

AD-779 864

RESISTANCE OF HARD-CHINE, STEPLESS
PLANING CRAFT WITH SYSTEMATIC VARIA-
TION OF HULL FORM, LONGITUDINAL
CENTER OF GRAVITY, AND LOADING

E. Nadine Hubble

Naval Ship Research and Development Center
Bethesda, Maryland

April 1974

DISTRIBUTED BY:

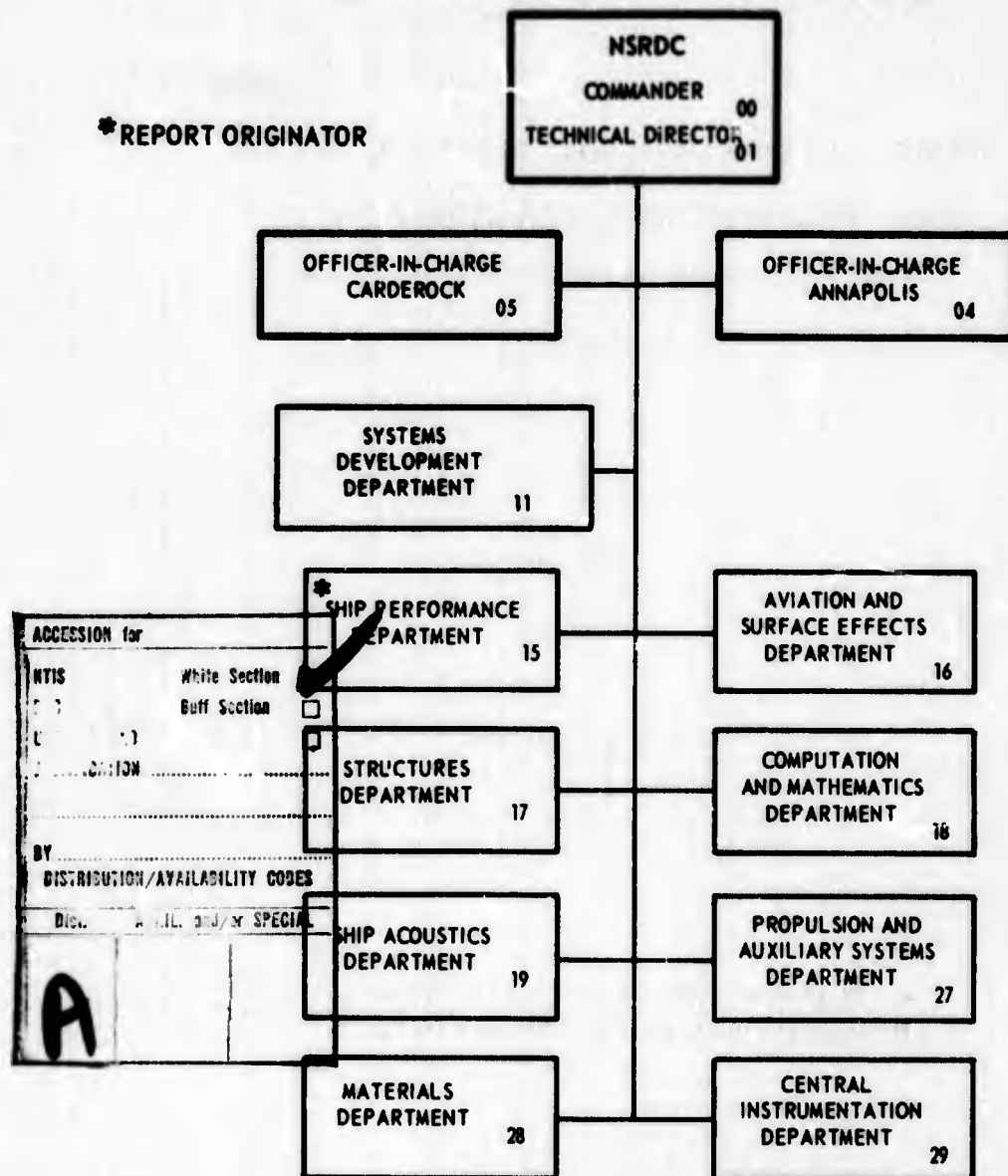
NTIS

National Technical Information Service
U. S. DEPARTMENT OF COMMERCE
5285 Port Royal Road, Springfield Va. 22151

The Naval Ship Research and Development Center is a U. S. Navy center for laboratory effort directed at achieving improved sea and air vehicles. It was formed in March 1967 by merging the David Taylor Model Basin at Carderock, Maryland with the Marine Engineering Laboratory at Annapolis, Maryland.

Naval Ship Research and Development Center
Bethesda, Md. 20034

MAJOR NSRDC ORGANIZATIONAL COMPONENTS



11

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 4307	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER AD-779864
4. TITLE (and Subtitle) RESISTANCE OF HARD-CHINE, STEPLESS PLANING CRAFT WITH SYSTEMATIC VARIATION OF HULL FORM, LONGITUDINAL CENTER OF GRAVITY, AND LOADING		5. TYPE OF REPORT & PERIOD COVERED
7. AUTHOR(s) E. Nadine Hubble		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Ship Research and Development Center Bethesda, Maryland 20034		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Naval Ship Engineering Center Norfolk Division		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS NAVSEC PO 4-0001 Work Unit 1560-007
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE April 1974
		13. NUMBER OF PAGES 350
		15. SECURITY CLASS. (of this report)
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) APPROVED FOR PUBLIC RELEASE: DISTRIBUTION UNLIMITED		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Resistance Planing craft Reproduced by NATIONAL TECHNICAL INFORMATION SERVICE U. S. Department of Commerce Springfield, VA 22151		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Smooth-water resistance and trimming characteristics are presented for 22 planing craft hulls representing systematic variations of chine planform, length-beam ratio, and deadrise angle. Resistance-weight ratios and trim angles have been derived from model experimental data at comparable speed and loading conditions as a function of the location of the longitudinal center of gravity in order to facilitate optimization in small craft design.		

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

TABLE OF CONTENTS

	Page
ABSTRACT	1
ADMINISTRATIVE INFORMATION	1
INTRODUCTION	1
SERIES 62	2
DL MODEL 62-A	2
SERIES 65	2
MODEL EXPERIMENTS	3
CRITERIA FOR COMPARISON	3
PRESENTATION OF DATA	4
SUMMARY	5
APPENDIX A – TABLES OF RESISTANCE DATA	13
APPENDIX B – GRAPHS OF RESISTANCE-WEIGHT RATIOS AND TRIM ANGLES	227

LIST OF FIGURES

1 – Lines and Body Plans of Series 65-A Hulls	7
2 – Lines and Body Plans of Series 65-B Hulls	8
3 – Lines and Body Plans of Series 62 Hulls and DL Model 62-A	9
4 – Form Characteristic Curves	10
5 – LCG and Trim Reference	11
 Table 1 – Hull Characteristics	 6

NOTATION

Standard Notation	Computer Printout	
A_p		Projected planing-bottom area* in square feet
B_p		Breadth over chines* in feet
B_{pA}		Mean breadth over chines* in feet
B_{pT}		Breadth over chines at transom* in feet
B_{pX}	BPX	Maximum breadth over chines* in feet
BL		Baseline of hull as drawn
C_A	DCF	Correlation allowance coefficient
CG		Center of gravity
F_{nV}	FN ∇	Volume Froude number $v/\sqrt{g\nabla}^{1/3}$
g		Acceleration due to gravity in feet per square second
L_c	LC	Projected wetted chine length, excluding spray, in feet
L_k	LK	Projected wetted keel length in feet
L_p	LP	Projected length of chine from transom to bow profile in feet
ICG	LCG	Longitudinal center of gravity in feet (see Figure 5)
	LIFT	Lift; sum of vertical components of hydrodynamic forces in pounds
L_p/B_{pX}	LP/BPX	Length-beam ratio
$L_p/\nabla^{1/3}$	LP/ $\nabla^{(1/3)}$	Slenderness ratio
R	RESISTANCE	Resistance; sum of horizontal components of hydrodynamic forces in pounds
S		Wetted area of hull in feet; includes area of sides wetted at low speeds and wetted bottom of spray strips but not area wetted by spray and the transom
$S/\nabla^{2/3}$	$S/\nabla^{(2/3)}$	Wetted area coefficient
v		Speed in feet per second

* External spray strips are not included.

Standard Notation	Computer Printout	
VCG		Vertical center of gravity in feet
W	WEIGHT	Weight of boat in pounds
$\bar{x}_p$		Distance of centroid of A_p forward of transom expressed as a ratio of L_p
β_T	DEADRISE	Deadrise angle at transom in degrees
β_{50}		Deadrise angle at 50 percent of L_p
τ	TRIM	Angle of attack of after portion of planing bottom; angle between trim reference line (see Figure 5) and water surface in degrees
ν		Kinematic viscosity of water in square feet per second
ρ		Mass density of water in slugs per cubic foot
Δ		Displacement at rest ($\rho g \nabla$) in pounds
∇		Volume of water displaced at rest in cubic feet

ABSTRACT

Smooth-water resistance and trimming characteristics are presented for 22 planing craft hulls representing systematic variations of chine planform, length-beam ratio, and deadrise angle. Resistance-weight ratios and trim angles have been derived from model experimental data at comparable speed and loading conditions as a function of the location of the longitudinal center of gravity in order to facilitate optimization in small craft design.

ADMINISTRATIVE INFORMATION

This project was authorized and funded by the Norfolk Division of the Naval Ship Engineering Center under Project Order 4-0001 and by the General Hydromechanics Research Program of the Naval Ship Research and Development Center (NSRDC). Preparation of this report was done under Work Unit 1560-007.

INTRODUCTION

The resistance and trimming characteristics of two systematic series of hard-chine, step-less, planing hull forms have been investigated at the Center over the past 15 years. The first of these was Series 62 which consists of 5 hulls. The most recent series consisting of 16 hulls is Series 65.

The results of still-water resistance experiments conducted at the Center with models of the Series 62 and 65 hulls have already been reported.^{1,2} The experimental data, however, provide no means for direct comparison between hull forms since different loading criteria and testing techniques were utilized for each series. The objective of this report is to present the resistance and trimming characteristics of Series 62 and Series 65 on a comparable basis. The data are presented in tabular and graphical form for reference by the small boat designer and as a repository from which the effects of various changes in hull geometry and loading may be deduced.

¹Clement, E.P. and D.L. Blount, "Resistance Tests of a Systematic Series of Planing Hull Forms," Transactions of the Society of Naval Architects and Marine Engineers, Vol. 71 (1963).

²Holling, H.D. and E.N. Hubble, "Model Resistance Data of Series 65 Hull Forms, Applicable to Hydrofoils and Planing Craft," NSRDC Report 4121 (in preparation).

SERIES 62

The Series 62 parent form was designed at the Center and proved to have low resistance characteristics when compared to conventional stepless planing hulls which had previously been investigated. The length-beam ratios L_p/B_{PX} of the five hulls vary from 2 to 7. All have a constant deadrise of 12.5 degrees in the stern and identical body plans except for minor afterbody variations in the 2.0 and 3.06 length-beam ratio hulls. The transom width of the parent is 64 percent of the maximum chine width.

DL MODEL 62-A

A modification to the Series 62 form with $L_p/B_{PX} = 3.06$ has also been investigated. A finer bow and a broader transom—98 percent of the maximum chine width—were achieved by terminating the original lines of Series 62 Model 4666 at 50 percent of its length and doubling the station spacing. This extension of the Series 62 investigation was performed by Davidson Laboratory, Stevens Institute of Technology, under ONR Contract N00014-67-A-0202-0014. The resistance data for this hull have not previously been published.

SERIES 65

Series 65 was originated as part of a hydrofoil craft research program, and the hull forms are also applicable as planing craft. This series consists of two basic hull forms; one is suitable for airplane-type foil systems, and the other for canard-type foil systems. These will be referred to in this report as Series 65-A and Series 65-B, respectively. The lines of the AG(EH) hydrofoil craft was selected as the parent form for Series 65-A. This configuration has a transom width about 35 percent of the maximum chine width. The parent for Series 65-B was derived by terminating the AG(EH) lines at 50 percent of its length and increasing the station spacing by a factor of $\sqrt{2}$. The transom width of Series 65-B is about 99 percent of the maximum chine width. Both Series 65-A and 65-B incorporate three variations in deadrise angle—16.3, 22.5, and 30.4 degrees at maximum chine beam location. The deadrise of these hulls is not constant in the stern. There are two or three length-beam ratio variations for each deadrise configuration in each series.

Models of the 22 hull forms compared in this report were constructed of various materials—wood, fiberglass, or polyurethane foam. All models were fitted with spray strips at the chine to promote water separation from the hull. Except for DL Model 62-A and Series 62 Model 4665 with approximate lengths of 3 and 4 feet, respectively, the length of the models ranged from 6 to 9 feet. Detailed model particulars are presented in Table 1 and in Figures 1–4.

MODEL EXPERIMENTS

The resistance data for all hull forms were not obtained by the same experimental procedure nor at the same towing tank. The Series 62 resistance experiments were conducted at the Carderock facility of the Center with the models free to trim and towed in an arbitrary shaft line. Davidson Laboratory used the free-to-trim method at their towing tank to obtain the resistance of DL Model 62-A, but the hull was towed horizontally through the center of gravity. The Series 65-A and 65-B experiments were performed at the Langley Field facility of the Center utilizing a captive model technique with the models allowed freedom only to heave. These three types of experimental techniques are discussed by Hubble.³

CRITERIA FOR COMPARISON

Since the initial resistance data represent not only a variety of experimental techniques but also various speeds and loading conditions, it was necessary to establish a basis for comparison of the hull forms. The Series 62 and 65 data were therefore converted to the format of a free-to-trim hull towed horizontally through the center of gravity. This seemed preferable for general usage to the "towed-in-shaftline" form since it eliminates the consideration of shaft angle and results in the hydrodynamic lift being equal to the boat weight. The procedure for conversion of the data utilizing the equations of equilibrium has been well documented.³

The resistance and trimming characteristics of any planing hull form is essentially a function of speed v , load (or displacement volume ∇), and longitudinal center of gravity LCG. The resistance, of course, is also proportional to the absolute size of the hull which can be related to one primary dimension such as length L_p . Consequently, it is desirable to

³Hubble, E.N., "Correlation of Resistance Test Results from Fixed and Free-to-Trim Methods for a Dynamic Lift Craft (Model 4667)," NSRDC Report 3544 (Apr 1972).

establish nondimensional coefficients based on these parameters by which various hull forms may be compared. The following coefficients have been selected as the most useful for preliminary design purposes:

$$\text{Volume Froude number } F_{n\varnothing} = v/\sqrt{g\varnothing^{1/3}}$$

$$\text{Slenderness ratio } L_p/\varnothing^{1/3}$$

$$\text{LCG}/L_p$$

Data for each hull were interpolated* at selected values of these coefficients.

PRESENTATION OF DATA

Comparative data for Series 62, DL Model 62-A, Series 65-A, and Series 65-B are tabulated in Appendix A and presented in graphical form in Appendix B as a function of LCG/L_p for constant $F_{n\varnothing}$ and $L_p/\varnothing^{1/3}$ values. Selected values of $F_{n\varnothing}$ are 1.0, 1.25, 1.5, 1.75, 2.0, 2.5, 3.0, 3.5, and 4.0. Series 62 data are tabulated at $F_{n\varnothing}$ values of 4.5, 5.0, 5.5, and 6.0 but are not plotted since comparable data were not obtained with the Series 65 forms and these speeds are above normal operating conditions. Values of $L_p/\varnothing^{1/3}$ range from 4.0 to 10.0 in increments of 0.5. Data for all models, however, were not available for this entire span of $L_p/\varnothing^{1/3}$ because the loading conditions of the original experiments were based on different criteria. The LCG span is approximately 30 to 50 percent of L_p , measured from the transom (see Figure 5). It was not deemed necessary to interpolate the data for all hulls at the same LCG/L_p values. Resistance-weight ratio and trim are plotted as a function of LCG/L_p so that the optimum LCG position can be readily ascertained. Series 62 and DL Model 62-A data are presented at their respective experimental LCG conditions—five for each hull. Data for each Series 65 form are given at six LCG conditions selected to span the optimum location. The LCG of Series 65-A and 65-B were displaced by 2 percent of L_p to make the graphs easier to read.

The trim angles τ presented in the appendixes are the angle of attack of the after portion of the planing surfaces. Since the afterbody deadrise angles are not constant, the keel profile at the stern was selected as the trim angle reference (see Figure 5). For Series 62, DL Model 62-A, and Series 65-B, the hulls are at zero trim when the baseline is parallel to the waterline. This is not true for Series 65-A, however, due to the rise of the stern portion above the baseline.

*Third-degree Lagrange interpolation was used in all cases. Extrapolation was allowed only within a 2-percent band outside the original data.

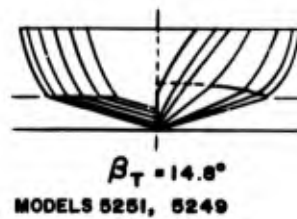
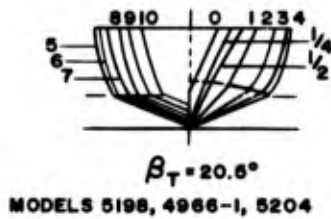
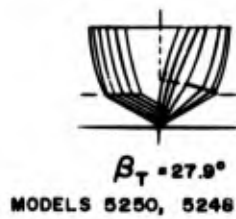
Model resistance has been expanded to ship scale by using the Schoenherr friction line. The effective length used for Reynolds number was the mean of the wetted keel and wetted chine lengths. The data in Appendix A are presented as resistance-weight R/W (or resistance-lift) ratios for boats of 1000, 10000, 100000, and 1000000-pound weights in seawater at 59 F. Correlation allowances C_A of 0.0 and 0.0004 were used. The purpose of this array of eight R/W values for each condition is to facilitate interpolation for any desired boat weight and C_A . Wetted lengths and wetted areas are also provided in nondimensional form in case a more accurate projection is required. The resistance-weight ratios plotted in Appendix B are for a 100000-pound boat with a C_A of 0.

SUMMARY

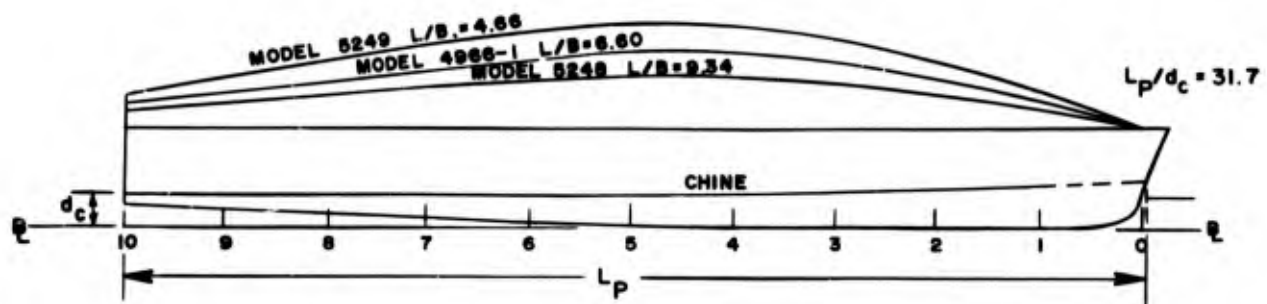
The purpose of this report is to provide a systematic compilation of the Series 62 and Series 65 resistance data in the form of a working document for the designer of planing craft. No attempt is made to analyze these data for the influence on performance of such parameters as hull geometry, hull loading, or distribution of hull loading. It is intended that such analyses will be the subject of future publication(s) with this report as the foundation.

TABLE 1 - HULL CHARACTERISTICS

Model	L_p ft	A_p ft ²	B_{PA} ft	B_{PT} ft	B_{PX} ft	$\frac{L_p}{B_{PA}}$	$\frac{L_p}{B_{PX}}$	$\frac{B_{PX}}{B_{PA}}$	$\frac{B_{PT}}{B_{PX}}$	$\bar{x}_p$ ft	β_{III} deg	β_T deg
Series 65-A	5251	8.19	1.341	0.648	1.852	4.55	3.30	1.38	0.35	0.496	16.0	14.8
	5249	11.58	1.341	0.648	1.852	6.44	4.66	1.38	0.35	0.496	16.0	14.8
	5198	8.28	1.134	0.548	1.566	6.44	4.66	1.38	0.35	0.496	22.1	20.5
	4966-1	8.19	0.949	0.458	1.309	9.10	6.50	1.38	0.35	0.496	22.1	20.5
	5204	5.79	0.671	0.324	0.925	12.87	9.34	1.38	0.35	0.496	22.1	20.5
	5250	8.19	0.949	0.458	1.309	9.10	6.60	1.38	0.35	0.496	29.9	27.9
	5248	5.79	0.671	0.324	0.925	12.87	9.34	1.38	0.35	0.496	29.9	27.9
	5237	11.85	1.929	2.600	2.618	3.18	2.35	1.36	0.99	0.397	21.2	16.3
Series 65-B	5240	8.38	1.364	1.838	1.852	4.50	3.32	1.36	0.99	0.397	21.2	16.3
	5239	11.85	1.364	1.838	1.852	6.36	4.69	1.36	0.99	0.397	21.2	16.3
	5186	8.38	1.364	1.838	1.852	4.50	3.32	1.36	0.99	0.397	26.7	22.5
	5194	5.92	0.965	1.300	1.309	6.36	4.69	1.36	0.99	0.397	28.7	22.5
	5167	8.38	0.965	1.300	1.309	9.00	6.64	1.36	0.99	0.397	28.7	22.5
	5236	5.92	0.965	1.300	1.309	6.36	4.69	1.36	0.99	0.397	37.4	30.4
	5208	8.38	0.965	1.300	1.309	9.00	6.64	1.36	0.99	0.397	37.4	30.4
	5238	5.92	0.682	0.919	0.925	12.73	9.38	1.36	0.99	0.397	37.4	30.4
Series 62	4665	6.47	1.654	1.565	1.956	2.36	2.00	1.18	0.80	0.475	13.0	12.5
	4666	9.72	1.623	1.386	1.956	3.69	3.06	1.21	0.71	0.482	13.0	12.5
	4667-1	12.80	1.600	1.250	1.956	5.00	4.09	1.22	0.64	0.488	13.0	12.5
	4668	9.52	1.190	0.934	1.455	6.72	5.50	1.22	0.64	0.488	13.0	12.5
	4669	7.48	0.935	0.734	1.143	8.56	7.00	1.22	0.64	0.488	13.0	12.5
DL 62-A	2.994	2.38	0.795	0.958	0.978	3.77	3.06	1.23	0.98	0.424	20.0	13.0



MODEL 5204: $L_P/B_{PX} = 9.34$, $L_P/d_c = 45.0$



Note: $L/B = L_P/B_{PX}$

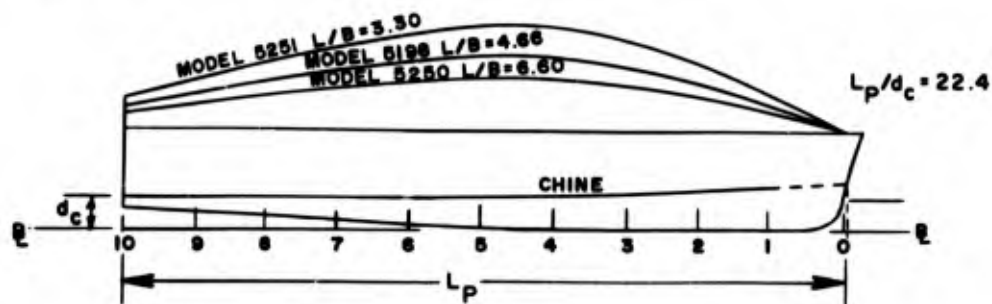


Figure 1 – Lines and Body Plans of Series 65-A Hulls

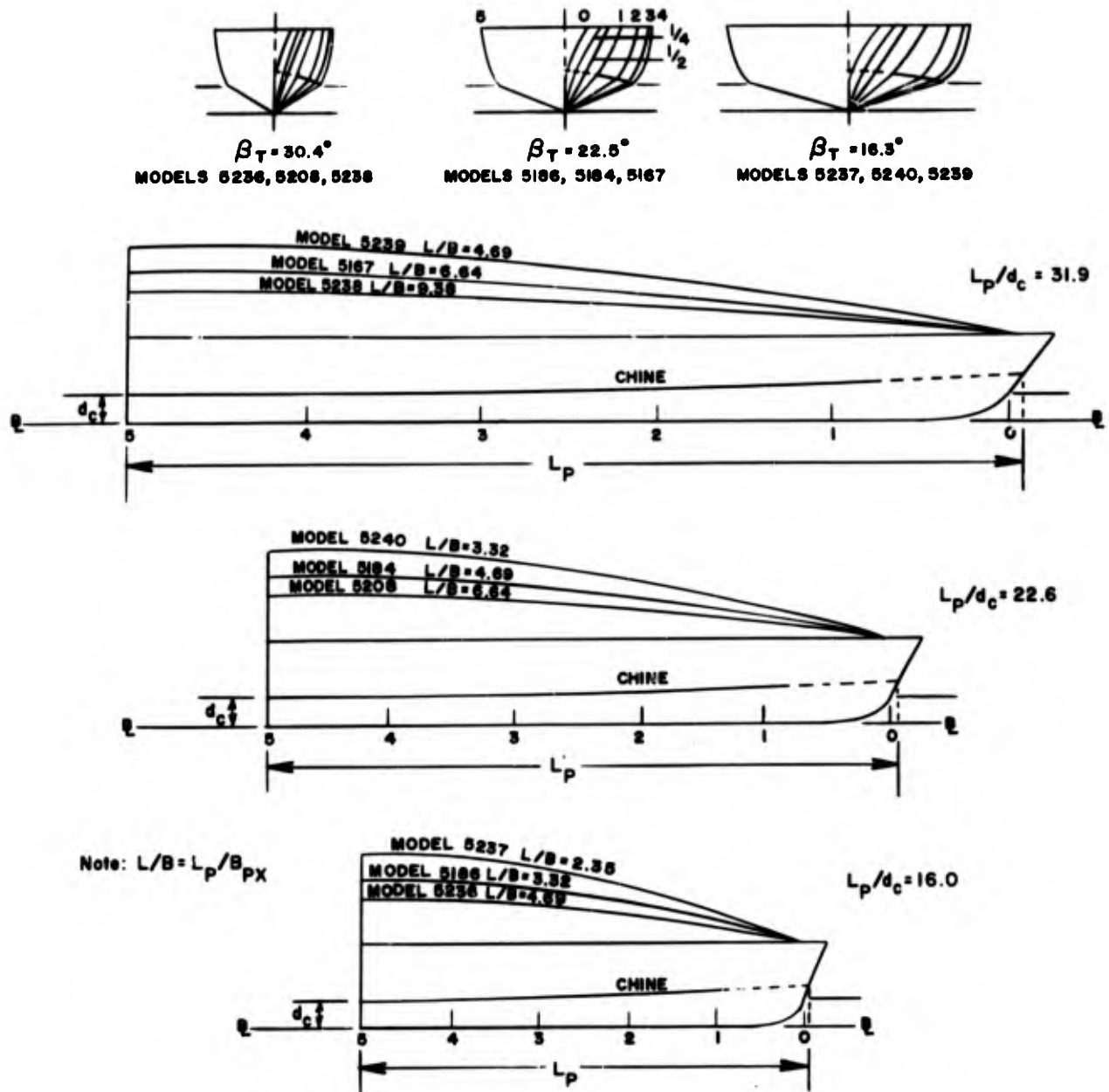


Figure 2 – Lines and Body Plans of Series 65-B Hulls

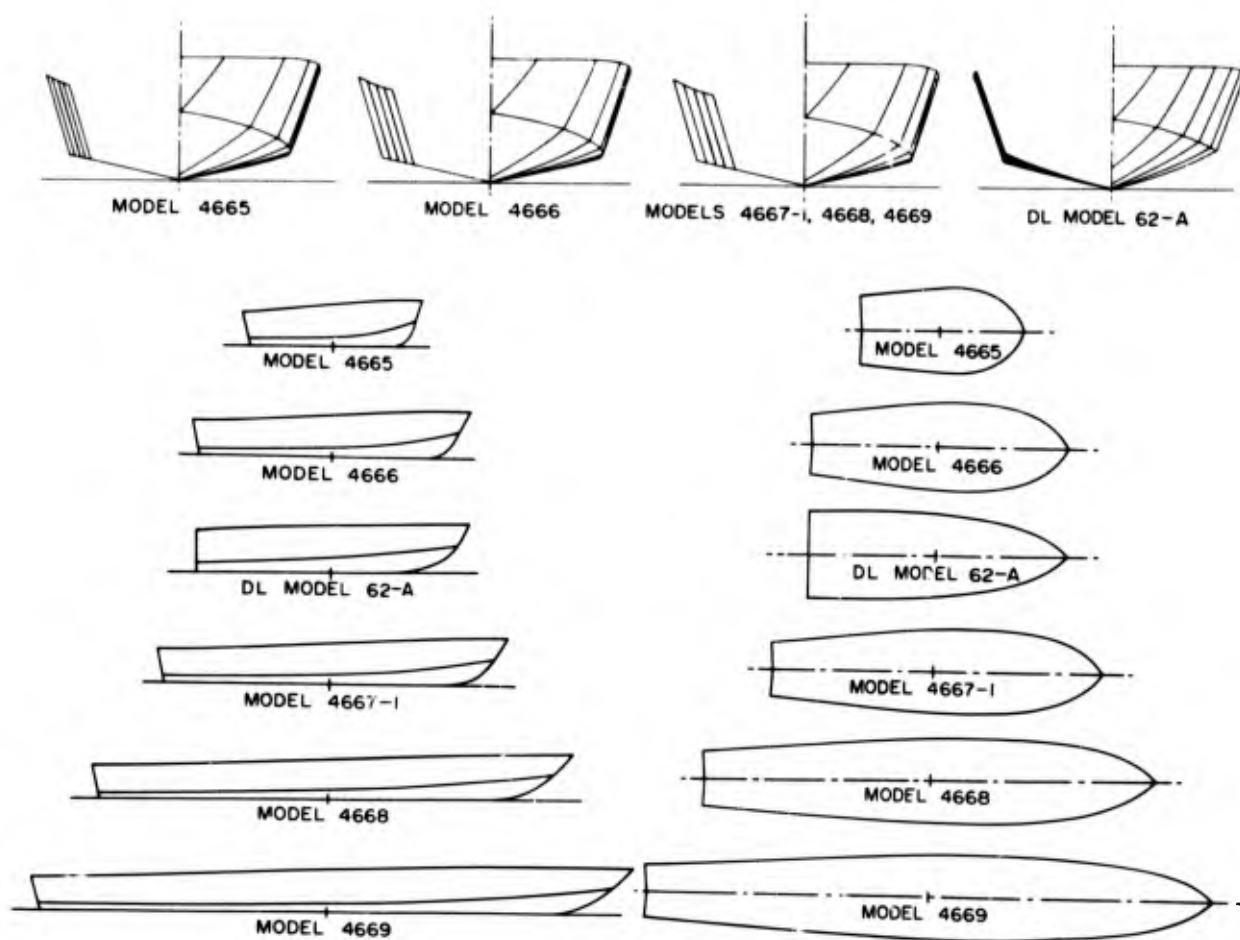


Figure 3 – Lines and Body Plans of Series 62 Hulls and DL Model 62-A

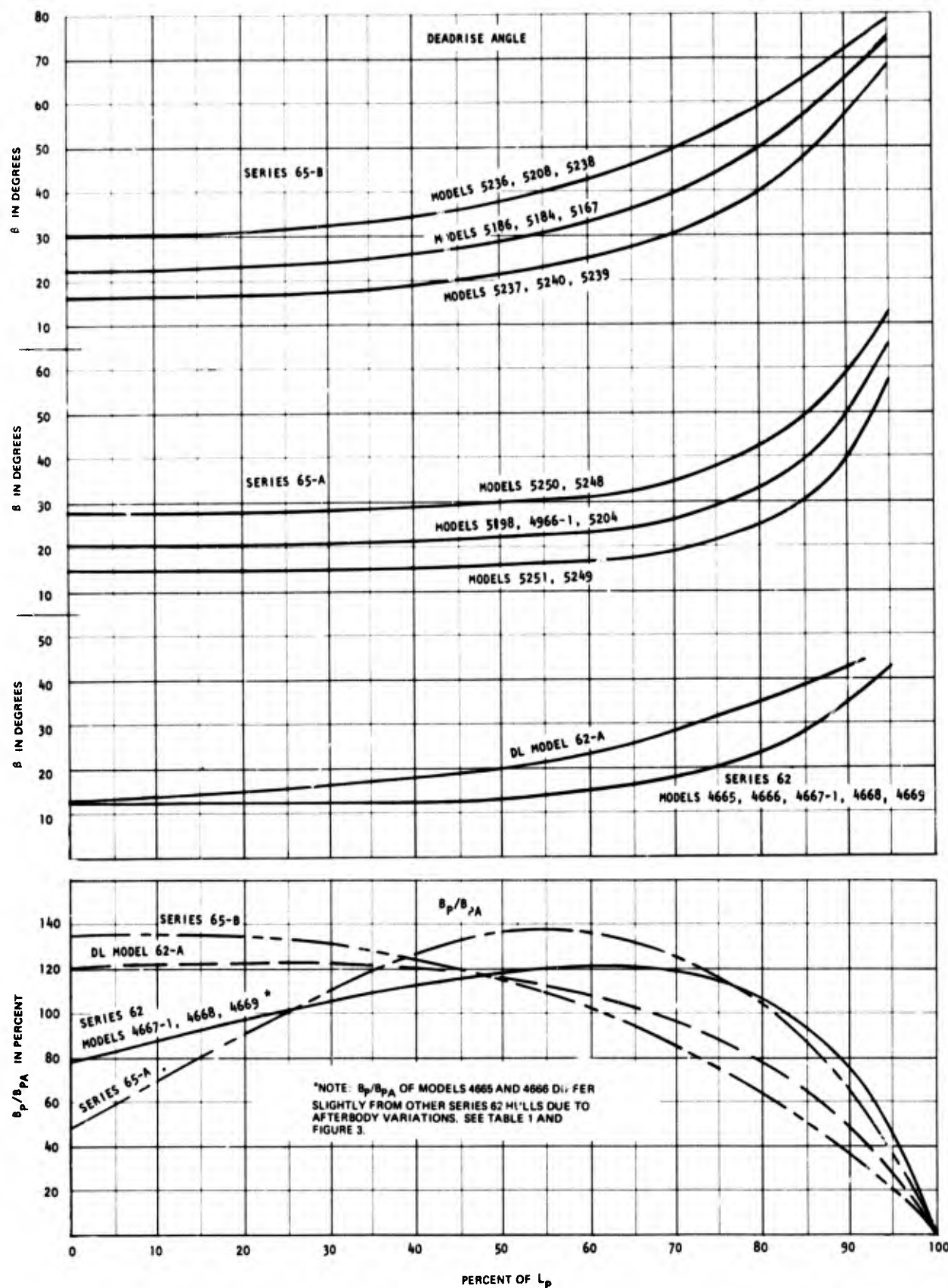


Figure 4 – Form Characteristic Curves

Angle Between
Trim Reference Line
And Baseline

Models

5251, 5198, 5250

3.53 Deg

5249, 4966-1, 5248

2.50 Deg

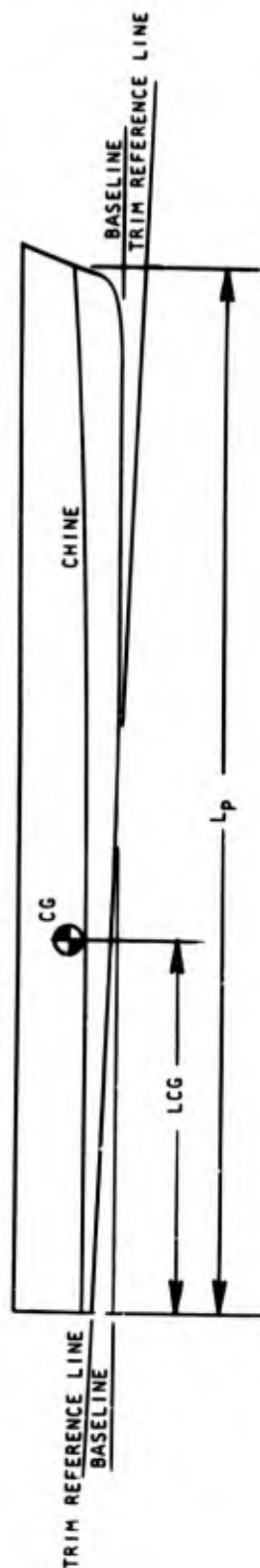
5204

1.77 Deg

All Others

0 Deg

SERIES 65-A



SERIES 65-B, SERIES 62, DL MODEL 62-A

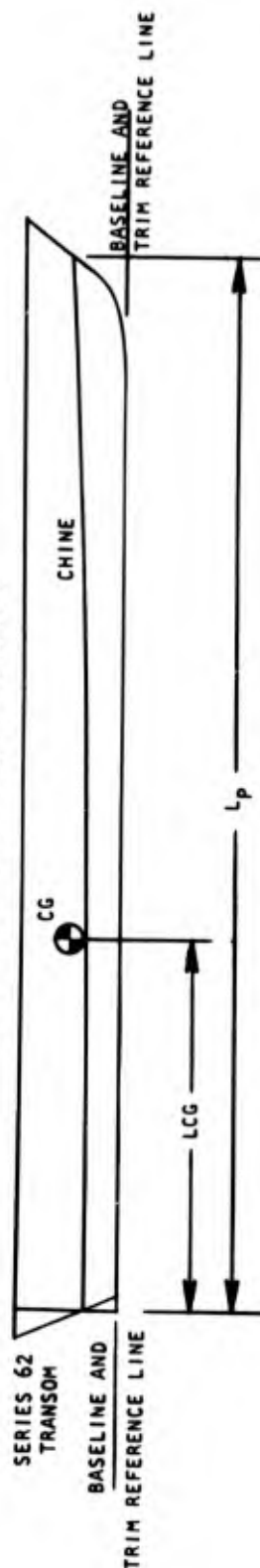


Figure 5 - LCG and Trim Reference
(Sketches are intended only to indicate reference lines. Profiles of Series 65-B
and Series 62 are not identical.)

APPENDIX A **TABLES OF RESISTANCE DATA**

Resistance predictions are for boats operating in seawater at a temperature of 59 F.

$$\rho = 1.9905 \text{ lb} \times \text{sec}^2/\text{ft}^4$$

$$\nu = 1.2817 \times 10^{-5} \text{ ft}^2/\text{sec}$$

$$g = 32.174 \text{ ft/sec}^2$$

Predictions are for boats towed horizontally through the center of gravity. Therefore, resistance/lift = resistance/weight.

Trim is angle of attack of after portion of planing bottom; see Figure 5.

Absolute speeds associated with $F_n \nabla$ for various boat weights are tabulated below.

$F_n \nabla$	Ship Speed in Knots			
	$W=\Delta=1000 \text{ lb}$	$W=\Delta=10000 \text{ lb}$	$W=\Delta=100000 \text{ lb}$	$W=\Delta=1000000 \text{ lb}$
1.0	5.31	7.80	11.45	16.80
1.25	6.64	9.75	14.31	21.00
1.5	7.97	11.70	17.17	25.20
1.75	9.30	13.64	20.03	29.40
2.0	10.63	15.60	22.89	33.60
2.5	13.28	19.50	28.62	42.00
3.0	15.94	23.40	34.34	50.41
3.5	18.60	27.30	40.06	58.81
4.0	21.25	31.19	45.79	67.21
4.5	23.91	35.09	51.51	75.61
5.0	26.57	38.99	57.23	84.01
5.5	29.22	42.89	62.96	92.41
6.0	31.88	46.79	68.68	100.81

RESISTANCE DATA SERIES 65-A MODEL 5251

LP/BPX = 3.39

DEADRISE ANGLE = 14.0 DEG

FNU = 1.00

WRIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	4.28	.056	.788	6.47	.0810	.0794	.0781	.0771	.0823	.0807	.0794	.0784
.400	1.72	.970	.799	7.06	.0869	.0849	.0833	.0821	.0884	.0865	.0849	.0837
.440	-.03	.990	.694	7.67	.0937	.0917	.0902	.0890	.0952	.0932	.0917	.0905
.480	-2.03	1.000	.515	8.36	.0964	.0947	.0930	.0916	.0985	.0963	.0947	.0933
.520	-3.64	1.000	.632	7.09	.0833	.0815	.0801	.0790	.0867	.0849	.0834	.0824

LP/V(1/3) = 6.0					LP (FT) = 15.1 32.3 69.6 130.0				15.0 32.3 69.6 130.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	2.47	.905	.602	8.01	.0590	.0569	.0554	.0541	.0605	.0585	.0570	.0557
.400	.80	.979	.667	8.72	.0674	.0652	.0635	.0621	.0691	.0669	.0652	.0639
.440	-.53	.945	.477	7.64	.0647	.0627	.0612	.0600	.0662	.0643	.0627	.0615
.480	-2.03	.993	.491	8.67	.0661	.0639	.0622	.0608	.0679	.0656	.0639	.0625
.520	-3.53	1.000	.474	9.29	.0554	.0537	.0521	.0508	.0575	.0554	.0537	.0524

LP/V(1/3) = 6.5					LP (FT) = 16.2 34.0 75.4 162.5				16.2 34.0 75.4 162.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.97	.769	.554	7.35	.0773	.0754	.0739	.0728	.0788	.0769	.0754	.0743
.360	1.27	.934	.573	9.37	.0824	.0801	.0782	.0768	.0843	.0819	.0801	.0787
.400	.12	.974	.490	9.02	.0379	.0348	.0330	.0316	.0389	.0364	.0348	.0334
.440	-1.05	.996	.414	8.84	.0357	.0335	.0317	.0307	.0375	.0352	.0335	.0321
.480	-2.24	.991	.461	9.57	.0384	.0360	.0341	.0326	.0407	.0379	.0360	.0345
.520	-3.53	1.000	.500	9.26	.0476	.0453	.0435	.0421	.0495	.0471	.0453	.0439

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.86	.849	.470	9.18	.0424	.0400	.0382	.0368	.0442	.0419	.0401	.0386
.360	.74	.925	.462	10.21	.0351	.0325	.0305	.0289	.0371	.0345	.0325	.0310
.400	-.35	.975	.365	9.57	.0316	.0292	.0273	.0258	.0335	.0311	.0292	.0277
.440	-1.34	.989	.363	9.81	.0308	.0284	.0264	.0249	.0324	.0300	.0284	.0269
.480	-2.31	.988	.398	10.30	.0330	.0304	.0284	.0268	.0351	.0325	.0305	.0289
.520	-3.30	.999	.407	10.14	.0357	.0347	.0340	.0332	.0413	.0388	.0368	.0352

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.83	.879	.396	11.20	.0345	.0316	.0295	.0277	.0367	.0339	.0317	.0300
.360	.29	.923	.353	10.77	.0310	.0291	.0270	.0253	.0340	.0312	.0291	.0275
.400	-.66	.978	.297	10.14	.0249	.0264	.0244	.0228	.0310	.0284	.0264	.0249
.440	-1.53	.997	.305	10.46	.0274	.0247	.0227	.0211	.0295	.0268	.0249	.0232
.480	-2.76	.986	.294	10.77	.0285	.0258	.0237	.0220	.0308	.0279	.0258	.0241
.520	-3.20	.993	.217	10.71	.0333	.0306	.0285	.0268	.0355	.0327	.0306	.0289

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.07	.870	.341	11.49	.0349	.0319	.0297	.0279	.0371	.0342	.0319	.0302
.360	-.05	.925	.246	11.13	.0299	.0270	.0248	.0231	.0320	.0292	.0271	.0253
.400	-.87	.973	.257	10.87	.0265	.0234	.0217	.0200	.0287	.0260	.0239	.0222
.440	-1.64	.993	.249	11.13	.0244	.0216	.0194	.0177	.0266	.0238	.0217	.0200
.480	-2.37	.985	.203	11.32	.0247	.0219	.0197	.0179	.0270	.0241	.0219	.0202
.520	-3.10	.999	.087	11.24	.0284	.0255	.0233	.0215	.0307	.0279	.0255	.0238

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.9 98.6 212.5				21.2 45.9 98.6 212.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.53	.842	.281	11.82	.0327	.0297	.0274	.0256	.0341	.0312	.0289	.0279
.360	-.28	.923	.243	11.58	.0283	.0254	.0232	.0214	.0306	.0277	.0255	.0237
.400	-1.00	.964	.220	11.60	.0246	.0217	.0195	.0177	.0269	.0240	.0218	.0200
.440	-1.69	.979	.192	11.80	.0221	.0192	.0169	.0151	.0245	.0215	.0192	.0174
.480	-2.35	.985	.131	11.89	.0220	.0190	.0166	.0148	.0243	.0213	.0190	.0172
.520	-3.01	.988	.020	11.74	.0249	.0218	.0195	.0176	.0272	.0242	.0218	.0200

RESISTANCE DATA					SERIES 64-A				MODEL 4241			
LP/HPV = 1.10					DEPARTURE ANGLE = 14.8 DEG				FNR = 1.25			
WRIGHT = LIFT (LR, CRAMATEP) = 1700 10000 100000 1000000 1700 10000 100000 1000000												
LP/V(1/3) = 5.4												
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7					24.6				137.5			
LP (FT) = 13.7												

RESISTANCE DATA					SPEED 64.4		WIND 42.41					
LP/SPR = 7.57					HEADWIRE ANGLE = 14.4 DEG					FWD = 1.50		
WEIGHT = LIFT (LH, SEAWAY) = 1000 10000 100000 1000000 10000000 100000000 1000000000 10000000000 100000000000												
LP/W(1/3) = 4.5					LP (FT) = 15.7		75.6		64.4		137.5	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.442	3.17	.918	.714	6.98	.1164	.1187	.1179	.1087	.1174	.1174	.1110	.1087
.472	1.30	.978	.803	7.27	.1064	.1127	.1098	.1074	.1097	.1097	.1120	.1087
.522	-.53	.988	.941	7.06	.1164	.1184	.1173	.1049	.1179	.1162	.1109	.1094
LP/W(1/3) = 4.0					LP (FT) = 14.0		72.9		64.6		150.0	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.402	3.97	.989	.734	6.71	.1294	.1373	.1145	.1124	.1234	.1201	.1178	.1154
.442	1.86	.978	.803	6.17	.1064	.1127	.1081	.1049	.1099	.1097	.1120	.1098
.480	.44	.983	.787	6.17	.1064	.1127	.1081	.1049	.1099	.1097	.1120	.1098
.522	-.46	.988	.722	6.72	.1011	.1050	.1036	.1014	.1147	.1120	.1074	.1067
LP/W(1/3) = 3.5					LP (FT) = 12.7		74.0		74.4		162.5	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.400	2.67	.988	.599	6.75	.1341	.1429	.1056	.1044	.1001	.1057	.1029	.1006
.440	.97	.987	.674	6.44	.1074	.1129	.1090	.1066	.1001	.1057	.1029	.1006
.480	-.17	.990	.674	6.73	.1072	.1127	.1081	.1053	.1001	.1057	.1029	.1006
.520	-1.35	.988	.644	6.99	.1003	.1051	.1010	.1076	.1049	.1044	.1014	.1023
LP/W(1/3) = 3.0					LP (FT) = 17.5		37.7		91.2		175.0	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.360	3.45	.979	.596	7.60	.1815	.1875	.1044	.1019	.1049	.1019	.1097	.1087
.400	1.20	.980	.688	7.13	.1074	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.440	.37	.980	.688	7.13	.1074	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.480	-.78	.985	.690	7.06	.1072	.1127	.1081	.1053	.1001	.1019	.1097	.1087
.520	-1.87	.988	.665	7.29	.1014	.1060	.1010	.1076	.1049	.1044	.1014	.1023
LP/W(1/3) = 2.5					LP (FT) = 14.7		64.6		47.8		187.5	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.360	1.85	.987	.599	10.21	.1821	.1871	.1030	.1017	.1001	.1019	.1097	.1087
.400	.97	.982	.683	11.14	.1074	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.440	-.78	.985	.673	11.14	.1074	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.480	-1.32	.986	.681	10.81	.1041	.1089	.1052	.1037	.1001	.1019	.1097	.1087
.520	-1.87	.987	.680	9.72	.1077	.1129	.1061	.1042	.1001	.1019	.1097	.1087
LP/W(1/3) = 2.0					LP (FT) = 20.0		63.1		92.8		288.0	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.320	3.22	.989	.596	10.18	.1815	.1875	.1044	.1019	.1001	.1019	.1097	.1087
.360	1.20	.976	.624	11.08	.1074	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.400	.79	.987	.671	12.26	.1077	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.440	-.53	.986	.684	11.31	.1044	.1090	.1065	.1040	.1001	.1019	.1097	.1087
.480	-1.33	.982	.671	9.76	.1070	.1129	.1061	.1042	.1001	.1019	.1097	.1087
.520	-2.87	.986	.641	9.47	.1070	.1129	.1061	.1042	.1001	.1019	.1097	.1087
LP/W(1/3) = 1.5					LP (FT) = 21.2		64.0		94.6		212.5	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.320	1.90	.733	.393	10.49	.1490	.1624	.1074	.1044	.1001	.1019	.1097	.1087
.360	.97	.818	.334	12.49	.1064	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.400	-.93	.987	.644	12.24	.1070	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.440	-.96	.986	.644	12.24	.1070	.1129	.1062	.1042	.1001	.1019	.1097	.1087
.480	-1.47	.978	.676	9.66	.1041	.1087	.1042	.1042	.1001	.1019	.1097	.1087
.520	-2.83	.994	.621	8.95	.1069	.1129	.1062	.1042	.1001	.1019	.1097	.1087
LP/W(1/3) = 1.0					LP (FT) = 27.4		64.4		104.4		225.0	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.320	1.15	.767	.201	12.10	.1041	.1074	.1020	.1000	.1001	.1019	.1097	.1087
.360	.35	.814	.233	12.43	.1044	.1090	.1040	.1030	.1001	.1019	.1097	.1087
.400	-.36	.914	.181	17.09	.1015	.1043	.1004	.1004	.1001	.1019	.1097	.1087
.440	-1.03	.956	.138	11.19	.1010	.1042	.1004	.1004	.1001	.1019	.1097	.1087
.480	-1.59	.974	.120	10.45	.1010	.1042	.1004	.1004	.1001	.1019	.1097	.1087
.520	-2.83	.991	.121	10.10	.1047	.1094	.1045	.1047	.1001	.1019	.1097	.1087
LP/W(1/3) = 0.5					LP (FT) = 27.4		64.4		114.2		237.4	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.320	.82	.764	.201	11.48	.1015	.1056	.1007	.1004	.1001	.1019	.1097	.1087
.360	.25	.838	.188	11.06	.1015	.1063	.1014	.1014	.1001	.1019	.1097	.1087
.400	-.57	.912	.123	12.73	.1041	.1074	.1024	.1004	.1001	.1019	.1097	.1087
.440	-1.15	.950	.121	11.09	.1042	.1074	.1024	.1004	.1001	.1019	.1097	.1087
.480	-1.61	.979	.135	11.41	.1047	.1074	.1024	.1004	.1001	.1019	.1097	.1087
.520	-2.83	.982	.140	11.74	.1036	.1074	.1024	.1004	.1001	.1019	.1097	.1087
LP/W(1/3) = 0.0					LP (FT) = 25.4		57.4		115.0		240.0	
LCG		TRIM		S	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR CCF=0.0004			
LP	(DEG)	LK	LC		W(2/3)							
.320	.07	.739	.167	17.10	.1044	.1090	.1044	.1044	.1001	.1019	.1097	.1087
.360	-.07	.879	.124	11.76	.1041	.1104	.1044	.1044	.1001	.1019	.1097	.1087
.400	-.73	.911	.137	12.90	.1041	.1104	.1044	.1044	.1001	.1019	.1097	.1087
.440	-1.24	.945	.154	13.74	.1045	.1104	.1044	.1044	.1001	.1019	.1097	.1087
.480	-1.65	.967	.172	13.87	.1043	.1104	.1044	.1044	.1001	.1019	.1097	.1087
.520	-2.01	.981	.174	12.44	.1047	.1104	.1044	.1044	.1001	.1019	.1097	.1087

LP/WT = 1.30

DECAUSE ANGLE = 14.0 DEG

PND = 1.74

HEIGHT = LIFT (LH, SEANAT) = 1000 1000 10000 100000 1000 10000 10000 100000

LP/WT(1/3) = 4.5 LP (FT) = 13.7 29.6 67.8 137.5 13.7 29.6 67.8 137.5

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.401	1.41	.442	.736	7.77	.1212	.1167
.520	-.53	.490	.940	4.00	.1335	.1281

LP/WT(1/3) = 6.0 LP (FT) = 15.0 32.7 69.6 150.0 15.0 32.7 69.6 150.0

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.440	2.00	.461	.649	8.96	.1169	.1121
.440	-.07	.460	.727	4.21	.1064	.1009
.520	-.53	.489	.852	7.07	.1170	.1114

LP/WT(1/3) = 6.5 LP (FT) = 16.2 35.8 75.6 162.5 16.2 35.8 75.6 162.5

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.400	3.49	.444	.632	8.68	.1200	.1161
.440	1.50	.447	.687	8.98	.1198	.1161
.440	-.26	.446	.714	4.16	.1046	.0984
.520	-.63	.483	.783	4.60	.1068	.1013

LP/WT(1/3) = 7.0 LP (FT) = 17.4 37.7 81.2 175.0 17.4 37.7 81.2 175.0

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.400	1.76	.437	.591	8.46	.1067	.1006
.440	-.07	.436	.590	9.76	.1065	.1006
.440	-.20	.435	.700	10.30	.1067	.1006
.520	-1.10	.460	.866	11.00	.1067	.1006

LP/WT(1/3) = 7.5 LP (FT) = 18.7 40.4 87.8 187.5 18.7 40.4 87.8 187.5

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.360	2.47	.434	.605	8.92	.1031	.0972
.400	1.00	.430	.513	10.14	.1050	.0972
.440	-.25	.430	.586	11.19	.1046	.0972
.440	-.72	.429	.587	11.51	.1047	.0972
.520	-1.66	.487	.730	10.14	.1049	.0972

LP/WT(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.320	3.47	.412	.450	7.36	.1124	.1076
.360	1.33	.407	.443	10.30	.1046	.1006
.400	-.76	.401	.459	11.13	.1027	.0980
.440	-.25	.400	.479	12.65	.1022	.0976
.440	-1.07	.407	.565	11.00	.1021	.0976
.520	-1.62	.495	.740	9.85	.1023	.0976

LP/WT(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.320	2.47	.401	.449	9.23	.1076	.1023
.360	1.00	.396	.396	11.11	.1040	.0980
.400	-.29	.397	.467	12.76	.1022	.0976
.440	-.43	.397	.476	12.79	.1014	.0963
.440	-1.70	.407	.726	10.91	.1011	.0976
.520	-1.73	.492	.863	8.81	.1012	.0976

LP/WT(1/3) = 9.0 LP (FT) = 22.5 48.5 106.4 225.0 22.5 48.5 106.4 225.0

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.320	1.42	.407	.353	10.40	.1077	.1040
.360	.47	.406	.316	11.64	.1053	.1012
.400	-.06	.405	.246	12.78	.1046	.1019
.440	-.77	.406	.177	12.25	.1045	.1010
.440	-1.31	.405	.127	10.69	.1022	.0980
.520	-1.79	.490	.807	9.59	.1005	.0960

LP/WT(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.320	1.00	.400	.293	10.80	.1049	.1015
.360	.49	.400	.217	11.99	.1049	.1015
.400	-.30	.400	.136	12.79	.1049	.1015
.440	-.90	.400	.086	12.35	.1046	.1010
.440	-1.79	.402	.064	11.62	.1046	.1010
.520	-1.83	.477	.074	11.25	.1026	.0980

LP/WT(1/3) = 10.0 LP (FT) = 25.0 53.4 116.8 249.9 25.0 53.4 116.8 249.9

LCG LB	TRIM (DEG)	LC LB	LC LB	S WT(2/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.320	1.10	.394	.234	10.56	.1031	.1004
.360	.77	.393	.126	11.42	.1034	.1010
.400	-.46	.393	.087	12.76	.1036	.1010
.440	-.90	.392	.034	13.26	.1037	.1010
.440	-1.45	.394	.046	13.72	.1036	.1010
.520	-1.86	.476	.069	13.57	.1036	.1010

RESISTANCE DATA											
SLOPE 64-8						MODEL 4251					
LP/MP = 7.77						HEAVYWEIGHT ANGLE = 16.8 DEG					
						FWD = 7.70					
WEIGHT = LIFT (LB, SEAWATER) = 1000 10700 170000 1000000 1000 10000 100000 1000000											
LP/W(1/3) = 4.4						LP (FT) = 17.7 29.4 45.8 137.4					
						17.7 29.4 45.8 137.4					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	3.12	.479	.772	6.61	.1456 .1481 .1362 .1329	.400	3.12	.479	.772	6.61	.1504 .1491 .1410 .1377
.420	.20	.492	.777	7.64	.1467 .1491 .1390 .1309	.420	.20	.492	.777	7.64	.1574 .1462 .1411 .1370
LP/W(1/3) = 4.9											
LP (FT) = 19.0 32.7 69.0 190.0						19.0 32.7 69.0 190.0					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	3.07	.759	.720	5.74	.1615 .1584 .1324 .1292	.400	3.07	.759	.720	5.74	.1661 .1611 .1471 .1430
.420	1.07	.951	.648	7.44	.1704 .1647 .1411 .1370	.420	1.07	.951	.648	7.44	.1760 .1691 .1510 .1470
.420	.22	.949	.770	8.70	.1336 .1260 .1219 .1172	.420	.22	.949	.770	8.70	.1402 .1374 .1240 .1237
LP/W(1/3) = 6.4											
LP (FT) = 16.2 25.0 79.6 162.9						16.2 25.0 79.6 162.9					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	4.24	.692	.714	6.12	.1449 .1701 .1354 .1321	.400	4.24	.692	.714	6.12	.1494 .1644 .1463 .1360
.420	2.67	.873	.961	7.06	.1707 .1634 .1408 .1367	.420	2.67	.873	.961	7.06	.1753 .1691 .1507 .1404
.420	.07	.928	.666	8.97	.1117 .1047 .1040 .0932	.420	.07	.928	.666	8.97	.1164 .1112 .1102 .1004
.420	.53	.942	.720	9.14	.1277 .1208 .1139 .1091	.420	.53	.942	.720	9.14	.1349 .1274 .1213 .1164
LP/W(1/3) = 7.0											
LP (FT) = 17.5 27.7 91.2 175.0						17.5 27.7 91.2 175.0					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	2.71	.735	.612	6.00	.1245 .0904 .0939 .0897	.400	2.71	.735	.612	6.00	.1171 .1045 .1091 .1051
.420	1.36	.895	.957	6.74	.0886 .0909 .0850 .0807	.420	1.36	.895	.957	6.74	.1055 .0970 .1022 .1072
.420	.20	.963	.860	9.02	.1037 .0955 .0890 .0834	.420	.20	.963	.860	9.02	.1115 .1023 .1069 .1017
.420	.95	.907	.502	11.71	.1146 .1094 .1017 .0950	.420	.95	.907	.502	11.71	.1207 .1109 .1111 .1049
LP/W(1/3) = 7.5											
LP (FT) = 19.7 34.4 87.0 167.4						19.7 34.4 87.0 167.4					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	3.30	.657	.496	6.49	.1043 .1021 .0975 .0930	.400	3.30	.657	.496	6.49	.1124 .1075 .1075 .1091
.420	1.60	.795	.491	9.72	.0840 .0807 .0870 .0705	.420	1.60	.795	.491	9.72	.1075 .0952 .1007 .1052
.420	.60	.803	.570	9.00	.0943 .0870 .0805 .0757	.420	.60	.803	.570	9.00	.1072 .0944 .1004 .1032
.420	.53	.974	.663	12.00	.0967 .0845 .0747 .0725	.420	.53	.974	.663	12.00	.1040 .0961 .1007 .1020
.420	-1.29	.907	.349	12.40	.1137 .1023 .0930 .0871	.420	-1.29	.907	.349	12.40	.1230 .1121 .1074 .1072
LP/W(1/3) = 8.0											
LP (FT) = 20.0 37.1 92.4 200.0						20.0 37.1 92.4 200.0					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	2.04	.726	.429	6.41	.0940 .0870 .0815 .0771	.400	2.04	.726	.429	6.41	.1074 .0934 .1079 .1025
.420	1.04	.816	.471	9.41	.0840 .0800 .0817 .0766	.420	1.04	.816	.471	9.41	.1035 .0955 .1007 .1061
.420	.85	.914	.551	11.04	.0874 .0775 .0807 .0834	.420	.85	.914	.551	11.04	.1060 .0870 .1073 .1070
.420	.84	.977	.469	12.72	.0923 .0814 .0734 .0664	.420	.84	.977	.469	12.72	.1044 .0949 .1076 .1070
.420	-1.44	.946	.274	11.74	.1104 .1053 .0924 .0860	.420	-1.44	.946	.274	11.74	.1100 .1077 .1014 .1045
LP/W(1/3) = 8.4											
LP (FT) = 21.2 45.0 94.6 212.5						21.2 45.0 94.6 212.5					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	3.01	.619	.349	7.59	.0957 .0890 .0840 .0796	.400	3.01	.619	.349	7.59	.1014 .0951 .0950 .1050
.420	1.37	.755	.407	9.39	.0837 .0857 .0793 .0762	.420	1.37	.755	.407	9.39	.1012 .0932 .1000 .1017
.420	.55	.810	.474	11.22	.0844 .0805 .0825 .0806	.420	.55	.810	.474	11.22	.1004 .0889 .1015 .1076
.420	.36	.931	.464	13.39	.0812 .0702 .0814 .0804	.420	.36	.931	.464	13.39	.1004 .0840 .1021 .1051
.420	-1.14	.967	.311	12.30	.0916 .0816 .0732 .0664	.420	-1.14	.967	.311	12.30	.1017 .0913 .1051 .1076
.420	-1.50	.950	.192	10.96	.1004 .0940 .0916 .0857	.420	-1.50	.950	.192	10.96	.1171 .1077 .1007 .1044
LP/W(1/3) = 9.0											
LP (FT) = 22.5 48.4 154.4 225.0						22.5 48.4 154.4 225.0					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	2.19	.644	.354	8.06	.0904 .0830 .0769 .0720	.400	2.19	.644	.354	8.06	.0980 .0902 .0940 .1071
.420	1.04	.754	.369	10.51	.0810 .0821 .0759 .0693	.420	1.04	.754	.369	10.51	.0894 .0805 .0934 .1077
.420	.15	.857	.263	12.71	.0811 .0744 .0820 .0892	.420	.15	.857	.263	12.71	.0913 .0806 .0921 .1054
.420	.93	.977	.247	13.77	.0779 .0764 .0853 .0900	.420	.93	.977	.247	13.77	.0900 .0874 .0913 .1010
.420	-1.19	.961	.177	12.11	.0901 .0744 .0812 .0852	.420	-1.19	.961	.177	12.11	.0944 .0845 .0913 .1070
.420	-1.44	.977	.104	10.40	.1046 .0992 .0970 .0920	.420	-1.44	.977	.104	10.40	.1132 .1039 .1005 .1006
LP/W(1/3) = 9.5											
LP (FT) = 23.7 51.2 110.2 237.4						23.7 51.2 110.2 237.4					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	1.76	.646	.329	10.07	.0893 .0806 .0737 .0682	.400	1.76	.646	.329	10.07	.0974 .0896 .0910 .1063
.420	.65	.759	.295	11.63	.0807 .0705 .0826 .0803	.420	.65	.759	.295	11.63	.0901 .0801 .0921 .1057
.420	.14	.867	.295	13.76	.0767 .0720 .0850 .0860	.420	.14	.867	.295	13.76	.0864 .0735 .0946 .1057
.420	.71	.973	.127	13.76	.0761 .0646 .0856 .0864	.420	.71	.973	.127	13.76	.0847 .0757 .0963 .1051
.420	-1.21	.954	.053	12.33	.0951 .0744 .0860 .0844	.420	-1.21	.954	.053	12.33	.0950 .0847 .0949 .1062
.420	-1.67	.973	.021	11.69	.0874 .0873 .0794 .0770	.420	-1.67	.973	.021	11.69	.1060 .0967 .1007 .1007
LP/W(1/3) = 10.0											
LP (FT) = 25.0 51.4 116.0 249.9						25.0 51.4 116.0 249.9					
LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0	LCC	TRTH	LC	LC	S	RESISTANCE/LIFT FOR DCF=0.0004
LP	(DEG)	LB	LB	W(2/3)		LP	(DEG)	LB	LB	W(2/3)	
.400	1.62	.644	.300	10.97	.0824 .0730 .0656 .0607	.400	1.62	.644	.300	10.97	.0912 .0817 .0847 .1004
.420	.27	.793	.184	12.40	.0874 .0864 .0803 .0816	.420	.27	.793	.184	12.40	.0974 .0849 .0903 .1015
.420	.34	.872	.046	13.73	.0865 .0850 .0800 .0804	.420	.34	.872	.046	13.73	.0971 .0849 .0904 .1007
.420	.74	.914	0.000	12.20	.0800 .0872 .0801 .0800	.420	.74	.914	0.000	12.20	.0894 .0870 .0907 .1014
.420	-1.26	.940	0.000	13.14	.0870 .0875 .0844 .0872	.420	-1.26	.940	0.000	13.14	.0875 .0840 .0904 .1057
.420	-1.70	.970	0.000	13.43	.0844 .0877 .0844 .0871	.420	-1.70	.970	0.000	13.43	.0942 .0844 .0952 .1074

RESISTANCE DATA SERIES 45-4 MODEL 9251

LP/PPX = 3.30

DEADRISE ANGLE = 14.0 DEG

FNU = 2.50

HEIGHT = LIFT (LB, SPAN/WT) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/PP(1/3) = 6.0					LP (FT) = 15.0 32.3 69.6 150.0				15.0 32.3 69.6 150.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.360	3.46	.604	.673	5.31	.1409	.1414	.1362	.1310	.1595	.1434	.1429	.1304
.400	2.94	.770	.693	5.91	.1402	.1304	.1302	.1293	.1515	.1437	.1376	.1327
.520	1.76	.881	.652	6.96	.1504	.1476	.1409	.1347	.1653	.1583	.1492	.1434

LP/PP(1/3) = 6.4					LP (FT) = 16.2 35.0 75.4 162.5				16.2 35.0 75.4 162.5			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.360	3.47	.664	.677	5.54	.1404	.1338	.1272	.1226	.1473	.1399	.1341	.1295
.400	2.85	.779	.684	6.28	.1399	.1287	.1223	.1171	.1467	.1368	.1308	.1264
.520	1.94	.816	.664	7.29	.1397	.1303	.1224	.1170	.1467	.1393	.1319	.1260
.520	.97	.985	.610	8.34	.1504	.1397	.1313	.1245	.1600	.1501	.1417	.1350

LP/PP(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.360	4.52	.590	.644	5.49	.1372	.1300	.1243	.1197	.1441	.1360	.1311	.1266
.400	3.82	.674	.671	6.24	.1373	.1230	.1164	.1111	.1391	.1307	.1242	.1199
.520	2.80	.765	.674	7.40	.1396	.1190	.1122	.1061	.1380	.1291	.1234	.1193
.520	1.18	.945	.534	8.58	.1391	.1231	.1149	.1074	.1467	.1337	.1251	.1182
.520	.67	.891	.567	9.95	.1410	.1295	.1204	.1131	.1523	.1400	.1317	.1244

LP/PP(1/3) = 7.4					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.360	3.47	.606	.634	5.91	.1294	.1180	.1117	.1067	.1338	.1253	.1191	.1141
.400	2.22	.747	.615	7.08	.1165	.1074	.1010	.0961	.1296	.1183	.1109	.1030
.520	1.24	.796	.641	8.42	.1210	.1101	.1016	.0967	.1315	.1207	.1121	.1053
.520	.91	.874	.532	9.76	.1292	.1167	.1070	.0992	.1412	.1289	.1192	.1114
.520	-.26	.953	.505	11.24	.1436	.1295	.1185	.1097	.1575	.1436	.1326	.1237

LP/PP(1/3) = 8.0					LP (FT) = 20.0 43.1 92.0 200.0				20.0 43.1 92.0 200.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.320	4.19	.528	.587	5.06	.1399	.1320	.1259	.1210	.1471	.1393	.1332	.1283
.360	2.60	.644	.561	6.47	.1132	.1046	.0978	.0924	.1213	.1127	.1059	.1004
.400	1.52	.740	.625	7.96	.1143	.1040	.0950	.0893	.1242	.1139	.1050	.0993
.520	.70	.826	.641	9.71	.1100	.1006	.0909	.0852	.1310	.1197	.1090	.1013
.520	-.04	.912	.535	11.07	.1244	.1100	.0985	.0904	.1390	.1245	.1131	.1040
.520	-.62	.963	.573	13.00	.1366	.1207	.1081	.0980	.1570	.1369	.1244	.1148

LP/PP(1/3) = 8.5					LP (FT) = 21.2 45.0 90.6 212.5				21.2 45.0 90.6 212.5			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.320	3.24	.571	.539	5.96	.1195	.1114	.1051	.1001	.1269	.1189	.1126	.1075
.360	1.87	.683	.564	7.42	.1141	.1044	.0967	.0906	.1234	.1136	.1060	.0999
.400	.97	.764	.640	9.24	.1173	.1058	.0963	.0899	.1249	.1171	.1079	.1004
.520	.23	.859	.619	11.95	.1152	.1049	.0956	.0895	.1249	.1157	.1040	.0969
.520	-.53	.939	.519	13.69	.1230	.1063	.0931	.0859	.1401	.1244	.1122	.1046
.520	-.94	.961	.504	15.96	.1392	.1222	.1080	.0980	.1567	.1397	.1262	.1154

LP/PP(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.320	2.67	.619	.584	6.90	.1177	.1086	.1014	.0956	.1264	.1172	.1100	.1042
.360	1.34	.706	.572	8.92	.1104	.1010	.0939	.0877	.1296	.1181	.1091	.1010
.400	.68	.782	.675	10.93	.1102	.1025	.0917	.0850	.1290	.1161	.1053	.0966
.520	-.14	.875	.634	13.22	.1140	.0985	.0894	.0824	.1313	.1150	.1022	.0919
.520	-.74	.973	.634	14.31	.1272	.1080	.0959	.0860	.1413	.1216	.1130	.1027
.520	-1.22	.960	.560	16.34	.1507	.1330	.1191	.1079	.1606	.1410	.1270	.1150

LP/PP(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4				23.7 51.2 110.2 237.4			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.320	1.77	.697	.580	8.99	.1196	.1079	.0987	.0914	.1300	.1192	.1099	.1026
.360	1.02	.710	.555	10.99	.1210	.1083	.0977	.0892	.1350	.1219	.1109	.1024
.400	.27	.800	.592	12.97	.1175	.1019	.0909	.0796	.1332	.1176	.1052	.0955
.520	-.43	.885	.592	14.26	.1207	.1032	.0904	.0793	.1385	.1211	.1072	.0964
.520	-.95	.970	.586	16.36	.1397	.1210	.1074	.0960	.1579	.1379	.1236	.1114
.520	-1.40	.950	.510	18.03	.1636	.1453	.1309	.1193	.1810	.1636	.1492	.1376

LP/PP(1/3) = 10.0					LP (FT) = 25.0 53.0 116.0 249.9				25.0 53.0 116.0 249.9			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
(LB)	(DEG)	(LB)	(LB)	(1/2/3)								
.320	1.32	.671	.590	11.24	.1202	.1057	.0943	.0851	.1343	.1144	.1044	.0952
.360	.74	.719	.522	12.35	.1225	.1069	.0949	.0866	.1374	.1223	.1100	.1001
.400	-.00	.812	.520	13.61	.1233	.1064	.0931	.0824	.1403	.1234	.1101	.0994
.520	-.62	.880	.522	14.45	.1334	.1197	.1016	.0903	.1516	.1334	.1197	.1083
.520	-1.00	.920	.516	16.06	.1542	.1399	.1214	.1090	.1729	.1542	.1397	.1261
.520	-1.90	.995	.504	18.04	.1799	.1560	.1417	.1296	.1947	.1756	.1595	.1464

RESISTANCE DATA STRIPS 65-4 NOMFL 9251									
LP/SPY = 1.30			DEATHISE ANGLE = 14.0 DEG				FNU = 3.05		
WRIGHT = LIFT (LB, KEANATEP) = 1000 10000 100000 1000000 1000 10000 100000 1000000									
LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.440	3.83	.666	.697	4.71	.1572	.1606	.1615	.1360	.1646
.480	3.16	.770	.695	5.10	.1569	.1606	.1370	.1320	.1647
.520	2.56	.790	.720	4.70	.1663	.1590	.1676	.1610	.1767
LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.440	3.84	.626	.691	4.96	.1589	.1606	.1622	.1366	.1676
.480	3.16	.695	.693	5.67	.1657	.1594	.1676	.1609	.1759
.520	2.49	.769	.695	6.79	.1633	.1629	.1631	.1360	.1746
.520	1.89	.912	.662	6.90	.1631	.1607	.1618	.1331	.1755
LP/V(1/3) = 7.0 LP (FT) = 17.4 37.7 91.2 175.0 17.4 37.7 91.2 175.0									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.360	1.70	.570	.569	4.95	.1667	.1355	.1282	.1276	.1536
.400	1.00	.566	.635	5.00	.1666	.1354	.1273	.1206	.1570
.440	2.29	.711	.617	5.60	.1655	.1349	.1280	.1224	.1675
.480	1.67	.776	.568	7.40	.1684	.1672	.1367	.1291	.1737
.520	1.89	.910	.520	8.10	.1735	.1591	.1676	.1305	.1801
LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 97.8 187.5 18.7 40.4 97.8 187.5									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.320	3.87	.521	.694	4.65	.1361	.1255	.1186	.1131	.1427
.360	2.97	.599	.976	5.90	.1360	.1252	.1186	.1097	.1468
.400	2.20	.658	.957	6.74	.1437	.1315	.1219	.1147	.1549
.440	1.56	.733	.695	7.41	.1567	.1416	.1304	.1224	.1600
.480	.87	.793	.656	8.12	.1672	.1526	.1611	.1319	.1618
.520	.91	.894	.693	9.14	.1766	.1582	.1655	.1352	.1804
LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.320	1.30	.595	.661	5.79	.1282	.1177	.1097	.1027	.1345
.360	2.67	.617	.676	6.79	.1333	.1207	.1112	.1034	.1455
.400	1.71	.658	.666	7.52	.1453	.1317	.1210	.1124	.1599
.440	1.00	.756	.621	8.74	.1584	.1439	.1321	.1226	.1778
.480	.95	.826	.649	9.70	.1673	.1500	.1364	.1256	.1845
.520	.87	.891	.646	11.10	.1779	.1577	.1423	.1300	.1971
LP/V(1/3) = 8.5 LP (FT) = 21.2 45.4 99.6 212.5 21.2 45.4 99.6 212.5									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.320	2.84	.552	.592	6.53	.1256	.1135	.1039	.0967	.1473
.360	2.00	.635	.907	7.52	.1361	.1224	.1115	.1029	.1606
.400	1.24	.795	.749	8.45	.1595	.1356	.1236	.1134	.1644
.440	.71	.780	.606	9.79	.1620	.1439	.1311	.1201	.1796
.480	.21	.851	.635	11.40	.1715	.1517	.1385	.1255	.1897
.520	-.25	.919	.601	12.96	.1841	.1623	.1469	.1309	.2074
LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.320	2.47	.568	.526	7.14	.1307	.1171	.1066	.0987	.1471
.360	1.60	.695	.949	8.42	.1426	.1274	.1154	.1050	.1579
.400	.97	.722	.776	9.49	.1550	.1360	.1253	.1146	.1734
.440	.40	.801	.799	11.30	.1676	.1480	.1324	.1199	.1879
.480	-.07	.845	.627	12.75	.1815	.1597	.1423	.1284	.2044
.520	-.53	.910	.665	14.00	.1994	.1759	.1571	.1420	.2267
LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.320	2.81	.604	.706	8.09	.1421	.1271	.1150	.1066	.1564
.360	1.77	.671	.745	9.37	.1506	.1333	.1199	.1091	.1676
.400	.64	.762	.776	11.02	.1631	.1439	.1286	.1163	.1829
.440	.15	.813	.792	12.48	.1810	.1596	.1426	.1290	.2074
.480	-.32	.872	.615	13.65	.2015	.1746	.1600	.1452	.2261
.520	-.71	.910	.640	14.63	.2190	.1960	.1756	.1602	.2450
LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9									
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
.320	1.64	.610	.701	9.22	.1562	.1376	.1265	.1160	.1700
.360	1.04	.680	.733	10.95	.1670	.1480	.1329	.1200	.1746
.400	.46	.753	.776	12.16	.1797	.1570	.1405	.1271	.1909
.440	-.08	.821	.766	13.27	.2051	.1826	.1647	.1503	.2090
.480	-.57	.873	.709	14.23	.2307	.2060	.1874	.1725	.2463
.520	-.94	.913	.613	15.27	.2662	.2387	.2185	.1942	.2737

RESISTANCE DATA

SERIES 65-A

MODEL 9251

LP/MPX = 3.30

HEADRISE ANGLE = 14.8 DEG

FNU = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.35	.501	.429	4.56	.1277	.1161	.1069	.0996	.1389	.1272	.1181	.1102
.360	1.71	.557	.401	5.24	.1376	.1243	.1139	.1055	.1504	.1372	.1267	.1183
.400	1.16	.600	.376	6.09	.1502	.1354	.1237	.1143	.1647	.1498	.1381	.1287
.440	.66	.655	.367	6.58	.1667	.1502	.1372	.1260	.1878	.1663	.1534	.1430
.480	.14	.701	.368	7.40	.1894	.1711	.1567	.1452	.2075	.1893	.1748	.1633
.520	-.44	.750	.464	8.49	.2235	.2030	.1868	.1738	.2442	.2230	.2076	.1946

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.06	.515	.493	4.74	.1411	.1293	.1201	.1127	.1527	.1409	.1317	.1243
.360	2.41	.580	.493	5.59	.1559	.1423	.1315	.1228	.1696	.1560	.1452	.1365
.400	1.87	.639	.460	6.33	.1700	.1546	.1424	.1327	.1855	.1701	.1580	.1482
.440	1.39	.691	.426	7.04	.1834	.1664	.1529	.1421	.2006	.1836	.1701	.1593
.480	.97	.739	.402	7.76	.1966	.1779	.1632	.1513	.2156	.1970	.1822	.1703
.520	.50	.786	.396	8.55	.2183	.1899	.1737	.1607	.2312	.2108	.1946	.1817

LP/V(1/3) = 8.0 LP (FT) = 20.3 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.89	.527	.496	5.78	.1477	.1348	.1247	.1165	.1687	.1478	.1376	.1295
.360	2.47	.595	.498	6.14	.1660	.1520	.1403	.1309	.1819	.1671	.1554	.1460
.400	1.94	.656	.463	6.89	.1845	.1681	.1551	.1446	.2014	.1850	.1720	.1615
.440	1.48	.709	.425	7.59	.2006	.1826	.1683	.1568	.2192	.2011	.1869	.1754
.480	1.07	.758	.398	8.34	.2154	.1957	.1800	.1675	.2359	.2161	.2004	.1879
.520	.68	.812	.401	9.45	.2147	.1926	.1750	.1609	.2379	.2157	.1982	.1848

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.82	.539	.467	6.16	.1471	.1422	.1305	.1211	.1722	.1573	.1456	.1362
.360	2.22	.586	.448	6.98	.1704	.1619	.1469	.1384	.1953	.1788	.1658	.1553
.400	1.71	.663	.411	7.54	.1941	.1802	.1560	.1546	.2165	.1987	.1845	.1731
.440	1.26	.716	.374	8.24	.2160	.1965	.1811	.1687	.2361	.2167	.2012	.1888
.480	.85	.748	.367	9.20	.2258	.2042	.1871	.1733	.2483	.2267	.2096	.1958
.520	.46	.826	.349	10.65	.2222	.1976	.1780	.1623	.2483	.2237	.2041	.1884

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.47	.547	.405	7.00	.1672	.1504	.1371	.1264	.1844	.1675	.1542	.1435
.360	1.87	.611	.375	7.61	.1906	.1724	.1580	.1465	.2093	.1911	.1767	.1651
.400	1.37	.667	.344	8.24	.2117	.1921	.1766	.1641	.2318	.2123	.1968	.1843
.440	.97	.715	.328	8.94	.2287	.2076	.1908	.1774	.2506	.2295	.2127	.1993
.480	.50	.745	.354	10.62	.2394	.2058	.1863	.1706	.2564	.2318	.2123	.1966
.520	.12	.844	.389	12.17	.2401	.2124	.1903	.1726	.2699	.2422	.2201	.2024

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.12	.555	.335	7.82	.1792	.1634	.1494	.1334	.1984	.1795	.1646	.1526
.360	1.54	.616	.311	8.41	.2034	.1833	.1673	.1546	.2249	.2039	.1879	.1751
.400	1.04	.673	.296	9.11	.2253	.2037	.1866	.1729	.2476	.2260	.2089	.1952
.440	.59	.739	.312	10.43	.2367	.2124	.1932	.1777	.2623	.2380	.2187	.2032
.480	.19	.801	.341	11.87	.2496	.2224	.2008	.1834	.2786	.2514	.2299	.2125
.520	-.18	.855	.377	13.25	.2679	.2388	.2143	.1951	.3003	.2785	.2467	.2276

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.87	.563	.281	8.76	.1919	.1787	.1548	.1406	.2133	.1922	.1755	.1620
.360	1.29	.625	.271	9.43	.2167	.1942	.1764	.1621	.2397	.2173	.1995	.1852
.400	.79	.687	.272	10.28	.2372	.2130	.1939	.1785	.2624	.2382	.2191	.2037
.440	.35	.752	.288	11.39	.2540	.2277	.2068	.1900	.2819	.2556	.2347	.2179
.480	-.02	.809	.314	12.51	.2736	.2452	.2226	.2044	.3043	.2758	.2532	.2350
.520	-.37	.857	.348	13.62	.2973	.2668	.2425	.2230	.3386	.3081	.2799	.2563

RESISTANCE DATA SERIES 65-A MODEL 5251

LP/BOX = 3.30

DEADPISE ANGLE = 14.8 DEG

FND = 4.00

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.44	.467	.195	5.99	.1370	.1170	.1013	.0887	.1562	.1362	.1204	.1078
.360	-.03	.508	.216	7.02	.1501	.1271	.1093	.0944	.1726	.1496	.1314	.1169
.400	-.46	.550	.267	8.06	.1909	.1652	.1448	.1285	.2167	.1909	.1706	.1543
.440	-.84	.593	.337	9.05	.2607	.2326	.2103	.1924	.2896	.2615	.2392	.2213
.480	-1.19	.636	.429	9.96	.3544	.3243	.2984	.2812	.3963	.3562	.3223	.3131
.520	-1.46	.676	.533	10.77	.4627	.4311	.4059	.3856	.4972	.4655	.4403	.4200

LP/V(1/3) = 9.0

LP (FT) = 22.5 49.5 104.4 225.0 22.5 49.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.51	.535	.273	6.41	.1465	.1662	.1502	.1373	.2070	.1967	.1777	.1578
.360	1.16	.574	.273	7.04	.2119	.1899	.1724	.1584	.2344	.2124	.1949	.1809
.400	.85	.609	.274	7.78	.2253	.2011	.1820	.1667	.2511	.2280	.2169	.1915
.440	.48	.657	.279	8.89	.2257	.1984	.1767	.1594	.2541	.2268	.2052	.1878
.480	.13	.697	.297	10.05	.2770	.2075	.1833	.1639	.2701	.2386	.2155	.1961
.520	-.19	.740	.330	11.23	.2673	.2338	.2072	.1858	.3032	.2697	.2431	.2217

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.83	.546	.290	7.02	.1977	.1759	.1587	.1448	.2202	.1984	.1811	.1672
.360	1.43	.594	.291	7.68	.2329	.2085	.1898	.1748	.2566	.2330	.2144	.1993
.400	1.11	.634	.295	8.32	.2611	.2358	.2158	.1996	.2877	.2624	.2424	.2263
.440	.79	.679	.302	9.23	.2792	.2514	.2294	.2117	.3087	.2810	.2591	.2412
.480	.46	.728	.316	10.47	.2919	.2609	.2362	.2164	.3254	.2947	.2697	.2498
.520	.14	.775	.338	11.72	.3112	.2769	.2497	.2277	.3487	.3144	.2872	.2652

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.83	.543	.271	7.69	.2127	.1890	.1701	.1550	.2373	.2136	.1947	.1796
.360	1.41	.597	.279	8.29	.2503	.2250	.2050	.1889	.2769	.2515	.2315	.2154
.400	1.06	.636	.288	8.92	.2839	.2571	.2358	.2187	.3125	.2856	.2643	.2472
.440	.72	.690	.304	9.98	.3146	.2850	.2615	.2426	.3465	.3169	.2934	.2745
.480	.39	.746	.325	11.22	.3434	.3106	.2846	.2636	.3792	.3465	.3205	.2995
.520	.07	.797	.344	12.43	.3706	.3348	.3063	.2834	.4103	.3745	.3461	.3271

RESISTANCE DATA SERIES 65-A MODEL 5249
 LP/RPX = 4.66 DEADWISE ANGLE = 14.8 DEG FNT = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.40	.007	.712	7.57	.0599	.0580	.0565	.0554	.0614	.0595	.0581	.0569
.360	2.42	.060	.740	8.07	.0444	.0424	.0400	.0396	.0460	.0440	.0425	.0412
.400	.94	.092	.827	8.27	.0396	.0336	.0321	.0309	.0373	.0353	.0337	.0325
.440	-1.50	.097	.774	8.14	.0342	.0322	.0307	.0295	.0350	.0339	.0323	.0311
.480	-1.84	1.000	.607	7.79	.0395	.0336	.0321	.0309	.0370	.0351	.0337	.0325
.520	-2.93	1.000	.761	7.46	.0339	.0321	.0307	.0296	.0354	.0336	.0322	.0311

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.33	.025	.666	8.22	.0534	.0519	.0503	.0490	.0555	.0535	.0519	.0507
.360	1.64	.051	.662	8.73	.0481	.0380	.0364	.0356	.0419	.0399	.0381	.0368
.400	.33	.059	.659	8.64	.0340	.0327	.0310	.0297	.0365	.0344	.0328	.0315
.440	-1.76	.096	.739	8.77	.0310	.0297	.0281	.0268	.0339	.0315	.0298	.0285
.480	-1.92	.099	.774	8.75	.0309	.0287	.0271	.0258	.0325	.0304	.0288	.0275

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.49	.045	.601	8.88	.0490	.0469	.0452	.0438	.0500	.0486	.0470	.0456
.360	1.08	.051	.516	9.94	.0369	.0367	.0350	.0336	.0406	.0385	.0368	.0354
.400	.00	.091	.515	8.90	.0334	.0312	.0295	.0282	.0351	.0330	.0313	.0299
.440	-1.00	.095	.616	9.09	.0290	.0277	.0260	.0246	.0316	.0295	.0278	.0264
.480	-1.90	.095	.719	9.40	.0270	.0256	.0239	.0225	.0297	.0275	.0257	.0244
.520	-2.07	1.000	.790	9.89	.0264	.0245	.0226	.0212	.0287	.0264	.0246	.0232

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.86	.053	.499	9.06	.0452	.0429	.0412	.0398	.0478	.0467	.0450	.0436
.360	.72	.050	.437	9.03	.0367	.0347	.0328	.0314	.0385	.0363	.0346	.0332
.400	-2.27	.090	.403	9.01	.0311	.0289	.0272	.0259	.0329	.0307	.0290	.0277
.440	-1.13	.091	.452	9.27	.0273	.0251	.0233	.0219	.0292	.0269	.0252	.0238
.480	-1.92	.091	.600	9.95	.0249	.0224	.0206	.0191	.0267	.0244	.0226	.0211
.520	-2.70	1.000	.904	11.21	.0232	.0206	.0186	.0170	.0254	.0229	.0209	.0193

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.0 99.6 212.5 21.2 45.0 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.40	.064	.469	9.07	.0409	.0386	.0369	.0355	.0427	.0405	.0387	.0374
.360	.36	.062	.367	9.12	.0344	.0325	.0308	.0294	.0366	.0344	.0326	.0313
.400	-4.47	.084	.337	9.29	.0296	.0263	.0245	.0231	.0304	.0282	.0264	.0250
.440	-1.17	.099	.301	9.75	.0247	.0220	.0201	.0187	.0263	.0239	.0221	.0206
.480	-1.84	.090	.522	10.62	.0221	.0196	.0176	.0161	.0242	.0217	.0197	.0182
.520	-2.57	1.000	.931	12.20	.0227	.0199	.0177	.0160	.0251	.0223	.0202	.0185

LP/V(1/3) = 9.0 LP (FT) = 27.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.80	.076	.354	9.48	.0375	.0352	.0334	.0319	.0384	.0371	.0353	.0338
.360	.04	.052	.328	9.79	.0321	.0297	.0279	.0264	.0340	.0317	.0298	.0284
.400	-6.63	.079	.308	9.68	.0270	.0246	.0227	.0212	.0289	.0266	.0247	.0232
.440	-1.77	.090	.316	10.19	.0234	.0210	.0191	.0175	.0255	.0230	.0211	.0196
.480	-1.80	.095	.359	10.94	.0213	.0187	.0166	.0150	.0234	.0208	.0188	.0172
.520	-2.50	.097	.473	12.35	.0211	.0182	.0159	.0141	.0235	.0207	.0184	.0166

LP/V(1/3) = 9.4 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.87	.079	.325	10.25	.0346	.0321	.0302	.0286	.0367	.0342	.0322	.0307
.360	-1.17	.043	.304	10.57	.0299	.0274	.0254	.0239	.0320	.0295	.0275	.0260
.400	-7.75	.076	.275	10.44	.0262	.0237	.0217	.0201	.0282	.0257	.0238	.0222
.440	-1.77	.090	.246	10.95	.0234	.0209	.0189	.0174	.0255	.0230	.0210	.0195
.480	-1.76	1.000	.214	10.93	.0214	.0188	.0167	.0151	.0236	.0211	.0189	.0173
.520	-2.77	.090	.177	11.87	.0201	.0172	.0150	.0132	.0225	.0196	.0173	.0156

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.47	.074	.301	11.15	.0321	.0294	.0273	.0256	.0343	.0316	.0295	.0279
.360	-2.24	.037	.273	11.07	.0284	.0257	.0236	.0220	.0306	.0279	.0259	.0242
.400	-8.77	.074	.242	10.96	.0257	.0231	.0210	.0194	.0279	.0252	.0232	.0216
.440	-1.71	.094	.191	10.94	.0236	.0210	.0189	.0173	.0254	.0232	.0211	.0195
.480	-1.71	1.000	.116	11.17	.0213	.0181	.0170	.0154	.0241	.0214	.0193	.0176
.520	-2.21	1.000	.070	11.69	.0201	.0172	.0149	.0131	.0224	.0195	.0173	.0155

RESISTANCE DATA SERIES 64-A MODEL 5249

LP/PM = 4.66

DEADRISE ANGLE = 14.8 DEG

PMV = 1.25

WEIGHT = LIFT (LB, SEANATFR) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.19	.015	.742	7.49	.0924	.0996	.0874	.0857	.0947	.0919	.0890	.0881
.400	2.39	.949	.702	8.04	.0747	.0719	.0696	.0677	.0772	.0743	.0721	.0703
.440	.94	.942	.677	8.28	.0642	.0613	.0590	.0571	.0668	.0639	.0618	.0597
.480	-.62	.994	.950	8.42	.0650	.0621	.0597	.0579	.0677	.0647	.0624	.0605
.520	-1.73	1.000	.926	8.09	.0724	.0696	.0674	.0656	.0750	.0721	.0699	.0681

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	5.00	.741	.694	7.04	.0901	.0951	.0929	.0911	.0905	.0876	.0853	.0835
.360	3.00	.853	.718	8.45	.0756	.0726	.0702	.0683	.0703	.0752	.0724	.0709
.400	1.51	.950	.745	8.89	.0625	.0594	.0569	.0549	.0653	.0621	.0596	.0577
.440	.22	.991	.776	8.98	.0566	.0534	.0509	.0489	.0594	.0562	.0537	.0517
.480	-.67	.997	.769	9.03	.0579	.0547	.0522	.0502	.0607	.0575	.0550	.0530
.520	-1.91	1.000	.686	8.76	.0625	.0593	.0569	.0549	.0652	.0621	.0596	.0577

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.70	.741	.672	8.63	.0835	.0884	.0879	.0859	.0862	.0831	.0806	.0786
.360	2.15	.875	.672	9.24	.0666	.0633	.0607	.0586	.0695	.0662	.0636	.0615
.400	.85	.965	.629	9.29	.0556	.0523	.0497	.0476	.0585	.0552	.0526	.0505
.440	-.24	.994	.566	9.41	.0519	.0485	.0459	.0438	.0548	.0514	.0488	.0467
.480	-1.21	.996	.546	9.57	.0524	.0490	.0463	.0442	.0555	.0520	.0493	.0472
.520	-2.10	.997	.612	9.62	.0547	.0512	.0486	.0464	.0577	.0543	.0516	.0494

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.97	.761	.626	9.27	.0763	.0730	.0703	.0682	.0792	.0759	.0732	.0711
.360	1.59	.891	.567	9.54	.0604	.0570	.0544	.0522	.0634	.0600	.0573	.0552
.400	.50	.974	.516	9.81	.0525	.0491	.0465	.0444	.0555	.0521	.0494	.0473
.440	-.57	.993	.457	9.55	.0473	.0439	.0412	.0391	.0503	.0469	.0442	.0421
.480	-1.44	.991	.501	9.87	.0459	.0424	.0396	.0374	.0488	.0454	.0427	.0405
.520	-2.22	.995	.668	10.52	.0470	.0433	.0404	.0381	.0503	.0466	.0437	.0414

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.0 98.6 212.5 21.2 45.0 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.31	.776	.528	9.48	.0691	.0647	.0620	.0598	.0710	.0676	.0649	.0628
.360	1.03	.912	.459	9.57	.0576	.0542	.0515	.0494	.0606	.0572	.0545	.0523
.400	.04	.979	.410	9.54	.0466	.0432	.0406	.0384	.0496	.0462	.0435	.0414
.440	-.78	.998	.403	9.74	.0425	.0390	.0362	.0341	.0455	.0420	.0393	.0371
.480	-1.50	.984	.400	10.36	.0394	.0358	.0329	.0306	.0427	.0390	.0361	.0339
.520	-2.23	.993	.675	11.49	.0420	.0380	.0349	.0325	.0456	.0416	.0385	.0361

LP/V(1/3) = 9.0 LP (FT) = 22.5 46.5 104.4 225.0 22.5 46.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.79	.793	.412	9.20	.0619	.0579	.0552	.0531	.0642	.0608	.0581	.0560
.360	.62	.924	.378	9.57	.0547	.0513	.0486	.0465	.0577	.0543	.0516	.0494
.400	-.25	.971	.337	9.70	.0454	.0424	.0397	.0376	.0489	.0455	.0427	.0406
.440	-1.07	.987	.332	10.12	.0391	.0355	.0327	.0304	.0423	.0387	.0359	.0336
.480	-1.87	.991	.371	10.81	.0365	.0327	.0297	.0277	.0399	.0360	.0330	.0306
.520	-2.22	.995	.494	12.10	.0379	.0337	.0303	.0277	.0417	.0374	.0341	.0315

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.31	.816	.331	9.26	.0562	.0525	.0498	.0481	.0591	.0554	.0521	.0500
.360	.20	.922	.310	9.40	.0504	.0464	.0438	.0418	.0535	.0499	.0471	.0449
.400	-.47	.966	.288	10.19	.0430	.0393	.0365	.0342	.0462	.0425	.0397	.0374
.440	-1.07	.987	.264	10.54	.0380	.0342	.0313	.0289	.0413	.0376	.0346	.0322
.480	-1.61	.997	.254	11.70	.0352	.0312	.0280	.0255	.0387	.0347	.0315	.0290
.520	-2.18	.999	.261	12.54	.0344	.0303	.0268	.0240	.0387	.0342	.0307	.0279

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.0 116.0 249.9 25.0 57.0 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	.92	.829	.287	9.04	.0517	.0482	.0454	.0432	.0548	.0513	.0485	.0463
.360	.07	.917	.280	10.59	.0462	.0425	.0395	.0372	.0496	.0459	.0429	.0405
.400	-.67	.954	.254	10.82	.0409	.0371	.0341	.0317	.0443	.0405	.0374	.0350
.440	-1.14	.990	.219	11.14	.0372	.0333	.0302	.0277	.0407	.0364	.0336	.0312
.480	-1.40	1.000	.174	11.76	.0347	.0305	.0272	.0246	.0384	.0342	.0310	.0282
.520	-2.11	1.000	.109	12.01	.0331	.0284	.0249	.0219	.0371	.0324	.0288	.0259

RESISTANCE DATA SERIES 64-4 MODEL 5249

LP/DPK = 4.66

DEADWISE ANGLE = 14.8 DEG

PMU = 1.90

WIGHT = LIFT (L.R. SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5

16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	5.37	.746	.700	7.05	.1259	.1223	.1194	.1171	.1291	.1256	.1226	.1203
.360	3.50	.851	.749	7.42	.1046	.1010	.9979	.9955	.1079	.1042	.1012	.0988
.400	2.80	.968	.805	7.09	.0918	.0879	.8648	.8624	.0954	.0916	.0884	.0859
.440	.50	.992	.919	8.31	.0835	.0796	.7766	.7740	.0876	.0838	.0803	.0778
.520	-1.77	1.000	1.000	8.51	.0899	.0854	.8026	.8000	.0937	.0896	.0864	.0836

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0

17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	5.00	.674	.700	7.77	.1045	.1006	.9975	.9950	.1100	.1061	.1019	.0985
.400	2.44	.888	.735	8.37	.0891	.0850	.8817	.8791	.0929	.0887	.0854	.0820
.440	1.19	.964	.810	8.86	.0780	.0745	.8711	.8683	.0820	.0784	.0750	.0723
.440	.02	.993	.972	9.14	.0762	.0716	.8683	.8655	.0803	.0769	.0734	.0706
.520	-1.00	.990	.834	9.23	.0745	.0701	.8746	.8718	.0800	.0763	.0727	.0699

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5

18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	5.00	.674	.683	8.61	.1145	.1105	.1073	.1048	.1101	.1061	.1019	.0985
.400	3.01	.745	.683	8.61	.0894	.0854	.8821	.8793	.0936	.0893	.0859	.0832
.440	1.76	.893	.735	9.29	.0775	.0730	.8644	.8616	.0817	.0772	.0736	.0707
.440	.50	.942	.787	9.75	.0691	.0643	.8486	.8457	.0734	.0687	.0650	.0621
.440	.02	.997	.946	9.91	.0712	.0663	.8625	.8596	.0756	.0707	.0669	.0639
.520	-1.30	.996	.816	9.88	.0774	.0724	.8696	.8655	.0810	.0769	.0730	.0699

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0

20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.77	.625	.625	8.68	.0964	.0924	.8889	.8862	.1007	.0963	.0920	.0891
.400	2.29	.803	.652	9.53	.0780	.0733	.8696	.8667	.0823	.0776	.0739	.0709
.440	1.12	.919	.699	10.25	.0689	.0639	.8580	.8554	.0735	.0686	.0646	.0615
.440	.14	.984	.677	10.59	.0655	.0604	.8544	.8517	.0703	.0652	.0612	.0579
.440	-1.73	.994	.607	10.57	.0656	.0605	.8565	.8537	.0704	.0653	.0612	.0580
.520	-1.49	.992	.564	10.50	.0695	.0644	.8604	.8572	.0743	.0691	.0651	.0619

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.9 99.6 212.5

21.2 45.9 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	2.95	.709	.600	9.42	.0941	.0894	.8757	.8727	.1003	.0956	.0919	.0889
.400	1.64	.874	.615	10.43	.0711	.0660	.8620	.8587	.0754	.0707	.0666	.0634
.440	.64	.943	.618	11.14	.0697	.0643	.8681	.8647	.0747	.0693	.0651	.0617
.440	-1.20	.981	.599	11.11	.0697	.0643	.8642	.8608	.0747	.0693	.0651	.0617
.440	-1.00	.988	.584	10.92	.0699	.0646	.8585	.8547	.0748	.0694	.0654	.0621
.520	-1.61	.999	.505	10.96	.0620	.0567	.8525	.8482	.0664	.0616	.0575	.0542

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0

22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	2.31	.728	.549	9.82	.0757	.0708	.8678	.8639	.0801	.0752	.0714	.0683
.400	1.16	.854	.549	10.44	.0704	.0653	.8613	.8570	.0751	.0700	.0660	.0628
.440	.27	.945	.519	10.64	.0676	.0625	.8585	.8542	.0724	.0673	.0632	.0600
.440	-1.47	.976	.452	11.01	.0606	.0555	.8514	.8462	.0653	.0602	.0562	.0530
.440	-1.11	.984	.429	10.63	.0578	.0519	.8478	.8446	.0615	.0566	.0526	.0493
.520	-1.70	.993	.466	11.14	.0584	.0530	.8480	.8444	.0634	.0580	.0536	.0504

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 119.2 237.4

23.7 51.2 119.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	1.02	.746	.480	9.87	.0715	.0664	.8627	.8596	.0759	.0710	.0672	.0641
.400	.70	.871	.472	10.81	.0692	.0643	.8605	.8574	.0727	.0684	.0650	.0619
.440	-1.03	.949	.466	9.96	.0634	.0590	.8552	.8521	.0687	.0643	.0606	.0576
.440	-1.68	.974	.404	10.09	.0583	.0533	.8494	.8463	.0626	.0584	.0540	.0508
.440	-1.23	.991	.279	10.55	.0554	.0504	.8463	.8430	.0603	.0561	.0518	.0487
.520	-1.74	.994	.314	11.42	.0561	.0505	.8461	.8426	.0612	.0566	.0522	.0491

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.4

25.0 53.8 116.0 249.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	1.39	.767	.413	9.62	.0691	.0644	.8606	.8576	.0734	.0687	.0649	.0620
.400	.50	.871	.400	9.64	.0664	.0621	.8584	.8554	.0712	.0665	.0624	.0594
.440	-1.26	.919	.277	9.79	.0604	.0559	.8528	.8490	.0650	.0602	.0564	.0534
.440	-1.81	.975	.202	10.17	.0564	.0515	.8476	.8444	.0611	.0561	.0522	.0490
.440	-1.30	.996	.177	10.81	.0544	.0491	.8449	.8415	.0593	.0543	.0497	.0464
.520	-1.76	1.000	.270	11.00	.0541	.0483	.8437	.8401	.0594	.0546	.0498	.0464

RESISTANCE DATA SERIES 65-4 MONFL 5249

IP/BNX = 4.66 DRAPISE ANGLE = 14.8 DEG FNR = 1.75

WEIGHT = LIFT (LB, SEANATFR) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	3.50	.835	.741	7.30	.1126	.1077	.1038	.1000	.1179	.1121	.1087	.1052
.440	2.17	.943	.747	7.55	.1019	.0970	.0931	.0899	.1066	.1016	.0977	.0946
.480	.45	.986	.876	8.88	.0953	.0900	.0859	.0826	.1007	.0950	.0909	.0876
.520	-.55	.998	.974	8.31	.1005	.0952	.0910	.0877	.1056	.1003	.0961	.0927

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	4.57	.787	.676	7.52	.1224	.1177	.1137	.1105	.1274	.1223	.1183	.1151
.400	2.66	.863	.720	8.01	.1019	.0966	.0924	.0891	.1069	.1015	.0974	.0940
.440	1.50	.935	.774	8.48	.0919	.0865	.0822	.0788	.0971	.0916	.0873	.0839
.480	.50	.983	.852	8.84	.0800	.0746	.0709	.0674	.0875	.0819	.0783	.0749
.520	-.75	.997	.981	9.37	.0941	.0882	.0836	.0798	.0999	.0940	.0894	.0856

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 97.0 107.5 18.7 40.4 97.0 107.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	3.50	.730	.664	8.34	.1193	.1127	.1084	.1049	.1174	.1109	.1069	.1030
.400	2.00	.854	.702	8.76	.0984	.0917	.0882	.0846	.0958	.0891	.0856	.0820
.440	.94	.949	.758	9.72	.0840	.0780	.0733	.0695	.0897	.0837	.0790	.0753
.480	-.02	.993	.842	9.58	.0841	.0780	.0733	.0694	.0899	.0839	.0791	.0753
.520	-1.00	.996	.906	9.58	.0907	.0847	.0800	.0762	.0965	.0905	.0858	.0820

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.50	.677	.598	8.39	.1171	.1115	.1070	.1034	.1223	.1166	.1121	.1086
.360	2.65	.756	.641	9.72	.0942	.0881	.0833	.0795	.0999	.0937	.0890	.0852
.400	1.47	.876	.696	9.84	.0834	.0774	.0724	.0684	.0894	.0834	.0785	.0745
.440	.50	.968	.732	10.26	.0808	.0743	.0692	.0651	.0871	.0816	.0765	.0724
.480	-.34	.991	.756	9.98	.0803	.0741	.0691	.0652	.0864	.0802	.0752	.0713
.520	-1.00	.994	.747	9.72	.0836	.0775	.0727	.0680	.0896	.0835	.0787	.0744

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.50	.657	.587	9.15	.1019	.0954	.0910	.0872	.1075	.1014	.0966	.0928
.360	2.00	.774	.641	10.32	.0852	.0785	.0733	.0690	.0915	.0844	.0796	.0754
.400	.97	.882	.641	11.01	.0824	.0755	.0700	.0656	.0892	.0822	.0767	.0723
.440	.14	.965	.657	11.10	.0793	.0723	.0664	.0624	.0861	.0791	.0736	.0692
.480	-.56	.985	.594	10.87	.0754	.0689	.0635	.0592	.0825	.0755	.0702	.0654
.520	-1.23	.991	.540	10.70	.0773	.0705	.0651	.0608	.0844	.0770	.0717	.0674

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.62	.648	.582	9.93	.0875	.0810	.0759	.0718	.0976	.0911	.0860	.0819
.360	1.40	.814	.636	10.89	.0796	.0727	.0672	.0628	.0867	.0793	.0739	.0695
.400	.50	.919	.637	11.22	.0807	.0736	.0681	.0636	.0875	.0805	.0749	.0705
.440	-.15	.959	.514	11.13	.0772	.0701	.0645	.0601	.0840	.0769	.0717	.0669
.480	-.77	.982	.499	11.05	.0757	.0686	.0630	.0585	.0824	.0753	.0697	.0653
.520	-1.37	.993	.371	11.10	.0779	.0707	.0651	.0604	.0847	.0775	.0719	.0674

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.00	.719	.568	10.83	.0744	.0676	.0622	.0579	.0849	.0781	.0727	.0684
.360	1.00	.831	.599	10.69	.0781	.0713	.0660	.0617	.0866	.0799	.0745	.0702
.400	.26	.910	.514	10.64	.0746	.0679	.0625	.0582	.0841	.0774	.0721	.0678
.440	-.78	.956	.345	10.65	.0770	.0702	.0648	.0604	.0855	.0787	.0733	.0689
.480	-.92	.982	.249	10.61	.0772	.0701	.0646	.0601	.0834	.0767	.0712	.0667
.520	-1.41	.997	.227	11.15	.0795	.0722	.0665	.0619	.0863	.0790	.0733	.0687

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.8 116.0 249.9 25.0 57.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.59	.729	.541	10.49	.0774	.0711	.0658	.0616	.0842	.0775	.0722	.0679
.360	.71	.877	.523	10.83	.0744	.0670	.0610	.0560	.0845	.0772	.0712	.0662
.400	.03	.908	.367	9.92	.0774	.0715	.0665	.0624	.0839	.0775	.0725	.0685
.440	-.54	.955	.202	10.13	.0772	.0706	.0654	.0612	.0834	.0764	.0716	.0674
.480	-1.07	.984	.123	10.54	.0777	.0707	.0652	.0609	.0841	.0777	.0717	.0673
.520	-1.45	1.000	.126	11.14	.0794	.0720	.0662	.0616	.0862	.0789	.0731	.0685

RESISTANCE DATA SFRIFS 64-4 MODEL 37-1

LP/MPX = 4.66

DRAISE ANGLE = 14.8 DEG

FNV = 2.00

WEIGHT = LIFT (LB, SPANATED) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.8 75.4 162.5 16.2 35.8 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	5.80	.736	.709	7.13	.1424	.1363	.1316	.1275	.1401	.1420	.1371	.1332
.440	2.29	.919	.775	7.92	.1124	.1064	.1015	.0975	.1190	.1125	.1075	.1039
.480	1.01	.976	.860	7.72	.1059	.0995	.0945	.0904	.1120	.1077	.1004	.0966
.520	-.52	.994	.939	8.05	.1157	.1091	.1039	.0999	.1221	.1155	.1104	.1062

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	3.50	.763	.695	7.96	.1222	.1154	.1100	.1054	.1205	.1217	.1164	.1121
.440	1.72	.907	.750	8.25	.1040	.0980	.0926	.0882	.1114	.1046	.0992	.0940
.480	.50	.942	.817	8.78	.1029	.0957	.0901	.0856	.1049	.1024	.0971	.0926
.520	-.69	.997	.915	9.25	.1093	.1016	.0957	.0910	.1164	.1093	.1031	.0984

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.8 187.5 18.7 40.4 87.8 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	4.31	.647	.639	7.44	.1272	.1204	.1151	.1109	.1134	.1267	.1214	.1171
.440	2.29	.896	.692	8.61	.1045	.0984	.0928	.0882	.1125	.1051	.0997	.0951
.480	1.15	.924	.727	8.77	.0982	.0908	.0849	.0802	.1054	.0980	.0921	.0875
.520	-.16	.987	.827	9.45	.0980	.0904	.0844	.0796	.1055	.0980	.0920	.0872
	-.81	.995	.971	9.76	.1041	.0964	.0903	.0854	.1119	.1047	.0981	.0932

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	5.45	.609	.551	7.12	.1339	.1277	.1220	.1189	.1304	.1334	.1285	.1246
.440	3.14	.704	.624	8.77	.1108	.1034	.0976	.0929	.1178	.1104	.1046	.0999
.480	1.73	.810	.664	9.48	.0945	.0867	.0805	.0766	.1060	.0982	.0921	.0871
.520	-.70	.943	.711	9.80	.0950	.0871	.0809	.0759	.1028	.0949	.0887	.0837
	-.14	.984	.796	9.77	.0951	.0873	.0812	.0762	.1029	.0951	.0890	.0841
	-.90	.993	.857	9.71	.1002	.0925	.0865	.0816	.1079	.1003	.0942	.0894

LP/V(1/3) = 8.5 LP (FT) = 21.7 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	4.04	.614	.554	8.20	.1182	.1111	.1055	.1010	.1244	.1177	.1121	.1076
.440	2.25	.715	.621	10.02	.1015	.0931	.0866	.0813	.1095	.1011	.0946	.0893
.480	1.14	.863	.671	10.44	.0956	.0872	.0805	.0752	.1040	.0955	.0889	.0835
.520	-.32	.966	.667	10.40	.0929	.0846	.0779	.0726	.1013	.0929	.0863	.0810
	-.37	.977	.693	10.48	.0911	.0826	.0760	.0707	.1005	.0910	.0844	.0790
	-1.00	.998	.752	10.52	.0942	.0857	.0790	.0736	.1026	.0941	.0874	.0820

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	3.04	.603	.554	9.51	.1022	.0942	.0878	.0820	.1099	.1011	.0954	.0904
.440	1.52	.712	.631	10.72	.0899	.0812	.0743	.0680	.0985	.0897	.0829	.0773
.480	.56	.817	.654	11.07	.0849	.0769	.0709	.0653	.0965	.0880	.0810	.0752
.520	-.02	.942	.527	11.32	.0809	.0737	.0679	.0624	.0941	.0859	.0787	.0730
	-.59	.971	.579	11.51	.0822	.0750	.0693	.0639	.1014	.0920	.0845	.0785
	-1.12	.991	.589	11.62	.0874	.0802	.0741	.0687	.1047	.0971	.0894	.0833

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	2.10	.602	.554	10.31	.0839	.0754	.0687	.0633	.0922	.0836	.0769	.0715
.440	.97	.820	.630	11.29	.0824	.0736	.0662	.0608	.0914	.0824	.0753	.0695
.480	.37	.880	.576	11.71	.0860	.0767	.0693	.0639	.0944	.0850	.0776	.0727
.520	-.25	.940	.565	12.04	.0908	.0809	.0731	.0674	.1005	.0906	.0829	.0765
	-.76	.973	.511	12.31	.0964	.0861	.0780	.0716	.1041	.0940	.0874	.0814
	-1.21	.994	.534	12.40	.1029	.0925	.0842	.0777	.1124	.1024	.0942	.0876

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NEG)	LP	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.400	1.52	.726	.571	10.91	.0764	.0675	.0606	.0550	.0851	.0763	.0693	.0637
.440	.67	.827	.584	11.61	.0807	.0715	.0642	.0583	.0900	.0808	.0735	.0676
.480	.17	.884	.531	12.05	.0864	.0770	.0694	.0632	.0964	.0867	.0790	.0728
.520	-.42	.940	.524	12.43	.0941	.0839	.0757	.0692	.1041	.0937	.0856	.0791
	-.80	.975	.501	12.67	.1009	.0902	.0817	.0750	.1110	.1003	.0919	.0851
	-1.29	.998	.547	12.81	.1073	.0964	.0876	.0810	.1175	.1066	.0981	.0912

RESISTANCE DATA SERIES 65-A MODFL 5249

LP/PPX = 4.66

DEADWISE ANGLE = 14.0 DEG

PMV = 2.50

WEIGHT = LIFT (Lb, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	5.11	.616	.611	5.32	.1457	.1347	.1332	.1288	.1524	.1454	.1399	.1359
.400	4.80	.646	.627	5.49	.1430	.1358	.1302	.1256	.1499	.1427	.1370	.1328
.440	3.19	.755	.644	6.02	.1351	.1263	.1193	.1130	.1434	.1350	.1280	.1224
.480	1.30	.924	.769	8.31	.1129	.1227	.1146	.1081	.1433	.1330	.1249	.1185
.520	-1.40	.995	.894	9.07	.1467	.1359	.1273	.1204	.1540	.1472	.1386	.1316

LP/V(1/3) = 7.5 LP (FT) = 19.7 40.4 87.0 187.5 19.7 40.4 87.0 187.5

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	5.03	.595	.564	5.66	.1422	.1344	.1289	.1243	.1493	.1419	.1360	.1313
.400	3.50	.642	.627	6.49	.1309	.1224	.1156	.1102	.1393	.1307	.1239	.1185
.440	2.35	.741	.669	7.02	.1279	.1179	.1101	.1034	.1378	.1278	.1200	.1137
.480	.50	.966	.759	9.04	.1333	.1220	.1134	.1064	.1443	.1333	.1247	.1177
.520	-1.65	.992	.967	10.13	.1449	.1324	.1233	.1156	.1576	.1455	.1359	.1283

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	4.04	.607	.557	6.52	.1307	.1222	.1155	.1102	.1388	.1304	.1237	.1184
.400	2.64	.710	.616	7.93	.1235	.1134	.1060	.0996	.1337	.1237	.1159	.1095
.440	1.34	.947	.672	9.12	.1233	.1121	.1037	.0962	.1347	.1235	.1147	.1076
.480	.19	.960	.751	10.23	.1290	.1164	.1071	.0993	.1418	.1296	.1199	.1121
.520	-1.74	.987	.858	11.19	.1405	.1274	.1170	.1086	.1546	.1414	.1310	.1226

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.63	.536	.473	5.76	.1279	.1203	.1144	.1096	.1351	.1275	.1215	.1168
.360	3.14	.644	.547	7.44	.1222	.1127	.1052	.0992	.1315	.1220	.1145	.1085
.400	2.00	.737	.619	9.16	.1196	.1043	.0943	.0921	.1311	.1197	.1107	.1035
.440	1.11	.874	.666	10.54	.1195	.1064	.0967	.0886	.1327	.1199	.1099	.1018
.480	-0.07	.951	.774	11.50	.1260	.1124	.1017	.0930	.1403	.1264	.1160	.1074
.520	-1.86	.944	.873	12.14	.1405	.1264	.1153	.1063	.1547	.1416	.1304	.1214

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.72	.562	.469	6.43	.1211	.1128	.1062	.1010	.1292	.1208	.1143	.1090
.360	2.39	.666	.563	8.90	.1182	.1071	.0983	.0913	.1294	.1192	.1095	.1024
.400	1.31	.747	.614	10.67	.1147	.1052	.0950	.0867	.1315	.1196	.1083	.1001
.440	.33	.844	.674	11.79	.1214	.1078	.0967	.0874	.1366	.1226	.1115	.1025
.480	-1.33	.950	.794	12.70	.1247	.1140	.1023	.0924	.1446	.1294	.1181	.1087
.520	-1.09	.946	.850	13.37	.1423	.1270	.1148	.1050	.1590	.1437	.1315	.1217

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.94	.548	.491	7.84	.1144	.1049	.0970	.0907	.1246	.1147	.1060	.1005
.360	1.71	.709	.568	10.49	.1147	.1018	.0916	.0835	.1278	.1149	.1044	.0966
.400	.77	.824	.609	11.86	.1173	.1031	.0919	.0824	.1321	.1179	.1067	.0977
.440	.03	.934	.649	13.01	.1216	.1064	.0943	.0846	.1379	.1227	.1106	.1009
.480	-1.57	.954	.744	13.92	.1299	.1124	.1001	.0894	.1462	.1302	.1175	.1072
.520	-1.11	.949	.775	14.58	.1497	.1240	.1108	.1001	.1549	.1422	.1290	.1183

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.8 116.0 249.9 25.0 57.8 116.0 249.9

LCG LB	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.27	.619	.504	9.52	.1115	.0994	.0902	.0827	.1234	.1115	.1021	.0946
.360	1.14	.744	.565	11.66	.1151	.1011	.0899	.0810	.1297	.1156	.1045	.0956
.400	.42	.837	.600	12.94	.1210	.1056	.0934	.0836	.1372	.1214	.1097	.0999
.440	-1.21	.910	.625	14.14	.1274	.1109	.0977	.0877	.1451	.1286	.1155	.1049
.480	-1.73	.961	.637	15.04	.1363	.1189	.1051	.0940	.1551	.1377	.1239	.1124
.520	-1.21	.944	.624	15.62	.1483	.1302	.1159	.1044	.1678	.1494	.1354	.1239

RESISTANCE DATA

SERIES 63-A

MODEL 5249

LP/DPX = 4.66

DEADRISE ANGLE = 14.8 DEG

FNV = 3.00

WEIGHT = LIFT (1.5, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5 LP (FT) = 10.7 40.4 87.0 187.5 10.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.81	.512	.472	4.66	.1074	.0906	.0917	.0862	.1158	.1070	.1001	.0946
.360	2.78	.579	.515	5.54	.1156	.1054	.0974	.0909	.1256	.1194	.1073	.1009
.400	1.67	.678	.563	6.50	.1284	.1164	.1075	.1001	.1401	.1294	.1192	.1118
.440	.04	.824	.664	7.80	.1500	.1365	.1258	.1172	.1640	.1505	.1399	.1313
.480	-1.99	.687	.898	10.73	.2405	.2309	.2169	.2057	.2671	.2495	.2355	.2243

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	5.00	.446	.442	4.65	.1379	.1292	.1223	.1168	.1463	.1375	.1306	.1251
.360	3.67	.582	.522	5.87	.1214	.1111	.1027	.0960	.1323	.1217	.1133	.1065
.400	2.74	.653	.576	6.87	.1229	.1207	.1111	.1034	.1453	.1331	.1235	.1157
.440	2.00	.724	.621	7.73	.1474	.1339	.1233	.1147	.1613	.1479	.1372	.1286
.480	1.15	.847	.665	8.71	.1584	.1436	.1318	.1224	.1740	.1592	.1475	.1381

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.74	.493	.432	5.05	.1461	.1367	.1293	.1234	.1552	.1458	.1384	.1325
.360	3.50	.589	.512	6.50	.1426	.1309	.1217	.1143	.1542	.1426	.1334	.1268
.400	2.64	.669	.575	7.71	.1447	.1312	.1206	.1120	.1586	.1451	.1344	.1259
.440	1.87	.757	.630	8.90	.1505	.1353	.1232	.1135	.1665	.1513	.1392	.1295
.480	1.16	.850	.670	10.02	.1593	.1425	.1292	.1185	.1773	.1605	.1472	.1365
.520	.50	.950	.721	11.12	.1704	.1521	.1376	.1259	.1904	.1722	.1576	.1459

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.81	.517	.432	6.01	.1484	.1298	.1211	.1142	.1516	.1406	.1319	.1250
.360	2.77	.610	.512	7.65	.1372	.1237	.1131	.1045	.1510	.1375	.1260	.1182
.400	2.00	.692	.576	9.04	.1382	.1226	.1103	.1004	.1544	.1389	.1266	.1167
.440	1.18	.805	.625	10.52	.1484	.1307	.1167	.1054	.1673	.1496	.1356	.1244
.480	.50	.894	.673	11.74	.1607	.1414	.1261	.1137	.1818	.1625	.1472	.1348
.520	-1.18	.962	.756	13.00	.1674	.1464	.1297	.1162	.1988	.1698	.1531	.1396

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.95	.545	.445	7.39	.1289	.1156	.1052	.0968	.1421	.1289	.1185	.1101
.360	2.00	.644	.527	9.35	.1294	.1137	.1009	.0906	.1467	.1305	.1177	.1074
.400	1.24	.742	.575	10.77	.1421	.1239	.1095	.0979	.1614	.1433	.1289	.1172
.440	.50	.838	.624	12.11	.1581	.1381	.1222	.1094	.1790	.1599	.1440	.1312
.480	-1.13	.912	.697	13.34	.1648	.1432	.1260	.1122	.1888	.1672	.1500	.1362
.520	-1.74	.970	.754	14.41	.1802	.1572	.1389	.1241	.2062	.1832	.1648	.1501

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.40	.567	.453	8.82	.1269	.1114	.0991	.0892	.1428	.1272	.1150	.1051
.360	1.56	.665	.519	10.61	.1391	.1210	.1066	.0951	.1582	.1401	.1257	.1142
.400	.75	.770	.574	12.12	.1593	.1392	.1232	.1103	.1811	.1610	.1450	.1321
.440	.08	.859	.644	13.58	.1703	.1482	.1307	.1165	.1947	.1726	.1551	.1409
.480	-1.48	.928	.699	14.85	.1796	.1559	.1370	.1217	.2063	.1826	.1637	.1484
.520	-1.00	.977	.712	15.84	.1962	.1711	.1511	.1349	.2247	.1996	.1796	.1634

RESISTANCE DATA

SERIES 65-A

MODEL 5249

LP/RPX = 4.66

DEADRISE ANGLE = 14.8 DEG

FNØ = 3.50

WRIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.5

LP (FT) = 23.7

51.2

110.2

237.4

23.7

51.2

110.2

237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.37	.539	.418	7.07	.1487	.1320	.1188	.1082	.1659	.1492	.1360	.1254
.360	1.69	.623	.477	8.50	.1592	.1396	.1240	.1115	.1800	.1604	.1448	.1323
.400	1.27	.707	.539	9.92	.1701	.1478	.1300	.1157	.1944	.1721	.1543	.1400
.440	.50	.781	.581	11.19	.1832	.1585	.1388	.1229	.2106	.1859	.1662	.1503
.480	.56	.773	.576	11.06	.1829	.1584	.1389	.1232	.2099	.1855	.1660	.1503
.520	.08	.835	.620	12.06	.1872	.1609	.1400	.1231	.2167	.1905	.1695	.1526

LP/V(1/3) = 10.0

LP (FT) = 25.0

53.8

116.0

249.9

25.0

53.8

116.0

249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.72	.544	.402	7.74	.1570	.1399	.1263	.1154	.1747	.1576	.1441	.1332
.360	2.00	.625	.471	8.97	.1649	.1444	.1281	.1150	.1869	.1664	.1501	.1370
.400	1.79	.711	.531	10.71	.1777	.1538	.1349	.1196	.2039	.1801	.1611	.1458
.440	.85	.791	.587	12.32	.1933	.1664	.1451	.1278	.2235	.1966	.1752	.1580
.480	.43	.858	.632	13.59	.2067	.1775	.1543	.1355	.2400	.2108	.1875	.1688
.520	.05	.911	.663	14.48	.2129	.1822	.1577	.1379	.2484	.2176	.1931	.1733

RESISTANCE DATA SERIES 65-A MODEL 5249

LP/PPX = 4.66

DEADRISE ANGLE = 14.8 DEG

FN0 = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1001 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRTH (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.47	.540	.797	8.08	.2035	.1793	.1601	.1446	.2294	.2051	.1859	.1704
.360	.84	.618	.449	9.50	.2136	.1859	.1638	.1460	.2439	.2162	.1942	.1764
.400	.26	.697	.503	10.73	.2273	.1967	.1723	.1526	.2616	.2310	.2066	.1869
.440	-.24	.745	.560	11.77	.2491	.2161	.1898	.1686	.2868	.2538	.2275	.2062
.480	-.82	.792	.624	12.61	.2824	.2480	.2203	.1979	.3231	.2884	.2606	.2382
.520	-1.35	.826	.695	13.23	.3331	.2971	.2684	.2452	.3754	.3385	.3107	.2875

RESISTANCE DATA					SLOPE 85-8		MONFL 9104	
LP/HPX = 4.64					DEADWEIGHT ANGLE = 78.5 DEG		FND = 1.04	
HEIGHT = LIFT (LN, TRANSFORM) = 100 1000 10000 100000 1000 10000 100000 100000								
LP/VE(1/3) = 4.0					LP (FT) = 15.0 32.3 69.6 136.0		15.0 32.3 69.6 136.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	2.35	.710	.674	6.74	.0304	.0379	.0369	.0397
.360	2.81	.742	.698	6.74	.0304	.0382	.0371	.0397
.400	3.28	.764	.704	6.74	.0304	.0382	.0370	.0397
.440	3.75	.786	.726	6.74	.0304	.0382	.0370	.0397
.480	4.22	.808	.748	6.74	.0304	.0382	.0370	.0397
.520	4.69	.830	.770	6.74	.0304	.0382	.0371	.0397
LP/VE(1/3) = 6.5								
LP (FT) = 16.2 35.0 75.4 142.5					16.2 35.0 75.4 142.5			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	2.67	.777	.691	7.40	.0462	.0463	.0429	.0417
.360	3.24	.807	.717	7.40	.0462	.0463	.0429	.0417
.400	3.81	.837	.747	7.40	.0462	.0463	.0429	.0417
.440	4.38	.867	.777	7.40	.0462	.0463	.0429	.0417
.480	4.95	.897	.807	7.40	.0462	.0463	.0429	.0417
.520	5.52	.927	.837	7.40	.0462	.0463	.0429	.0417
LP/VE(1/3) = 7.0								
LP (FT) = 17.5 37.7 81.2 175.0					17.5 37.7 81.2 175.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	2.89	.859	.672	6.90	.0436	.0417	.0403	.0392
.360	3.46	.889	.692	6.90	.0436	.0417	.0403	.0392
.400	4.03	.919	.712	6.90	.0436	.0417	.0403	.0392
.440	4.60	.949	.732	6.90	.0436	.0417	.0403	.0392
.480	5.17	.979	.752	6.90	.0436	.0417	.0403	.0392
.520	5.74	1.009	.772	6.90	.0436	.0417	.0403	.0392
LP/VE(1/3) = 7.5								
LP (FT) = 18.7 40.4 97.0 187.5					18.7 40.4 97.0 187.5			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	3.11	.933	.777	7.22	.0464	.0426	.0413	.0402
.360	3.68	.963	.797	7.22	.0464	.0426	.0413	.0402
.400	4.25	.993	.817	7.22	.0464	.0426	.0413	.0402
.440	4.82	.1.023	.837	7.22	.0464	.0426	.0413	.0402
.480	5.39	.1.053	.857	7.22	.0464	.0426	.0413	.0402
.520	5.96	.1.083	.877	7.22	.0464	.0426	.0413	.0402
LP/VE(1/3) = 8.0								
LP (FT) = 20.0 43.1 97.0 200.0					20.0 43.1 97.0 200.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	3.33	.969	.811	7.20	.0436	.0416	.0402	.0391
.360	3.90	.999	.831	7.20	.0436	.0416	.0402	.0391
.400	4.47	.1.029	.851	7.20	.0436	.0416	.0402	.0391
.440	5.04	.1.059	.871	7.20	.0436	.0416	.0402	.0391
.480	5.61	.1.089	.891	7.20	.0436	.0416	.0402	.0391
.520	6.18	.1.119	.911	7.20	.0436	.0416	.0402	.0391
LP/VE(1/3) = 8.5								
LP (FT) = 21.7 45.4 99.6 212.5					21.7 45.4 99.6 212.5			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	3.55	.993	.825	7.20	.0436	.0416	.0402	.0391
.360	4.12	.1.023	.845	7.20	.0436	.0416	.0402	.0391
.400	4.69	.1.053	.865	7.20	.0436	.0416	.0402	.0391
.440	5.26	.1.083	.885	7.20	.0436	.0416	.0402	.0391
.480	5.83	.1.113	.905	7.20	.0436	.0416	.0402	.0391
.520	6.40	.1.143	.925	7.20	.0436	.0416	.0402	.0391
LP/VE(1/3) = 9.0								
LP (FT) = 22.5 48.5 104.4 225.0					22.5 48.5 104.4 225.0			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	3.77	.1.017	.855	7.64	.0423	.0404	.0390	.0379
.360	4.34	.1.047	.875	7.64	.0423	.0404	.0390	.0379
.400	4.91	.1.077	.895	7.64	.0423	.0404	.0390	.0379
.440	5.48	.1.107	.915	7.64	.0423	.0404	.0390	.0379
.480	6.05	.1.137	.935	7.64	.0423	.0404	.0390	.0379
.520	6.62	.1.167	.955	7.64	.0423	.0404	.0390	.0379
LP/VE(1/3) = 9.5								
LP (FT) = 23.7 51.2 110.2 237.4					23.7 51.2 110.2 237.4			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	3.99	.1.041	.879	7.81	.0424	.0404	.0390	.0379
.360	4.56	.1.071	.899	7.81	.0424	.0404	.0390	.0379
.400	5.13	.1.101	.919	7.81	.0424	.0404	.0390	.0379
.440	5.70	.1.131	.939	7.81	.0424	.0404	.0390	.0379
.480	6.27	.1.161	.959	7.81	.0424	.0404	.0390	.0379
.520	6.84	.1.191	.979	7.81	.0424	.0404	.0390	.0379
LP/VE(1/3) = 10.0								
LP (FT) = 25.0 53.4 116.0 249.9					25.0 53.4 116.0 249.9			
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	V(12/3)				
.320	4.21	.1.065	.901	7.98	.0425	.0404	.0390	.0379
.360	4.78	.1.095	.921	7.98	.0425	.0404	.0390	.0379
.400	5.35	.1.125	.941	7.98	.0425	.0404	.0390	.0379
.440	5.92	.1.155	.961	7.98	.0425	.0404	.0390	.0379
.480	6.49	.1.185	.981	7.98	.0425	.0404	.0390	.0379
.520	7.06	.1.215	.1.001	7.98	.0425	.0404	.0390	.0379

RESISTANCE DATA					SERIES AS-A		MODEL 5194					
LP/PPV = 4.66					WINGSPAN ANGLE = 20.4 DEG		FNU = 1.24					
WEIGHT = LIFT (LW, STANWTR) = 1000 10000 100000 1000000 1000 10000 100000 1000000												
LP/ST(1/3) = 4.0					LP (FT) = 19.0 77.3 44.6 150.0		19.0 77.3 44.6 150.0					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.480	3.97	.970	.749	7.26	.0937	.0910	.0884	.0873	.0960	.0932	.0912	.0895
.440	.97	.994	.676	6.46	.0750	.0726	.0707	.0692	.0770	.0746	.0727	.0712
.400	-.93	1.000	.525	5.13	.0747	.0724	.0706	.0692	.0766	.0743	.0725	.0711
.320	-2.35	1.000	.344	3.33	.0625	.0605	.0589	.0577	.0662	.0642	.0626	.0614
LP/ST(1/3) = 4.5					LP (FT) = 16.2 35.0 75.4 162.5		16.2 35.0 75.4 162.5					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.480	1.77	.966	.623	7.27	.0716	.0690	.0669	.0652	.0739	.0712	.0691	.0675
.440	.37	.997	.484	6.76	.0607	.0580	.0561	.0543	.0626	.0605	.0588	.0574
.400	-1.12	1.000	.464	6.11	.0556	.0533	.0516	.0501	.0575	.0552	.0535	.0520
.320	-2.51	1.000	.370	4.76	.0709	.0689	.0673	.0661	.0725	.0705	.0689	.0677
LP/ST(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0		17.5 37.7 81.2 175.0					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.480	2.65	.969	.613	7.77	.0772	.0746	.0721	.0706	.0796	.0768	.0746	.0728
.440	1.12	.966	.480	7.12	.0666	.0639	.0617	.0601	.0687	.0660	.0640	.0623
.400	-.36	.997	.460	7.07	.0545	.0519	.0499	.0483	.0567	.0541	.0521	.0505
.320	-1.51	.999	.484	6.33	.0551	.0528	.0509	.0495	.0571	.0548	.0529	.0515
.320	-2.66	1.000	.334	5.47	.0625	.0606	.0590	.0575	.0662	.0642	.0625	.0612
LP/ST(1/3) = 7.5					LP (FT) = 16.7 40.4 87.9 187.5		16.7 40.4 87.9 187.5					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.62	.772	.512	7.45	.0807	.0779	.0750	.0740	.0830	.0803	.0779	.0764
.360	1.73	.905	.422	7.20	.0675	.0648	.0627	.0611	.0697	.0671	.0650	.0633
.400	.62	.977	.374	7.12	.0566	.0539	.0517	.0501	.0586	.0560	.0539	.0523
.440	-.70	.992	.371	7.01	.0577	.0551	.0531	.0515	.0599	.0573	.0553	.0537
.480	-1.75	.999	.340	6.10	.0605	.0582	.0565	.0550	.0636	.0611	.0593	.0579
.520	-2.77	.997	.285	4.46	.0550	.0531	.0517	.0506	.0594	.0566	.0547	.0532
LP/ST(1/3) = 8.0					LP (FT) = 20.0 43.1 92.0 200.0		20.0 43.1 92.0 200.0					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.67	.814	.366	7.83	.0846	.0817	.0787	.0780	.0876	.0847	.0819	.0804
.360	1.00	.920	.315	6.86	.0706	.0678	.0649	.0633	.0715	.0688	.0660	.0645
.400	-.09	.976	.319	7.20	.0607	.0580	.0566	.0550	.0615	.0589	.0568	.0552
.440	-1.09	.990	.281	6.45	.0639	.0615	.0596	.0579	.0651	.0626	.0605	.0589
.480	-1.89	.992	.225	4.81	.0637	.0615	.0598	.0585	.0655	.0633	.0615	.0603
.520	-2.70	.996	.187	4.12	.0645	.0620	.0607	.0596	.0666	.0642	.0626	.0610
LP/ST(1/3) = 8.5					LP (FT) = 21.2 45.0 94.6 212.5		21.2 45.0 94.6 212.5					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.77	.863	.279	6.66	.0807	.0783	.0763	.0750	.0840	.0816	.0796	.0780
.360	.59	.924	.271	6.80	.0631	.0606	.0586	.0570	.0653	.0627	.0607	.0591
.400	-.62	.977	.265	7.29	.0646	.0627	.0606	.0590	.0677	.0650	.0629	.0612
.440	-1.73	.994	.226	6.71	.0611	.0590	.0576	.0562	.0642	.0620	.0600	.0583
.480	-2.81	.990	.151	5.40	.0601	.0581	.0566	.0553	.0619	.0598	.0577	.0560
.520	-2.76	.991	.093	3.73	.0636	.0620	.0608	.0598	.0665	.0641	.0620	.0601
LP/ST(1/3) = 9.0					LP (FT) = 22.4 44.4 104.4 225.0		22.4 44.4 104.4 225.0					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.77	.865	.266	6.68	.0801	.0777	.0758	.0743	.0831	.0807	.0788	.0772
.360	.23	.920	.236	7.19	.0606	.0580	.0560	.0544	.0619	.0592	.0570	.0554
.400	-.66	.979	.219	7.34	.0627	.0606	.0585	.0569	.0646	.0619	.0598	.0582
.440	-1.36	.994	.160	6.49	.0605	.0581	.0562	.0547	.0619	.0591	.0570	.0554
.480	-2.63	.994	.106	5.24	.0377	.0352	.0337	.0325	.0370	.0349	.0331	.0314
.520	-2.67	.996	.029	3.61	.0796	.0781	.0770	.0762	.0806	.0792	.0782	.0773
LP/ST(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4		23.7 51.2 110.2 237.4					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.07	.876	.225	6.41	.0827	.0803	.0785	.0770	.0867	.0842	.0825	.0810
.360	-.24	.937	.197	7.40	.0645	.0619	.0596	.0580	.0664	.0638	.0619	.0603
.400	-.87	.979	.154	7.37	.0604	.0581	.0561	.0545	.0611	.0586	.0567	.0551
.440	-1.41	.987	.117	6.45	.0555	.0532	.0513	.0498	.0574	.0552	.0533	.0517
.480	-2.07	.987	.069	5.12	.0346	.0324	.0311	.0299	.0360	.0342	.0327	.0315
.520	-2.51	.946	.010	3.64	.0566	.0550	.0540	.0531	.0575	.0562	.0551	.0543
LP/ST(1/3) = 10.0					LP (FT) = 25.0 57.0 116.0 240.0		25.0 57.0 116.0 240.0					
LCG LP	TRIM (DEG)	LW LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	.65	.863	.199	6.76	.0801	.0786	.0767	.0751	.0832	.0807	.0789	.0774
.360	-.26	.960	.193	7.74	.0505	.0486	.0466	.0451	.0519	.0491	.0474	.0459
.400	-.87	.979	.167	7.74	.0569	.0546	.0525	.0509	.0566	.0543	.0524	.0508
.440	-1.47	.956	.076	6.27	.0519	.0496	.0478	.0463	.0534	.0515	.0497	.0481
.480	-2.07	.948	.017	4.94	.0315	.0297	.0282	.0271	.0338	.0312	.0294	.0280
.520	-2.46	.944	.016	3.71	.0776	.0761	.0752	.0743	.0786	.0774	.0764	.0755

RESISTANCE DATA												
SERIES 64-A					MODEL 5199							
LP/PM = 6.64					DEPARTURE ANGLE = 20.9 DEG							
					FNU = 1.90							
WEIGHT = LIFT (LB, TANKAGE) = 1000 10000 100000 1000000 1000 10000 100000 1000000												
LP/W(1/3) = 6.3					LP (FT) = 14.9 37.3 69.6 150.0 15.0 72.3 69.6 150.0							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.47	.899	.644	6.42	.1170	.1097	.1071	.1050	.1174	.1125	.1100	.1079
.440	2.14	.900	.647	6.48	.1051	.0976	.0949	.0929	.1051	.1006	.0980	.0960
.480	.46	.906	.647	6.57	.0964	.0913	.0888	.0869	.0971	.0943	.0915	.0896
.520	-1.16	1.000	.644	6.60	.1010	.0941	.0916	.0896	.1035	.1006	.0980	.0960
LP/W(1/3) = 6.4					LP (FT) = 16.2 39.8 75.6 162.5 16.2 75.6 75.6 162.5							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.70	.926	.649	7.22	.0990	.0902	.0873	.0850	.0971	.0936	.0906	.0883
.440	1.20	.907	.647	7.14	.0887	.0802	.0772	.0750	.0889	.0853	.0824	.0802
.480	-.10	1.000	.640	7.37	.0830	.0769	.0739	.0716	.0835	.0805	.0776	.0757
.520	-1.35	1.000	.640	7.44	.0910	.0840	.0810	.0789	.0909	.0879	.0851	.0832
LP/W(1/3) = 7.0					LP (FT) = 17.5 37.7 61.2 179.0 17.5 37.7 61.2 179.0							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.32	.912	.640	7.56	.0960	.0821	.0801	.0787	.0904	.0855	.0829	.0801
.440	1.75	.930	.640	7.74	.0832	.0743	.0712	.0690	.0807	.0758	.0737	.0713
.480	-.51	.991	.640	7.81	.0763	.0722	.0695	.0671	.0797	.0750	.0729	.0705
.520	-1.41	.990	.644	7.89	.0764	.0724	.0691	.0677	.0777	.0741	.0713	.0690
LP/W(1/3) = 7.5					LP (FT) = 18.7 40.4 47.8 187.5 18.7 40.4 47.8 187.5							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.23	.908	.642	8.01	.0959	.0817	.0800	.0787	.0904	.0848	.0820	.0790
.440	1.75	.930	.640	8.19	.0875	.0736	.0716	.0702	.0912	.0872	.0840	.0814
.480	-.51	.991	.640	8.37	.0765	.0676	.0645	.0622	.0880	.0841	.0810	.0785
.520	-1.41	.990	.644	8.45	.0764	.0676	.0645	.0622	.0879	.0840	.0810	.0785
LP/W(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.21	.907	.640	8.43	.0900	.0756	.0737	.0724	.0839	.0809	.0784	.0763
.440	1.67	.904	.640	8.61	.0879	.0736	.0717	.0702	.0832	.0803	.0778	.0757
.480	-.57	.991	.640	8.79	.0769	.0676	.0645	.0622	.0779	.0749	.0724	.0703
.520	-1.41	.991	.644	8.87	.0769	.0676	.0645	.0622	.0779	.0749	.0724	.0703
LP/W(1/3) = 8.5					LP (FT) = 21.7 45.0 98.0 212.5 21.2 45.0 98.0 212.5							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.21	.907	.640	8.85	.0832	.0693	.0674	.0661	.0807	.0768	.0746	.0722
.440	1.75	.908	.640	9.03	.0730	.0641	.0610	.0587	.0762	.0726	.0707	.0674
.480	-.57	.991	.640	9.21	.0664	.0575	.0544	.0521	.0680	.0640	.0614	.0591
.520	-1.41	.991	.644	9.29	.0664	.0575	.0544	.0521	.0680	.0640	.0614	.0591
LP/W(1/3) = 9.0					LP (FT) = 22.5 46.4 104.4 225.0 22.5 46.4 104.4 225.0							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.21	.907	.640	9.27	.0749	.0610	.0591	.0578	.0700	.0670	.0645	.0620
.440	1.75	.908	.640	9.45	.0647	.0558	.0527	.0504	.0671	.0641	.0616	.0591
.480	-.57	.991	.640	9.63	.0579	.0490	.0459	.0436	.0609	.0579	.0554	.0529
.520	-1.41	.991	.644	9.71	.0579	.0490	.0459	.0436	.0609	.0579	.0554	.0529
LP/W(1/3) = 9.5					LP (FT) = 23.7 48.0 110.2 237.4 23.7 48.0 110.2 237.4							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.21	.907	.640	9.69	.0666	.0527	.0508	.0495	.0622	.0592	.0568	.0543
.440	1.75	.908	.640	9.87	.0563	.0474	.0443	.0420	.0580	.0550	.0526	.0501
.480	-.57	.991	.640	10.05	.0495	.0406	.0375	.0352	.0518	.0488	.0464	.0439
.520	-1.41	.991	.644	10.13	.0495	.0406	.0375	.0352	.0518	.0488	.0464	.0439
LP/W(1/3) = 10.0					LP (FT) = 25.0 50.0 116.0 249.9 25.0 50.0 116.0 249.9							
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	W(1/3)								
.400	3.16	.909	.640	10.07	.0601	.0462	.0443	.0430	.0533	.0503	.0478	.0453
.440	1.75	.910	.640	10.25	.0499	.0410	.0379	.0356	.0461	.0431	.0406	.0381
.480	-.57	.991	.640	10.43	.0431	.0342	.0311	.0288	.0395	.0365	.0340	.0315
.520	-1.41	.991	.644	10.51	.0431	.0342	.0311	.0288	.0395	.0365	.0340	.0315

RESISTANCE DATA					SERIES 65-A		MODEL 4194					
LP/DPH = 4.44					HEARTISE ANGLE = 29.5 DEG		FW = 1.74					
WRIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1070 10700 107000 1000000												
LP/W(1/3) = 4.0					LP (FT) = 14.0		32.7 69.4 150.0 15.0 32.7 69.4 150.0					
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.420	4.62	.036	.064	6.41	.1230	.1196	.1163	.1130	.1274	.1233	.1200	.1174
.440	2.67	.079	.709	6.44	.1119	.1070	.1034	.1000	.1159	.1111	.1076	.1046
.460	.64	.096	.500	6.46	.1027	.0966	.0924	.0890	.1063	.1023	.0981	.0946
.520	-1.22	1.050	.649	6.49	.1152	.1110	.1069	.1035	.1194	.1149	.1110	.1076
LP/W(1/3) = 4.4									LP (FT) = 14.2 35.0 70.4 162.0 16.2 35.0 70.4 162.0			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.400	3.02	.082	.654	7.05	.1040	.1033	.0996	.0966	.1124	.1076	.1039	.1009
.440	1.67	.071	.656	7.14	.0977	.0938	.0892	.0862	.1021	.0973	.0936	.0906
.480	.12	.090	.537	6.54	.0904	.0810	.0875	.0847	.0994	.0946	.0915	.0887
.520	-1.74	1.000	.564	6.44	.1044	.1006	.0972	.0945	.1099	.1049	.1011	.0984
LP/W(1/3) = 7.0									LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.460	3.97	.774	.670	6.42	.1130	.1090	.1053	.1026	.1170	.1131	.1096	.1066
.480	2.01	.913	.626	7.70	.0931	.0880	.0839	.0807	.0974	.0927	.0887	.0854
.480	.01	.077	.941	7.82	.0900	.0840	.0800	.0779	.0940	.0896	.0854	.0823
.480	-1.32	.097	.647	7.23	.0879	.0830	.0792	.0762	.0923	.0875	.0837	.0808
.520	-1.34	1.050	.344	6.32	.0904	.0861	.0827	.0800	.0953	.0908	.0866	.0839
LP/W(1/3) = 7.4									LP (FT) = 14.7 40.4 87.0 107.5 10.7 40.4 87.0 107.5			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	2.60	.019	.502	7.44	.0941	.0900	.0866	.0833	.0990	.0950	.0915	.0882
.400	1.31	.029	.570	8.45	.0876	.0820	.0776	.0742	.0892	.0852	.0820	.0789
.440	.24	.079	.697	8.16	.0825	.0771	.0729	.0699	.0849	.0811	.0778	.0746
.480	-.53	.092	.609	7.40	.0816	.0766	.0726	.0696	.0846	.0811	.0777	.0741
.520	-1.44	.999	.767	6.71	.0824	.0807	.0784	.0762	.0915	.0875	.0842	.0815
LP/W(1/3) = 8.0									LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.94	.714	.522	7.69	.0993	.0961	.0930	.0907	.1060	.1020	.0987	.0954
.360	1.04	.044	.530	8.67	.0805	.0780	.0753	.0727	.0880	.0841	.0816	.0788
.400	.00	.027	.675	8.62	.0821	.0795	.0769	.0744	.0897	.0857	.0833	.0807
.440	-1.10	.071	.570	8.29	.0771	.0741	.0716	.0692	.0845	.0807	.0783	.0759
.480	-.06	.090	.247	7.09	.0796	.0767	.0740	.0715	.0868	.0830	.0805	.0782
.520	-1.56	.993	.215	5.99	.0807	.0842	.0810	.0785	.0938	.0899	.0866	.0842
LP/W(1/3) = 8.5									LP (FT) = 21.2 45.0 90.6 212.5 21.2 45.0 90.6 212.5			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.67	.754	.914	8.76	.0890	.0837	.0791	.0755	.0908	.0861	.0825	.0788
.360	1.31	.055	.640	8.64	.0836	.0776	.0732	.0696	.0849	.0799	.0764	.0729
.400	.74	.079	.591	8.29	.0773	.0716	.0675	.0641	.0794	.0746	.0712	.0679
.440	-.30	.071	.271	7.06	.0745	.0696	.0654	.0622	.0775	.0727	.0701	.0669
.480	1.03	.097	.200	6.43	.0774	.0729	.0684	.0646	.0799	.0750	.0725	.0697
.520	-1.44	.991	.152	5.42	.0841	.0804	.0775	.0752	.0905	.0857	.0829	.0796
LP/W(1/3) = 9.0									LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.93	.766	.630	8.70	.0836	.0776	.0731	.0696	.0849	.0799	.0764	.0726
.360	.97	.051	.516	7.84	.0795	.0743	.0701	.0666	.0819	.0769	.0734	.0701
.400	.00	.029	.247	7.60	.0755	.0704	.0663	.0633	.0786	.0737	.0712	.0680
.440	-.53	.071	.291	7.31	.0747	.0694	.0657	.0629	.0782	.0733	.0708	.0674
.480	-1.17	.096	.167	6.13	.0764	.0724	.0682	.0646	.0799	.0750	.0725	.0703
.520	-1.72	.991	.094	6.41	.0811	.0774	.0742	.0711	.0864	.0814	.0782	.0751
LP/W(1/3) = 9.5									LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.46	.776	.298	7.99	.0781	.0730	.0682	.0649	.0802	.0757	.0737	.0705
.360	.70	.060	.212	7.81	.0770	.0721	.0674	.0646	.0799	.0754	.0737	.0707
.400	-.14	.073	.103	7.10	.0777	.0726	.0687	.0657	.0810	.0768	.0751	.0721
.440	-.74	.076	.144	6.77	.0771	.0720	.0680	.0642	.0793	.0749	.0732	.0703
.480	-1.20	.087	.094	6.66	.0774	.0730	.0684	.0646	.0799	.0752	.0732	.0704
.520	-1.00	.991	.047	6.43	.0790	.0744	.0704	.0672	.0825	.0776	.0753	.0724
LP/W(1/3) = 10.0									LP (FT) = 25.0 54.4 116.0 249.4 25.0 54.4 116.0 249.4			
LCG LP	TRIM (DEG)	LC LB	LC LB	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.17	.773	.191	6.15	.0757	.0715	.0662	.0636	.0789	.0743	.0720	.0694
.360	.70	.067	.191	6.28	.0760	.0717	.0674	.0647	.0799	.0750	.0732	.0706
.400	-.20	.074	.147	6.84	.0807	.0762	.0726	.0697	.0850	.0804	.0784	.0758
.440	-.96	.074	.112	6.40	.0807	.0765	.0732	.0700	.0850	.0804	.0781	.0754
.480	-1.38	.084	.084	6.28	.0801	.0764	.0730	.0707	.0850	.0804	.0781	.0754
.520	-1.00	.992	.110	6.04	.0804	.0777	.0746	.0730	.0873	.0829	.0806	.0783

RESISTANCE DATA SERIES 65-4 MOD'L 5194

LP/HPX = 4.66 OFW/ISE ANGLE = 29.5 DEG FWD = 2.80

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 10⁷ 10⁸ 1000000 10¹⁰0000

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.97	.923	.664	6.75	.1324	.1279	.1232	.1196	.1374	.1329	.1282	.1246
.400	.74	1.000	.582	5.82	.1174	.1123	.1083	.1047	.1220	.1170	.1130	.1090
.520	-1.49	1.000	.634	4.70	.1483	.1362	.1330	.1304	.1442	.1401	.1360	.1322

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.97	.917	.687	6.54	.1308	.1263	.1219	.1182	.1367	.1325	.1280	.1244
.400	1.04	.951	.661	5.72	.1135	.1076	.1027	.0985	.1192	.1131	.1086	.1046
.520	.21	.997	.537	4.56	.1095	.1030	.0994	.0959	.1147	.1091	.1057	.1011
.520	-1.43	1.000	.719	6.53	.1274	.1224	.1181	.1140	.1370	.1326	.1283	.1240

LP/V(1/3) = 7.0 LP (FT) = 17.4 37.7 81.2 175.0 17.4 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.67	.849	.689	7.40	.1096	.1030	.0980	.0940	.1154	.1090	.1040	.1000
.400	.97	.966	.631	7.90	.1023	.0956	.0907	.0865	.1074	.1020	.0967	.0925
.520	-.22	.999	.580	7.20	.1024	.0967	.0915	.0874	.1063	.1022	.0975	.0934
.520	-1.37	1.000	.407	6.66	.1215	.1154	.1114	.1074	.1260	.1212	.1167	.1131

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.8 197.5 18.7 40.4 87.8 197.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.23	.784	.629	7.14	.1073	.1011	.0962	.0923	.1130	.1064	.1020	.0981
.400	1.52	.901	.612	8.77	.0981	.0912	.0856	.0815	.1024	.0957	.0914	.0874
.520	.63	.965	.563	8.61	.0999	.0930	.0871	.0830	.1040	.0977	.0934	.0894
.520	-.51	.991	.457	7.75	.0981	.0910	.0856	.0815	.1045	.0980	.0937	.0897
.520	-1.36	1.000	.387	6.51	.1140	.1074	.1030	.0984	.1192	.1136	.1092	.1057

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.4 200.0 20.0 43.1 92.4 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.50	.662	.480	7.30	.0961	.0909	.0852	.0812	.1024	.0957	.0914	.0874
.400	2.04	.819	.569	8.50	.0917	.0856	.0806	.0766	.0974	.0912	.0862	.0822
.520	.97	.909	.565	9.73	.0953	.0876	.0815	.0766	.0967	.0905	.0856	.0816
.520	.84	.962	.477	8.80	.0920	.0854	.0797	.0751	.0940	.0875	.0827	.0781
.520	-.73	.969	.361	7.78	.0971	.0906	.0854	.0813	.1014	.0948	.0896	.0855
.520	-1.45	.990	.287	6.50	.1102	.1046	.1003	.0960	.1154	.1098	.1055	.1014

LP/V(1/3) = 8.4 LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.41	.729	.490	8.10	.0956	.0896	.0831	.0780	.0981	.0912	.0862	.0822
.400	1.37	.849	.525	9.47	.0941	.0863	.0801	.0752	.0945	.0876	.0826	.0787
.520	.97	.906	.476	9.44	.0927	.0849	.0787	.0730	.0922	.0853	.0803	.0764
.520	-.24	.961	.371	8.64	.0916	.0844	.0787	.0741	.0935	.0863	.0816	.0771
.520	-.90	.966	.278	7.68	.0975	.0912	.0863	.0827	.1014	.0947	.0897	.0863
.520	-1.54	.992	.192	6.17	.1045	.1032	.0991	.0956	.1136	.1072	.1030	.0997

LP/V(1/3) = 8.8 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.94	.748	.485	9.20	.0921	.0846	.0785	.0736	.0947	.0872	.0822	.0781
.400	1.05	.833	.456	9.44	.0915	.0856	.0794	.0744	.0932	.0862	.0812	.0771
.520	.20	.936	.371	9.10	.0921	.0845	.0785	.0737	.0935	.0861	.0810	.0769
.520	-.45	.964	.273	8.20	.0927	.0856	.0803	.0749	.0933	.0864	.0814	.0773
.520	-1.14	.963	.196	6.92	.0964	.0930	.0894	.0847	.1045	.0977	.0927	.0886
.520	-1.61	.989	.135	5.40	.1075	.1020	.0991	.0962	.1114	.1072	.1035	.1000

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.46	.757	.414	9.34	.0909	.0831	.0770	.0721	.0904	.0836	.0784	.0745
.400	.81	.820	.356	9.40	.0934	.0850	.0789	.0741	.0927	.0852	.0802	.0762
.520	.81	.911	.271	8.52	.0941	.0869	.0813	.0767	.0930	.0856	.0806	.0765
.520	-.61	.966	.193	7.71	.0941	.0890	.0847	.0806	.0974	.0904	.0854	.0813
.520	-1.14	.982	.124	6.72	.1009	.0956	.0915	.0882	.1074	.1006	.0954	.0913
.520	-1.60	.997	.074	4.64	.1071	.1031	.0994	.0974	.1174	.1104	.1057	.1012

LP/V(1/3) = 10.0 LP (FT) = 24.0 53.4 116.0 240.0 24.0 53.4 116.0 240.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.10	.761	.312	9.40	.0908	.0832	.0776	.0730	.0924	.0852	.0804	.0760
.400	.45	.874	.283	8.30	.0954	.0874	.0820	.0774	.0971	.0901	.0850	.0802
.520	-.14	.917	.197	8.00	.0960	.0922	.0884	.0847	.1044	.0974	.0924	.0884
.520	-.74	.966	.134	7.04	.1015	.0956	.0904	.0872	.1072	.1011	.0960	.0920
.520	-1.24	.992	.074	5.67	.1039	.0993	.0957	.0927	.1143	.1077	.1030	.0991
.520	-1.74	.998	.014	3.44	.1074	.1041	.1015	.0994	.1194	.1172	.1146	.1125

RESISTANCE DATA SERIES 65-A MODFL 5190

LP/MPX = 4.66

DEADRISE ANGLE = 20.5 DEG

FNV = 2.50

WEIGHT = LIFT (LG, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.440	4.41	.775	.570	5.50	.1578	.1586	.1449	.1404	.1647	.1575	.1518	.1472
.400	2.47	.915	.640	6.91	.1528	.1440	.1371	.1315	.1614	.1526	.1457	.1401
.520	-1.53	1.000	.507	6.47	.1735	.1693	.1507	.1535	.1816	.1734	.1660	.1616

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.400	4.22	.731	.432	5.74	.1494	.1379	.1320	.1272	.1526	.1451	.1391	.1344
.440	2.47	.851	.541	7.27	.1422	.1329	.1256	.1190	.1513	.1420	.1347	.1280
.400	.56	.995	.566	7.65	.1414	.1310	.1242	.1181	.1510	.1414	.1330	.1277
.520	-1.67	1.000	.607	7.56	.1657	.1563	.1489	.1429	.1751	.1657	.1583	.1523

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.400	2.65	.746	.541	7.22	.1374	.1282	.1209	.1151	.1464	.1372	.1299	.1241
.440	.97	.933	.590	8.72	.1290	.1182	.1097	.1020	.1399	.1291	.1205	.1137
.400	-1.16	.982	.499	8.25	.1377	.1274	.1193	.1127	.1400	.1377	.1296	.1231
.520	-1.59	.992	.477	8.09	.1451	.1350	.1270	.1204	.1552	.1451	.1371	.1307

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.11	.708	.435	6.85	.1337	.1249	.1179	.1124	.1423	.1335	.1265	.1209
.400	1.53	.845	.551	8.08	.1246	.1136	.1040	.0970	.1357	.1247	.1159	.1089
.440	.41	.938	.545	9.65	.1251	.1132	.1030	.0963	.1371	.1253	.1159	.1084
.400	-1.53	.984	.444	9.09	.1396	.1284	.1196	.1124	.1510	.1390	.1309	.1230
.520	-1.73	.990	.452	8.72	.1453	.1345	.1260	.1192	.1562	.1454	.1369	.1301

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.34	.614	.436	6.78	.1507	.1385	.1280	.1210	.1629	.1507	.1410	.1332
.360	2.85	.698	.467	7.00	.1621	.1495	.1396	.1317	.1744	.1623	.1524	.1444
.400	1.74	.796	.513	8.50	.1664	.1517	.1401	.1307	.1817	.1670	.1554	.1460
.440	.86	.883	.530	9.66	.1731	.1566	.1436	.1331	.1905	.1740	.1610	.1505
.400	-1.04	.960	.501	10.27	.1842	.1669	.1532	.1421	.2026	.1859	.1716	.1605
.520	-1.15	.989	.470	10.36	.1961	.1687	.1540	.1436	.2047	.1873	.1734	.1622

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.25	.616	.426	7.02	.1557	.1432	.1333	.1253	.1601	.1554	.1459	.1379
.360	1.98	.733	.471	8.42	.1592	.1445	.1329	.1236	.1743	.1597	.1481	.1380
.400	.97	.826	.499	9.89	.1652	.1484	.1350	.1243	.1830	.1662	.1528	.1421
.440	.20	.914	.492	10.07	.1703	.1600	.1455	.1330	.1979	.1796	.1650	.1533
.400	-1.53	.984	.482	11.30	.1990	.1800	.1650	.1520	.2145	.2005	.1854	.1733
.520	-1.12	1.000	.477	10.94	.2250	.2060	.1923	.1806	.2447	.2264	.2120	.2003

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.47	.662	.427	8.12	.1522	.1379	.1267	.1176	.1664	.1525	.1413	.1322
.360	1.31	.756	.459	9.63	.1570	.1413	.1282	.1176	.1741	.1586	.1455	.1350
.400	.43	.857	.481	11.24	.1730	.1541	.1391	.1270	.1932	.1743	.1593	.1472
.440	-1.31	.944	.477	12.19	.1940	.1745	.1584	.1455	.2167	.1969	.1804	.1674
.400	-1.93	.981	.484	11.07	.2173	.1980	.1841	.1723	.2372	.2187	.2041	.1922
.520	-1.59	.980	.295	8.60	.2463	.2315	.2199	.2105	.2619	.2472	.2355	.2261

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.83	.644	.420	9.22	.1515	.1355	.1229	.1127	.1601	.1521	.1395	.1293
.360	.82	.781	.449	10.76	.1652	.1500	.1356	.1239	.1876	.1694	.1549	.1433
.400	.02	.892	.481	12.09	.1911	.1690	.1529	.1392	.2143	.1930	.1760	.1624
.440	-1.62	.961	.433	12.76	.2133	.1922	.1755	.1620	.2363	.2152	.1985	.1850
.400	-1.20	.976	.255	9.11	.2334	.2179	.2057	.1959	.2497	.2343	.2221	.2122
.520	-1.00	.977	.063	4.09	.2609	.2523	.2455	.2401	.2697	.2611	.2543	.2489

RESISTANCE DATA SERIES 65-A MODEL 5199

LP/PHI = 4.66 DEATHWISE ANGLE = 29.9 DEG FNR = 3.00

WEIGHT = LIFT (LB, SPANATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.9 LP (FT) = 16.2 39.0 79.4 162.9 16.2 39.0 79.4 162.9

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	0.00	.751	.529	6.01	.1630	.1941	.1472	.1415	.1717	.1620	.1510	.1502
.400	2.90	.824	.500	9.62	.1670	.1977	.1497	.1433	.1779	.1670	.1550	.1534
.520	1.44	.946	.621	6.59	.1816	.1700	.1600	.1534	.1935	.1819	.1727	.1653

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	3.21	.747	.530	5.77	.1711	.1697	.1524	.1480	.1916	.1758	.1628	.1562
.400	2.79	.897	.502	6.73	.1730	.1811	.1510	.1442	.1891	.1732	.1619	.1563
.520	1.10	.945	.626	7.74	.1772	.1630	.1532	.1447	.1911	.1777	.1671	.1586

LP/V(1/3) = 7.5 LP (FT) = 14.7 40.4 87.8 187.9 14.7 40.4 87.8 187.9

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	3.67	.789	.444	5.87	.1651	.1545	.1461	.1393	.1756	.1650	.1564	.1499
.400	2.47	.884	.544	6.94	.1710	.1587	.1490	.1412	.1836	.1713	.1615	.1537
.520	1.50	.909	.593	8.10	.1756	.1616	.1505	.1417	.1901	.1762	.1651	.1562
.520	2.07	.854	.616	7.75	.1723	.1580	.1482	.1397	.1862	.1720	.1621	.1536

LP/V(1/3) = 8.0 LP (FT) = 20.4 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	3.97	.864	.465	6.23	.1690	.1585	.1397	.1325	.1710	.1597	.1499	.1437
.400	2.65	.753	.504	7.87	.1671	.1566	.1467	.1388	.1790	.1673	.1574	.1495
.400	1.62	.854	.554	8.37	.1725	.1581	.1466	.1375	.1876	.1731	.1617	.1525
.520	.80	.975	.590	9.22	.1800	.1663	.1510	.1410	.1966	.1809	.1684	.1584
.520	.84	.994	.580	9.46	.1914	.1754	.1626	.1526	.2005	.1824	.1707	.1604

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.9 21.2 45.8 98.6 212.9

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.9 21.2 45.8 98.6 212.9

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.76	.636	.438	6.66	.1234	.1140	.1079	.1025	.1317	.1231	.1163	.1104
.360	.89	.761	.500	8.43	.1239	.1132	.1047	.0979	.1366	.1239	.1154	.1086
.400	.86	.875	.434	10.20	.1107	.1061	.0961	.0881	.1316	.1189	.1090	.1009
.400	-0.87	.949	.424	10.56	.1204	.1160	.1050	.0976	.1420	.1292	.1190	.1100
.400	-0.60	.940	.460	9.46	.1307	.1274	.1161	.1104	.1570	.1409	.1304	.1227
.520	-0.95	.992	.347	8.45	.1505	.1400	.1317	.1250	.1611	.1496	.1422	.1356

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.74	.679	.452	7.99	.1226	.1124	.1044	.0980	.1325	.1224	.1144	.1080
.360	1.35	.794	.497	9.94	.1196	.1071	.0973	.0894	.1319	.1196	.1094	.1020
.400	.34	.893	.523	11.33	.1235	.1099	.0989	.0902	.1377	.1240	.1151	.1044
.400	-0.41	.951	.490	11.29	.1342	.1206	.1090	.1012	.1483	.1347	.1239	.1153
.400	-0.73	.988	.396	10.10	.1424	.1302	.1205	.1126	.1552	.1420	.1311	.1253
.520	-1.10	.996	.242	8.01	.1545	.1445	.1366	.1303	.1645	.1545	.1466	.1403

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.98	.710	.454	9.37	.1222	.1105	.1013	.0939	.1339	.1222	.1130	.1056
.360	.84	.809	.474	10.76	.1260	.1137	.1033	.0959	.1403	.1272	.1164	.1084
.400	-0.81	.909	.499	12.21	.1311	.1166	.1040	.0964	.1463	.1317	.1200	.1107
.400	-0.68	.960	.441	11.70	.1397	.1256	.1144	.1054	.1545	.1403	.1291	.1201
.400	-0.86	.984	.347	10.30	.1479	.1350	.1255	.1175	.1600	.1461	.1354	.1264
.520	-1.20	1.000	.213	8.10	.1601	.1501	.1422	.1350	.1702	.1602	.1523	.1459

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.42	.725	.440	10.11	.1204	.1104	.1005	.0906	.1413	.1290	.1192	.1112
.360	.55	.810	.456	11.44	.1236	.1106	.1006	.0906	.1477	.1339	.1229	.1141
.400	-0.20	.919	.430	12.59	.1340	.1190	.1079	.0983	.1506	.1354	.1235	.1140
.400	-0.71	.971	.367	11.61	.1429	.1290	.1179	.1091	.1576	.1435	.1324	.1236
.400	-1.01	.949	.289	9.44	.1524	.1407	.1312	.1235	.1652	.1531	.1436	.1359
.520	-1.36	1.000	.192	7.75	.1659	.1503	.1400	.1320	.1755	.1600	.1505	.1424

RESISTANCE DATA SERIES 65-A MONFL 5198

LP/DPX = 4.66

DEADRISE ANGLE = 20.5 DEG

FNU = 3.51

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 21.0 45.1 99.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.29	.597	.373	5.72	.1327	.1187	.1076	.0987	.1467	.1327	.1215	.1127
.360	1.71	.565	.389	5.42	.1313	.1180	.1074	.0989	.1446	.1312	.1207	.1122
.400	-3.17	.617	1.000	6.61	.4126	.3983	.3870	.3778	.4288	.4145	.4032	.3940

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.56	.606	.396	6.12	.1595	.1358	.1241	.1147	.1655	.1507	.1391	.1297
.360	1.62	.643	.427	7.09	.1668	.1501	.1369	.1262	.1642	.1475	.1342	.1246
.400	.87	.749	.441	7.98	.1812	.1629	.1483	.1366	.2006	.1822	.1677	.1559
.440	.21	.815	.429	8.65	.1892	.1693	.1535	.1408	.2104	.1904	.1746	.1619
.480	-.91	.895	.479	9.62	.2277	.2055	.1883	.1744	.2508	.2291	.2118	.1979
.520	-2.94	.743	1.000	9.21	.4819	.4626	.4472	.4368	.5045	.4852	.4698	.4573

LP/V(1/3) = 9.0 LP (FT) = 22.5 49.5 104.4 225.0 22.5 49.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.93	.627	.414	6.92	.1679	.1516	.1386	.1282	.1848	.1685	.1556	.1452
.360	1.99	.701	.447	7.90	.1832	.1649	.1504	.1388	.2076	.1883	.1698	.1581
.400	1.25	.765	.461	8.76	.2000	.1800	.1641	.1513	.2214	.2014	.1856	.1728
.440	.56	.841	.467	9.74	.2129	.1919	.1735	.1595	.2368	.2149	.1974	.1833
.480	-.17	.926	.472	10.86	.2299	.2059	.1866	.1711	.2565	.2324	.2132	.1977
.520	-.98	.993	.539	11.93	.2687	.2427	.2220	.2053	.2979	.2719	.2512	.2345

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.47	.653	.429	7.96	.1792	.1607	.1460	.1342	.1987	.1802	.1655	.1537
.360	1.67	.711	.437	8.88	.1909	.1707	.1547	.1418	.2174	.1972	.1783	.1634
.400	.97	.770	.449	9.65	.2056	.1834	.1665	.1525	.2292	.2074	.1901	.1761
.440	.16	.878	.452	11.00	.2299	.2053	.1857	.1699	.2570	.2324	.2128	.1970
.480	-.53	.963	.470	12.28	.2595	.2327	.2113	.1941	.2896	.2628	.2414	.2242
.520	-1.33	.947	.456	12.81	.2500	.2236	.2027	.1857	.2704	.2531	.2321	.2151

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.0 25.0 53.8 116.0 249.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.08	.657	.411	9.80	.1879	.1607	.1446	.1317	.2074	.1822	.1662	.1533
.360	1.26	.714	.421	9.67	.1998	.1790	.1516	.1377	.2144	.1926	.1752	.1612
.400	.43	.815	.431	11.09	.2212	.1965	.1769	.1610	.2484	.2237	.2049	.1882
.440	-.40	.929	.440	12.71	.2659	.2392	.2171	.1997	.2989	.2703	.2482	.2304
.480	-.91	.963	.475	13.12	.2886	.2602	.2376	.2194	.3207	.2923	.2697	.2515
.520	-1.43	.977	.507	13.19	.3114	.2831	.2605	.2422	.3437	.3153	.2928	.2745

RESISTANCE DATA SERIES 65-A MODEL 5198

LP/RPX = 4.66

DEADWISE ANGLE = 29.5 DEG

FNV = 4.88

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	-0.20	.593	.284	6.62	.1767	.1561	.1397	.1266	.1979	.1772	.1609	.1478
.360	-1.13	.674	.361	7.62	.2125	.1894	.1711	.1564	.2369	.2138	.1955	.1807
.400	-2.11	.627	.584	8.61	.2609	.2357	.2158	.1997	.2883	.2633	.2434	.2273
.440	-3.15	.514	1.000	9.49	.3264	.3002	.2794	.2625	.3567	.3306	.3097	.2928

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.59	.698	.364	7.42	.1952	.1729	.1552	.1409	.2190	.1967	.1789	.1647
.360	.97	.660	.381	8.15	.2174	.1933	.1741	.1586	.2435	.2193	.2001	.1847
.400	.31	.740	.374	9.12	.2483	.2216	.2004	.1833	.2775	.2508	.2296	.2125
.440	-0.39	.919	.398	10.30	.2857	.2558	.2322	.2132	.3183	.2887	.2652	.2462
.480	-1.07	.871	.483	11.56	.3235	.2910	.2652	.2442	.3605	.3288	.3021	.2812
.520	-1.70	.854	.646	12.84	.3597	.3245	.2964	.2736	.4008	.3655	.3374	.3147

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.30	.644	.407	8.59	.2254	.2002	.1802	.1641	.2528	.2277	.2077	.1916
.360	1.70	.694	.423	9.37	.2430	.2160	.1945	.1772	.2729	.2459	.2244	.2070
.400	1.17	.741	.432	10.02	.2632	.2345	.2117	.1932	.2952	.2666	.2437	.2253
.440	.55	.920	.427	10.90	.3008	.2699	.2458	.2250	.3360	.3049	.2802	.2602
.480	-0.10	.916	.434	12.70	.3514	.3172	.2899	.2678	.3908	.3565	.3292	.3072
.520	-0.73	.992	.493	13.86	.3990	.3611	.3309	.3065	.4433	.4055	.3753	.3508

RESISTANCE DATA

SERIES 65-A

MODEL 4965-1

LP/DPX = 6.6"

DEADRISE ANGLE = 20.5 DEG

FNV = 1.00

WFLIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.35	.961	.597	7.64	.0426	.0409	.0395	.0384	.0440	.0423	.0409	.0399
.360	1.82	.966	.660	7.62	.0392	.0374	.0360	.0349	.0407	.0389	.0375	.0364
.400	.63	.967	.725	7.74	.0323	.0305	.0291	.0279	.0339	.0321	.0306	.0295
.440	-.48	.993	.685	7.73	.0277	.0260	.0247	.0236	.0292	.0275	.0261	.0250
.480	-1.55	.996	.755	7.69	.0264	.0247	.0234	.0224	.0278	.0261	.0244	.0238
.520	-2.59	1.000	1.000	7.63	.0290	.0273	.0260	.0249	.0306	.0289	.0275	.0264

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.59	.871	.558	7.48	.0392	.0374	.0360	.0349	.0407	.0389	.0375	.0364
.360	1.31	.953	.591	8.23	.0330	.0311	.0295	.0287	.0347	.0327	.0312	.0300
.400	.24	.988	.612	8.46	.0290	.0260	.0244	.0232	.0297	.0277	.0261	.0249
.440	-.71	.993	.642	7.94	.0255	.0236	.0222	.0211	.0271	.0252	.0238	.0226
.480	-1.64	.993	.731	7.67	.0251	.0233	.0220	.0209	.0266	.0248	.0235	.0224
.520	-2.59	1.000	.904	7.81	.0264	.0246	.0232	.0221	.0279	.0262	.0248	.0237

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 98.6 212.5				21.2 45.8 98.6 212.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.00	.871	.504	7.99	.0366	.0347	.0332	.0320	.0382	.0363	.0347	.0336
.360	.92	.955	.503	8.44	.0382	.0362	.0347	.0334	.0399	.0379	.0364	.0351
.400	-.02	.989	.512	8.42	.0263	.0243	.0228	.0216	.0280	.0260	.0245	.0232
.440	-.87	.991	.545	8.16	.0247	.0228	.0213	.0201	.0263	.0244	.0229	.0217
.480	-1.66	.990	.697	7.98	.0241	.0222	.0208	.0196	.0257	.0238	.0224	.0212
.520	-2.50	1.000	.720	8.05	.0241	.0223	.0208	.0197	.0257	.0239	.0224	.0213

LP/V(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.62	.872	.447	8.37	.0371	.0351	.0335	.0322	.0387	.0367	.0352	.0339
.360	.60	.967	.452	8.86	.0279	.0259	.0241	.0228	.0294	.0275	.0259	.0246
.400	-.25	.990	.451	8.90	.0256	.0234	.0218	.0205	.0273	.0252	.0236	.0223
.440	-1.00	.989	.474	8.99	.0241	.0220	.0204	.0190	.0259	.0238	.0222	.0208
.480	-1.67	.987	.412	8.98	.0225	.0206	.0190	.0177	.0246	.0224	.0208	.0195
.520	-2.38	.995	.464	9.62	.0207	.0186	.0169	.0155	.0225	.0204	.0187	.0173

LP/V(1/3) = 9.5					LP (FT) = 23.7 51.2 119.2 237.4				23.7 51.2 119.2 237.4			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.27	.882	.411	8.87	.0307	.0285	.0269	.0256	.0324	.0303	.0287	.0274
.360	.35	.970	.416	9.51	.0270	.0249	.0231	.0217	.0289	.0267	.0250	.0236
.400	-.41	.987	.390	9.81	.0253	.0230	.0212	.0198	.0273	.0250	.0232	.0217
.440	-1.00	.988	.330	9.99	.0244	.0214	.0196	.0181	.0254	.0234	.0216	.0201
.480	-1.66	.987	.240	10.16	.0213	.0189	.0170	.0155	.0234	.0209	.0190	.0175
.520	-2.31	.993	.091	10.34	.0174	.0150	.0130	.0115	.0197	.0171	.0151	.0135

LP/V(1/3) = 10.0					LP (FT) = 25.0 53.8 116.0 249.9				25.0 53.8 116.0 249.9			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	.97	.896	.387	9.39	.0294	.0276	.0259	.0245	.0317	.0295	.0277	.0264
.360	.14	.958	.377	9.00	.0267	.0246	.0225	.0211	.0287	.0267	.0245	.0231
.400	-.51	.980	.340	10.10	.0252	.0228	.0209	.0195	.0272	.0248	.0230	.0215
.440	-1.00	.988	.280	10.33	.0235	.0211	.0192	.0177	.0256	.0232	.0213	.0197
.480	-1.62	.988	.192	10.69	.0212	.0186	.0166	.0150	.0233	.0209	.0188	.0172
.520	-2.23	.993	.052	11.37	.0171	.0147	.0121	.0104	.0194	.0166	.0144	.0127

RESISTANCE DATA SERIES 65-A MODEL 4965-1

LP/BOX = 6.67

DEFLECTURE ANGLE = 29.5 DEG

FW = 1.25

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5

LP (FT) = 19.7 49.4 117.0 187.5 19.7 49.4 117.0 187.5

LCG	TOIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NFG)	LB	LB	V(2/3)								
.320	4.61	.779	.625	7.79	.0750	.0725	.0735	.0690	.0771	.0746	.0727	.0711
.360	2.84	.908	.690	7.54	.0678	.0612	.0591	.0574	.0662	.0635	.0614	.0597
.400	1.40	.980	.787	7.99	.0581	.0553	.0531	.0514	.0606	.0578	.0556	.0539
.440	.27	.990	.819	7.05	.0494	.0470	.0449	.0431	.0523	.0495	.0477	.0456
.480	-1.00	.995	.707	7.21	.0468	.0423	.0403	.0387	.0471	.0445	.0425	.0419
.520	-2.12	1.000	.467	7.26	.0470	.0445	.0425	.0410	.0493	.0464	.0444	.0432

LP/V(1/3) = 9.0

LP (FT) = 20.7 43.1 92.4 200.0 20.7 43.1 92.4 200.0

LCG	TOIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NFG)	LB	LB	V(2/3)								
.320	7.65	.793	.682	7.39	.0659	.0631	.0611	.0594	.0681	.0655	.0634	.0617
.360	2.12	.914	.662	7.08	.0602	.0574	.0551	.0533	.0627	.0599	.0576	.0559
.400	.93	.973	.679	7.61	.0502	.0472	.0444	.0430	.0529	.0499	.0475	.0457
.440	-1.15	.992	.657	7.27	.0474	.0405	.0382	.0364	.0463	.0431	.0408	.0399
.480	-1.15	.994	.624	7.46	.0419	.0391	.0371	.0355	.0441	.0415	.0394	.0378
.520	-2.14	.999	.618	7.11	.0444	.0419	.0400	.0384	.0466	.0442	.0422	.0406

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TOIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NFG)	LB	LB	V(2/3)								
.320	3.00	.831	.569	7.88	.0617	.0584	.0562	.0544	.0637	.0609	.0584	.0569
.360	1.63	.919	.551	7.39	.0567	.0531	.0507	.0489	.0586	.0557	.0534	.0515
.400	.90	.981	.607	7.40	.0466	.0435	.0413	.0394	.0490	.0459	.0439	.0421
.440	-1.42	.993	.454	7.08	.0411	.0383	.0369	.0347	.0445	.0414	.0395	.0376
.480	-1.31	.991	.462	7.61	.0395	.0359	.0337	.0321	.0419	.0387	.0361	.0344
.520	-2.18	.995	.545	7.56	.0395	.0369	.0348	.0332	.0419	.0387	.0362	.0355

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TOIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NFG)	LB	LB	V(2/3)								
.320	7.40	.817	.499	7.24	.0555	.0537	.0514	.0495	.0592	.0563	.0544	.0521
.360	1.18	.921	.481	7.51	.0491	.0451	.0427	.0408	.0509	.0479	.0454	.0435
.400	.18	.986	.401	7.57	.0419	.0389	.0365	.0346	.0446	.0416	.0392	.0373
.440	-0.67	.992	.364	7.29	.0386	.0356	.0333	.0315	.0412	.0382	.0359	.0341
.480	-1.36	.998	.351	7.17	.0366	.0337	.0314	.0296	.0392	.0362	.0340	.0322
.520	-2.17	.991	.373	7.47	.0356	.0326	.0303	.0284	.0382	.0353	.0329	.0311

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TOIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NFG)	LB	LB	V(2/3)								
.320	2.00	.874	.422	7.45	.0497	.0466	.0443	.0424	.0523	.0493	.0469	.0450
.360	.79	.919	.398	7.11	.0415	.0383	.0358	.0338	.0444	.0412	.0387	.0366
.400	-0.27	.984	.362	7.10	.0384	.0352	.0327	.0307	.0413	.0381	.0356	.0336
.440	-0.76	.989	.315	7.05	.0369	.0334	.0313	.0293	.0397	.0366	.0341	.0321
.480	-1.38	.987	.266	7.00	.0355	.0323	.0298	.0278	.0383	.0351	.0326	.0306
.520	-2.16	.989	.296	7.40	.0333	.0299	.0273	.0251	.0362	.0329	.0302	.0281

LP/V(1/3) = 10.0

LP (FT) = 25.7 53.8 116.0 249.9 25.7 53.8 116.0 249.9

LCG	TOIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(NFG)	LB	LB	V(2/3)								
.320	1.50	.881	.378	7.07	.0462	.0437	.0405	.0386	.0490	.0458	.0433	.0414
.360	.50	.944	.357	7.50	.0395	.0361	.0335	.0314	.0425	.0391	.0365	.0344
.400	-0.24	.976	.321	7.44	.0371	.0339	.0312	.0291	.0403	.0367	.0341	.0321
.440	-0.85	.987	.274	7.78	.0354	.0323	.0298	.0277	.0386	.0350	.0327	.0306
.480	-1.41	.990	.217	7.07	.0347	.0310	.0282	.0261	.0377	.0339	.0312	.0291
.520	-2.11	.992	.177	7.00	.0327	.0287	.0258	.0236	.0355	.0318	.0290	.0267

RESISTANCE DATA SERIES A5-A MODEL 6064-1

LP/MPX = 6.4"

DEADWISE ANGLE = 21.5 DEG

FWD = 1.51

WEIGHT = LIFT (LBS, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5 LF (FT) = 14.7 40.4 87.0 187.5 14.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	5.31	.724	.565	5.26	.1093	.1061	.1076	.1016	.1121	.1079	.1064	.1044
.360	3.50	.842	.672	7.19	.0821	.0784	.0797	.0738	.0852	.0816	.0799	.0765
.400	2.00	.958	.716	7.70	.0761	.0723	.0734	.0670	.0785	.0750	.0729	.0705
.440	.87	.986	.827	7.88	.0679	.0641	.0652	.0589	.0715	.0677	.0647	.0623
.480	-.30	.997	.870	7.87	.0639	.0600	.0611	.0547	.0673	.0635	.0606	.0582
.520	-1.39	.997	.819	7.50	.0657	.0621	.0633	.0570	.0691	.0655	.0627	.0604

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.33	.730	.597	6.88	.0888	.0853	.0866	.0804	.0919	.0884	.0867	.0835
.360	2.65	.854	.664	7.81	.0748	.0710	.0725	.0665	.0783	.0745	.0715	.0691
.400	1.00	.980	.715	8.42	.0675	.0634	.0652	.0577	.0713	.0677	.0649	.0615
.440	.76	.988	.736	8.58	.0597	.0556	.0574	.0498	.0636	.0595	.0562	.0537
.480	-.64	.993	.809	7.88	.0572	.0534	.0553	.0480	.0618	.0569	.0539	.0515
.520	-1.67	.994	.741	7.11	.0639	.0573	.0596	.0524	.0641	.0585	.0554	.0536

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.57	.753	.577	7.56	.0787	.0749	.0769	.0696	.0821	.0783	.0753	.0730
.360	2.00	.872	.601	8.36	.0698	.0657	.0675	.0600	.0724	.0685	.0653	.0637
.400	.96	.954	.609	8.88	.0638	.0596	.0613	.0537	.0677	.0635	.0602	.0576
.440	-.80	.990	.553	8.88	.0581	.0540	.0558	.0482	.0619	.0574	.0544	.0520
.480	-1.88	.992	.468	7.06	.0646	.0597	.0617	.0452	.0582	.0547	.0512	.0488
.520	-1.70	.990	.422	7.47	.0589	.0522	.0543	.0478	.0593	.0556	.0527	.0504

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.84	.765	.545	8.27	.0731	.0690	.0709	.0632	.0764	.0727	.0695	.0670
.360	1.62	.873	.524	8.89	.0645	.0601	.0617	.0530	.0674	.0631	.0597	.0578
.400	.50	.977	.507	9.00	.0570	.0536	.0552	.0474	.0619	.0574	.0542	.0515
.440	-.28	.992	.462	8.84	.0507	.0468	.0483	.0434	.0574	.0534	.0501	.0475
.480	-1.00	.990	.420	8.21	.0515	.0476	.0494	.0418	.0553	.0517	.0481	.0455
.520	-1.72	.997	.387	8.18	.0523	.0483	.0501	.0426	.0560	.0520	.0484	.0463

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 113.2 237.4 23.7 51.2 113.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.33	.771	.479	8.81	.0659	.0615	.0631	.0553	.0699	.0655	.0627	.0593
.360	1.21	.893	.456	9.34	.0561	.0516	.0530	.0452	.0603	.0559	.0522	.0494
.400	.75	.977	.438	9.34	.0510	.0474	.0488	.0410	.0561	.0515	.0480	.0452
.440	-.48	.989	.406	8.95	.0450	.0417	.0433	.0364	.0514	.0467	.0433	.0406
.480	-1.09	.988	.366	8.74	.0495	.0454	.0470	.0394	.0545	.0493	.0460	.0433
.520	-1.71	.987	.309	8.84	.0504	.0461	.0476	.0399	.0544	.0490	.0456	.0439

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.8 115.0 249.0 25.0 57.8 115.0 249.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.00	.767	.418	8.07	.0671	.0627	.0642	.0524	.0671	.0627	.0592	.0564
.360	.88	.905	.397	8.87	.0561	.0515	.0528	.0420	.0605	.0559	.0521	.0492
.400	.05	.968	.364	8.54	.0499	.0452	.0466	.0387	.0541	.0495	.0459	.0433
.440	-.61	.985	.320	8.18	.0441	.0407	.0423	.0374	.0522	.0474	.0437	.0415
.480	-1.18	.989	.260	8.03	.0477	.0433	.0448	.0371	.0514	.0474	.0439	.0411
.520	-1.74	.991	.207	8.28	.0483	.0439	.0452	.0374	.0525	.0479	.0444	.0415

RESISTANCE DATA SERIES 65-A MODEL 4965-1

LP/9PX = 6.69

DEADRISE ANGLE = 29.5 DEG

FNO = 1.75

HEIGHT = LIFT (LP, SEAWATER) = 100' 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5

LP (FT) = 14.7 40.4 47.0 187.5 14.7 40.4 47.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.95	.790	.651	6.63	.0992	.0943	.0913	.0885	.1032	.0984	.0956	.0926
.400	2.41	.920	.685	7.36	.0895	.0839	.0801	.0771	.0921	.0874	.0846	.0816
.440	1.19	.977	.763	7.61	.0816	.0760	.0729	.0699	.0863	.0816	.0786	.0755
.480	.11	.991	.884	7.73	.0742	.0734	.0696	.0665	.0839	.0781	.0743	.0712
.520	-1.00	.995	.935	7.82	.0624	.0775	.0737	.0706	.0672	.0623	.0784	.0754

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.81	.646	.546	6.37	.1124	.1041	.1047	.1020	.1163	.1120	.1086	.1059
.360	3.04	.818	.611	7.36	.0875	.0827	.0789	.0759	.0920	.0872	.0834	.0804
.400	1.69	.923	.683	8.11	.0801	.0750	.0709	.0676	.0851	.0799	.0758	.0726
.440	.68	.978	.780	8.46	.0739	.0686	.0644	.0611	.0791	.0738	.0696	.0662
.480	-1.25	.993	.699	8.16	.0714	.0667	.0626	.0594	.0764	.0717	.0676	.0644
.520	-1.14	.992	.530	7.60	.0754	.0705	.0666	.0635	.0700	.0751	.0713	.0682

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.78	.715	.544	7.00	.0935	.0888	.0852	.0822	.0978	.0931	.0894	.0865
.360	2.27	.834	.590	8.06	.0776	.0724	.0683	.0650	.0826	.0774	.0733	.0700
.400	1.18	.931	.693	8.81	.0735	.0680	.0636	.0601	.0789	.0734	.0690	.0655
.440	.28	.985	.721	9.04	.0722	.0666	.0621	.0585	.0777	.0721	.0676	.0641
.480	-1.55	.992	.629	8.68	.0700	.0645	.0602	.0567	.0753	.0699	.0655	.0620
.520	-1.31	.999	.502	8.13	.0715	.0664	.0625	.0592	.0768	.0716	.0675	.0642

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.87	.745	.540	9.14	.0812	.0759	.0717	.0683	.0862	.0809	.0767	.0733
.360	1.77	.844	.587	9.22	.0711	.0653	.0606	.0569	.0768	.0709	.0662	.0625
.400	.79	.949	.643	9.60	.0700	.0640	.0593	.0555	.0759	.0699	.0652	.0614
.440	-0.97	.999	.654	9.52	.0677	.0618	.0571	.0534	.0736	.0675	.0630	.0592
.480	-1.75	.991	.616	9.25	.0661	.0603	.0558	.0521	.0717	.0660	.0614	.0578
.520	-1.49	.997	.527	8.92	.0679	.0623	.0579	.0543	.0734	.0678	.0633	.0599

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.29	.757	.513	9.47	.0734	.0673	.0625	.0586	.0792	.0730	.0682	.0644
.360	1.36	.864	.545	10.09	.0672	.0608	.0558	.0517	.0734	.0670	.0619	.0579
.400	.80	.963	.579	10.14	.0651	.0584	.0539	.0499	.0714	.0651	.0601	.0561
.440	-1.26	.996	.592	9.91	.0625	.0563	.0515	.0476	.0685	.0624	.0576	.0537
.480	-1.88	.999	.560	9.69	.0624	.0564	.0516	.0478	.0683	.0623	.0575	.0537
.520	-1.46	.986	.478	9.57	.0651	.0591	.0543	.0505	.0710	.0649	.0602	.0564

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.9 116.0 249.9 25.0 53.9 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.07	.752	.477	9.74	.0721	.0659	.0609	.0570	.0781	.0718	.0669	.0629
.360	1.03	.879	.511	10.32	.0664	.0599	.0548	.0507	.0727	.0662	.0611	.0570
.400	.23	.957	.493	10.31	.0625	.0561	.0510	.0470	.0688	.0624	.0573	.0533
.440	-1.44	.990	.488	9.94	.0602	.0540	.0491	.0452	.0663	.0601	.0552	.0513
.480	-1.89	.987	.385	9.68	.0603	.0542	.0494	.0455	.0662	.0601	.0553	.0514
.520	-1.55	.989	.297	9.61	.0628	.0567	.0519	.0480	.0687	.0626	.0577	.0539

RESISTANCE DATA SERIES 65-A MODEL 4965-1

LP/HPX = 6.60

DEADRISE ANGLE = 20.5 DEG

FWO = 2.01

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5

LP (FT) = 10.7 40.4 87.0 187.5 10.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	4.42	.744	.625	6.39	.1172	.1110	.1075	.1041	.1223	.1169	.1126	.1092
.400	2.66	.498	.679	7.11	.1007	.0961	.0899	.0859	.1057	.0999	.0952	.0914
.440	1.32	.968	.739	7.46	.0929	.0868	.0820	.0782	.0988	.0929	.0880	.0841
.480	-.30	.989	.830	7.52	.0894	.0844	.0796	.0758	.0964	.0904	.0856	.0818
.520	-.74	.994	.931	7.54	.0864	.0815	.0767	.0729	.0935	.0875	.0827	.0788

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 209.0 20.0 43.1 92.8 209.0

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.40	.769	.595	6.84	.1044	.0987	.0941	.0905	.1099	.1042	.0996	.0960
.400	2.00	.491	.639	7.79	.0944	.0888	.0829	.0789	.1006	.0942	.0892	.0851
.440	.85	.967	.745	8.18	.0874	.0808	.0757	.0715	.0939	.0874	.0822	.0780
.480	-.04	.992	.829	8.09	.0867	.0803	.0752	.0711	.0931	.0867	.0817	.0776
.520	-1.00	.992	.779	7.90	.0919	.0856	.0807	.0767	.0942	.0878	.0827	.0786

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.34	.664	.527	6.60	.1124	.1068	.1023	.0988	.1177	.1120	.1076	.1041
.360	2.52	.401	.577	7.68	.0977	.0927	.0873	.0843	.1069	.1015	.0964	.0924
.400	1.36	.908	.654	8.56	.0854	.0786	.0731	.0687	.0923	.0854	.0800	.0756
.440	.80	.974	.729	9.02	.0840	.0769	.0712	.0667	.0912	.0841	.0784	.0739
.480	-.31	.992	.796	8.91	.0844	.0774	.0719	.0675	.0915	.0845	.0789	.0746
.520	-1.00	.992	.752	8.77	.0877	.0804	.0753	.0710	.0944	.0874	.0823	.0780

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.25	.746	.515	7.43	.0954	.0892	.0843	.0804	.1014	.0951	.0902	.0863
.360	1.87	.420	.575	8.41	.0831	.0759	.0702	.0667	.0901	.0829	.0773	.0727
.400	.93	.910	.661	9.54	.0822	.0746	.0687	.0639	.0899	.0821	.0763	.0715
.440	.19	.982	.709	9.70	.0819	.0743	.0682	.0633	.0897	.0821	.0762	.0713
.480	-.51	.991	.705	9.70	.0814	.0739	.0678	.0630	.0892	.0816	.0756	.0708
.520	-1.16	.984	.618	9.54	.0839	.0764	.0704	.0656	.0915	.0840	.0780	.0732

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.42	.717	.512	8.05	.0833	.0759	.0701	.0654	.0905	.0831	.0772	.0726
.360	1.40	.449	.581	9.49	.0801	.0720	.0657	.0606	.0881	.0800	.0737	.0686
.400	.62	.945	.634	10.37	.0809	.0714	.0654	.0602	.0889	.0801	.0737	.0685
.440	-.05	.990	.647	10.47	.0781	.0699	.0635	.0583	.0864	.0777	.0714	.0666
.480	-.67	.994	.609	10.37	.0775	.0694	.0629	.0578	.0859	.0772	.0709	.0661
.520	-1.24	.987	.514	10.24	.0809	.0719	.0654	.0602	.0892	.0801	.0736	.0684

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.00	.714	.506	9.79	.0822	.0742	.0679	.0628	.0880	.0820	.0757	.0706
.360	1.00	.463	.565	10.58	.0791	.0707	.0641	.0588	.0874	.0792	.0726	.0672
.400	.37	.965	.584	11.04	.0744	.0683	.0616	.0562	.0855	.0774	.0703	.0649
.440	-.34	.974	.547	11.76	.0744	.0662	.0595	.0542	.0837	.0749	.0681	.0629
.480	-.84	.985	.477	10.51	.0749	.0664	.0599	.0546	.0834	.0750	.0684	.0631
.520	-1.35	.984	.374	11.50	.0781	.0696	.0630	.0577	.0864	.0780	.0714	.0661

RESISTANCE DATA SERIES 65-A MODEL 4966-1

LP/TPX = 6.69

DEADWEIGHT ANGLE = 29.5 DEG

FND = 2.54

WEIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	4.45	.717	.590	6.28	.1446	.1366	.1307	.1252	.1525	.1446	.1381	.1330
.440	2.00	.914	.710	7.50	.1270	.1134	.1066	.1008	.1324	.1232	.1169	.1101
.480	.68	.996	.769	7.43	.1207	.1117	.1046	.0990	.1299	.1210	.1139	.1082
.520	-.54	1.000	.836	7.53	.1349	.1253	.1183	.1126	.1476	.1387	.1277	.1220

LP/V(1/3) = 6.0 LP (FT) = 20.3 47.1 92.0 200.0 20.3 47.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	5.07	.652	.517	6.93	.1346	.1269	.1208	.1160	.1420	.1343	.1283	.1234
.400	2.67	.916	.610	7.27	.1240	.1150	.1078	.1021	.1321	.1243	.1169	.1112
.440	1.23	.934	.674	7.02	.1152	.1056	.0980	.0910	.1251	.1155	.1079	.1018
.480	.16	.988	.741	8.01	.1161	.1066	.0990	.0910	.1251	.1155	.1079	.1018
.520	-1.00	.998	.865	8.02	.1286	.1192	.1117	.1057	.1386	.1292	.1217	.1157

LP/V(1/3) = 4.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	3.75	.691	.528	6.73	.1267	.1187	.1114	.1060	.1351	.1266	.1198	.1144
.400	1.83	.953	.598	8.10	.1125	.1026	.0948	.0885	.1227	.1128	.1049	.0987
.440	.74	.958	.667	8.80	.1110	.1006	.0923	.0856	.1220	.1116	.1032	.0966
.480	-.12	.991	.749	8.89	.1142	.1038	.0955	.0889	.1253	.1149	.1066	.1000
.520	-1.00	.990	.862	8.93	.1233	.1130	.1048	.0981	.1345	.1241	.1159	.1093

LP/V(1/3) = 3.0 LP (FT) = 22.5 44.5 104.4 225.0 22.5 44.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.81	.594	.453	6.76	.1240	.1162	.1120	.1071	.1324	.1257	.1196	.1146
.360	2.74	.739	.524	7.61	.1114	.1027	.0947	.0887	.1211	.1117	.1042	.0982
.400	1.17	.894	.605	8.07	.1083	.0975	.0889	.0820	.1196	.1088	.1002	.0933
.440	.50	.964	.651	9.46	.1090	.0977	.0888	.0816	.1210	.1097	.1007	.0935
.480	-.29	.987	.724	9.74	.1124	.1018	.0920	.0848	.1246	.1132	.1042	.0969
.520	-1.00	.989	.757	9.84	.1199	.1085	.0994	.0921	.1322	.1208	.1117	.1044

LP/V(1/3) = 1.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.92	.622	.451	5.76	.1062	.0974	.0909	.0854	.1147	.1061	.0993	.0939
.360	1.71	.792	.540	6.74	.1077	.0971	.0887	.0820	.1186	.1089	.0996	.0929
.400	.72	.921	.606	9.01	.1088	.0971	.0878	.0804	.1211	.1104	.1002	.0927
.440	.20	.962	.622	10.30	.1097	.0976	.0880	.0807	.1225	.1105	.1009	.0932
.480	-.42	.982	.615	10.57	.1122	.0994	.0900	.0821	.1254	.1133	.1032	.0953
.520	-1.00	.988	.582	10.72	.1175	.1049	.0950	.0869	.1304	.1187	.1084	.1003

LP/V(1/3) = 0.0 LP (FT) = 25.0 57.4 116.0 249.9 25.0 57.4 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.88	.659	.452	7.71	.1017	.0921	.0845	.0784	.1113	.1017	.0941	.0880
.360	1.19	.833	.548	9.71	.1072	.0956	.0864	.0791	.1193	.1077	.0986	.0912
.400	.54	.917	.580	10.62	.1084	.0962	.0863	.0784	.1219	.1094	.0996	.0916
.440	-.06	.957	.604	11.27	.1092	.0962	.0859	.0775	.1237	.1102	.0999	.0915
.480	-.58	.978	.592	11.61	.1115	.0980	.0873	.0787	.1268	.1125	.1018	.0932
.520	-1.00	.988	.560	11.83	.1152	.1015	.0905	.0817	.1307	.1161	.1057	.0965

RESISTANCE DATA

SERIES 65-A

MODEL 4965-1

LP/VPX = 6.60

DEADRISE ANGLE = 20.5 DEG

FNO = 3.00

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	5.26	.591	.438	4.03	.1540	.1466	.1407	.1360	.1613	.1539	.1480	.1433
.400	4.03	.680	.537	5.70	.1427	.1325	.1245	.1181	.1529	.1424	.1344	.1283
.440	2.39	.822	.620	7.20	.1455	.1332	.1234	.1155	.1585	.1461	.1363	.1285
.480	.86	.957	.694	7.97	.1483	.1350	.1245	.1160	.1627	.1494	.1388	.1303
.520	-1.00	.990	.880	8.84	.1768	.1625	.1510	.1410	.1927	.1784	.1669	.1577

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 99.6 212.5				21.2 45.8 99.6 212.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	4.86	.603	.454	4.73	.1460	.1374	.1306	.1252	.1545	.1459	.1392	.1337
.400	3.50	.702	.524	6.04	.1467	.1361	.1277	.1210	.1576	.1470	.1386	.1318
.440	2.00	.836	.605	7.72	.1546	.1415	.1312	.1228	.1685	.1554	.1451	.1367
.480	.93	.969	.658	8.85	.1552	.1406	.1290	.1196	.1711	.1565	.1449	.1355
.520	-2.26	1.000	.829	9.33	.1644	.1534	.1414	.1318	.1852	.1702	.1582	.1486

LP/V(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	5.23	.539	.394	4.37	.1439	.1358	.1294	.1244	.1516	.1436	.1373	.1322
.360	4.06	.625	.470	5.57	.1413	.1315	.1236	.1174	.1514	.1415	.1337	.1274
.400	2.59	.739	.537	7.19	.1471	.1347	.1249	.1170	.1600	.1476	.1379	.1300
.440	1.32	.886	.594	8.82	.1495	.1349	.1232	.1138	.1654	.1507	.1390	.1296
.480	.38	.994	.674	9.85	.1529	.1369	.1242	.1139	.1707	.1547	.1419	.1317
.520	-4.48	1.000	.818	10.10	.1669	.1499	.1371	.1268	.1842	.1681	.1553	.1449

LP/V(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4				23.7 51.2 110.2 237.4			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.38	.558	.417	5.24	.1314	.1220	.1146	.1086	.1408	.1314	.1240	.1180
.360	2.82	.656	.488	7.05	.1345	.1223	.1126	.1048	.1472	.1349	.1253	.1175
.400	1.43	.813	.542	8.80	.1382	.1235	.1117	.1023	.1541	.1393	.1276	.1181
.440	.50	.931	.602	10.00	.1407	.1244	.1114	.1009	.1587	.1424	.1294	.1189
.480	-2.23	.978	.726	10.52	.1487	.1319	.1145	.1076	.1676	.1508	.1374	.1266
.520	-1.00	.987	.819	10.92	.1669	.1487	.1349	.1238	.1856	.1684	.1546	.1435

LP/V(1/3) = 10.0					LP (FT) = 25.0 53.8 116.0 249.9				25.0 53.8 116.0 249.9			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.50	.592	.416	6.19	.1249	.1140	.1054	.0984	.1361	.1252	.1165	.1096
.360	2.00	.784	.489	8.30	.1277	.1136	.1024	.0933	.1427	.1285	.1173	.1083
.400	.91	.849	.535	9.88	.1371	.1208	.1078	.0974	.1549	.1386	.1256	.1152
.440	.14	.929	.625	10.86	.1452	.1277	.1137	.1025	.1644	.1472	.1333	.1220
.480	-4.49	.966	.730	11.51	.1534	.1352	.1207	.1089	.1741	.1559	.1414	.1296
.520	-1.08	.946	.805	11.96	.1661	.1474	.1325	.1204	.1877	.1689	.1540	.1419

RESISTANCE DATA SERIES 65-A MODEL 4966-1

LP/BPX = 6.60

DEADRISE ANGLE = 20.5 DEG

FNW = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	-0.01	.593	.414	5.73	.1110	.0974	.0866	.0779	.1251	.1114	.1006	.0920

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.68	.528	.368	4.32	.1627	.1523	.1441	.1375	.1733	.1629	.1547	.1481
.360	3.64	.620	.428	5.43	.1743	.1616	.1516	.1435	.1876	.1749	.1649	.1588
.400	2.65	.700	.478	6.56	.1779	.1627	.1511	.1415	.1939	.1790	.1671	.1576
.440	1.74	.802	.528	7.98	.1831	.1654	.1514	.1400	.2027	.1850	.1709	.1595
.480	.94	.929	.584	9.62	.1944	.1740	.1574	.1440	.2183	.1975	.1818	.1676
.520	.40	1.000	.644	10.57	.2065	.1840	.1661	.1516	.2323	.2099	.1920	.1775

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.13	.554	.377	5.05	.1655	.1535	.1441	.1365	.1770	.1659	.1564	.1488
.360	3.05	.634	.430	6.26	.1705	.1561	.1447	.1355	.1858	.1714	.1608	.1508
.400	2.00	.729	.482	7.67	.1769	.1597	.1461	.1351	.1957	.1785	.1649	.1539
.440	1.19	.854	.539	9.50	.1806	.1699	.1534	.1401	.2138	.1932	.1767	.1634
.480	.50	.956	.606	11.03	.2069	.1835	.1648	.1496	.2339	.2105	.1918	.1766
.520	-0.09	1.000	.725	11.86	.2193	.1946	.1749	.1589	.2483	.2236	.2039	.1879

RESISTANCE DATA SERIES 65-A MODEL 4966-1

LP/PPX = 6.60

DEADRISE ANGLE = 29.5 DEG

FNU = 4.00

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000												

LP/V(1/3) = 10.0				LP (FT) = 25.0 53.0 116.0 249.9				25.0 53.0 116.0 249.9				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)	-----				-----			
.320	2.00	.552	.357	5.75	.1547	.1369	.1231	.1120	.1727	.1557	.1415	.1304
.360	1.06	.676	.411	7.33	.1743	.1530	.1361	.1224	.1978	.1765	.1595	.1458
.400	3.04	.825	1.000	.65	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

RESISTANCE DATA SERIES 65-A MODEL 5204

LP/SPX = 9.34

DEADRISE ANGLE = 20.5 DEG

FNW = 1.00

WRIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.05	.795	.694	8.74	.0222	.0201	.0184	.0171	.0239	.0218	.0202	.0188
.360	1.93	1.000	.796	10.99	.0235	.0210	.0190	.0175	.0257	.0232	.0212	.0197
.400	.74	.995	.874	10.29	.0185	.0163	.0145	.0130	.0207	.0184	.0165	.0151
.440	-.27	1.000	1.000	9.91	.0162	.0140	.0122	.0108	.0182	.0160	.0142	.0128
.480	-1.20	1.000	1.000	9.47	.0157	.0136	.0119	.0106	.0176	.0155	.0138	.0125
.520	-2.07	1.000	.946	9.02	.0177	.0157	.0141	.0128	.0195	.0175	.0159	.0146

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.09	.916	.641	10.85	.0215	.0190	.0170	.0155	.0237	.0212	.0192	.0177
.360	1.02	.986	.685	10.71	.0173	.0148	.0129	.0114	.0194	.0170	.0151	.0135
.400	.18	.995	.783	10.73	.0156	.0131	.0113	.0097	.0177	.0153	.0134	.0119
.440	-.53	.994	.877	10.64	.0146	.0123	.0104	.0089	.0168	.0144	.0125	.0111
.480	-1.21	.996	.860	10.34	.0139	.0117	.0099	.0084	.0160	.0137	.0119	.0105
.520	-1.94	1.000	1.000	9.69	.0131	.0110	.0093	.0080	.0150	.0129	.0113	.0099

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.72	.926	.592	11.03	.0210	.0185	.0165	.0149	.0233	.0207	.0187	.0172
.360	.78	.984	.636	11.04	.0177	.0152	.0132	.0116	.0199	.0174	.0154	.0139
.400	.03	.992	.689	10.99	.0155	.0130	.0111	.0096	.0177	.0152	.0133	.0117
.440	-.61	.991	.749	10.84	.0141	.0116	.0098	.0082	.0162	.0138	.0119	.0104
.480	-1.24	.994	.821	10.57	.0131	.0108	.0090	.0075	.0152	.0129	.0111	.0096
.520	-1.96	1.000	.919	10.09	.0127	.0105	.0088	.0074	.0147	.0125	.0108	.0094

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.37	.913	.556	11.42	.0213	.0187	.0166	.0150	.0235	.0209	.0189	.0173
.360	.56	.975	.605	11.50	.0178	.0152	.0131	.0115	.0201	.0175	.0154	.0138
.400	-.09	.988	.651	11.41	.0147	.0121	.0101	.0085	.0170	.0144	.0124	.0108
.440	-.66	.992	.696	11.20	.0126	.0101	.0082	.0066	.0149	.0123	.0104	.0088
.480	-1.25	.994	.744	10.80	.0116	.0093	.0074	.0059	.0138	.0114	.0095	.0081
.520	-1.94	1.000	.903	10.06	.0129	.0107	.0089	.0076	.0149	.0127	.0109	.0096

RESISTANCE DATA

SERIES 65-A

MODEL 5204

LP/BPX = 9.34

DEADRISE ANGLE = 20.5 DEG

FNU = 1.25

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.0

43.1

92.0

200.0

20.0

43.1

92.0

200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.73	.956	.781	10.55	.0440	.0404	.0379	.0352	.0473	.0437	.0408	.0385
.400	1.33	.988	.848	10.55	.0365	.0332	.0304	.0281	.0401	.0365	.0337	.0314
.440	.26	.995	.952	10.32	.0299	.0265	.0237	.0216	.0332	.0297	.0270	.0248
.480	-.70	1.000	1.000	10.16	.0263	.0249	.0222	.0201	.0315	.0281	.0254	.0233
.520	-1.40	1.000	1.000	10.19	.0329	.0294	.0268	.0247	.0360	.0326	.0300	.0278

LP/V(1/3) = 9.0

LP (FT) = 22.5

48.5

104.4

225.0

22.5

48.5

104.4

225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.73	.862	.666	10.96	.0389	.0356	.0320	.0296	.0422	.0384	.0354	.0331
.360	1.57	.959	.712	11.30	.0343	.0304	.0274	.0250	.0378	.0340	.0310	.0286
.400	.60	.994	.855	11.64	.0298	.0259	.0229	.0205	.0334	.0296	.0265	.0241
.440	-.27	.997	1.000	11.77	.0255	.0216	.0186	.0162	.0291	.0253	.0223	.0198
.480	-1.04	.997	1.000	11.46	.0234	.0197	.0167	.0144	.0270	.0233	.0203	.0180
.520	-1.93	1.000	.966	10.35	.0247	.0213	.0186	.0165	.0279	.0245	.0219	.0197

LP/V(1/3) = 9.5

LP (FT) = 23.7

51.2

110.2

237.4

23.7

51.2

110.2

237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.33	.864	.633	11.35	.0369	.0331	.0300	.0276	.0405	.0366	.0335	.0311
.360	1.23	.973	.688	11.81	.0338	.0299	.0267	.0243	.0375	.0336	.0304	.0279
.400	.37	.993	.801	11.95	.0280	.0241	.0210	.0185	.0310	.0278	.0247	.0222
.440	-.27	.994	.891	11.91	.0240	.0202	.0171	.0146	.0278	.0239	.0208	.0184
.480	-1.05	.993	.979	11.65	.0211	.0174	.0144	.0120	.0248	.0210	.0180	.0157
.520	-1.88	1.000	1.000	11.08	.0223	.0187	.0159	.0136	.0257	.0222	.0194	.0171

LP/V(1/3) = 10.0

LP (FT) = 25.0

53.8

116.0

249.9

25.0

53.8

116.0

249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.90	.885	.601	11.76	.0353	.0313	.0282	.0257	.0390	.0350	.0318	.0293
.360	.89	.971	.644	12.01	.0301	.0261	.0230	.0204	.0339	.0299	.0267	.0242
.400	.16	.988	.698	11.91	.0254	.0215	.0184	.0159	.0292	.0252	.0221	.0196
.440	-.45	.991	.758	11.79	.0223	.0185	.0154	.0130	.0260	.0222	.0191	.0167
.480	-1.07	.993	.836	11.69	.0206	.0168	.0138	.0114	.0243	.0205	.0175	.0151
.520	-1.84	1.000	.959	11.69	.0215	.0177	.0148	.0124	.0251	.0214	.0184	.0161

RESISTANCE DATA SERIES 65-A MODEL 5204

LP/SPX = 9.34

DEADRISE ANGLE = 20.5 DEG

FNU = 1.50

WFLIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.03	.929	.751	10.09	.0657	.0600	.0570	.0539	.0702	.0654	.0615	.0585
.400	2.03	.978	.804	10.26	.0589	.0541	.0502	.0472	.0634	.0587	.0548	.0518
.440	.87	.992	.874	10.17	.0533	.0485	.0448	.0418	.0579	.0531	.0493	.0463
.480	-1.15	1.000	.984	9.69	.0479	.0434	.0398	.0370	.0522	.0477	.0442	.0413
.520	-1.09	1.000	1.000	9.80	.0407	.0367	.0336	.0310	.0447	.0407	.0375	.0350

LP/V(1/3) = 9.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.06	.793	.640	9.91	.0714	.0665	.0627	.0597	.0759	.0710	.0672	.0641
.360	2.73	.904	.712	10.36	.0619	.0569	.0530	.0499	.0666	.0616	.0577	.0546
.400	1.51	.975	.743	10.41	.0535	.0486	.0447	.0416	.0582	.0532	.0494	.0463
.440	.82	.995	.874	10.47	.0469	.0421	.0383	.0352	.0516	.0468	.0430	.0399
.480	-1.27	1.000	1.000	10.44	.0438	.0390	.0353	.0322	.0485	.0437	.0400	.0369
.520	-1.15	1.000	1.000	10.20	.0447	.0401	.0364	.0335	.0493	.0447	.0410	.0381

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.34	.807	.633	10.41	.0636	.0585	.0545	.0514	.0682	.0632	.0592	.0561
.360	2.10	.916	.680	10.70	.0566	.0515	.0476	.0444	.0614	.0564	.0524	.0492
.400	1.13	.993	.750	10.88	.0498	.0447	.0407	.0375	.0547	.0496	.0456	.0424
.440	.75	.997	.913	11.35	.0407	.0356	.0315	.0282	.0459	.0407	.0366	.0333
.480	-1.52	.997	1.000	11.73	.0361	.0310	.0270	.0238	.0412	.0361	.0321	.0288
.520	-1.29	.998	1.000	10.45	.0388	.0341	.0304	.0274	.0435	.0388	.0351	.0321

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.84	.807	.617	10.83	.0599	.0546	.0505	.0472	.0646	.0594	.0553	.0521
.360	1.68	.930	.665	11.18	.0519	.0467	.0426	.0393	.0570	.0517	.0476	.0443
.400	.78	.984	.708	11.69	.0436	.0383	.0340	.0307	.0489	.0435	.0393	.0359
.440	.37	.993	.963	12.12	.0362	.0308	.0265	.0231	.0417	.0363	.0320	.0285
.480	-1.64	.994	1.000	12.09	.0333	.0280	.0237	.0203	.0388	.0334	.0292	.0258
.520	-1.31	1.000	1.000	11.36	.0364	.0313	.0274	.0242	.0415	.0364	.0325	.0293

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.40	.818	.600	11.28	.0522	.0468	.0426	.0392	.0572	.0519	.0477	.0443
.360	1.23	.952	.671	11.99	.0435	.0380	.0336	.0301	.0489	.0434	.0390	.0355
.400	.47	.991	.798	12.41	.0367	.0311	.0267	.0231	.0423	.0367	.0322	.0287
.440	-1.16	.998	.937	12.59	.0329	.0272	.0227	.0192	.0385	.0329	.0284	.0248
.480	-1.72	.995	.971	12.55	.0318	.0262	.0218	.0183	.0375	.0319	.0275	.0240
.520	-1.37	1.000	.994	12.21	.0345	.0291	.0248	.0214	.0399	.0346	.0303	.0269

RESISTANCE DATA

SERIES 65-A

MODEL 5284

LP/RBX = 9.34

DEADRISE ANGLE = 20.5 DEG

FNW = 1.75

W/FIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.320	5.26	.731	.612	9.29	.0399	.0937	.0899	.0850	.1056	.0994	.0945	.0907
.360	3.70	.864	.695	9.50	.0845	.0704	.0736	.0698	.0904	.0842	.0794	.0756
.400	2.39	.965	.786	10.03	.0730	.0667	.0617	.0578	.0791	.0728	.0679	.0639
.440	1.23	.991	.867	10.53	.0642	.0577	.0526	.0484	.0707	.0642	.0590	.0549
.480	.11	1.000	.963	10.49	.0621	.0557	.0506	.0466	.0685	.0621	.0571	.0530
.520	-.64	1.000	1.000	9.94	.0664	.0603	.0556	.0517	.0724	.0664	.0616	.0578

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.320	4.44	.745	.607	9.52	.0909	.0878	.0789	.0750	.0959	.0896	.0847	.0808
.360	3.06	.866	.682	10.06	.0777	.0713	.0662	.0622	.0879	.0817	.0764	.0724
.400	1.87	.956	.731	10.17	.0654	.0595	.0545	.0505	.0770	.0717	.0667	.0627
.440	.76	.987	.834	10.05	.0599	.0526	.0477	.0437	.0644	.0588	.0539	.0500
.480	-.10	.994	.974	10.17	.0597	.0526	.0476	.0437	.0649	.0587	.0539	.0500
.520	-.77	1.000	1.000	10.63	.0625	.0562	.0511	.0471	.0690	.0627	.0577	.0536

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.320	3.70	.757	.602	10.02	.0912	.0847	.0796	.0755	.0873	.0809	.0757	.0717
.360	2.46	.875	.667	10.62	.0696	.0633	.0577	.0535	.0761	.0695	.0642	.0600
.400	1.38	.954	.707	10.79	.0689	.0542	.0490	.0448	.0675	.0609	.0556	.0514
.440	.69	.994	.862	10.60	.0547	.0482	.0431	.0390	.0612	.0549	.0497	.0456
.480	-.27	.997	1.000	10.52	.0529	.0457	.0408	.0368	.0594	.0522	.0472	.0432
.520	-1.01	.999	1.000	10.34	.0533	.0472	.0424	.0385	.0597	.0536	.0487	.0448

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.320	3.16	.768	.594	10.49	.0735	.0664	.0616	.0573	.0800	.0733	.0680	.0638
.360	1.94	.892	.640	11.01	.0639	.0571	.0516	.0473	.0706	.0638	.0584	.0541
.400	1.04	.974	.735	11.28	.0574	.0506	.0451	.0408	.0643	.0575	.0520	.0477
.440	.27	.992	.900	11.51	.0529	.0460	.0405	.0362	.0599	.0530	.0476	.0432
.480	-.29	.994	1.000	11.48	.0517	.0446	.0392	.0349	.0583	.0516	.0463	.0420
.520	-1.04	.995	1.000	11.13	.0533	.0464	.0417	.0375	.0601	.0536	.0485	.0443

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.320	2.77	.779	.578	10.89	.0667	.0599	.0544	.0501	.0734	.0665	.0611	.0567
.360	1.56	.913	.648	11.55	.0553	.0482	.0424	.0381	.0624	.0553	.0497	.0452
.400	.71	.970	.788	12.16	.0509	.0436	.0378	.0332	.0583	.0510	.0452	.0406
.440	.06	.987	.932	12.52	.0501	.0427	.0369	.0322	.0579	.0504	.0446	.0399
.480	-.49	.994	1.000	12.57	.0512	.0440	.0382	.0335	.0589	.0516	.0458	.0412
.520	-1.05	.998	1.000	12.12	.0549	.0479	.0414	.0369	.0614	.0544	.0488	.0444

RESISTANCE DATA SERIES 65-A MODEL 5204

LP/BPX = 9.34

DEAORISE ANGLE = 20.5 DEG

FNU = 2.00

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.1 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	5.73	.705	.596	9.52	.1129	.1048	.0994	.0933	.1215	.1124	.1060	.1009
.360	3.85	.835	.672	9.29	.0923	.0847	.0787	.0738	.0999	.0921	.0861	.0813
.400	2.73	.934	.746	9.63	.0839	.0761	.0700	.0651	.0916	.0838	.0777	.0728
.440	1.23	.990	.862	10.37	.0734	.0652	.0588	.0536	.0817	.0735	.0671	.0619
.480	.27	1.000	.949	11.06	.0729	.0643	.0575	.0520	.0818	.0732	.0664	.0609
.520	-.46	1.000	1.000	11.70	.0702	.0692	.0620	.0563	.0774	.0785	.0714	.0656

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.70	.714	.584	9.22	.0990	.0913	.0852	.0803	.1064	.0987	.0926	.0877
.360	3.24	.841	.660	9.62	.0877	.0799	.0737	.0688	.0954	.0876	.0814	.0764
.400	2.03	.940	.717	9.67	.0795	.0718	.0657	.0608	.0872	.0795	.0734	.0685
.440	.96	.989	.806	10.37	.0728	.0647	.0583	.0531	.0811	.0730	.0666	.0614
.480	.08	.994	.949	11.93	.0703	.0611	.0538	.0480	.0794	.0706	.0634	.0575
.520	-.64	1.000	1.000	12.73	.0722	.0625	.0548	.0486	.0723	.0726	.0650	.0588

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.98	.728	.580	9.49	.0926	.0847	.0786	.0736	.1082	.0923	.0861	.0812
.360	2.73	.840	.646	10.29	.0796	.0713	.0648	.0595	.0879	.0796	.0730	.0678
.400	1.52	.956	.695	10.52	.0718	.0635	.0570	.0517	.0802	.0719	.0654	.0601
.440	.64	.993	.832	11.04	.0666	.0575	.0503	.0445	.0761	.0679	.0614	.0560
.480	-.09	.997	.973	13.07	.0640	.0541	.0463	.0399	.0745	.0646	.0567	.0504
.520	-.82	.997	1.000	13.27	.0652	.0552	.0473	.0409	.0758	.0658	.0579	.0516

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.35	.741	.575	10.11	.0852	.0769	.0704	.0652	.0932	.0850	.0785	.0733
.360	2.11	.870	.626	10.86	.0734	.0652	.0584	.0529	.0825	.0739	.0671	.0616
.400	1.23	.963	.691	11.26	.0692	.0604	.0535	.0479	.0782	.0694	.0625	.0569
.440	.79	.990	.873	12.53	.0631	.0536	.0461	.0400	.0731	.0636	.0561	.0500
.480	-.27	.994	1.000	13.18	.0612	.0513	.0435	.0372	.0717	.0619	.0540	.0477
.520	-.87	.995	1.000	13.07	.0634	.0537	.0460	.0397	.0738	.0641	.0564	.0502

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.73	.760	.570	10.78	.0769	.0682	.0614	.0559	.0855	.0769	.0700	.0645
.360	1.68	.889	.620	11.47	.0675	.0585	.0514	.0457	.0767	.0677	.0606	.0548
.400	.83	.962	.757	12.27	.0624	.0531	.0456	.0396	.0722	.0629	.0554	.0495
.440	.14	.984	.916	12.93	.0607	.0511	.0434	.0372	.0711	.0614	.0537	.0476
.480	-.37	.993	1.000	13.15	.0617	.0520	.0443	.0381	.0722	.0625	.0548	.0486
.520	-.91	.997	1.000	12.88	.0653	.0558	.0483	.0422	.0756	.0661	.0586	.0525

RESISTANCE DATA

SERIES 65-A

MODEL 5204

LP/BPX = 9.34

DEADRISE ANGLE = 20.5 DEG

FWO = 2.50

WRIGHT = LTFT (L9, SEAWATER) = 1000 10000 100000 1000000 1370 10100 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0

20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	5.73	.724	.612	9.07	.1453	.1339	.1250	.1174	.1566	.1452	.1362	.1299
.400	3.69	.873	.700	9.79	.1174	.1055	.0961	.0885	.1206	.1177	.1143	.1087
.440	2.24	.991	.799	10.14	.1065	.0945	.0850	.0777	.1102	.1071	.1036	.0980
.480	1.09	1.000	.883	10.78	.1054	.0928	.0829	.0748	.1100	.1063	.1026	.0983
.520	.07	1.000	1.000	11.26	.1089	.0960	.0857	.0774	.1270	.1101	.1099	.0915

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5

21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	4.23	.758	.609	9.71	.1179	.1059	.0964	.0888	.1300	.1180	.1085	.1009
.400	2.77	.892	.692	9.96	.1070	.0951	.0856	.0781	.1104	.1075	.1040	.0984
.440	1.52	.994	.749	9.81	.1009	.0894	.0803	.0729	.1172	.1017	.1025	.0852
.480	.64	1.000	.845	10.18	.1012	.0895	.0801	.0726	.1179	.1022	.1029	.0853
.520	-.27	1.000	1.000	11.49	.1081	.0951	.0847	.0763	.1225	.1094	.1091	.0907

LP/V(1/3) = 9.0

LP (FT) = 22.5 49.5 104.4 225.0

22.5 49.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.65	.668	.539	9.35	.1151	.1034	.0942	.0867	.1268	.1151	.1058	.0984
.360	2.90	.805	.619	10.01	.0991	.0869	.0773	.0696	.1114	.0994	.0899	.0821
.400	1.72	.910	.666	10.14	.0977	.0817	.0722	.0645	.1063	.0943	.0848	.0772
.440	.82	.945	.783	10.62	.0926	.0803	.0706	.0627	.1059	.0936	.0838	.0760
.480	.05	.995	.943	11.37	.0943	.0814	.0711	.0628	.1085	.0956	.0853	.0770
.520	-.60	1.000	1.000	11.83	.0987	.0855	.0749	.0664	.1135	.1002	.0897	.0812

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4

23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.87	.694	.537	9.68	.1041	.0961	.0866	.0790	.1201	.1082	.0987	.0911
.360	2.33	.828	.600	10.51	.0967	.0841	.0741	.0661	.1098	.0972	.0873	.0792
.400	1.37	.943	.665	10.86	.0942	.0815	.0715	.0634	.1074	.0951	.0850	.0769
.440	.55	.981	.829	11.69	.0919	.0785	.0679	.0593	.1064	.0931	.0825	.0739
.480	-.09	.992	.969	12.31	.0919	.0781	.0671	.0583	.1077	.0935	.0825	.0737
.520	-.69	.995	1.000	12.52	.0957	.0818	.0707	.0619	.1113	.0974	.0863	.0774

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9

25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.16	.793	.532	10.22	.1016	.0891	.0793	.0713	.1144	.1019	.0920	.0841
.360	1.83	.854	.588	11.11	.0933	.0802	.0698	.0614	.1077	.0941	.0837	.0753
.400	.99	.940	.701	11.94	.0891	.0754	.0645	.0557	.1040	.0903	.0794	.0706
.440	.33	.974	.874	12.80	.0864	.0720	.0606	.0514	.1024	.0880	.0766	.0674
.480	-.21	.990	1.000	13.24	.0874	.0727	.0611	.0517	.1029	.0883	.0766	.0682
.520	-.72	.998	1.000	13.26	.0922	.0777	.0661	.0564	.1088	.0942	.0827	.0733

RESISTANCE DATA SERIES 65-A MODEL 5204

LP/SPX = 9.34

DEADRISE ANGLE = 20.5 DEG

FNW = 3.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.28	.700	.524	7.68	.0894	.0759	.0653	.0567	.1032	.0897	.0791	.0705
.760	.80	.784	.607	7.49	.0935	.0807	.0706	.0624	.1078	.0942	.0840	.0759
.400	-.74	.757	.914	7.4	.1096	.0941	.0817	.0718	.1266	.1111	.0987	.0888

LP/V(1/3) = 9.0

LP (FT) = 22.5 44.5 104.4 225.0 22.5 44.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.93	.704	.557	9.72	.1217	.1050	.0917	.0811	.1392	.1224	.1092	.0985
.400	2.00	.846	.636	10.17	.1180	.1012	.0878	.0770	.1343	.1195	.1061	.0953
.440	.93	.975	.753	10.31	.1210	.1044	.0912	.0805	.1396	.1230	.1097	.0991
.480	.03	.993	.947	10.96	.1286	.1114	.0976	.0865	.1444	.1311	.1173	.1062
.520	-.71	1.000	1.000	11.57	.1381	.1201	.1058	.0942	.1509	.1409	.1266	.1150

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	5.73	.570	.469	7.59	.1432	.1298	.1191	.1106	.1569	.1434	.1328	.1242
.360	3.46	.710	.544	10.71	.1247	.1072	.0932	.0820	.1433	.1257	.1118	.1006
.400	1.73	.896	.623	10.61	.1240	.1066	.0928	.0817	.1431	.1257	.1119	.1008
.440	.74	.977	.774	11.14	.1246	.1068	.0927	.0812	.1447	.1270	.1128	.1013
.480	.01	1.000	.960	11.99	.1275	.1088	.0940	.0819	.1490	.1304	.1155	.1035
.520	-.66	1.000	1.000	12.40	.1357	.1166	.1014	.0891	.1580	.1389	.1237	.1114

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.52	.598	.473	9.48	.1277	.1112	.0981	.0876	.1448	.1283	.1152	.1047
.360	2.30	.774	.547	10.51	.1206	.1031	.0891	.0779	.1395	.1220	.1081	.0968
.400	1.23	.982	.624	10.93	.1208	.1031	.0890	.0776	.1405	.1228	.1087	.0973
.440	.34	.961	.847	12.29	.1179	.0987	.0834	.0710	.1401	.1208	.1055	.0931
.480	-.27	.988	1.000	13.02	.1217	.1018	.0858	.0729	.1441	.1252	.1092	.0963
.520	-.74	1.000	1.000	13.67	.1312	.1113	.0955	.0826	.1547	.1348	.1190	.1061

RESISTANCE DATA SERIES 65-A MODEL 9204

LP/SPX = 9.34

DEADRISE ANGLE = 20.5 DEG

FW = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	5.73	.535	.439	4.24	.1704	.1604	.1524	.1460	.1809	.1709	.1629	.1565
.360	4.47	.628	.498	7.22	.1496	.1332	.1202	.1097	.1672	.1508	.1378	.1273
.400	3.27	.730	.557	10.26	.1534	.1300	.1127	.0981	.1786	.1559	.1378	.1233
.440	1.98	.900	.619	11.88	.1616	.1362	.1160	.0996	.1907	.1653	.1451	.1287
.480	.69	1.000	.831	12.63	.1779	.1420	.1312	.1145	.2000	.1829	.1622	.1454
.520	-.08	1.000	1.000	13.47	.1946	.1717	.1501	.1326	.2316	.2046	.1831	.1656

RESISTANCE DATA SERIES 65-A MOOFL 9250

LP/MPX = 6.60

DEADWISE ANGLE = 27.7 DEG

FNU = 1.00

WEIGHT = LIFT (LW, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.60	.943	.450	6.04	.0357	.0342	.0330	.0321	.0369	.0354	.0343	.0333
.400	.72	.980	.489	5.93	.0280	.0266	.0254	.0245	.0292	.0277	.0266	.0257
.440	-1.05	.998	.511	5.84	.0244	.0230	.0219	.0210	.0245	.0231	.0220	.0212
.480	-2.60	1.000	1.000	5.80	.0292	.0279	.0268	.0260	.0314	.0299	.0288	.0279

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.67	.970	.535	5.91	.0384	.0369	.0357	.0348	.0396	.0381	.0369	.0360
.360	1.66	.970	.574	6.20	.0299	.0284	.0272	.0262	.0312	.0297	.0285	.0275
.400	.11	.987	.617	6.22	.0247	.0234	.0224	.0214	.0266	.0251	.0240	.0231
.440	-1.37	.984	.671	6.15	.0210	.0200	.0192	.0183	.0230	.0215	.0204	.0195
.480	-2.87	1.000	.891	6.07	.0221	.0207	.0196	.0188	.0237	.0221	.0210	.0200
.520	-3.96	1.000	1.000	6.79	.0215	.0205	.0194	.0186	.0230	.0216	.0206	.0198

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.47	.993	.672	6.15	.0311	.0296	.0284	.0274	.0327	.0310	.0296	.0287
.360	.97	.973	.686	6.41	.0282	.0266	.0253	.0244	.0295	.0279	.0266	.0257
.400	-1.79	.986	.647	6.32	.0211	.0194	.0183	.0174	.0223	.0208	.0196	.0186
.440	-1.62	.983	.501	6.13	.0175	.0163	.0152	.0143	.0191	.0176	.0164	.0155
.480	-2.87	.988	.544	6.04	.0179	.0165	.0153	.0144	.0191	.0177	.0165	.0156
.520	-3.85	.999	.771	6.20	.0146	.0132	.0120	.0111	.0149	.0134	.0123	.0114

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.84	.997	.615	6.41	.0297	.0281	.0269	.0259	.0310	.0294	.0282	.0272
.360	.56	.970	.614	6.67	.0252	.0236	.0224	.0214	.0266	.0250	.0237	.0227
.400	-1.53	.984	.611	6.53	.0205	.0189	.0177	.0167	.0219	.0202	.0190	.0180
.440	-1.70	.980	.489	6.45	.0181	.0165	.0153	.0143	.0194	.0179	.0166	.0156
.480	-2.87	.994	.477	6.57	.0161	.0145	.0132	.0122	.0174	.0158	.0145	.0135
.520	-3.74	1.000	.481	6.04	.0133	.0117	.0104	.0093	.0147	.0130	.0118	.0107

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.0 98.6 212.5 21.2 45.0 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.34	.980	.375	6.70	.0291	.0264	.0252	.0241	.0294	.0279	.0265	.0255
.360	.21	.962	.372	6.92	.0238	.0221	.0208	.0198	.0257	.0235	.0222	.0211
.400	-1.02	.984	.364	6.95	.0209	.0192	.0179	.0169	.0223	.0206	.0193	.0183
.440	-1.86	.980	.350	6.99	.0192	.0175	.0162	.0151	.0206	.0189	.0176	.0165
.480	-2.81	.991	.317	7.04	.0154	.0141	.0128	.0117	.0177	.0155	.0142	.0131
.520	-3.61	1.000	.269	7.04	.0133	.0116	.0102	.0092	.0147	.0120	.0107	.0096

LP/V(1/3) = 9.0 LP (FT) = 22.5 46.5 104.4 225.0 22.5 46.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	.97	.991	.343	6.94	.0281	.0267	.0253	.0243	.0297	.0280	.0267	.0257
.360	-0.02	.955	.334	7.24	.0227	.0209	.0196	.0185	.0242	.0224	.0210	.0199
.400	-1.07	.986	.320	7.52	.0200	.0182	.0169	.0156	.0215	.0197	.0183	.0171
.440	-1.91	.988	.291	7.62	.0199	.0180	.0166	.0155	.0214	.0196	.0181	.0170
.480	-2.76	.987	.212	7.33	.0174	.0156	.0142	.0131	.0189	.0171	.0157	.0146
.520	-3.53	.997	.109	6.61	.0147	.0129	.0115	.0105	.0120	.0104	.0091	.0081

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	.76	.973	.311	7.14	.0255	.0240	.0224	.0213	.0269	.0252	.0236	.0225
.360	-0.21	.951	.299	7.46	.0206	.0188	.0174	.0162	.0222	.0203	.0189	.0178
.400	-1.09	.983	.269	8.13	.0189	.0169	.0154	.0142	.0205	.0185	.0170	.0159
.440	-1.92	.986	.215	8.26	.0201	.0181	.0166	.0153	.0210	.0190	.0175	.0164
.480	-2.67	.985	.130	7.76	.0190	.0170	.0156	.0144	.0205	.0186	.0171	.0159
.520	-3.36	.992	.041	6.98	.0134	.0118	.0105	.0095	.0140	.0121	.0108	.0098

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	.53	.966	.279	7.42	.0270	.0252	.0238	.0227	.0285	.0267	.0253	.0242
.360	-1.36	.948	.259	8.09	.0181	.0162	.0147	.0135	.0198	.0179	.0163	.0151
.400	-1.10	.970	.216	8.73	.0177	.0156	.0140	.0127	.0195	.0176	.0158	.0145
.440	-1.93	.984	.156	8.90	.0190	.0170	.0154	.0140	.0216	.0194	.0177	.0164
.480	-2.61	.984	.086	8.31	.0197	.0177	.0161	.0148	.0214	.0193	.0177	.0165
.520	-3.25	.989	.008	6.86	.0156	.0130	.0115	.0104	.0169	.0152	.0134	.0120

RESISTANCE DATA SERIES 65-A MODFL 5250

LP/ARK = 6.60

HEARDISE ANGLE = 27.7 DEG

FNU = 1.25

WRIGHT = LIFT (LR, SEAWATER) = 1001 1000 10000 100000 1000 1000 10000 100000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.360	3.97	.496	.672	5.89	.0746	.0722	.1705	.0692	.0763	.0741	.1724	.0710
.400	1.49	.970	.750	6.17	.0598	.0576	.0559	.0545	.0610	.0588	.0579	.0564
.440	.26	.993	.622	6.64	.0540	.0529	.0512	.0498	.0549	.0544	.0531	.0517
.480	-1.30	.999	.057	5.74	.0542	.0522	.0506	.0493	.0560	.0540	.0524	.0511
.520	-2.94	1.000	1.000	5.55	.0546	.0524	.0511	.0499	.0563	.0544	.0529	.0517

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.360	2.97	.927	.637	6.33	.0617	.0594	.1576	.0562	.0637	.0614	.0596	.0581
.400	1.17	.978	.701	6.42	.0527	.0503	.1445	.0471	.0547	.0524	.0506	.0491
.440	-.24	.988	.750	6.36	.0477	.0454	.1437	.0423	.0497	.0474	.0457	.0443
.480	-1.76	.997	.753	6.22	.0466	.0425	.0408	.0394	.0464	.0444	.0427	.0413
.520	-3.17	1.000	1.000	5.97	.0469	.0449	.1433	.0420	.0469	.0469	.0461	.0439

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 97.0 197.5 18.7 40.4 97.0 197.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.320	2.97	.799	.525	5.04	.0675	.0654	.1637	.0627	.0695	.0673	.0655	.0642
.360	1.94	.926	.580	6.70	.0525	.0501	.1442	.0467	.0544	.0522	.0503	.0488
.400	.52	.982	.619	6.81	.0457	.0433	.1414	.0398	.0474	.0454	.0435	.0420
.440	-.76	.988	.691	6.87	.0407	.0383	.1365	.0350	.0427	.0404	.0385	.0371
.480	-2.07	.996	.747	6.53	.0371	.0348	.0330	.0316	.0391	.0369	.0351	.0336
.520	-3.25	1.000	.509	6.35	.0402	.0379	.0361	.0347	.0422	.0399	.0381	.0367

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.320	2.91	.912	.511	6.66	.0585	.0561	.0542	.0529	.0604	.0581	.0563	.0548
.360	1.24	.942	.457	6.77	.0470	.0445	.0426	.0411	.0491	.0466	.0447	.0432
.400	.06	.980	.458	6.64	.0413	.0389	.0371	.0356	.0434	.0410	.0392	.0377
.440	-1.03	.988	.480	6.81	.0371	.0348	.0329	.0315	.0391	.0368	.0350	.0335
.480	-2.24	.997	.455	6.55	.0361	.0317	.0299	.0284	.0361	.0334	.0316	.0300
.520	-3.26	.997	.491	6.90	.0351	.0325	.0305	.0289	.0372	.0346	.0327	.0311

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.9 94.6 212.5 21.2 45.9 94.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.320	2.07	.942	.416	6.81	.0522	.0498	.0479	.0464	.0543	.0519	.0500	.0485
.360	.74	.963	.345	6.89	.0424	.0400	.0381	.0366	.0445	.0421	.0402	.0386
.400	-.28	.977	.347	6.60	.0387	.0363	.0344	.0329	.0407	.0383	.0365	.0350
.440	-1.32	.988	.318	6.82	.0355	.0331	.0312	.0299	.0376	.0352	.0333	.0318
.480	-2.34	.999	.267	6.86	.0329	.0304	.0284	.0268	.0350	.0325	.0306	.0290
.520	-3.25	.994	.201	7.31	.0311	.0284	.0263	.0246	.0334	.0307	.0286	.0269

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.320	1.62	.951	.374	6.85	.0460	.0435	.0416	.0401	.0480	.0456	.0437	.0422
.360	.40	.963	.308	6.82	.0391	.0369	.0349	.0334	.0414	.0390	.0370	.0355
.400	-.53	.980	.299	6.99	.0384	.0353	.0334	.0320	.0400	.0375	.0355	.0340
.440	-1.49	.988	.264	7.29	.0334	.0312	.0291	.0275	.0361	.0334	.0314	.0297
.480	-2.40	.997	.199	7.44	.0314	.0291	.0270	.0253	.0342	.0314	.0293	.0276
.520	-3.21	.991	.107	7.31	.0291	.0264	.0243	.0226	.0314	.0287	.0266	.0249

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.320	1.14	.945	.297	6.74	.0424	.0404	.0385	.0369	.0457	.0425	.0406	.0390
.360	.17	.979	.240	7.17	.0364	.0342	.0322	.0306	.0390	.0364	.0344	.0329
.400	-.77	.974	.254	7.60	.0334	.0306	.0285	.0269	.0357	.0330	.0309	.0292
.440	-1.62	.997	.224	8.05	.0327	.0298	.0276	.0258	.0353	.0324	.0301	.0283
.480	-2.47	.995	.152	8.01	.0317	.0287	.0265	.0246	.0347	.0312	.0290	.0271
.520	-3.16	.999	.049	7.74	.0287	.0260	.0238	.0221	.0310	.0281	.0261	.0244

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(TRG)	LP	LP	V(2/3)								
.320	.85	.919	.266	6.99	.0413	.0387	.0368	.0352	.0435	.0409	.0389	.0374
.360	-.08	.927	.252	7.63	.0364	.0336	.0314	.0297	.0367	.0339	.0319	.0301
.400	-.80	.974	.227	8.79	.0315	.0286	.0263	.0244	.0341	.0312	.0289	.0270
.440	-1.70	.984	.181	8.79	.0321	.0290	.0265	.0244	.0349	.0317	.0293	.0273
.480	-2.44	.994	.119	8.57	.0319	.0284	.0263	.0244	.0346	.0315	.0290	.0271
.520	-3.11	.997	.015	7.52	.0291	.0263	.0241	.0224	.0314	.0287	.0265	.0246

RESISTANCE DATA SERIES 85-A MONFL 5250

LP/MPX = 6.60 DRAWDING ANGLE = 77.7 DEG FNU = 1.45

WEIGHT = LIFT (LN, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	2.89	.946	.734	6.81	.0881	.0850	.0827	.0808	.0908	.0877	.0854	.0835
.400	.97	.947	.855	6.87	.0766	.0736	.0713	.0694	.0794	.0764	.0740	.0721
.480	-1.53	.947	.923	5.89	.0761	.0732	.0710	.0692	.0788	.0759	.0736	.0718
.520	-1.77	1.300	.987	5.83	.0759	.0731	.0709	.0691	.0785	.0757	.0735	.0717

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	3.97	.935	.686	5.97	.0842	.0812	.0806	.0869	.0949	.0928	.0915	.0896
.400	1.84	.957	.732	6.67	.0740	.0749	.0722	.0702	.0810	.0777	.0752	.0732
.480	-.52	.946	.802	6.41	.0713	.0681	.0656	.0636	.0742	.0710	.0685	.0665
.520	-.81	.940	.894	6.41	.0678	.0647	.0623	.0604	.0707	.0676	.0652	.0632
	-2.15	.949	1.000	6.36	.0665	.0635	.0611	.0592	.0694	.0663	.0640	.0621

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	2.91	.886	.637	6.74	.0827	.0791	.0767	.0746	.0857	.0824	.0797	.0776
.400	1.29	.958	.691	7.05	.0809	.0859	.0828	.0806	.0721	.0697	.0659	.0638
.480	.84	.985	.768	7.07	.0834	.0804	.0777	.0755	.0679	.0635	.0588	.0567
.520	-1.20	.991	.904	7.05	.0855	.0862	.0835	.0814	.0627	.0593	.0567	.0546
	-2.47	.999	.890	6.88	.0887	.0854	.0828	.0808	.0618	.0585	.0559	.0539

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	3.97	.744	.535	6.32	.0830	.0809	.0873	.0853	.0859	.0827	.0801	.0801
.360	2.04	.876	.576	7.03	.0766	.0711	.0684	.0662	.0770	.0747	.0716	.0694
.400	.72	.967	.502	6.87	.0634	.0601	.0574	.0553	.0666	.0632	.0605	.0584
.440	-1.36	.944	.531	6.67	.0596	.0563	.0537	.0517	.0626	.0593	.0567	.0546
.480	-1.48	.991	.545	6.65	.0564	.0512	.0487	.0466	.0574	.0542	.0516	.0496
.520	-2.46	.995	.495	6.85	.0537	.0504	.0477	.0456	.0560	.0534	.0508	.0487

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	2.92	.766	.545	6.05	.0827	.0793	.0766	.0745	.0858	.0824	.0797	.0776
.360	1.40	.897	.592	6.75	.0670	.0636	.0609	.0588	.0700	.0666	.0639	.0618
.400	-.26	.962	.523	6.39	.0592	.0560	.0535	.0515	.0621	.0589	.0563	.0543
.440	-1.69	.984	.514	6.20	.0555	.0524	.0500	.0480	.0583	.0552	.0527	.0508
.480	-1.88	.989	.579	6.43	.0513	.0477	.0452	.0432	.0534	.0506	.0481	.0461
.520	-2.62	.993	.504	6.97	.0502	.0467	.0439	.0417	.0534	.0499	.0470	.0448

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	2.19	.792	.599	6.65	.0714	.0681	.0654	.0633	.0744	.0711	.0684	.0663
.360	.97	.892	.595	6.50	.0580	.0547	.0521	.0500	.0610	.0577	.0551	.0530
.400	-.05	.958	.571	6.44	.0544	.0512	.0486	.0466	.0573	.0541	.0515	.0495
.440	-.95	.946	.545	6.61	.0512	.0479	.0453	.0432	.0541	.0508	.0482	.0462
.480	-1.85	.948	.591	7.10	.0472	.0436	.0408	.0385	.0504	.0468	.0440	.0417
.520	-2.69	.947	.514	7.52	.0452	.0424	.0393	.0369	.0496	.0457	.0427	.0403

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	1.64	.883	.582	6.54	.0609	.0575	.0549	.0528	.0638	.0605	.0579	.0558
.360	.56	.892	.581	6.68	.0525	.0491	.0465	.0444	.0555	.0521	.0495	.0474
.400	-.30	.959	.562	6.81	.0510	.0476	.0449	.0428	.0540	.0507	.0480	.0459
.440	-1.14	.945	.589	7.36	.0470	.0442	.0413	.0390	.0512	.0475	.0446	.0423
.480	-2.03	.946	.545	7.96	.0444	.0404	.0372	.0347	.0480	.0440	.0408	.0383
.520	-2.72	.945	.576	8.07	.0436	.0394	.0362	.0336	.0472	.0430	.0398	.0372

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.4 116.8 249.9 25.0 53.4 116.8 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.320	1.23	.883	.598	6.64	.0535	.0502	.0476	.0455	.0566	.0532	.0506	.0485
.360	.20	.893	.598	6.98	.0492	.0457	.0430	.0408	.0524	.0489	.0461	.0439
.400	-.53	.962	.513	7.40	.0464	.0440	.0419	.0396	.0510	.0471	.0442	.0420
.440	-1.29	.981	.510	8.22	.0457	.0416	.0384	.0359	.0496	.0453	.0421	.0396
.480	-2.03	.946	.529	8.74	.0436	.0390	.0356	.0329	.0473	.0430	.0395	.0368
.520	-2.74	.944	.548	8.98	.0423	.0380	.0346	.0318	.0462	.0414	.0378	.0357

RESISTANCE DATA SERIES 65-A MODEL 5250

LP/DPK = 6.60

DEADRISE ANGLE = 27.7 DEG

FNO = 1.75

WEIGHT = LIFT (LH, SEANATFR) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.400	3.26	.933	.705	5.06	.1844	.1805	.0974	.0940	.1040	.1041	.1010	.0906
.440	1.49	.904	.613	5.91	.0971	.0883	.0852	.0828	.0957	.0919	.0800	.0864
.480	-.04	.994	.484	5.75	.0879	.0842	.0813	.0789	.0814	.0877	.0844	.0825
.520	-1.40	1.000	.963	6.03	.0903	.0865	.0834	.0810	.0940	.0902	.0871	.0847

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	4.24	.798	.615	5.72	.1111	.1072	.1042	.1019	.1145	.1107	.1077	.1053
.400	2.27	.918	.709	6.43	.0917	.0875	.0842	.0815	.0956	.0914	.0881	.0855
.440	.61	.980	.770	6.34	.0834	.0793	.0761	.0735	.0873	.0832	.0800	.0774
.480	-.57	.945	.652	6.24	.0816	.0776	.0744	.0719	.0854	.0814	.0783	.0757
.520	-1.80	.945	1.000	6.51	.0814	.0773	.0741	.0715	.0854	.0813	.0781	.0755

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.23	.875	.614	5.54	.0980	.0937	.0902	.0875	.1020	.0977	.0943	.0915
.400	1.56	.939	.676	6.04	.0931	.0886	.0851	.0823	.0974	.0929	.0893	.0865
.440	.34	.941	.750	6.09	.0865	.0820	.0785	.0757	.0904	.0861	.0826	.0798
.480	-1.76	.948	.651	7.03	.0829	.0784	.0749	.0722	.0872	.0829	.0793	.0765
.520	-2.87	.997	.944	7.14	.0845	.0790	.0755	.0727	.0878	.0834	.0799	.0761

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.30	.733	.517	6.22	.1044	.1006	.1023	.0997	.1135	.1096	.1061	.1035
.360	2.47	.831	.596	6.09	.0894	.0853	.0817	.0789	.0941	.0895	.0854	.0821
.400	.97	.949	.569	7.08	.0772	.0727	.0690	.0662	.0816	.0770	.0734	.0705
.440	-.84	.978	.524	6.64	.0730	.0687	.0653	.0626	.0771	.0724	.0684	.0656
.480	-1.87	.989	.639	6.72	.0691	.0655	.0621	.0594	.0739	.0696	.0662	.0635
.520	-2.83	.943	.731	7.16	.0641	.0606	.0561	.0537	.0685	.0640	.0604	.0562

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.31	.731	.547	6.47	.0944	.0901	.0866	.0837	.1025	.0981	.0947	.0919
.360	1.74	.857	.500	7.01	.0826	.0780	.0744	.0714	.0869	.0823	.0787	.0758
.400	.59	.941	.380	6.63	.0739	.0695	.0661	.0634	.0779	.0736	.0702	.0674
.440	-1.35	.977	.244	5.96	.0718	.0674	.0647	.0622	.0765	.0721	.0684	.0659
.480	-1.29	.989	.344	6.32	.0678	.0637	.0604	.0578	.0717	.0675	.0643	.0616
.520	-2.28	.940	.444	7.12	.0661	.0615	.0578	.0544	.0684	.0654	.0622	.0593

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.60	.751	.474	6.84	.0897	.0851	.0816	.0788	.0979	.0933	.0898	.0869
.360	1.24	.861	.386	6.03	.0738	.0692	.0656	.0627	.0780	.0734	.0699	.0670
.400	.26	.937	.242	6.37	.0692	.0650	.0617	.0590	.0731	.0689	.0656	.0629
.440	-.53	.974	.211	5.97	.0646	.0604	.0565	.0530	.0673	.0633	.0592	.0567
.480	-1.44	.989	.296	6.64	.0642	.0598	.0563	.0535	.0683	.0644	.0604	.0576
.520	-2.26	.987	.226	7.46	.0626	.0576	.0537	.0504	.0671	.0622	.0582	.0552

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.81	.767	.364	6.77	.0797	.0762	.0727	.0698	.0826	.0783	.0744	.0720
.360	.88	.858	.307	6.80	.0659	.0614	.0579	.0551	.0671	.0636	.0602	.0572
.400	-.81	.936	.231	6.42	.0656	.0613	.0580	.0553	.0695	.0652	.0619	.0593
.440	-.78	.979	.174	6.54	.0649	.0605	.0571	.0544	.0689	.0645	.0611	.0584
.480	-1.57	.987	.134	7.38	.0610	.0561	.0522	.0491	.0655	.0606	.0567	.0537
.520	-2.32	.985	.115	8.06	.0592	.0538	.0495	.0462	.0641	.0587	.0545	.0511

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.55	.772	.240	6.60	.0682	.0638	.0603	.0575	.0673	.0629	.0584	.0561
.360	.57	.868	.249	6.78	.0614	.0569	.0534	.0506	.0655	.0611	.0575	.0547
.400	-.21	.936	.200	6.77	.0634	.0590	.0555	.0527	.0676	.0631	.0596	.0568
.440	-.94	.975	.150	7.32	.0624	.0576	.0530	.0508	.0669	.0621	.0583	.0553
.480	-1.66	.994	.103	8.23	.0587	.0532	.0489	.0455	.0637	.0582	.0540	.0505
.520	-2.76	.994	.060	8.78	.0566	.0508	.0461	.0425	.0620	.0561	.0515	.0479

RESISTANCE DATA SERIES 65-A MODEL 5250

LP/DPX = 6.60

DEADRISE ANGLE = 27.7 DEG

PMU = 2.00

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	3.02	.884	.691	5.83	.1212	.1163	.1124	.1093	.1259	.1209	.1170	.1139
.440	1.75	.970	.773	5.87	.1060	.1011	.0972	.0941	.1106	.1056	.1019	.0988
.480	.05	.989	.866	5.69	.0902	.0835	.0800	.0760	.1027	.0960	.0943	.0914
.520	-1.47	1.000	.909	5.72	.1075	.1020	.0991	.0962	.1121	.1074	.1037	.1000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.400	2.47	.920	.691	6.37	.1044	.0995	.0953	.0919	.1099	.1046	.1004	.0970
.440	.97	.976	.738	6.27	.0942	.0890	.0849	.0817	.0992	.0940	.0900	.0867
.480	-1.31	.988	.811	6.12	.0923	.0873	.0833	.0802	.0972	.0922	.0882	.0851
.520	-1.58	.999	.951	6.44	.0956	.0905	.0864	.0831	.1008	.0956	.0916	.0883

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	3.59	.793	.687	6.31	.1122	.1060	.1026	.0997	.1172	.1119	.1076	.1043
.400	1.72	.922	.647	6.76	.0953	.0897	.0853	.0818	.1007	.0951	.0907	.0872
.440	.97	.976	.713	6.87	.0889	.0832	.0780	.0752	.0943	.0887	.0842	.0807
.480	-1.53	.986	.789	6.84	.0836	.0781	.0738	.0703	.0891	.0836	.0792	.0757
.520	-1.76	.994	.887	7.10	.0889	.0832	.0787	.0751	.0945	.0889	.0844	.0808

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	2.47	.821	.565	6.64	.0977	.0922	.0878	.0843	.1030	.0975	.0931	.0896
.400	1.17	.925	.624	7.19	.0892	.0833	.0787	.0749	.0949	.0891	.0844	.0807
.440	.13	.971	.546	6.79	.0847	.0787	.0743	.0708	.0897	.0842	.0798	.0762
.480	-1.06	.989	.587	6.70	.0822	.0760	.0725	.0690	.0876	.0821	.0778	.0744
.520	-1.89	.993	.845	7.47	.0844	.0785	.0739	.0701	.0904	.0845	.0798	.0761

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.55	.709	.489	6.29	.1071	.1017	.0975	.0941	.1121	.1067	.1025	.0991
.360	1.87	.812	.560	7.12	.0912	.0853	.0807	.0770	.0969	.0917	.0864	.0827
.400	.74	.921	.499	7.13	.0843	.0784	.0738	.0701	.0900	.0841	.0795	.0758
.440	-1.19	.959	.401	6.89	.0802	.0791	.0751	.0716	.0891	.0840	.0799	.0767
.480	-1.89	.999	.483	6.36	.0825	.0774	.0732	.0699	.0877	.0825	.0783	.0750
.520	-2.03	.990	.675	7.57	.0810	.0757	.0710	.0672	.0879	.0819	.0770	.0732

LP/V(1/3) = 9.0 LP (FT) = 22.5 49.5 104.4 225.0 22.5 49.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.79	.729	.495	6.90	.0993	.0926	.0880	.0843	.1039	.0981	.0935	.0899
.360	1.37	.840	.509	7.52	.0882	.0800	.0732	.0693	.0892	.0841	.0797	.0753
.400	.39	.920	.357	6.78	.0804	.0752	.0707	.0672	.0862	.0806	.0761	.0726
.440	-1.43	.974	.194	5.86	.0815	.0766	.0726	.0694	.0862	.0812	.0773	.0742
.480	-1.24	.999	.211	6.46	.0883	.0849	.0786	.0752	.0955	.0900	.0858	.0823
.520	-2.03	.996	.376	7.49	.0801	.0742	.0693	.0654	.0863	.0801	.0753	.0714

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.14	.748	.460	7.35	.0889	.0828	.0779	.0741	.0940	.0886	.0839	.0800
.360	.97	.841	.415	7.52	.0782	.0720	.0671	.0632	.0842	.0789	.0731	.0692
.400	.12	.922	.261	6.57	.0776	.0721	.0670	.0633	.0829	.0774	.0730	.0696
.440	-1.53	.972	.164	6.02	.0747	.0736	.0696	.0654	.0839	.0784	.0744	.0712
.480	-1.35	.987	.090	6.86	.0780	.0722	.0676	.0639	.0875	.0816	.0770	.0730
.520	-2.03	.996	.121	7.72	.0784	.0719	.0667	.0626	.0846	.0789	.0729	.0688

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	1.65	.758	.395	7.41	.0805	.0745	.0696	.0657	.0866	.0804	.0755	.0716
.360	.60	.844	.312	7.22	.0746	.0684	.0636	.0599	.0801	.0741	.0694	.0656
.400	-1.08	.923	.200	6.64	.0753	.0697	.0654	.0619	.0806	.0751	.0707	.0672
.440	-1.75	.970	.122	6.67	.0763	.0707	.0663	.0627	.0817	.0760	.0716	.0681
.480	-1.44	.993	.028	7.83	.0759	.0695	.0644	.0604	.0819	.0755	.0704	.0664
.520	-2.12	.994	.022	8.33	.0762	.0690	.0636	.0590	.0828	.0757	.0701	.0656

RESISTANCE DATA FRIES 65-A MODEL 5250

LP/PPH = 6.60

DEADWISE ANGLE = 27.7 DEG

FNV = 2.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.440	3.93	.965	.603	5.82	.1511	.1437	.1370	.1332	.1504	.1510	.1451	.1404
.480	-1.30	.993	.604	6.04	.1291	.1219	.1160	.1117	.1349	.1295	.1236	.1189

LP/V(1/3) = 7.0 LP (FT) = 17.4 37.7 81.2 175.0 17.4 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.400	4.46	.765	.574	5.56	.1543	.1471	.1414	.1369	.1512	.1549	.1494	.1430
.440	2.11	.926	.607	6.47	.1302	.1221	.1158	.1107	.1342	.1302	.1279	.1240
.480	-2.23	.947	.792	6.24	.1211	.1137	.1077	.1024	.1209	.1215	.1154	.1106
.520	-1.89	1.070	.947	6.67	.1409	.1330	.1267	.1216	.1443	.1413	.1350	.1299

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.400	2.89	.919	.600	6.32	.1303	.1224	.1161	.1117	.1342	.1303	.1240	.1189
.440	.97	.960	.607	6.93	.1211	.1137	.1070	.1016	.1344	.1223	.1156	.1102
.480	-5.51	.946	.720	6.05	.1156	.1073	.1000	.0955	.1242	.1159	.1093	.1041
.520	-2.03	.996	.667	6.76	.1317	.1237	.1173	.1122	.1442	.1371	.1258	.1206

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.97	.715	.511	5.95	.1362	.1286	.1226	.1174	.1436	.1360	.1300	.1252
.400	1.78	.869	.594	7.03	.1216	.1129	.1061	.1006	.1304	.1217	.1149	.1094
.440	.67	.957	.641	7.44	.1141	.1051	.0979	.0922	.1234	.1144	.1072	.1015
.480	-7.74	.985	.691	7.77	.1106	.1017	.0947	.0891	.1198	.1104	.1039	.0983
.520	-2.03	.992	.661	7.27	.1247	.1157	.1089	.1035	.1333	.1244	.1180	.1125

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.360	2.47	.774	.517	6.84	.1223	.1134	.1070	.1016	.1309	.1223	.1156	.1101
.400	.97	.896	.545	7.65	.1127	.1034	.0960	.0901	.1222	.1129	.1056	.0997
.440	-1.02	.957	.573	7.69	.1089	.0996	.0922	.0863	.1185	.1092	.1014	.0954
.480	-7.07	.946	.605	7.64	.1041	.0948	.0872	.0814	.1147	.1055	.0972	.0914
.520	-2.73	.988	.710	7.68	.1163	.1072	.1001	.0943	.1259	.1165	.1097	.1039

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.70	.659	.441	6.18	.1260	.1182	.1121	.1071	.1336	.1254	.1187	.1137
.360	1.71	.799	.525	7.40	.1123	.1030	.0957	.0899	.1216	.1124	.1051	.0992
.400	.51	.901	.526	7.84	.1092	.0994	.0922	.0867	.1150	.1056	.0980	.0920
.440	-1.34	.967	.484	7.81	.1095	.1001	.0927	.0867	.1193	.1099	.1024	.0964
.480	-1.17	.957	.486	7.70	.1109	.1015	.0941	.0881	.1205	.1111	.1037	.0977
.520	-2.03	.997	.754	7.61	.1154	.1064	.0990	.0931	.1253	.1159	.1086	.1026

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.66	.697	.476	7.22	.1125	.1035	.0964	.0907	.1215	.1125	.1054	.0997
.360	1.12	.814	.497	7.40	.1032	.0944	.0869	.0810	.1140	.1044	.0964	.0907
.400	.14	.912	.441	7.87	.1049	.0944	.0818	.0758	.1147	.1042	.0964	.0907
.440	-1.57	.969	.364	7.74	.1105	.1011	.0936	.0877	.1202	.1100	.1023	.0963
.480	-1.24	.945	.154	7.56	.1124	.1020	.0952	.0892	.1220	.1124	.1048	.0987
.520	-1.97	.996	.364	7.61	.1161	.1063	.0987	.0925	.1256	.1158	.1082	.1020

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.4 116.0 249.9 25.0 53.4 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=P				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.84	.775	.467	7.84	.1049	.0972	.0896	.0836	.1167	.1070	.0994	.0933
.360	.74	.876	.422	7.97	.1075	.0974	.0901	.0839	.1174	.1077	.1001	.0939
.400	-1.09	.916	.330	7.77	.1089	.0944	.0820	.0760	.1146	.1041	.0967	.0907
.440	-7.71	.965	.206	7.67	.1107	.1012	.0937	.0877	.1203	.1104	.1033	.0973
.480	-1.37	.983	.201	7.74	.1129	.1030	.0951	.0889	.1224	.1126	.1048	.0986
.520	-1.03	.994	0.777	7.82	.1164	.1062	.0981	.0916	.1262	.1159	.1079	.1014

RESISTANCE DATA					SERIES 65-A		MODEL 5250					
LP/HPX = 6.60					DEADRISE ANGLE = 27.7 DEG				PMV = 3.00			
WEIGHT = LIFT (LM, SEAMATPR) = 1000 10000 100000 1000000 1000 10000 100000 1000000												
LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 91.2 175.0		17.5 37.7 91.2 175.0					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.400	7.29	.079	.652	5.73	.1762	.1662	.1583	.1520	.1965	.1765	.1626	.1623
.520	1.48	.997	.737	6.61	.1726	.1613	.1524	.1453	.1945	.1732	.1643	.1572
LP/V(1/3) = 7.5					LP (FT) = 19.7 40.4 87.0 187.5		19.7 40.4 87.0 187.5					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.400	2.89	.021	.593	5.81	.1854	.1542	.1502	.1437	.1788	.1687	.1606	.1542
.480	1.67	.929	.657	6.73	.1845	.1530	.1439	.1366	.1766	.1651	.1568	.1487
.520	-2.87	1.050	.896	7.44	.2076	.1946	.1943	.1759	.2219	.2089	.1986	.1982
LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.0 200.0		20.0 43.1 92.0 200.0					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.400	3.13	.747	.517	5.56	.1601	.1503	.1425	.1363	.1701	.1603	.1525	.1463
.480	1.44	.946	.610	7.01	.1552	.1430	.1336	.1259	.1676	.1556	.1462	.1386
.520	-.20	.961	.645	7.40	.1510	.1386	.1288	.1208	.1644	.1519	.1421	.1341
LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 99.6 212.5		21.2 45.8 99.6 212.5					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.360	3.67	.676	.461	6.16	.1544	.1456	.1383	.1325	.1641	.1549	.1476	.1418
.400	1.97	.932	.529	6.85	.1524	.1406	.1311	.1237	.1547	.1529	.1436	.1361
.480	-.54	.911	.480	7.72	.1462	.1332	.1229	.1146	.1600	.1471	.1368	.1285
.520	-1.62	.998	.745	7.91	.1484	.1350	.1244	.1159	.1628	.1495	.1389	.1303
LP/V(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0		22.5 48.5 104.4 225.0					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.360	2.47	.727	.465	6.48	.1499	.1384	.1293	.1220	.1517	.1502	.1412	.1339
.400	-.97	.949	.514	7.59	.1481	.1352	.1250	.1168	.1517	.1489	.1387	.1305
.480	-.65	.942	.567	8.45	.1466	.1326	.1214	.1124	.1518	.1478	.1366	.1276
.520	-1.89	.997	.580	8.67	.1517	.1374	.1260	.1169	.1671	.1530	.1416	.1325
LP/V(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4		23.7 51.2 110.2 237.4					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.320	3.53	.526	.408	5.68	.1495	.1356	.1276	.1212	.1559	.1458	.1378	.1314
.360	1.67	.757	.446	7.21	.1469	.1345	.1247	.1168	.1599	.1475	.1377	.1298
.400	-.34	.880	.507	8.32	.1492	.1353	.1242	.1153	.1641	.1502	.1392	.1301
.480	-.45	.959	.541	9.17	.1504	.1358	.1230	.1142	.1673	.1523	.1403	.1307
.520	-1.11	.982	.450	9.10	.1545	.1394	.1274	.1178	.1709	.1559	.1438	.1341
LP/V(1/3) = 10.0					LP (FT) = 25.0 57.8 116.0 249.9		25.0 57.8 116.0 249.9					
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP (DEG)	LP	LP	LP	V(2/3)								
.320	2.47	.658	.407	6.82	.1413	.1294	.1200	.1125	.1536	.1417	.1323	.1247
.360	-.97	.718	.414	7.70	.1502	.1371	.1267	.1183	.1640	.1509	.1405	.1322
.400	-.73	.922	.475	8.45	.1535	.1387	.1269	.1175	.1696	.1543	.1430	.1335
.480	-1.78	.959	.424	9.42	.1556	.1409	.1276	.1177	.1728	.1570	.1446	.1346
.520	-1.80	.994	.143	8.97	.1577	.1416	.1291	.1191	.1739	.1583	.1458	.1358

Reproduced from
best available copy.

RESISTANCE DATA

SERIES 65-A

MODEL 5250

LP/BPX = 6.60

DEADRISE ANGLE = 27.7 DEG

FNV = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.96	.624	.460	3.57	.1617	.1530	.1461	.1406	.1704	.1617	.1549	.1494
.400	2.47	.713	.502	4.33	.1609	.1507	.1425	.1360	.1715	.1613	.1531	.1466
.440	1.01	.921	.569	5.82	.1646	.1512	.1405	.1319	.1789	.1654	.1548	.1462
.480	-1.40	.941	.654	7.99	.1725	.1546	.1404	.1267	.1921	.1742	.1599	.1484

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.400	3.77	.687	.477	4.11	.1924	.1827	.1750	.1688	.2025	.1927	.1850	.1789
.440	2.46	.795	.534	5.19	.1923	.1803	.1709	.1632	.2050	.1930	.1836	.1759
.480	1.34	.899	.597	6.91	.1925	.1770	.1646	.1547	.2094	.1939	.1815	.1716
.520	.03	.984	.670	7.43	.2057	.1802	.1743	.1631	.2251	.2077	.1938	.1826

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	4.12	.621	.413	4.10	.1836	.1736	.1657	.1593	.1939	.1838	.1759	.1696
.400	2.66	.729	.473	5.18	.1843	.1723	.1626	.1551	.1970	.1850	.1755	.1678
.440	1.47	.834	.540	6.92	.1864	.1708	.1584	.1484	.2031	.1877	.1753	.1653
.480	1.52	.879	.554	7.10	.1874	.1714	.1587	.1485	.2048	.1888	.1761	.1659
.520	-0.53	.977	.593	7.88	.2059	.1886	.1748	.1637	.2252	.2079	.1941	.1830

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.17	.657	.416	4.93	.1784	.1668	.1576	.1502	.1904	.1789	.1697	.1623
.400	1.85	.760	.473	6.45	.1849	.1702	.1585	.1491	.2007	.1860	.1743	.1649
.440	.74	.859	.504	7.65	.1925	.1754	.1610	.1509	.2112	.1941	.1806	.1696
.480	-1.15	.943	.505	8.19	.1996	.1815	.1671	.1555	.2196	.2016	.1872	.1756
.520	-1.12	.979	.629	9.55	.2124	.1939	.1792	.1673	.2333	.2148	.2001	.1883

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.97	.588	.363	4.51	.1735	.1627	.1542	.1473	.1845	.1737	.1652	.1584
.360	2.47	.693	.415	5.98	.1821	.1693	.1573	.1485	.1947	.1829	.1720	.1632
.400	1.17	.788	.454	7.30	.1951	.1787	.1656	.1551	.2130	.1966	.1835	.1730
.440	.17	.897	.445	8.23	.2024	.1842	.1697	.1580	.2226	.2043	.1898	.1781
.480	-1.56	.966	.470	8.85	.2090	.1897	.1743	.1619	.2307	.2113	.1959	.1835
.520	-0.86	.976	.524	9.87	.2114	.1917	.1761	.1634	.2336	.2139	.1983	.1857

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.14	.613	.368	5.60	.1767	.1636	.1532	.1448	.1904	.1773	.1669	.1586
.360	1.73	.713	.406	6.94	.1931	.1773	.1648	.1547	.2101	.1943	.1818	.1717
.400	.59	.826	.404	7.96	.2056	.1878	.1737	.1623	.2251	.2077	.1932	.1818
.440	-2.27	.928	.395	8.81	.2117	.1923	.1769	.1644	.2332	.2139	.1984	.1860
.480	-1.10	.921	.364	8.55	.2116	.1926	.1776	.1655	.2325	.2136	.1985	.1864
.520	.05	.907	.356	8.37	.2108	.1922	.1774	.1655	.2313	.2127	.1979	.1860

RESISTANCE DATA					SERIES 64-A				MONFL 5250					
LP/SPX = 6.60					DEARRISE ANGLE = 27.7 DEG					FNU = 4.00				
.....														
WEIGHT = LIFT (LB, SEAWATER) = 1000					10000	100000	1000000	1000	10000	100000	1000000			
.....														
LP/V(1/3) = 8.0					LP (FT) = 20.0		43.1	92.4	200.0	20.0	43.1	92.0	200.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.320	.16	.566	.323	4.05	.1361	.1233	.1131	.1049	.1641	.1362	.1260	.1179		
.360	-1.13	.561	.477	4.33	.1505	.1452	.1347	.1263	.1723	.1541	.1496	.1401		
.....														
LP/V(1/3) = 8.5					LP (FT) = 21.2		45.0	98.6	212.5	21.2	45.0	95.6	212.5	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.400	3.70	.677	.442	4.31	.2705	.2159	.2057	.1975	.2626	.2297	.2145	.2113		
.440	2.76	.750	.494	5.07	.2353	.2204	.2086	.1991	.2515	.2366	.2240	.2153		
.480	1.91	.847	.500	6.17	.2452	.2276	.2135	.2022	.2640	.2472	.2332	.2218		
.520	1.11	.931	.520	7.10	.2581	.2377	.2215	.2084	.2711	.2607	.2445	.2314		
.....														
LP/V(1/3) = 9.0					LP (FT) = 22.5		48.9	104.4	225.0	22.5	48.9	104.4	225.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.360	3.47	.610	.380	4.21	.2235	.2100	.2007	.1926	.2370	.2243	.2142	.2060		
.400	2.87	.705	.439	5.16	.2290	.2129	.2007	.1910	.2445	.2293	.2172	.2075		
.440	1.94	.790	.466	6.29	.2426	.2244	.2100	.1987	.2527	.2445	.2301	.2184		
.480	1.21	.870	.490	7.36	.2597	.2380	.2222	.2087	.2632	.2624	.2457	.2373		
.520	.89	.907	.503	7.76	.2660	.2441	.2267	.2126	.2700	.2649	.2515	.2374		
.....														
LP/V(1/3) = 9.5					LP (FT) = 23.7		51.2	110.2	237.4	23.7	51.2	110.2	237.4	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.360	3.47	.560	.335	4.11	.2045	.1919	.1820	.1740	.2176	.2051	.1951	.1871		
.400	2.77	.649	.367	5.16	.2117	.1960	.1838	.1740	.2274	.2125	.2007	.1905		
.440	1.84	.731	.419	6.27	.2320	.2130	.1993	.1876	.2521	.2339	.2194	.2076		
.480	.97	.815	.447	7.41	.2551	.2340	.2172	.2036	.2784	.2577	.2429	.2273		
.400	.10	.904	.441	8.34	.2667	.2433	.2246	.2096	.2973	.2699	.2513	.2362		
.520	-.66	.980	.517	9.20	.2851	.2599	.2396	.2232	.3145	.2892	.2690	.2526		
.....														
LP/V(1/3) = 10.0					LP (FT) = 25.0		53.8	116.0	249.9	25.0	53.8	116.0	249.9	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.320	3.20	.544	.335	4.75	.2013	.1870	.1756	.1665	.2165	.2022	.1900	.1817		
.360	2.17	.664	.371	5.82	.2233	.2062	.1927	.1817	.2419	.2249	.2113	.2003		
.400	1.25	.746	.404	6.97	.2501	.2301	.2141	.2012	.2724	.2524	.2364	.2235		
.440	.37	.849	.483	8.14	.2707	.2470	.2287	.2139	.2961	.2731	.2547	.2399		
.480	-.53	.947	.480	9.26	.2981	.2624	.2419	.2253	.3177	.2929	.2715	.2549		
.520	-1.16	.999	.482	9.91	.3036	.2764	.2540	.2373	.3357	.3081	.2865	.2690		
.....														

RESISTANCE DATA

SERIES 65-A

MODEL 524A

LP/PPY = 9.34

DEADRISE ANGLE = 27.7 DEG

FNU = 1.00

W/FIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 10000 10000 100000 1000000

LP/V(1/3) = 1.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TOTM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.45	.924	.559	7.52	.0257	.0239	.0225	.0214	.0272	.0254	.0240	.0229
.360	1.69	.992	.595	7.77	.0212	.0194	.0180	.0168	.0227	.0209	.0195	.0184
.400	-.13	.992	.684	7.86	.0176	.0159	.0144	.0133	.0192	.0174	.0160	.0149
.440	-1.00	.996	.794	8.03	.0154	.0136	.0121	.0110	.0170	.0152	.0137	.0126
.480	-2.06	.998	.961	8.25	.0149	.0131	.0117	.0105	.0166	.0148	.0133	.0122

LP/V(1/3) = 0.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TOTM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.00	.919	.522	7.80	.0246	.0227	.0213	.0202	.0261	.0243	.0229	.0217
.360	.70	.979	.537	8.07	.0219	.0192	.0177	.0165	.0226	.0208	.0193	.0181
.400	-.35	.992	.592	8.04	.0163	.0144	.0130	.0118	.0179	.0160	.0146	.0134
.440	-1.27	.991	.666	8.02	.0137	.0112	.0098	.0086	.0146	.0128	.0114	.0102
.480	-2.13	.993	.746	8.15	.0133	.0115	.0100	.0089	.0149	.0131	.0116	.0105

LP/V(1/3) = 9.4

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TOTM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.51	.919	.475	8.16	.0227	.0208	.0193	.0182	.0247	.0228	.0209	.0198
.360	.40	.992	.487	8.78	.0192	.0173	.0158	.0146	.0209	.0190	.0174	.0162
.400	-.57	.991	.526	8.28	.0145	.0125	.0111	.0099	.0161	.0142	.0127	.0115
.440	-1.35	.998	.560	8.18	.0114	.0095	.0080	.0069	.0130	.0111	.0097	.0085
.480	-2.13	.990	.584	8.21	.0109	.0090	.0075	.0064	.0125	.0107	.0092	.0080
.520	-2.03	1.000	.587	8.51	.0142	.0123	.0108	.0096	.0159	.0140	.0125	.0113

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TOTM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.17	.922	.435	8.33	.0210	.0190	.0175	.0163	.0226	.0207	.0192	.0180
.360	.15	.992	.451	8.65	.0176	.0156	.0141	.0128	.0194	.0174	.0158	.0146
.400	-.66	.999	.471	8.57	.0145	.0126	.0110	.0098	.0167	.0143	.0127	.0115
.440	-1.77	.997	.494	8.49	.0119	.0099	.0084	.0072	.0136	.0116	.0101	.0089
.480	-2.07	.999	.488	8.50	.0094	.0075	.0060	.0048	.0111	.0092	.0077	.0065
.520	-2.86	1.000	.477	8.77	.0077	.0050	.0035	.0022	.0088	.0068	.0052	.0040

RESISTANCE DATA SERIES 65-A MODFL 5249

LP/SPX = 9.74

DEPARTSE ANGLE = 27.7 DEG

FNW = 1.25

HEIGHT = LIFT (LN, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 0.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	7.07	.867	.607	7.37	.0493	.0467	.0446	.0430	.0515	.0497	.0469	.0453
.360	1.77	.959	.659	7.44	.0412	.0386	.0366	.0350	.0435	.0409	.0389	.0373
.400	.50	.997	.719	7.13	.0343	.0315	.0293	.0276	.0368	.0340	.0319	.0301
.440	-0.62	.994	.723	6.38	.0303	.0275	.0252	.0235	.0329	.0301	.0279	.0261
.480	-1.55	.997	.726	5.46	.0291	.0263	.0241	.0223	.0318	.0289	.0267	.0249
.520	-2.66	.999	1.000	4.51	.0311	.0283	.0260	.0243	.0337	.0309	.0287	.0269

LP/V(1/3) = 0.0

LP (FT) = 22.5 49.5 104.4 225.0 22.5 49.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.50	.976	.569	7.75	.0455	.0428	.0407	.0390	.0479	.0452	.0431	.0414
.360	1.26	.959	.601	7.22	.0393	.0355	.0333	.0315	.0409	.0381	.0358	.0341
.400	.11	.991	.659	6.53	.0319	.0289	.0266	.0248	.0344	.0315	.0292	.0274
.440	-0.87	.997	.746	5.54	.0272	.0243	.0221	.0203	.0299	.0270	.0247	.0229
.480	-1.72	.992	.830	4.55	.0254	.0225	.0203	.0185	.0281	.0252	.0230	.0212
.520	-2.66	1.000	.897	3.67	.0276	.0248	.0225	.0207	.0293	.0275	.0252	.0234

LP/V(1/3) = 0.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.00	.888	.515	7.13	.0418	.0390	.0368	.0350	.0444	.0415	.0393	.0375
.360	.86	.964	.523	6.56	.0351	.0322	.0299	.0280	.0378	.0349	.0326	.0307
.400	-0.15	.992	.555	5.59	.0291	.0262	.0239	.0221	.0319	.0289	.0266	.0247
.440	-1.00	.991	.609	4.48	.0259	.0222	.0199	.0181	.0277	.0248	.0226	.0208
.480	-1.88	.998	.689	3.51	.0234	.0206	.0183	.0165	.0261	.0232	.0210	.0192
.520	-2.65	1.000	.780	2.88	.0252	.0222	.0199	.0181	.0279	.0250	.0227	.0208

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.9 116.0 249.9 25.0 53.9 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	1.63	.996	.450	7.21	.0378	.0350	.0327	.0309	.0404	.0375	.0353	.0335
.360	.50	.974	.448	6.67	.0310	.0280	.0257	.0238	.0337	.0307	.0284	.0265
.400	-0.36	.990	.478	5.52	.0277	.0246	.0221	.0202	.0300	.0270	.0247	.0229
.440	-1.17	.989	.459	4.41	.0248	.0219	.0196	.0178	.0274	.0245	.0223	.0205
.480	-1.82	.987	.527	3.55	.0227	.0198	.0175	.0157	.0254	.0225	.0202	.0184
.520	-2.62	1.000	.645	2.24	.0205	.0174	.0150	.0131	.0234	.0203	.0179	.0160

RESISTANCE DATA

SERIES 65-A

MODFL 5244

LP/RPX = 9.34

DEADRISE ANGLE = 27.7 DEG

FNV = 1.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.73	.796	.622	7.51	.0735	.0698	.0669	.0646	.0769	.0732	.0703	.0679
.360	2.35	.932	.701	7.23	.0639	.0604	.0577	.0556	.0671	.0637	.0610	.0588
.400	1.03	.996	.771	7.99	.0529	.0491	.0461	.0437	.0564	.0527	.0497	.0473
.440	-.13	.992	.852	8.64	.0462	.0422	.0390	.0365	.0501	.0461	.0429	.0404
.480	-1.00	.996	.921	8.69	.0444	.0407	.0376	.0350	.0487	.0447	.0415	.0390
.520	-2.05	.998	.983	8.57	.0458	.0418	.0387	.0363	.0496	.0457	.0426	.0401

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.03	.824	.699	7.83	.0677	.0639	.0609	.0585	.0712	.0674	.0644	.0620
.360	2.00	.915	.652	8.06	.0623	.0585	.0554	.0530	.0659	.0621	.0591	.0567
.400	.66	.991	.720	8.86	.0504	.0462	.0430	.0404	.0544	.0502	.0470	.0443
.440	-.34	.995	.829	9.11	.0445	.0403	.0370	.0344	.0486	.0444	.0411	.0385
.480	-1.20	.994	.914	9.12	.0420	.0379	.0346	.0320	.0461	.0420	.0387	.0361
.520	-2.10	.994	.987	9.02	.0418	.0377	.0345	.0319	.0458	.0418	.0385	.0359

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.53	.832	.557	8.24	.0620	.0588	.0549	.0524	.0657	.0618	.0586	.0561
.360	1.41	.926	.575	8.72	.0544	.0502	.0470	.0444	.0583	.0542	.0509	.0483
.400	.29	.988	.608	9.03	.0451	.0409	.0376	.0349	.0492	.0449	.0416	.0389
.440	-.58	.994	.659	9.44	.0407	.0366	.0333	.0307	.0447	.0406	.0373	.0347
.480	-1.37	.990	.747	9.91	.0388	.0347	.0315	.0289	.0428	.0387	.0355	.0329
.520	-2.18	.992	.900	9.16	.0391	.0349	.0316	.0290	.0432	.0390	.0358	.0331

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.13	.818	.489	8.21	.0574	.0535	.0504	.0479	.0611	.0572	.0541	.0516
.360	.96	.944	.478	8.74	.0471	.0430	.0397	.0371	.0511	.0469	.0437	.0410
.400	-.01	.988	.445	8.71	.0410	.0368	.0336	.0310	.0449	.0408	.0375	.0349
.440	-.76	.991	.439	8.47	.0390	.0349	.0318	.0293	.0428	.0388	.0356	.0331
.480	-1.46	.988	.519	8.54	.0391	.0341	.0310	.0284	.0420	.0380	.0348	.0323
.520	-2.20	.991	.751	9.25	.0377	.0335	.0302	.0275	.0419	.0377	.0343	.0317

RESISTANCE DATA

SERIES 65-A

MODEL 524A

LP/MPX = 9.34

DEADRISE ANGLE = 27.7 DEG

FNV = 1.75

WRIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.12	.757	.602	7.10	.0901	.0854	.0817	.0780	.0945	.0898	.0861	.0831
.360	2.64	.900	.684	7.58	.0792	.0744	.0707	.0676	.0839	.0791	.0753	.0723
.400	1.42	.977	.757	8.01	.0687	.0637	.0598	.0566	.0736	.0686	.0647	.0615
.440	.18	.990	.834	8.52	.0590	.0539	.0496	.0463	.0642	.0590	.0548	.0515
.480	-1.80	.996	.917	8.62	.0502	.0450	.0408	.0375	.0635	.0583	.0541	.0508
.520	-1.74	.998	.977	8.49	.0607	.0551	.0511	.0478	.0655	.0603	.0563	.0530

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.28	.793	.597	7.66	.0796	.0747	.0708	.0677	.0847	.0794	.0755	.0724
.360	2.16	.899	.648	8.07	.0744	.0693	.0653	.0621	.0793	.0743	.0702	.0670
.400	.97	.970	.721	8.78	.0631	.0577	.0534	.0500	.0685	.0631	.0588	.0554
.440	-1.00	.993	.814	9.19	.0562	.0506	.0462	.0426	.0619	.0562	.0518	.0482
.480	-1.00	.995	.903	9.23	.0548	.0492	.0448	.0413	.0604	.0549	.0505	.0469
.520	-1.83	.994	.976	9.07	.0554	.0500	.0457	.0423	.0610	.0556	.0513	.0478

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.79	.802	.566	8.07	.0754	.0703	.0662	.0630	.0804	.0752	.0712	.0679
.360	1.73	.898	.601	8.65	.0692	.0638	.0595	.0561	.0745	.0691	.0648	.0614
.400	.50	.983	.669	9.35	.0573	.0516	.0471	.0435	.0631	.0573	.0529	.0492
.440	-1.33	.995	.719	9.40	.0535	.0478	.0433	.0397	.0593	.0536	.0491	.0454
.480	-1.12	.992	.794	9.35	.0522	.0466	.0421	.0386	.0580	.0523	.0479	.0443
.520	-1.89	.990	.910	9.37	.0528	.0472	.0428	.0392	.0585	.0529	.0485	.0450

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	2.40	.807	.522	8.27	.0721	.0668	.0627	.0594	.0772	.0719	.0678	.0645
.360	1.28	.916	.536	8.91	.0619	.0564	.0520	.0485	.0674	.0619	.0575	.0539
.400	.26	.983	.541	9.28	.0545	.0478	.0433	.0396	.0592	.0535	.0489	.0453
.440	-1.53	.992	.533	9.07	.0514	.0458	.0414	.0379	.0570	.0514	.0470	.0434
.480	-1.23	.990	.590	9.02	.0513	.0457	.0414	.0379	.0568	.0513	.0469	.0434
.520	-1.92	.989	.750	9.35	.0519	.0463	.0418	.0383	.0576	.0520	.0476	.0440

RESISTANCE DATA

SERIES 65-A

MODFL 5248

LP/MPX = 9.34

DEADRISE ANGLE = 27.7 DEG

FNU = 2.03

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100900 1000000 1000 10000 100000 1000000

LP/V(1/3) = 0.5 LP (FT) = 21.2 45.0 98.6 212.5 21.2 45.0 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)								
.320	4.44	.729	.577	6.71	.1048	.0992	.0948	.0913	.1102	.1046	.1002	.0966
.360	2.02	.876	.659	7.69	.0914	.0852	.0803	.0767	.0976	.0917	.0864	.0825
.400	1.65	.945	.725	8.23	.0825	.0759	.0708	.0666	.0900	.0825	.0774	.0732
.440	.50	.996	.795	8.32	.0714	.0653	.0601	.0560	.0785	.0720	.0668	.0626
.480	-.63	.995	.895	8.42	.0711	.0646	.0594	.0552	.0778	.0713	.0661	.0620
.520	-1.58	.997	.966	8.36	.0747	.0683	.0632	.0591	.0814	.0749	.0698	.0659

LP/V(1/3) = 0.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)								
.320	3.50	.763	.579	7.30	.0912	.0851	.0804	.0766	.0974	.0910	.0862	.0824
.360	2.30	.881	.626	8.01	.0859	.0795	.0744	.0704	.0923	.0859	.0809	.0768
.400	1.18	.958	.704	8.66	.0762	.0694	.0640	.0597	.0831	.0763	.0709	.0666
.440	.08	.991	.792	9.10	.0687	.0616	.0561	.0516	.0760	.0689	.0637	.0589
.480	-.82	.995	.861	9.18	.0688	.0617	.0561	.0516	.0761	.0691	.0635	.0590
.520	-1.66	.994	.932	9.03	.0714	.0646	.0591	.0547	.0787	.0714	.0663	.0619

LP/V(1/3) = 0.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)								
.320	2.95	.777	.552	7.73	.0864	.0801	.0752	.0712	.0926	.0863	.0813	.0773
.360	1.88	.881	.605	8.44	.0807	.0736	.0683	.0640	.0917	.0854	.0801	.0760
.400	.75	.967	.698	9.38	.0696	.0623	.0565	.0519	.0771	.0699	.0640	.0594
.440	-.19	.993	.772	9.73	.0652	.0578	.0519	.0471	.0730	.0656	.0595	.0549
.480	-1.00	.993	.841	9.75	.0650	.0576	.0517	.0469	.0729	.0654	.0595	.0547
.520	-1.73	.990	.916	9.63	.0665	.0592	.0535	.0488	.0742	.0669	.0612	.0565

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.9 116.0 249.9 25.0 53.9 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)								
.320	2.56	.782	.534	8.15	.0847	.0781	.0729	.0687	.0912	.0846	.0794	.0753
.360	1.47	.897	.588	9.09	.0735	.0664	.0607	.0562	.0809	.0737	.0680	.0635
.400	.50	.973	.646	9.83	.0659	.0582	.0521	.0473	.0736	.0660	.0599	.0552
.440	-.40	.991	.688	9.92	.0634	.0558	.0498	.0449	.0714	.0639	.0577	.0529
.480	-1.10	.991	.747	9.87	.0636	.0561	.0501	.0453	.0715	.0640	.0580	.0532
.520	-1.77	.989	.826	9.88	.0649	.0573	.0514	.0467	.0727	.0652	.0593	.0546

RESISTANCE DATA SERIES 46-A MODEL 5248

LP/PPY = 9.34

HEADRISE ANGLE = 27.7 DEG

FWV = 2.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	3.50	.810	.623	7.34	.1196	.1106	.1035	.0978	.1247	.1197	.1126	.1069
.400	2.00	.947	.705	7.92	.1129	.1034	.0954	.0899	.1227	.1133	.1058	.0998
.440	.90	.995	.777	8.14	.1056	.0961	.0885	.0824	.1158	.1062	.0987	.0926
.480	-.21	1.090	.860	8.22	.1029	.0934	.0859	.0798	.1132	.1037	.0961	.0900
.520	-1.22	1.000	.936	8.31	.1075	.0980	.0904	.0843	.1179	.1084	.1008	.0947

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	4.43	.681	.524	6.85	.1236	.1150	.1092	.1028	.1321	.1235	.1168	.1113
.360	2.62	.834	.602	7.77	.1104	.1011	.0937	.0877	.1201	.1107	.1033	.0974
.400	1.47	.936	.684	8.38	.1034	.0936	.0857	.0794	.1139	.1040	.0962	.0899
.440	.31	.986	.765	8.77	.0972	.0870	.0790	.0725	.1082	.0980	.0904	.0834
.480	-.64	.995	.830	8.89	.0972	.0870	.0789	.0723	.1083	.0981	.0900	.0834
.520	-1.49	.993	.897	8.96	.1027	.0925	.0844	.0778	.1139	.1037	.0955	.0890

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.50	.715	.517	7.25	.1132	.1042	.0972	.0915	.1222	.1133	.1062	.1005
.360	2.10	.844	.586	8.17	.1050	.0952	.0874	.0812	.1152	.1054	.0977	.0914
.400	.99	.944	.673	9.07	.0977	.0867	.0783	.0715	.1086	.0980	.0896	.0829
.440	.05	.988	.761	9.62	.0940	.0830	.0742	.0672	.1061	.0959	.0863	.0792
.480	-.76	.993	.842	9.84	.0953	.0841	.0752	.0681	.1076	.0964	.0875	.0804
.520	-1.50	.991	.916	9.91	.0991	.0879	.0790	.0719	.1114	.1003	.0914	.0842

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	2.85	.740	.512	7.76	.1093	.0999	.0924	.0864	.1190	.1096	.1021	.0961
.360	1.64	.851	.582	8.80	.1004	.0900	.0818	.0751	.1114	.1010	.0928	.0861
.400	.67	.954	.666	9.81	.0954	.0841	.0751	.0679	.1077	.0964	.0874	.0801
.440	-.14	.986	.758	10.32	.0953	.0836	.0742	.0667	.1082	.0965	.0871	.0796
.480	-.85	.990	.840	10.54	.0970	.0852	.0757	.0681	.1102	.0983	.0889	.0813
.520	-1.52	.989	.903	10.60	.0990	.0871	.0777	.0701	.1122	.1004	.0910	.0834

RESISTANCE DATA

SERIES 65-A

MODEL 5244

LP/BOX = 9.14

DEADRISE ANGLE = 27.7 DEG

FNV = 1.00

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	4.22	.632	.495	5.87	.1249	.1135	.1052	.0986	.1346	.1241	.1158	.1092
.360	2.90	.794	.593	6.81	.1174	.1061	.0969	.0895	.1300	.1184	.1092	.1017
.400	.14	.864	.669	6.96	.1127	.1010	.0918	.0844	.1252	.1136	.1043	.0969
.440	-1.18	.868	.786	7.06	.1233	.1117	.1025	.0950	.1360	.1244	.1152	.1077
.480	-2.58	.870	.867	7.35	.1414	.1294	.1199	.1122	.1546	.1426	.1331	.1254

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.360	3.72	.720	.535	6.97	.1417	.1290	.1194	.1114	.1535	.1415	.1320	.1243
.400	2.00	.874	.636	8.13	.1394	.1263	.1156	.1070	.1544	.1409	.1302	.1216
.440	.50	.980	.701	8.55	.1324	.1186	.1075	.0986	.1479	.1339	.1229	.1140
.480	-.62	.995	.821	8.84	.1369	.1224	.1115	.1024	.1529	.1387	.1275	.1184
.520	-1.61	.992	.931	9.04	.1499	.1347	.1233	.1142	.1652	.1510	.1396	.1304

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	5.00	.610	.463	6.25	.1515	.1406	.1319	.1249	.1629	.1519	.1432	.1362
.360	2.69	.772	.548	7.78	.1369	.1237	.1133	.1050	.1508	.1377	.1273	.1189
.400	1.26	.911	.618	8.74	.1304	.1165	.1052	.0960	.1465	.1322	.1209	.1117
.440	.12	.990	.706	9.30	.1277	.1128	.1009	.0913	.1444	.1295	.1176	.1080
.480	-.77	.989	.825	9.68	.1323	.1171	.1049	.0950	.1497	.1345	.1223	.1124
.520	-1.57	.987	.928	9.88	.1405	.1251	.1128	.1029	.1583	.1429	.1306	.1206

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.320	3.77	.646	.468	6.99	.1426	.1306	.1210	.1133	.1552	.1431	.1336	.1259
.360	2.00	.807	.546	8.41	.1352	.1213	.1102	.1012	.1503	.1364	.1253	.1164
.400	.80	.932	.590	9.36	.1279	.1118	.0998	.0901	.1439	.1287	.1166	.1069
.440	-.12	.978	.712	10.03	.1291	.1132	.1005	.0903	.1472	.1313	.1186	.1084
.480	-.82	.986	.823	10.44	.1351	.1188	.1058	.0957	.1539	.1375	.1246	.1140
.520	-1.49	.987	.900	10.66	.1414	.1240	.1117	.1010	.1606	.1441	.1309	.1202

RESISTANCE DATA

SERIES '65-A

MODEL 5248

LP/SPX = 9.34

DEADRISE ANGLE = 27.7 DEG

FNU = 1.50

WRIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	5.32	.641	.495	5.60	.1916	.1788	.1686	.1605	.2053	.1925	.1823	.1742
.400	3.99	.727	.528	6.70	.1901	.1750	.1631	.1534	.2065	.1914	.1795	.1698
.440	2.67	.858	.614	8.48	.1970	.1786	.1639	.1520	.2178	.1994	.1847	.1728
.480	1.22	1.000	.716	9.87	.1955	.1748	.1582	.1448	.2197	.1989	.1824	.1690
.520	-.13	1.000	.826	10.39	.2010	.1796	.1625	.1486	.2264	.2059	.1879	.1741

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 115.0 249.9 25.0 53.8 115.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.360	4.24	.659	.468	6.20	.1833	.1692	.1580	.1490	.1984	.1844	.1732	.1642
.400	2.88	.779	.540	8.02	.1920	.1743	.1603	.1489	.2116	.1949	.1799	.1686
.440	1.59	.929	.618	9.57	.1960	.1756	.1594	.1462	.2194	.1991	.1828	.1697
.480	.31	1.000	.709	10.56	.1900	.1681	.1506	.1364	.2159	.1940	.1765	.1623
.520	-.55	1.000	.827	11.02	.2029	.1804	.1624	.1478	.2294	.2074	.1894	.1748

RESISTANCE DATA SERIES 65-0 MODFL 5237

LP/4PX = 2.75

DEADRISE ANGLE = 16.3 DFG

FNU = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.349	6.00	.970	.819	5.89	.1135	.1119	.1107	.1097	.1147	.1131	.1119	.1109
.380	3.00	.992	.917	5.99	.0947	.0931	.0919	.0909	.0959	.0943	.0931	.0921
.420	.66	.995	.943	6.36	.0902	.0884	.0870	.0859	.0915	.0897	.0883	.0872

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	7.11	.910	.589	6.43	.1259	.1241	.1227	.1217	.1271	.1254	.1240	.1230
.340	4.50	.972	.694	6.97	.1009	.0991	.0977	.0965	.1023	.1005	.0990	.0979
.380	2.56	.991	.815	6.87	.0899	.0881	.0866	.0855	.0913	.0894	.0880	.0869
.420	-.04	.999	.981	7.06	.0712	.0696	.0682	.0672	.0725	.0708	.0695	.0684
.460	1.65	.993	.903	7.27	.0806	.0786	.0771	.0759	.0821	.0801	.0785	.0773

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.07	.912	.520	7.65	.1160	.1139	.1124	.1111	.1175	.1155	.1139	.1126
.340	3.72	.971	.412	7.64	.0945	.0924	.0908	.0895	.0961	.0940	.0924	.0911
.380	1.89	.979	.335	7.45	.0754	.0735	.0720	.0707	.0771	.0751	.0734	.0722
.420	-.06	.992	.321	7.13	.0646	.0626	.0611	.0599	.0660	.0640	.0625	.0613

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.50	.979	.227	8.27	.0969	.0946	.0928	.0914	.0985	.0963	.0945	.0931
.340	3.00	.979	.155	8.36	.0759	.0735	.0717	.0703	.0775	.0752	.0734	.0720
.380	1.50	.978	.084	7.42	.0654	.0633	.0617	.0605	.0669	.0644	.0632	.0619
.420	-.28	.992	.096	7.91	.0499	.0476	.0459	.0446	.0515	.0492	.0475	.0462

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.72	.934	.037	8.87	.0745	.0720	.0704	.0725	.0802	.0777	.0758	.0743
.340	2.37	.960	0.000	8.55	.0636	.0612	.0594	.0579	.0654	.0629	.0611	.0596
.380	.94	.975	0.000	7.40	.0509	.0489	.0471	.0450	.0524	.0502	.0486	.0473

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DFG)	LP	LP	V(2/3)								
.300	3.12	.936	0.000	9.52	.0665	.0638	.0617	.0601	.0684	.0657	.0636	.0620
.340	1.87	.967	0.000	8.61	.0526	.0502	.0483	.0469	.0544	.0519	.0501	.0486
.380	.65	.973	0.000	7.75	.0390	.0369	.0351	.0338	.0405	.0384	.0367	.0353

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DFG)	LP	LP	V(2/3)								
.300	2.61	.940	0.000	9.67	.0565	.0539	.0518	.0502	.0585	.0558	.0537	.0521
.340	1.50	.965	0.000	8.96	.0436	.0412	.0393	.0378	.0454	.0430	.0411	.0395
.380	.49	.972	0.000	8.31	.0331	.0309	.0290	.0276	.0347	.0324	.0307	.0293

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DFG)	LP	LP	V(2/3)								
.300	2.20	.942	.007	9.94	.0481	.0455	.0434	.0418	.0501	.0475	.0454	.0437
.340	1.27	.965	.006	9.84	.0391	.0364	.0344	.0328	.0410	.0384	.0363	.0347
.380	.40	.972	.003	9.09	.0338	.0314	.0295	.0280	.0356	.0332	.0313	.0298

RESISTANCE DATA					SERIES 65-0		MODEL 5237							
LP/PPX = 2.35					DEADRISE ANGLE = 16.3 DEG					FNU = 1.23				
WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000														
LP/V(1/3) = 4.0					LP (FT) = 10.0 21.5 46.4 100.0					10.0 21.5 46.4 100.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	6.39	.966	.783	5.63	.1701	.1678	.1660	.1647	.1710	.1686	.1670	.1654		
.420	4.05	.983	1.000	6.29	.1553	.1539	.1520	.1505	.1503	.1559	.1548	.1525		
.460	1.59	.993	.379	6.96	.1520	.1491	.1468	.1450	.1542	.1513	.1490	.1472		
.500	-.22	1.000	.396	6.77	.1500	.1472	.1450	.1432	.1521	.1493	.1471	.1453		
LP/V(1/3) = 4.5					LP (FT) = 11.2 24.2 52.2 112.5					11.2 24.2 52.2 112.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	7.85	.821	.945	5.97	.1674	.1649	.1630	.1615	.1693	.1668	.1649	.1634		
.340	6.75	.919	.624	6.45	.1537	.1511	.1491	.1475	.1557	.1531	.1511	.1495		
.380	4.50	.970	.767	7.12	.1339	.1311	.1290	.1272	.1361	.1336	.1312	.1295		
.420	2.72	.981	.688	7.86	.1239	.1212	.1190	.1173	.1261	.1236	.1212	.1195		
.460	.72	.987	.204	7.38	.1174	.1143	.1119	.1099	.1194	.1166	.1142	.1122		
LP/V(1/3) = 5.0					LP (FT) = 12.5 26.9 59.0 125.0					12.5 26.9 59.0 125.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	7.50	.775	.967	6.73	.1646	.1619	.1597	.1580	.1667	.1640	.1614	.1601		
.340	5.25	.934	.876	7.08	.1359	.1328	.1304	.1286	.1383	.1352	.1328	.1309		
.380	3.51	.974	.688	8.03	.1155	.1124	.1099	.1080	.1180	.1149	.1124	.1105		
.420	1.91	.981	.373	7.97	.1026	.0994	.0969	.0949	.1051	.1019	.0994	.0974		
.460	0.00	.981	.424	7.17	.0908	.0859	.0836	.0810	.0910	.0881	.0859	.0841		
LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5					13.7 29.6 63.8 137.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	6.23	.809	.979	6.32	.1652	.1618	.1593	.1572	.1678	.1644	.1619	.1598		
.340	4.16	.948	.720	6.65	.1164	.1133	.1106	.1085	.1195	.1160	.1133	.1112		
.380	2.77	.975	.205	8.35	.0962	.0927	.0901	.0880	.0990	.0954	.0927	.0906		
.420	1.23	.979	.259	7.89	.0879	.0847	.0822	.0802	.0913	.0871	.0847	.0827		
.460	-.31	.967	.709	7.02	.0810	.0779	.0754	.0734	.0845	.0803	.0779	.0759		
LP/V(1/3) = 6.0					LP (FT) = 15.0 32.3 69.6 150.0					15.0 32.3 69.6 150.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	5.00	.854	.238	9.00	.1207	.1170	.1142	.1119	.1235	.1199	.1170	.1148		
.340	3.43	.947	0.000	8.63	.0973	.0936	.0900	.0886	.1000	.0963	.0935	.0913		
.380	2.08	.974	.045	8.35	.0826	.0791	.0765	.0743	.0862	.0817	.0791	.0769		
.420	.68	.974	.148	8.14	.0725	.0692	.0666	.0646	.0765	.0717	.0692	.0672		
LP/V(1/3) = 6.5					LP (FT) = 16.2 35.0 75.4 162.5					16.2 35.0 75.4 162.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	4.13	.871	0.000	8.81	.1020	.0982	.0954	.0931	.1047	.1010	.0981	.0958		
.340	2.88	.948	0.000	8.77	.0832	.0795	.0766	.0744	.0859	.0822	.0794	.0771		
.380	1.50	.972	0.000	8.74	.0696	.0658	.0622	.0600	.0713	.0677	.0649	.0627		
.420	.31	.972	0.000	8.67	.0573	.0544	.0511	.0489	.0599	.0564	.0537	.0517		
LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0					17.5 37.7 81.2 175.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	3.60	.875	0.000	8.95	.0904	.0867	.0837	.0814	.0932	.0894	.0865	.0842		
.340	2.45	.950	0.000	9.28	.0719	.0680	.0650	.0627	.0747	.0709	.0679	.0656		
.380	1.29	.969	0.000	9.39	.0581	.0542	.0513	.0489	.0610	.0572	.0542	.0518		
.420	0.00	.974	0.000	8.60	.0458	.0422	.0395	.0374	.0484	.0449	.0422	.0400		
LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5					18.7 40.4 87.0 187.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	3.14	.894	.007	9.49	.0781	.0743	.0713	.0690	.0811	.0773	.0743	.0719		
.340	2.06	.952	.008	10.03	.0597	.0557	.0526	.0501	.0620	.0589	.0557	.0533		
.380	1.03	.967	.007	10.08	.0485	.0445	.0414	.0390	.0516	.0475	.0445	.0421		
.420	-.03	.975	.010	8.90	.0418	.0382	.0355	.0333	.0444	.0410	.0383	.0361		

RESISTANCE DATA SERIES 65-B MODEL 9237

LP/OPX = 2.35

DEADWISE ANGLE = 16.3 DEG

PMV = 1.50

WEIGHT = LBWT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.340	7.67	.918	.674	5.46	.1406	.1075	.1051	.1432	.1931	.1000	.1476	.1057
.380	7.23	.929	.656	5.47	.1005	.1054	.1030	.1011	.1410	.1079	.1454	.1036
.420	6.58	.977	1.000	6.53	.1704	.1669	.1641	.1620	.1733	.1694	.1671	.1649
.460	1.50	.990	.856	6.74	.1601	.1644	.1615	.1592	.1711	.1674	.1645	.1623

LP/V(1/3) = 4.5 LP (FT) = 11.7 24.2 52.2 112.5 11.7 24.2 52.2 112.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.340	7.50	.813	.528	5.83	.1701	.1757	.1731	.1711	.1917	.1774	.1757	.1737
.380	5.61	.944	.667	6.79	.1565	.1528	.1499	.1476	.1596	.1559	.1529	.1506
.420	3.51	.975	.707	7.04	.1434	.1400	.1371	.1347	.1470	.1432	.1402	.1379
.460	1.50	.994	.619	7.49	.1426	.1364	.1351	.1326	.1460	.1414	.1386	.1360

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.340	6.10	.840	.501	7.20	.1574	.1534	.1503	.1474	.1607	.1567	.1535	.1510
.380	4.22	.957	.674	8.11	.1353	.1299	.1255	.1224	.1369	.1326	.1292	.1265
.420	2.79	.975	.762	8.36	.1223	.1179	.1144	.1117	.1261	.1217	.1182	.1155
.460	1.27	.981	.695	8.63	.1234	.1187	.1150	.1121	.1273	.1224	.1189	.1160

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.84	.708	.359	7.16	.1540	.1544	.1512	.1487	.1610	.1576	.1544	.1519
.340	4.84	.842	.530	8.04	.1339	.1291	.1253	.1227	.1379	.1331	.1293	.1263
.380	3.42	.961	.377	9.13	.1167	.1113	.1074	.1043	.1204	.1154	.1115	.1084
.420	2.12	.941	.422	9.00	.1063	.1014	.0976	.0946	.1104	.1055	.1016	.0986
.460	.77	.971	.542	8.78	.1041	.0994	.0950	.0929	.1040	.1034	.0997	.0968

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.61	.749	.418	9.00	.1451	.1380	.1262	.1231	.1401	.1341	.1302	.1271
.340	3.95	.903	.229	9.73	.1204	.1159	.1107	.1074	.1244	.1193	.1151	.1117
.380	2.71	.968	.016	9.11	.1037	.0984	.0943	.0911	.1074	.1025	.0984	.0952
.420	1.50	.976	.441	8.74	.0924	.0877	.0841	.0812	.0964	.0917	.0880	.0851
.460	.32	.954	.553	8.76	.0802	.0736	.0680	.0722	.0921	.0876	.0840	.0811

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.71	.787	.374	10.10	.1254	.1199	.1156	.1121	.1301	.1245	.1201	.1167
.340	3.29	.917	0.000	9.59	.1064	.1008	.0964	.0929	.1107	.1051	.1007	.0972
.380	2.12	.967	.005	8.94	.0807	.0857	.0810	.0787	.0947	.0897	.0850	.0827
.420	1.03	.969	.302	8.77	.0801	.0754	.0710	.0689	.0840	.0794	.0757	.0729
.460	0.00	.945	.231	9.14	.0749	.0699	.0650	.0629	.0790	.0740	.0701	.0670

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.03	.810	.111	10.34	.1140	.1082	.1036	.1000	.1167	.1121	.1073	.1047
.340	2.79	.924	0.000	9.55	.0924	.0869	.0826	.0792	.0967	.0912	.0864	.0835
.380	1.75	.964	.074	9.05	.0799	.0750	.0711	.0680	.0840	.0790	.0752	.0721
.420	.78	.966	.167	9.00	.0707	.0658	.0620	.0590	.0747	.0694	.0661	.0630
.460	-.25	.945	0.000	9.73	.0621	.0566	.0523	.0489	.0665	.0609	.0566	.0532

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.55	.851	.071	10.42	.1004	.0951	.0905	.0869	.1046	.0990	.0952	.0916
.340	2.44	.912	0.000	9.83	.0804	.0753	.0711	.0677	.0852	.0790	.0755	.0721
.380	1.50	.963	0.000	9.34	.0716	.0665	.0624	.0592	.0759	.0707	.0666	.0634
.420	.80	.966	0.000	9.38	.0635	.0583	.0543	.0511	.0674	.0626	.0585	.0553

RESISTANCE DATA SERIES 65-4 MODEL 5277
 LP/SPX = 2.35 DEADRISE ANGLE = 14.3 DEG FNO = 1.75

WEIGHT = LIFT (LP, SPANWATER) = 100 1000 10000 100000 1000 10000 100000 1000000

LP/W(1/3) = 4.0 LP (FT) = 10.7 21.4 42.8 100.0 19.4 21.4 42.8 100.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	7.27	.897	.652	5.46	.1920	.1984	.1956	.1970	.1962	.1971	.1989	.1984
.120	6.00	.959	.775	6.10	.1957	.1925	.1771	.1767	.1977	.1943	.1908	.1780
.140	5.50	.993	1.000	7.00	.1910	.1979	.1931	.1900	.1969	.1917	.1874	.1843

LP/W(1/3) = 4.5 LP (FT) = 11.2 22.4 44.8 112.5 11.2 22.4 44.8 112.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	7.04	.710	.647	4.99	.1944	.1905	.1875	.1851	.1975	.1936	.1906	.1882
.120	6.12	.872	.810	6.05	.1706	.1657	.1619	.1589	.1746	.1697	.1659	.1629
.140	4.83	.944	.710	6.07	.1552	.1503	.1464	.1433	.1595	.1545	.1506	.1475
.160	1.57	.993	1.000	7.00	.1513	.1559	.1516	.1482	.1562	.1607	.1564	.1530

LP/W(1/3) = 5.0 LP (FT) = 12.5 25.0 50.0 125.0 12.5 25.0 50.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	7.84	.649	.747	5.44	.1885	.1841	.1818	.1781	.1918	.1875	.1841	.1815
.120	6.84	.777	.432	6.60	.1705	.1654	.1615	.1584	.1745	.1695	.1656	.1625
.140	4.80	.909	.512	7.47	.1494	.1444	.1402	.1364	.1544	.1494	.1447	.1414
.160	3.00	.967	.745	8.21	.1354	.1300	.1255	.1220	.1408	.1351	.1306	.1270
.180	1.50	.978	1.000	9.14	.1460	.1399	.1351	.1312	.1515	.1455	.1407	.1368

LP/W(1/3) = 5.5 LP (FT) = 13.7 27.4 54.8 137.5 13.7 27.4 54.8 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	7.84	.621	.329	6.47	.1710	.1660	.1621	.1589	.1750	.1699	.1660	.1629
.120	6.40	.781	.392	7.90	.1495	.1434	.1391	.1354	.1544	.1485	.1439	.1403
.140	5.84	.923	.738	8.82	.1341	.1277	.1226	.1186	.1395	.1331	.1280	.1240
.160	2.40	.974	.745	9.36	.1275	.1207	.1154	.1112	.1332	.1264	.1211	.1159
.180	1.06	.974	.481	9.60	.1305	.1237	.1184	.1142	.1344	.1296	.1244	.1200

LP/W(1/3) = 6.0 LP (FT) = 15.0 30.0 60.0 150.0 15.0 30.0 60.0 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	6.00	.656	.336	8.05	.1472	.1411	.1364	.1326	.1521	.1460	.1413	.1376
.120	4.50	.816	.296	9.44	.1384	.1314	.1263	.1220	.1445	.1376	.1321	.1278
.140	3.21	.919	0.000	9.84	.1266	.1190	.1131	.1084	.1327	.1251	.1191	.1145
.160	2.01	.975	.050	9.54	.1179	.1107	.1051	.1007	.1237	.1166	.1110	.1065
.180	.61	.953	.368	9.59	.1107	.1039	.0984	.0943	.1165	.1097	.1044	.1002

LP/W(1/3) = 6.5 LP (FT) = 16.2 32.4 64.8 162.5 16.2 32.4 64.8 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	5.20	.689	.346	9.70	.1382	.1311	.1255	.1211	.1442	.1370	.1314	.1270
.120	3.76	.851	.034	10.50	.1296	.1216	.1153	.1104	.1340	.1260	.1210	.1160
.140	2.57	.952	0.000	9.90	.1153	.1076	.1016	.0968	.1214	.1136	.1076	.1029
.160	1.50	.970	.135	9.26	.1037	.0970	.0917	.0876	.1094	.1027	.0974	.0932
.180	.31	.952	.407	9.84	.0960	.0891	.0838	.0795	.1020	.0952	.0898	.0855

LP/W(1/3) = 7.0 LP (FT) = 17.5 35.0 70.0 175.0 17.5 35.0 70.0 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	4.50	.716	.325	11.30	.1339	.1258	.1194	.1143	.1409	.1327	.1263	.1212
.120	3.12	.849	0.000	10.70	.1149	.1067	.1003	.0952	.1215	.1132	.1068	.1017
.140	2.05	.955	0.000	9.50	.1022	.0952	.0897	.0853	.1080	.1010	.0955	.0912
.160	1.10	.967	.103	9.05	.0932	.0862	.0810	.0770	.0988	.0924	.0873	.0834
.180	.14	.946	.264	10.14	.0869	.0796	.0742	.0698	.0931	.0860	.0804	.0760

LP/W(1/3) = 7.5 LP (FT) = 18.7 37.4 74.8 187.5 18.7 37.4 74.8 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.100	3.84	.766	.197	11.90	.1179	.1093	.1025	.0972	.1252	.1166	.1098	.1045
.120	2.60	.888	0.000	10.30	.0996	.0922	.0862	.0815	.1062	.0985	.0926	.0870
.140	1.73	.959	0.000	9.14	.0899	.0822	.0760	.0710	.1005	.0934	.0886	.0844
.160	.95	.967	0.000	8.60	.0899	.0834	.0784	.0744	.0953	.0889	.0838	.0798
.180	0.00	.945	.004	10.66	.0794	.0726	.0666	.0627	.0849	.0771	.0711	.0663

RESISTANCE DATA SERIES 65-0 MODFL 5237

LP/APH = 2.35

DEADWISE ANGLE = 16.3 DEG

FWF = 2.00

HEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.420	7.21	.851	.694	5.10	.2047	.1987	.1946	.1913	.2084	.2031	.1990	.1957
.460	4.50	.974	.816	6.30	.1951	.1893	.1847	.1811	.2001	.1943	.1898	.1861

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.380	7.07	.756	.441	5.07	.1901	.1842	.1797	.1761	.1949	.1890	.1844	.1808
.420	5.45	.899	.548	6.42	.1762	.1698	.1648	.1608	.1816	.1752	.1702	.1662
.460	3.00	.976	.895	7.62	.1741	.1673	.1620	.1578	.1802	.1734	.1681	.1639

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.75	.594	.301	5.14	.1849	.1796	.1755	.1723	.1851	.1794	.1757	.1724
.340	7.00	.654	.371	5.94	.1775	.1716	.1670	.1633	.1823	.1764	.1714	.1681
.380	5.59	.807	.439	7.12	.1672	.1605	.1552	.1510	.1779	.1662	.1609	.1567
.420	4.01	.917	.521	7.86	.1573	.1501	.1444	.1399	.1636	.1564	.1507	.1462
.460	2.17	.976	.956	8.78	.1507	.1431	.1352	.1304	.1657	.1581	.1522	.1474

LP/V(1/3) = 5.5

LP (FT) = 14.7 29.6 63.8 137.5 14.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.100	7.82	.575	.107	5.96	.1713	.1653	.1606	.1570	.1760	.1701	.1654	.1617
.140	5.75	.702	.344	7.19	.1610	.1541	.1486	.1443	.1644	.1584	.1544	.1501
.180	4.74	.854	.501	8.22	.1523	.1445	.1384	.1336	.1549	.1481	.1440	.1402
.420	3.15	.951	.351	9.17	.1439	.1354	.1280	.1235	.1512	.1428	.1381	.1339
.460	2.04	.975	.577	9.82	.1506	.1419	.1350	.1296	.1524	.1437	.1389	.1344

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.7 69.6 150.0 15.0 32.7 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.13	.594	.282	7.14	.1585	.1514	.1460	.1416	.1642	.1571	.1517	.1473
.340	4.41	.737	.157	8.24	.1505	.1424	.1361	.1310	.1572	.1490	.1427	.1377
.380	3.66	.879	.044	9.50	.1440	.1347	.1275	.1210	.1516	.1423	.1351	.1294
.420	2.84	.954	0.000	10.16	.1414	.1316	.1239	.1178	.1496	.1397	.1320	.1259
.460	1.50	.971	.019	10.28	.1439	.1341	.1264	.1203	.1522	.1423	.1346	.1285

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.330	5.49	.615	.174	8.25	.1511	.1430	.1366	.1315	.1577	.1496	.1432	.1381
.340	4.20	.759	.014	9.50	.1462	.1367	.1292	.1233	.1539	.1447	.1369	.1310
.380	3.14	.915	0.000	10.71	.1415	.1300	.1226	.1159	.1502	.1395	.1311	.1245
.420	2.12	.960	0.000	10.56	.1354	.1246	.1161	.1095	.1438	.1330	.1246	.1179
.460	.72	.965	.204	11.09	.1254	.1153	.1074	.1011	.1342	.1242	.1163	.1100

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.100	4.80	.674	.143	9.86	.1457	.1361	.1287	.1224	.1536	.1440	.1366	.1307
.140	3.65	.807	0.000	11.03	.1396	.1284	.1204	.1134	.1484	.1376	.1291	.1226
.180	2.55	.927	0.000	11.05	.1294	.1185	.1100	.1031	.1383	.1273	.1189	.1121
.420	1.50	.964	0.000	10.30	.1145	.1045	.1007	.0945	.1264	.1168	.1090	.1028
.460	0.00	.950	.502	11.03	.1135	.1037	.0960	.0898	.1224	.1129	.1052	.0990

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.70	.658	.214	11.43	.1347	.1245	.1201	.1135	.1484	.1377	.1293	.1226
.340	3.13	.847	.041	11.86	.1267	.1152	.1066	.0997	.1354	.1247	.1160	.1091
.380	2.01	.941	0.000	10.01	.1140	.1044	.0968	.0905	.1237	.1135	.1055	.0992
.420	.94	.966	.078	10.32	.1087	.0994	.0921	.0862	.1169	.1076	.1001	.0945
.460	-0.07	.941	.444	11.38	.1097	.1000	.0924	.0864	.1148	.1091	.1015	.0955

RESISTANCE DATA SERIES 65-B MONFL 5237

LP/PPX = 2.35 HEADRTSE ANGLE = 16.3 DEG FHT = 2.50

WFLIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.420	7.21	.718	.409	4.77	.2146	.2074	.2018	.1973	.2206	.2134	.2077	.2033
.460	6.14	.866	.534	5.73	.2164	.2081	.2016	.1965	.2245	.2152	.2088	.2036
.500	5.81	.898	.546	5.94	.2186	.2101	.2035	.1982	.2269	.2175	.2109	.2056

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.400	7.59	.935	.269	3.70	.1841	.1782	.1737	.1700	.1898	.1829	.1743	.1747
.340	6.90	.614	.384	4.60	.1909	.1837	.1781	.1737	.1965	.1894	.1839	.1795
.380	6.39	.686	.345	5.73	.1924	.1849	.1788	.1739	.1993	.1915	.1853	.1804
.420	5.85	.764	.345	6.79	.1931	.1845	.1779	.1726	.2003	.1914	.1851	.1798
.460	5.14	.857	.465	6.40	.1934	.1847	.1771	.1714	.2014	.1922	.1851	.1794
.500	4.40	.919	.533	6.81	.1954	.1859	.1784	.1725	.2039	.1944	.1869	.1810

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.67	.512	.234	4.39	.1754	.1685	.1631	.1588	.1809	.1749	.1686	.1643
.340	6.00	.620	.289	5.21	.1736	.1657	.1595	.1546	.1801	.1722	.1660	.1611
.380	5.28	.723	.332	6.02	.1725	.1637	.1568	.1513	.1801	.1712	.1647	.1598
.420	4.50	.830	.379	6.86	.1751	.1654	.1577	.1516	.1837	.1739	.1663	.1602
.460	4.18	.856	.400	7.28	.1789	.1686	.1606	.1542	.1879	.1777	.1697	.1633
.500	3.28	.947	.497	8.41	.1950	.1835	.1744	.1672	.2055	.1940	.1849	.1777

LP/V(1/3) = 5.5 LP (FT) = 17.7 29.6 63.8 137.5 17.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.80	.542	.237	5.40	.1671	.1588	.1524	.1473	.1738	.1656	.1591	.1541
.340	5.05	.662	.275	6.41	.1670	.1575	.1501	.1443	.1750	.1655	.1582	.1523
.380	4.37	.759	.284	7.31	.1689	.1583	.1501	.1436	.1779	.1674	.1592	.1527
.420	3.82	.844	.274	8.04	.1715	.1601	.1512	.1441	.1816	.1702	.1613	.1542
.460	3.18	.938	.310	8.89	.1779	.1656	.1560	.1482	.1891	.1767	.1671	.1593
.500	2.00	.948	.335	9.12	.1894	.1679	.1580	.1502	.1914	.1793	.1694	.1616

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.19	.572	.288	6.27	.1635	.1541	.1467	.1409	.1714	.1619	.1546	.1487
.340	4.44	.682	.220	7.32	.1610	.1511	.1428	.1361	.1709	.1603	.1519	.1453
.380	3.84	.791	.207	8.32	.1624	.1505	.1412	.1338	.1720	.1609	.1516	.1442
.420	3.27	.888	.233	9.32	.1662	.1532	.1430	.1349	.1778	.1648	.1547	.1466
.460	2.33	.896	.192	9.21	.1640	.1513	.1408	.1327	.1755	.1625	.1523	.1442
.500	2.60	.952	.446	10.51	.1749	.1641	.1531	.1444	.1911	.1772	.1667	.1575

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.75	.542	.148	6.81	.1611	.1509	.1429	.1366	.1695	.1594	.1514	.1451
.340	4.05	.706	.140	7.97	.1609	.1493	.1403	.1331	.1709	.1593	.1502	.1430
.380	3.49	.814	.146	9.07	.1639	.1511	.1411	.1331	.1753	.1624	.1524	.1444
.420	3.07	.897	.185	10.07	.1694	.1555	.1446	.1359	.1819	.1681	.1572	.1485

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.40	.599	.089	7.19	.1657	.1549	.1465	.1399	.1746	.1639	.1555	.1488
.340	3.77	.719	.065	8.09	.1689	.1571	.1479	.1406	.1798	.1672	.1580	.1507
.380	3.24	.817	.066	9.00	.1734	.1610	.1511	.1431	.1840	.1723	.1623	.1544

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.16	.611	.051	7.68	.1724	.1610	.1521	.1458	.1820	.1706	.1617	.1546
.340	3.56	.724	.008	8.29	.1774	.1657	.1563	.1488	.1881	.1761	.1667	.1592
.380	3.08	.824	0.000	9.11	.1831	.1702	.1601	.1520	.1945	.1816	.1715	.1634

LP/PPH = 2.35

HEADRISE ANGLE = 16.3 DEG

FW = 7.00

HEIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0					LP (FT) = 10.0 21.5 46.4 100.0				10.0 21.5 46.4 100.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	6.46	.448	.233	7.09	.1493	.1331	.1275	.1231	.1459	.1387	.1331	.1287
.740	5.76	.567	.315	7.85	.1513	.1424	.1361	.1309	.1543	.1497	.1431	.1378
.780	4.88	.642	.400	8.40	.1639	.1545	.1472	.1413	.1719	.1624	.1551	.1492
.820	3.83	.698	.479	8.44	.1770	.1677	.1605	.1547	.1849	.1757	.1685	.1627

LP/V(1/3) = 4.5					LP (FT) = 11.2 24.2 52.2 112.5				11.2 24.2 52.2 112.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	6.17	.533	.194	7.29	.1733	.1559	.1602	.1556	.1793	.1719	.1641	.1615
.740	5.65	.615	.264	7.93	.1765	.1608	.1613	.1561	.1835	.1750	.1684	.1632
.780	4.70	.691	.338	8.45	.1827	.1732	.1659	.1599	.1909	.1814	.1740	.1681
.820	3.80	.754	.407	8.15	.1918	.1814	.1732	.1666	.2011	.1906	.1824	.1759
.860	2.84	.815	.468	8.75	.2030	.1915	.1826	.1754	.2133	.2019	.1929	.1857
.900	1.80	.857	.538	8.39	.2147	.2017	.1919	.1841	.2257	.2132	.2034	.1956

LP/V(1/3) = 5.0					LP (FT) = 12.5 26.9 58.0 125.0				12.5 26.9 58.0 125.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	5.69	.554	.157	7.84	.1917	.1731	.1665	.1612	.1886	.1801	.1734	.1682
.740	5.15	.634	.237	8.51	.1945	.1749	.1674	.1614	.1925	.1830	.1755	.1695
.780	4.20	.709	.314	9.21	.1999	.1791	.1707	.1640	.1992	.1885	.1801	.1734
.820	3.20	.781	.394	8.01	.1949	.1839	.1744	.1689	.2067	.1947	.1852	.1777
.860	2.24	.847	.471	8.46	.2027	.1893	.1788	.1704	.2150	.2017	.1911	.1829
.900	1.27	.907	.497	7.69	.2121	.1975	.1859	.1767	.2240	.2113	.1998	.1905

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	4.95	.545	.104	8.58	.1785	.1684	.1606	.1544	.1868	.1767	.1684	.1626
.740	4.47	.659	.148	9.57	.1805	.1687	.1595	.1522	.1905	.1787	.1695	.1622
.780	3.90	.741	.179	10.40	.1849	.1714	.1608	.1526	.1947	.1812	.1727	.1642
.820	3.41	.817	.214	7.52	.1914	.1768	.1650	.1557	.2053	.1903	.1786	.1692
.860	2.77	.881	.279	8.36	.2012	.1849	.1721	.1619	.2143	.2000	.1872	.1769
.900	1.17	.908	.257	8.62	.2043	.1875	.1744	.1638	.2199	.2031	.1899	.1793

LP/V(1/3) = 6.0					LP (FT) = 15.0 32.3 69.6 150.0				15.0 32.3 69.6 150.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	4.43	.584	.096	9.62	.1735	.1615	.1521	.1446	.1837	.1716	.1622	.1547
.740	3.91	.696	.142	10.85	.1771	.1624	.1516	.1427	.1894	.1751	.1639	.1551
.780	3.50	.743	.188	7.87	.1836	.1676	.1551	.1451	.1978	.1819	.1693	.1593
.820	3.17	.849	.116	8.73	.1917	.1744	.1607	.1499	.2074	.1901	.1764	.1656
.860	2.91	.899	.173	9.40	.1993	.1810	.1666	.1552	.2162	.1979	.1835	.1721
.900	2.64	.913	.270	10.09	.2069	.1874	.1728	.1608	.2244	.2054	.1908	.1789

LP/V(1/3) = 6.5					LP (FT) = 16.2 35.0 75.4 162.5				16.2 35.0 75.4 162.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	4.07	.611	.063	9.77	.1705	.1561	.1449	.1361	.1827	.1683	.1571	.1482
.740	3.60	.722	.044	9.14	.1779	.1611	.1480	.1376	.1924	.1757	.1626	.1522
.780	3.25	.801	.049	9.18	.1862	.1674	.1533	.1418	.2027	.1847	.1698	.1583
.820	2.98	.854	.077	9.07	.1943	.1746	.1592	.1469	.2122	.1926	.1771	.1648
.860	2.84	.873	.117	10.37	.1993	.1788	.1629	.1503	.2176	.1974	.1816	.1689
.900	2.58	.911	.196	11.06	.2087	.1872	.1706	.1574	.2241	.2031	.1865	.1733

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	3.82	.641	.040	8.49	.1754	.1578	.1440	.1330	.1906	.1730	.1592	.1483
.740	3.41	.744	.029	10.10	.1877	.1673	.1513	.1386	.2059	.1855	.1695	.1568
.780	3.12	.812	.024	11.14	.1980	.1754	.1584	.1446	.2181	.1959	.1786	.1647
.820	2.96	.845	.036	11.72	.2041	.1811	.1630	.1486	.2251	.2022	.1841	.1697
.860	2.80	.866	.055	12.10	.2095	.1860	.1675	.1528	.2312	.2077	.1893	.1745
.900	2.43	.906	.113	12.90	.2235	.1990	.1797	.1643	.2467	.2222	.2024	.1875

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.8 187.5				18.7 40.4 87.8 187.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LB	(DEG)	LB	LB	V(2/3)								
.700	3.57	.687	.019	11.08	.1965	.1740	.1564	.1424	.2165	.1948	.1767	.1623
.740	3.24	.759	.006	12.73	.2125	.1872	.1674	.1515	.2354	.2101	.1903	.1744
.780	3.04	.814	0.000	13.67	.2224	.1956	.1746	.1578	.2469	.2202	.1991	.1823
.820	2.84	.871	0.000	13.71	.2230	.1961	.1750	.1581	.2476	.2204	.1996	.1828
.860	2.41	.841	0.000	13.98	.2274	.2008	.1745	.1614	.2524	.2252	.2037	.1865
.900	2.17	.906	0.000	14.70	.2454	.2169	.1945	.1766	.2714	.2433	.2209	.2030

RESISTANCE DATA

SERIES 65-9

MODEL 5217

LP/BPX = 2.35

DEADRISE ANGLE = 16.3 DEG

FNU = 3.50

WRIGHT = LIFT (LB, SF WATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.78	.612	.069	4.51	.1671	.1541	.1440	.1360	.1781	.1652	.1550	.1470
.340	3.39	.696	.104	5.32	.1791	.1643	.1527	.1435	.1921	.1773	.1657	.1565
.380	3.14	.748	.142	6.02	.1904	.1743	.1617	.1517	.2049	.1888	.1762	.1662
.420	2.96	.779	.175	6.74	.1997	.1828	.1695	.1588	.2152	.1983	.1850	.1744
.460	2.83	.801	.205	7.48	.2080	.1903	.1764	.1653	.2243	.2067	.1928	.1817
.500	2.69	.822	.242	8.05	.2177	.1993	.1848	.1732	.2350	.2165	.2021	.1905

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.12	.577	0.000	4.60	.1093	.1057	.1750	.1665	.2106	.1969	.1863	.1778
.340	3.65	.597	0.000	5.36	.2129	.1974	.1953	.1757	.2260	.2105	.1985	.1889
.380	3.32	.765	0.000	6.04	.2261	.2091	.1958	.1852	.2409	.2239	.2106	.2000
.420	3.08	.818	0.000	6.62	.2374	.2192	.2049	.1935	.2536	.2354	.2211	.2097
.460	2.83	.856	.035	7.43	.2437	.2240	.2094	.1960	.2619	.2422	.2266	.2142
.500	2.57	.896	.163	8.44	.2504	.2288	.2117	.1981	.2711	.2494	.2324	.2187

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.79	.597	0.000	5.10	.2113	.1967	.1849	.1756	.2242	.2092	.1974	.1880
.340	3.38	.649	0.000	5.89	.2259	.2090	.1958	.1853	.2404	.2234	.2102	.1997
.380	3.11	.748	0.000	6.54	.2369	.2185	.2041	.1927	.2529	.2345	.2202	.2087
.420	2.85	.791	0.000	7.33	.2372	.2172	.2016	.1891	.2551	.2352	.2195	.2071
.460	2.55	.828	.066	8.45	.2317	.2096	.1922	.1784	.2524	.2303	.2129	.1991
.500	2.29	.850	.188	9.58	.2345	.2103	.1912	.1759	.2580	.2338	.2147	.1994

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.60	.603	0.000	5.75	.2198	.2034	.1906	.1804	.2339	.2175	.2046	.1944
.340	3.24	.692	0.000	6.65	.2319	.2134	.1990	.1874	.2481	.2297	.2152	.2037
.380	3.02	.729	0.000	7.27	.2403	.2205	.2049	.1926	.2581	.2383	.2227	.2104
.420	2.72	.790	.005	8.38	.2433	.2211	.2037	.1897	.2638	.2416	.2242	.2103
.460	2.43	.827	.067	9.58	.2495	.2249	.2054	.1899	.2730	.2487	.2289	.2134
.500	2.17	.865	.174	10.74	.2608	.2338	.2126	.1955	.2871	.2601	.2388	.2218

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.52	.593	.001	6.17	.2283	.2112	.1978	.1871	.2434	.2263	.2129	.2022
.340	3.19	.666	.003	7.11	.2400	.2208	.2057	.1937	.2574	.2382	.2231	.2111
.380	3.00	.716	.004	7.69	.2479	.2274	.2113	.1985	.2667	.2462	.2302	.2173
.420	2.68	.770	.001	8.90	.2658	.2425	.2242	.2096	.2876	.2643	.2460	.2313
.460	2.42	.820	.000	9.97	.2833	.2575	.2373	.2211	.3077	.2820	.2617	.2455
.500	2.16	.865	.000	11.04	.3022	.2740	.2518	.2340	.3292	.3010	.2788	.2610

RESISTANCE DATA SERIES 65-B MODEL 5240

LP/DPX = 3.32

DEADRISE ANGLE = 16.3 DEG

FNU = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 50.0 125.0 12.5 26.9 50.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.14	.997	.726	6.55	.0047	.0030	.0017	.0006	.0060	.0043	.0030	.0019
.340	3.23	.902	1.000	7.00	.0092	.0075	.0061	.0050	.0107	.0089	.0075	.0064
.380	1.17	1.000	.951	6.70	.0535	.0510	.0505	.0494	.0540	.0531	.0510	.0508
.420	-.20	1.000	1.000	7.53	.0492	.0474	.0460	.0460	.0507	.0489	.0475	.0463

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.0 137.5 13.7 29.6 63.0 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.05	.944	.606	7.51	.0039	.0020	.0005	.0003	.0054	.0035	.0020	.0008
.340	2.43	.906	.835	7.65	.0096	.0077	.0062	.0050	.0011	.0052	.0037	.0026
.380	1.24	.990	.964	7.09	.0551	.0534	.0510	.0506	.0569	.0549	.0534	.0522
.420	-.39	1.000	.338	7.47	.0413	.0393	.0377	.0365	.0428	.0408	.0392	.0380

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.81	.951	.663	8.10	.0062	.0041	.0025	.0012	.0079	.0054	.0041	.0028
.340	2.16	.977	.690	8.09	.0051	.0030	.0014	.0002	.0067	.0047	.0030	.0018
.380	.87	.999	.944	8.20	.0457	.0429	.0413	.0400	.0467	.0446	.0429	.0416
.420	-.29	1.000	.502	8.07	.0304	.0266	.0248	.0234	.0406	.0323	.0296	.0282

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.00	.965	.317	9.01	.0087	.0044	.0025	.0011	.0025	.0012	.0005	.0002
.340	1.74	.977	.261	8.82	.0050	.0035	.0017	.0003	.0076	.0053	.0035	.0021
.380	.60	.997	.246	8.98	.0370	.0347	.0320	.0314	.0380	.0364	.0346	.0332
.420	-.34	1.000	.277	9.59	.0349	.0324	.0305	.0290	.0368	.0343	.0324	.0309

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.50	.962	.187	9.70	.0045	.0049	.0049	.0033	.0014	.0049	.0049	.0033
.340	1.50	.975	.114	9.40	.0094	.0069	.0050	.0034	.0043	.0068	.0069	.0053
.380	.50	.996	.036	9.33	.0334	.0309	.0290	.0274	.0353	.0328	.0300	.0293
.420	-.43	1.000	0.000	9.72	.0327	.0300	.0290	.0264	.0346	.0320	.0293	.0283

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.09	.959	.087	10.30	.0022	.0035	.00374	.00357	.0043	.0046	.0035	.0037
.340	1.21	.977	.011	9.95	.0056	.0027	.00307	.00291	.0074	.0047	.0027	.0019
.380	.42	.987	0.000	9.72	.0024	.0020	.00277	.00261	.0043	.0041	.0027	.0020
.420	-.46	1.000	0.000	9.94	.0029	.0020	.0020	.0024	.0040	.0021	.0020	.0024

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.79	.958	.017	10.61	.0077	.0049	.0020	.0010	.0044	.0030	.0019	.0012
.340	1.05	.979	0.000	10.31	.0035	.0020	.00207	.00270	.0056	.0024	.00107	.0009
.380	.37	.987	0.000	10.05	.0021	.0024	.00273	.00257	.0041	.0034	.00293	.00277
.420	-.46	.999	0.000	9.93	.0037	.0020	.0020	.00272	.0057	.0029	.0020	.00292

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.0 98.6 212.5 21.2 45.0 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.57	.961	0.000	10.93	.0054	.0025	.00303	.00266	.0076	.0047	.0025	.0010
.340	.94	.982	0.000	10.71	.0027	.0020	.00277	.00260	.0049	.0021	.0020	.0010
.380	.34	.987	0.000	10.42	.0021	.0024	.00273	.00256	.0042	.0035	.00293	.00277
.420	-.44	.968	0.000	10.02	.0042	.0035	.00294	.00274	.0062	.0035	.0035	.00296

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.41	.965	.010	11.34	.0044	.0015	.00292	.00274	.0067	.0038	.0019	.0009
.340	.87	.985	.023	11.23	.0024	.0020	.00273	.00256	.0047	.0034	.00296	.00270
.380	.32	.985	.032	10.90	.0019	.0021	.00270	.00252	.0041	.0033	.00291	.00274
.420	-.44	.967	.030	10.09	.0035	.0020	.00269	.00273	.0055	.0029	.0020	.00293

RESISTANCE DATA SERIES 64-B MONFL 5243

LP/APPY = 4.32

DEARMISE ANGLE = 16.3 DEG

FNU = 1.24

WEIGHT = LIFT (LB, SEAWATER) = 100 1000 10000 100000 1000000 10000000 100000000 1000000000

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 48.0 125.0 26.9 48.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	7.50	.824	.414	5.76	.1476	.1493	.1435	.1421	.1494	.1471	.1453	.1439
.340	5.74	.957	.744	6.49	.1190	.1165	.1146	.1130	.1210	.1185	.1166	.1150
.380	3.36	.982	1.000	6.45	.0994	.0973	.0953	.0937	.1019	.0994	.0974	.0958
.420	1.50	1.000	.994	7.21	.0805	.0861	.0840	.0824	.0911	.0886	.0867	.0846
.460	0.00	1.000	1.000	7.53	.0892	.0865	.0843	.0824	.0915	.0888	.0867	.0850

LP/V(1/3) = 5.4 LP (FT) = 13.7 29.6 63.0 137.5 29.6 63.0 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.21	.840	.574	6.64	.1305	.1279	.1258	.1242	.1326	.1300	.1279	.1263
.340	4.20	.945	.687	7.48	.1052	.1021	.1001	.0983	.1074	.1047	.1024	.1007
.380	2.74	.946	.951	7.88	.0834	.0805	.0783	.0765	.0859	.0830	.0807	.0789
.420	1.04	1.000	.965	8.17	.0779	.0750	.0726	.0708	.0805	.0775	.0752	.0733
.460	-0.14	1.000	.142	7.87	.0723	.0691	.0667	.0647	.0744	.0716	.0691	.0672

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.06	.873	.521	7.44	.1146	.1115	.1091	.1072	.1171	.1140	.1116	.1097
.340	3.37	.964	.566	8.24	.0902	.0870	.0846	.0827	.0924	.0894	.0872	.0852
.380	1.80	.980	.744	8.64	.0745	.0713	.0688	.0668	.0772	.0740	.0715	.0695
.420	.65	.993	.754	8.83	.0667	.0635	.0609	.0589	.0695	.0662	.0637	.0617
.460	-0.32	1.000	.241	8.44	.0615	.0581	.0555	.0535	.0641	.0608	.0582	.0561

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.8 75.4 162.5 35.8 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.23	.899	.494	8.67	.0996	.0963	.0937	.0916	.1023	.0990	.0964	.0943
.340	2.75	.973	.414	9.32	.0799	.0764	.0736	.0715	.0828	.0793	.0766	.0744
.380	1.50	.979	.397	9.26	.0644	.0611	.0584	.0562	.0675	.0640	.0613	.0591
.420	.40	.990	.311	9.22	.0553	.0514	.0480	.0460	.0582	.0546	.0519	.0497
.460	-0.69	1.000	.184	9.44	.0524	.0487	.0459	.0436	.0554	.0517	.0488	.0465

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.47	.914	.281	9.71	.0851	.0814	.0785	.0762	.0882	.0844	.0815	.0792
.340	2.10	.973	.212	10.03	.0677	.0639	.0608	.0584	.0709	.0670	.0640	.0616
.380	1.17	.978	.114	9.70	.0551	.0513	.0483	.0459	.0581	.0543	.0513	.0490
.420	.24	.988	.020	9.50	.0462	.0424	.0394	.0371	.0492	.0453	.0424	.0400

LP/V(1/3) = 7.5 LP (FT) = 14.7 40.4 87.8 187.5 40.4 87.8 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.84	.937	.157	10.65	.0724	.0686	.0654	.0629	.0751	.0712	.0680	.0652
.340	1.79	.970	.094	10.45	.0593	.0552	.0520	.0495	.0621	.0584	.0553	.0528
.380	.90	.978	.022	10.07	.0497	.0457	.0426	.0402	.0528	.0489	.0458	.0433
.420	.12	.995	0.000	9.71	.0402	.0363	.0334	.0308	.0433	.0393	.0363	.0339

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.34	.939	.077	10.90	.0622	.0590	.0547	.0521	.0656	.0614	.0581	.0555
.340	1.50	.959	.043	10.57	.0529	.0494	.0456	.0431	.0563	.0521	.0489	.0464
.380	.85	.979	0.000	10.23	.0459	.0419	.0387	.0363	.0491	.0450	.0419	.0395
.420	0.01	.983	0.000	9.87	.0356	.0317	.0286	.0261	.0387	.0347	.0317	.0292

LP/V(1/3) = 8.4 LP (FT) = 21.2 45.8 98.6 212.5 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.49	.941	.019	10.82	.0557	.0515	.0472	.0456	.0591	.0549	.0516	.0490
.340	1.11	.970	.011	10.54	.0492	.0451	.0420	.0395	.0525	.0484	.0453	.0427
.380	.77	.982	0.000	10.32	.0435	.0396	.0364	.0340	.0468	.0428	.0397	.0372
.420	-0.04	.979	0.000	10.21	.0339	.0299	.0267	.0243	.0371	.0330	.0299	.0275

LP/V(1/3) = 9.0 LP (FT) = 22.5 44.5 104.4 225.0 44.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.75	.945	0.000	10.64	.0519	.0478	.0446	.0421	.0552	.0511	.0479	.0454
.340	1.21	.972	.004	10.49	.0469	.0429	.0398	.0373	.0502	.0462	.0431	.0406
.380	.72	.995	.019	10.43	.0422	.0381	.0352	.0327	.0455	.0415	.0384	.0360
.420	-0.09	.974	.011	10.64	.0371	.0329	.0299	.0274	.0405	.0364	.0333	.0308

RESISTANCE DATA				SERIES 64-B				MODEL 5240											
LP/WT = 3.17				DEATHISE ANGLE = 16.3 DEG				FWD = 1.50											
WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000																			
LP/WT(1/3) = 4.0 LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	6.00	.990	.671	6.19	.1022	.1300	.1362	.1341	.1000	.1010	.1000	.1000							
.300	6.21	.989	.671	6.51	.1230	.1294	.1177	.1196	.1207	.1219	.1206	.1199							
.420	2.40	.991	.972	6.96	.1107	.1060	.1040	.1019	.1174	.1094	.1071	.1049							
.420	.00	1.000	.990	7.50	.1070	.1040	.1010	.0986	.1113	.1075	.1044	.1020							
.420	-3.37	.993	1.000	7.61	.1151	.1112	.1042	.1050	.1105	.1146	.1116	.1092							
LP/WT(1/3) = 5.5 LP (FT) = 13.7 29.6 63.0 137.5 13.7 29.6 63.0 137.5																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	6.77	.990	.670	6.10	.1065	.1011	.1034	.1004	.1077	.1009	.1012	.1001							
.300	6.75	.990	.670	7.10	.1202	.1164	.1136	.1111	.1234	.1196	.1167	.1143							
.300	3.27	.974	.907	7.56	.1064	.1025	.0995	.0971	.1090	.1050	.1029	.1005							
.420	1.01	.993	1.000	7.03	.0966	.0906	.0873	.0849	.0979	.0924	.0899	.0864							
.420	.53	1.000	.990	8.00	.0931	.0890	.0857	.0832	.0967	.0926	.0893	.0860							
.420	-2.20	1.000	.993	8.03	.1000	.0963	.0920	.0890	.1044	.0994	.0964	.0936							
LP/WT(1/3) = 6.0 LP (FT) = 14.0 32.3 69.6 150.0 14.0 32.3 69.6 150.0																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	5.45	.989	.666	7.77	.1227	.1107	.1155	.1130	.1260	.1220	.1190	.1163							
.300	3.91	.990	.666	6.16	.1053	.1010	.0977	.0950	.1090	.1047	.1014	.0987							
.300	2.59	.977	.631	6.76	.0913	.0869	.0835	.0807	.0955	.0904	.0876	.0846							
.420	1.37	.993	.965	6.01	.0866	.0802	.0767	.0740	.0886	.0842	.0808	.0780							
.420	.35	.990	.665	8.03	.0835	.0790	.0754	.0726	.0874	.0830	.0794	.0766							
.420	-3.30	1.000	.985	8.09	.0892	.0845	.0764	.0734	.0881	.0842	.0803	.0773							
LP/WT(1/3) = 6.5 LP (FT) = 14.2 35.0 75.4 162.5 14.2 35.0 75.4 162.5																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	4.64	.921	.631	8.30	.1109	.1005	.1030	.1002	.1147	.1102	.1077	.1040							
.300	3.27	.964	.672	9.51	.0959	.0910	.0872	.0841	.1002	.0953	.0914	.0884							
.300	2.07	.979	.660	6.71	.0936	.0866	.0847	.0816	.0970	.0920	.0891	.0860							
.420	1.00	.980	.960	9.40	.0754	.0710	.0671	.0640	.0827	.0789	.0751	.0720							
.420	.10	.994	.914	9.49	.0736	.0686	.0646	.0615	.0774	.0724	.0684	.0650							
LP/WT(1/3) = 7.0 LP (FT) = 17.4 37.7 81.2 175.0 17.4 37.7 81.2 175.0																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	3.99	.963	.946	9.41	.1012	.0902	.0923	.0892	.1054	.1004	.0965	.0936							
.300	2.69	.950	.967	10.43	.0895	.0840	.0797	.0764	.0942	.0897	.0844	.0810							
.300	1.66	.977	.874	9.89	.0766	.0691	.0669	.0615	.0770	.0726	.0693	.0663							
.420	.00	.991	1.000	9.51	.0651	.0596	.0554	.0521	.0664	.0619	.0587	.0564							
.420	0.00	1.000	1.000	10.07	.0627	.0571	.0520	.0493	.0622	.0567	.0523	.0494							
LP/WT(1/3) = 7.5 LP (FT) = 14.7 40.4 87.0 187.5 14.7 40.4 87.0 187.5																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	3.99	.963	.946	10.42	.0967	.0911	.0868	.0833	.1014	.0964	.0915	.0880							
.300	2.74	.957	.966	10.64	.0817	.0759	.0714	.0670	.0865	.0817	.0762	.0726							
.300	1.37	.976	1.000	10.11	.0675	.0617	.0572	.0536	.0720	.0667	.0617	.0582							
.420	.62	.994	1.000	9.97	.0501	.0450	.0410	.0374	.0526	.0484	.0447	.0410							
.420	-1.16	.999	1.000	10.51	.0467	.0410	.0362	.0326	.0485	.0436	.0390	.0354							
LP/WT(1/3) = 8.0 LP (FT) = 20.0 47.1 92.0 200.0 20.0 47.1 92.0 200.0																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	2.06	.996	.116	10.47	.0907	.0820	.0782	.0745	.0976	.0927	.0881	.0845							
.300	1.09	.956	0.000	10.69	.0737	.0677	.0631	.0595	.0785	.0726	.0679	.0643							
.300	1.16	.974	0.000	10.38	.0627	.0563	.0510	.0482	.0668	.0619	.0565	.0520							
.420	.44	.956	0.000	10.70	.0531	.0473	.0427	.0391	.0527	.0480	.0434	.0390							
.420	-3.33	.997	0.000	10.70	.0459	.0400	.0354	.0310	.0480	.0440	.0397	.0366							
LP/WT(1/3) = 8.5 LP (FT) = 21.2 45.0 90.6 212.5 21.2 45.0 90.6 212.5																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	2.45	.993	0.000	10.06	.0796	.0737	.0691	.0654	.0845	.0786	.0740	.0703							
.300	1.67	.954	0.000	10.77	.0644	.0586	.0540	.0504	.0673	.0614	.0568	.0532							
.300	1.01	.991	1.000	10.68	.0595	.0537	.0492	.0457	.0643	.0584	.0540	.0504							
.420	.38	.947	0.000	10.55	.0449	.0401	.0357	.0321	.0545	.0494	.0444	.0409							
LP/WT(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0																			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004										
LP (FT)	LP (FT)	LP	LP	W(2/3)	LP	LP	LP	LP	LP	LP	LP	LP							
.300	2.17	.911	0.000	10.70	.0735	.0677	.0632	.0597	.0781	.0722	.0681	.0645							
.300	1.45	.967	.024	10.74	.0654	.0594	.0550	.0520	.0695	.0640	.0603	.0568							
.300	.93	.944	.044	10.74	.0549	.0490	.0444	.0414	.0633	.0577	.0533	.0498							
.420	.31	.947	.051	10.72	.0474	.0422	.0378	.0346	.0526	.0470	.0427	.0392							

FNU = 1.75

12.5 26.9 59.0 125.0

13.7 29.6 63.8 137.9

.....

14.2 34.0 75.4 162.5

43 0 33 0 34 0 35 0 36 0 37 0 38 0 39 0 40 0 41 0 42 0 43 0 44 0 45 0 46 0 47 0 48 0 49 0 50 0 51 0 52 0 53 0 54 0 55 0 56 0 57 0 58 0 59 0 60 0 61 0 62 0 63 0 64 0 65 0 66 0 67 0 68 0 69 0 70 0 71 0 72 0 73 0 74 0 75 0 76 0 77 0 78 0 79 0 80 0 81 0 82 0 83 0 84 0 85 0 86 0 87 0 88 0 89 0 90 0 91 0 92 0 93 0 94 0 95 0 96 0 97 0 98 0 99 0 100 0 101 0 102 0 103 0 104 0 105 0 106 0 107 0 108 0 109 0 110 0 111 0 112 0 113 0 114 0 115 0 116 0 117 0 118 0 119 0 120 0 121 0 122 0 123 0 124 0 125 0 126 0 127 0 128 0 129 0 130 0 131 0 132 0 133 0 134 0 135 0 136 0 137 0 138 0 139 0 140 0 141 0 142 0 143 0 144 0 145 0 146 0 147 0 148 0 149 0 150 0 151 0 152 0 153 0 154 0 155 0 156 0 157 0 158 0 159 0 160 0 161 0 162 0 163 0 164 0 165 0 166 0 167 0 168 0 169 0 170 0 171 0 172 0 173 0 174 0 175 0 176 0 177 0 178 0 179 0 180 0 181 0 182 0 183 0 184 0 185 0 186 0 187 0 188 0 189 0 190 0 191 0 192 0 193 0 194 0 195 0 196 0 197 0 198 0 199 0 200 0 201 0 202 0 203 0 204 0 205 0 206 0 207 0 208 0 209 0 210 0 211 0 212 0 213 0 214 0 215 0 216 0 217 0 218 0 219 0 220 0 221 0 222 0 223 0 224 0 225 0 226 0 227 0 228 0 229 0 230 0 231 0 232 0 233 0 234 0 235 0 236 0 237 0 238 0 239 0 240 0 241 0 242 0 243 0 244 0 245 0 246 0 247 0 248 0 249 0 250 0 251 0 252 0 253 0 254 0 255 0 256 0 257 0 258 0 259 0 260 0 261 0 262 0 263 0 264 0 265 0 266 0 267 0 268 0 269 0 270 0 271 0 272 0 273 0 274 0 275 0 276 0 277 0 278 0 279 0 280 0 281 0 282 0 283 0 284 0 285 0 286 0 287 0 288 0 289 0 290 0 291 0 292 0 293 0 294 0 295 0 296 0 297 0 298 0 299 0 300 0 301 0 302 0 303 0 304 0 305 0 306 0 307 0 308 0 309 0 310 0 311 0 312 0 313 0 314 0 315 0 316 0 317 0 318 0 319 0 320 0 321 0 322 0 323 0 324 0 325 0 326 0 327 0 328 0 329 0 330 0 331 0 332 0 333 0 334 0 335 0 336 0 337 0 338 0 339 0 340 0 341 0 342 0 343 0 344 0 345 0 346 0 347 0 348 0 349 0 350 0 351 0 352 0 353 0 354 0 355 0 356 0 357 0 358 0 359 0 360 0 361 0 362 0 363 0 364 0 365 0 366 0 367 0 368 0 369 0 370 0 371 0 372 0 373 0 374 0 375 0 376 0 377 0 378 0 379 0 380 0 381 0 382 0 383 0 384 0 385 0 386 0 387 0 388 0 389 0 390 0 391 0 392 0 393 0 394 0 395 0 396 0 397 0 398 0 399 0 400 0 401 0 402 0 403 0 404 0 405 0 406 0 407 0 408 0 409 0 410 0 411 0 412 0 413 0 414 0 415 0 416 0 417 0 418 0 419 0 420 0 421 0 422 0 423 0 424 0 425 0 426 0 427 0 428 0 429 0 430 0 431 0 432 0 433 0 434 0 435 0 436 0 437 0 438 0 439 0 440 0 441 0 442 0 443 0 444 0 445 0 446 0 447 0 448 0 449 0 450 0 451 0 452 0 453 0 454 0 455 0 456 0 457 0 458 0 459 0 460 0 461 0 462 0 463 0 464 0 465 0 466 0 467 0 468 0 469 0 470 0 471 0 472 0 473 0 474 0 475 0 476 0 477 0 478 0 479 0 480 0 481 0 482 0 483 0 484 0 485 0 486 0 487 0 488 0 489 0 490 0 491 0 492 0 493 0 494 0 495 0 496 0 497 0 498 0 499 0 500 0 501 0 502 0 503 0 504 0 505 0 506 0 507 0 508 0 509 0 510 0 511 0 512 0 513 0 514 0 515 0 516 0 517 0 518 0 519 0 520 0 521 0 522 0 523 0 524 0 525 0 526 0 527 0 528 0 529 0 530 0 531 0 532 0 533 0 534 0 535 0 536 0 537 0 538 0 539 0 540 0 541 0 542 0 543 0 544 0 545 0 546 0 547 0 548 0 549 0 550 0 551 0 552 0 553 0 554 0 555 0 556 0 557 0 558 0 559 0 560 0 561 0 562 0 563 0 564 0 565 0 566 0 567 0 568 0 569 0 570 0 571 0 572 0 573 0 574 0 575 0 576 0 577 0 578 0 579 0 580 0 581 0 582 0 583 0 584 0 585 0 586 0 587 0 588 0 589 0 590 0 591 0 592 0 593 0 594 0 595 0 596 0 597 0 598 0 599 0 600 0 601 0 602 0 603 0 604 0 605 0 606 0 607 0 608 0 609 0 610 0 611 0 612 0 613 0 614 0 615 0 616 0 617 0 618 0 619 0 620 0 621 0 622 0 623 0 624 0 625 0 626 0 627 0 628 0 629 0 630 0 631 0 632 0 633 0 634 0 635 0 636 0 637 0 638 0 639 0 640 0 641 0 642 0 643 0 644 0 645 0 646 0 647 0 648 0 649 0 650 0 651 0 652 0 653 0 654 0 655 0 656 0 657 0 658 0 659 0 660 0 661 0 662 0 663 0 664 0 665 0 666 0 667 0 668 0 669 0 670 0 671 0 672 0 673 0 674 0 675 0 676 0 677 0 678 0 679 0 680 0 681 0 682 0 683 0 684 0 685 0 686 0 687 0 688 0 689 0 690 0 691 0 692 0 693 0 694 0 695 0 696 0 697 0 698 0 699 0 700 0 701 0 702 0 703 0 704 0 705 0 706 0 707 0 708 0 709 0 710 0 711 0 712 0 713 0 714 0 715 0 716 0 717 0 718 0 719 0 720 0 721 0 722 0 723 0 724 0 725

•••••

•••••

.....

86

RESISTANCE DATA SERIES 64-B NOMFL 9240

LP/PMX = 3.32 DEGREEWISE ANGLE = 16.3 DEG FNU = 2.00

HEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	7.13	.732	.694	5.40	.1701	.1650	.1610	.1570	.1745	.1693	.1653	.1621
.340	4.94	.922	.787	6.15	.1400	.1433	.1390	.1356	.1534	.1482	.1439	.1405
.420	3.00	.979	.812	6.32	.1360	.1310	.1266	.1230	.1420	.1365	.1310	.1282
.460	.70	.900	.903	6.60	.1435	.1361	.1302	.1255	.1404	.1349	.1291	.1264

LP/V(1/3) = 5.5 LP (FT) = 11.7 29.6 61.0 137.5 11.7 29.6 61.0 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.49	.797	.537	6.49	.1466	.1366	.1300	.1267	.1400	.1349	.1292	.1254
.340	3.79	.963	.702	7.33	.1294	.1236	.1183	.1143	.1357	.1292	.1242	.1202
.420	2.30	.943	.803	7.97	.1236	.1169	.1116	.1073	.1249	.1232	.1179	.1136
.460	.69	.992	1.000	8.02	.1279	.1205	.1147	.1101	.1344	.1275	.1217	.1171

LP/V(1/3) = 6.0 LP (FT) = 14.0 32.3 69.6 150.0 14.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.40	.616	.476	6.34	.1506	.1445	.1390	.1361	.1547	.1496	.1449	.1411
.340	4.50	.821	.600	7.53	.1347	.1274	.1224	.1192	.1403	.1337	.1284	.1242
.420	3.19	.940	.782	8.64	.1204	.1136	.1075	.1024	.1377	.1283	.1244	.1197
.460	1.94	.980	.874	8.70	.1114	.1037	.0977	.0929	.1144	.1107	.1047	.0999
.460	.72	.903	.374	8.74	.1145	.1066	.1004	.0955	.1215	.1136	.1075	.1026

LP/V(1/3) = 6.5 LP (FT) = 16.7 35.0 75.4 162.5 16.7 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.37	.667	.484	7.22	.1302	.1215	.1163	.1121	.1440	.1373	.1320	.1279
.340	3.96	.836	.576	8.06	.1275	.1197	.1137	.1094	.1345	.1265	.1215	.1175
.420	2.70	.961	.804	9.70	.1126	.1042	.0976	.0923	.1204	.1120	.1075	.1031
.460	1.62	.974	.845	8.83	.0909	.0905	.0841	.0789	.1059	.0974	.0911	.0860
.460	.61	.979	0.000	8.67	.1014	.0931	.0867	.0816	.1041	.0999	.0934	.0883
.500	-.45	1.000	.309	9.47	.1344	.1261	.1192	.1134	.1427	.1340	.1272	.1210

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.64	.687	.411	8.34	.1396	.1231	.1172	.1124	.1373	.1297	.1230	.1191
.340	3.41	.874	.584	10.24	.1229	.1135	.1067	.1011	.1107	.1021	.0944	.0893
.420	2.26	.961	.822	10.15	.0996	.0904	.0835	.0779	.1077	.0987	.0916	.0860
.460	1.21	.974	0.000	8.84	.0874	.0874	.0874	.0826	.1009	.0915	.0849	.0807
.460	.36	.983	0.000	8.17	.0937	.0859	.0790	.0750	.1002	.0925	.0864	.0816
.500	-.22	1.000	.103	8.75	.1216	.1141	.1083	.1036	.1202	.1127	.1064	.1012

LP/V(1/3) = 7.5 LP (FT) = 14.7 40.4 87.0 197.5 14.7 40.4 87.0 197.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.13	.729	.481	9.42	.1291	.1205	.1130	.1084	.1344	.1262	.1195	.1162
.340	3.00	.896	.602	11.52	.1210	.1111	.1033	.0970	.1302	.1203	.1125	.1082
.420	1.82	.944	.844	10.47	.0842	.0744	.0674	.0615	.0926	.0832	.0750	.0699
.460	.74	.941	0.000	8.83	.0744	.0666	.0602	.0551	.0819	.0736	.0672	.0621
.460	.13	.956	.884	7.99	.0844	.0841	.0834	.0784	.1020	.0955	.0886	.0852
.500	.04	.987	.039	7.92	.1014	.0942	.0886	.0841	.1076	.1006	.0949	.0894

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.75	.746	.543	10.04	.1287	.1191	.1115	.1055	.1374	.1279	.1202	.1162
.340	2.50	.899	.617	12.05	.1083	.0974	.0894	.0820	.1140	.1074	.0991	.0924
.420	1.37	.973	0.000	10.24	.0701	.0606	.0532	.0474	.0702	.0608	.0514	.0456
.460	.41	.944	0.000	8.47	.0765	.0647	.0575	.0517	.0843	.0755	.0664	.0605
.460	-.07	.984	.037	8.02	.0949	.0827	.0751	.0696	.1063	.0991	.0915	.0860

LP/V(1/3) = 8.4 LP (FT) = 21.2 45.0 96.6 212.4 21.2 45.0 96.6 212.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.37	.759	.535	11.95	.1274	.1149	.1066	.1020	.1371	.1265	.1182	.1115
.340	2.16	.912	.663	12.83	.0924	.0817	.0733	.0666	.1020	.0914	.0829	.0762
.420	.99	.947	0.000	10.00	.0636	.0546	.0475	.0410	.0716	.0624	.0555	.0490
.460	.10	.947	0.000	8.63	.0822	.0744	.0664	.0635	.0841	.0743	.0673	.0614
.460	-.00	.970	.010	8.36	.0972	.0890	.0840	.0793	.1039	.0965	.0906	.0860

LP/V(1/3) = 9.0 LP (FT) = 22.5 44.5 104.4 225.0 22.5 44.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.00	.776	.692	12.48	.1222	.1109	.1020	.0950	.1322	.1209	.1120	.1050
.340	1.81	.931	.630	11.44	.0913	.0780	.0696	.0640	.0904	.0803	.0720	.0655
.420	.75	.944	.615	10.17	.0644	.0557	.0487	.0432	.0727	.0630	.0560	.0513
.460	.06	.941	.004	8.43	.0824	.0750	.0680	.0634	.0844	.0741	.0670	.0610
.460	-.05	.973	.007	8.74	.0889	.0812	.0752	.0703	.0959	.0862	.0792	.0733

RESISTANCE DATA					SERIES 65-B		MODEL 9240		
LP/RPX = 3.32					DEPRISE ANGLE = 16.3 DEG		FNU = 2.50		
WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000									
LP/V(1/3) = 4.0					LP (FT) = 12.5 26.9 58.0 125.0		12.5 26.9 58.0 125.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	6.39	.716	.303	5.44	.1796	.1717	.1655	.1606	.1686
.340	6.82	.896	.656	6.47	.1799	.1621	.1553	.1490	.1789
.400	7.36	.979	.809	7.57	.1816	.1716	.1630	.1577	.1789
.....									
LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.0 137.5		13.7 29.6 63.0 137.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	7.39	.512	.200	4.37	.1795	.1602	.1530	.1499	.1684
.340	6.52	.613	.137	5.23	.1794	.1607	.1546	.1433	.1794
.380	5.74	.780	.581	6.47	.1672	.1503	.1513	.1457	.1743
.420	3.46	.909	.605	6.99	.1617	.1526	.1451	.1393	.1744
.460	1.50	.990	.977	10.03	.1717	.1591	.1492	.1412	.1742
.....									
LP/V(1/3) = 6.0					LP (FT) = 15.0 32.3 69.6 150.0		15.0 32.3 69.6 150.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	6.26	.543	.260	4.14	.1596	.1514	.1450	.1411	.1659
.340	5.43	.648	.395	6.22	.1600	.1512	.1443	.1394	.1677
.380	4.50	.777	.530	7.42	.1612	.1512	.1434	.1371	.1704
.420	3.00	.952	.561	8.51	.1530	.1427	.1334	.1264	.1645
.460	1.50	.978	.990	9.65	.1643	.1526	.1430	.1354	.1746
.....									
LP/V(1/3) = 6.4					LP (FT) = 16.2 35.0 75.4 162.5		16.2 35.0 75.4 162.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	5.48	.570	.337	6.09	.1441	.1459	.1386	.1331	.1617
.340	4.64	.688	.408	7.46	.1557	.1456	.1377	.1317	.1651
.380	3.64	.861	.493	8.80	.1536	.1420	.1329	.1256	.1646
.420	2.93	.956	.578	10.01	.1531	.1403	.1302	.1221	.1656
.460	1.26	.972	.767	11.16	.1616	.1475	.1365	.1277	.1753
.500	-.33	1.000	.537	12.30	.1690	.1520	.1400	.1307	.1795
.....									
LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0		17.5 37.7 81.2 175.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	4.93	.598	.361	7.23	.1406	.1385	.1306	.1243	.1576
.340	4.09	.712	.465	8.82	.1500	.1391	.1290	.1224	.1610
.380	3.12	.875	.462	10.23	.1537	.1406	.1300	.1216	.1665
.420	2.18	.963	.427	11.56	.1520	.1371	.1254	.1160	.1664
.460	1.06	.964	.298	12.19	.1560	.1401	.1275	.1174	.1713
.500	-.43	1.000	0.000	9.73	.1423	.1303	.1192	.1103	.1683
.....									
LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5		18.7 40.4 87.0 187.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	4.41	.586	.335	8.43	.1400	.1364	.1272	.1199	.1585
.340	3.49	.763	.466	10.21	.1444	.1410	.1304	.1214	.1632
.380	2.74	.880	.353	11.64	.1502	.1411	.1292	.1196	.1707
.420	1.84	.962	.166	12.61	.1496	.1379	.1197	.1092	.1694
.460	-.09	.977	0.000	11.97	.1534	.1367	.1236	.1132	.1693
.....									
LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0		20.0 43.1 92.8 200.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	4.27	.605	.378	9.61	.1404	.1376	.1275	.1195	.1622
.340	3.35	.765	.366	11.80	.1490	.1439	.1321	.1226	.1732
.380	2.40	.896	.217	12.75	.1524	.1357	.1225	.1120	.1683
.420	1.50	.956	0.000	12.65	.1423	.1251	.1115	.1007	.1591
.460	.50	.988	0.000	10.45	.1528	.1300	.1264	.1171	.1650
.....									
LP/V(1/3) = 8.5					LP (FT) = 21.2 45.0 94.6 212.5		21.2 45.0 94.6 212.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	3.87	.620	.319	10.32	.1494	.1416	.1307	.1220	.1603
.340	3.04	.769	.332	12.95	.1616	.1480	.1316	.1210	.1672
.380	2.02	.912	.099	13.28	.1612	.1437	.1289	.1180	.1578
.420	.99	.962	0.000	11.30	.1337	.1183	.1062	.0966	.1478
.460	.21	.989	0.000	8.61	.1503	.1466	.1374	.1301	.1641
.....									
LP/V(1/3) = 9.0					LP (FT) = 22.4 48.5 104.4 225.0		22.4 48.5 104.4 225.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	V(2/3)					
.300	3.79	.616	.311	11.37	.1496	.1444	.1325	.1230	.1737
.340	2.83	.792	.270	14.57	.1570	.1390	.1241	.1123	.1760
.380	1.90	.950	0.000	12.35	.1231	.1160	.0940	.0837	.1386
.420	.40	.990	0.000	8.77	.1406	.1290	.1199	.1126	.1515

RESISTANCE DATA									
PRIESTER 64-0									
NONPL 5240									
LP/SPN = 3.37									
DEADWISE ANGLE = 14.3 DEG									
FNU = 3.00									
WIGHT = LIPT (LN, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000									
LP/0(1/3) = 5.0									
LP (FT) = 12.5 20.9 90.0 125.0 12.5 20.9 90.0 125.0									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	7.16	.401	.703	3.40	.1775	.1702	.1643	.1600	.1436
340	6.71	.443	.703	4.12	.1817	.1731	.1664	.1610	.1491
380	6.27	.481	.662	4.86	.1852	.1756	.1677	.1616	.1539
420	5.84	.527	.567	5.65	.1897	.1782	.1695	.1626	.1594
460	5.41	.582	.643	6.55	.1961	.1830	.1741	.1663	.1679
500	5.27	.616	.726	7.31	.2073	.1934	.1832	.1767	.2079
LP/0(1/3) = 5.5									
LP (FT) = 13.7 29.6 63.0 137.5 13.7 29.6 63.0 137.5									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	6.37	.512	.721	3.76	.1727	.1646	.1583	.1533	.1749
340	5.89	.566	.701	4.61	.1786	.1689	.1615	.1555	.1807
380	5.47	.620	.680	5.44	.1860	.1752	.1667	.1599	.1950
420	5.04	.734	.675	6.28	.1927	.1831	.1736	.1659	.2088
460	4.70	.828	.672	7.27	.2076	.1939	.1831	.1747	.2250
500	4.21	.875	.576	7.52	.2119	.1979	.1865	.1777	.2250
LP/0(1/3) = 6.0									
LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	5.40	.545	.705	4.47	.1659	.1563	.1500	.1428	.1763
340	5.04	.605	.706	5.47	.1727	.1619	.1535	.1460	.1876
380	4.64	.673	.660	6.16	.1803	.1682	.1589	.1515	.1910
420	4.29	.761	.677	6.73	.1861	.1736	.1635	.1559	.2006
460	3.80	.861	.659	7.53	.1951	.1811	.1700	.1611	.2275
500	3.00	.992	.667	8.00	.2113	.1950	.1820	.1717	.2275
LP/0(1/3) = 6.5									
LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	4.81	.551	.736	5.40	.1636	.1527	.1462	.1375	.1731
340	4.43	.617	.732	6.12	.1705	.1586	.1503	.1410	.1815
380	3.99	.708	.776	7.07	.1766	.1632	.1527	.1443	.1992
420	3.49	.816	.768	8.15	.1861	.1680	.1569	.1473	.2190
460	3.02	.901	.705	9.17	.1916	.1745	.1613	.1506	.2379
500	2.20	.955	.644	10.09	.2030	.1867	.1696	.1575	.2250
LP/0(1/3) = 7.0									
LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	4.35	.561	.731	5.43	.1627	.1511	.1428	.1360	.1736
340	3.93	.635	.731	7.17	.1684	.1551	.1463	.1396	.1817
380	3.51	.747	.714	8.03	.1755	.1596	.1471	.1371	.1907
420	3.00	.851	.732	9.42	.1844	.1666	.1522	.1406	.2027
460	2.79	.878	.602	10.36	.1901	.1703	.1555	.1436	.2070
500	1.83	.955	.737	11.99	.2104	.1904	.1742	.1611	.2325
LP/0(1/3) = 7.4									
LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	4.06	.570	.700	6.02	.1641	.1519	.1416	.1333	.1773
340	3.65	.671	.701	6.33	.1706	.1574	.1456	.1355	.1885
380	3.26	.750	.702	6.78	.1825	.1644	.1500	.1386	.2001
420	2.95	.819	.726	10.00	.1906	.1694	.1543	.1415	.2070
460	2.54	.875	.657	11.72	.1979	.1772	.1600	.1476	.2250
500	1.50	.966	.690	13.37	.2212	.1986	.1800	.1662	.2432
LP/0(1/3) = 8.0									
LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	3.00	.580	.704	7.71	.1717	.1570	.1454	.1361	.1866
340	3.47	.669	.700	9.37	.1823	.1668	.1510	.1399	.1992
380	3.09	.753	.705	10.94	.1924	.1727	.1569	.1462	.2125
420	2.90	.779	.702	11.36	.1959	.1740	.1584	.1453	.2159
460	2.49	.852	.606	12.74	.2047	.1815	.1637	.1495	.2264
500	1.11	.984	.660	14.93	.2297	.2041	.1839	.1676	.2566
LP/0(1/3) = 8.5									
LP (FT) = 21.2 45.0 99.6 212.5 21.2 45.0 99.6 212.5									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	3.76	.674	.767	9.66	.1809	.1665	.1515	.1412	.1994
340	3.35	.659	.776	10.40	.1916	.1723	.1570	.1464	.2113
380	3.01	.725	.775	11.75	.2000	.1794	.1616	.1499	.2212
420	3.00	.710	.771	11.62	.2096	.1891	.1613	.1474	.2273
460	2.42	.835	.715	13.75	.2097	.1849	.1656	.1501	.2340
500	.61	1.000	.137	15.10	.2404	.2136	.1923	.1753	.2676
LP/0(1/3) = 9.0									
LP (FT) = 22.5 46.5 104.4 225.0 22.5 46.5 104.4 225.0									
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004
LP (DEG)	LP	LP	LP	0(12/3)	1000	10000	100000	1000000	1000
300	3.66	.565	.767	9.71	.1893	.1713	.1571	.1454	.2064
340	3.24	.680	.759	11.45	.1983	.1772	.1605	.1472	.2189
380	3.01	.687	.767	12.32	.2024	.1801	.1623	.1481	.2267
420	2.80	.721	.754	12.91	.2052	.1817	.1642	.1492	.2284
460	2.00	.900	.109	15.43	.2182	.1907	.1690	.1516	.2454
500	-.05	.976	.079	11.19	.2465	.2366	.2200	.2081	.2767

RESISTANCE DATA SERIES 65-8 MODEL 5240

LP/SPK = 3.32

DEADRISE ANGLE = 16.3 DEG

FNU = 3.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.0				LP (FT) = 15.0 32.3 69.6 150.0				15.0 32.3 69.6 150.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.50	.500	.272	5.39	.1201	.1134	.1010	.0925	.1413	.1266	.1150	.1057
.340	2.90	.593	.306	6.91	.1499	.1314	.1170	.1055	.1667	.1404	.1239	.1124
.380	1.74	.629	.537	7.00	.2005	.1827	.1607	.1575	.2170	.2000	.1860	.1740

LP/V(1/3) = 6.5				LP (FT) = 16.2 35.0 75.4 162.5				16.2 35.0 75.4 162.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.11	.566	.203	5.02	.1661	.1529	.1424	.1341	.1704	.1652	.1547	.1464
.340	3.79	.637	.276	5.90	.1782	.1629	.1508	.1411	.1927	.1773	.1652	.1556
.380	3.50	.694	.277	6.70	.1903	.1732	.1596	.1488	.2067	.1896	.1760	.1652
.420	3.21	.759	.290	7.52	.2042	.1852	.1702	.1582	.2226	.2036	.1886	.1767
.460	2.84	.815	.360	8.41	.2211	.2003	.1840	.1708	.2417	.2209	.2046	.1914
.500	2.35	.854	.542	9.32	.2420	.2207	.2031	.1891	.2657	.2435	.2260	.2119

LP/V(1/3) = 7.0				LP (FY) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.10	.564	.230	5.20	.1894	.1757	.1649	.1563	.2021	.1884	.1776	.1690
.340	3.82	.647	.219	5.70	.2010	.1869	.1751	.1657	.2160	.2010	.1892	.1790
.380	3.52	.710	.220	6.33	.2135	.1974	.1847	.1745	.2290	.2129	.2002	.1900
.420	3.24	.780	.233	6.90	.2249	.2076	.1940	.1831	.2410	.2245	.2109	.2000
.460	3.00	.832	.254	7.47	.2356	.2172	.2026	.1910	.2539	.2355	.2209	.2093
.500	2.76	.871	.341	8.32	.2437	.2236	.2077	.1950	.2641	.2440	.2281	.2154

LP/V(1/3) = 7.5				LP (FY) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.96	.572	.183	5.04	.2014	.1861	.1740	.1643	.2157	.2004	.1883	.1786
.340	3.61	.651	.181	6.53	.2124	.1956	.1824	.1710	.2284	.2116	.1983	.1878
.380	3.32	.714	.191	7.10	.2224	.2043	.1900	.1785	.2400	.2219	.2076	.1961
.420	3.07	.773	.205	7.83	.2321	.2126	.1973	.1849	.2513	.2318	.2164	.2041
.460	2.81	.807	.246	8.40	.2382	.2177	.2014	.1884	.2580	.2382	.2220	.2090
.500	2.73	.842	.306	9.14	.2451	.2231	.2050	.1910	.2675	.2455	.2281	.2142

LP/V(1/3) = 8.0				LP (FT) = 20.0				43.1	92.0	200.0	20.0	43.1	92.0	200.0
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(2/3)										
.300	3.66	.576	.164	7.06	.2009	.1825	.1681	.1565	.2181	.1998	.1853	.1730		
.340	3.34	.647	.170	8.07	.2113	.1907	.1745	.1615	.2310	.2105	.1943	.1813		
.380	3.09	.704	.184	8.93	.2209	.1985	.1800	.1667	.2427	.2203	.2027	.1885		
.420	2.90	.746	.220	9.65	.2288	.2051	.1864	.1713	.2525	.2287	.2100	.1950		
.460	2.70	.786	.274	10.42	.2377	.2126	.1920	.1768	.2632	.2381	.2183	.2023		
.500	2.42	.841	.366	11.51	.2416	.2246	.2032	.1859	.2790	.2529	.2313	.2141		

LP/V(1/3) = 8.5				LP (FT) = 21.2 45.8 99.6 212.5				21.2 45.8 99.6 212.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.47	.569	.166	8.41	.1991	.1774	.1604	.1467	.2197	.1980	.1810	.1673
.340	3.15	.639	.175	9.76	.2112	.1866	.1672	.1517	.2351	.2105	.1911	.1756
.380	2.92	.692	.203	10.74	.2217	.1952	.1743	.1575	.2480	.2215	.2006	.1838
.420	2.73	.734	.251	11.50	.2316	.2030	.1819	.1642	.2590	.2320	.2100	.1924
.460	2.47	.789	.319	12.46	.2456	.2162	.1929	.1742	.2761	.2467	.2234	.2047
.500	2.09	.865	.417	13.76	.2640	.2365	.2115	.1914	.3017	.2702	.2452	.2251

LP/V(1/3) = 9.0				LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LC	V(2/3)								
.300	3.41	.554	.173	9.87	.2126	.1895	.1713	.1567	.2340	.2117	.1935	.1789
.340	3.06	.639	.183	10.69	.2282	.2016	.1807	.1634	.2544	.2278	.2080	.1900
.380	2.87	.674	.212	11.57	.2377	.2094	.1871	.1691	.2640	.2374	.2154	.1975
.420	2.70	.715	.248	12.36	.2466	.2170	.1935	.1746	.2769	.2472	.2238	.2049
.460	2.44	.775	.304	13.51	.2600	.2292	.2041	.1839	.2939	.2622	.2372	.2170
.500	2.00	.869	.387	15.19	.2855	.2510	.2235	.2015	.3227	.2882	.2607	.2387

RESISTANCE DATA SERIES 45-B MODEL 5240

LP/DX = 3.12

DEADRISE ANGLE = 16.3 DEG

FNO = 4.00

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.68	.457	.323	5.82	.1434	.1241	.1089	.0967	.1620	.1427	.1275	.1153
.340	.95	.447	.407	7.06	.1777	.1550	.1370	.1227	.2003	.1776	.1596	.1452
.380	0.00	.454	.459	6.65	.2672	.2454	.2241	.2143	.2845	.2666	.2494	.2356

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.23	.525	.129	4.94	.2094	.1927	.1795	.1690	.2252	.2085	.1953	.1847
.340	2.95	.576	.160	5.48	.2215	.2034	.1891	.1777	.2300	.2209	.2066	.1952
.380	2.66	.632	.237	6.75	.2304	.2088	.1918	.1781	.2519	.2304	.2134	.1997
.420	2.40	.683	.315	8.05	.2402	.2152	.1955	.1796	.2659	.2410	.2212	.2051
.460	2.13	.731	.393	9.38	.2523	.2239	.2014	.1833	.2823	.2539	.2314	.2133
.500	1.84	.776	.472	10.77	.2686	.2367	.2114	.1910	.3031	.2712	.2459	.2255

RESISTANCE DATA SERIES 65-A MODFL 5214

LP/ARV = 4.49

DEADRISE ANGLE = 16.3 CFG

FMV = 1.00

WRIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 14.2 35.0 75.4 162.5 14.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.21	.964	.594	7.16	.0649	.0632	.0618	.0607	.0664	.0646	.0632	.0621
.340	1.96	.944	.743	7.61	.0540	.0521	.0507	.0495	.0555	.0536	.0522	.0510
.380	.80	.903	.893	7.86	.0456	.0444	.0423	.0411	.0472	.0453	.0439	.0427

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.67	.972	.516	8.07	.0592	.0572	.0554	.0544	.0604	.0588	.0572	.0560
.340	1.40	.980	.651	8.41	.0475	.0455	.0439	.0426	.0492	.0472	.0456	.0443
.380	.56	.994	.699	8.77	.0404	.0384	.0364	.0356	.0421	.0400	.0385	.0372

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.8 187.5 18.7 40.4 87.8 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.23	.974	.447	8.78	.0540	.0520	.0512	.0498	.0547	.0546	.0528	.0516
.340	1.24	.981	.472	9.11	.0450	.0424	.0410	.0396	.0464	.0446	.0428	.0415
.380	.47	.984	.377	9.24	.0347	.0326	.0312	.0302	.0402	.0379	.0361	.0347
.420	-.47	1.000	.102	9.14	.0347	.0323	.0305	.0290	.0345	.0341	.0327	.0308

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.02	.967	.489	9.75	.0525	.0501	.0482	.0468	.0544	.0520	.0502	.0487
.340	1.09	.981	.320	10.20	.0434	.0409	.0399	.0374	.0455	.0429	.0410	.0394
.380	.36	.987	.154	10.72	.0373	.0346	.0326	.0317	.0393	.0367	.0347	.0330
.420	-.44	.994	0.003	10.07	.0334	.0307	.0286	.0269	.0356	.0324	.0305	.0289

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.67	.964	.296	11.02	.0503	.0473	.0452	.0435	.0522	.0495	.0474	.0457
.340	.96	.985	.192	11.48	.0414	.0389	.0367	.0349	.0444	.0412	.0390	.0372
.380	.29	.990	0.000	11.79	.0357	.0324	.0305	.0286	.0349	.0350	.0327	.0309
.420	-.47	.977	0.000	10.41	.0313	.0282	.0259	.0240	.0334	.0307	.0280	.0261

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.54	.965	.149	12.44	.0475	.0444	.0420	.0401	.0501	.0469	.0445	.0426
.340	.84	.992	.093	12.80	.0394	.0366	.0341	.0321	.0423	.0391	.0366	.0347
.380	.24	.993	0.000	12.71	.0345	.0303	.0274	.0254	.0360	.0329	.0303	.0283

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.37	.971	.086	13.97	.0444	.0413	.0386	.0364	.0476	.0441	.0414	.0392
.340	.83	.994	.022	14.10	.0376	.0341	.0313	.0292	.0405	.0369	.0342	.0320
.380	.27	.995	0.000	13.60	.0324	.0274	.0244	.0224	.0334	.0300	.0274	.0254

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.4 25.0 53.8 116.0 249.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.20	.974	0.000	15.40	.0421	.0383	.0352	.0328	.0452	.0414	.0383	.0359
.340	.82	1.000	0.000	15.41	.0364	.0316	.0286	.0262	.0345	.0317	.0287	.0267
.380	.20	.997	0.000	13.70	.0277	.0242	.0216	.0194	.0304	.0270	.0243	.0222

RESISTANCE DATA SERIES 64-B MODEL 4214

LP/RY = 4.60

DEADRISE ANGLE = 16.3 DEG

FNU = 1.26

HEIGHT = LIFT (LH, SEAWATER) = 100' 1000' 10000' 100000' 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.34	.916	.614	7.21	.1064	.1037	.1016	.1000	.1196	.1080	.1039	.1022
.340	3.07	.969	.720	7.76	.0795	.0769	.0748	.0731	.0898	.0871	.0851	.0834
.380	1.82	.996	1.000	8.10	.0717	.0690	.0668	.0650	.0767	.0744	.0724	.0707
.420	-.56	1.000	1.000	8.26	.0641	.0617	.0595	.0578	.0667	.0648	.0628	.0610
.460	-.27	1.000	.866	8.23	.0621	.0597	.0575	.0557	.0646	.0628	.0608	.0590

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.58	.924	.679	7.68	.0943	.0914	.0892	.0874	.0966	.0938	.0916	.0898
.340	2.35	.978	.749	8.11	.0762	.0732	.0708	.0689	.0789	.0759	.0734	.0715
.380	1.20	.991	1.000	8.23	.0615	.0581	.0559	.0539	.0645	.0613	.0588	.0569
.420	-.13	.998	.868	8.22	.0543	.0513	.0490	.0472	.0569	.0539	.0516	.0498

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.02	.949	.701	8.24	.0862	.0831	.0807	.0788	.0887	.0857	.0833	.0814
.340	1.87	.995	.876	8.74	.0673	.0640	.0614	.0593	.0711	.0680	.0653	.0622
.380	-.40	1.000	.999	8.63	.0546	.0512	.0485	.0463	.0576	.0542	.0515	.0493
.420	-.83	.996	.868	8.64	.0498	.0464	.0437	.0416	.0527	.0492	.0465	.0444

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.67	.960	.755	9.12	.0790	.0757	.0721	.0690	.0809	.0775	.0749	.0729
.340	1.44	1.000	.949	9.46	.0609	.0573	.0545	.0522	.0640	.0604	.0576	.0553
.380	-.69	1.000	.943	10.32	.0507	.0469	.0438	.0415	.0539	.0501	.0471	.0447
.420	-.13	.994	1.000	11.21	.0476	.0433	.0402	.0377	.0504	.0465	.0434	.0409

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.08	.963	.764	10.17	.0717	.0675	.0636	.0602	.0744	.0707	.0678	.0654
.340	1.27	1.000	.945	11.00	.0564	.0524	.0493	.0468	.0600	.0559	.0529	.0502
.380	-.55	1.000	.944	11.75	.0477	.0434	.0400	.0373	.0512	.0469	.0435	.0409
.420	-.21	.970	1.000	11.12	.0452	.0407	.0372	.0345	.0487	.0447	.0417	.0391

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 106.4 225.0 22.5 48.5 106.4 225.0

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.80	.962	.949	11.60	.0659	.0616	.0572	.0546	.0685	.0642	.0619	.0592
.340	1.10	1.000	.952	12.40	.0532	.0489	.0449	.0420	.0571	.0524	.0489	.0459
.380	-.44	1.000	1.000	12.69	.0457	.0405	.0368	.0338	.0487	.0444	.0407	.0377
.420	-.70	.955	1.000	11.51	.0431	.0385	.0349	.0320	.0467	.0421	.0385	.0356

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.60	.962	.961	13.32	.0615	.0565	.0526	.0495	.0656	.0606	.0569	.0537
.340	.93	1.000	1.000	13.95	.0504	.0451	.0410	.0378	.0547	.0495	.0454	.0422
.380	-.60	1.000	1.000	14.62	.0424	.0377	.0336	.0304	.0471	.0419	.0379	.0347
.420	-.37	.916	1.000	11.20	.0406	.0357	.0320	.0281	.0441	.0397	.0361	.0326

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG LP (FT)	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.50	.964	.986	15.10	.0545	.0490	.0444	.0410	.0607	.0557	.0511	.0476
.340	.97	1.000	1.000	15.57	.0476	.0420	.0374	.0339	.0524	.0469	.0421	.0387
.380	-.76	1.000	1.000	16.71	.0400	.0346	.0300	.0269	.0444	.0391	.0349	.0315
.420	-.40	.906	.866	9.96	.0377	.0324	.0286	.0243	.0404	.0356	.0317	.0284

RESISTANCE DATA SERIES 65-R MODEL 5239

LP/SPN = 4.69

DEADWTSF ANGLE = 16.3 DEG

FNU = 1.50

WEIGHT = LIFT (LB, SEANATFR) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	4.69	.865	.531	6.42	.1176	.1161	.1114	.1092	.1206	.1171	.1144	.1122
.340	3.19	.957	.674	7.73	.0954	.0945	.0946	.0862	.0947	.0949	.0919	.0896
.380	2.19	.987	.895	7.84	.0856	.0818	.0747	.0763	.0891	.0853	.0823	.0798
.420	.42	.957	.974	8.10	.0716	.0677	.0646	.0621	.0753	.0713	.0682	.0657

LP/V(1/3) = 7.0 LP (FT) = 17.4 37.7 81.2 175.0 17.4 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	7.02	.871	.589	7.67	.1056	.1017	.0907	.0863	.1049	.1011	.0921	.0896
.340	2.56	.972	.780	8.58	.0803	.0801	.0808	.0782	.0921	.0919	.0947	.0920
.380	1.50	.980	1.000	9.14	.0775	.0732	.0690	.0670	.0817	.0773	.0739	.0711
.420	.67	.981	.890	8.92	.0720	.0677	.0643	.0616	.0760	.0717	.0687	.0656
.460	-.37	1.000	.806	7.15	.0692	.0653	.0622	.0597	.0724	.0685	.0654	.0629

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	3.17	.916	.676	8.04	.0961	.0920	.0880	.0863	.0997	.0956	.0924	.0899
.340	2.17	.975	.823	9.02	.0815	.0770	.0735	.0707	.0855	.0811	.0776	.0749
.380	1.27	.984	.838	9.57	.0718	.0671	.0634	.0605	.0761	.0716	.0677	.0649
.420	.43	.986	.806	9.40	.0661	.0614	.0576	.0546	.0704	.0656	.0619	.0589

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	2.70	.924	.691	8.66	.0907	.0863	.0829	.0801	.0946	.0902	.0868	.0840
.340	1.74	.981	.873	9.65	.0760	.0711	.0673	.0642	.0803	.0754	.0716	.0686
.380	1.03	.987	.846	10.23	.0667	.0615	.0574	.0541	.0713	.0661	.0624	.0593
.420	.27	.994	.800	10.35	.0623	.0569	.0525	.0491	.0669	.0615	.0572	.0538

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.9 98.6 212.5 21.2 45.9 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	2.38	.933	.724	9.68	.0847	.0798	.0759	.0720	.0890	.0841	.0802	.0772
.340	1.50	.982	.843	10.43	.0703	.0648	.0605	.0571	.0751	.0696	.0653	.0619
.380	.85	1.000	.846	11.24	.0619	.0560	.0514	.0470	.0670	.0611	.0565	.0520
.420	.14	.997	0.000	11.46	.0569	.0527	.0479	.0441	.0641	.0579	.0531	.0492

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	2.00	.949	.710	10.95	.0789	.0732	.0688	.0652	.0839	.0782	.0747	.0702
.340	1.31	1.000	.808	11.99	.0656	.0593	.0544	.0506	.0710	.0647	.0598	.0558
.380	.71	1.000	0.000	12.49	.0578	.0511	.0460	.0419	.0634	.0568	.0516	.0475
.420	0.00	.987	0.000	12.32	.0561	.0495	.0443	.0402	.0617	.0549	.0499	.0457

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	1.76	.966	.691	12.70	.0733	.0667	.0615	.0574	.0790	.0724	.0672	.0631
.340	1.16	1.000	0.000	13.65	.0611	.0540	.0484	.0439	.0672	.0601	.0545	.0501
.380	.61	1.000	0.000	13.87	.0539	.0466	.0408	.0364	.0601	.0528	.0471	.0426
.420	-.11	.970	0.000	12.59	.0536	.0469	.0417	.0376	.0592	.0526	.0474	.0432

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LP	V(2/3)	LP	LP	LP	LP	LP	LP	LP	LP
.300	1.59	.967	.606	14.76	.0679	.0603	.0543	.0495	.0745	.0669	.0609	.0561
.340	1.06	1.000	0.000	15.40	.0570	.0490	.0427	.0378	.0640	.0560	.0497	.0447
.380	.52	1.000	0.000	15.09	.0504	.0426	.0365	.0316	.0571	.0494	.0433	.0384
.420	-.23	.947	.022	11.85	.0520	.0459	.0411	.0373	.0574	.0512	.0444	.0406

RESISTANCE DATA SERIES 65-9 MONFL 5239

LP/HPX = 4.60

DEADRISE ANGLE = 16.3 DEG

FNU = 1.75

HEIGHT = LIFT (LN, SEAWATER) = 100' 10000 100100 1000000 1000 10000 100100 1000000

LP/V(1/3) = 6.5 LP (FT) = 14.2 35.0 75.4 162.5 14.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	4.65	.811	.527	6.50	.1225	.1180	.1145	.1116	.1265	.1223	.1184	.1156
.340	7.24	.948	.648	7.51	.1045	.0996	.0955	.0923	.1091	.1040	.1001	.0969
.380	2.12	.996	.847	8.67	.0944	.0891	.0850	.0818	.0993	.0941	.0900	.0867
.420	.97	.949	1.000	7.88	.0808	.0755	.0716	.0705	.0853	.0804	.0764	.0733

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	3.85	.842	.444	7.78	.1131	.1080	.1040	.1009	.1176	.1125	.1085	.1054
.340	2.63	.955	.721	8.60	.0980	.0924	.0880	.0844	.1032	.0976	.0932	.0897
.380	1.66	.979	.986	9.07	.0842	.0834	.0789	.0753	.0947	.0890	.0845	.0809
.420	.83	.979	.910	9.09	.0848	.0791	.0745	.0709	.0884	.0844	.0801	.0764
.460	-.77	.996	.289	8.67	.0845	.0785	.0738	.0700	.0848	.0838	.0791	.0753

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.8 187.5 18.7 40.4 87.8 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	3.17	.899	.485	8.34	.1077	.1031	.0997	.0962	.1088	.1037	.0998	.0953
.340	2.14	.967	.674	9.17	.0913	.0864	.0837	.0770	.0970	.0910	.0864	.0826
.380	1.39	.976	.974	9.54	.0843	.0792	.0744	.0705	.0911	.0850	.0802	.0764
.420	.78	.998	.622	9.61	.0832	.0784	.0728	.0681	.0881	.0824	.0779	.0740
.460	-.15	1.000	.381	9.49	.0845	.0788	.0738	.0690	.0883	.0834	.0788	.0749

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	2.69	.899	.442	8.92	.0979	.0928	.0874	.0836	.1034	.0975	.0928	.0891
.340	1.83	.954	.658	9.74	.0877	.0813	.0762	.0722	.0936	.0873	.0822	.0782
.380	1.19	.978	.987	10.14	.0829	.0753	.0700	.0658	.0842	.0815	.0767	.0720
.420	.56	.988	.877	10.27	.0745	.0717	.0663	.0620	.0849	.0790	.0726	.0683
.460	-.29	.991	0.000	9.49	.0740	.0714	.0665	.0621	.0849	.0779	.0724	.0680

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	2.31	.982	.383	9.70	.0924	.0863	.0812	.0771	.0987	.0927	.0871	.0830
.340	1.59	.961	.620	10.63	.0811	.0760	.0703	.0658	.0846	.0825	.0768	.0724
.380	1.01	.997	.179	11.14	.0772	.0694	.0636	.0589	.0840	.0764	.0704	.0657
.420	.36	.991	.036	11.27	.0732	.0654	.0592	.0543	.0801	.0723	.0661	.0612

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 106.4 225.0 22.5 48.5 106.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	2.02	.910	.146	10.46	.0865	.0798	.0732	.0685	.0937	.0857	.0799	.0752
.340	1.40	.973	.043	12.02	.0768	.0686	.0621	.0569	.0842	.0759	.0694	.0643
.380	.89	1.000	0.000	12.61	.0711	.0624	.0555	.0501	.0789	.0701	.0632	.0578
.420	.27	1.000	0.000	12.74	.0684	.0594	.0525	.0469	.0742	.0673	.0603	.0547

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 119.2 237.4 23.7 51.2 119.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	1.80	.973	.951	17.77	.0827	.0740	.0671	.0617	.0885	.0818	.0749	.0694
.340	1.27	.946	0.000	13.74	.0734	.0630	.0565	.0506	.0818	.0723	.0649	.0598
.380	.90	1.000	0.000	14.19	.0676	.0578	.0501	.0448	.0763	.0665	.0588	.0527
.420	.17	1.000	0.000	13.87	.0652	.0556	.0481	.0421	.0737	.0641	.0566	.0506

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	1.64	.917	.314	14.83	.0779	.0678	.0599	.0535	.0878	.0769	.0689	.0626
.340	1.17	.996	0.000	15.70	.0687	.0581	.0497	.0430	.0813	.0697	.0613	.0526
.380	.72	1.000	0.000	15.87	.0625	.0517	.0433	.0365	.0722	.0615	.0530	.0462
.420	0.00	.998	0.000	14.25	.0610	.0513	.0437	.0377	.0697	.0581	.0524	.0464

RESISTANCE DATA SERIES 65-N MONFL 5234

LP/RY = 4.40

HEADWIND ANGLE = 16.3 DEG

FW = 2.01

WEIGHT = LIFT (L, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.4 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	6.71	.754	.445	6.00	.1324	.1276	.1231	.1197	.1375	.1327	.1279	.1245
.340	3.21	.939	.471	7.13	.1146	.1086	.1036	.0997	.1201	.1141	.1093	.1054
.380	2.16	.999	.796	8.07	.1046	.0979	.0927	.0885	.1119	.1046	.0991	.0949
.420	1.07	.939	1.000	8.62	.0999	.0930	.0876	.0832	.1048	.0999	.0945	.0901

LP/V(1/3) = 7.0 LP (FT) = 17.4 37.7 81.2 175.0 17.4 37.7 81.2 175.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	7.83	.823	.431	6.00	.1241	.1170	.1123	.1085	.1286	.1225	.1176	.1140
.340	2.62	.950	.648	7.27	.1082	.1013	.0959	.0915	.1148	.1079	.1025	.0981
.380	1.70	.970	.957	8.46	.0990	.0926	.0869	.0826	.1069	.0997	.0941	.0895
.420	.93	.979	1.000	9.46	.0970	.0905	.0845	.0790	.1046	.0971	.0911	.0863
.460	.12	.990	.764	10.46	.1001	.0921	.0856	.0806	.1043	.0971	.0916	.0864

LP/V(1/3) = 7.4 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	3.17	.851	.424	6.34	.1134	.1066	.1009	.0966	.1249	.1183	.1126	.1081
.340	2.12	.946	.648	7.21	.1017	.0941	.0882	.0836	.1090	.1025	.0965	.0919
.380	1.42	.977	.810	8.46	.0973	.0906	.0846	.0795	.1048	.0977	.0911	.0862
.420	.92	.990	.790	10.03	.0973	.0902	.0842	.0777	.1051	.0972	.0909	.0857
.460	.45	1.000	.632	10.45	.1003	.0917	.0840	.0796	.1046	.0961	.0893	.0849
.500	-.16	1.000	.174	11.19	.1094	.0947	.0870	.0806	.1146	.1076	.1010	.0944

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	2.84	.871	.450	6.34	.1087	.1000	.0945	.0895	.1147	.1071	.1010	.0970
.340	1.81	.949	.543	10.03	.1006	.0926	.0859	.0807	.1046	.0974	.0914	.0867
.380	1.24	.969	.846	10.24	.0964	.0883	.0817	.0766	.1049	.0965	.0909	.0866
.420	.84	.996	.646	10.30	.0964	.0880	.0811	.0757	.1027	.0941	.0884	.0820
.460	-.07	.990	.094	10.27	.0961	.0880	.0810	.0752	.1027	.0932	.0861	.0804

LP/V(1/3) = 8.4 LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	2.24	.942	.370	10.26	.1063	.0976	.0900	.0853	.1145	.1069	.0990	.0935
.340	1.44	.957	.345	10.46	.0991	.0901	.0830	.0773	.1078	.0994	.0917	.0860
.380	1.02	.968	.341	10.44	.0930	.0839	.0767	.0709	.1019	.0926	.0846	.0797
.420	.74	.944	.164	10.36	.0870	.0780	.0700	.0624	.0922	.0837	.0762	.0706

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	2.07	.946	.237	11.30	.1034	.0938	.0862	.0807	.1125	.1029	.0957	.0892
.340	1.42	.958	.144	11.46	.0957	.0856	.0776	.0712	.1051	.0951	.0871	.0808
.380	.86	.946	.120	12.02	.0979	.0877	.0796	.0731	.0976	.0871	.0797	.0727
.420	0.00	.915	.331	10.44	.0746	.0651	.0577	.0510	.0831	.0737	.0663	.0604

LP/V(1/3) = 9.4 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	1.79	.916	.099	12.74	.0991	.0881	.0796	.0724	.1097	.0983	.0906	.0827
.340	1.24	.940	.076	13.45	.0913	.0797	.0705	.0632	.1020	.0904	.0813	.0740
.380	.83	1.000	0.000	13.40	.0843	.0725	.0633	.0559	.0942	.0826	.0742	.0664
.420	.11	.970	0.000	12.47	.0749	.0641	.0556	.0488	.0844	.0740	.0654	.0587

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(1/3)								
.300	1.63	.912	.004	14.66	.0914	.0810	.0710	.0630	.1055	.0924	.0824	.0744
.340	1.21	.942	0.000	14.33	.0847	.0734	.0629	.0544	.0989	.0856	.0752	.0669
.380	.85	1.000	0.000	14.41	.0812	.0698	.0592	.0504	.0976	.0840	.0746	.0662
.420	.23	1.000	0.000	14.57	.0754	.0632	.0533	.0454	.0974	.0849	.0750	.0671

RESISTANCE DATA SERIES 65-0 MONFL 5239

LP/MPX = 4.69

DEADWISE ANGLE = 16.3 DEG

PHI = 6.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.45	.915	.487	5.07	.1611	.1540	.1485	.1441	.1674	.1604	.1540	.150
.350	3.80	.881	.466	6.88	.1475	.1389	.1327	.1260	.1556	.1479	.1403	.1349
.380	2.33	1.000	.675	7.76	.1346	.1287	.1210	.1149	.1481	.1384	.1307	.1246
.425	1.42	.997	1.000	9.25	.1173	.1262	.1174	.1103	.1409	.1377	.1290	.1219
.460	1.45	.999	1.000	9.20	.1172	.1262	.1175	.1104	.1407	.1377	.1290	.1219

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.27	.695	.367	6.40	.1475	.1300	.1320	.1265	.1555	.1460	.1400	.1345
.350	2.84	.924	.517	7.80	.1349	.1279	.1200	.1136	.1479	.1370	.1290	.1235
.380	1.93	.968	.860	8.78	.1132	.1224	.1141	.1074	.1442	.1335	.1251	.1183
.425	.50	.970	1.000	10.02	.1204	.1175	.1042	.1006	.1419	.1301	.1207	.1131

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.8 187.5 18.7 40.4 87.8 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.45	.754	.320	7.38	.1399	.1301	.1224	.1163	.1489	.1392	.1315	.1254
.350	2.21	.911	.616	8.72	.1245	.1147	.1101	.1033	.1404	.1296	.1218	.1142
.380	1.44	.976	.890	9.74	.1267	.1158	.1058	.0993	.1389	.1277	.1179	.1105
.420	.90	1.000	.926	10.64	.1182	.1179	.1074	.0993	.1436	.1388	.1287	.1126
.465	.40	1.000	.704	11.81	.1192	.1250	.1137	.1044	.1539	.1397	.1284	.1194
.500	-.27	1.300	.250	17.75	.1615	.1439	.1380	.1189	.1707	.1611	.1472	.1361

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.81	.794	.749	8.75	.1352	.1244	.1150	.1090	.1457	.1340	.1263	.1194
.350	1.86	.929	.594	9.89	.1279	.1150	.1062	.0985	.1402	.1281	.1195	.1104
.380	1.27	.998	.620	10.44	.1254	.1126	.1021	.0936	.1395	.1263	.1159	.1073
.420	.64	1.039	.669	11.84	.1277	.1130	.1015	.0922	.1475	.1279	.1163	.1070
.460	-.05	.952	0.000	17.99	.1359	.1182	.1043	.0932	.1521	.1344	.1205	.1094

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.38	.821	.699	9.60	.1371	.1194	.1103	.1026	.1441	.1319	.1223	.1146
.350	1.60	.949	.504	11.35	.1271	.1133	.1023	.0925	.1413	.1274	.1165	.1077
.380	.95	1.000	.790	12.40	.1230	.1077	.0957	.0860	.1385	.1232	.1112	.1015
.425	.24	.960	0.000	12.86	.1180	.1007	.0872	.0763	.1341	.1160	.1032	.0924

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.09	.840	.705	11.07	.1319	.1172	.1062	.0975	.1400	.1210	.1101	.1011
.350	1.37	.971	.399	17.07	.1260	.1101	.0975	.0874	.1473	.1267	.1134	.1036
.380	.77	1.090	.216	13.42	.1192	.1010	.0941	.0771	.1466	.1192	.1054	.0949
.420	0.00	.918	0.000	17.20	.1043	.0860	.0716	.0595	.1279	.1034	.0882	.0761

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.85	.879	.374	12.44	.1291	.1135	.1009	.0909	.1453	.1294	.1169	.1069
.350	1.17	.996	.330	14.05	.1249	.1054	.0914	.0744	.1427	.1245	.1101	.0985
.380	.61	1.030	.150	15.58	.1193	.0988	.0835	.0712	.1377	.1183	.1029	.0906
.420	.00	.954	0.000	14.80	.1110	.0912	.0752	.0626	.1245	.1094	.0937	.0811

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.4 114.8 249.9 25.0 53.4 114.8 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.65	.911	.251	14.74	.1279	.1097	.0953	.0837	.1404	.1281	.1137	.1022
.350	1.01	1.000	.227	16.07	.1242	.1037	.0974	.0744	.1453	.1249	.1085	.0955
.380	.52	1.030	.145	17.26	.1239	.1017	.0849	.0714	.1445	.1233	.1065	.0930
.425	.15	1.000	.033	16.55	.1243	.1023	.0850	.0725	.1440	.1230	.1055	.0932
.460	-.15	.974	0.000	15.22	.1245	.1043	.0905	.0754	.1435	.1233	.1074	.0940

RESISTANCE DATA					SERIES 44-H				MODEL 5212			
LP/THX = 4.60					DEPARTURE ANGLE = 16.3 DEG				FNR = 3.04			
HEIGHT = LIFT (L9, SPANWATER) = 100' 10000 100000 1000000 1000 10000 100000 1000000												
LP/V(1/3) = 4.4					LP (FT) = 14.2 35.0 75.4 162.5				14.2 35.0 75.4 162.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.20	.640	.344	4.70	.1404	.1397	.1324	.1244	.1473	.1402	.1410	.1352
.740	2.50	.867	.597	6.79	.1429	.1336	.1269	.1131	.1559	.1428	.1331	.1293
.740	1.25	.857	1.000	8.62	.1553	.1404	.1268	.1195	.1705	.1559	.1444	.1358
LP/V(1/3) = 7.0												
LP (FT) = 17.5 47.7 81.2 175.0					17.5 47.7 81.2 175.0							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.50	.575	.312	5.48	.1699	.1501	.1417	.1356	.1777	.1609	.1516	.1448
.740	3.39	.785	.371	6.84	.1664	.1577	.1435	.1394	.1792	.1667	.1561	.1479
.740	2.33	.947	.610	8.62	.1719	.1573	.1457	.1364	.1870	.1726	.1609	.1516
.420	1.36	.991	1.000	9.83	.1726	.1564	.1476	.1376	.1901	.1741	.1613	.1510
LP/V(1/3) = 7.5												
LP (FT) = 18.7 49.4 87.0 187.5					18.7 49.4 87.0 187.5							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.74	.617	.269	4.47	.1636	.1510	.1413	.1336	.1749	.1624	.1524	.1451
.300	3.00	.750	.269	7.96	.1705	.1567	.1445	.1357	.1949	.1703	.1588	.1496
.340	2.13	.940	.551	9.51	.1771	.1675	.1475	.1371	.1941	.1776	.1646	.1542
.420	1.21	1.000	.950	10.67	.1772	.1599	.1461	.1350	.1964	.1791	.1653	.1542
LP/V(1/3) = 8.0												
LP (FT) = 20.0 49.1 97.8 200.0					20.0 49.1 97.8 200.0							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.320	3.24	.654	.249	7.47	.1670	.1530	.1419	.1331	.1876	.1664	.1553	.1465
.740	2.49	.811	.416	9.12	.1721	.1562	.1434	.1332	.1887	.1725	.1599	.1496
.340	1.71	.945	.544	10.69	.1777	.1594	.1453	.1334	.1949	.1789	.1646	.1531
.420	.97	1.000	.556	12.20	.1846	.1682	.1520	.1390	.2106	.1922	.1749	.1609
.460	.70	1.000	.253	13.62	.2065	.1827	.1639	.1487	.2319	.2172	.1944	.1732
.500	-.27	.944	0.000	14.91	.2278	.1974	.1739	.1552	.2543	.2243	.2007	.1820
LP/V(1/3) = 8.5												
LP (FT) = 21.2 45.8 99.6 212.5					21.2 45.8 99.6 212.5							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.720	2.75	.714	.267	8.44	.1675	.1517	.1397	.1294	.1824	.1671	.1547	.1444
.340	2.00	.894	.413	10.44	.1711	.1529	.1445	.1269	.1901	.1719	.1574	.1454
.740	1.32	1.000	.440	12.31	.1811	.1603	.1436	.1306	.2037	.1828	.1660	.1527
.420	.75	1.000	.313	13.72	.1843	.1700	.1564	.1415	.2230	.1997	.1811	.1662
.460	.70	1.000	.070	14.73	.2191	.1930	.1725	.1559	.2456	.2195	.1990	.1824
.500	-.60	1.000	0.000	15.73	.2364	.2041	.1856	.1676	.2647	.2357	.2137	.1952
LP/V(1/3) = 9.0												
LP (FT) = 22.5 44.4 104.4 225.0					22.5 44.4 104.4 225.0							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.700	2.30	.772	.292	10.10	.1663	.1493	.1340	.1226	.1845	.1645	.1522	.1404
.340	1.61	.944	.450	12.77	.1725	.1513	.1345	.1216	.1947	.1744	.1567	.1432
.740	1.02	1.000	.289	13.86	.1832	.1596	.1407	.1259	.2081	.1844	.1649	.1504
.420	.51	1.000	.100	14.90	.1893	.1727	.1527	.1364	.2241	.1991	.1788	.1627
.460	.19	1.000	.3.007	14.44	.2146	.1879	.1668	.1499	.2465	.2134	.1924	.1759
.500	-.72	.978	0.000	13.97	.2292	.2005	.1779	.1600	.2547	.2256	.2031	.1851
LP/V(1/3) = 9.5												
LP (FT) = 23.7 51.2 110.2 237.4					23.7 51.2 110.2 237.4							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.97	.827	.276	12.05	.1672	.1461	.1294	.1199	.1844	.1677	.1510	.1375
.340	1.31	.940	.270	14.25	.1735	.1493	.1300	.1145	.1992	.1749	.1567	.1422
.380	.77	1.000	.100	15.00	.1813	.1556	.1353	.1109	.2083	.1826	.1627	.1459
.420	.27	1.000	0.000	14.26	.1904	.1649	.1448	.1287	.2140	.1906	.1705	.1547
.460	-.17	.930	0.000	12.14	.1999	.1748	.1469	.1410	.2219	.1977	.1784	.1627
LP/V(1/3) = 10.0												
LP (FT) = 25.0 53.4 114.0 249.9					25.0 53.4 114.0 249.9							
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.74	.870	.246	14.16	.1693	.1449	.1255	.1099	.1944	.1704	.1510	.1354
.740	1.17	1.000	.240	16.14	.1762	.1498	.1273	.1099	.2052	.1789	.1564	.1390
.380	.60	1.000	.164	16.05	.1827	.1554	.1370	.1164	.2115	.1843	.1627	.1457
.420	.17	1.000	.040	14.23	.1886	.1637	.1440	.1281	.2147	.1893	.1694	.1527
.460	-.14	.925	0.000	11.51	.1937	.1725	.1508	.1424	.2144	.1932	.1745	.1631

RESISTANCE DATA

SERIES 65-B

MOOFL 5239

LP/BPX = 4.69

DEADRISE ANGLE = 16.3 DEG

FNW = 2.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1001 10001 100000 1000000

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.41	.788	.314	9.46	.1634	.1410	.1234	.1091	.1465	.1642	.1465	.1323
.340	.79	.896	.255	11.47	.1969	.1701	.1488	.1317	.2250	.1987	.1769	.1594
.380	.32	.951	.134	13.47	.2349	.2030	.1777	.1574	.2679	.2360	.2107	.1904
.420	.04	.968	.028	14.86	.2627	.2268	.1985	.1757	.2991	.2632	.2349	.2121

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.15	.741	.282	9.46	.1799	.1563	.1376	.1225	.2042	.1806	.1619	.1469
.340	1.63	.898	.304	11.71	.2002	.1734	.1521	.1350	.2289	.2021	.1804	.1636
.380	1.17	1.000	.286	13.51	.2297	.1992	.1751	.1556	.2627	.2323	.2082	.1887
.420	.78	1.000	.235	15.30	.2657	.2314	.2042	.1823	.3031	.2689	.2417	.2197
.460	.46	1.000	.162	16.96	.3039	.2657	.2355	.2111	.3453	.3073	.2770	.2527
.500	.22	1.000	.066	18.36	.3384	.2969	.2640	.2375	.3833	.3419	.3089	.2824

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.92	.795	.252	11.41	.1933	.1665	.1452	.1281	.2215	.1947	.1734	.1563
.340	1.50	.927	.253	13.15	.2177	.1834	.1596	.1405	.2455	.2156	.1918	.1727
.380	1.14	1.000	.233	14.49	.2367	.2041	.1783	.1574	.2722	.2396	.2138	.1929
.420	.82	1.000	.194	16.61	.2633	.2294	.2006	.1783	.3015	.2666	.2389	.2165
.460	.52	1.000	.137	16.55	.2935	.2564	.2269	.2032	.3341	.2970	.2675	.2437
.500	.23	1.000	.059	17.34	.3291	.2898	.2585	.2333	.3717	.3323	.2910	.2758

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.74	.835	.224	13.18	.2022	.1719	.1478	.1284	.2345	.2042	.1801	.1607
.340	1.37	.944	.223	14.54	.2179	.1850	.1590	.1380	.2535	.2207	.1944	.1736
.380	.99	1.000	.197	15.41	.2367	.2017	.1744	.1523	.2739	.2395	.2121	.1900
.420	.56	1.000	.175	15.55	.2608	.2259	.1982	.1758	.2989	.2640	.2362	.2139
.460	0.00	.997	0.000	13.98	.2985	.2659	.2400	.2192	.3327	.2991	.2742	.2534

RESISTANCE DATA SERIES 65-B MODEL 5239

LP/BPX = 4.69

DEADRISE ANGLE = 16.3 DEG

FNV = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.4

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LB	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.09	.754	.147	10.74	.1871	.1543	.1283	.1074	.2215	.1947	.1627	.1418
.340	.76	.806	.121	11.95	.2120	.1757	.1469	.1237	.2503	.2139	.1851	.1620
.380	.30	.829	.062	13.59	.2554	.2138	.1808	.1542	.2949	.2577	.2243	.1977
.420	-.79	.731	0.000	15.79	.3493	.2885	.2476	.2149	.4009	.3390	.2941	.2654

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LB	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.57	.930	.204	12.54	.2244	.1875	.1582	.1346	.2645	.2276	.1943	.1747
.340	1.32	.901	.195	12.67	.2415	.2011	.1702	.1440	.2852	.2455	.2139	.1885
.380	1.07	.961	.177	14.77	.2620	.2194	.1856	.1582	.3042	.2647	.2328	.2055
.420	.73	1.000	.142	16.04	.2932	.2471	.2104	.1808	.3445	.2984	.2617	.2321
.460	.25	1.000	.060	17.42	.3476	.2967	.2563	.2237	.4033	.3525	.3129	.2794
.500	-.45	.887	0.000	18.07	.4454	.3874	.3414	.3046	.5037	.4452	.3952	.3624

RESISTANCE DATA

SERIES 65-B

MODEL 5186

LP/BPX = 3.32

DEADRISE ANGLE = 22.5 DEG

FNU = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.50	.963	.659	6.17	.1120	.1103	.1090	.1080	.1132	.1116	.1103	.1093
.340	4.50	.993	.714	6.30	.0862	.0846	.0833	.0822	.0875	.0858	.0845	.0835
.380	2.31	1.000	.520	6.23	.0740	.0723	.0710	.0700	.0752	.0736	.0722	.0712

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.33	.972	.529	6.72	.0466	.0446	.0432	.0421	.0477	.0459	.0445	.0436
.340	3.39	.997	.356	6.52	.0706	.0688	.0674	.0664	.0719	.0701	.0687	.0677
.380	1.50	.998	.107	7.23	.0577	.0557	.0541	.0529	.0591	.0571	.0556	.0544

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.25	.972	.115	7.51	.0748	.0728	.0712	.0700	.0763	.0743	.0727	.0715
.340	2.71	.984	.006	7.59	.0607	.0586	.0569	.0556	.0623	.0601	.0584	.0571
.380	.81	.997	.125	7.88	.0467	.0445	.0428	.0414	.0482	.0461	.0444	.0430

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.63	.965	.052	8.74	.0689	.0665	.0647	.0633	.0705	.0681	.0663	.0649
.340	2.26	.984	0.000	8.75	.0541	.0515	.0496	.0481	.0558	.0533	.0513	.0498
.380	.46	.993	.048	9.41	.0409	.0386	.0368	.0353	.0426	.0403	.0384	.0370

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.22	.963	0.000	9.33	.0647	.0617	.0597	.0581	.0662	.0635	.0615	.0599
.340	1.93	.982	0.000	9.78	.0491	.0463	.0442	.0425	.0510	.0482	.0461	.0445
.380	.25	.993	.007	9.67	.0387	.0363	.0345	.0330	.0405	.0381	.0362	.0348

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.89	.956	0.000	10.37	.0591	.0562	.0540	.0523	.0611	.0583	.0561	.0544
.340	1.67	.977	0.000	10.63	.0444	.0435	.0413	.0395	.0486	.0457	.0434	.0417
.380	0.00	.993	0.000	8.44	.0383	.0360	.0342	.0329	.0400	.0377	.0359	.0345

RESISTANCE DATA

SERIES 64-B

MODPL 5186

LP/ADY = 3.32

DEADRISE ANGLE = 22.5 DEG

FNU = 1.25

WEIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	6.74	.969	.749	6.24	.1626	.1601	.1582	.1567	.1645	.1621	.1601	.1586
.380	4.50	.994	.920	6.49	.1769	.1344	.1725	.1310	.1390	.1365	.1345	.1330
.420	2.25	1.070	.405	6.24	.1193	.1167	.1147	.1132	.1212	.1187	.1167	.1151
.460	-.41	1.000	.346	5.41	.1130	.1107	.1090	.1076	.1146	.1124	.1107	.1093

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.50	.896	.564	6.15	.1606	.1582	.1563	.1548	.1625	.1601	.1582	.1567
.340	5.12	.978	.706	6.05	.1291	.1266	.1245	.1229	.1315	.1288	.1267	.1251
.380	3.77	.990	.623	6.28	.1101	.1076	.1057	.1041	.1121	.1096	.1076	.1061
.420	1.50	1.000	.238	7.37	.0968	.0938	.0914	.0895	.0991	.0961	.0937	.0918

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.00	.920	.514	7.52	.1319	.1290	.1267	.1249	.1343	.1313	.1290	.1272
.340	3.96	.976	.350	7.67	.1041	.1010	.0986	.0968	.1065	.1034	.1010	.0991
.380	2.50	.987	0.000	7.28	.0882	.0851	.0827	.0808	.0905	.0874	.0849	.0830
.420	.57	1.000	.130	7.61	.0749	.0758	.0734	.0714	.0813	.0782	.0757	.0738

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.64	.935	.340	9.44	.1069	.1034	.1008	.0988	.1094	.1061	.1035	.1014
.340	3.27	.971	0.000	8.20	.0877	.0841	.0814	.0793	.0902	.0867	.0840	.0819
.380	1.77	.987	0.000	8.32	.0721	.0685	.0657	.0636	.0747	.0711	.0683	.0662
.420	-.14	.995	.112	7.32	.0646	.0656	.0633	.0615	.0709	.0679	.0655	.0638

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.96	.936	.046	9.12	.0934	.0897	.0868	.0845	.0967	.0925	.0896	.0873
.340	2.75	.974	0.000	9.35	.0766	.0727	.0696	.0672	.0795	.0756	.0725	.0701
.380	1.23	.985	0.000	9.05	.0614	.0577	.0548	.0525	.0643	.0605	.0576	.0553

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.56	.939	0.000	10.09	.0871	.0829	.0797	.0772	.0902	.0861	.0829	.0804
.340	2.32	.976	0.000	10.50	.0689	.0647	.0614	.0588	.0722	.0679	.0646	.0620
.380	.85	.982	0.000	9.62	.0550	.0511	.0481	.0457	.0580	.0541	.0511	.0487

RESISTANCE DATA

SERIES 65-B

MODEL 51A6

LP/BPX = 3.32

DEADRISE ANGLE = 22.5 DEG

FNV = 1.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	7.01	.955	.646	5.51	.1600	.1650	.1626	.1600	.1735	.1675	.1651	.1632
.380	4.50	.991	.902	6.20	.1439	.1406	.1380	.1359	.1467	.1434	.1408	.1387
.420	2.70	1.000	.701	6.15	.1331	.1297	.1271	.1250	.1358	.1325	.1299	.1270
.460	.50	1.000	0.000	6.66	.1258	.1212	.1176	.1149	.1287	.1242	.1206	.1179

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.92	.809	.536	5.93	.1663	.1630	.1604	.1583	.1689	.1656	.1630	.1610
.340	5.55	.957	.602	6.39	.1446	.1411	.1384	.1363	.1475	.1440	.1413	.1392
.380	3.77	.987	.691	6.59	.1246	.1211	.1184	.1162	.1276	.1241	.1213	.1192
.420	2.24	.996	.312	7.12	.1138	.1099	.1067	.1042	.1170	.1130	.1099	.1074
.460	0.00	1.000	.027	7.05	.1111	.1070	.1037	.1012	.1143	.1101	.1069	.1043

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.52	.846	.476	6.85	.1474	.1436	.1407	.1383	.1504	.1467	.1437	.1414
.340	4.50	.953	.543	7.60	.1254	.1214	.1182	.1157	.1289	.1248	.1216	.1191
.380	3.13	.985	.331	7.48	.1101	.1060	.1028	.1003	.1134	.1094	.1062	.1036
.420	1.68	.993	.043	7.92	.0989	.0943	.0907	.0879	.1025	.0979	.0943	.0915
.460	-.34	1.000	.154	6.79	.1010	.0972	.0942	.0918	.1041	.1002	.0972	.0948

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.28	.877	.448	8.21	.1275	.1233	.1199	.1171	.1315	.1270	.1236	.1208
.340	3.70	.950	.260	8.41	.1090	.1044	.1008	.0980	.1128	.1082	.1046	.1017
.380	2.53	.983	.055	8.40	.0953	.0905	.0868	.0838	.0991	.0943	.0906	.0876
.420	1.04	.990	0.000	8.04	.0855	.0812	.0775	.0746	.0895	.0849	.0811	.0783

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.38	.897	.210	8.82	.1105	.1059	.1021	.0991	.1144	.1099	.1061	.1031
.340	3.22	.959	.027	9.32	.0933	.0880	.0859	.0827	.0995	.0942	.0901	.0869
.380	1.96	.983	0.000	8.96	.0818	.0767	.0727	.0695	.0858	.0807	.0767	.0735
.420	.48	.988	0.000	7.87	.0757	.0713	.0678	.0650	.0793	.0748	.0713	.0686

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.87	.906	.006	9.63	.0965	.0911	.0868	.0834	.1009	.0954	.0911	.0878
.340	2.81	.967	0.000	10.33	.0849	.0783	.0738	.0702	.0887	.0829	.0784	.0748
.380	1.50	.993	0.000	9.37	.0711	.0659	.0618	.0586	.0753	.0701	.0660	.0628
.420	0.00	.993	.001	7.53	.0675	.0633	.0601	.0575	.0709	.0667	.0634	.0609

RESISTANCE DATA SERIES 65-B MODEL 5186

LP/RPX = 3.32

DEADRISE ANGLE = 22.5 DEG

FNW = 1.75

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	7.50	.925	.599	5.49	.1819	.1779	.1748	.1723	.1853	.1813	.1781	.1756
.380	4.90	.985	.822	6.41	.1543	.1498	.1462	.1434	.1582	.1537	.1502	.1474
.420	2.36	.996	.910	6.27	.1442	.1398	.1364	.1336	.1480	.1436	.1402	.1375
.460	0.00	1.000	.908	6.37	.1428	.1384	.1349	.1321	.1467	.1423	.1388	.1360

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	6.00	.925	.548	6.13	.1566	.1521	.1487	.1459	.1603	.1559	.1524	.1497
.380	3.92	.985	.722	6.71	.1336	.1289	.1252	.1223	.1377	.1330	.1293	.1264
.420	2.27	.994	.585	7.14	.1246	.1194	.1153	.1120	.1290	.1237	.1197	.1164
.460	0.30	1.000	0.900	7.08	.1229	.1173	.1130	.1095	.1272	.1216	.1173	.1139

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.99	.767	.426	6.26	.1574	.1527	.1491	.1462	.1612	.1566	.1529	.1501
.340	4.59	.957	.504	7.26	.1324	.1272	.1232	.1200	.1368	.1317	.1276	.1244
.380	3.30	.982	.614	7.79	.1214	.1163	.1121	.1087	.1265	.1211	.1169	.1135
.420	1.96	.992	.176	8.08	.1105	.1045	.0998	.0961	.1154	.1094	.1047	.1010
.460	-.02	1.000	0.000	7.45	.1116	.1058	.1014	.0978	.1161	.1104	.1059	.1024

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.55	.819	.406	7.37	.1332	.1279	.1238	.1205	.1378	.1324	.1283	.1250
.340	3.83	.948	.443	8.39	.1217	.1158	.1112	.1075	.1268	.1209	.1163	.1126
.380	2.78	.980	.356	8.87	.1108	.1045	.0996	.0957	.1162	.1099	.1050	.1011
.420	1.50	.990	.011	8.51	.0988	.0924	.0874	.0834	.1040	.0976	.0926	.0886
.460	-.27	.998	.108	7.59	.1046	.0990	.0946	.0912	.1093	.1037	.0993	.0958

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.50	.859	.357	8.46	.1224	.1164	.1117	.1080	.1276	.1216	.1169	.1131
.340	3.32	.948	.243	9.48	.1121	.1054	.1001	.0959	.1179	.1112	.1059	.1017
.380	2.27	.981	.094	9.43	.0997	.0929	.0875	.0832	.1055	.0986	.0933	.0890
.420	1.06	.985	0.000	8.61	.0889	.0824	.0774	.0734	.0941	.0877	.0826	.0787

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.04	.863	.179	9.43	.1107	.1039	.0986	.0943	.1165	.1097	.1043	.1001
.340	2.89	.960	.005	10.33	.1009	.0933	.0874	.0827	.1072	.0996	.0937	.0890
.380	1.83	.980	0.000	9.69	.0871	.0800	.0745	.0701	.0931	.0860	.0804	.0760
.420	.65	.983	.011	8.59	.0781	.0718	.0669	.0630	.0833	.0771	.0722	.0683

RESISTANCE DATA SERIES 65-B MODEL 5146

LP/90X = 3.32

DEADRISE ANGLE = 22.5 DEG

FNW = 2.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.00	.970	.728	6.42	.1743	.1685	.1539	.1603	.1794	.1736	.1690	.1654
.420	2.53	.996	.946	6.67	.1596	.1537	.1491	.1454	.1649	.1590	.1544	.1507

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.76	.850	.496	5.71	.1725	.1671	.1630	.1597	.1770	.1717	.1575	.1642
.380	4.50	.976	.571	6.72	.1477	.1416	.1360	.1331	.1531	.1470	.1422	.1384
.420	2.47	.995	.487	7.32	.1392	.1325	.1272	.1230	.1450	.1383	.1331	.1289

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.50	.693	.371	5.70	.1761	.1706	.1664	.1630	.1807	.1752	.1709	.1675
.340	5.24	.894	.455	6.89	.1472	.1410	.1360	.1321	.1528	.1465	.1415	.1376
.380	3.57	.978	.593	7.76	.1343	.1274	.1220	.1177	.1405	.1336	.1282	.1239
.420	2.01	.992	.183	8.12	.1235	.1159	.1099	.1052	.1300	.1224	.1164	.1117
.460	-.41	1.000	.268	7.51	.1347	.1277	.1223	.1180	.1407	.1337	.1283	.1240

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.00	.748	.365	6.98	.1456	.1390	.1339	.1299	.1511	.1446	.1395	.1354
.340	4.13	.926	.419	8.16	.1342	.1268	.1211	.1165	.1407	.1334	.1276	.1231
.380	3.00	.972	.384	9.07	.1253	.1172	.1108	.1057	.1326	.1244	.1191	.1130
.420	1.50	.989	.051	9.50	.1113	.1032	.0969	.0919	.1181	.1100	.1037	.0987
.460	-.44	.993	.204	7.97	.1277	.1204	.1147	.1101	.1341	.1263	.1210	.1165

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.95	.796	.349	7.98	.1335	.1262	.1205	.1160	.1399	.1326	.1269	.1224
.340	3.57	.926	.269	9.47	.1274	.1188	.1121	.1068	.1350	.1264	.1197	.1143
.380	2.52	.976	.143	9.78	.1170	.1080	.1010	.0954	.1248	.1159	.1088	.1032
.420	1.13	.995	.021	8.58	.1034	.0954	.0891	.0841	.1103	.1022	.0959	.0909

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.24	.819	.265	9.21	.1256	.1172	.1106	.1054	.1329	.1245	.1180	.1129
.340	3.14	.942	.040	10.56	.1225	.1127	.1050	.0989	.1300	.1211	.1134	.1073
.380	2.03	.979	.000	9.05	.1078	.0985	.0912	.0855	.1157	.1065	.0992	.0934
.420	.79	.999	.014	8.63	.0994	.0975	.0812	.0762	.1023	.0944	.0881	.0831

RESISTANCE DATA SERIES 65-B MODEL 5195

LP/APPY = 3.32

DEADRISE ANGLE = 22.5 DEG

FND = 2.53

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.420	6.26	.949	.503	4.80	.2023	.1956	.1934	.1862	.2083	.2016	.1964	.1922
.460	3.63	1.000	.869	7.02	.2159	.2066	.1993	.1935	.2247	.2154	.2081	.2023
.500	1.88	1.000	1.000	7.33	.2437	.2342	.2267	.2207	.2529	.2434	.2359	.2299

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	7.30	.695	.374	4.66	.1859	.1791	.1738	.1695	.1917	.1849	.1796	.1753
.380	6.00	.849	.454	5.69	.1799	.1720	.1657	.1607	.1870	.1791	.1729	.1678
.420	4.50	.950	.497	6.58	.1732	.1642	.1572	.1515	.1814	.1725	.1654	.1598
.460	0.00	1.000	.867	7.09	.2208	.2103	.2021	.1955	.2309	.2204	.2122	.2056

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.17	.612	.289	4.74	.1784	.1713	.1658	.1615	.1843	.1772	.1717	.1674
.340	6.00	.746	.353	5.69	.1697	.1616	.1553	.1502	.1768	.1687	.1624	.1573
.380	4.71	.898	.416	6.77	.1609	.1515	.1442	.1384	.1692	.1599	.1527	.1469
.420	3.42	.976	.538	7.56	.1609	.1508	.1429	.1366	.1703	.1603	.1524	.1461

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.19	.641	.268	5.73	.1674	.1590	.1525	.1473	.1745	.1662	.1597	.1545
.340	5.01	.796	.344	6.81	.1575	.1491	.1407	.1348	.1660	.1566	.1492	.1433
.380	3.92	.917	.380	7.88	.1543	.1437	.1354	.1287	.1642	.1536	.1452	.1385
.420	2.64	.997	.266	8.97	.1560	.1439	.1343	.1267	.1672	.1551	.1455	.1379
.460	-0.39	1.000	.045	9.13	.1758	.1629	.1529	.1448	.1872	.1744	.1643	.1562

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.48	.667	.260	6.65	.1691	.1506	.1432	.1373	.1684	.1589	.1515	.1456
.340	4.32	.821	.289	7.85	.1523	.1416	.1331	.1264	.1621	.1514	.1429	.1362
.380	3.29	.939	.188	9.49	.1539	.1408	.1307	.1225	.1656	.1527	.1425	.1344
.420	2.01	.998	.073	10.09	.1517	.1378	.1268	.1181	.1643	.1504	.1394	.1307

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.89	.686	.234	7.41	.1535	.1431	.1349	.1284	.1627	.1523	.1442	.1377
.340	3.83	.839	.132	9.44	.1531	.1400	.1298	.1216	.1649	.1519	.1415	.1334
.380	2.82	.958	0.000	11.17	.1543	.1387	.1265	.1168	.1683	.1527	.1405	.1307
.420	1.50	.985	.007	10.56	.1486	.1340	.1226	.1135	.1619	.1472	.1358	.1266

RESISTANCE DATA SERIES 65-B MODEL 5106

LP/MPX = 3.32

DEADRISE ANGLE = 22.5 DEG

FNC = 3.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5					LP (FT) = 11.2 24.2 52.2 112.5				11.2 24.2 52.2 112.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.95	.489	.277	3.32	.1717	.1643	.1585	.1540	.1777	.1703	.1645	.1599
.340	6.68	.725	.388	3.55	.1754	.1681	.1625	.1579	.1817	.1745	.1688	.1643
.380	6.10	.787	.444	4.25	.1810	.1724	.1657	.1604	.1886	.1801	.1734	.1681
.420	5.07	.847	.574	5.84	.1975	.1862	.1773	.1701	.2080	.1967	.1878	.1806

LP/V(1/3) = 5.0					LP (FT) = 12.5 26.9 58.0 125.0				12.5 26.9 58.0 125.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.36	.572	.256	3.50	.1497	.1422	.1363	.1317	.1960	.1885	.1826	.1780
.340	6.57	.671	.320	3.93	.1859	.1778	.1715	.1664	.1930	.1849	.1785	.1735
.380	5.89	.771	.356	4.61	.1860	.1768	.1696	.1638	.1943	.1851	.1779	.1721
.420	5.24	.867	.392	5.45	.1908	.1802	.1710	.1652	.2006	.1900	.1816	.1750
.460	4.50	.960	.458	6.52	.2036	.1912	.1814	.1736	.2153	.2029	.1932	.1854
.500	3.94	.996	.568	7.39	.2217	.2079	.1971	.1884	.2350	.2212	.2104	.2017

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.56	.549	.228	4.17	.1884	.1797	.1728	.1674	.1959	.1872	.1803	.1749
.340	5.82	.694	.270	4.98	.1876	.1775	.1696	.1633	.1965	.1864	.1785	.1722
.380	5.13	.800	.314	5.87	.1868	.1753	.1663	.1590	.1974	.1859	.1768	.1696
.420	4.50	.892	.365	6.71	.1892	.1763	.1652	.1582	.2013	.1884	.1783	.1702
.460	4.01	.950	.426	7.27	.1958	.1822	.1715	.1629	.2089	.1953	.1845	.1759
.500	3.24	1.000	.525	8.10	.2139	.1991	.1874	.1788	.2285	.2137	.2020	.1926

LP/V(1/3) = 6.0					LP (FT) = 15.0 32.3 69.6 150.0				15.0 32.3 69.6 150.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.77	.617	.203	5.14	.1761	.1655	.1572	.1506	.1854	.1748	.1665	.1599
.340	5.06	.724	.252	6.13	.1769	.1648	.1552	.1476	.1880	.1758	.1662	.1586
.380	4.44	.828	.304	7.01	.1799	.1665	.1559	.1474	.1926	.1791	.1685	.1600
.420	3.91	.897	.367	7.59	.1851	.1708	.1596	.1506	.1987	.1845	.1733	.1643
.460	3.24	.977	.419	8.31	.1955	.1802	.1682	.1586	.2104	.1952	.1831	.1739
.500	2.30	1.000	.379	9.47	.2202	.2029	.1892	.1783	.2372	.2199	.2062	.1953

LP/V(1/3) = 6.5					LP (FT) = 16.2 35.0 75.4 162.5				16.2 35.0 75.4 162.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.11	.637	.182	6.17	.1644	.1519	.1421	.1343	.1755	.1630	.1532	.1454
.340	4.50	.732	.227	7.10	.1743	.1604	.1495	.1408	.1871	.1732	.1623	.1536
.380	3.88	.838	.323	7.97	.1828	.1678	.1560	.1466	.1971	.1822	.1704	.1609
.420	3.24	.935	.385	8.85	.1919	.1758	.1638	.1528	.2079	.1917	.1789	.1687

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.64	.641	.148	7.06	.1704	.1562	.1451	.1362	.1821	.1689	.1578	.1489
.340	4.01	.761	.255	8.19	.1845	.1689	.1567	.1469	.1992	.1836	.1714	.1616
.380	3.39	.879	.358	9.31	.1941	.1772	.1638	.1530	.2109	.1939	.1805	.1698
.420	4.17	.756	.317	8.03	.1827	.1677	.1558	.1463	.1972	.1821	.1702	.1607
.460	4.25	.734	.284	7.85	.1809	.1660	.1543	.1449	.1950	.1801	.1684	.1590

RESISTANCE DATA SERIES 65-9 MODEL 5196

LP/RPX = 3.32

DEADRISF ANGLE = 22.5 DEG

FNW = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.45	.614	.190	5.18	.1556	.1415	.1304	.1216	.1603	.1542	.1431	.1343
.340	3.97	.691	.234	5.69	.1601	.1450	.1332	.1238	.1740	.1590	.1472	.1377
.380	3.52	.760	.282	6.22	.1682	.1522	.1396	.1295	.1834	.1674	.1548	.1447
.420	3.00	.824	.341	6.89	.1832	.1659	.1522	.1413	.2001	.1828	.1691	.1582
.460	5.22	.797	.114	5.16	.1881	.1725	.1604	.1500	.2008	.1852	.1730	.1634

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.72	.607	.133	5.78	.1881	.1723	.1600	.1501	.2022	.1865	.1741	.1643
.340	4.24	.697	.187	6.50	.1949	.1779	.1645	.1538	.2108	.1938	.1804	.1697
.380	3.84	.784	.246	7.14	.2024	.1847	.1705	.1590	.2203	.2022	.1879	.1765
.420	3.47	.862	.302	7.80	.2122	.1929	.1777	.1655	.2313	.2120	.1968	.1846
.460	3.07	.934	.356	8.56	.2245	.2038	.1874	.1743	.2454	.2247	.2084	.1952
.500	3.55	.874	.326	7.54	.2068	.1883	.1737	.1620	.2253	.2068	.1922	.1804

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.50	.681	.097	6.33	.1983	.1811	.1677	.1569	.2134	.1966	.1832	.1724
.340	4.02	.711	.206	7.37	.2165	.1977	.1828	.1709	.2346	.2157	.2009	.1890
.380	3.61	.808	.302	8.35	.2315	.2110	.1948	.1818	.2519	.2314	.2152	.2022
.420	3.20	.896	.380	9.34	.2446	.2223	.2047	.1905	.2675	.2452	.2276	.2134
.460	2.87	.945	.396	10.09	.2513	.2275	.2086	.1935	.2760	.2522	.2333	.2182
.500	2.47	.971	.340	10.90	.2537	.2278	.2073	.1909	.2804	.2545	.2348	.2196

RESISTANCE DATA

SERIES 65-B

MODEL 5100

LP/PPX = 3.32

DEADRISE ANGLE = 22.5 DEG

FNU = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.20	.591	.208	5.75	.1539	.1357	.1214	.1100	.1710	.1524	.1385	.1271
.340	2.77	.636	.279	6.39	.1642	.1431	.1265	.1132	.1847	.1636	.1469	.1336
.380	2.25	.661	.365	7.74	.1770	.1521	.1324	.1166	.2017	.1760	.1571	.1413
.420	1.69	.670	.453	9.09	.2013	.1726	.1499	.1317	.2304	.2017	.1790	.1607
.460	1.09	.669	.535	10.26	.2476	.2156	.1904	.1700	.2904	.2485	.2232	.2028
.500	.43	.665	.601	10.97	.3319	.2981	.2713	.2490	.3670	.3332	.3064	.2849

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.25	.592	.077	5.45	.2161	.1972	.1823	.1704	.2335	.2146	.1997	.1878
.340	3.85	.694	.161	6.67	.2361	.2141	.1960	.1829	.2575	.2355	.2181	.2042
.380	3.51	.776	.236	7.79	.2531	.2283	.2087	.1930	.2780	.2532	.2336	.2179
.420	3.23	.844	.303	8.82	.2678	.2405	.2188	.2014	.2968	.2687	.2471	.2297
.460	2.94	.899	.364	9.90	.2800	.2500	.2261	.2070	.3117	.2816	.2578	.2386
.500	2.59	.932	.421	11.28	.2848	.2511	.2243	.2027	.3209	.2871	.2603	.2388

RESISTANCE DATA SERIES 65-B MODEL 91A6
 LP/PM = 4.64 HEADRISE ANGLE = 22.5 DEG FNU = 1.00

WIGHT = LIFT (LW, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.4 LP (FT) = 13.7 24.6 1.4 137.5 13.7 24.6 63.4 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	5.95	.954	.614	4.48	.0000	.0071	.0000	.0050	.0001	.0006	.0071	.0063
.340	3.94	.981	.744	6.77	.0071	.0754	.0741	.0730	.0744	.0747	.0754	.0744
.380	1.76	.994	.821	8.67	.0640	.0621	.0600	.0594	.0641	.0634	.0622	.0611
.420	-1.16	1.000	1.000	9.94	.0542	.0525	.0512	.0501	.0554	.0549	.0526	.0519

LP/V(1/3) = 6.0 LP (FT) = 14.0 32.3 69.6 150.0 14.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	4.34	.945	.444	7.31	.0704	.0778	.0763	.0757	.0811	.0792	.0774	.0767
.340	2.75	.941	.405	7.22	.0434	.0420	.0406	.0400	.0453	.0424	.0420	.0409
.380	1.22	.921	.724	7.34	.0545	.0526	.0512	.0501	.0554	.0541	.0527	.0516

LP/V(1/3) = 6.5 LP (FT) = 14.2 75.0 75.4 162.5 14.2 75.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	3.40	.945	.442	7.64	.0674	.0656	.0641	.0629	.0690	.0671	.0656	.0644
.340	2.16	.943	.438	7.59	.0545	.0526	.0511	.0500	.0554	.0541	.0526	.0514
.380	.71	.908	.465	7.54	.0454	.0435	.0420	.0408	.0469	.0450	.0435	.0424

LP/V(1/3) = 7.0 LP (FT) = 17.5 27.7 81.2 175.0 17.5 27.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	3.00	.944	.334	8.31	.0577	.0555	.0539	.0526	.0593	.0572	.0556	.0543
.340	1.70	.979	.376	8.74	.0407	.0476	.0440	.0444	.0511	.0492	.0476	.0464
.380	.47	.984	.174	7.53	.0414	.0390	.0383	.0371	.0433	.0417	.0398	.0386

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	2.74	.949	.237	9.75	.0502	.0550	.0539	.0525	.0601	.0577	.0558	.0543
.340	1.50	.978	.111	8.01	.0401	.0460	.0442	.0424	.0511	.0474	.0460	.0446
.380	.29	.982	0.000	8.11	.0399	.0370	.0361	.0348	.0414	.0394	.0377	.0364

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	2.44	.946	.107	10.15	.0573	.0544	.0524	.0512	.0594	.0569	.0549	.0533
.340	1.20	.977	0.000	9.42	.0454	.0432	.0413	.0390	.0476	.0451	.0432	.0416
.380	.16	.982	0.000	8.72	.0394	.0375	.0357	.0343	.0416	.0393	.0375	.0361

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	2.11	.960	.081	10.49	.0564	.0512	.0490	.0474	.0561	.0537	.0511	.0494
.340	1.00	.978	0.000	9.95	.0434	.0414	.0392	.0376	.0459	.0432	.0412	.0396
.380	.04	.982	.012	9.22	.0410	.0386	.0367	.0353	.0424	.0404	.0384	.0371

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	1.78	.959	0.000	11.01	.0479	.0459	.0424	.0410	.0501	.0472	.0454	.0432
.340	.87	.943	0.000	10.40	.0424	.0397	.0376	.0359	.0445	.0418	.0397	.0380
.380	0.00	.980	.034	9.60	.0425	.0401	.0382	.0367	.0445	.0420	.0401	.0386

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	1.57	.962	0.000	11.27	.0435	.0407	.0384	.0366	.0454	.0429	.0407	.0389
.340	.47	.986	0.000	10.94	.0422	.0394	.0373	.0355	.0444	.0416	.0394	.0377
.380	0.00	.970	.026	10.03	.0453	.0424	.0405	.0389	.0470	.0444	.0425	.0409

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.4 25.0 53.0 116.0 249.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LW	(DEG)	LW	LW	V(2/3)								
.300	1.52	.959	0.000	11.46	.0406	.0350	.0335	.0317	.0409	.0380	.0354	.0340
.340	1.50	.953	0.000	11.47	.0346	.0357	.0334	.0317	.0409	.0380	.0357	.0340
.380	0.00	.977	0.000	10.40	.0466	.0440	.0423	.0404	.0467	.0441	.0421	.0405

RESISTANCE DATA					SERIES 65-B	MODEL 514		
LP/PH = 4.64					QPA/RISE ANGLE = 22.5 DEG		FNU = 1.25	
HEIGHT = LIFT (LP, SEANATEP) = 1000 10000 100000 1000000 1000 10000 100000 1000000								
LP/W11/31 = 5.5					LP (FT) = 13.7 29.6 67.8 137.5		17.7 29.6 67.8 137.5	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	7.24	.672	.595	6.20	.1695	.1631	.1612	.1590
.340	4.03	.971	.719	6.63	.1240	.1234	.1219	.1199
.380	3.00	.986	.887	7.09	.1809	.1803	.1767	.1746
.420	1.50	.997	.996	6.81	.0885	.0858	.0839	.0823
LP/W11/31 = 6.0					LP (FT) = 14.3 32.3 69.6 150.0		19.0 32.3 69.6 150.0	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	5.62	.986	.592	7.20	.1304	.1317	.1295	.1270
.340	3.81	.978	.640	7.44	.1044	.1016	.0995	.0977
.380	2.30	.944	.777	7.96	.0865	.0836	.0814	.0797
.420	.74	.994	.975	7.77	.0751	.0703	.0681	.0664
LP/W11/31 = 6.5					LP (FT) = 16.2 35.0 75.4 167.5		16.2 35.0 75.4 167.5	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	4.50	.960	.524	7.49	.1113	.1083	.1060	.1041
.340	3.32	.972	.699	7.99	.0945	.0915	.0891	.0873
.380	1.83	.982	.867	7.75	.0757	.0723	.0700	.0682
.420	.36	.992	.996	7.72	.0636	.0605	.0583	.0565
.460	-.30	1.000	.969	7.91	.0620	.0592	.0569	.0552
LP/W11/31 = 7.0					LP (FT) = 17.5 37.7 81.2 175.0		17.5 37.7 81.2 175.0	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	3.04	.931	.616	8.14	.0966	.0913	.0889	.0870
.340	2.70	.971	.800	8.27	.0776	.0745	.0721	.0702
.380	1.26	.979	.882	7.91	.0620	.0590	.0574	.0556
.420	.10	.988	.920	8.04	.0559	.0531	.0510	.0493
.460	-.37	1.000	0.000	8.30	.0566	.0519	.0498	.0482
LP/W11/31 = 7.5					LP (FT) = 18.7 40.4 87.8 187.5		18.7 40.4 87.8 187.5	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	3.53	.921	.313	8.80	.0859	.0826	.0800	.0779
.340	2.28	.970	.285	9.14	.0706	.0671	.0646	.0622
.380	1.03	.977	.865	8.67	.0571	.0540	.0514	.0496
.420	-.10	.991	0.000	7.76	.0542	.0511	.0487	.0469
LP/W11/31 = 8.0					LP (FT) = 20.9 43.1 92.8 200.0		20.9 43.1 92.8 200.0	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	3.15	.910	.294	9.46	.0819	.0780	.0750	.0727
.340	1.94	.975	.836	9.41	.0656	.0617	.0587	.0566
.380	.81	.976	0.000	9.10	.0514	.0483	.0459	.0432
.420	-.24	.996	.864	8.67	.0555	.0522	.0496	.0476
LP/W11/31 = 8.5					LP (FT) = 21.2 45.4 98.6 212.5		21.2 45.4 98.6 212.5	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	2.75	.932	.088	10.70	.0774	.0729	.0697	.0671
.340	1.65	.972	0.000	10.45	.0617	.0571	.0539	.0516
.380	.82	.974	0.000	9.67	.0521	.0483	.0454	.0430
.420	-.60	.999	.224	9.14	.0574	.0540	.0514	.0493
LP/W11/31 = 9.0					LP (FT) = 22.5 48.5 104.4 225.0		22.5 48.5 104.4 225.0	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	2.30	.929	0.000	11.20	.0782	.0659	.0625	.0590
.340	1.41	.974	0.000	10.90	.0574	.0537	.0504	.0477
.380	.60	.996	0.000	10.10	.0516	.0477	.0447	.0423
LP/W11/31 = 9.5					LP (FT) = 23.7 51.2 110.2 237.4		23.7 51.2 110.2 237.4	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	2.04	.932	0.000	11.52	.0832	.0687	.0653	.0626
.340	1.25	.976	0.000	11.20	.0562	.0519	.0485	.0458
.380	.61	.998	0.000	10.30	.0517	.0478	.0447	.0423
LP/W11/31 = 10.0					LP (FT) = 25.0 53.8 116.0 249.9		25.0 53.8 116.0 249.9	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LP (DEG)	LP	LP	LP	V(273)				
.300	1.71	.945	0.000	11.76	.0860	.0726	.0690	.0662
.340	1.26	.976	.001	11.68	.0592	.0540	.0514	.0487
.380	.63	.996	.002	10.67	.0521	.0482	.0451	.0426

RESISTANCE DATA					SERIES 65-B		MODEL 9104	
LP/DPY = 4.64					HEARPOISE ANGLE = 22.5 DEG		FNU = 1.90	
WEIGHT = LIFT (LN, SEANATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000								
LP/W(1/3) = 5.4					LP (FT) = 13.7 29.6 67.0 137.5		13.7 29.6 67.0 137.5	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	7.50	.009	.574	6.02	.1737	.1706	.1676	.1650
.340	4.16	.006	.666	6.42	.1306	.1290	.1264	.1263
.380	3.42	.009	.080	7.05	.1132	.1109	.1087	.1066
.420	1.05	.003	.073	8.00	.0999	.0980	.0957	.0916
.460	.26	1.000	1.000	6.64	.0935	.0901	.0875	.0856
LP/W(1/3) = 6.0								
LP (FT) = 14.0 32.3 69.6 139.0					14.0 32.3 69.6 139.0		14.0 32.3 69.6 139.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	6.00	.004	.591	6.01	.1400	.1350	.1300	.1250
.340	4.16	.006	.676	7.05	.1142	.1103	.1063	.1023
.380	2.77	.008	.767	7.40	.0996	.0956	.0920	.0884
.420	1.31	.002	.511	7.77	.0877	.0837	.0799	.0766
.460	7.00	1.000	1.000	7.05	.0831	.0793	.0762	.0730
LP/W(1/3) = 6.5								
LP (FT) = 16.2 35.0 75.4 162.5					16.2 35.0 75.4 162.5		16.2 35.0 75.4 162.5	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	6.07	.004	.513	7.71	.1202	.1141	.1080	.1019
.340	4.16	.006	.651	8.17	.1064	.1022	.0980	.0942
.380	2.25	.008	.576	9.10	.0937	.0895	.0853	.0817
.420	.46	.005	.629	7.06	.0796	.0755	.0721	.0689
.460	.15	.009	.771	8.10	.0751	.0711	.0675	.0654
LP/W(1/3) = 7.0								
LP (FT) = 17.5 37.7 81.2 175.0					17.5 37.7 81.2 175.0		17.5 37.7 81.2 175.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	4.16	.003	.667	8.04	.1147	.1082	.1019	.0956
.340	2.07	.006	.663	8.71	.0962	.0907	.0842	.0778
.380	1.05	.008	.372	9.26	.0806	.0763	.0719	.0675
.420	.69	.001	.169	7.20	.0723	.0684	.0643	.0602
.460	.10	1.000	0.000	6.42	.0690	.0653	.0615	.0577
LP/W(1/3) = 7.5								
LP (FT) = 19.7 40.4 87.0 187.5					19.7 40.4 87.0 187.5		19.7 40.4 87.0 187.5	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	3.05	.008	.374	8.60	.1094	.1014	.0939	.0861
.340	2.69	.009	.296	9.42	.0947	.0870	.0800	.0730
.380	1.52	.008	.119	7.76	.0761	.0696	.0637	.0578
.420	.45	.009	0.000	7.71	.0676	.0613	.0550	.0487
LP/W(1/3) = 8.0								
LP (FT) = 20.0 43.1 92.0 200.0					20.0 43.1 92.0 200.0		20.0 43.1 92.0 200.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	3.51	.008	.274	9.36	.1044	.0965	.0887	.0807
.340	2.36	.007	.121	10.10	.0931	.0874	.0817	.0760
.380	1.37	.007	0.000	9.64	.0804	.0767	.0730	.0693
.420	.26	.009	0.000	9.41	.0693	.0662	.0631	.0600
LP/W(1/3) = 8.5								
LP (FT) = 21.5 45.0 96.6 212.5					21.2 47.0 96.6 212.5		21.2 47.0 96.6 212.5	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	3.15	.001	.168	10.32	.0943	.0889	.0837	.0783
.340	2.09	.001	0.000	10.07	.0795	.0750	.0703	.0656
.380	1.14	.004	0.000	10.07	.0664	.0629	.0593	.0557
.420	0.00	.002	.051	8.46	.0636	.0607	.0578	.0549
LP/W(1/3) = 9.0								
LP (FT) = 22.5 46.4 104.4 225.0					22.5 48.5 104.4 225.0		22.5 48.5 104.4 225.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	2.40	.004	.057	10.96	.0891	.0833	.0774	.0715
.340	1.04	.007	0.000	11.19	.0751	.0691	.0634	.0577
.380	.96	.001	0.000	10.62	.0644	.0597	.0550	.0503
.420	.15	.008	.111	9.06	.0599	.0553	.0506	.0460
LP/W(1/3) = 9.5								
LP (FT) = 23.7 51.7 110.2 237.4					23.7 51.2 110.2 237.4		23.7 51.2 110.2 237.4	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	2.50	.002	0.000	11.32	.0837	.0777	.0718	.0659
.340	1.62	.009	0.000	11.60	.0732	.0670	.0607	.0546
.380	.74	.004	0.000	10.99	.0634	.0576	.0513	.0450
.420	.10	.003	.119	7.91	.0514	.0473	.0432	.0391
LP/W(1/3) = 10.0								
LP (FT) = 24.0 52.0 116.0 240.0					25.0 53.4 116.0 240.0		25.0 53.4 116.0 240.0	
LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0		RESISTANCE/LIFT FOR DCF=0.0004	
LB	(DEG)	LB	LB	W(1/3)				
.300	2.21	.006	0.000	11.65	.0796	.0735	.0677	.0619
.340	1.43	.006	0.000	12.12	.0721	.0661	.0602	.0543
.380	.63	.005	.003	11.05	.0622	.0565	.0508	.0450

RESISTANCE DATA SERIES 65-B MODEL 5106

LP/PM = 4.00 DEGREE ANGLE = 22.0 DEG FNU = 1.75

WEIGHT = LIFT (LD, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.0 LP (FT) = 13.7 29.6 63.0 107.5 13.7 29.6 63.0 107.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	7.96	.727	.513	5.62	.1801	.1799	.1727	.1702	.1835	.1796	.1762	.1726
.340	5.26	.937	.596	6.36	.1466	.1422	.1307	.1290	.1505	.1461	.1426	.1390
.380	3.59	.974	.739	6.73	.1229	.1103	.1167	.1110	.1270	.1226	.1184	.1150
.420	2.07	.900	.941	6.76	.1115	.1070	.1035	.1007	.1157	.1112	.1076	.1040
.460	.93	1.000	1.000	6.61	.1002	.1035	.1005	.0977	.1123	.1079	.1045	.1017

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	8.29	.742	.506	6.44	.1959	.1913	.1477	.1449	.1999	.1953	.1917	.1880
.340	6.27	.956	.580	7.33	.1273	.1223	.1103	.1192	.1310	.1267	.1220	.1196
.380	3.80	.976	.690	7.39	.1097	.1047	.1000	.0976	.1142	.1092	.1053	.1022
.420	1.50	.950	.942	7.66	.0996	.0946	.0906	.0875	.1043	.0993	.0953	.0922
.460	.36	1.000	.966	7.65	.0972	.0922	.0883	.0851	.1019	.0969	.0929	.0890

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	5.01	.840	.675	7.36	.1351	.1300	.1259	.1227	.1396	.1346	.1304	.1272
.340	3.54	.951	.941	6.17	.1127	.1071	.1020	.0993	.1177	.1121	.1074	.1033
.380	2.37	.979	.660	6.37	.0906	.0931	.0887	.0852	.1030	.0982	.0930	.0903
.420	1.31	.962	.720	6.10	.0831	.0870	.0836	.0802	.0981	.0927	.0885	.0852
.460	.21	.961	.607	7.76	.0897	.0845	.0804	.0772	.0944	.0892	.0852	.0819

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	6.10	.857	.639	7.96	.1196	.1147	.1100	.1066	.1246	.1196	.1148	.1114
.340	3.80	.960	.646	9.27	.1003	.0941	.0892	.0853	.1000	.0950	.0909	.0870
.380	2.03	.978	.636	6.72	.0823	.0864	.0817	.0780	.0976	.0917	.0871	.0836
.420	1.03	.970	.769	7.61	.0876	.0821	.0779	.0746	.0920	.0867	.0826	.0793
.460	-.10	.963	0.000	6.70	.0820	.0779	.0740	.0710	.0869	.0820	.0781	.0751

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 97.0 187.5 18.7 40.4 97.0 187.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	3.71	.870	.607	8.00	.1115	.1055	.1007	.0969	.1170	.1109	.1062	.1026
.340	2.73	.963	.363	9.71	.0976	.0909	.0857	.0816	.1034	.0966	.0916	.0875
.380	1.75	.979	.170	9.05	.0805	.0822	.0779	.0735	.0941	.0870	.0820	.0779
.420	-.74	.977	0.000	7.77	.0826	.0770	.0726	.0691	.0876	.0817	.0773	.0730
.460	-.29	1.000	0.000	6.32	.0705	.0739	.0704	.0675	.0824	.0770	.0742	.0714

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	3.42	.875	.326	9.79	.1065	.1003	.0952	.0911	.1127	.1062	.1010	.0969
.340	2.44	.959	.106	10.15	.0939	.0869	.0816	.0771	.1041	.0971	.0920	.0873
.380	1.53	.977	0.000	9.56	.0866	.0779	.0726	.0682	.0945	.0876	.0823	.0780
.420	-.53	.979	0.000	6.19	.0707	.0727	.0681	.0644	.0837	.0777	.0731	.0694

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	3.13	.879	.216	10.20	.1023	.0953	.0890	.0855	.1086	.1016	.0961	.0917
.340	2.10	.952	.065	10.66	.0903	.0820	.0770	.0723	.0960	.0893	.0835	.0788
.380	1.25	.978	0.000	10.16	.0817	.0740	.0683	.0638	.0875	.0802	.0746	.0700
.420	-.35	.962	0.000	6.64	.0750	.0696	.0649	.0611	.0811	.0749	.0702	.0663

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	2.05	.875	.045	10.69	.0977	.0903	.0845	.0799	.1043	.0969	.0910	.0864
.340	1.95	.960	0.000	11.71	.0873	.0795	.0733	.0684	.0942	.0863	.0801	.0752
.380	1.11	.942	0.000	10.76	.0792	.0716	.0656	.0609	.0859	.0782	.0722	.0675
.420	.20	.966	.014	9.91	.0720	.0666	.0610	.0560	.0772	.0721	.0673	.0634

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	2.61	.869	.016	11.00	.0940	.0862	.0801	.0753	.1007	.0930	.0869	.0820
.340	1.76	.949	0.000	11.77	.0859	.0777	.0713	.0662	.0931	.0849	.0785	.0734
.380	.46	.980	0.000	11.29	.0782	.0704	.0643	.0595	.0851	.0773	.0712	.0664
.420	0.00	.979	.049	9.44	.0670	.0613	.0560	.0512	.0722	.0665	.0620	.0584

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG	TRIM	LC	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	W(22/3)								
.300	2.39	.867	0.000	11.43	.0900	.0820	.0766	.0716	.0970	.0896	.0836	.0786
.340	1.59	.956	0.000	12.31	.0857	.0773	.0700	.0655	.0933	.0849	.0783	.0730
.380	.83	.966	.009	11.01	.0776	.0695	.0636	.0585	.0845	.0767	.0705	.0656
.420	-.05	.975	0.000	7.04	.0695	.0631	.0570	.0526	.0635	.0579	.0530	.0496

RESISTANCE DATA SERIES 69-B MODEL 5184

LO/BOY = 4.69 NEARWISE ANGLE = 22.5 DEG FNU = 2.00

WEIGHT * LIFT (LW, SEAWATER) = 1000 10000 100000 1000000 1200 12000 120000 1200000

$$LD/V(1/3) = 5.9 \quad LD(FT) = 11.7 \quad 29.7 \quad 61.0 \quad 117.5 \quad 11.7 \quad 29.7 \quad 61.0 \quad 117.5$$

LCG	FORM	LK	LC	$\frac{S}{\sqrt{f(1-f)}}$	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
10	0.92	10	10									
.740	0.752	.802	.844	0.73	.1590	.1591	.1607	.1612	.1637	.1641	.1657	.1682
.740	0.752	.802	.844	0.73	.1590	.1593	.1620	.1642	.1674	.1678	.1706	.1744
.820	0.77	.846	.930	0.83	.1737	.1741	.1776	.1800	.1846	.1849	.1890	.1934
.840	0.77	1.000	1.000	0.76	.1765	.1768	.1830	.1854	.1906	.1909	.1974	.2014

LP/ST(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 32.0 72.7 69.6 150.0

LOG	TIME	LC	LC	S	RESISTANCE/PLIST FOR DCF=0				RESISTANCE/PLIST FOR DCF=0.0004			
TV	(TFC)	LB	UB	(12/23)								
.307	6.84	.776	.676	6.05	.1656	.1681	.1557	.1472	.1705	.1644	.1406	.1571
.360	6.35	.957	.565	7.22	.1366	.1303	.1253	.1213	.1626	.1561	.1311	.1771
.380	3.88	.976	.667	7.33	.1204	.1161	.1091	.1051	.1282	.1199	.1150	.1210
.420	1.72	.986	.649	7.55	.1141	.1077	.1027	.9967	.1201	.1126	.1094	.1044
.460	.98	.986	.619	7.36	.1129	.1067	.1019	.9880	.1188	.1126	.1077	.1027

(D/V(1/3)) = 6.5 LP (FY) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG	TRIM	LN	LC	S	RESISTANCE/LTP FOR DCF=0				RESISTANCE/LTP FOR DCF=0.0004			
LP	(DFG)	LN	LC	1/212/1								
.300	5.25	.744	.660	0.91	.1451	.1309	.1300	.1302	.1576	.1446	.1476	.1357
.344	3.50	.976	.874	0.64	.1212	.1163	.1000	.1044	.1277	.1207	.1152	.1104
.380	2.42	.976	.866	0.66	.1112	.1080	.0860	.0934	.1179	.1104	.1052	.1007
.423	1.50	.941	.846	0.61	.1077	.1052	.0847	.0903	.1147	.1064	.1016	.0970
.463	.60	.944	.87	.76	.1057	.0993	.0967	.0902	.1146	.1061	.1014	.0949

LP/V(1/3) = 7.0 LP (FT) = 17.5 17.7 81.2 125.0 17.5 17.7 81.2 125.0

LOG	TIME	LR	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
CP	(SEC)	(LB)	(LB)	(FT/223)								
.300	4.09	.019	.970	7.60	.1206	.1219	.1166	.1124	.1347	.1290	.1227	.1185
.340	3.04	.050	.900	9.21	.1107	.1023	.0961	.0912	.1175	.1047	.1175	.0905
.340	2.17	.070	.865	9.92	.1049	.0728	.0700	.0654	.1123	.1044	.0982	.0874
.400	1.20	.070	.844	10.67	.1031	.0637	.0609	.0552	.1100	.1076	.0964	.0922
.400	.27	.095	.150	7.63	.1001	.0836	.0805	.0844	.1024	.0994	.0963	.0961

LP/V(1/3) = 7.4 LP (FT) = 10.7 69.6 47.8 107.5 10.7 69.6 47.8 107.5

LOG LB	FORM LB (75%)	LC LB	LC LB	S V(75%)	RESISTANCE/ALTY FOR DCF=0				RESISTANCE/ALTY FOR DCF=0.0004			
.300	3.63	.862	.926	9.03	.1171	.1093	.1032	.0993	.1247	.1165	.1104	.1055
.340	2.77	.956	.981	9.34	.1076	.0990	.0924	.0871	.1152	.1069	.1002	.0950
.380	1.87	.976	.971	9.34	.1016	.0935	.0871	.0810	.1101	.1019	.0945	.0894
.420	.94	.977	.950	9.32	.0975	.0890	.0841	.0794	.1042	.0966	.0907	.0860
.460	.00	.988	0.870	7.65	.0925	.0860	.0809	.0769	.0991	.0916	.0866	.0825

LD/V(1/3) = 0.0 LD (FY) = 20.1 63.1 92.8 200.0 30.0 63.1 91.8 200.0

LOG	TIME	LC	LC	S	RESISTANCE/LTPY FOR DCF=0				RESISTANCE/LTPY FOR DCF=0.0004			
LC	(SEC)	LB	LB	10000								
330	3.31	.872	.360	9.74	.1137	.1053	.0907	.0936	.1215	.1131	.1745	.1011
340	2.67	.969	.223	10.11	.1049	.0961	.0892	.0837	.1159	.1042	.1703	.0910
350	1.95	.975	0.070	9.50	.0970	.0902	.0825	.0771	.1078	.0960	.1601	.0817
423	.77	.993	0.000	0.37	.0925	.0900	.0767	.0739	.0993	.0915	.1554	.0806
460	.12	.997	.000	0.96	.0946	.0926	.0776	.0737	.0961	.0908	.1631	.0793

LP/V(1/3) = 2.5 LP (FT) = 21.2 45.8 88.6 212.5 21.2 45.8 88.6 212.5

LCG	TOIN	LC	LC	9	RESISTANCE/LIFT FOR OFF=0				RESISTANCE/LIFT FOR OFF=0.0004			
(IN)	(IN)	(IN)	(IN)	(IN)								
+00	3.09	.006	.771	10.10	.1104	.1020	.0951	.0896	.1100	.1102	.1073	.0974
+10	2.21	.043	.067	10.51	.1015	.0927	.0849	.0791	.1029	.1036	.1031	.0876
+20	1.35	.077	0.000	10.82	.0946	.0846	.0782	.0725	.1006	.1034	.0963	.0805
+30	.52	.095	0.000	11.67	.0899	.0814	.0757	.0700	.0968	.1009	.1027	.0777
+40	.19	.074	.085	6.35	.0845	.0812	.1769	.0735	.0947	.0963	.0920	.0766

$LP/V(1/3) = 9.0$
 $LP(FV) = 22.5$
 48.5
 126.6
 228.0
 22.5
 48.5
 126.6
 228.0

LOG	TIME	LY	LC	c	RESISTANCE/LIFT FOR $\rho=0$				RESISTANCE/LIFT FOR $\rho=0.0004$			
	(19%)	(1)	(1)	(22%)								
100	2.84	.961	.117	10.46	.1060	.0997	.0905	.0877	.1134	.1042	.0969	.0911
143	1.97	.981	.0100	11.24	.0672	.0873	.3795	.0733	.1241	.0982	.0986	.0822
182	1.16	.983	.0306	10.78	.0918	.0821	.3766	.0865	.1376	.0907	.1042	.0771
220	.77	.990	.0208	8.06	.0874	.0794	.3712	.0887	.0945	.0865	.0906	.0794
263	.44	.994	.0284	4.17	.0879	.0777	.3763	.0815	.0962	.0919	.0726	.0787

LP/V(1/3) = 0.5 LP (FY) = 23.7 51.2 110.2 232.6 23.7 51.2 110.2 232.6

LIFT	TOTAL (LIFT)	LIFT		C	DISTANCE/LIFT FOR CFF=0				DISTANCE/LIFT FOR CFF=0.0004			
		L ₁	L ₂		L ₁	L ₂	L ₁	L ₂	L ₁	L ₂		
1.35A	2.60	.483	.434	11.27	.1071	.0826	.7867	.0706	.1109	.1012	.9935	.9874
1.36A	1.78	.484	0.000	11.74	.0864	.0869	.0778	.0713	.1551	.0954	.0877	.9887
1.37A	1.61	.491	0.000	11.36	.0820	.0820	.0760	.0694	.1811	.0911	.0871	.9878
1.42B	.79	.908	.007	9.27	.0864	.0784	.0725	.0676	.0842	.0867	.9799	.9748
1.43A	.49	.915	.157	4.46	.0785	.0745	.3714	.0609	.0622	.0781	.9751	.9726

LP/V(1/3) = 17.0 LP (57) = 25.0 57.0 114.0 240.0 35.0 57.0 114.0 240.0

LC	YOUNG	LC	LC	S	PERSISTANCE/LEFT FOR OCF=9				PERSISTANCE/LEFT FOR OCF=0.8884			
	(17%)	L	L	(17.7%)								
0.00	2.76	.481	0.000	11.44	.9947	.0001	.8980	.0736	.1375	.0077	.9492	.0028
0.25	1.62	.466	0.000	12.40	.9942	.0046	.0760	.0642	.1741	.0967	.9499	.0791
0.50	.49	.499	.001	11.40	.9912	.0010	.0730	.0667	.1807	.0905	.9424	.0767
0.75	.22	.496	.007	0.36	.0033	.0793	.0690	.0630	.9908	.0024	.9765	.0714

RESISTANCE DATA SERIES 65-B MODEL 9106

LP/PM = 4.64 DEWETSE ANGLE = 22.5 DEG PM = 2.50

WEIGHT = LIFT (LB, SEAWATER) x 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/PM = 4.64 LP (FT) = 13.7 29.6 63.0 137.5 13.7 29.6 63.0 137.5

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	6.85	.720	7.18	.1696	.1696	.1696
.400	1.40	1.000	7.33	.1699	.1699	.1699

LP/PM = 6.7 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	6.00	.750	7.75	.1620	.1620	.1620
.400	1.42	1.000	7.74	.1607	.1607	.1607

LP/PM = 8.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	6.27	.631	8.31	.1730	.1730	.1730
.400	1.16	.850	8.46	.1726	.1726	.1726

LP/PM = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	5.10	.472	6.39	.1617	.1617	.1617
.400	1.41	.850	6.60	.1614	.1614	.1614

LP/PM = 7.4 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	4.31	.721	7.00	.1697	.1697	.1697
.400	1.19	.917	7.27	.1696	.1696	.1696

LP/PM = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	3.44	.775	8.14	.1616	.1616	.1616
.400	1.17	.904	8.24	.1616	.1616	.1616

LP/PM = 8.5 LP (FT) = 21.2 45.0 99.6 212.5 21.2 45.0 99.6 212.5

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	3.30	.792	8.05	.1602	.1602	.1602
.400	1.15	.905	8.20	.1602	.1602	.1602

LP/PM = 9.0 LP (FT) = 22.5 46.5 106.4 225.0 22.5 46.5 106.4 225.0

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	3.06	.747	8.68	.1561	.1561	.1561
.400	1.16	.905	8.81	.1574	.1574	.1574

LP/PM = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	2.86	.775	10.07	.1373	.1373	.1373
.400	1.05	.912	10.63	.1373	.1373	.1373

LP/PM = 10.0 LP (FT) = 25.0 55.0 116.0 250.0 25.0 55.0 116.0 250.0

LCG LP	TRIM (DEG)	LC LP	LC LP	S W(27/3)	RESISTANCE/LIFT FOR DCF=0	RESISTANCE/LIFT FOR DCF=0.0004
.300	2.62	.775	11.71	.1204	.1204	.1204
.400	1.01	.926	12.20	.1187	.1187	.1187

RESISTANCE DATA					SERIES 84-B				MODEL 5146					
LP/DPH = 4.69					DEADRISE ANGLE = 22.5 DEG					PMV = 3.80				
.....														
WEIGHT = LIFT (LB, SEAWATER) = 1000					10000	100000	1000000	10000000	1020	10400	106000	1080000		
.....														
LP/V(1/3) = 6.5					LP (FT) = 16.2				35.0	75.4	162.5	162.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	9.66	.978	.335	6.68	.1716	.1622	.1950	.1492	.1791	.1706	.1634	.1576		
.340	3.50	.784	.423	6.43	.1643	.1923	.1429	.1394	.759	.1639	.1565	.1469		
.300	2.82	.899	.907	7.85	.1623	.1492	.1378	.1200	.1764	.1623	.1511	.1422		
.420	0.00	.929	.932	8.90	.1940	.1821	.1727	.1651	.2045	.1947	.1933	.1777		
.....														
LP/V(1/3) = 7.0					LP (FT) = 17.4				37.7	81.2	179.0	179.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	5.50	.977	.319	9.48	.1433	.1720	.1645	.1476	.1930	.1825	.1742	.1676		
.340	3.95	.793	.372	7.07	.1751	.1621	.1510	.1435	.1879	.1740	.1649	.1563		
.300	3.00	.937	.423	8.52	.1744	.1612	.1492	.1395	.1917	.1765	.1645	.1548		
.420	1.05	.974	.933	9.35	.1738	.1568	.1448	.1337	.1899	.1737	.1628	.1505		
.460	.63	.989	.713	8.66	.1805	.1737	.1620	.1526	.2041	.1892	.1776	.1682		
.....														
LP/V(1/3) = 7.5					LP (FT) = 19.7				40.4	87.8	187.5	187.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	4.50	.634	.300	6.57	.1733	.1600	.1509	.1430	.1951	.1726	.1627	.1548		
.340	3.50	.809	.333	8.25	.1741	.1590	.1471	.1376	.1889	.1730	.1619	.1524		
.300	2.57	.923	.430	9.57	.1720	.1559	.1426	.1319	.1900	.1731	.1596	.1491		
.420	1.05	.966	.942	10.20	.1720	.1544	.1405	.1293	.1903	.1729	.1588	.1476		
.460	.57	.991	.619	9.34	.1856	.1693	.1564	.1460	.2025	.1861	.1732	.1620		
.....														
LP/V(1/3) = 8.0					LP (FT) = 20.0				43.1	92.8	200.0	200.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	4.16	.645	.260	7.63	.1761	.1617	.1503	.1412	.1995	.1754	.1649	.1559		
.340	3.17	.817	.320	9.29	.1793	.1606	.1454	.1340	.1920	.1753	.1621	.1515		
.300	2.43	.936	.414	10.55	.1749	.1566	.1419	.1301	.1938	.1754	.1619	.1491		
.420	1.50	.972	.900	11.40	.1760	.1565	.1410	.1286	.1965	.1770	.1615	.1494		
.460	0.00	.990	0.000	8.34	.1870	.1712	.1508	.1400	.2021	.1863	.1739	.1639		
.....														
LP/V(1/3) = 8.5					LP (FT) = 21.2				45.8	94.6	212.5	212.5		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	3.41	.667	.247	8.61	.1780	.1619	.1493	.1391	.1934	.1774	.1644	.1546		
.340	2.92	.811	.321	10.19	.1765	.1584	.1440	.1325	.1949	.1767	.1623	.1508		
.300	2.20	.907	.381	11.50	.1776	.1575	.1416	.1287	.1984	.1783	.1624	.1496		
.420	1.37	.979	.900	12.50	.1769	.1575	.1405	.1268	.2014	.1804	.1630	.1493		
.460	-.21	.993	0.000	7.68	.1754	.1613	.1490	.1407	.1895	.1750	.1635	.1544		
.....														
LP/V(1/3) = 9.0					LP (FT) = 22.5				48.5	104.4	225.0	225.0		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	3.49	.676	.263	9.53	.1757	.1583	.1445	.1335	.1979	.1784	.1614	.1506		
.340	2.72	.804	.301	11.22	.1749	.1590	.1433	.1267	.1950	.1752	.1604	.1469		
.300	1.99	.912	.296	12.70	.1744	.1523	.1348	.1207	.1972	.1751	.1576	.1436		
.420	1.11	.995	.220	13.03	.1732	.1506	.1327	.1183	.1966	.1740	.1561	.1417		
.460	-.07	.972	.051	9.00	.1704	.1546	.1410	.1315	.1870	.1708	.1549	.1477		
.....														
LP/V(1/3) = 9.5					LP (FT) = 23.7				51.2	110.2	237.4	237.4		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	3.27	.671	.252	10.35	.1801	.1613	.1464	.1345	.1947	.1799	.1611	.1531		
.340	2.55	.803	.229	12.10	.1795	.1540	.1410	.1274	.2011	.1780	.1620	.1491		
.300	1.79	.905	.140	13.25	.1750	.1525	.1340	.1192	.1990	.1764	.1579	.1430		
.420	-.94	1.000	.050	12.96	.1719	.1489	.1304	.1163	.1951	.1722	.1541	.1396		
.460	-.04	.968	.052	9.70	.1716	.1550	.1419	.1314	.1893	.1717	.1547	.1441		
.....														
LP/V(1/3) = 10.0					LP (FT) = 25.0				53.8	114.3	249.9	249.9		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
LP	(DEG)	LP	LP	V(1/3)										
.300	3.09	.660	.230	11.25	.1819	.1615	.1454	.1325	.2021	.1817	.1606	.1527		
.340	2.35	.811	.135	12.05	.1767	.1535	.1352	.1205	.2000	.1774	.1555	.1434		
.300	1.50	.959	0.000	11.56	.1674	.1435	.1244	.1090	.1921	.1679	.1448	.1336		
.420	.75	1.000	0.000	12.51	.1646	.1422	.1245	.1103	.1971	.1647	.1470	.1329		
.460	-.04	.964	.022	9.07	.1741	.1581	.1453	.1351	.1904	.1744	.1516	.1414		
.....														

RESISTANCE DATA SERIES 65-B MONFL 5144

LP/MPX = 4.64

HEADRISE ANGLE = 22.5 DEG

FW = 3.58

WEIGHT = LIFT (Lb, SEAWATER) = 1000 10000 100000 1000000 10000000 100000000 1000000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 41.2 175.0 17.5 37.7 41.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.07	.965	.250	5.03	.1940	.1804	.1704	.1622	.2063	.1931	.1824	.1745
.340	4.57	.958	.307	6.11	.2020	.1868	.1748	.1652	.2168	.2015	.1895	.1799
.380	3.89	.946	.349	7.65	.2072	.1895	.1730	.1619	.2260	.2073	.1925	.1806
.420	3.10	.931	.400	9.34	.2134	.1912	.1737	.1595	.2364	.2142	.1966	.1825
.460	2.17	1.000	.440	10.31	.2267	.2030	.1941	.1840	.2520	.2282	.2094	.1942
.500	1.08	.927	.672	8.61	.2591	.2395	.2239	.2114	.2801	.2605	.2450	.2325

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.75	.974	.237	5.75	.2065	.1916	.1799	.1705	.2206	.2057	.1940	.1846
.340	4.24	.973	.249	6.90	.2145	.1972	.1836	.1726	.2314	.2141	.2005	.1895
.380	3.69	.976	.300	8.74	.2230	.2028	.1968	.1739	.2434	.2232	.2172	.1943
.420	3.16	.921	.338	9.74	.2330	.2109	.1918	.1771	.2569	.2339	.2157	.2013
.460	2.39	.930	.398	10.86	.2454	.2204	.2006	.1847	.2720	.2470	.2272	.2113
.500	1.50	1.000	.517	10.65	.2513	.2273	.2182	.2027	.2874	.2634	.2442	.2288

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.01	.989	.200	6.72	.1933	.1767	.1627	.1518	.2004	.1925	.1791	.1683
.340	3.45	.976	.225	8.00	.2046	.1846	.1649	.1562	.2244	.2144	.1987	.1760
.380	2.94	.921	.252	9.17	.2141	.1921	.1746	.1606	.2366	.2145	.1971	.1830
.420	2.50	.878	.291	9.79	.2195	.1964	.1781	.1634	.2435	.2204	.2021	.1873
.460	1.58	.963	.355	10.39	.2337	.2097	.1907	.1754	.2591	.2352	.2162	.2009

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.55	.934	.175	7.62	.1930	.1738	.1587	.1465	.2117	.1925	.1773	.1652
.340	3.00	.937	.197	8.90	.2039	.1821	.1649	.1511	.2256	.2039	.1867	.1729
.380	2.43	.924	.241	9.95	.2091	.1854	.1666	.1516	.2374	.2099	.1911	.1759
.420	1.83	.903	.267	10.75	.2166	.1915	.1716	.1556	.2429	.2170	.1970	.1819
.460	1.10	.977	.262	11.15	.2341	.2083	.1879	.1714	.2614	.2356	.2152	.1987
.500	.17	1.000	.061	10.49	.2405	.2155	.2061	.2203	.2742	.2414	.2214	.2060

LP/V(1/3) = 9.0 LP (FT) = 22.5 49.5 104.4 225.0 22.5 49.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.39	.942	.172	8.56	.2045	.1832	.1664	.1529	.2255	.2042	.1874	.1739
.340	2.95	.922	.197	9.67	.2119	.1884	.1698	.1550	.2376	.2121	.1935	.1786
.380	2.75	.961	.209	10.24	.2150	.1905	.1710	.1554	.2401	.2155	.1961	.1805
.420	2.09	.873	.245	11.42	.2247	.1972	.1754	.1579	.2534	.2262	.2044	.1868
.460	.55	1.000	.046	11.96	.2454	.2173	.1950	.1770	.2747	.2465	.2242	.2063

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.17	.949	.174	9.74	.2117	.1887	.1705	.1559	.2347	.2115	.1934	.1784
.340	2.99	.972	.183	9.88	.2148	.1907	.1717	.1565	.2390	.2149	.1959	.1807
.380	2.83	.998	.192	10.50	.2191	.1929	.1729	.1564	.2474	.2184	.1986	.1825
.420	2.02	.876	.219	13.10	.2339	.2034	.1745	.1602	.2659	.2356	.2116	.1922
.460	0.00	.973	0.000	10.76	.2523	.2273	.2076	.1917	.2774	.2524	.2327	.2168

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.4 116.0 249.9 25.0 57.4 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.00	.933	.183	10.24	.2131	.1901	.1693	.1525	.2377	.2133	.1938	.1776
.340	2.84	.970	.182	10.97	.2164	.1949	.1690	.1522	.2432	.2168	.1959	.1791
.380	2.50	.951	.174	12.34	.2233	.1940	.1704	.1521	.2537	.2243	.2011	.1825
.420	1.50	.958	.114	15.14	.2414	.2067	.1741	.1569	.2785	.2477	.2162	.1979
.460	-.15	.949	0.000	9.71	.2504	.2247	.2015	.1876	.2730	.2512	.2241	.2022

RESISTANCE DATA SERIES 65-B MODEL 5144

LP/BPX = 4.69 DEADRISE ANGLE = 22.5 DEG FNU = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.5 LP (FT) = 10.7 40.4 87.0 107.5 10.7 40.4 87.0 107.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.83	.042	.479	2.41	.0209	.0122	.0053	.0000	.0206	.0199	.0130	.0075

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.00	.007	.144	6.42	.2304	.2007	.1916	.1779	.2516	.2299	.2120	.1991
.340	3.66	.092	.193	7.66	.2475	.2231	.2138	.1884	.2720	.2476	.2284	.2120
.380	3.37	.764	.222	8.55	.2627	.2361	.2151	.1941	.2901	.2635	.2424	.2255
.420	3.10	.031	.256	9.40	.2777	.2491	.2264	.2001	.3078	.2791	.2564	.2382
.460	2.81	.043	.301	10.14	.2879	.2575	.2334	.2140	.3203	.2899	.2659	.2465
.500	2.44	.939	.374	11.03	.2983	.2665	.2408	.2201	.3340	.3017	.2760	.2553

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.77	.608	.142	7.10	.2409	.2179	.1996	.1850	.2637	.2406	.2223	.2077
.340	3.46	.645	.175	8.19	.2546	.2327	.2127	.1958	.2847	.2589	.2384	.2220
.380	3.19	.751	.206	9.12	.2741	.2459	.2236	.2057	.3033	.2751	.2528	.2348
.420	2.88	.817	.243	10.09	.2876	.2571	.2329	.2134	.3199	.2894	.2652	.2457
.460	2.47	.898	.297	11.20	.2980	.2649	.2386	.2174	.3338	.3007	.2744	.2533
.500	2.05	.954	.357	12.10	.3136	.2793	.2513	.2277	.3425	.3173	.2892	.2666

LP/V(1/3) = 9.0 LP (FT) = 22.5 46.5 104.4 225.0 22.5 46.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.22	.587	.130	7.43	.2076	.1836	.1646	.1494	.2314	.2073	.1884	.1731
.340	2.85	.654	.164	8.50	.2179	.1910	.1698	.1524	.2450	.2182	.1970	.1800
.380	2.41	.733	.180	9.69	.2247	.1943	.1706	.1516	.2542	.2253	.2016	.1826
.420	1.97	.811	.194	10.77	.2376	.2051	.1793	.1585	.2721	.2396	.2137	.1930
.460	1.55	.890	.223	11.72	.2632	.2285	.2010	.1789	.3006	.2669	.2384	.2162
.500	1.15	.954	.254	12.50	.3036	.2673	.2385	.2152	.3436	.3073	.2784	.2552

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.04	.579	.141	8.13	.2205	.1944	.1739	.1573	.2465	.2205	.1999	.1834
.340	2.72	.656	.163	9.53	.2294	.2000	.1765	.1576	.2603	.2315	.2079	.1881
.380	2.34	.739	.177	10.96	.2397	.2063	.1798	.1585	.2748	.2414	.2149	.1936
.420	1.95	.821	.187	12.25	.2544	.2175	.1904	.1695	.2936	.2570	.2280	.2046
.460	1.56	.901	.194	13.34	.2774	.2387	.2072	.1821	.3201	.2800	.2494	.2247
.500	1.15	.978	.194	14.14	.3134	.2725	.2430	.2138	.3547	.3178	.2852	.2590

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.07	.582	.153	9.17	.2464	.2175	.1946	.1762	.2757	.2468	.2239	.2055
.340	2.97	.674	.162	9.64	.2503	.2201	.1963	.1771	.2811	.2519	.2271	.2079
.380	2.89	.623	.164	10.05	.2533	.2220	.1973	.1774	.2854	.2547	.2295	.2096
.420	2.61	.696	.164	11.56	.2644	.2296	.2018	.1794	.2917	.2565	.2304	.2164
.460	1.95	.863	.206	14.71	.2949	.2520	.2179	.1904	.3420	.2997	.2649	.2374
.500	.74	1.000	.135	16.14	.3592	.3130	.2762	.2465	.4104	.3546	.3279	.2982

RESISTANCE DATA SERIES 65-B MODFL 5167

LP/BPX = 6.64

DEPARTURE ANGLE = 22.5 DEG

FNU = 1.00

HEIGHT = LIFT (LM, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.24	.969	.691	7.10	.0574	.0558	.0544	.0533	.0549	.0572	.0558	.0548
.340	1.87	.989	.779	7.40	.0421	.0404	.0390	.0379	.0436	.0419	.0405	.0394
.380	.50	.995	.961	7.50	.0329	.0303	.0289	.0279	.0335	.0319	.0304	.0293
.420	-.48	1.009	1.000	7.64	.0327	.0310	.0296	.0285	.0343	.0325	.0311	.0300

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.9 187.5 18.7 40.4 87.9 187.5

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.62	.977	.543	7.64	.0476	.0458	.0443	.0432	.0491	.0473	.0458	.0447
.340	1.50	.984	.643	7.90	.0327	.0308	.0294	.0282	.0343	.0324	.0309	.0298
.380	.38	.988	.728	8.09	.0265	.0247	.0232	.0221	.0283	.0263	.0249	.0237

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.12	.977	.475	8.29	.0341	.0361	.0345	.0333	.0398	.0378	.0362	.0350
.340	1.15	.981	.516	8.66	.0257	.0237	.0228	.0208	.0275	.0254	.0238	.0225
.380	.75	.997	.569	8.99	.0233	.0212	.0195	.0182	.0251	.0230	.0213	.0200

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 217.5 21.2 45.8 99.6 217.5

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.82	.978	.489	8.84	.0324	.0307	.0290	.0277	.0345	.0324	.0308	.0295
.340	.96	.982	.571	9.27	.0219	.0197	.0179	.0165	.0279	.0255	.0198	.0184
.380	.16	.999	.624	9.51	.0195	.0172	.0154	.0139	.0214	.0191	.0173	.0158

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.58	.969	.523	9.76	.0280	.0257	.0240	.0226	.0299	.0276	.0258	.0244
.340	.81	.989	.618	9.69	.0181	.0157	.0139	.0124	.0209	.0176	.0158	.0143
.380	.09	.999	0.000	9.72	.0174	.0150	.0131	.0115	.0194	.0170	.0150	.0135

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.38	.978	.228	10.05	.0214	.0190	.0171	.0156	.0234	.0210	.0191	.0176
.340	.75	.999	.151	10.31	.0139	.0113	.0093	.0077	.0159	.0133	.0114	.0098
.380	0.00	.994	0.000	10.08	.0178	.0152	.0132	.0116	.0198	.0172	.0152	.0136

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.8 116.0 249.9 25.0 57.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LB	LC LB	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.32	.994	.137	10.36	.0182	.0156	.0137	.0121	.0202	.0177	.0157	.0142
.340	.81	1.000	.091	10.61	.0117	.0092	.0071	.0055	.0179	.0153	.0093	.0077
.380	1.00	.981	.000	10.39	.0164	.0140	.0120	.0104	.0187	.0161	.0141	.0125

RESISTANCE DATA STRIPS 64-9 MODEL 5167

LP/MPX = 6.64

HEADING/SLIP ANGLE = 22.5 DEG

FNU = 1.25

WRIGHT = LIFT (LH, SEAWATER) = 1900 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 27.7 81.2 175.0 17.5 27.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.01	.940	.614	6.68	.0940	.0916	.0897	.0882	.0949	.0926	.0918	.0903
.340	2.61	.942	.747	7.08	.0729	.0704	.0684	.0669	.0751	.0724	.0706	.0691
.380	1.21	.991	1.000	7.49	.0553	.0532	.0512	.0496	.0581	.0554	.0536	.0519
.420	0.00	1.000	1.000	7.77	.0476	.0450	.0429	.0412	.0501	.0474	.0453	.0436

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 97.0 187.5 18.7 40.4 97.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.31	.947	.549	7.26	.0824	.0798	.0778	.0761	.0847	.0821	.0800	.0784
.340	2.06	.943	.662	7.77	.0605	.0578	.0556	.0539	.0633	.0602	.0581	.0563
.380	.89	.984	.796	8.10	.0452	.0424	.0402	.0385	.0478	.0450	.0427	.0410
.420	-.19	1.000	.050	8.17	.0407	.0386	.0364	.0348	.0430	.0407	.0384	.0362

LP/V(1/3) = 8.0 LP (FT) = 20.0 47.1 92.8 200.0 20.0 47.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.68	.966	.495	8.01	.0690	.0661	.0639	.0621	.0715	.0686	.0664	.0646
.340	1.52	.940	.599	8.28	.0494	.0466	.0440	.0422	.0520	.0491	.0466	.0449
.380	.69	.991	.537	8.76	.0301	.0270	.0246	.0226	.0329	.0299	.0273	.0254
.420	-.40	1.000	.600	9.46	.0407	.0384	.0360	.0340	.0417	.0394	.0369	.0347

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.22	.961	.428	8.55	.0587	.0557	.0533	.0514	.0614	.0584	.0560	.0540
.340	1.35	.977	.402	8.94	.0453	.0421	.0395	.0376	.0480	.0449	.0423	.0403
.380	.52	.984	.311	9.36	.0366	.0332	.0305	.0284	.0395	.0361	.0334	.0313

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.92	.955	.351	9.10	.0535	.0502	.0477	.0456	.0557	.0521	.0495	.0485
.340	1.15	.942	.280	9.52	.0397	.0363	.0336	.0315	.0427	.0393	.0366	.0344
.380	.38	.991	.133	9.77	.0310	.0274	.0245	.0223	.0340	.0304	.0274	.0253

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.65	.961	.259	9.88	.0429	.0393	.0365	.0347	.0459	.0423	.0395	.0374
.340	1.03	.997	.199	10.28	.0294	.0259	.0230	.0207	.0329	.0291	.0267	.0239
.380	.51	.996	.066	10.32	.0249	.0211	.0181	.0157	.0281	.0243	.0213	.0189

LP/V(1/3) = 10.0 LP (FT) = 25.0 57.4 116.0 249.9 25.0 57.4 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.50	.971	.154	10.33	.0343	.0307	.0273	.0250	.0377	.0335	.0306	.0282
.340	.97	1.000	.117	10.67	.0225	.0187	.0157	.0133	.0259	.0221	.0190	.0166
.380	.27	1.000	.035	10.64	.0206	.0167	.0137	.0112	.0240	.0200	.0170	.0145

LP/DPX = 6.64

DEADRISE ANGLE = 22.5 DEG

FNW = 1.57

WEIGHT = LIFT (LP, SEAWATER) = 1700 10700 100300 1000000 1700 10000 107000 1070000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.27	.912	.613	6.78	.1066	.1034	.1009	.0989	.1005	.1063	.1037	.1017
.340	2.87	.974	.704	6.68	.0854	.0828	.0799	.0779	.0789	.0855	.0829	.0809
.380	1.63	.990	.956	7.44	.0699	.0662	.0634	.0611	.0631	.0695	.0667	.0645
.420	.48	.996	1.000	7.80	.0606	.0569	.0540	.0516	.0641	.0604	.0575	.0551

LP/V(1/3) = 7.5 LP (FT) = 19.7 40.4 87.0 187.5 19.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.54	.921	.566	7.05	.0953	.0917	.0890	.0867	.0904	.0949	.0921	.0899
.340	2.32	.981	.647	7.49	.0750	.0712	.0683	.0659	.0704	.0747	.0717	.0694
.380	1.25	.992	.847	8.07	.0597	.0559	.0528	.0504	.0624	.0595	.0565	.0540
.420	.24	.991	.955	8.61	.0546	.0508	.0478	.0455	.0582	.0544	.0514	.0491

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.07	.945	.527	7.80	.0857	.0818	.0787	.0762	.0802	.0847	.0817	.0794
.340	1.19	.992	.648	8.33	.0669	.0628	.0596	.0570	.0666	.0646	.0613	.0588
.380	.97	.995	.815	8.61	.0532	.0490	.0457	.0431	.0571	.0529	.0496	.0469
.420	0.00	.993	.650	8.92	.0524	.0481	.0447	.0420	.0564	.0521	.0487	.0460

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.49	.947	.459	8.48	.0746	.0704	.0671	.0645	.0704	.0742	.0710	.0683
.340	1.59	.978	.477	8.84	.0592	.0548	.0514	.0487	.0632	.0588	.0554	.0526
.380	.79	.996	.767	9.16	.0509	.0455	.0419	.0390	.0542	.0496	.0460	.0432
.420	-.30	.991	.186	9.65	.0473	.0424	.0385	.0354	.0516	.0467	.0428	.0397

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.17	.938	.386	9.03	.0694	.0649	.0614	.0586	.0735	.0690	.0655	.0627
.340	1.36	.973	.327	9.45	.0549	.0502	.0465	.0435	.0601	.0554	.0507	.0478
.380	.66	.987	.193	9.73	.0456	.0407	.0368	.0337	.0500	.0459	.0412	.0381
.420	-.23	.986	0.000	9.89	.0437	.0379	.0337	.0303	.0477	.0423	.0381	.0348

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.85	.937	.296	9.77	.0609	.0560	.0522	.0492	.0653	.0604	.0566	.0536
.340	1.21	.977	.238	10.24	.0494	.0443	.0403	.0363	.0500	.0449	.0409	.0377
.380	.57	.993	.139	10.40	.0373	.0320	.0279	.0246	.0419	.0367	.0326	.0293
.420	-.42	.984	0.000	9.74	.0403	.0349	.0308	.0265	.0376	.0323	.0282	.0249

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.65	.951	.182	10.31	.0519	.0459	.0418	.0386	.0526	.0455	.0414	.0382
.340	1.10	.993	.130	10.72	.0364	.0310	.0268	.0235	.0412	.0359	.0316	.0283
.380	.47	1.000	.060	10.78	.0307	.0249	.0206	.0172	.0352	.0297	.0255	.0221

RESISTANCE DATA SERIES 65-8 MODEL 5167

LP/DPX = 6.64

DEADWISE ANGLE = 22.5 DEG

FNW = 1.75

WEIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.27	.843	.589	6.23	.1135	.1093	.1061	.1034	.1173	.1131	.1099	.1072
.340	3.80	.879	.675	6.53	.0951	.0908	.0874	.0847	.0991	.0948	.0914	.0887
.380	1.74	.986	.916	7.40	.0799	.0751	.0714	.0684	.0841	.0796	.0759	.0730
.420	.81	1.000	1.000	8.19	.0741	.0690	.0650	.0618	.0792	.0740	.0700	.0668
.460	.13	1.000	1.000	8.69	.0755	.0702	.0660	.0626	.0809	.0756	.0713	.0679
.480	-.17	1.000	1.000	8.87	.0780	.0725	.0682	.0647	.0834	.0779	.0736	.0701

LP/V(1/3) = 7.5 LP (FT) = 19.7 40.4 87.8 187.5 19.7 40.4 87.8 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.58	.904	.563	6.90	.1020	.0974	.0938	.0910	.1062	.1016	.0981	.0952
.340	2.40	.979	.708	7.62	.0843	.0794	.0755	.0724	.0889	.0840	.0802	.0771
.380	1.51	.993	.962	8.07	.0731	.0680	.0640	.0608	.0781	.0730	.0690	.0658
.420	.48	.994	1.000	8.23	.0659	.0608	.0568	.0535	.0709	.0658	.0618	.0586

LP/V(1/3) = 8.0 LP (FT) = 20.3 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.10	.922	.532	7.73	.0933	.0883	.0843	.0811	.0980	.0930	.0890	.0858
.340	2.02	.979	.698	8.36	.0755	.0702	.0660	.0626	.0807	.0753	.0711	.0677
.380	1.10	.993	.954	8.67	.0644	.0593	.0549	.0514	.0701	.0646	.0602	.0567
.420	.29	.990	.979	8.75	.0613	.0557	.0514	.0479	.0666	.0611	.0567	.0532
.460	-.44	.997	.735	8.67	.0646	.0591	.0548	.0514	.0699	.0644	.0601	.0567

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.61	.926	.488	8.41	.0848	.0793	.0750	.0716	.0899	.0845	.0802	.0767
.340	1.68	.977	.681	8.92	.0678	.0621	.0576	.0539	.0733	.0675	.0630	.0594
.380	.91	.994	.909	9.20	.0593	.0533	.0486	.0448	.0649	.0589	.0542	.0504
.420	.19	.992	.762	9.35	.0589	.0527	.0478	.0439	.0646	.0584	.0535	.0496

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.21	.921	.423	9.07	.0766	.0707	.0661	.0624	.0821	.0763	.0716	.0679
.340	1.59	.963	.674	9.52	.0626	.0564	.0516	.0477	.0694	.0622	.0574	.0535
.380	.78	.984	.948	9.80	.0546	.0481	.0438	.0390	.0606	.0541	.0490	.0450
.420	0.00	.997	0.990	9.85	.0579	.0501	.0447	.0404	.0630	.0561	.0507	.0464

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.95	.912	.339	9.79	.0702	.0638	.0588	.0544	.0762	.0699	.0648	.0608
.340	1.27	.957	.673	10.28	.0556	.0489	.0436	.0394	.0619	.0552	.0499	.0457
.380	.66	.980	.966	10.43	.0492	.0423	.0369	.0325	.0556	.0487	.0432	.0389
.420	-.05	.985	0.980	10.14	.0545	.0475	.0420	.0376	.0607	.0537	.0482	.0438

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.73	.926	.215	10.30	.0630	.0563	.0504	.0467	.0693	.0626	.0572	.0530
.340	1.14	.974	.650	10.71	.0496	.0425	.0378	.0326	.0561	.0491	.0436	.0391
.380	.58	.996	.977	10.79	.0442	.0370	.0313	.0268	.0508	.0436	.0380	.0335
.420	-.19	.971	0.900	10.22	.0551	.0482	.0427	.0383	.0614	.0544	.0489	.0446

RESISTANCE DATA SERIES 65-R MODEL 5147

LP/HPX = 6.64

DEADRISE ANGLE = 22.5 DEG

FNU = 2.07

WFLIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.78	.855	.555	6.07	.1214	.1162	.1121	.1089	.1263	.1211	.1170	.1137
.340	3.00	.968	.661	6.64	.1041	.0986	.0942	.0907	.1094	.1039	.0995	.0969
.380	1.85	.987	.904	7.43	.0919	.0858	.0811	.0773	.0979	.0915	.0870	.0832
.420	.77	.997	1.000	8.39	.0850	.0783	.0730	.0688	.0917	.0850	.0797	.0755
.460	-.21	1.000	.999	9.47	.0834	.0762	.0702	.0656	.0914	.0838	.0774	.0730

LP/V(1/3) = 7.5

LP (FT) = 19.7 40.4 87.0 187.5 19.7 40.4 87.0 187.5

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.57	.891	.544	6.74	.1184	.1047	.1002	.0966	.1159	.1101	.1056	.1020
.340	2.44	.974	.705	7.48	.0958	.0897	.0849	.0810	.1019	.0957	.0909	.0870
.380	1.50	.982	.889	8.11	.0867	.0802	.0751	.0710	.0971	.0907	.0856	.0815
.420	.58	.983	1.000	8.68	.0807	.0734	.0685	.0641	.0976	.0904	.0854	.0811
.460	-.41	1.000	1.000	9.22	.0774	.0702	.0645	.0599	.0944	.0876	.0819	.0773

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.4 200.0 20.0 43.1 92.4 200.0

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.12	.903	.521	7.48	.1035	.0973	.0924	.0884	.1095	.1037	.0983	.0944
.340	2.07	.968	.645	8.32	.0882	.0814	.0761	.0718	.0944	.0881	.0827	.0785
.380	1.17	.984	.718	8.84	.0789	.0719	.0663	.0618	.0930	.0869	.0811	.0768
.420	.39	.989	.708	9.03	.0742	.0660	.0613	.0567	.0935	.0862	.0805	.0759
.460	-.29	.988	.613	8.93	.0793	.0720	.0663	.0617	.0944	.0872	.0814	.0769

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.65	.904	.494	8.14	.0942	.0895	.0842	.0800	.1027	.0960	.0907	.0865
.340	1.72	.968	.529	8.95	.0807	.0734	.0676	.0630	.0978	.0905	.0843	.0792
.380	.96	.987	.462	9.34	.0726	.0650	.0589	.0540	.0901	.0825	.0764	.0715
.420	.27	.995	.287	9.40	.0715	.0635	.0572	.0522	.0891	.0811	.0754	.0704
.460	-.44	.977	0.000	9.21	.0734	.0705	.0640	.0588	.0941	.0874	.0817	.0761

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.24	.907	.446	9.93	.0884	.0813	.0755	.0708	.0957	.0884	.0826	.0780
.340	1.50	.964	.415	9.63	.0753	.0674	.0612	.0563	.0930	.0852	.0789	.0740
.380	.45	.991	.390	10.02	.0684	.0601	.0536	.0483	.0874	.0791	.0736	.0683
.420	.18	.992	.060	10.07	.0696	.0598	.0530	.0475	.0866	.0779	.0719	.0656

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.97	.903	.379	9.76	.0814	.0734	.0671	.0620	.0992	.0912	.0849	.0798
.340	1.31	.957	.314	10.37	.0693	.0607	.0540	.0486	.0875	.0790	.0723	.0669
.380	.74	.994	.210	10.62	.0634	.0550	.0480	.0424	.0823	.0734	.0665	.0609
.420	0.00	.995	0.000	10.39	.0675	.0585	.0514	.0457	.0859	.0768	.0697	.0640

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP (%FG)	TRIM LP	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.75	.914	.241	10.35	.0754	.0667	.0599	.0545	.0936	.0850	.0782	.0728
.340	1.19	.970	.173	10.80	.0647	.0557	.0487	.0430	.0874	.0784	.0717	.0651
.380	.66	.995	.100	11.04	.0583	.0500	.0436	.0378	.0808	.0716	.0647	.0581
.420	-.03	.992	0.000	10.58	.0544	.0457	.0386	.0329	.0733	.0642	.0570	.0513

RESISTANCE DATA SERIES 64-B MONFL 5167

LP/MPX = 6.64

DEADWISE ANGLE = 22.5 DEG

FNW = 2.50

WRIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0

LP (FT) = 17.4 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.50	.747	.599	5.85	.1434	.1390	.1298	.1290	.1507	.1431	.1371	.1323
.340	3.00	.940	.627	6.45	.1200	.1200	.1136	.1005	.1361	.1288	.1217	.1166
.380	1.46	1.074	.826	7.31	.1219	.1131	.1061	.1004	.1311	.1222	.1152	.1096
.420	.72	.898	1.000	9.25	.1223	.1115	.1029	.0954	.1339	.1230	.1144	.1075

LP/V(1/3) = 7.5

LP (FT) = 19.7 40.4 87.0 187.5 19.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.71	.814	.601	6.44	.1336	.1254	.1189	.1137	.1417	.1334	.1269	.1217
.340	2.47	.978	.667	7.18	.1219	.1131	.1062	.1006	.1309	.1221	.1151	.1096
.380	1.57	.979	.852	7.90	.1104	.1027	.1017	.0957	.1285	.1191	.1116	.1054
.420	.94	.996	.981	8.80	.1176	.1073	.0991	.0925	.1246	.1183	.1101	.1035
.460	.36	1.000	1.000	10.07	.1174	.1050	.0965	.0890	.1300	.1184	.1091	.1016
.500	-.39	1.000	1.000	12.47	.1174	.1034	.0922	.0831	.1334	.1191	.1074	.0987

LP/V(1/3) = 8.0

LP (FT) = 21.0 47.1 92.4 200.0 21.0 47.1 92.4 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.00	.949	.606	7.25	.1281	.1190	.1119	.1061	.1372	.1281	.1200	.1152
.340	2.05	.982	.664	8.10	.1211	.1113	.1034	.0973	.1319	.1214	.1134	.1074
.380	1.36	.990	.720	8.84	.1165	.1060	.0976	.0904	.1274	.1170	.1086	.1019
.420	.69	.991	.843	9.64	.1119	.1007	.0910	.0836	.1240	.1123	.1030	.0956
.460	-.30	.994	.876	11.14	.1024	.0902	.0767	.0674	.1166	.1021	.0897	.0816

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.4 94.6 212.5 21.2 45.4 94.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.59	.873	.507	7.93	.1234	.1136	.1059	.0997	.1333	.1235	.1154	.1096
.340	1.72	.956	.596	8.00	.1135	.1026	.0941	.0872	.1247	.1149	.1053	.0984
.380	1.14	.990	.567	8.74	.1083	.0966	.0873	.0798	.1205	.1098	.0995	.0923
.420	.52	1.000	.739	10.50	.1052	.0922	.0810	.0736	.1183	.1073	.0959	.0867
.460	-.44	.962	0.000	11.56	.1046	.0870	.0733	.0624	.1191	.1045	.0877	.0769

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.21	.887	.473	8.77	.1169	.1062	.0977	.0909	.1279	.1171	.1087	.1019
.340	1.50	.949	.484	9.03	.1071	.0953	.0859	.0784	.1194	.1076	.0982	.0906
.380	.99	1.000	.414	10.44	.1025	.0894	.0797	.0716	.1156	.1029	.0928	.0847
.420	.36	1.000	.198	11.06	.1019	.0871	.0761	.0674	.1148	.1009	.0899	.0812

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.95	.986	.407	9.69	.1121	.1004	.0910	.0835	.1242	.1125	.1031	.0956
.340	1.36	.980	.385	10.55	.1040	.0913	.0812	.0731	.1172	.1044	.0944	.0862
.380	.90	1.000	.315	11.02	.1097	.0864	.0750	.0672	.1134	.1001	.0895	.0810
.420	.24	1.000	.105	11.19	.1006	.0845	.0734	.0644	.1126	.0985	.0874	.0784

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.73	.929	.288	10.40	.1091	.0953	.0851	.0770	.1212	.1084	.0982	.0901
.340	1.26	.992	.247	11.11	.1011	.0876	.0769	.0682	.1150	.1015	.0917	.0821
.380	.83	1.000	.184	11.43	.0967	.0827	.0716	.0627	.1110	.0970	.0869	.0770
.420	.11	.996	.031	11.22	.0949	.0807	.0695	.0604	.1100	.0947	.0835	.0745

RESISTANCE DATA SERIES 65-B MODEL 5167

LP/MPX = 6.64

DEADRISE ANGLE = 22.5 DEG

FNV = 3.00

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 17.7 41.7 175.0 17.5 37.7 41.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.50	.641	.419	5.00	.1727	.1633	.1559	.1499	.1817	.1723	.1649	.1589
.340	2.52	.991	.530	6.12	.1582	.1473	.1388	.1319	.1692	.1587	.1494	.1429
.380	1.92	1.090	.817	7.49	.1525	.1392	.1296	.1200	.1670	.1536	.1429	.1343
.420	1.12	.934	1.000	9.62	.1597	.1349	.1223	.1122	.1680	.1522	.1396	.1295

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 47.0 187.5 18.7 40.4 47.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.77	.710	.410	5.84	.1624	.1517	.1432	.1364	.1729	.1622	.1537	.1470
.340	2.67	.944	.575	7.17	.1491	.1368	.1270	.1192	.1620	.1497	.1399	.1321
.380	1.61	.993	.872	8.62	.1490	.1365	.1259	.1174	.1642	.1509	.1404	.1319
.420	1.08	.935	1.000	9.42	.1555	.1417	.1308	.1220	.1706	.1569	.1459	.1371

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.4 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.46	.775	.417	6.64	.1555	.1436	.1342	.1267	.1674	.1556	.1462	.1387
.340	2.16	.925	.656	7.84	.1496	.1364	.1259	.1175	.1637	.1505	.1401	.1316
.380	1.38	.979	.719	8.82	.1494	.1352	.1236	.1142	.1657	.1511	.1396	.1301
.420	.82	1.000	.579	9.78	.1524	.1360	.1229	.1124	.1700	.1535	.1405	.1300
.460	.23	1.000	.217	11.12	.1573	.1376	.1221	.1096	.1773	.1576	.1421	.1296

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.84	.812	.432	7.56	.1534	.1404	.1300	.1216	.1672	.1540	.1436	.1352
.340	1.83	.938	.572	8.79	.1486	.1338	.1221	.1127	.1644	.1497	.1379	.1285
.380	1.11	.993	.526	9.76	.1470	.1306	.1177	.1072	.1646	.1482	.1352	.1244
.420	.47	1.000	.297	10.74	.1477	.1291	.1143	.1025	.1670	.1484	.1337	.1218
.460	-.31	.958	0.000	12.10	.1495	.1252	.1062	.0910	.1713	.1470	.1279	.1127

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.43	.836	.437	8.43	.1522	.1377	.1262	.1170	.1674	.1529	.1414	.1322
.340	1.50	.965	.492	9.89	.1446	.1280	.1149	.1043	.1623	.1458	.1327	.1221
.380	.87	1.000	.432	10.88	.1427	.1244	.1099	.0982	.1623	.1440	.1295	.1178
.420	.31	1.000	.187	11.77	.1449	.1244	.1082	.0951	.1641	.1456	.1294	.1163
.460	-.28	.950	0.000	12.67	.1511	.1265	.1073	.0919	.1730	.1493	.1301	.1147

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.11	.864	.417	9.40	.1507	.1347	.1221	.1119	.1676	.1516	.1390	.1288
.340	1.31	.943	.416	10.82	.1427	.1242	.1099	.0984	.1617	.1437	.1293	.1178
.380	.71	1.000	.309	11.60	.1402	.1267	.1052	.0927	.1610	.1415	.1260	.1136
.420	.22	1.000	.119	11.95	.1430	.1221	.1054	.0924	.1645	.1436	.1271	.1139
.460	-.26	.939	0.000	11.97	.1501	.1274	.1096	.0957	.1716	.1490	.1311	.1164

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 115.0 249.9 25.0 53.8 115.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.87	.899	.362	10.21	.1443	.1310	.1174	.1064	.1667	.1494	.1357	.1247
.340	1.10	1.000	.331	11.38	.1404	.1218	.1068	.0946	.1612	.1423	.1272	.1151
.380	.53	1.000	.210	11.71	.1399	.1201	.1044	.0917	.1610	.1412	.1255	.1129
.420	.11	.997	.055	11.56	.1431	.1224	.1069	.0940	.1639	.1437	.1277	.1149
.460	-.17	.952	0.000	11.22	.1474	.1260	.1108	.0978	.1676	.1471	.1309	.1180

RESISTANCE DATA SFRIFS 65-R MODEL 5167

LP/RPX = 6.64

DEADRISE ANGLE = 22.5 DEG

FNU = 3.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3)		7.0		LP (FT) = 17.5		37.7		81.2		175.0		17.5		77.7		81.2		175.0		
LCG	TRIM	LP	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004											
LP	(DEG)	LP	LP	V(2/3)																
.300	5.44	.505	.366	4.22	.1011	.1703	.1619	.1551	.1914	.1907	.1722	.1655								
.340	4.17	.766	.435	5.46	.1029	.1698	.1593	.1509	.1943	.1831	.1727	.1643								
.380	2.55	.983	.645	7.10	.1007	.1726	.1598	.1495	.2061	.1909	.1772	.1669								
.420	.90	.995	1.000	10.49	.2007	.1861	.1641	.1536	.2144	.2114	.1938	.1793								

LP/V(1/3) = 7.5				LP (FT) = 18.7				40.4				87.0				187.5				18.7				43.4				47.0				187.5			
LCG		TRIM		LK		LC		S		RESISTANCE/LIFT FOR DCF=0								RESISTANCE/LIFT FOR DCF=0.0004																	
LP		(DEG)		LP		LP		V(2/3)																											
.300	4.49	.607	.338	4.07	.1008	.1686	.1590	.1513	.1928	.1806	.1700	.1632																							
.340	3.30	.835	.447	6.45	.1039	.1688	.1568	.1471	.1997	.1831	.1725	.1629																							
.380	1.93	.976	.725	7.84	.1009	.1735	.1597	.1486	.2101	.1927	.1789	.1678																							
.420	1.03	.943	1.000	8.52	.2012	.1830	.1685	.1567	.2221	.2034	.1893	.1776																							

LP/V(1/3) = 8.8				LP (FT) = 20.0				43.1	92.8	200.0	23.0	47.1	92.8	200.0
LCG	TRIM	LK	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004						
LP	(DEG)	LP	LP	V(2/3)										
.300	3.93	.659	.731	5.52	.1794	.1659	.1552	.1466	.1929	.1794	.1647	.1602		
.340	2.65	.867	.457	7.24	.1800	.1733	.1600	.1493	.1979	.1911	.1778	.1671		
.380	1.58	.972	.705	8.68	.1816	.1725	.1574	.1452	.2128	.1934	.1784	.1664		
.420	.95	.968	.891	9.17	.1866	.1670	.1513	.1386	.2091	.1894	.1737	.1610		

LP/V(1/3) = 0.5		LP (FT) = 21.2		45.4	94.6	212.5	21.2	45.4	94.6	212.5		
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.33	.698	.326	6.40	.1867	.1714	.1592	.1495	.2024	.1879	.1749	.1651
.340	2.27	.870	.520	7.91	.1939	.1761	.1620	.1506	.2133	.1955	.1814	.1700
.380	1.27	.992	.588	9.82	.1975	.1749	.1588	.1450	.2215	.2009	.1829	.1690
.420	.48	1.000	.345	12.20	.2044	.1774	.1596	.1380	.2347	.2073	.1854	.1678
.460	.84	1.000	.037	14.01	.2113	.1782	.1514	.1307	.2456	.2174	.1862	.1650
.500	.79	1.000	.074	13.81	.2186	.1782	.1524	.1317	.2445	.2120	.1862	.1655

LP/V(1/3) = 9.0		LP (FT) = 22.5		44.5		104.4		225.0		22.5		44.5		104.4		225.0	
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004								
.300	2.85	.735	.344	7.32	.1890	.1718	.1542	.1473	.2069	.1898	.1742	.1652					
.340	1.85	.916	.495	9.12	.1911	.1708	.1547	.1414	.2134	.1937	.1771	.1641					
.380	.95	1.000	.442	10.93	.1954	.1717	.1526	.1371	.2226	.1985	.1793	.1639					
.420	.27	1.000	.177	12.40	.2043	.1758	.1532	.1350	.2347	.2062	.1826	.1654					
.460	-0.66	.978	0.000	13.15	.2099	.1782	.1530	.1324	.2421	.2104	.1852	.1659					

LP/V(1/3) = 9.5		LP (FT) = 23.7		51.2	110.2	237.4	23.7	51.2	110.2	237.4		
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.41	.788	.364	8.35	.1923	.1729	.1578	.1456	.2124	.1934	.1782	.1660
.340	1.50	.956	.437	10.41	.1917	.1688	.1505	.1354	.2177	.1943	.1740	.1613
.380	.73	1.000	.331	12.12	.1959	.1691	.1478	.1306	.2256	.1984	.1774	.1602
.420	.19	1.000	.110	13.23	.2034	.1729	.1488	.1293	.2354	.2053	.1812	.1617
.460	-0.04	.976	0.000	13.65	.2074	.1751	.1493	.1247	.2419	.2085	.1824	.1621

LP/V(1/3) =10.0		LP (FT) = 25.0		53.8		116.0		249.0		25.0		53.4		116.0		249.0	
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004								
LP	(DEG)	LP	LP	V(2/3)													
.300	2.06	.836	.351	9.58	.1934	.1719	.1548	.1410	.2169	.1953	.1782	.1644					
.340	1.24	.993	.365	11.58	.1925	.1671	.1469	.1306	.2208	.1955	.1743	.1590					
.380	.57	1.000	.241	12.84	.1943	.1694	.1471	.1288	.2297	.2013	.1786	.1603					
.420	.12	.999	.064	13.45	.2074	.1765	.1519	.1322	.2404	.2094	.1849	.1651					
.460	-.03	.977	0.000	13.54	.2114	.1795	.1543	.1339	.2447	.2128	.1875	.1672					

RESISTANCE DATA

SERIES 65-8

MODEL 5167

LP/9PX = 6.64

DEADRISE ANGLE = 22.5 DEG

FNV = 4.88

WEIGHT = LIFT (LN, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.01	.553	.322	4.07	.1957	.1823	.1716	.1633	.2007	.1953	.1848	.1764
.340	4.35	.660	.301	4.05	.2065	.1911	.1790	.1693	.2220	.2066	.1945	.1848
.380	3.41	.851	.479	5.05	.2147	.1971	.1832	.1720	.2334	.2159	.2019	.1907

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.35	.591	.308	4.42	.1895	.1743	.1630	.1540	.2026	.1884	.1772	.1682
.340	3.60	.740	.370	5.60	.2029	.1856	.1720	.1610	.2208	.2035	.1899	.1789
.380	2.60	.900	.531	7.40	.2237	.2022	.1850	.1712	.2474	.2250	.2087	.1949

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.86	.613	.289	5.16	.1945	.1783	.1653	.1550	.2111	.1947	.1818	.1715
.340	3.11	.758	.366	6.58	.2156	.1957	.1799	.1672	.2367	.2168	.2010	.1883
.380	2.12	.916	.517	8.20	.2394	.2152	.1965	.1813	.2650	.2415	.2227	.2075

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 99.6 212.5				21.2 45.8 99.6 212.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.33	.651	.295	6.13	.2024	.1834	.1684	.1563	.2220	.2030	.1880	.1759
.340	2.50	.808	.432	7.74	.2214	.1999	.1828	.1690	.2449	.2234	.2063	.1925
.380	1.50	.966	.578	9.75	.2426	.2166	.1958	.1791	.2722	.2462	.2254	.2087

LP/V(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.92	.677	.301	6.84	.2076	.1868	.1703	.1570	.2294	.2086	.1921	.1789
.340	2.09	.855	.461	8.52	.2322	.2079	.1885	.1728	.2595	.2351	.2157	.2001
.380	1.26	.992	.496	10.69	.2549	.2251	.2013	.1821	.2891	.2592	.2355	.2163

LP/V(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4				23.7 51.2 110.2 237.4			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.59	.712	.314	7.68	.2211	.1983	.1801	.1655	.2456	.2228	.2047	.1901
.340	1.79	.896	.426	9.68	.2425	.2151	.1933	.1757	.2774	.2461	.2247	.2067
.380	1.04	1.000	.485	11.81	.2613	.2284	.2022	.1810	.2991	.2662	.2399	.2187

LP/V(1/3) = 10.0					LP (FT) = 25.0 53.8 116.0 249.9				25.0 53.8 116.0 249.9			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.23	.772	.318	8.71	.2319	.2065	.1864	.1701	.2597	.2344	.2143	.1980
.340	1.50	.938	.379	10.91	.2504	.2199	.1956	.1759	.2853	.2548	.2305	.2108
.380	.90	1.000	.377	12.71	.2653	.2299	.2018	.1790	.3060	.2706	.2424	.2196

RESISTANCE DATA SERIES 65-9 MODEL 5236

LP/HPX = 4.69

HEADWIND ANGLE = 33.4 DEG

FNU = 1.09

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1001 10001 100010 1000000

LP/V(1/3) = 5.0				LP (FT) = 12.5 24.9 49.8 125.0				12.5 24.9 49.8 125.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.24	.964	.625	5.73	.1069	.1045	.1033	.1024	.1071	.1056	.1044	.1035
.340	4.50	.977	.709	5.96	.0819	.0804	.0792	.0783	.0841	.0816	.0804	.0795
.380	2.34	.989	.975	6.04	.0671	.0656	.0644	.0635	.0683	.0668	.0656	.0647

LP/V(1/3) = 5.5				LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.00	.961	.519	5.94	.1073	.1061	.1051	.1041	.1091	.1075	.1063	.1053
.340	3.79	.977	.527	6.05	.0847	.0831	.0819	.0809	.0859	.0843	.0831	.0821
.380	1.76	.984	.545	6.09	.0675	.0659	.0647	.0637	.0687	.0672	.0659	.0650

LP/V(1/3) = 6.0				LP (FT) = 15.3 32.3 69.6 150.0				15.3 32.3 69.6 150.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.82	.966	.455	6.62	.0864	.0851	.0837	.0827	.0881	.0866	.0854	.0844
.340	3.00	.977	.360	6.91	.0692	.0674	.0660	.0649	.0706	.0688	.0674	.0663
.380	1.06	.982	.211	6.77	.0549	.0530	.0516	.0505	.0562	.0544	.0530	.0519

LP/V(1/3) = 6.5				LP (FT) = 16.2				35.9	75.4	162.5	16.2				35.9	75.4	162.5
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004								
.300	3.46	.964	.291	7.67	.0664	.0648	.0633	.0621	.0682	.0663	.0648	.0636					
.340	2.20	.977	.173	7.79	.0535	.0515	.0500	.0488	.0550	.0530	.0515	.0503					
.380	.61	.979	0.000	7.24	.0450	.0430	.0414	.0402	.0464	.0444	.0428	.0416					

LP/V(1/3) = 7.0				LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.14	.964	.173	7.95	.0560	.0538	.0522	.0509	.0575	.0554	.0538	.0525
.340	1.74	.975	.050	7.51	.0456	.0435	.0420	.0407	.0471	.0450	.0435	.0422
.380	.38	.976	0.000	7.44	.0402	.0380	.0364	.0351	.0417	.0396	.0379	.0366

LP/V(1/3) = 7.5				LP (FT) = 19.7 40.6 87.0 187.5				19.7 40.6 87.0 187.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.72	.967	.064	7.92	.0507	.0486	.0470	.0457	.0523	.0502	.0486	.0473
.340	1.50	.972	.004	7.59	.0434	.0415	.0400	.0387	.0451	.0433	.0415	.0402
.380	.25	.974	0.000	7.98	.0373	.0351	.0334	.0321	.0389	.0367	.0350	.0337

LP/V(1/3) = 8.0				LP (FT) = 20.0				43.1	92.8	200.0	20.0	43.1	92.8	200.0
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004					
.300	2.41	.968	0.000	7.84	.0504	.0484	.0468	.0455	.0520	.0499	.0483	.0471		
.340	1.32	.968	.001	7.77	.0451	.0430	.0414	.0402	.0466	.0446	.0430	.0417		
.380	.16	.973	.001	8.20	.0340	.0318	.0301	.0288	.0356	.0334	.0318	.0304		

RESISTANCE DATA SERIES 65-9 MODFL 5236

LP/PPX = 4.69

DEADWISE ANGLE = 30.4 DEG

FNU = 1.21

WEIGHT = LIFT (LP, SEAWAY) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.0 LP (FT) = 17.5 26.9 50.0 125.0 12.5 26.9 50.0 125.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.340	6.48	.965	.667	5.49	.1477	.1456	.1439	.1426	.1404	.1473	.1456	.1443
.380	3.96	.974	.906	5.90	.1189	.1168	.1148	.1134	.1206	.1194	.1187	.1153
.420	1.80	.993	1.000	5.83	.1011	.0989	.0972	.0959	.1029	.1007	.0990	.0977

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	7.50	.914	.541	5.92	.1643	.1620	.1602	.1588	.1641	.1638	.1620	.1606
.340	4.46	.974	.599	6.03	.1276	.1253	.1235	.1221	.1295	.1277	.1264	.1240
.380	3.00	.974	.741	6.36	.1029	.1005	.0986	.0971	.1049	.1025	.1006	.0991
.420	1.08	.984	.906	6.49	.0977	.0954	.0935	.0920	.0999	.0974	.0955	.0940

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.00	.913	.450	6.68	.1419	.1393	.1373	.1357	.1440	.1414	.1394	.1379
.340	4.03	.974	.477	6.62	.1196	.1180	.1161	.1145	.1176	.1161	.1141	.1126
.380	2.31	.974	.732	6.87	.0917	.0884	.0863	.0846	.0932	.0905	.0884	.0867
.420	.54	.942	.240	7.13	.0764	.0739	.0717	.0700	.0790	.0761	.0739	.0722

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.91	.948	.339	7.00	.1152	.1125	.1104	.1087	.1174	.1147	.1126	.1109
.340	3.28	.973	.297	7.38	.0929	.0900	.0878	.0860	.0952	.0923	.0901	.0883
.380	1.72	.974	0.000	7.45	.0771	.0740	.0716	.0697	.0794	.0763	.0739	.0720
.420	0.00	.943	0.000	7.60	.0637	.0605	.0578	.0561	.0661	.0629	.0604	.0585

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.14	.939	.205	7.46	.0992	.0963	.0938	.0922	.0975	.0946	.0923	.0905
.340	2.64	.972	.115	7.60	.0787	.0751	.0727	.0707	.0808	.0776	.0752	.0732
.380	1.23	.973	0.000	7.79	.0659	.0617	.0592	.0572	.0675	.0642	.0616	.0596
.420	-0.29	.947	0.000	7.89	.0533	.0500	.0474	.0453	.0558	.0524	.0499	.0479

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.50	.942	.095	8.05	.0832	.0800	.0776	.0755	.0857	.0825	.0801	.0781
.340	2.21	.971	.005	8.13	.0689	.0657	.0632	.0612	.0714	.0682	.0657	.0637
.380	.86	.970	0.000	7.93	.0577	.0540	.0514	.0494	.0597	.0564	.0539	.0519

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.9 200.0 20.0 43.1 92.9 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.14	.952	0.000	8.27	.0787	.0755	.0729	.0709	.0817	.0780	.0755	.0735
.340	1.87	.969	0.000	8.01	.0661	.0629	.0605	.0585	.0684	.0654	.0630	.0610
.380	.61	.959	0.000	8.12	.0543	.0511	.0486	.0467	.0569	.0536	.0512	.0492

RESISTANCE DATA SERIES 65-9 MONFL 5236

LP/90X = 4.69

DEADRISE ANGLE = 30.4 DEG

FNV = 1.50

WPIGHS = LIFT (LW, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.95	.954	.650	5.40	.1677	.1644	.1625	.1607	.1741	.1672	.1649	.1631
.340	4.50	.977	.804	5.72	.1374	.1344	.1320	.1302	.1400	.1370	.1346	.1327
.420	2.29	.984	1.000	5.73	.1199	.1160	.1137	.1119	.1215	.1186	.1163	.1145
.460	0.00	.997	1.000	6.10	.1041	.1040	.1026	.1006	.1100	.1077	.1053	.1034

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.40	.858	.537	5.79	.1727	.1695	.1671	.1651	.1751	.1721	.1697	.1677
.340	5.27	.965	.584	6.06	.1364	.1332	.1307	.1287	.1392	.1359	.1334	.1314
.380	3.38	.975	.811	6.47	.1145	.1112	.1086	.1065	.1174	.1141	.1115	.1094
.420	1.69	.982	1.000	6.70	.1023	.0989	.0963	.0942	.1053	.1019	.0993	.0972
.460	-1.15	.995	1.000	6.60	.0949	.0916	.0890	.0869	.0974	.0945	.0920	.0899

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.21	.908	.444	5.85	.1444	.1411	.1382	.1359	.1479	.1442	.1413	.1390
.340	4.24	.970	.575	6.40	.1171	.1135	.1107	.1084	.1202	.1165	.1138	.1115
.380	2.72	.976	.513	7.19	.1001	.0970	.0940	.0917	.1040	.1002	.0973	.0949
.420	1.24	.979	.347	7.44	.0907	.0854	.0828	.0803	.0933	.0893	.0861	.0836

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.11	.915	.343	7.49	.1261	.1223	.1192	.1167	.1297	.1257	.1225	.1201
.340	3.56	.967	.335	7.41	.1047	.1013	.0979	.0954	.1083	.1043	.1012	.0988
.380	2.21	.976	.064	7.60	.0994	.0965	.0932	.0904	.1042	.1009	.0966	.0940
.420	.84	.978	0.000	7.83	.0793	.0745	.0709	.0681	.0828	.0781	.0745	.0716

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.50	.915	.233	7.56	.1147	.1101	.1064	.1044	.1174	.1135	.1103	.1078
.340	3.00	.967	.127	7.81	.0942	.0900	.0867	.0840	.0974	.0935	.0902	.0875
.380	1.81	.975	0.000	7.90	.0815	.0769	.0733	.0705	.0851	.0804	.0769	.0741
.420	.51	.976	0.000	8.14	.0704	.0654	.0620	.0589	.0745	.0695	.0656	.0626

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.82	.923	.092	7.84	.1099	.0964	.0932	.0906	.1044	.1001	.0968	.0941
.340	2.59	.969	0.000	8.14	.0844	.0803	.0768	.0740	.0885	.0840	.0804	.0776
.380	1.50	.974	0.000	8.20	.0744	.0697	.0661	.0632	.0781	.0734	.0698	.0669
.420	.24	.976	0.000	8.45	.0648	.0594	.0561	.0531	.0666	.0637	.0599	.0569

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.41	.932	0.000	8.25	.0931	.0886	.0851	.0823	.0969	.0923	.0888	.0860
.340	2.26	.978	.000	8.44	.0797	.0747	.0711	.0682	.0830	.0784	.0749	.0720
.380	1.20	.971	0.000	8.44	.0745	.0690	.0654	.0624	.0743	.0698	.0662	.0634
.420	0.00	.979	0.000	8.49	.0613	.0565	.0527	.0497	.0653	.0605	.0567	.0537

RESISTANCE DATA SERIES 55-B MODFL 5236

LP/PPX = 4.6°

DEADISE ANGLE = 30.4 DEG

FNU = 1.75

HEIGHT = LIFT (LH, SEAWATER) = 1000 1700 29900 100000 1907 17000 29970 100000

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.01	.944	.636	5.39	.1730	.1692	.1652	.1639	.1703	.1725	.1605	.1671
.340	4.57	.974	.707	5.71	.1454	.1419	.1378	.1363	.1443	.1454	.1423	.1393
.420	2.31	.943	1.000	5.45	.1240	.1240	.1210	.1185	.1316	.1274	.1245	.1221
.460	.79	1.000	.539	6.14	.1214	.1174	.1140	.1112	.1256	.1212	.1178	.1150

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.04	.946	.593	5.56	.1746	.1746	.1714	.1689	.1720	.1780	.1744	.1723
.340	5.46	.959	.567	6.07	.1459	.1416	.1383	.1357	.1406	.1453	.1420	.1394
.380	3.56	.977	.782	6.73	.1244	.1244	.1171	.1144	.1206	.1243	.1209	.1182
.420	1.89	.982	.615	6.54	.1177	.1199	.1056	.1028	.1177	.1132	.1096	.1068
.460	0.00	.991	.566	6.44	.1051	.1003	.0966	.0936	.1043	.1045	.1004	.0979

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.7 69.6 150.0 15.0 32.7 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.28	.873	.444	6.77	.1527	.1479	.1442	.1412	.1568	.1520	.1483	.1457
.340	4.32	.965	.520	6.74	.1255	.1204	.1171	.1142	.1240	.1249	.1217	.1187
.380	2.83	.974	.569	7.24	.1109	.1060	.1021	.0990	.1153	.1144	.1105	.1074
.420	1.50	.981	.265	7.45	.1031	.1074	.1030	.0995	.1074	.1022	.0974	.0947
.460	-.07	.995	.704	7.05	.0967	.0917	.0878	.0846	.1010	.0960	.0921	.0889

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.06	.908	.446	7.31	.1309	.1257	.1217	.1185	.1353	.1302	.1262	.1230
.340	3.54	.961	.397	7.43	.1115	.1043	.1023	.0991	.1164	.1149	.1068	.1036
.380	2.37	.974	.133	7.73	.1017	.0951	.0904	.0867	.1061	.1001	.0954	.0917
.420	1.10	.981	0.000	8.61	.0932	.0865	.0812	.0771	.0945	.0919	.0874	.0823
.460	-.31	.990	.019	6.74	.0877	.0826	.0787	.0756	.0910	.0868	.0829	.0790

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 91.2 175.0 17.5 37.7 91.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.27	.912	.244	7.34	.1155	.1113	.1072	.1039	.1219	.1154	.1117	.1084
.340	3.00	.961	.156	8.06	.1030	.0973	.0928	.0892	.1044	.1022	.0977	.0942
.380	1.91	.975	0.000	8.64	.0926	.0860	.0808	.0767	.0979	.0913	.0861	.0823
.420	.74	.977	0.000	8.63	.0834	.0764	.0713	.0674	.0891	.0821	.0766	.0725
.460	-.44	.981	0.000	7.33	.0798	.0743	.0701	.0667	.0847	.0799	.0746	.0712

LP/V(1/3) = 7.5

LP (FT) = 19.7 40.4 97.0 197.5 19.7 40.4 97.0 197.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.73	.916	.085	7.74	.1041	.1025	.0941	.0946	.1124	.1072	.1024	.0994
.340	2.71	.954	0.000	8.41	.0966	.0905	.0854	.0820	.1018	.0957	.0909	.0871
.380	1.58	.974	0.000	8.66	.0844	.0774	.0727	.0686	.0997	.0921	.0874	.0839
.420	.49	.975	0.000	8.61	.0770	.0704	.0652	.0611	.0873	.0796	.0705	.0664
.460	-.50	.984	0.000	8.40	.0738	.0676	.0629	.0590	.0849	.0774	.0680	.0642

LP/V(1/3) = 8.0

LP (FT) = 20.9 43.1 92.4 200.0 20.9 43.1 92.4 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.38	.924	0.000	8.26	.1015	.0955	.0909	.0877	.1066	.1006	.0950	.0922
.340	2.38	.964	.001	8.69	.0895	.0837	.0784	.0746	.0944	.0886	.0837	.0799
.380	1.33	.972	0.000	8.64	.0799	.0737	.0688	.0650	.0852	.0794	.0741	.0703
.420	.35	.974	0.000	8.44	.0736	.0673	.0623	.0584	.0790	.0727	.0678	.0638

RESISTANCE DATA SERIES 65-9 MODEL 5276

LP/DPX = 4.69

DEADRISE ANGLE = 30.4 DEG

FNU = 2.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 59.0 125.0 12.5 26.9 59.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	7.50	.925	.603	5.42	.1870	.1821	.1793	.1752	.1914	.1865	.1826	.1795
.380	4.50	.975	.790	5.74	.1542	.1497	.1452	.1421	.1588	.1539	.1498	.1467
.420	2.16	.983	1.000	6.03	.1375	.1323	.1283	.1250	.1423	.1371	.1331	.1298
.460	.45	1.000	.720	7.18	.1387	.1324	.1274	.1234	.1445	.1381	.1332	.1292

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.0 137.5 13.7 29.6 63.0 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	5.70	.949	.553	6.10	.1578	.1524	.1481	.1447	.1627	.1573	.1530	.1496
.380	3.61	.972	.770	6.33	.1353	.1298	.1255	.1220	.1403	.1348	.1305	.1271
.420	1.84	.979	.423	6.46	.1239	.1180	.1134	.1098	.1290	.1232	.1186	.1149
.460	.34	1.000	0.000	7.01	.1209	.1140	.1086	.1043	.1245	.1186	.1142	.1099

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	6.84	.815	.444	6.07	.1691	.1636	.1592	.1558	.1740	.1684	.1641	.1607
.380	4.50	.950	.478	6.95	.1370	.1308	.1268	.1222	.1425	.1364	.1316	.1277
.420	3.00	.973	.660	6.99	.1229	.1168	.1121	.1083	.1285	.1224	.1177	.1139
.460	1.80	.974	0.000	7.68	.1133	.1055	.0997	.0950	.1191	.1116	.1058	.1012
.460	0.00	.946	0.000	7.81	.1268	.0993	.0934	.0888	.1170	.1055	.0997	.0950

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	5.44	.960	.364	7.11	.1485	.1422	.1372	.1332	.1543	.1479	.1429	.1389
.380	3.65	.959	.460	7.50	.1243	.1177	.1126	.1085	.1307	.1237	.1186	.1145
.420	2.44	.971	.317	7.90	.1147	.1069	.1013	.0969	.1204	.1133	.1077	.1032
.460	1.25	.974	0.000	8.81	.1068	.0983	.0917	.0865	.1178	.1054	.0988	.0935
.460	-1.15	.977	.035	7.75	.1022	.0929	.0872	.0827	.1063	.0991	.0934	.0889

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	4.50	.890	.277	7.64	.1301	.1240	.1186	.1143	.1369	.1301	.1247	.1204
.380	3.15	.955	.273	8.02	.1147	.1076	.1021	.0976	.1212	.1141	.1085	.1040
.420	2.01	.972	.846	8.92	.1059	.0977	.0913	.0862	.1131	.1049	.0984	.0937
.460	.88	.972	0.000	9.22	.0993	.0904	.0834	.0779	.1067	.0977	.0908	.0853
.460	-2.24	.974	0.000	7.67	.0932	.0859	.0802	.0757	.0993	.0920	.0864	.0819

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	3.77	.993	.133	7.91	.1183	.1111	.1055	.1010	.1246	.1174	.1118	.1074
.380	2.78	.959	.070	8.63	.1085	.1006	.0945	.0896	.1154	.1075	.1014	.0965
.420	1.50	.971	0.000	0.15	.0975	.0889	.0822	.0769	.1044	.0962	.0895	.0842
.460	.54	.969	0.000	8.06	.0910	.0825	.0758	.0705	.0982	.0896	.0829	.0776
.460	-2.24	.977	0.000	8.27	.0869	.0792	.0731	.0683	.0935	.0858	.0797	.0740

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	3.38	.915	0.000	8.36	.1139	.1063	.1003	.0955	.1204	.1129	.1060	.1022
.380	2.45	.964	0.000	8.87	.1043	.0962	.0909	.0840	.1114	.1037	.0970	.0923
.420	1.21	.967	.001	8.75	.0905	.0826	.0764	.0714	.0975	.0896	.0834	.0784
.460	.27	.971	.001	8.87	.0833	.0753	.0690	.0640	.0904	.0824	.0761	.0711
.460	-0.09	.979	0.000	9.07	.0820	.0739	.0673	.0622	.0892	.0810	.0746	.0695



RESISTANCE DATA SERIES 64-B MODEL 5236

LP/PPX = 4.69

DEADRISE ANGLE = 30.4 DEG

FMV = 2.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/W(1/3) = 5.0				LP (FT) = 12.5 26.9 58.0 125.0				12.5 26.9 58.0 125.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	7.55	.889	.564	4.26	.2026	.1954	.1897	.1852	.2001	.2020	.1963	.1918
.380	6.80	.962	.658	5.70	.1908	.1832	.1772	.1724	.1979	.1903	.1843	.1795
.420	2.58	.986	1.000	6.80	.1705	.1619	.1551	.1496	.1790	.1704	.1636	.1581
.460	1.62	1.000	1.000	7.47	.1700	.1606	.1511	.1451	.1674	.1779	.1704	.1645

LP/W(1/3) = 5.5				LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.340	7.17	.923	.469	5.42	.1929	.1854	.1796	.1749	.1907	.1922	.1864	.1817
.380	4.50	.963	.678	6.44	.1683	.1599	.1533	.1480	.1763	.1679	.1613	.1560
.420	1.89	.993	1.000	7.09	.1539	.1450	.1381	.1326	.1626	.1539	.1470	.1414
.460	.26	1.000	.794	8.29	.1637	.1525	.1438	.1368	.1740	.1629	.1541	.1471
.500	-.35	1.000	0.000	8.85	.1688	.1528	.1405	.1309	.1799	.1639	.1516	.1419

LP/W(1/3) = 6.0				LP (FT) = 15.0 32.3 69.6 150.0				15.0 32.3 69.6 150.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.96	.658	.334	4.77	.1929	.1865	.1816	.1777	.1902	.1920	.1871	.1832
.340	5.33	.919	.479	6.51	.1693	.1603	.1535	.1480	.1771	.1684	.1616	.1562
.380	3.37	.957	.639	6.95	.1531	.1441	.1371	.1318	.1614	.1529	.1458	.1401
.420	1.69	.973	.595	7.76	.1438	.1337	.1258	.1195	.1575	.1474	.1395	.1292
.460	.20	1.000	.419	8.76	.1471	.1349	.1254	.1178	.1581	.1459	.1367	.1287

LP/W(1/3) = 6.5				LP (FT) = 16.2 35.0 75.4 162.5				16.2 35.0 75.4 162.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.21	.732	.357	4.25	.1733	.1647	.1580	.1526	.1811	.1725	.1658	.1604
.340	4.24	.925	.445	7.06	.1544	.1453	.1381	.1322	.1634	.1542	.1469	.1411
.380	2.85	.965	.467	7.77	.1476	.1375	.1297	.1234	.1573	.1473	.1394	.1331
.420	1.50	.973	0.000	8.77	.1374	.1249	.1152	.1074	.1483	.1359	.1261	.1184

LP/W(1/3) = 7.0				LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.05	.885	.316	7.04	.1496	.1402	.1318	.1258	.1674	.1580	.1505	.1446
.340	3.58	.930	.373	7.81	.1499	.1387	.1307	.1243	.1586	.1485	.1404	.1349
.380	2.43	.958	.406	8.71	.1412	.1294	.1201	.1127	.1521	.1403	.1310	.1236
.420	1.09	.968	0.000	9.61	.1267	.1121	.1007	.0917	.1347	.1241	.1128	.1037

LP/W(1/3) = 7.5				LP (FT) = 18.7 40.4 87.8 187.5				18.7 40.4 87.8 187.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S W(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.29	.843	.248	7.83	.1409	.1405	.1322	.1257	.1607	.1502	.1420	.1355
.340	3.16	.941	.177	8.62	.1435	.1321	.1231	.1159	.1543	.1429	.1339	.1267
.380	1.99	.968	0.000	9.45	.1375	.1194	.1091	.1000	.1443	.1312	.1209	.1127
.420	.79	.964	0.000	9.81	.1214	.1077	.0968	.0880	.1340	.1209	.1099	.1003
.460	-.39	.979	.295	9.12	.1177	.1059	.0964	.0889	.1291	.1172	.1078	.1003

LP/W(1/3) = 8.0				LP (FT) = 20.0				43.1				92.8				200.0				20.0				43.1				92.8				200.0			
LCG		TRIM		LK		LC		S		RESISTANCE/LIFT FOR DCF=0								RESISTANCE/LIFT FOR DCF=0.0004																	
LP		(DEG)		LP		LP		W(2/3)																											
.300		3.88		.852		.117		8.46		.1472	.1358	.1266	.1193	.1579	.1463	.1373	.1300																		
.340		2.74		.948		0.000		9.40		.1364	.1233	.1132	.1052	.1477	.1350	.1250	.1170																		
.380		1.62		.965		0.000		9.59		.1279	.1150	.1048	.0967	.1399	.1270	.1168	.1087																		
.420		.59		.969		.014		9.59		.1207	.1078	.0977	.0896	.1327	.1198	.1097	.1015																		
.460		-.31		.973		0.000		9.68		.1132	.1001	.0898	.0816	.1257	.1127	.1019	.0937																		

RESISTANCE DATA

SERIES 65-B

MODEL 523A

LP/DPX = 4.69

DEADRISE ANGLE = 30.4 DEG

FNV = 3.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.0 137.5				13.7 29.6 63.0 137.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.340	7.75	.705	.406	4.36	.2105	.2099	.2032	.1978	.2263	.2178	.2110	.2057
.380	6.75	.845	.455	5.18	.2149	.2051	.1974	.1912	.2243	.2144	.2067	.2005
.420	5.21	.967	.594	6.31	.2102	.1987	.1897	.1824	.2216	.2101	.2010	.1938
.460	3.11	1.000	.863	7.77	.2125	.1909	.1802	.1795	.2265	.2129	.2021	.1939
.500	.42	.885	1.000	9.96	.2474	.2303	.2160	.2059	.2653	.2402	.2347	.2230

LP/V(1/3) = 6.0					LP (FT) = 15.0 32.3 69.6 150.0				15.0 32.3 69.6 150.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	7.50	.621	.319	4.33	.2020	.1934	.1866	.1812	.2090	.2012	.1944	.1890
.340	6.17	.767	.398	5.51	.1952	.1847	.1764	.1698	.2052	.1946	.1864	.1797
.380	4.50	.942	.530	6.80	.1805	.1762	.1664	.1586	.2007	.1884	.1787	.1700
.420	3.00	.984	.644	7.47	.1890	.1757	.1652	.1560	.2024	.1891	.1786	.1702
.460	1.09	1.000	1.000	9.44	.2166	.2007	.1880	.1778	.2336	.2176	.2050	.1940

LP/V(1/3) = 6.5					LP (FT) = 16.2 35.0 75.4 162.5				16.2 35.0 75.4 162.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.22	.665	.331	5.40	.1853	.1747	.1663	.1597	.1952	.1845	.1762	.1695
.340	4.80	.845	.381	6.58	.1799	.1677	.1581	.1504	.1910	.1796	.1699	.1622
.380	3.35	.948	.468	7.58	.1787	.1651	.1543	.1457	.1924	.1787	.1680	.1593
.420	1.98	.966	.593	8.16	.1807	.1663	.1549	.1458	.1954	.1810	.1696	.1605

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.33	.718	.288	6.32	.1800	.1680	.1585	.1509	.1914	.1793	.1699	.1623
.340	4.01	.876	.334	7.45	.1777	.1641	.1533	.1446	.1911	.1775	.1667	.1581
.380	2.72	.964	.381	8.62	.1702	.1627	.1505	.1407	.1937	.1782	.1660	.1562
.420	1.50	.967	.236	8.98	.1812	.1640	.1518	.1413	.1974	.1809	.1679	.1575
.460	.55	.980	0.000	8.37	.1840	.1681	.1549	.1444	.1999	.1831	.1700	.1595

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.63	.754	.241	7.13	.1788	.1654	.1548	.1464	.1916	.1782	.1676	.1592
.340	3.42	.904	.271	8.60	.1766	.1610	.1487	.1388	.1921	.1765	.1642	.1543
.380	2.08	.944	.259	9.06	.1767	.1603	.1474	.1370	.1930	.1766	.1637	.1533
.420	0.88	.922	0.000	9.53	.1380	.1194	.1054	.0940	.1551	.1369	.1226	.1111

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.10	.787	.189	8.26	.1793	.1639	.1517	.1420	.1941	.1787	.1666	.1569
.340	3.00	.938	.126	9.73	.1756	.1579	.1438	.1326	.1931	.1754	.1613	.1501
.380	2.01	.967	.038	9.92	.1769	.1585	.1440	.1324	.1947	.1763	.1619	.1503
.420	.72	.960	0.000	10.04	.1730	.1541	.1393	.1274	.1911	.1722	.1573	.1454

RESISTANCE DATA

SERIES 65-B

MODEL 5236

LP/BPX = 4.69

DFADRISE ANGLE = 30.4 DEG

FNV = 3.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.41	.621	.242	4.04	.1930	.1822	.1738	.1671	.2129	.1921	.1817	.1779
.340	5.42	.749	.346	5.03	.1943	.1815	.1714	.1633	.2066	.1879	.1787	.1756
.380	4.39	.866	.437	6.16	.1986	.1835	.1715	.1620	.2137	.1946	.1866	.1770
.420	3.32	.925	.547	7.04	.2054	.1886	.1753	.1646	.2227	.2058	.1925	.1818

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.91	.628	.267	4.76	.2011	.1886	.1788	.1719	.2127	.2003	.1905	.1826
.340	4.93	.772	.327	6.02	.2036	.1886	.1767	.1672	.2184	.2033	.1914	.1819
.380	4.16	.870	.381	6.90	.2068	.1898	.1763	.1655	.2239	.2069	.1935	.1827
.420	3.09	.958	.497	8.00	.2148	.1959	.1810	.1690	.2344	.2155	.2006	.1886

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.12	.671	.243	5.77	.1971	.1824	.1707	.1614	.2113	.1965	.1849	.1755
.340	4.25	.799	.295	7.03	.2000	.1826	.1689	.1580	.2172	.1998	.1862	.1752
.380	3.32	.910	.378	8.29	.2050	.1852	.1696	.1570	.2253	.2055	.1899	.1773
.420	1.50	.899	.514	6.93	.1980	.1818	.1690	.1587	.2150	.1988	.1860	.1757

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.59	.697	.289	6.65	.1981	.1813	.1681	.1575	.2144	.1976	.1844	.1738
.340	3.66	.845	.387	8.41	.2018	.1816	.1656	.1527	.2224	.2022	.1862	.1733
.380	2.65	.932	.332	9.08	.2024	.1810	.1641	.1504	.2247	.2033	.1863	.1727
.420	1.50	.923	.177	8.27	.2088	.1888	.1729	.1602	.2291	.2090	.1932	.1804
.460	.53	.984	.022	10.10	.2575	.2325	.2128	.1970	.2922	.2572	.2375	.2217
.500	0.00	1.000	0.000	13.06	.3113	.2792	.2539	.2336	.3432	.3112	.2859	.2656

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.27	.712	.289	7.72	.2061	.1869	.1718	.1597	.2250	.2048	.1907	.1786
.340	3.31	.844	.385	9.80	.2089	.1859	.1675	.1529	.2329	.2099	.1916	.1769
.380	2.95	.933	.382	10.36	.2131	.1889	.1697	.1543	.2384	.2142	.1951	.1796
.420	1.91	.966	.048	10.44	.2394	.2139	.1939	.1777	.2649	.2395	.2194	.2033

RESISTANCE DATA SERIES 65-B MODEL 5236

LP/ROX = 4.69

DEADRISE ANGLE = 30.4 DEG

FNU = 4.09

WRIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.36	.596	.226	4.36	.2526	.2379	.2263	.2170	.2665	.2518	.2402	.2310
.340	5.63	.707	.273	5.25	.2570	.2399	.2264	.2156	.2738	.2567	.2452	.2324
.380	4.94	.821	.327	6.23	.2637	.2441	.2286	.2162	.2837	.2640	.2485	.2361
.420	4.32	.922	.392	7.11	.2714	.2496	.2324	.2185	.2941	.2728	.2551	.2412
.460	3.87	.998	.431	7.76	.2785	.2552	.2367	.2218	.3037	.2800	.2615	.2466
.500	3.31	1.010	.506	8.55	.2922	.2670	.2470	.2309	.3195	.2947	.2743	.2582

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.24	.591	.211	4.95	.2846	.2881	.2551	.2447	.3095	.2939	.2789	.2605
.340	5.52	.704	.251	5.98	.2909	.2707	.2555	.2433	.3091	.2999	.2747	.2625
.380	4.87	.825	.298	7.14	.2979	.2748	.2572	.2431	.3199	.2977	.2801	.2659
.420	4.26	.930	.345	8.18	.3059	.2803	.2606	.2448	.3312	.3064	.2868	.2709
.460	3.81	1.000	.391	9.03	.3138	.2870	.2656	.2485	.3427	.3158	.2945	.2774
.500	3.30	1.000	.467	9.99	.3240	.2990	.2759	.2573	.3600	.3309	.3078	.2892

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.15	.630	.186	5.95	.2594	.2399	.2245	.2121	.2784	.2589	.2435	.2312
.340	4.40	.758	.232	7.35	.2654	.2423	.2239	.2092	.2889	.2658	.2475	.2328
.380	3.86	.867	.295	8.64	.2749	.2485	.2276	.2109	.3025	.2761	.2553	.2385
.420	3.32	.965	.367	9.86	.2873	.2581	.2349	.2162	.3188	.2896	.2665	.2478

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.24	.695	.197	7.31	.2105	.2072	.1987	.1739	.2539	.2305	.2121	.1973
.340	3.59	.819	.296	9.23	.2404	.2125	.1903	.1725	.2699	.2420	.2198	.2020
.380	3.00	.925	.364	10.80	.2557	.2235	.1983	.1779	.2898	.2581	.2328	.2125

RESISTANCE DATA SERIES 65-9 MODEL 5208

LP/RPX = 6.64

DEADRISE ANGLE = 30.4 DEG

FNV = 1.00

WRIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.99	.979	.547	6.29	.0625	.0409	.0597	.0587	.0639	.0522	.0519	.0600
.340	2.30	.985	.598	6.32	.0499	.0484	.0472	.0462	.0512	.0495	.0494	.0474
.380	.75	.992	.619	6.59	.0426	.0410	.0398	.0388	.0439	.0423	.0411	.0401

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.51	.967	.474	6.66	.0612	.0596	.0583	.0577	.0626	.0609	.0596	.0586
.340	2.02	.978	.511	6.63	.0487	.0470	.0458	.0448	.0500	.0484	.0471	.0461
.380	.65	.989	.538	7.09	.0408	.0390	.0377	.0366	.0422	.0405	.0391	.0380

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.00	.965	.398	7.21	.0608	.0590	.0576	.0565	.0622	.0604	.0590	.0579
.340	1.72	.979	.417	7.09	.0489	.0471	.0458	.0447	.0503	.0486	.0472	.0461
.380	.49	.993	.260	7.21	.0398	.0380	.0366	.0355	.0413	.0394	.0380	.0369

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.63	.972	.381	7.74	.0577	.0554	.0539	.0527	.0589	.0570	.0555	.0543
.340	1.57	.977	.244	7.41	.0461	.0442	.0428	.0416	.0476	.0457	.0443	.0431
.380	.36	.978	.066	7.06	.0374	.0355	.0341	.0330	.0388	.0370	.0355	.0344

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.31	.971	.188	8.17	.0505	.0484	.0468	.0456	.0521	.0501	.0485	.0472
.340	1.30	.972	.067	7.60	.0413	.0394	.0379	.0367	.0429	.0409	.0394	.0382
.380	.26	.976	0.000	6.93	.0333	.0315	.0301	.0290	.0347	.0329	.0315	.0304

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.05	.954	.035	8.47	.0450	.0428	.0411	.0398	.0467	.0445	.0428	.0415
.340	1.14	.969	0.000	7.85	.0375	.0355	.0339	.0326	.0391	.0370	.0355	.0342
.380	.17	.977	0.000	6.93	.0295	.0277	.0263	.0252	.0309	.0291	.0277	.0266

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.84	.957	0.000	8.90	.0412	.0389	.0371	.0357	.0430	.0407	.0389	.0375
.340	1.01	.971	0.000	8.31	.0347	.0325	.0309	.0295	.0367	.0342	.0325	.0312
.380	.11	.978	.006	7.14	.0264	.0246	.0232	.0221	.0278	.0260	.0246	.0235

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.67	.955	0.000	9.55	.0384	.0367	.0344	.0329	.0407	.0383	.0364	.0349
.340	.90	.976	0.000	9.09	.0327	.0304	.0286	.0272	.0345	.0322	.0304	.0290
.380	0.00	.977	.036	7.38	.0234	.0216	.0202	.0190	.0249	.0231	.0216	.0205

RESISTANCE DATA SERIES 65-0 MODEL 5204

LP/DPX = 6.64

DEADWISE ANGLE = 30.4 DEG

FNU = 1.25

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 100P 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 39.0 75.4 102.5 16.2 39.0 75.4 102.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.20	.948	.596	6.29	.1185	.1161	.1143	.1129	.1204	.1181	.1163	.1148
.340	3.46	.976	.638	6.54	.0936	.0910	.0891	.0876	.0954	.0930	.0912	.0897
.380	1.87	.986	.649	7.08	.0750	.0733	.0717	.0698	.0760	.0755	.0736	.0720
.420	-.27	.997	1.000	7.63	.0633	.0609	.0589	.0574	.0655	.0631	.0611	.0596

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.34	.953	.587	6.81	.1002	.0977	.0958	.0942	.1024	.0998	.0979	.0963
.340	2.78	.975	.526	6.96	.0803	.0777	.0750	.0742	.0824	.0799	.0779	.0763
.380	1.50	.981	.576	6.99	.0659	.0634	.0614	.0599	.0681	.0656	.0636	.0620
.420	-.86	.993	.970	7.71	.0535	.0500	.0467	.0471	.0559	.0532	.0512	.0495

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.65	.946	.434	7.31	.0910	.0883	.0862	.0845	.0933	.0906	.0885	.0868
.340	2.30	.976	.475	7.21	.0729	.0703	.0682	.0666	.0752	.0726	.0704	.0688
.380	1.08	.981	.387	7.25	.0600	.0574	.0553	.0536	.0623	.0596	.0575	.0559
.420	-.27	.995	.197	8.42	.0493	.0460	.0435	.0415	.0519	.0487	.0462	.0441

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.0 200.0 20.0 43.1 92.0 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.16	.946	.325	7.64	.0849	.0821	.0799	.0782	.0873	.0845	.0823	.0805
.340	1.96	.977	.289	7.58	.0685	.0657	.0635	.0618	.0709	.0681	.0659	.0641
.380	1.04	.975	.164	7.70	.0563	.0533	.0511	.0493	.0587	.0558	.0535	.0517
.420	-.38	1.000	0.000	8.57	.0477	.0442	.0415	.0393	.0493	.0469	.0441	.0420

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.0 99.6 212.5 21.2 45.0 99.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.77	.946	.196	7.84	.0793	.0754	.0731	.0713	.0804	.0779	.0756	.0738
.340	1.64	.973	.181	8.03	.0628	.0598	.0574	.0555	.0653	.0623	.0599	.0580
.380	1.66	.970	.015	8.12	.0514	.0483	.0458	.0439	.0540	.0508	.0484	.0464

LP/V(1/3) = 9.0 LP (FT) = 22.5 46.5 104.4 225.0 22.5 46.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.44	.959	.074	8.29	.0786	.0675	.0651	.0631	.0732	.0701	.0677	.0657
.340	1.50	.968	0.000	8.65	.0571	.0538	.0512	.0492	.0596	.0565	.0539	.0519
.380	1.50	.971	0.000	8.91	.0465	.0432	.0406	.0386	.0491	.0459	.0433	.0413

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.17	.950	0.000	8.98	.0633	.0599	.0573	.0551	.0661	.0627	.0591	.0568
.340	1.28	.967	0.000	9.38	.0511	.0475	.0447	.0425	.0541	.0505	.0476	.0454
.380	1.35	.974	0.000	9.82	.0419	.0385	.0359	.0338	.0446	.0417	.0394	.0366

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.9 116.0 249.9 25.0 53.9 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	1.94	.945	0.000	9.94	.0575	.0537	.0508	.0485	.0606	.0568	.0530	.0516
.340	1.12	.971	0.000	10.14	.0466	.0428	.0399	.0376	.0498	.0460	.0429	.0405
.380	1.24	.978	0.000	9.95	.0379	.0345	.0319	.0298	.0407	.0373	.0347	.0326

RESISTANCE DATA SERIES 65-A MODEL 42A4

LP/DPX = 6.64

DEADRISE ANGLE = 30.4 DEG

FNU = 1.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 37.0 75.4 162.5 16.2 37.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	5.49	.916	.619	6.31	.1272	.1240	.1214	.1194	.1360	.1269	.1247	.1222
.340	3.75	.970	.604	6.44	.1030	.1006	.0980	.0960	.1067	.1034	.1009	.0989
.380	2.20	.984	.609	6.70	.0981	.0948	.0922	.0902	.0911	.0878	.0852	.0832
.420	.81	.993	1.000	7.00	.0785	.0751	.0726	.0703	.0816	.0782	.0756	.0735

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 75.4 175.0 17.5 37.7 75.4 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.93	.943	.552	6.91	.1117	.1082	.1054	.1032	.1148	.1113	.1085	.1063
.340	3.15	.970	.563	6.92	.0934	.0904	.0877	.0855	.0971	.0936	.0908	.0886
.380	1.82	.980	.563	7.64	.0795	.0759	.0729	.0706	.0830	.0793	.0763	.0740
.420	.50	.989	1.000	7.50	.0714	.0677	.0648	.0624	.0750	.0713	.0683	.0660

LP/V(1/3) = 7.5

LP (FT) = 19.7 40.4 87.0 187.5 19.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.87	.930	.465	7.32	.1003	.0966	.0937	.0913	.1026	.0989	.0959	.0936
.340	2.60	.971	.490	7.60	.0851	.0813	.0784	.0760	.0874	.0837	.0807	.0784
.380	1.50	.980	.542	7.51	.0742	.0705	.0675	.0652	.0776	.0739	.0709	.0686
.420	.30	.987	.495	7.32	.0670	.0633	.0603	.0580	.0703	.0665	.0636	.0613

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.34	.940	.369	7.05	.0920	.0881	.0850	.0825	.0935	.0896	.0865	.0840
.340	2.21	.975	.427	7.80	.0784	.0749	.0717	.0693	.0823	.0784	.0753	.0729
.380	1.21	.976	.429	7.55	.0694	.0659	.0623	.0599	.0727	.0688	.0657	.0633
.420	0.00	.980	0.000	7.30	.0621	.0581	.0550	.0525	.0654	.0614	.0583	.0559

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.00	.955	.232	8.12	.0876	.0837	.0804	.0778	.0895	.0853	.0821	.0795
.340	1.93	.973	.129	8.17	.0739	.0697	.0663	.0637	.0775	.0733	.0700	.0674
.380	1.00	.970	.038	7.95	.0643	.0601	.0568	.0542	.0679	.0637	.0604	.0577
.420	-.04	.966	0.000	7.56	.0549	.0509	.0476	.0451	.0583	.0542	.0509	.0482

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.61	.954	.089	8.35	.0822	.0779	.0745	.0719	.0860	.0816	.0782	.0755
.340	1.69	.967	0.000	8.60	.0689	.0644	.0600	.0580	.0729	.0682	.0647	.0619
.380	.83	.960	0.000	8.47	.0597	.0552	.0516	.0488	.0635	.0589	.0554	.0526
.420	-.14	.967	.035	7.45	.0567	.0527	.0496	.0471	.0601	.0561	.0530	.0505

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.33	.946	0.000	8.82	.0772	.0726	.0690	.0661	.0812	.0766	.0729	.0700
.340	1.50	.963	0.000	9.23	.0645	.0599	.0550	.0527	.0677	.0630	.0599	.0569
.380	.71	.971	0.000	9.00	.0562	.0515	.0470	.0448	.0603	.0555	.0519	.0488
.420	-.21	.966	.109	7.51	.0556	.0517	.0487	.0464	.0589	.0551	.0521	.0497

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.09	.937	0.000	9.50	.0704	.0657	.0618	.0587	.0751	.0701	.0661	.0630
.340	1.33	.963	0.000	10.83	.0593	.0541	.0499	.0466	.0629	.0584	.0544	.0511
.380	.59	.977	0.000	9.54	.0521	.0471	.0432	.0401	.0564	.0514	.0474	.0444
.420	-.37	.968	.162	8.97	.0529	.0484	.0447	.0415	.0548	.0506	.0469	.0437

RESISTANCE DATA STRIPS 65-9 MODEL 5708

LP/RY = 6.44

DEPARTURE ANGLE = 70.4 DEG

FW = 1.79

HEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1700 10700 107000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 75.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.61	.088	.605	6.17	.1359	.1317	.1284	.1257	.1396	.1354	.1322	.1295
.340	3.73	.071	.697	6.68	.1115	.1071	.1037	.1009	.1155	.1111	.1077	.1049
.380	2.33	.074	.870	6.86	.0931	.0937	.0902	.0874	.1023	.0979	.0944	.0916
.420	.97	.948	1.000	6.99	.0891	.0836	.0801	.0773	.0923	.0879	.0844	.0816

LP/V(1/3) = 7.0 LP (FT) = 17.4 37.7 41.2 175.0 17.5 37.7 41.2 175.0

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.50	.929	.579	6.89	.1182	.1136	.1100	.1071	.1224	.1178	.1142	.1113
.340	3.15	.966	.612	7.04	.1020	.0973	.0937	.0904	.1063	.1016	.0980	.0951
.380	1.92	.979	.947	7.73	.0893	.0864	.0835	.0874	.0940	.0911	.0883	.0852
.420	.71	.944	1.000	8.01	.0819	.0764	.0729	.0697	.0868	.0817	.0778	.0746

LP/V(1/3) = 7.5 LP (FT) = 18.7 48.4 47.0 187.5 18.7 48.4 47.0 187.5

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.91	.914	.502	7.34	.1082	.1033	.0995	.0964	.1127	.1079	.1040	.1009
.340	2.70	.969	.553	7.63	.0945	.0895	.0856	.0824	.0992	.0942	.0902	.0871
.380	1.50	.940	.627	7.67	.0832	.0782	.0743	.0712	.0879	.0829	.0789	.0759
.420	.50	.945	.444	7.18	.0763	.0735	.0698	.0668	.0827	.0779	.0742	.0712

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.42	.924	.424	8.86	.1006	.0967	.0910	.0876	.1055	.1001	.0959	.0926
.340	2.31	.973	.366	8.93	.0884	.0831	.0789	.0755	.0933	.0880	.0838	.0805
.380	1.33	.976	.249	7.30	.0790	.0760	.0709	.0670	.0843	.0793	.0754	.0723
.420	.33	.982	.041	6.42	.0754	.0704	.0674	.0645	.0793	.0748	.0712	.0684

LP/V(1/3) = 8.5 LP (FT) = 21.7 45.4 94.6 212.5 21.7 45.8 94.6 212.5

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.00	.946	.296	9.07	.0941	.0882	.0836	.0798	.0995	.0936	.0890	.0853
.340	2.01	.971	.156	8.41	.0829	.0772	.0727	.0691	.0889	.0821	.0778	.0742
.380	1.13	.972	.035	7.56	.0756	.0704	.0662	.0629	.0843	.0789	.0749	.0716
.420	.14	.981	0.000	6.51	.0714	.0672	.0636	.0607	.0750	.0712	.0674	.0647

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.66	.945	.146	9.24	.0885	.0822	.0772	.0733	.0941	.0878	.0829	.0790
.340	1.77	.966	.012	8.45	.0786	.0724	.0676	.0630	.0840	.0778	.0730	.0692
.380	.95	.970	0.000	8.06	.0722	.0666	.0621	.0586	.0772	.0715	.0670	.0635
.420	-.01	.955	.019	6.88	.0687	.0640	.0603	.0573	.0729	.0682	.0645	.0615

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.37	.938	.031	9.45	.0835	.0769	.0718	.0677	.0893	.0828	.0776	.0735
.340	1.57	.963	0.000	9.40	.0742	.0676	.0625	.0584	.0799	.0734	.0682	.0641
.380	.80	.973	0.000	9.76	.0689	.0619	.0571	.0533	.0734	.0673	.0625	.0587
.420	-.14	.985	.045	7.25	.0651	.0602	.0564	.0536	.0699	.0647	.0600	.0570

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.0 116.0 249.0 25.0 53.0 116.0 249.0

LOG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.13	.932	0.000	10.00	.0794	.0725	.0671	.0627	.0855	.0786	.0732	.0690
.340	1.41	.964	0.000	10.11	.0707	.0637	.0582	.0539	.0769	.0699	.0644	.0600
.380	.70	.979	0.000	9.52	.0649	.0584	.0532	.0492	.0707	.0642	.0591	.0550
.420	-.22	.988	.127	7.37	.0627	.0579	.0540	.0510	.0673	.0624	.0586	.0555

RESISTANCE DATA SERIES 65-9 MODEL 5204

L/D MAX = 8.64

DEADRISE ANGLE = 30.4 DEG

FNR = 2.00

WRIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.9 75.4 162.5 16.2 35.9 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	5.60	.069	.681	6.87	.1430	.1379	.1337	.1304	.1479	.1426	.1385	.1352
.340	3.70	.067	.640	6.59	.1209	.1152	.1108	.1077	.1261	.1205	.1161	.1126
.380	2.30	.074	.796	6.75	.1079	.1023	.0979	.0944	.1133	.1077	.1033	.0999
.420	1.00	.082	1.000	7.13	.0995	.0937	.0892	.0855	.1052	.0994	.0949	.0912
.460	-.30	1.000	.924	8.31	.0999	.0930	.0877	.0834	.1065	.0997	.0943	.0900

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	4.50	.013	.575	6.87	.1274	.1216	.1170	.1133	.1329	.1271	.1225	.1188
.340	3.16	.064	.554	7.12	.1127	.1061	.1014	.0976	.1179	.1118	.1071	.1033
.380	1.95	.077	.934	7.69	.1004	.0944	.0897	.0859	.1079	.1008	.0959	.0920
.420	.80	.083	.887	8.26	.0933	.0866	.0814	.0771	.0999	.0933	.0880	.0837
.460	-.43	1.000	0.900	8.50	.0886	.0822	.0769	.0722	.0954	.0880	.0827	.0783

LP/V(1/3) = 7.5 LP (FT) = 14.7 40.4 87.8 187.5 14.7 40.4 87.8 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.89	.084	.492	7.43	.1141	.1114	.1069	.1029	.1241	.1179	.1129	.1089
.340	2.71	.069	.542	7.70	.1059	.0995	.0939	.0893	.1113	.1040	.0987	.0956
.380	1.63	.076	.611	7.85	.0951	.0887	.0836	.0796	.1014	.0950	.0899	.0858
.420	.59	.080	.457	7.54	.0897	.0829	.0779	.0739	.0953	.0889	.0839	.0799

LP/V(1/3) = 8.0 LP (FT) = 20.9 43.1 92.8 200.0 20.9 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.42	.013	.417	8.14	.1111	.1047	.0988	.0944	.1177	.1107	.1053	.1009
.340	2.74	.068	.440	8.18	.0995	.0926	.0872	.0828	.1060	.0991	.0937	.0894
.380	1.36	.074	.294	7.40	.0904	.0840	.0790	.0754	.0964	.0900	.0850	.0810
.420	.43	.080	.196	6.71	.0863	.0800	.0754	.0717	.0913	.0854	.0807	.0770

LP/V(1/3) = 8.4 LP (FT) = 21.2 45.9 94.6 212.5 21.2 45.9 94.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.09	.022	.339	9.74	.1060	.0994	.0923	.0875	.1132	.1056	.0996	.0948
.340	2.07	.064	.183	8.40	.0941	.0869	.0812	.0767	.1009	.0936	.0879	.0834
.380	1.14	.072	.040	7.71	.0859	.0794	.0744	.0703	.0918	.0857	.0802	.0762
.420	.26	.079	0.000	6.57	.0825	.0766	.0720	.0683	.0878	.0819	.0773	.0736

LP/V(1/3) = 9.0 LP (FT) = 22.5 44.5 104.4 225.0 22.5 44.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.77	.022	.209	9.93	.1006	.0925	.0861	.0810	.1042	.0961	.0907	.0866
.340	1.81	.061	.020	8.67	.0895	.0819	.0759	.0712	.0944	.0865	.0812	.0761
.380	.97	.072	0.000	7.57	.0826	.0753	.0705	.0663	.0886	.0819	.0765	.0723
.420	.15	.079	0.000	6.86	.0802	.0742	.0694	.0656	.0857	.0797	.0749	.0711

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.48	.018	.044	9.80	.0980	.0865	.0799	.0745	.1028	.0944	.0877	.0824
.340	1.60	.060	0.000	9.11	.0852	.0771	.0708	.0657	.0925	.0846	.0781	.0730
.380	.81	.076	0.000	8.20	.0795	.0723	.0665	.0620	.0861	.0788	.0731	.0685
.420	0.00	.078	.036	7.28	.0779	.0716	.0667	.0627	.0837	.0774	.0725	.0685

LP/V(1/3) = 10.0 LP (FT) = 24.9 53.4 116.8 249.9 24.9 53.4 116.8 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.23	.017	.006	10.17	.0902	.0814	.0744	.0688	.0943	.0855	.0805	.0770
.340	1.47	.064	0.000	9.47	.0814	.0731	.0663	.0609	.0846	.0769	.0712	.0669
.380	.69	.082	0.000	9.07	.0770	.0691	.0624	.0574	.0813	.0744	.0702	.0652
.420	-.06	.076	.064	7.71	.0756	.0690	.0639	.0590	.0814	.0752	.0700	.0654

RESISTANCE DATA SERIES 65-B MODEL 9208

LP/PPH = 6.64

DEADWIRE ANGLE = 30.4 DEG

FNU = 2.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.8 75.4 162.5 16.2 35.8 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.80	.801	.558	5.85	.1667	.1591	.1530	.1492	.1740	.1664	.1603	.1552
.340	3.81	.950	.692	6.89	.1423	.1348	.1285	.1222	.1505	.1429	.1367	.1305
.380	2.11	.977	.946	6.77	.1385	.1222	.1157	.1105	.1389	.1307	.1242	.1189
.420	.95	.997	.849	7.18	.1264	.1176	.1106	.1050	.1354	.1266	.1196	.1140
.460	-.30	.996	0.000	7.86	.1103	.1176	.1077	.1099	.1401	.1274	.1176	.1096

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	6.80	.844	.547	6.59	.1493	.1409	.1362	.1289	.1575	.1491	.1424	.1371
.340	3.17	.958	.604	7.10	.1356	.1267	.1197	.1140	.1444	.1356	.1285	.1229
.380	1.91	.980	.962	7.78	.1254	.1161	.1087	.1028	.1351	.1258	.1184	.1125
.420	.83	.982	.878	7.75	.1210	.1116	.1041	.0981	.1307	.1213	.1138	.1078
.460	-.76	1.000	0.000	8.10	.1253	.1165	.1062	.0997	.1329	.1221	.1138	.1073

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.94	.871	.460	7.30	.1397	.1299	.1226	.1167	.1484	.1390	.1317	.1258
.340	2.67	.968	.630	8.09	.1283	.1183	.1105	.1042	.1384	.1284	.1206	.1143
.380	1.60	.974	.955	8.65	.1219	.1117	.1036	.0971	.1328	.1225	.1144	.1079
.420	.73	.974	.757	8.29	.1192	.1092	.1012	.0949	.1285	.1185	.1116	.1052
.460	-.46	1.000	0.000	5.50	.1151	.1087	.0999	.0916	.1220	.1177	.0969	.0886

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.32	.984	.364	8.19	.1323	.1219	.1136	.1070	.1425	.1329	.1238	.1172
.340	2.31	.962	.482	8.60	.1241	.1139	.1051	.0983	.1348	.1242	.1150	.1080
.380	1.90	.970	.591	8.66	.1196	.1092	.1010	.0943	.1303	.1199	.1117	.1050
.420	.58	.974	.488	7.91	.1179	.1080	.1002	.0940	.1279	.1179	.1101	.1038

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.00	.989	.149	8.74	.1297	.1183	.1093	.1021	.1406	.1292	.1202	.1130
.340	2.02	.957	.163	8.51	.1210	.1100	.1013	.0944	.1316	.1205	.1120	.1050
.380	1.23	.971	.169	8.89	.1164	.1062	.0980	.0914	.1267	.1161	.1081	.1015
.420	.43	.978	.097	7.67	.1162	.1062	.0984	.0921	.1258	.1150	.1079	.1016

LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.64	.989	0.000	8.93	.1256	.1137	.1042	.0967	.1368	.1248	.1154	.1079
.340	1.78	.957	0.000	8.50	.1177	.1063	.0974	.0903	.1283	.1169	.1080	.1009
.380	1.06	.976	0.000	8.12	.1139	.1031	.0946	.0878	.1240	.1132	.1048	.0980
.420	.30	.981	0.000	8.07	.1144	.1038	.0955	.0889	.1244	.1138	.1055	.0989

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.36	.910	0.000	9.12	.1217	.1093	.0999	.0917	.1331	.1207	.1109	.1031
.340	1.60	.959	0.000	8.88	.1146	.1027	.0933	.0858	.1257	.1138	.1044	.0969
.380	.94	.981	0.000	8.66	.1113	.0999	.0908	.0836	.1222	.1107	.1016	.0944
.420	.19	.981	0.000	8.62	.1123	.1010	.0922	.0851	.1230	.1114	.1029	.0959

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.8 249.9 25.0 53.8 116.8 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.14	.912	0.000	9.60	.1181	.1052	.0950	.0869	.1301	.1172	.1070	.0989
.340	1.50	.961	0.000	9.65	.1122	.0994	.0893	.0812	.1242	.1114	.1013	.0933
.380	.84	.986	0.000	9.51	.1090	.0965	.0864	.0789	.1208	.1084	.0986	.0905
.420	.11	.979	0.000	9.08	.1100	.0983	.0881	.0818	.1214	.1097	.1005	.0931

RESISTANCE DATA SERIES 6A-9 MODEL 9204

LP/SPX = 6.44

DEADWISE ANGLE = 79.4 DEG

FNV = 4.00

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100300 1008000 1000 10000 101000 1000000

LP/V(1/3) = 6.4 LP (FT) = 16.7 75.8 75.4 162.5 16.2 75.8 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	7.26	.658	.401	5.12	.1912	.1916	.1760	.1679	.2094	.1988	.1937	.1771
.340	4.50	.920	.617	6.44	.1729	.1615	.1525	.1457	.1945	.1731	.1661	.1568
.380	2.54	.976	.892	7.16	.1627	.1506	.1409	.1332	.1756	.1634	.1538	.1460
.420	.61	.997	.640	7.29	.1629	.1501	.1401	.1319	.1760	.1639	.1532	.1451

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 41.2 175.0 17.5 37.7 41.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	6.54	.664	.477	5.37	.1942	.1807	.1604	.1541	.2078	.1979	.1900	.1837
.340	4.25	.915	.576	7.07	.1740	.1640	.1460	.1401	.1909	.1795	.1687	.1609
.380	2.73	1.000	.783	7.85	.1717	.1595	.1480	.1395	.1854	.1726	.1621	.1535
.420	1.50	1.000	1.000	8.44	.1674	.1536	.1476	.1338	.1725	.1649	.1574	.1490
.460	-.10	1.000	0.000	9.09	.1671	.1535	.1465	.1392	.1727	.1661	.1571	.1498

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 47.0 187.5 18.7 40.4 47.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	4.82	.766	.468	6.66	.1744	.1624	.1530	.1454	.1864	.1744	.1649	.1574
.340	3.14	.962	.561	7.89	.1562	.1527	.1419	.1333	.1804	.1669	.1561	.1475
.380	1.89	.994	.906	9.21	.1508	.1449	.1329	.1233	.1767	.1614	.1494	.1398
.420	.75	.991	.975	9.89	.1488	.1459	.1341	.1246	.1771	.1623	.1504	.1410
.460	-.41	1.000	0.000	10.20	.1429	.1316	.1229	.1161	.1704	.1591	.1475	.1367

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 42.8 200.0 20.0 43.1 42.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.67	.839	.452	7.00	.1619	.1481	.1373	.1286	.1750	.1621	.1513	.1424
.340	2.62	.967	.678	8.03	.1555	.1484	.1284	.1180	.1719	.1567	.1447	.1350
.380	1.50	.967	.820	9.52	.1526	.1368	.1244	.1144	.1696	.1539	.1415	.1315
.420	.60	.974	.552	8.61	.1561	.1415	.1299	.1206	.1715	.1579	.1454	.1361

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 49.6 212.5 21.2 45.8 49.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.12	.858	.451	6.70	.1617	.1459	.1340	.1244	.1756	.1616	.1497	.1401
.340	2.10	.948	.623	8.09	.1544	.1393	.1269	.1170	.1712	.1556	.1433	.1333
.380	1.10	.973	.827	8.86	.1525	.1372	.1250	.1152	.1684	.1531	.1410	.1312
.420	.49	.995	.149	7.96	.1566	.1424	.1312	.1222	.1709	.1568	.1455	.1365

LP/V(1/3) = 9.0 LP (FT) = 22.4 48.5 48.4 225.0 22.4 48.5 48.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.74	.864	.318	9.04	.1680	.1450	.1325	.1225	.1771	.1613	.1488	.1387
.340	1.83	.945	.863	8.74	.1536	.1370	.1254	.1154	.1693	.1536	.1411	.1311
.380	1.11	.993	0.000	8.23	.1514	.1362	.1242	.1146	.1662	.1510	.1390	.1294
.420	.37	.998	0.000	7.59	.1568	.1420	.1317	.1229	.1705	.1564	.1454	.1365

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.42	.875	.873	9.03	.1597	.1434	.1305	.1201	.1759	.1596	.1467	.1364
.340	1.61	.955	0.000	8.66	.1521	.1358	.1229	.1127	.1676	.1513	.1384	.1281
.380	.94	.991	0.000	8.13	.1506	.1349	.1226	.1127	.1642	.1485	.1372	.1274
.420	.24	.989	0.000	7.66	.1570	.1437	.1325	.1236	.1716	.1575	.1463	.1374

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.15	.891	0.000	9.20	.1547	.1374	.1230	.1129	.1714	.1541	.1405	.1296
.340	1.50	.959	0.000	9.10	.1482	.1300	.1171	.1061	.1648	.1473	.1336	.1226
.380	.84	.996	0.000	8.00	.1468	.1300	.1160	.1062	.1628	.1460	.1320	.1222
.420	.15	.985	0.000	8.31	.1543	.1393	.1275	.1179	.1693	.1543	.1424	.1329

RESISTANCE DATA					SERIES 55-B		MODEL 529A					
LP/VPX = 6.44					HEARISE ANGLE = 39.4 DEG				FNV = 3.59			
WEIGHT = LIFT (LB. SEAMATER) = 100' 10000 100000 1000000 1000 10000 100000 1000000												
LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 19.7 40.4 87.0 187.5												
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.300	7.19	.405	.438	6.59	.1667	.1511	.1384	.1289	.1828	.1673	.1549	.1450
.340	7.04	.466	.529	7.07	.1677	.1500	.1360	.1246	.1872	.1695	.1555	.1441
.380	.28	.544	.556	7.40	.1681	.1525	.1386	.1274	.1882	.1705	.1567	.1456
LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 21.0 43.1 92.8 200.0												
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.300	4.65	.718	.418	6.80	.2095	.1893	.1765	.1652	.2271	.2059	.1921	.1829
.340	3.12	.910	.477	8.34	.2096	.1906	.1755	.1631	.2269	.2110	.1959	.1837
.380	2.37	1.000	.757	9.82	.2117	.1909	.1730	.1593	.2253	.2142	.1970	.1833
.420	1.37	1.000	.944	10.87	.2163	.1939	.1760	.1616	.2272	.2190	.2019	.1875
.460	0.00	1.000	1.000	11.07	.2201	.2208	.2133	.2009	.2291	.2295	.2231	.2207
LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5												
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.300	3.41	.773	.798	8.10	.1979	.1789	.1640	.1520	.2176	.1984	.1838	.1718
.340	2.54	.908	.579	9.49	.2011	.1830	.1631	.1495	.2244	.2032	.1864	.1728
.380	1.66	.973	.663	10.16	.2037	.1812	.1635	.1494	.2291	.2069	.1894	.1742
.420	.72	1.000	.495	9.42	.2117	.1928	.1762	.1628	.2347	.2154	.1982	.1858
LP/V(1/3) = 9.0 LP (FT) = 22.5 48.5 106.4 225.0 22.5 48.5 106.4 225.0												
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.300	3.00	.793	.761	9.07	.2010	.1801	.1636	.1503	.2271	.2022	.1867	.1724
.340	2.13	.936	.427	9.88	.2006	.1785	.1599	.1467	.2245	.2027	.1851	.1709
.380	1.34	.978	.410	9.43	.2031	.1810	.1634	.1492	.2274	.2053	.1877	.1735
.420	.45	1.000	.221	8.81	.2147	.1941	.1742	.1653	.2354	.2157	.1997	.1869
LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4												
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.300	2.69	.804	.273	9.49	.2019	.1798	.1623	.1483	.2250	.2030	.1866	.1715
.340	1.86	.925	.280	9.96	.1982	.1753	.1572	.1426	.2225	.1997	.1816	.1678
.380	1.13	.993	.133	9.74	.1991	.1768	.1590	.1447	.2279	.2005	.1829	.1686
.420	.48	1.000	.045	8.68	.2109	.1898	.1737	.1600	.2312	.2110	.1950	.1821
LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9												
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LB	LB	V(2/3)								
.300	2.41	.833	.127	9.81	.2010	.1780	.1597	.1450	.2251	.2028	.1834	.1691
.340	1.64	.956	.027	10.22	.1982	.1762	.1512	.1360	.2192	.1952	.1767	.1610
.380	.96	1.000	0.000	9.94	.1984	.1712	.1527	.1379	.2188	.1955	.1770	.1622
.420	.24	1.000	0.000	8.83	.2069	.1861	.1697	.1565	.2244	.2077	.1913	.1781

RESISTANCE DATA

SERIES 65-B

MODEL 5208

LP/DPX = 6.64

DEADRISE ANGLE = 30.4 DEG

FNU = 4.00

WEIGHT = LIFT (LP, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.7 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.27	.789	.402	7.09	.1974	.1766	.1597	.1451	.2205	.1902	.1826	.1688
.340	2.29	.855	.654	8.25	.2077	.1842	.1655	.1504	.2341	.2106	.1919	.1768
.380	.56	.879	.517	8.72	.2410	.2157	.1957	.1795	.2688	.2436	.2235	.2074

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.92	.739	.374	7.50	.2295	.2072	.1894	.1750	.2536	.2312	.2133	.1990
.340	3.00	.898	.439	8.95	.2439	.2191	.1976	.1810	.2726	.2469	.2262	.2097
.380	2.28	.979	.688	9.97	.2555	.2279	.2056	.1877	.2874	.2596	.2375	.2196
.420	1.24	1.000	.667	10.46	.2774	.2486	.2257	.2072	.3108	.2821	.2592	.2406
.460	-.35	1.000	0.000	7.15	.3300	.2856	.2563	.2310	.3528	.3284	.3092	.2939

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.10	.773	.364	8.44	.2251	.2001	.1803	.1644	.2521	.2271	.2073	.1913
.340	2.30	.882	.415	9.53	.2385	.2111	.1894	.1718	.2689	.2416	.2199	.2023
.380	1.59	.957	.483	9.93	.2537	.2257	.2033	.1853	.2855	.2574	.2351	.2170
.420	.30	.979	.152	8.00	.2834	.2595	.2406	.2253	.3197	.2954	.2764	.2512

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.52	.784	.272	9.04	.2106	.1819	.1706	.1535	.2475	.2208	.1995	.1824
.340	1.69	.898	.249	9.65	.2299	.2019	.1795	.1615	.2687	.2396	.2183	.1923
.380	.88	.957	.162	8.90	.2455	.2195	.1988	.1821	.2740	.2488	.2273	.2106
.420	-.20	.991	0.000	5.48	.2730	.2560	.2426	.2318	.2985	.2785	.2601	.2493

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.26	.803	.168	9.68	.2186	.1900	.1673	.1490	.2493	.2207	.1989	.1797
.340	1.50	.913	.121	10.05	.2335	.1940	.1705	.1516	.2557	.2261	.2027	.1837
.380	.65	.965	.056	9.07	.2369	.2100	.1888	.1717	.2658	.2391	.2178	.2007
.420	-.16	.903	0.000	6.09	.2640	.2455	.2309	.2191	.2834	.2650	.2503	.2385

RESISTANCE DATA

SERIES 65-9

MODFL 523A

LP/DPX = 9.39

DEADWISE ANGLE = 70.4 DEG

FNU = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.4 200.0 20.0 43.1 92.4 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.76	.975	.551	6.79	.0540	.0524	.0511	.0501	.0558	.0527	.0525	.0514
.340	1.51	.988	.624	6.97	.0427	.0411	.0398	.0388	.0441	.0425	.0412	.0402
.380	.42	.996	.831	7.27	.0354	.0337	.0324	.0314	.0369	.0352	.0339	.0329
.420	-.37	1.000	1.000	7.63	.0337	.0320	.0307	.0297	.0353	.0336	.0322	.0312

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.32	.980	.495	7.30	.0494	.0467	.0453	.0442	.0499	.0481	.0468	.0457
.340	1.24	.983	.556	7.31	.0399	.0382	.0368	.0359	.0413	.0396	.0383	.0372
.380	.35	.989	.658	7.74	.0357	.0340	.0327	.0316	.0372	.0355	.0342	.0331
.420	-.33	1.000	.783	7.65	.0351	.0334	.0321	.0311	.0366	.0349	.0336	.0325

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.03	.980	.442	7.67	.0461	.0443	.0429	.0418	.0477	.0459	.0444	.0433
.340	1.14	.976	.463	7.50	.0409	.0392	.0378	.0367	.0424	.0407	.0393	.0382
.380	.35	.983	.467	7.77	.0362	.0345	.0331	.0320	.0377	.0359	.0346	.0335
.420	-.42	1.000	.462	7.40	.0307	.0290	.0276	.0266	.0322	.0305	.0291	.0280

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.85	.976	.371	7.96	.0494	.0465	.0450	.0439	.0500	.0481	.0466	.0455
.340	1.07	.974	.363	7.75	.0440	.0422	.0407	.0396	.0456	.0437	.0423	.0412
.380	.33	.981	.342	7.64	.0367	.0349	.0334	.0323	.0382	.0364	.0350	.0338
.420	-.49	1.000	.303	7.79	.0224	.0205	.0191	.0179	.0239	.0221	.0206	.0195

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.4 116.0 249.9 25.0 53.4 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.67	.970	.293	8.32	.0493	.0473	.0458	.0446	.0510	.0490	.0475	.0462
.340	.97	.974	.270	8.13	.0446	.0426	.0411	.0399	.0462	.0443	.0427	.0415
.380	.28	.982	.249	7.92	.0350	.0331	.0317	.0305	.0366	.0347	.0333	.0321

RESISTANCE DATA

SERIES 65-B

MODEL 523A

LP/RPX = 9.39

HEADRISE ANGLE = 30.4 DEG

FNW = 1.25

WEIGHT = LIFT (LB, SEAWATER) = 1001 10000 100000 1000000 10000000 100000000 1000000000

LP/V(1/3) = 5.0

LP (FT) = 20.0 43.1 92.8 200.0

20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.43	.969	.567	6.87	.0857	.0829	.0810	.0795	.0875	.0851	.0831	.0816
.340	2.11	.945	.591	7.10	.0896	.0871	.0851	.0836	.0918	.0893	.0874	.0858
.380	.91	.942	.661	7.37	.0951	.0926	.0906	.0890	.0974	.0949	.0929	.0913
.420	-.15	1.000	1.000	7.47	.0400	.0456	.0436	.0420	.0504	.0479	.0459	.0444

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5

21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.00	.969	.515	7.32	.0807	.0781	.0761	.0744	.0829	.0804	.0783	.0767
.340	1.72	.985	.531	7.29	.0624	.0598	.0578	.0562	.0647	.0621	.0601	.0585
.380	.65	.988	.746	7.73	.0500	.0474	.0453	.0437	.0524	.0498	.0477	.0461
.420	-.26	1.000	1.000	8.89	.0434	.0405	.0383	.0364	.0462	.0433	.0410	.0392

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0

22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.49	.979	.433	7.70	.0712	.0685	.0664	.0647	.0736	.0709	.0688	.0671
.340	1.50	.943	.452	7.60	.0574	.0547	.0526	.0510	.0598	.0571	.0550	.0533
.380	.51	.944	.584	7.05	.0463	.0435	.0414	.0397	.0488	.0460	.0439	.0422
.420	-.35	1.000	.844	9.05	.0397	.0367	.0344	.0325	.0426	.0396	.0372	.0353

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4

23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.13	.978	.377	8.05	.0654	.0626	.0604	.0588	.0679	.0651	.0629	.0611
.340	1.25	.979	.375	7.91	.0539	.0512	.0490	.0473	.0564	.0536	.0515	.0497
.380	.44	.942	.368	7.90	.0450	.0422	.0400	.0383	.0474	.0447	.0425	.0408
.420	-.43	1.000	.352	8.29	.0371	.0342	.0320	.0302	.0397	.0369	.0346	.0327

LP/V(1/3) = 10.0

LP (FT) = 25.1 53.8 116.0 249.9

25.1 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.87	.972	.316	8.47	.0618	.0588	.0565	.0547	.0645	.0615	.0592	.0573
.340	1.12	.979	.280	8.27	.0528	.0499	.0476	.0458	.0554	.0525	.0502	.0484
.380	.49	.943	.201	7.90	.0441	.0413	.0391	.0373	.0466	.0438	.0416	.0398
.420	-.49	1.000	.022	7.30	.0331	.0304	.0283	.0266	.0354	.0327	.0306	.0289

RESISTANCE DATA

SERIES 65-A

MODEL 5274

LP/HPX = 9.79

DEADRISE ANGLE = 39.4 DEG

FNU = 1.50

WRIGHT = LIFT (L9, SEAWATER) = 1000 10000 100100 1004000 1000 10000 100100 1000000

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0 21.0 43.1 92.8 200.0							
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.54	.959	.571	6.93	.0947	.0913	.0887	.0866	.0977	.0944	.0918	.0897
.340	2.73	.993	.763	7.31	.0781	.0746	.0719	.0697	.0814	.0779	.0752	.0730
.380	1.24	.999	1.000	7.84	.0674	.0637	.0609	.0586	.0709	.0673	.0644	.0621
.420	.23	.997	1.000	7.62	.0606	.0570	.0543	.0520	.0649	.0605	.0577	.0555

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5							
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.00	.968	.522	7.34	.0959	.0923	.0895	.0872	.0989	.0955	.0928	.0905
.340	1.94	.983	.581	7.43	.0728	.0692	.0664	.0641	.0761	.0726	.0697	.0675
.380	1.02	.992	.721	7.82	.0636	.0600	.0572	.0549	.0670	.0634	.0606	.0583
.420	0.07	.995	1.000	8.18	.0559	.0513	.0483	.0460	.0587	.0550	.0520	.0496

LP/V(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0							
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.59	.976	.448	7.75	.0795	.0757	.0728	.0704	.0830	.0792	.0762	.0739
.340	1.66	.982	.453	7.58	.0681	.0644	.0615	.0592	.0715	.0678	.0650	.0626
.380	.95	.978	.527	7.65	.0595	.0558	.0529	.0506	.0629	.0593	.0564	.0541
.420	-.05	.994	.740	8.37	.0515	.0466	.0435	.0410	.0542	.0503	.0473	.0448

LP/V(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4							
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.27	.975	.385	8.12	.0751	.0712	.0681	.0656	.0788	.0749	.0718	.0693
.340	1.50	.979	.376	7.93	.0657	.0619	.0588	.0564	.0693	.0654	.0624	.0600
.380	.73	.979	.371	7.83	.0573	.0535	.0505	.0481	.0608	.0570	.0540	.0516
.420	-.12	.996	.379	8.09	.0487	.0448	.0417	.0393	.0523	.0484	.0454	.0429

LP/V(1/3) = 10.0					LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9							
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.00	.970	.327	8.56	.0709	.0668	.0635	.0609	.0748	.0706	.0674	.0648
.340	1.29	.979	.292	8.36	.0619	.0579	.0547	.0521	.0657	.0616	.0584	.0559
.380	.62	.982	.225	8.02	.0546	.0507	.0476	.0451	.0582	.0543	.0512	.0487
.420	-.20	.994	.078	7.50	.0479	.0433	.0403	.0379	.0504	.0466	.0437	.0413

RESISTANCE DATA

SERIES 65-9

MODEL 5238

LP/MPX = 9.39

DEADRISE ANGLE = 30.4 DEG

FNU = 1.75

WRIGHT = LIFT (L₉, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.0 LP (FT) = 20.0 47.1 92.8 200.0 20.0 47.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.61	.948	.588	6.79	.1027	.0983	.0948	.0921	.1068	.1025	.0990	.0962
.740	2.79	.951	.749	7.22	.0967	.0821	.0786	.0757	.0911	.0866	.0830	.0801
.380	1.32	.949	.976	7.79	.0773	.0725	.0688	.0657	.0821	.0773	.0735	.0705
.420	.27	.995	1.000	7.71	.0709	.0661	.0624	.0595	.0755	.0709	.0672	.0642

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	3.09	.959	.521	7.26	.0943	.0896	.0859	.0830	.0987	.0940	.0904	.0874
.340	2.02	.951	.578	7.41	.0826	.0779	.0742	.0712	.0871	.0824	.0787	.0757
.380	1.10	.979	.712	7.60	.0749	.0701	.0664	.0634	.0795	.0748	.0711	.0681
.420	.25	.989	.940	7.98	.0684	.0636	.0598	.0567	.0733	.0685	.0646	.0616

LP/V(1/3) = 8.0 LP (FT) = 22.5 44.5 104.4 225.0 22.5 44.5 104.4 225.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.65	.970	.447	7.74	.0856	.0806	.0767	.0736	.0903	.0854	.0815	.0783
.340	1.74	.978	.459	7.59	.0777	.0728	.0690	.0660	.0821	.0775	.0737	.0706
.380	.95	.975	.519	7.60	.0719	.0671	.0633	.0602	.0765	.0717	.0679	.0649
.420	.15	.988	.624	8.04	.0654	.0604	.0564	.0532	.0703	.0653	.0613	.0582

LP/V(1/3) = 9.5 LP (FT) = 23.7 51.2 119.2 237.4 23.7 51.2 119.2 237.4

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.29	.967	.398	9.13	.0811	.0769	.0719	.0686	.0861	.0809	.0768	.0736
.340	1.50	.975	.378	7.93	.0756	.0706	.0666	.0634	.0805	.0754	.0714	.0682
.380	.84	.976	.339	7.80	.0710	.0660	.0620	.0589	.0758	.0707	.0668	.0636
.420	0.00	.992	.246	7.94	.0674	.0624	.0583	.0550	.0676	.0625	.0584	.0551

LP/V(1/3) = 10.0 LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.300	2.03	.962	.341	8.57	.0791	.0726	.0683	.0649	.0833	.0779	.0736	.0701
.340	1.37	.975	.290	8.38	.0737	.0684	.0641	.0607	.0789	.0735	.0693	.0659
.380	.75	.989	.195	9.10	.0691	.0638	.0597	.0563	.0741	.0688	.0646	.0613
.420	-0.02	.990	0.000	7.69	.0606	.0554	.0513	.0480	.0653	.0601	.0560	.0528

RESISTANCE DATA SERIES 65-9 MODFL 5238

LP/DPX = 9.39

DEADRISE ANGLE = 39.4 DEG

FNV = 2.80

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0				LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.65	.938	.596	6.00	.1124	.1068	.1025	.0989	.1179	.1123	.1079	.1044
.340	2.42	.981	.754	7.27	.0960	.0902	.0856	.0820	.1019	.0961	.0915	.0878
.380	1.39	.999	.970	7.77	.0874	.0814	.0766	.0728	.0937	.0876	.0828	.0790
.420	.45	.994	1.000	7.66	.0815	.0756	.0710	.0672	.0877	.0818	.0771	.0733

LP/V(1/3) = 8.5				LP (FY) = 21.2 45.8 98.6 212.5				21.2 45.8 98.6 212.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.11	.952	.553	7.27	.1056	.0997	.0950	.0913	.1114	.1055	.1008	.0971
.340	2.03	.991	.617	7.46	.0934	.0874	.0827	.0789	.0993	.0934	.0886	.0848
.380	1.15	.991	.725	7.63	.0854	.0793	.0746	.0707	.0915	.0854	.0807	.0768
.420	.32	.997	.924	7.94	.0785	.0724	.0675	.0636	.0849	.0788	.0739	.0700

LP/V(1/3) = 9.0				LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.67	.962	.470	7.73	.0993	.0931	.0881	.0841	.1055	.0992	.0943	.0903
.340	1.74	.977	.481	7.60	.0890	.0829	.0780	.0741	.0951	.0889	.0841	.0802
.380	.96	.976	.525	7.62	.0817	.0756	.0707	.0669	.0879	.0817	.0768	.0729
.420	.22	.985	.615	7.99	.0752	.0689	.0639	.0599	.0816	.0753	.0703	.0662

LP/V(1/3) = 9.5				LP (FT) = 23.7 51.2 110.2 237.4				23.7 51.2 110.2 237.4				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.32	.969	.495	8.13	.0942	.0876	.0824	.0782	.1007	.0941	.0889	.0847
.340	1.40	.973	.391	7.93	.0858	.0793	.0743	.0702	.0921	.0857	.0806	.0765
.380	.83	.976	.347	7.80	.0801	.0737	.0687	.0646	.0864	.0799	.0749	.0709
.420	.16	.986	.256	7.87	.0751	.0686	.0635	.0593	.0814	.0749	.0697	.0656

LP/V(1/3) = 10.0				LP (FT) = 25.0				53.8				116.0				249.9				25.0				53.8				116.0				249.9			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0								RESISTANCE/LIFT FOR DCF=0.0004																						
LP	(DEG)	LO	LP	V(2/3)																															
.300	2.03	.955	.346	8.57	.0899	.0819	.0764	.0720					.0957	.0887	.0833	.0789																			
.340	1.34	.973	.291	8.37	.0830	.0762	.0708	.0665					.0897	.0829	.0775	.0732																			
.380	.75	.980	.183	8.10	.0787	.0720	.0667	.0624					.0852	.0784	.0731	.0689																			
.420	.10	.994	0.000	7.76	.0741	.0674	.0621	.0579					.0803	.0736	.0683	.0641																			

RESISTANCE DATA

SERIES 65-B

MODEL 523A

LP/APPX = 9.39

HEADRISE ANGLE = 39.4 DEG

FNV = 2.59

HEIGHT = LIFT (LR, SEAWATER) = 100' 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0

LP (FT) = 20.0 47.1 92.8 200.0 20.0 47.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.61	.920	.598	6.88	.1122	.123A	.1172	.111A	.140A	.1324	.125A	.1204
.340	2.45	.981	.782	7.4A	.1107	.111A	.113A	.09A1	.1200	.1202	.1131	.1075
.380	1.50	.944	.985	7.87	.1134	.1043	.0971	.0912	.1233	.1141	.1069	.1011
.420	.40	.975	1.000	7.84	.1067	.0977	.0905	.084A	.1165	.1075	.1003	.0946

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 94.6 212.5 21.2 45.8 94.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.15	.943	.570	7.41	.1262	.1172	.1101	.1044	.1354	.1265	.1194	.1137
.340	2.08	.942	.724	7.92	.1145	.1052	.097A	.091A	.1244	.1151	.1077	.1017
.380	1.17	.979	.883	8.19	.1079	.0984	.0909	.0848	.1181	.1086	.1011	.0950
.420	.35	.980	1.000	8.2A	.1062	.0967	.0892	.0831	.1165	.1071	.0996	.0935
.460	-.47	1.000	1.000	8.19	.109A	.1005	.0932	.0872	.1200	.110A	.1034	.0975

LP/V(1/3) = 9.0

LP (FT) = 22.5 44.5 104.4 225.0 22.5 44.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.81	.946	.52A	7.92	.1209	.1114	.103A	.097A	.130A	.1213	.1137	.1077
.340	1.80	.975	.591	8.05	.1135	.1010	.0934	.0873	.1206	.1110	.1034	.0973
.380	.97	.97A	.672	8.06	.1059	.0963	.0887	.0827	.1159	.1064	.098A	.0927
.420	.27	.944	.651	8.17	.1057	.0961	.0885	.0823	.1159	.1063	.0987	.0925
.460	-.36	1.000	.651	8.47	.1093	.0994	.0916	.0853	.119A	.1100	.1021	.0959

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.45	.939	.475	8.32	.1189	.108A	.1009	.0945	.1202	.1102	.1023	.0969
.340	1.50	.972	.465	8.22	.1115	.1017	.0939	.0877	.121A	.1120	.1042	.0980
.380	.83	.991	.402	8.08	.1043	.0946	.0868	.0805	.1104	.1006	.0929	.0867
.420	.20	.98A	.284	8.01	.1067	.0969	.0891	.0829	.1167	.1069	.0991	.0929
.460	-.39	1.000	.104	8.00	.1056	.0954	.0883	.0818	.1167	.1065	.0984	.0919

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 115.0 249.9 25.0 53.8 115.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.13	.937	.400	8.6A	.1168	.1064	.0981	.0915	.1277	.1172	.1090	.1024
.340	1.35	.974	.330	8.50	.1114	.1011	.0930	.0865	.1220	.111A	.1036	.0971
.380	.72	.947	.295	8.21	.1079	.0978	.0899	.0835	.1182	.1081	.1001	.0937
.420	.15	.990	.200	7.89	.1054	.0953	.0873	.0810	.1152	.1051	.0972	.090A
.460	-.45	.987	0.000	7.54	.1027	.0927	.0841	.0775	.1121	.1017	.0935	.0870

RESISTANCE DATA

SERIES 65-B

MODEL 5278

LP/ROX = 9.33

DEADRISE ANGLE = 79.4 DEG

FNU = 3.00

WRIGHT = LIFT (L₀, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.700	4.85	.809	.546	8.64	.1414	.1499	.1604	.1534	.1974	.1919	.1727	.1654
.740	3.15	1.000	.665	7.44	.1466	.1542	.1644	.1565	.1970	.1876	.1578	.1499
.780	2.07	1.000	.968	7.81	.1579	.1654	.1754	.1273	.1729	.1594	.1494	.1414
.420	1.26	1.000	1.000	8.54	.1613	.1678	.1370	.1283	.1765	.1631	.1524	.1437
.460	.71	1.000	1.000	9.48	.1727	.1577	.1457	.1360	.1807	.1727	.1624	.1531
.500	.36	1.000	.550	10.35	.1851	.1686	.1554	.1448	.2038	.1972	.1740	.1634

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 99.6 212.5				21.2 45.8 99.6 212.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.700	3.48	.923	.542	7.58	.1614	.1496	.1384	.1303	.1751	.1622	.1521	.1439
.740	2.42	1.000	.798	8.26	.1554	.1421	.1315	.1229	.1793	.1569	.1463	.1377
.780	1.57	1.000	1.000	9.05	.1522	.1380	.1266	.1175	.1685	.1543	.1429	.1337
.420	.94	1.000	1.000	9.61	.1531	.1381	.1261	.1164	.1704	.1544	.1434	.1337
.460	.38	1.000	1.000	10.03	.1573	.1415	.1289	.1187	.1753	.1595	.1469	.1367
.500	-.28	1.000	.592	10.35	.1673	.1504	.1369	.1260	.1859	.1690	.1555	.1446

LP/V(1/3) = 9.0					LP (FT) = 22.5 48.5 104.4 225.0				22.5 48.5 104.4 225.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.700	2.68	.933	.593	8.13	.1467	.1332	.1226	.1139	.1613	.1479	.1372	.1286
.740	1.75	.970	.790	8.82	.1410	.1269	.1155	.1064	.1568	.1427	.1314	.1223
.780	1.00	.978	.855	9.14	.1382	.1237	.1121	.1027	.1547	.1401	.1285	.1191
.420	.45	.994	.797	9.18	.1374	.1227	.1117	.1015	.1540	.1392	.1275	.1180
.460	-.44	1.000	.410	8.57	.1409	.1265	.1151	.1059	.1567	.1419	.1305	.1213

LP/V(1/3) = 9.5					LP (FT) = 23.7 51.2 110.2 237.4				23.7 51.2 110.2 237.4			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.700	2.28	.927	.552	8.64	.1463	.1321	.1208	.1116	.1619	.1476	.1363	.1272
.740	1.56	.971	.582	8.87	.1417	.1273	.1158	.1065	.1577	.1432	.1317	.1224
.780	1.01	.986	.542	8.88	.1401	.1256	.1141	.1048	.1561	.1416	.1300	.1207
.420	.62	.992	.406	8.71	.1403	.1257	.1142	.1049	.1559	.1414	.1299	.1206

LP/V(1/3) = 10.0					LP (FT) = 25.0 53.8 116.0 249.9				25.0 53.8 116.0 249.9			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LO	LP	V(2/3)								
.700	1.98	.930	.437	8.92	.1448	.1300	.1183	.1088	.1599	.1461	.1344	.1249
.740	1.27	.975	.378	8.88	.1419	.1271	.1154	.1060	.1578	.1431	.1314	.1219
.780	.93	.994	.290	8.72	.1408	.1262	.1145	.1052	.1565	.1418	.1302	.1209
.420	.34	.999	.096	8.35	.1412	.1267	.1153	.1060	.1562	.1417	.1303	.1210

RESISTANCE DATA

SERIES 65-R

MODEL 523A

LP/SPX = 9.39

DEADRISE ANGLE = 30.4 DEG

FNV = 3.50

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 99.6 212.5 21.2 45.8 99.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.05	.750	.696	6.89	.1310	.1156	.1034	.0935	.1479	.1325	.1203	.1104
.340	.55	.796	.665	7.64	.1431	.1256	.1117	.1005	.1618	.1443	.1304	.1192
.380	.24	.842	.603	8.24	.1545	.1348	.1193	.1068	.1747	.1550	.1394	.1269
.420	-.23	.939	0.000	9.32	.1753	.1499	.1300	.1142	.1981	.1727	.1529	.1370

LP/V(1/3) = 9.0

LP (FT) = 22.5 48.5 104.4 225.0 22.5 48.5 104.4 225.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.22	.875	.483	7.70	.1794	.1625	.1449	.1378	.1946	.1714	.1577	.1567
.340	2.05	.965	.703	8.72	.1781	.1596	.1448	.1329	.1994	.1809	.1662	.1543
.380	1.29	.947	.837	9.22	.1792	.1598	.1443	.1317	.2018	.1823	.1668	.1543
.420	.64	.988	.598	9.47	.1820	.1616	.1453	.1322	.2051	.1847	.1684	.1553
.460	-.18	.994	0.000	9.29	.1865	.1630	.1443	.1294	.2043	.1857	.1671	.1522

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.81	.878	.495	8.48	.1824	.1637	.1488	.1368	.2032	.1845	.1696	.1576
.340	1.83	.963	.643	9.17	.1852	.1656	.1500	.1374	.2077	.1881	.1725	.1594
.380	1.19	.994	.617	9.35	.1880	.1681	.1522	.1393	.2109	.1910	.1750	.1622
.420	.62	1.000	.442	9.23	.1912	.1710	.1550	.1421	.2138	.1936	.1776	.1647
.460	-.13	.995	0.000	8.58	.1956	.1749	.1586	.1455	.2166	.1959	.1796	.1665

LP/V(1/3) = 10.0

LP (FT) = 25.0 53.8 116.0 249.9 25.0 53.8 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	2.28	.887	.465	9.04	.1809	.1611	.1453	.1326	.2030	.1832	.1675	.1548
.340	1.50	.965	.457	9.26	.1846	.1645	.1485	.1356	.2072	.1872	.1712	.1583
.380	1.00	.994	.383	9.13	.1873	.1674	.1515	.1387	.2096	.1897	.1739	.1611
.420	.47	1.000	.219	8.68	.1905	.1711	.1557	.1432	.2118	.1923	.1769	.1645
.460	-.32	.962	0.000	7.32	.1953	.1771	.1627	.1511	.2132	.1950	.1806	.1690

RESISTANCE DATA SERIES 65-8 MODEL 5230

LP/PPX = 9.39

DEADRISE ANGLE = 30.4 DEG

FNW = 4.88

WEIGHT = LIFT (L9, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 9.5

LP (FT) = 23.7 51.2 110.2 237.4 23.7 51.2 110.2 237.4

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	1.10	.791	.410	7.36	.1745	.1573	.1404	.1260	.2021	.1809	.1640	.1504
.340	.20	.796	.112	7.40	.1906	.1600	.1501	.1357	.2142	.1916	.1737	.1593
.380	.02	.792	.005	7.39	.1936	.1704	.1521	.1373	.2172	.1941	.1757	.1610

LP/V(1/3) = 10.0

LP (FT) = 25.1 53.0 116.0 249.9 25.0 53.0 116.0 249.9

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.300	3.18	.791	.405	8.60	.2269	.2013	.1816	.1657	.2538	.2290	.2093	.1934
.340	2.15	.944	.520	9.04	.2385	.2115	.1900	.1726	.2699	.2430	.2215	.2041
.380	1.23	1.099	.505	10.20	.2501	.2224	.2003	.1824	.2827	.2550	.2329	.2150
.420	.51	1.090	.298	10.06	.2621	.2341	.2117	.1937	.2943	.2662	.2439	.2258
.460	.06	1.009	.044	9.77	.2713	.2428	.2201	.2019	.3025	.2740	.2514	.2331
.500	-.05	1.000	0.000	9.68	.2736	.2449	.2221	.2037	.3045	.2758	.2530	.2347

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/3PX = 2.30

DEADRISE ANGLE = 12.5 DEG

FNU = 1.00

.....
 WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 3.5

LP (FT) = 9.7 18.8 40.6 87.5 8.7 18.8 40.6 87.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	10.36	.900	.509	4.55	.1642	.1628	.1618	.1610	.1651	.1637	.1627	.1619
.395	5.17	.976	.835	5.65	.1364	.1349	.1337	.1327	.1376	.1360	.1349	.1338
.415	2.74	1.000	.933	6.02	.1300	.1283	.1271	.1261	.1312	.1295	.1283	.1273
.435	.42	1.000	1.000	6.27	.1284	.1268	.1255	.1245	.1297	.1280	.1267	.1257

.....
 LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	5.82	.914	.623	6.21	.1291	.1274	.1260	.1250	.1303	.1286	.1273	.1262
.395	2.37	.958	.917	6.96	.1128	.1110	.1095	.1084	.1142	.1124	.1109	.1098
.415	.90	.977	.929	7.03	.1035	.1016	.1001	.0990	.1049	.1030	.1015	.1004
.435	-1.06	.993	.942	7.05	.0988	.0969	.0954	.0943	.1002	.0983	.0969	.0957
.475	-4.10	1.000	1.000	7.31	.1198	.1179	.1164	.1152	.1212	.1193	.1178	.1167

.....
 LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	-4.53	.921	.529	7.29	.1052	.1032	.1017	.1004	.1067	.1047	.1031	.1019
.395	1.60	.948	.607	7.72	.0952	.0931	.0915	.0902	.0968	.0947	.0931	.0918
.415	.18	.960	.640	8.04	.0950	.0928	.0912	.0899	.0966	.0945	.0928	.0915
.435	-1.24	.973	.754	8.35	.0967	.0945	.0928	.0914	.0984	.0962	.0945	.0931
.475	-4.31	.998	.840	8.72	.1021	.0999	.0981	.0967	.1039	.1016	.0999	.0985

RESISTANCE DATA SERIES 62 MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNV = 1.25

WEIGHT = LIFT (Lb, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 3.5

LP (FT) = 8.7 16.8 40.6 87.5 8.7 16.8 40.6 87.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	16.66	.725	.558	3.93	.2889	.2871	.2858	.2847	.2901	.2884	.2870	.2860
.395	12.12	.855	.616	5.08	.2475	.2453	.2436	.2422	.2491	.2469	.2452	.2438
.415	3.79	.908	.634	5.36	.2350	.2327	.2310	.2296	.2367	.2344	.2326	.2313
.435	7.41	.952	.809	5.44	.2280	.2257	.2240	.2226	.2297	.2274	.2257	.2243

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	11.25	.763	.549	5.16	.1960	.1938	.1920	.1907	.1976	.1954	.1937	.1923
.395	7.83	.877	.640	5.72	.1740	.1717	.1698	.1684	.1758	.1734	.1716	.1701
.415	6.35	.915	.700	6.24	.1767	.1741	.1721	.1706	.1786	.1761	.1741	.1725
.435	4.89	.945	.751	6.76	.1877	.1850	.1829	.1812	.1898	.1871	.1850	.1833
.475	1.71	1.000	1.000	7.31	.2329	.2300	.2278	.2261	.2352	.2323	.2301	.2284

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	7.67	.812	.518	6.56	.1656	.1629	.1608	.1591	.1677	.1650	.1628	.1612
.395	5.20	.913	.596	7.40	.1357	.1327	.1304	.1286	.1380	.1350	.1327	.1309
.415	4.00	.934	.604	7.86	.1458	.1427	.1402	.1383	.1482	.1451	.1427	.1407
.435	2.73	.947	.734	8.26	.1667	.1635	.1609	.1589	.1693	.1660	.1635	.1615
.475	-3.39	.976	.822	8.59	.2235	.2202	.2176	.2155	.2262	.2228	.2202	.2182

RESISTANCE DATA SERIES 62 MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNW = 1.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 3.5

LP (FT) = 8.7 18.8 40.6 87.5 8.7 18.8 40.6 87.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	16.52	.696	.502	3.40	.3223	.3202	.3186	.3173	.3239	.3217	.3201	.3188
.395	15.97	.751	.573	4.40	.2758	.2731	.2710	.2694	.2770	.2751	.2730	.2714
.415	13.78	.797	.611	4.53	.2500	.2472	.2451	.2434	.2521	.2493	.2472	.2455
.415	10.30	.856	.649	4.56	.2225	.2198	.2177	.2160	.2245	.2218	.2197	.2181

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	12.08	.603	.469	3.83	.2371	.2348	.2329	.2315	.2389	.2365	.2346	.2332
.395	3.58	.783	.542	4.52	.1908	.1882	.1861	.1845	.1929	.1902	.1881	.1865
.415	7.94	.856	.577	5.30	.1744	.1713	.1689	.1670	.1768	.1737	.1713	.1694
.435	6.27	.910	.623	6.07	.1720	.1685	.1658	.1637	.1747	.1713	.1686	.1664
.475	3.60	.951	.770	6.71	.2379	.2341	.2312	.2289	.2409	.2372	.2342	.2319

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	8.56	.677	.459	5.25	.1769	.1738	.1714	.1695	.1793	.1762	.1737	.1718
.395	6.01	.866	.535	6.63	.1427	.1398	.1360	.1337	.1457	.1420	.1390	.1367
.415	4.90	.905	.563	7.12	.1420	.1390	.1349	.1324	.1452	.1412	.1381	.1356
.435	3.88	.923	.596	7.52	.1552	.1510	.1477	.1451	.1586	.1544	.1511	.1485
.475	2.07	.945	.723	8.16	.2325	.2280	.2245	.2218	.2361	.2317	.2282	.2254

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNW = 1.75

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 3.5

LP (FT) = 8.7 18.8 40.6 87.5 8.7 18.8 40.6 87.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	15.62	.663	.462	3.15	.2709	.2683	.2663	.2647	.2728	.2702	.2682	.2666
.395	12.28	.653	.479	3.93	.2429	.2396	.2371	.2351	.2453	.2420	.2395	.2375
.415	10.83	.683	.522	4.01	.2283	.2250	.2225	.2205	.2308	.2275	.2249	.2229
.435	10.02	.752	.589	3.89	.2134	.2103	.2079	.2060	.2158	.2127	.2102	.2083

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	11.70	.581	.415	3.48	.2190	.2161	.2139	.2121	.2211	.2182	.2160	.2142
.395	8.84	.697	.486	3.60	.1850	.1821	.1799	.1781	.1872	.1843	.1821	.1803
.415	7.83	.781	.514	4.46	.1696	.1661	.1634	.1613	.1723	.1688	.1661	.1640
.435	6.93	.858	.543	5.39	.1615	.1573	.1541	.1516	.1648	.1606	.1574	.1549
.475	4.97	.922	.632	6.04	.1851	.1806	.1771	.1743	.1888	.1843	.1808	.1780

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	7.98	.641	.427	4.84	.1483	.1445	.1415	.1391	.1513	.1474	.1445	.1421
.395	6.40	.789	.466	5.61	.1413	.1370	.1337	.1310	.1447	.1404	.1371	.1345
.415	5.51	.850	.499	6.33	.1391	.1343	.1306	.1277	.1430	.1382	.1345	.1315
.435	4.59	.897	.537	7.02	.1457	.1405	.1364	.1332	.1500	.1448	.1407	.1375
.475	2.85	.928	.620	7.62	.2093	.2037	.1994	.1959	.2140	.2084	.2040	.2006

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNV = 2.00

WEIGHT = LIFT (L5, SEAWATER) = 1000 10300 100000 1000000 1000 10000 100000 1000000													
LP/V(1/3) = 3.5 LP (FT) = 8.7 18.8 40.6 87.5 8.7 18.8 40.6 87.5													
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
LP	(DEG)	LP	LP	V(2/3)									
.355	15.19	.548	.406	2.54	.2264	.2236	.2215	.2198	.2284	.2257	.2235	.2218	
.395	10.46	.599	.465	3.74	.2106	.2066	.2035	.2011	.2136	.2096	.2065	.2041	
.415	9.38	.662	.437	3.86	.2031	.1991	.1960	.1935	.2062	.2022	.1991	.1966	
.435	9.16	.752	.530	3.67	.1959	.1922	.1892	.1869	.1988	.1951	.1922	.1899	
LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0													
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
LP	(DEG)	LP	LP	V(2/3)									
.355	9.88	.575	.355	3.24	.1922	.1887	.1861	.1840	.1948	.1913	.1886	.1865	
.395	7.97	.652	.443	3.05	.1709	.1677	.1653	.1634	.1733	.1702	.1677	.1658	
.415	7.21	.730	.468	3.95	.1599	.1560	.1529	.1504	.1631	.1591	.1560	.1536	
.435	6.54	.809	.493	4.95	.1530	.1481	.1442	.1412	.1569	.1520	.1482	.1452	
.475	5.39	.895	.564	5.64	.1629	.1574	.1532	.1498	.1674	.1619	.1577	.1543	
LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5													
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
LP	(DEG)	LP	LP	V(2/3)									
.355	6.99	.608	.356	4.23	.1327	.1284	.1250	.1223	.1361	.1318	.1284	.1257	
.395	5.98	.737	.411	4.96	.1361	.1312	.1274	.1244	.1401	.1352	.1314	.1283	
.415	5.36	.811	.448	5.79	.1321	.1265	.1221	.1187	.1367	.1311	.1268	.1233	
.435	4.70	.875	.486	6.60	.1336	.1273	.1224	.1185	.1389	.1326	.1277	.1238	
.475	3.38	.918	.542	7.18	.1807	.1740	.1687	.1645	.1865	.1797	.1744	.1703	

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FN9 = 2.50

 WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 3.5

LP (FT) = 8.7 18.8 40.6 87.5 8.7 18.8 40.6 87.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	7.86	.659	.392	3.68	.1676	.1617	.1572	.1536	.1722	.1663	.1618	.1582
.415	7.44	.692	.419	3.48	.1652	.1598	.1555	.1522	.1696	.1641	.1599	.1565
.435	7.02	.724	.446	3.29	.1629	.1578	.1538	.1507	.1670	.1619	.1579	.1548

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	6.89	.571	.317	3.01	.1623	.1575	.1537	.1508	.1661	.1612	.1575	.1545
.395	6.05	.675	.364	2.70	.1492	.1451	.1418	.1392	.1526	.1484	.1452	.1426
.415	5.66	.725	.398	3.50	.1421	.1368	.1326	.1293	.1464	.1411	.1370	.1337
.435	5.31	.774	.416	4.42	.1379	.1312	.1260	.1219	.1434	.1367	.1316	.1275
.475	4.74	.860	.490	5.15	.1478	.1403	.1344	.1297	.1542	.1467	.1408	.1362

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.355	5.37	.603	.295	3.84	.1117	.1057	.1011	.0974	.1165	.1105	.1059	.1022
.395	4.80	.718	.335	4.40	.1302	.1236	.1185	.1144	.1357	.1291	.1240	.1199
.415	4.47	.781	.362	5.09	.1267	.1192	.1134	.1087	.1331	.1256	.1197	.1151
.435	4.13	.836	.389	5.79	.1253	.1169	.1103	.1050	.1325	.1241	.1175	.1123
.475	3.54	.883	.445	6.43	.1595	.1504	.1432	.1375	.1676	.1584	.1512	.1455

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNV = 3.00

 WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	4.77	.704	.315	2.44	.1459	.1407	.1366	.1333	.1503	.1451	.1410	.1377
.415	4.54	.738	.329	3.40	.1399	.1326	.1270	.1227	.1460	.1388	.1331	.1286
.435	4.32	.775	.347	4.09	.1385	.1299	.1232	.1178	.1458	.1373	.1305	.1252
.475	3.93	.856	.391	4.67	.1497	.1401	.1326	.1266	.1581	.1485	.1410	.1350

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	3.91	.735	.284	4.26	.1302	.1213	.1143	.1088	.1379	.1290	.1220	.1165
.415	3.70	.788	.298	4.79	.1295	.1196	.1119	.1057	.1381	.1282	.1205	.1143
.435	3.50	.836	.311	5.32	.1302	.1193	.1108	.1041	.1397	.1289	.1204	.1136
.475	3.15	.891	.362	5.94	.1621	.1503	.1410	.1335	.1728	.1610	.1516	.1442

RESISTANCE DATA SERIES 62 MODEL 4665

LP/BPX = 2.00 DEADRISE ANGLE = 12.5 DEG FNV = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	3.93	.715	.271	2.29	.1509	.1444	.1393	.1352	.1565	.1500	.1449	.1408
.415	3.69	.761	.234	3.30	.1456	.1364	.1291	.1234	.1537	.1445	.1372	.1314
.435	3.51	.801	.301	4.00	.1451	.1340	.1253	.1183	.1549	.1438	.1351	.1281
.475	3.33	.865	.347	4.50	.1579	.1457	.1360	.1284	.1689	.1567	.1471	.1394

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	3.34	.756	.216	3.93	.1477	.1368	.1282	.1214	.1573	.1464	.1378	.1310
.415	3.12	.805	.226	4.50	.1520	.1397	.1300	.1223	.1631	.1507	.1410	.1333
.435	2.94	.841	.243	4.94	.1595	.1461	.1356	.1272	.1716	.1582	.1477	.1393
.475	2.73	.870	.293	5.41	.1838	.1694	.1580	.1489	.1971	.1826	.1712	.1622

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNV = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.435	3.08	.822	.250	3.84	.1658	.1522	.1415	.1330	.1781	.1645	.1538	.1453
.475	3.00	.864	.301	4.29	.1802	.1653	.1536	.1442	.1939	.1790	.1673	.1579

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.393	2.83	.786	.157	3.84	.1718	.1582	.1475	.1389	.1841	.1704	.1597	.1512
.415	2.70	.817	.175	4.30	.1829	.1678	.1559	.1465	.1966	.1816	.1697	.1602
.435	2.59	.842	.193	4.66	.1934	.1772	.1645	.1543	.2083	.1921	.1794	.1692
.475	2.47	.878	.227	5.06	.2127	.1953	.1817	.1708	.2289	.2115	.1979	.1870

RESISTANCE DATA SERIES 62 MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNV = 4.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.435	2.66	.836	.202	3.69	.1928	.1766	.1638	.1536	.2077	.1915	.1787	.1686
.475	2.58	.864	.254	4.06	.2097	.1921	.1783	.1673	.2261	.2086	.1947	.1837

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.335	2.52	.791	.109	3.55	.2091	.1934	.1810	.1712	.2235	.2077	.1954	.1855
.415	2.41	.827	.128	4.07	.2177	.1999	.1859	.1747	.2341	.2164	.2024	.1912
.435	2.32	.853	.146	4.44	.2275	.2083	.1931	.1811	.2455	.2263	.2111	.1990
.475	2.19	.878	.178	4.77	.2508	.2304	.2143	.2015	.2701	.2497	.2336	.2208

RESISTANCE DATA

SERIES 62

MODEL

4665

LP/BPX = 2.30

DEADRISE ANGLE = 12.5 DEG

FNV = 5.00

.....

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

.....

LP/V (1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0

10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(273)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.435	2.45	.835	.135	3.46	.2244	.2058	.1912	.1796	.2417	.2231	.2085	.1968
.475	2.34	.866	.201	3.82	.2497	.2296	.2137	.2010	.2688	.2486	.2328	.2201

.....

LP/V (1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5

11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(273)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	2.37	.808	.068	3.35	.2443	.2263	.2121	.2008	.2610	.2430	.2289	.2175
.415	2.24	.833	.042	3.82	.2532	.2329	.2169	.2041	.2723	.2520	.2360	.2232
.435	2.14	.853	.038	4.17	.2654	.2435	.2261	.2123	.2863	.2643	.2470	.2331
.475	2.03	.876	.136	4.51	.2996	.2761	.2576	.2428	.3222	.2987	.2801	.2653

.....

RESISTANCE DATA SERIES 62 MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNV = 5.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.435	2.24	.853	.135	3.32	.2604	.2331	.2224	.2030	.2805	.2592	.2425	.2291
.475	2.13	.866	.153	3.64	.2913	.2684	.2503	.2358	.3133	.2904	.2723	.2578

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	2.09	.817	.019	3.10	.2810	.2610	.2454	.2328	.2997	.2798	.2641	.2516
.415	2.04	.840	.035	3.59	.2915	.2687	.2507	.2363	.3132	.2904	.2724	.2580
.435	1.98	.858	.050	3.93	.3075	.2826	.2631	.2474	.3312	.3064	.2868	.2712
.475	1.87	.875	.075	4.16	.3553	.3292	.3087	.2923	.3805	.3544	.3339	.3174

RESISTANCE DATA

SERIES 62

MODEL 4665

LP/BPX = 2.00

DEADRISE ANGLE = 12.5 DEG

FNW = 6.00

.....
 WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(273)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.435	2.02	.853	.055	3.10	.2993	.2750	.2573	.2425	.3216	.2981	.2796	.2640
.475	1.90	.866	.110	3.41	.3332	.3078	.2878	.2710	.3577	.3323	.3123	.2963

.....

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(273)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.395	2.00	.818	0.000	2.95	.3254	.3031	.2856	.2715	.3467	.3244	.3060	.2920
.415	1.94	.840	.003	3.40	.3348	.3093	.2892	.2731	.3593	.3338	.3137	.2976
.435	1.87	.857	.010	3.71	.3506	.3230	.3011	.2837	.3774	.3497	.3279	.3104
.475	1.74	.875	.037	3.95	.4016	.3725	.3495	.3311	.4300	.4009	.3779	.3595

.....

RESISTANCE DATA SERIES 62 MODEL 4666

LP/DPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FN7 = 1.80

WEIGHT = LIFT (LD, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	7.71	.951	.750	5.30	.1190	.1176	.1164	.1156	.1201	.1186	.1175	.1166
.403	5.28	.957	1.000	5.79	.1006	.1070	.1059	.1049	.1097	.1082	.1070	.1061
.423	3.27	.990	1.000	5.92	.1039	.1023	.1011	.1002	.1050	.1035	.1023	.1013
.443	.72	1.000	.763	5.96	.0995	.0979	.0967	.0957	.1007	.0991	.0979	.0969

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.89	.979	.796	6.22	.0936	.0920	.0907	.0897	.0948	.0932	.0919	.0909
.403	3.06	.999	1.000	6.50	.0923	.0907	.0894	.0884	.0936	.0920	.0907	.0897
.423	1.24	1.000	1.000	6.71	.0892	.0875	.0861	.0851	.0905	.0888	.0875	.0864
.443	-.58	1.000	.949	6.80	.0866	.0849	.0835	.0824	.0880	.0862	.0849	.0838
.463	-2.40	1.000	.990	6.21	.0902	.0886	.0874	.0864	.0914	.0898	.0886	.0876

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.89	.959	.735	7.00	.0812	.0794	.0780	.0769	.0826	.0808	.0794	.0783
.403	1.76	1.000	.782	7.05	.0790	.0772	.0758	.0747	.0805	.0787	.0772	.0761
.423	.65	.991	.908	7.34	.0788	.0770	.0756	.0744	.0803	.0785	.0770	.0759
.443	-.42	.969	1.000	7.58	.0789	.0770	.0756	.0744	.0804	.0785	.0771	.0759
.463	-2.22	.984	1.000	7.40	.0789	.0770	.0756	.0744	.0803	.0785	.0771	.0759

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.78	.939	.540	7.17	.0740	.0721	.0706	.0695	.0754	.0735	.0721	.0709
.403	1.19	.968	.718	8.16	.0726	.0705	.0689	.0677	.0742	.0722	.0706	.0693
.423	.47	.981	.685	8.51	.0711	.0689	.0672	.0659	.0728	.0706	.0689	.0676
.443	-.25	.991	.654	8.70	.0699	.0677	.0659	.0646	.0716	.0694	.0677	.0663
.463	-1.83	.997	.841	8.42	.0712	.0691	.0674	.0662	.0729	.0708	.0691	.0678

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 1.25

.....
 WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	12.72	.818	.682	4.26	.2390	.2373	.2359	.2348	.2404	.2386	.2372	.2361
.403	9.28	.898	.766	4.83	.1937	.1918	.1902	.1890	.1952	.1933	.1917	.1905
.423	7.72	.933	.807	4.90	.1830	.1811	.1795	.1783	.1846	.1826	.1811	.1799
.443	6.27	.966	.848	4.82	.1804	.1784	.1769	.1758	.1819	.1799	.1784	.1773

.....

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	9.20	.968	.778	5.82	.1800	.1778	.1760	.1746	.1819	.1796	.1778	.1764
.403	6.40	.914	.738	5.64	.1505	.1483	.1466	.1452	.1523	.1501	.1483	.1469
.423	5.25	.927	.774	5.77	.1469	.1446	.1428	.1414	.1487	.1464	.1446	.1432
.443	4.28	.953	.832	5.97	.1479	.1456	.1438	.1423	.1498	.1475	.1456	.1442
.483	2.93	1.000	.969	6.43	.1559	.1534	.1515	.1500	.1579	.1554	.1535	.1520

.....

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	6.42	.896	.659	6.39	.1371	.1346	.1326	.1311	.1391	.1366	.1346	.1331
.403	4.42	.933	.708	6.71	.1231	.1205	.1184	.1168	.1252	.1226	.1205	.1189
.423	3.67	.946	.775	7.07	.1245	.1218	.1197	.1180	.1268	.1240	.1219	.1203
.443	2.69	.957	.853	7.39	.1294	.1266	.1244	.1227	.1317	.1289	.1267	.1250
.483	-1.19	.973	.989	7.34	.1423	.1396	.1374	.1357	.1446	.1419	.1397	.1380

.....

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.68	.889	.617	7.33	.1120	.1092	.1070	.1052	.1143	.1115	.1093	.1075
.403	3.18	.937	.691	7.90	.1031	.1001	.0978	.0959	.1056	.1026	.1003	.0984
.423	2.51	.957	.744	7.71	.1063	.1034	.1011	.0993	.1087	.1058	.1035	.1017
.443	1.73	.971	.785	7.43	.1127	.1099	.1077	.1060	.1150	.1122	.1100	.1083
.483	-.61	.967	.755	7.31	.1300	.1273	.1251	.1234	.1323	.1296	.1274	.1257

.....

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 1.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	15.73	.601	.436	2.51	.3013	.2998	.2986	.2976	.3025	.3009	.2997	.2988
.403	11.29	.821	.664	3.67	.2250	.2229	.2212	.2199	.2266	.2245	.2229	.2216
.423	9.28	.893	.713	4.33	.2021	.1996	.1977	.1962	.2040	.2016	.1997	.1982
.443	7.40	.940	.793	5.04	.1893	.1865	.1843	.1826	.1916	.1888	.1866	.1848

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	10.92	.968	.751	5.69	.2142	.2111	.2087	.2068	.2167	.2137	.2112	.2093
.403	7.29	.875	.664	5.18	.1627	.1598	.1575	.1557	.1650	.1621	.1599	.1581
.423	6.12	.895	.707	5.43	.1540	.1518	.1487	.1468	.1565	.1535	.1511	.1493
.443	5.04	.937	.781	5.82	.1549	.1517	.1492	.1473	.1575	.1543	.1519	.1499
.463	2.21	1.000	.941	6.40	.1793	.1759	.1733	.1712	.1822	.1788	.1762	.1741

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	7.46	.819	.611	5.76	.1582	.1550	.1525	.1505	.1607	.1576	.1551	.1531
.403	5.04	.913	.672	6.51	.1313	.1278	.1250	.1229	.1342	.1307	.1280	.1258
.423	4.14	.927	.718	6.58	.1309	.1274	.1246	.1224	.1339	.1303	.1276	.1254
.443	3.35	.933	.769	6.60	.1370	.1335	.1307	.1285	.1399	.1364	.1337	.1315
.463	1.76	.972	.875	7.01	.1617	.1580	.1552	.1529	.1648	.1612	.1583	.1560

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	5.29	.828	.572	6.69	.1237	.1201	.1172	.1150	.1267	.1231	.1202	.1180
.403	3.66	.921	.647	7.57	.1132	.1092	.1060	.1035	.1166	.1125	.1094	.1069
.423	3.01	.938	.671	8.14	.1150	.1107	.1074	.1047	.1187	.1144	.1111	.1084
.443	2.43	.946	.638	8.56	.1211	.1166	.1131	.1103	.1250	.1205	.1170	.1142
.463	1.33	.967	.734	8.21	.1446	.1403	.1370	.1344	.1482	.1440	.1407	.1380

RESISTANCE DATA

SERIES 62

MODEL 46C6

LP/RPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 1.75

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0				LP (FT) = 10.0				21.5				46.4				100.0				10.0				21.5				46.4				100.0			
LCG		TRIM		LK		LC		S		RESISTANCE/LIFT FOR DCF=0								RESISTANCE/LIFT FOR DCF=0.0004																	
LP		(DEG)		LP		LP		V(2/3)																											
.163		15.64		.580		.525		2.67		.2922		.2900		.2884		.2870		.2938		.2917		.2900		.2887											
.403		12.87		.732		.532		3.15		.2513		.2488		.2469		.2454		.2532		.2507		.2488		.2473											
.423		11.35		.790		.620		3.47		.2292		.2265		.2245		.2228		.2313		.2287		.2266		.2249											
.443		9.74		.837		.666		3.86		.2061		.2032		.2003		.1991		.2084		.2055		.2033		.2015											

LP/V(1/3) = 4.5				LP (FT) = 11.2 24.2 52.2 112.5				11.2 24.2 52.2 112.5				
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.163	11.28	.689	.503	3.54	.2280	.2253	.2232	.2215	.2302	.2275	.2253	.2236
.403	9.76	.782	.591	4.05	.1868	.1836	.1811	.1791	.1894	.1862	.1837	.1817
.423	7.56	.835	.635	4.68	.1690	.1655	.1628	.1607	.1718	.1684	.1657	.1635
.443	6.27	.892	.658	5.14	.1609	.1571	.1542	.1519	.1640	.1603	.1574	.1550
.453	3.04	1.000	.648	6.09	.1972	.1929	.1896	.1869	.2009	.1967	.1933	.1907

LP/V(1/3) = 5.0				LP (FT) = 12.5				26.9				58.0				125.0				12.5				26.9				58.0				125.0			
LOG		TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0								RESISTANCE/LIFT FOR DCF=0.0004																					
LP	(DEG)	LP	LP	LP	V(2/3)																														
.163	7.97	.706	.531	4.70	.1714	.1679	.1651	.1629	.1743	.1708	.1680	.1658																							
.403	5.85	.850	.616	5.86	.1415	.1373	.1340	.1313	.1451	.1409	.1375	.1349																							
.423	4.84	.893	.651	6.25	.1377	.1332	.1297	.1269	.1415	.1370	.1335	.1308																							
.443	3.87	.922	.712	6.52	.1426	.1374	.1338	.1310	.1460	.1414	.1378	.1350																							
.453	2.10	.964	.836	6.68	.1778	.1732	.1696	.1667	.1819	.1773	.1737	.1708																							

LP/V(1/3) = 5.5				LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5				
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.163	5.83	.757	.536	6.02	.1378	.1334	.1300	.1272	.1414	.1371	.1336	.1309
.403	4.15	.893	.633	7.17	.1168	.1117	.1078	.1046	.1212	.1161	.1122	.1090
.423	3.45	.920	.656	7.46	.1201	.1149	.1109	.1076	.1247	.1195	.1154	.1122
.443	2.79	.933	.660	7.62	.1298	.1246	.1204	.1171	.1345	.1292	.1251	.1218
.453	1.40	.963	.715	7.77	.1599	.1545	.1504	.1470	.1646	.1593	.1551	.1518

RESISTANCE DATA SERIES 62 MODEL 4666

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 2.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	14.63	.607	.493	2.55	.2653	.2627	.2607	.2590	.2674	.2647	.2627	.2611
.403	11.60	.675	.551	2.92	.2306	.2277	.2254	.2236	.2330	.2300	.2277	.2259
.423	10.64	.709	.591	3.10	.2188	.2157	.2134	.2115	.2213	.2182	.2158	.2139
.443	10.05	.744	.608	3.29	.2107	.2075	.2050	.2030	.2134	.2101	.2076	.2056

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	10.59	.569	.493	3.11	.2082	.2050	.2026	.2007	.2187	.2075	.2051	.2032
.403	9.68	.734	.555	3.91	.1853	.1815	.1786	.1762	.1884	.1846	.1817	.1794
.423	7.92	.778	.589	4.16	.1757	.1717	.1686	.1661	.1790	.1750	.1719	.1695
.443	7.11	.815	.626	4.45	.1694	.1652	.1620	.1594	.1730	.1688	.1655	.1629
.453	4.72	.933	.723	5.59	.1740	.1689	.1649	.1617	.1785	.1734	.1694	.1662

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	9.05	.630	.494	4.09	.1713	.1673	.1642	.1618	.1746	.1706	.1675	.1650
.403	6.33	.768	.552	4.96	.1505	.1459	.1422	.1393	.1545	.1498	.1462	.1433
.423	5.51	.835	.595	5.47	.1422	.1372	.1332	.1301	.1466	.1415	.1376	.1345
.443	4.63	.891	.641	5.87	.1402	.1348	.1307	.1273	.1449	.1395	.1354	.1320
.453	2.92	.937	.733	5.92	.1695	.1642	.1601	.1568	.1742	.1690	.1648	.1615

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	6.15	.685	.494	5.22	.1470	.1420	.1382	.1351	.1511	.1462	.1424	.1393
.403	4.58	.828	.551	6.33	.1262	.1204	.1159	.1123	.1312	.1255	.1210	.1174
.423	3.90	.878	.592	6.84	.1233	.1171	.1123	.1085	.1288	.1226	.1178	.1140
.443	3.24	.914	.615	7.23	.1273	.1209	.1159	.1118	.1331	.1267	.1216	.1176
.453	1.87	.936	.698	7.38	.1618	.1553	.1502	.1462	.1677	.1612	.1561	.1521

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/DPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNU = 2.50

.....

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

.....

LP/V(1/1) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.433	9.39	.623	.478	2.59	.1960	.1920	.1889	.1865	.1992	.1953	.1922	.1897
.423	9.74	.652	.510	2.75	.1923	.1881	.1849	.1823	.1957	.1916	.1883	.1858
.443	9.17	.602	.542	2.91	.1886	.1842	.1809	.1782	.1922	.1879	.1845	.1818

.....

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	9.33	.523	.416	2.73	.1821	.1779	.1746	.1720	.1855	.1813	.1780	.1754
.403	7.29	.665	.430	3.43	.1695	.1644	.1605	.1573	.1737	.1687	.1647	.1616
.423	6.90	.699	.506	3.62	.1645	.1593	.1551	.1519	.1690	.1638	.1597	.1564
.443	6.32	.732	.512	3.82	.1605	.1550	.1507	.1472	.1653	.1597	.1554	.1520
.483	5.29	.860	.594	4.62	.1551	.1486	.1436	.1395	.1609	.1544	.1493	.1453

.....

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.383	8.65	.582	.418	3.61	.1557	.1503	.1461	.1428	.1602	.1548	.1506	.1473
.403	5.63	.685	.486	4.31	.1480	.1418	.1369	.1331	.1534	.1472	.1423	.1385
.423	5.18	.757	.511	4.75	.1428	.1361	.1309	.1267	.1487	.1420	.1368	.1326
.443	4.75	.825	.516	5.14	.1399	.1327	.1271	.1227	.1463	.1392	.1336	.1291
.483	3.92	.894	.633	5.43	.1499	.1425	.1367	.1321	.1567	.1493	.1435	.1389

.....

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	5.41	.634	.417	4.63	.1429	.1362	.1310	.1268	.1486	.1420	.1369	.1326
.403	4.40	.741	.474	5.46	.1349	.1273	.1214	.1166	.1418	.1342	.1282	.1235
.423	3.99	.803	.530	5.96	.1315	.1233	.1169	.1118	.1390	.1308	.1244	.1193
.443	3.60	.868	.527	6.41	.1316	.1229	.1161	.1107	.1396	.1309	.1241	.1187
.483	2.63	.914	.591	6.82	.1518	.1428	.1357	.1300	.1604	.1513	.1442	.1385

.....

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/PPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 3.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.403	7.44	.577	.423	2.33	.1692	.1642	.1603	.1572	.1734	.1684	.1645	.1614
.423	7.09	.635	.432	2.55	.1688	.1634	.1592	.1550	.1734	.1680	.1638	.1604
.443	6.72	.693	.431	2.78	.1683	.1626	.1580	.1544	.1733	.1676	.1630	.1594

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	6.01	.520	.330	2.62	.1602	.1546	.1502	.1467	.1649	.1593	.1549	.1514
.403	5.91	.583	.427	2.99	.1543	.1480	.1431	.1392	.1596	.1534	.1485	.1446
.423	5.62	.657	.432	3.30	.1529	.1462	.1409	.1366	.1589	.1521	.1468	.1426
.443	5.33	.729	.440	3.64	.1527	.1454	.1396	.1350	.1592	.1519	.1462	.1416
.453	4.60	.822	.547	4.28	.1556	.1472	.1406	.1353	.1633	.1549	.1483	.1430

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	5.43	.567	.370	3.44	.1473	.1401	.1345	.1301	.1534	.1463	.1407	.1363
.403	4.77	.604	.433	4.09	.1454	.1372	.1308	.1257	.1528	.1446	.1382	.1330
.423	4.51	.716	.473	4.41	.1444	.1357	.1288	.1234	.1523	.1436	.1368	.1313
.443	4.26	.771	.430	4.71	.1444	.1353	.1280	.1223	.1529	.1437	.1365	.1307
.453	3.70	.875	.543	5.17	.1515	.1417	.1339	.1277	.1608	.1510	.1432	.1370

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.49	.625	.367	4.33	.1427	.1340	.1271	.1217	.1505	.1418	.1345	.1295
.403	3.96	.720	.433	5.13	.1426	.1326	.1247	.1185	.1518	.1418	.1340	.1277
.423	3.67	.769	.449	5.48	.1444	.1338	.1255	.1189	.1542	.1437	.1354	.1288
.443	3.38	.816	.434	5.79	.1473	.1363	.1276	.1207	.1578	.1467	.1380	.1311
.483	2.81	.898	.513	6.36	.1569	.1450	.1357	.1282	.1684	.1565	.1471	.1396

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/BPX = 3.16

DEADRISE ANGLE = 12.5 DEG

FNW = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	5.51	.542	.355	2.58	.1520	.1447	.1389	.1344	.1583	.1510	.1453	.1407
.403	4.92	.556	.386	2.73	.1502	.1426	.1366	.1318	.1569	.1492	.1433	.1385
.423	4.65	.630	.418	3.09	.1506	.1421	.1355	.1302	.1581	.1497	.1431	.1378
.443	4.40	.713	.451	3.49	.1518	.1425	.1351	.1293	.1604	.1510	.1437	.1378
.483	3.97	.807	.439	4.00	.1570	.1465	.1383	.1317	.1668	.1563	.1481	.1415

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.43	.590	.317	3.31	.1469	.1378	.1307	.1250	.1550	.1460	.1388	.1331
.403	4.10	.681	.422	4.03	.1483	.1376	.1293	.1226	.1581	.1475	.1391	.1324
.423	3.91	.716	.433	4.23	.1501	.1391	.1303	.1234	.1605	.1494	.1407	.1337
.443	3.72	.753	.441	4.41	.1531	.1416	.1326	.1254	.1639	.1524	.1434	.1362
.483	3.36	.859	.493	5.03	.1633	.1506	.1406	.1325	.1756	.1629	.1529	.1448

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.84	.625	.334	4.17	.1506	.1395	.1307	.1238	.1608	.1497	.1409	.1340
.403	3.39	.727	.387	4.94	.1532	.1404	.1303	.1223	.1653	.1525	.1424	.1344
.423	3.22	.765	.404	5.24	.1578	.1444	.1338	.1254	.1706	.1572	.1466	.1382
.443	3.05	.800	.419	5.51	.1636	.1496	.1386	.1298	.1771	.1631	.1521	.1433
.483	2.59	.881	.464	6.09	.1761	.1610	.1490	.1395	.1910	.1759	.1640	.1544

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0304			
.403	4.13	.576	.348	2.68	.1531	.1435	.1360	.1301	.1617	.1521	.1446	.1386
.423	4.03	.656	.367	3.07	.1555	.1448	.1365	.1298	.1653	.1546	.1463	.1396
.443	3.88	.721	.420	3.41	.1591	.1474	.1383	.1310	.1700	.1584	.1492	.1419
.483	3.40	.806	.472	3.99	.1699	.1566	.1461	.1378	.1826	.1694	.1589	.1505

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.403	3.46	.683	.400	3.94	.1601	.1468	.1364	.1280	.1727	.1594	.1490	.1406
.423	3.37	.739	.401	4.21	.1629	.1488	.1378	.1298	.1763	.1623	.1513	.1424
.443	3.27	.787	.403	4.43	.1672	.1526	.1411	.1318	.1814	.1667	.1552	.1460
.493	3.03	.859	.448	4.75	.1805	.1651	.1529	.1432	.1957	.1803	.1682	.1584

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.27	.624	.302	4.01	.1651	.1514	.1407	.1321	.1779	.1642	.1535	.1449
.403	2.95	.726	.348	4.74	.1716	.1559	.1436	.1337	.1868	.1711	.1587	.1488
.423	2.83	.773	.368	5.09	.1766	.1600	.1469	.1364	.1928	.1762	.1631	.1526
.443	2.72	.815	.385	5.39	.1831	.1657	.1519	.1409	.2003	.1829	.1692	.1582
.483	2.39	.880	.415	5.78	.2020	.1836	.1691	.1574	.2205	.2021	.1876	.1759

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNW = 4.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.443	3.32	.715	.398	3.31	.1699	.1560	.1449	.1361	.1833	.1694	.1583	.1495
.483	3.01	.801	.411	3.72	.1913	.1758	.1637	.1539	.2063	.1909	.1787	.1690

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.443	2.91	.790	.365	4.24	.1849	.1675	.1537	.1427	.2020	.1846	.1709	.1599
.483	2.63	.861	.415	4.61	.2031	.1846	.1699	.1582	.2218	.2033	.1886	.1769

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.443	2.36	.815	.333	5.11	.2124	.1918	.1756	.1625	.2330	.2125	.1962	.1832
.483	2.20	.871	.375	5.53	.2333	.2115	.1942	.1803	.2557	.2339	.2166	.2027

RESISTANCE DATA					SERIES 62	MODEL 4666						
LP/BPX = 3.36					DEADRISE ANGLE = 12.5 DEG		FNV = 5.00					

WEIGHT = LIFT (L3, SEAWATER) = 1000					10000	100000	1000000	1000	10000	100000	1000000	

LP/V(1/3) = 4.5					LF (FT) = 11.2	24.2	52.2	112.5	11.2	24.2	52.2	112.5
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)	-----				-----			
.443	2.83	.737	.326	3.22	.1918	.1753	.1623	.1519	.2078	.1914	.1784	.1680
.493	2.70	.821	.470	3.76	.2081	.1893	.1745	.1626	.2269	.2081	.1933	.1814

LP/V(1/3) = 5.0					LP (FT) = 12.5	26.9	58.0	125.0	12.5	26.9	58.0	125.0
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)	-----				-----			
.443	2.58	.791	.331	4.10	.2109	.1905	.1743	.1614	.2314	.2110	.1948	.1819
.493	2.39	.863	.394	4.49	.2348	.2129	.1956	.1816	.2572	.2353	.2180	.2041

LP/V(1/3) = 5.5					LP (FT) = 13.7	29.6	63.8	137.5	13.7	29.6	63.8	137.5
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)	-----				-----			
.443	2.14	.813	.300	4.93	.2433	.2192	.2001	.1848	.2680	.2439	.2248	.2095
.493	2.00	.877	.342	5.35	.2722	.2465	.2261	.2098	.2989	.2732	.2529	.2365

RESISTANCE DATA

SERIES 62

MODEL 4666

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 5.50

.....													
WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000													
.....													
LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5													
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
LP	(DEG)	LP	LP	V(2/3)									
.443	2.91	.754	.308	3.14	.2126	.1934	.1782	.1661	.2315	.2124	.1972	.1851	
.483	2.32	.843	.367	3.69	.2365	.2146	.1973	.1833	.2568	.2369	.2195	.2056	
.....													
LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0													
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
LP	(DEG)	LP	LP	V(2/3)									
.443	2.28	.805	.318	4.11	.2438	.2195	.2003	.1849	.2687	.2444	.2252	.2097	
.483	2.17	.866	.354	4.45	.2657	.2398	.2193	.2028	.2926	.2667	.2462	.2298	
.....													
LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5													
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
LP	(DEG)	LP	LP	V(2/3)									
.443	1.93	.828	.270	4.85	.2840	.2558	.2334	.2155	.3133	.2851	.2628	.2448	
.483	1.88	.869	.312	5.23	.3095	.2795	.2557	.2366	.3411	.3111	.2873	.2682	
.....													

RESISTANCE DATA SERIES 62 MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.52	.978	1.000	7.61	.0673	.0655	.0640	.0629	.0689	.0670	.0656	.0644
.409	1.70	.960	.909	7.28	.0636	.0618	.0604	.0593	.0650	.0632	.0618	.0607
.429	.80	.969	.960	7.18	.0621	.0604	.0590	.0579	.0636	.0618	.0604	.0593
.449	-.10	.990	1.000	7.12	.0610	.0593	.0579	.0569	.0624	.0607	.0593	.0583

LP/V(1/3) = 5.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.63	.986	.921	8.16	.0601	.0581	.0566	.0554	.0617	.0598	.0582	.0570
.409	1.10	.951	.763	7.58	.0551	.0532	.0517	.0506	.0566	.0547	.0532	.0521
.429	.40	.967	.824	7.48	.0548	.0529	.0515	.0504	.0562	.0544	.0530	.0518
.449	-.27	.988	.910	7.52	.0552	.0533	.0519	.0508	.0567	.0548	.0534	.0523
.459	-1.61	1.000	.942	8.12	.0559	.0540	.0524	.0512	.0575	.0556	.0541	.0528

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	1.90	.953	.560	7.70	.0539	.0519	.0504	.0493	.0554	.0535	.0520	.0508
.409	.67	.973	.565	7.71	.0496	.0477	.0462	.0450	.0512	.0492	.0478	.0466
.429	.16	.987	.570	7.61	.0495	.0476	.0462	.0450	.0511	.0492	.0477	.0465
.449	-.35	.999	.576	7.70	.0501	.0482	.0467	.0455	.0516	.0497	.0482	.0470
.459	-1.55	1.000	.583	9.21	.0510	.0487	.0469	.0455	.0528	.0505	.0488	.0473

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 1.25

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.51	.893	.789	6.50	.1160	.1136	.1116	.1101	.1101	.1156	.1137	.1121
.409	1.88	.939	.749	6.75	.1041	.1015	.0995	.0980	.1062	.1036	.1017	.1001
.429	2.95	.964	.865	7.02	.1024	.0998	.0978	.0962	.1046	.1020	.1000	.0984
.443	1.94	.989	1.000	7.40	.1037	.1010	.0990	.0973	.1060	.1034	.1013	.0996

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.27	.901	.865	7.92	.0977	.0948	.0925	.0907	.1002	.0973	.0950	.0932
.409	2.83	.926	.785	7.73	.0890	.0862	.0839	.0822	.0914	.0886	.0864	.0846
.429	2.00	.955	.816	7.53	.0894	.0866	.0845	.0827	.0917	.0890	.0868	.0851
.449	1.20	.981	.866	7.42	.0914	.0887	.0866	.0850	.0938	.0911	.0890	.0873
.489	-1.00	.978	.936	7.90	.0965	.0937	.0915	.0897	.0990	.0962	.0939	.0922

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.15	.924	.873	8.99	.0825	.0793	.0768	.0748	.0853	.0821	.0796	.0776
.409	1.84	.958	.949	9.24	.0766	.0733	.0707	.0687	.0794	.0762	.0736	.0716
.429	1.24	.973	.889	8.84	.0773	.0744	.0721	.0703	.0798	.0769	.0746	.0728
.449	.67	.986	.452	8.98	.0800	.0774	.0754	.0737	.0822	.0796	.0775	.0759
.489	-1.43	.998	.715	8.38	.0896	.0866	.0842	.0823	.0922	.0892	.0868	.0849

RESISTANCE DATA SERIES 62 MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNW = 1.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.93	.854	.726	5.98	.1279	.1247	.1222	.1203	.1306	.1274	.1249	.1230
.409	4.31	.922	.675	6.04	.1135	.1103	.1078	.1058	.1162	.1130	.1105	.1085
.429	3.51	.952	.711	6.19	.1127	.1095	.1070	.1050	.1155	.1123	.1098	.1077
.449	2.70	.980	.788	6.41	.1163	.1130	.1104	.1083	.1192	.1159	.1133	.1112

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.59	.875	.788	7.29	.1081	.1043	.1014	.0991	.1114	.1076	.1047	.1023
.409	3.34	.926	.710	7.14	.1003	.0967	.0938	.0915	.1036	.0999	.0970	.0947
.429	2.68	.946	.764	7.15	.1014	.0978	.0949	.0926	.1046	.1010	.0981	.0959
.449	2.04	.962	.831	7.27	.1050	.1013	.0984	.0961	.1082	.1046	.1017	.0994
.489	.97	.976	.859	8.03	.1169	.1129	.1097	.1072	.1205	.1165	.1133	.1108

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.66	.897	.798	9.46	.0936	.0894	.0860	.0834	.0974	.0932	.0898	.0872
.409	2.41	.936	.898	9.08	.0897	.0852	.0817	.0788	.0937	.0893	.0857	.0829
.429	1.97	.949	.939	9.20	.0911	.0866	.0830	.0802	.0952	.0907	.0872	.0844
.449	1.56	.962	.950	9.22	.0949	.0904	.0868	.0840	.0990	.0945	.0910	.0881
.489	.50	.998	.829	9.03	.1096	.1051	.1016	.0988	.1137	.1092	.1057	.1029

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.03

DEADRISE ANGLE = 12.5 DEG

FNW = 1.75

.....

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

.....

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	6.76	.729	.625	4.49	.1467	.1435	.1409	.1389	.1495	.1462	.1437	.1417
.409	4.67	.988	.629	5.82	.1239	.1198	.1166	.1141	.1275	.1234	.1202	.1177
.429	3.93	.940	.672	6.17	.1222	.1179	.1146	.1119	.1260	.1217	.1184	.1157
.449	3.38	.948	.743	6.32	.1270	.1226	.1192	.1165	.1308	.1265	.1231	.1204

.....

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.01	.813	.729	6.33	.1207	.1163	.1129	.1102	.1245	.1202	.1168	.1141
.409	3.58	.914	.672	6.97	.1099	.1051	.1014	.0984	.1142	.1094	.1057	.1027
.429	2.82	.938	.721	7.12	.1109	.1061	.1023	.0993	.1153	.1104	.1067	.1037
.449	2.11	.950	.783	7.25	.1153	.1105	.1067	.1036	.1198	.1149	.1111	.1081
.489	1.08	.953	.830	7.73	.1320	.1269	.1228	.1196	.1368	.1316	.1276	.1243

.....

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.81	.869	.739	7.99	.1024	.0970	.0928	.0895	.1073	.1019	.0977	.0944
.409	2.66	.929	.869	8.90	.0982	.0924	.0879	.0842	.1037	.0979	.0933	.0897
.429	2.15	.944	.912	9.08	.1006	.0947	.0901	.0864	.1062	.1003	.0956	.0919
.449	1.67	.955	.933	9.09	.1059	.1000	.0954	.0917	.1115	.1056	.1010	.0973
.489	.88	.984	.894	8.65	.1252	.1196	.1152	.1117	.1305	.1249	.1205	.1170

.....

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/HPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNU = 2.00

WEIGHT = LIFT (LD, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	7.55	.661	.536	3.97	.1646	.1609	.1580	.1557	.1677	.1640	.1612	.1589
.409	5.44	.843	.531	5.44	.1367	.1318	.1280	.1249	.1411	.1362	.1323	.1293
.449	4.65	.898	.623	5.95	.1326	.1273	.1231	.1198	.1374	.1321	.1279	.1246
.443	4.03	.928	.700	6.34	.1350	.1294	.1250	.1215	.1400	.1345	.1301	.1266

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.73	.751	.700	5.58	.1378	.1329	.1291	.1260	.1423	.1374	.1335	.1304
.403	4.09	.877	.632	6.83	.1218	.1158	.1111	.1074	.1273	.1213	.1166	.1129
.429	3.30	.915	.686	7.37	.1208	.1144	.1094	.1054	.1267	.1203	.1153	.1113
.447	2.54	.938	.757	7.75	.1245	.1179	.1127	.1085	.1307	.1241	.1189	.1147
.439	1.13	.952	.833	7.74	.1469	.1403	.1352	.1311	.1538	.1465	.1414	.1373

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.26	.814	.632	7.27	.1167	.1105	.1055	.1016	.1225	.1163	.1114	.1074
.409	2.90	.908	.828	8.71	.1089	.1017	.0959	.0914	.1159	.1086	.1029	.0983
.423	2.32	.932	.882	9.05	.1107	.1032	.0973	.0926	.1179	.1104	.1045	.0998
.443	1.78	.949	.923	9.16	.1165	.1090	.1031	.0983	.1238	.1163	.1104	.1056
.439	.79	.978	.965	8.74	.1415	.1344	.1287	.1242	.1485	.1413	.1357	.1312

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FHV = 2.50

WEIGHT = LIFT (LG, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	7.13	.602	.526	3.67	.1592	.1540	.1499	.1467	.1638	.1586	.1545	.1513
.409	5.90	.708	.505	4.01	.1492	.1436	.1392	.1357	.1542	.1486	.1442	.1407
.429	5.27	.786	.526	4.39	.1447	.1387	.1340	.1302	.1502	.1442	.1394	.1357
.443	4.63	.880	.507	4.93	.1406	.1339	.1288	.1246	.1467	.1401	.1349	.1308

LP/V(1/3) = 6.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.78	.649	.612	4.97	.1418	.1351	.1298	.1256	.1480	.1413	.1360	.1318
.409	4.67	.753	.529	5.09	.1374	.1306	.1252	.1209	.1438	.1369	.1315	.1272
.429	4.07	.824	.570	5.56	.1340	.1267	.1209	.1162	.1410	.1336	.1278	.1232
.449	3.45	.889	.612	6.17	.1333	.1253	.1189	.1139	.1410	.1330	.1266	.1216
.439	2.19	.939	.712	7.37	.1500	.1406	.1332	.1272	.1592	.1498	.1424	.1364

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.53	.689	.614	6.07	.1304	.1223	.1160	.1110	.1379	.1299	.1236	.1186
.409	3.51	.833	.648	7.02	.1271	.1181	.1110	.1053	.1359	.1269	.1198	.1140
.429	2.97	.880	.737	7.69	.1283	.1186	.1109	.1048	.1379	.1282	.1205	.1144
.443	2.43	.914	.832	8.32	.1332	.1229	.1147	.1081	.1436	.1333	.1251	.1185
.433	1.38	.948	.918	9.05	.1599	.1488	.1400	.1330	.1712	.1601	.1513	.1443

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 3.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	6.00	.573	.497	3.44	.1507	.1439	.1386	.1343	.1569	.1501	.1448	.1405
.409	5.32	.674	.461	3.69	.1482	.1409	.1353	.1307	.1548	.1476	.1419	.1374
.429	4.90	.738	.479	4.02	.1478	.1401	.1340	.1292	.1551	.1473	.1413	.1364
.449	4.43	.811	.520	4.47	.1482	.1397	.1331	.1278	.1562	.1478	.1411	.1358

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.94	.588	.563	4.47	.1421	.1335	.1268	.1214	.1501	.1415	.1348	.1294
.409	4.45	.726	.478	4.72	.1452	.1362	.1292	.1236	.1537	.1447	.1377	.1321
.429	4.01	.788	.514	5.17	.1445	.1349	.1273	.1212	.1538	.1442	.1366	.1305
.449	3.54	.839	.567	5.65	.1449	.1345	.1263	.1198	.1550	.1447	.1365	.1299
.489	2.78	.901	.621	6.17	.1555	.1444	.1356	.1286	.1666	.1555	.1467	.1397

LP/V(1/3) = 6.5

LP (FT) = 6.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.08	.618	.555	5.37	.1377	.1276	.1197	.1134	.1473	.1373	.1293	.1230
.409	3.42	.788	.598	6.52	.1415	.1297	.1204	.1129	.1532	.1414	.1321	.1246
.429	3.10	.836	.651	7.06	.1430	.1304	.1205	.1125	.1557	.1431	.1332	.1252
.449	2.78	.869	.717	7.57	.1465	.1332	.1227	.1143	.1602	.1469	.1363	.1273
.483	2.07	.922	.861	8.46	.1663	.1518	.1403	.1310	.1815	.1670	.1555	.1463

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.05	.554	.467	3.27	.1461	.1375	.1307	.1253	.1541	.1455	.1387	.1333
.409	4.60	.658	.421	3.47	.1488	.1397	.1326	.1270	.1572	.1482	.1411	.1355
.429	4.27	.711	.442	3.76	.1525	.1429	.1353	.1292	.1617	.1521	.1445	.1384
.449	3.87	.764	.493	4.18	.1578	.1473	.1390	.1324	.1681	.1575	.1493	.1426

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.23	.550	.525	4.13	.1434	.1328	.1245	.1178	.1535	.1429	.1346	.1279
.409	3.87	.688	.440	4.36	.1497	.1386	.1299	.1230	.1604	.1493	.1406	.1337
.429	3.49	.748	.472	4.79	.1542	.1423	.1329	.1253	.1659	.1540	.1446	.1371
.449	3.11	.801	.520	5.27	.1593	.1464	.1362	.1281	.1722	.1593	.1491	.1410
.459	2.79	.881	.565	5.85	.1701	.1561	.1450	.1360	.1845	.1704	.1593	.1504

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.65	.582	.516	4.97	.1445	.1320	.1222	.1144	.1566	.1442	.1344	.1265
.409	3.09	.741	.552	6.07	.1544	.1398	.1282	.1189	.1693	.1546	.1430	.1337
.429	2.87	.803	.591	6.52	.1601	.1446	.1323	.1224	.1761	.1605	.1483	.1384
.449	2.65	.851	.616	6.96	.1671	.1508	.1378	.1273	.1842	.1678	.1548	.1444
.459	2.08	.903	.739	8.08	.1876	.1693	.1547	.1429	.2075	.1891	.1744	.1627

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BFX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 4.00

 WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.34	.550	.444	3.17	.1484	.1377	.1293	.1226	.1585	.1479	.1395	.1328
.409	3.85	.661	.333	3.34	.1554	.1443	.1356	.1286	.1661	.1550	.1463	.1392
.429	3.64	.712	.434	3.62	.1606	.1498	.1394	.1319	.1722	.1603	.1510	.1435
.449	3.47	.761	.458	4.03	.1669	.1540	.1438	.1355	.1798	.1669	.1566	.1494

LP/V(1/3) = 5.0 LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.77	.526	.531	3.92	.1533	.1405	.1304	.1223	.1659	.1530	.1429	.1348
.409	3.31	.675	.404	4.14	.1643	.1509	.1403	.1318	.1776	.1641	.1536	.1451
.429	3.10	.742	.415	4.53	.1705	.1559	.1443	.1351	.1852	.1706	.1590	.1497
.449	2.91	.800	.414	5.08	.1773	.1614	.1489	.1388	.1936	.1777	.1651	.1550
.449	2.53	.875	.526	5.63	.1937	.1764	.1627	.1517	.2117	.1944	.1807	.1697

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.13	.555	.434	4.72	.1630	.1479	.1359	.1264	.1781	.1630	.1510	.1414
.409	2.82	.700	.531	5.69	.1774	.1598	.1458	.1346	.1956	.1780	.1640	.1528
.429	2.62	.776	.547	6.18	.1848	.1659	.1509	.1389	.2046	.1857	.1707	.1587
.449	2.42	.842	.577	6.69	.1929	.1728	.1568	.1439	.2143	.1942	.1782	.1653
.449	2.01	.896	.724	7.73	.2131	.1905	.1725	.1579	.2378	.2152	.1972	.1827

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.19

DEADRISE ANGLE = 12.5 DEG

FNV = 4.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.403	3.40	.668	.307	3.31	.1685	.1549	.1441	.1355	.1819	.1683	.1576	.1489
.429	3.23	.716	.339	3.62	.1775	.1629	.1513	.1420	.1922	.1775	.1659	.1567
.449	3.06	.765	.423	3.92	.1865	.1709	.1585	.1486	.2024	.1869	.1744	.1644

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.469	3.13	.506	.441	3.74	.1704	.1552	.1431	.1335	.1855	.1703	.1583	.1486
.409	2.97	.675	.338	4.07	.1833	.1670	.1541	.1437	.1998	.1835	.1705	.1602
.429	2.84	.745	.411	4.50	.1953	.1775	.1634	.1522	.2135	.1957	.1817	.1704
.449	2.67	.805	.450	4.95	.2072	.1880	.1729	.1605	.2273	.2081	.1928	.1806
.433	2.12	.875	.432	5.42	.2201	.1994	.1830	.1698	.2420	.2214	.2050	.1918

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.469	2.80	.543	.455	4.47	.1874	.1696	.1554	.1441	.2055	.1876	.1735	.1622
.433	2.55	.695	.502	5.51	.2027	.1815	.1646	.1511	.2251	.2037	.1869	.1734
.453	2.38	.775	.517	6.02	.2137	.1908	.1727	.1582	.2380	.2152	.1971	.1825
.449	2.21	.841	.545	6.53	.2255	.2011	.1817	.1661	.2519	.2275	.2082	.1926
.433	1.90	.885	.699	7.51	.2474	.2201	.1984	.1808	.2778	.2505	.2287	.2112

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 5.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.409	3.00	.670	.343	3.23	.1851	.1690	.1563	.1461	.2012	.1851	.1724	.1622
.429	2.89	.723	.366	3.52	.1954	.1781	.1644	.1535	.2129	.1957	.1820	.1710
.449	2.78	.775	.389	3.80	.2056	.1872	.1726	.1609	.2246	.2062	.1916	.1799

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.87	.488	.454	1.58	.1926	.1749	.1608	.1495	.2105	.1927	.1787	.1674
.409	2.67	.674	.362	3.95	.2067	.1975	.1722	.1599	.2265	.2072	.1920	.1797
.429	2.50	.750	.378	4.37	.2108	.1978	.1813	.1679	.2406	.2197	.2031	.1898
.449	2.29	.811	.411	4.79	.2311	.2085	.1906	.1762	.2550	.2325	.2146	.2001
.489	1.92	.874	.447	5.27	.2475	.2231	.2037	.1881	.2739	.2494	.2300	.2144

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.49	.549	.448	4.44	.2143	.1928	.1758	.1621	.2365	.2150	.1980	.1843
.409	2.26	.712	.475	4.45	.2344	.2090	.1888	.1725	.2616	.2362	.2160	.1998
.429	2.11	.784	.488	5.91	.2443	.2172	.1956	.1782	.2739	.2467	.2252	.2078
.449	1.96	.842	.515	6.37	.2554	.2266	.2036	.1851	.2872	.2584	.2354	.2169
.489	1.79	.885	.657	7.35	.2841	.2517	.2258	.2050	.3208	.2884	.2626	.2417

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.33

DEADRISE ANGLE = 12.5 DEG

FNV = 5.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.409	2.53	.085	.317	3.19	.2115	.1926	.1776	.1656	.2308	.2119	.1969	.1849
.429	2.47	.737	.343	3.49	.2233	.2023	.1868	.1738	.2443	.2240	.2079	.1949
.449	2.42	.789	.359	3.79	.2351	.2133	.1960	.1821	.2579	.2362	.2189	.2050

LP/V(1/3) = 5.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.68	.461	.440	3.35	.2154	.1955	.1797	.1670	.2357	.2157	.2000	.1873
.409	2.34	.697	.324	3.89	.2386	.2161	.1982	.1838	.2621	.2396	.2217	.2073
.429	2.19	.771	.345	4.32	.2547	.2301	.2106	.1949	.2808	.2562	.2367	.2210
.449	2.04	.822	.353	4.72	.2699	.2434	.2224	.2055	.2984	.2720	.2510	.2340
.469	1.73	.874	.406	5.06	.2854	.2575	.2352	.2173	.3160	.2880	.2658	.2479

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.22	.553	.429	4.36	.2461	.2210	.2012	.1852	.2724	.2474	.2275	.2115
.409	2.01	.718	.447	5.34	.2678	.2381	.2146	.1956	.3001	.2705	.2469	.2279
.429	1.93	.789	.463	5.80	.2825	.2508	.2255	.2052	.3176	.2858	.2606	.2402
.449	1.77	.844	.484	6.26	.2977	.2639	.2371	.2154	.3355	.3017	.2749	.2532
.469	1.56	.885	.534	7.22	.3234	.2855	.2552	.2308	.3671	.3292	.2989	.2744

RESISTANCE DATA

SERIES 62

MODEL 4667-1

LP/BPX = 4.09

DEADRISE ANGLE = 12.5 DEG

FNV = 6.00

WEIGHT = LIFT (L₉, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.409	2.34	.728	.761	3.14	.2367	.2149	.1976	.1837	.2593	.2375	.2202	.2063
.429	2.22	.770	.302	3.44	.2452	.2216	.2030	.1880	.2700	.2464	.2278	.2128
.449	2.11	.812	.343	3.75	.2537	.2285	.2085	.1924	.2806	.2554	.2354	.2193

LP/V(1/3) = 6.0

LP (FT) = 15.0 32.3 69.6 150.0 15.0 32.3 69.6 150.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.46	.444	.426	3.23	.2417	.2191	.2011	.1867	.2650	.2423	.2244	.2100
.409	2.04	.725	.250	3.68	.2696	.2444	.2245	.2084	.2961	.2709	.2510	.2349
.423	1.95	.795	.291	4.15	.2839	.2561	.2341	.2163	.3138	.2860	.2640	.2462
.449	1.88	.835	.357	4.51	.2979	.2677	.2436	.2242	.3311	.3008	.2768	.2574
.489	1.63	.875	.371	4.92	.3232	.2912	.2658	.2452	.3586	.3266	.3012	.2806

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.00	.539	.411	4.29	.2752	.2461	.2231	.2045	.3061	.2770	.2540	.2354
.409	1.41	.708	.416	5.11	.3008	.2674	.2409	.2194	.3376	.3052	.2777	.2562
.429	1.75	.786	.436	5.62	.3180	.2819	.2532	.2300	.3584	.3223	.2936	.2704
.449	1.68	.847	.472	6.13	.3364	.2976	.2667	.2417	.3805	.3417	.3108	.2859
.453	1.33	.876	.610	7.05	.3723	.3287	.2940	.2659	.4230	.3795	.3447	.3166

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNV = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.163	2.07	.957	.900	6.98	.0510	.0494	.0481	.0470	.0524	.0508	.0495	.0484
.403	1.12	.971	.994	7.60	.0484	.0466	.0452	.0440	.0499	.0481	.0467	.0456
.429	.49	.981	1.000	7.69	.0466	.0448	.0434	.0423	.0482	.0464	.0449	.0438
.449	-.25	.993	1.000	7.62	.0446	.0429	.0415	.0404	.0462	.0444	.0430	.0419

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.169	1.58	.956	.793	7.43	.0459	.0441	.0427	.0416	.0474	.0456	.0442	.0431
.403	.81	.968	.856	8.07	.0433	.0414	.0399	.0387	.0449	.0430	.0415	.0403
.429	.22	.977	.886	8.13	.0422	.0403	.0388	.0377	.0439	.0420	.0405	.0393
.449	-.38	.984	.899	8.08	.0414	.0395	.0380	.0368	.0430	.0411	.0396	.0384
.489	-1.19	.988	.822	7.78	.0403	.0385	.0370	.0359	.0419	.0400	.0386	.0374

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.163	1.43	.952	.620	8.05	.0428	.0409	.0394	.0382	.0444	.0425	.0410	.0398
.403	.49	.969	.639	8.14	.0391	.0372	.0356	.0344	.0407	.0388	.0373	.0361
.429	.02	.973	.649	8.11	.0386	.0367	.0352	.0340	.0402	.0383	.0368	.0356
.449	-.42	.976	.656	8.06	.0384	.0365	.0350	.0338	.0400	.0381	.0366	.0354
.489	-1.11	.988	.650	7.98	.0364	.0345	.0331	.0319	.0380	.0361	.0346	.0335

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/BPX = 5.40

DEADRISE ANGLE = 12.5 DEG

FNU = 1.25

WEIGHT = LIFT (L9, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5

16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.39	.341	.737	7.22	.0838	.0812	.0791	.0775	.0860	.0834	.0814	.0798
.409	2.26	.962	.865	7.18	.0766	.0740	.0720	.0704	.0789	.0763	.0743	.0727
.423	1.63	.972	.940	7.38	.0747	.0721	.0700	.0684	.0770	.0744	.0724	.0707
.449	.99	.983	1.000	7.72	.0739	.0712	.0691	.0674	.0763	.0736	.0715	.0698

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0

17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.63	.943	.764	7.95	.0727	.0698	.0676	.0659	.0752	.0723	.0701	.0683
.409	1.67	.958	.845	8.02	.0671	.0642	.0620	.0603	.0696	.0668	.0645	.0628
.423	1.11	.963	.872	8.04	.0664	.0636	.0613	.0596	.0689	.0661	.0639	.0621
.449	.74	.980	.880	8.03	.0664	.0636	.0614	.0596	.0689	.0661	.0639	.0621
.459	-.46	.988	.809	7.90	.0665	.0637	.0615	.0598	.0690	.0662	.0640	.0623

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5

18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.20	.936	.704	9.45	.0658	.0628	.0604	.0586	.0694	.0654	.0631	.0612
.409	1.12	.950	.831	8.97	.0586	.0555	.0533	.0511	.0614	.0583	.0558	.0539
.423	.66	.964	.712	8.31	.0584	.0560	.0537	.0519	.0615	.0586	.0563	.0545
.449	.22	.970	.577	7.61	.0604	.0577	.0555	.0539	.0628	.0601	.0579	.0562
.483	-.74	.988	.590	7.73	.0626	.0598	.0576	.0559	.0650	.0622	.0601	.0583

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNS = 1.50

.....
 WEIGHT = LIFT (L3, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.63	.912	.738	6.94	.0984	.0349	.0322	.0300	.1015	.0980	.0953	.0931
.439	2.79	.943	.815	7.09	.0903	.0367	.0339	.0317	.0934	.0899	.0871	.0849
.429	2.20	.958	.855	7.22	.0889	.0354	.0326	.0303	.0922	.0886	.0858	.0836
.449	1.57	.972	.897	7.38	.0895	.0358	.0330	.0307	.0928	.0891	.0863	.0840

.....

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.04	.919	.719	7.74	.0865	.0326	.0296	.0272	.0899	.0861	.0831	.0807
.409	2.18	.944	.794	7.83	.0812	.0273	.0243	.0219	.0847	.0808	.0778	.0754
.429	1.65	.957	.840	8.04	.0809	.0270	.0233	.0215	.0845	.0806	.0775	.0751
.449	1.11	.968	.834	8.26	.0822	.0272	.0251	.0225	.0859	.0819	.0798	.0763
.469	.21	.985	.941	8.43	.0892	.0351	.0319	.0294	.0930	.0889	.0857	.0832

.....

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.68	.913	.691	8.25	.0806	.0265	.0233	.0208	.0843	.0802	.0770	.0745
.409	1.60	.949	.777	8.70	.0727	.0255	.0251	.0225	.0766	.0724	.0691	.0664
.429	1.15	.957	.827	8.90	.0739	.0266	.0262	.0235	.0779	.0736	.0702	.0675
.449	.75	.963	.869	9.06	.0769	.0226	.0262	.0264	.0810	.0767	.0732	.0705
.469	.05	.976	.905	9.20	.0839	.0295	.0261	.0233	.0881	.0837	.0802	.0775

.....

RESISTANCE DATA SERIES 62 MODEL 4668

LP/BFX = 5.50

SLADRISE ANGLE = 12.5 DEG

FNV = 1.75

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 5.5

LP (FT) = 15.2 35.0 75.4 162.5

16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.163	3.94	.885	.715	6.40	.1075	.1032	.0999	.0972	.1114	.1071	.1038	.1011
.433	3.01	.934	.740	6.92	.0991	.0945	.0903	.0881	.1033	.0988	.0952	.0923
.723	2.41	.951	.821	7.12	.0983	.0937	.0900	.0871	.1027	.0980	.0944	.0914
.943	1.72	.964	.857	7.29	.0999	.0951	.0914	.0884	.1043	.0996	.0959	.0929

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0

17.5 37.7 81.2 175.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.163	3.17	.900	.692	7.22	.0971	.0924	.0886	.0856	.1015	.0968	.0930	.0900
.433	2.33	.934	.758	7.53	.0922	.0872	.0833	.0801	.0969	.0919	.0880	.0848
.723	1.85	.943	.812	7.90	.0927	.0875	.0835	.0803	.0975	.0924	.0884	.0852
.943	1.33	.962	.845	8.09	.0930	.0893	.0857	.0824	.0999	.0947	.0906	.0874
.999	.51	.984	.919	8.31	.1047	.0994	.0952	.0919	.1097	.1045	.1003	.0970

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5

18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.163	2.83	.895	.647	7.84	.0905	.0854	.0814	.0781	.0953	.0902	.0862	.0829
.433	1.79	.937	.740	8.46	.0864	.0809	.0767	.0732	.0915	.0861	.0818	.0784
.723	1.40	.949	.715	8.65	.0870	.0815	.0771	.0736	.0923	.0868	.0824	.0789
.943	1.05	.957	.827	8.81	.0895	.0839	.0795	.0760	.0949	.0893	.0849	.0814
.999	.33	.971	.911	9.11	.1004	.0947	.0902	.0865	.1060	.1002	.0957	.0921

RESISTANCE DATA

SERIES 62

MODEL 466A

LP/BFX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNU = 2.00

WEIGHT = LIFT (L9, SEAWATER) = 1000 10300 100000 1000000 1000 10000 103000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.33	.846	.639	5.95	.1185	.1134	.1093	.1061	.1233	.1182	.1141	.1109
.409	3.15	.921	.765	6.63	.1082	.1026	.0982	.0946	.1136	.1079	.1035	.1000
.429	2.52	.944	.833	6.92	.1087	.1029	.0984	.0948	.1142	.1085	.1039	.1003
.449	1.85	.958	.842	7.05	.1129	.1071	.1024	.0987	.1186	.1127	.1081	.1044

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.36	.877	.657	6.84	.1064	.1006	.0961	.0924	.1119	.1061	.1015	.0979
.409	2.48	.926	.742	7.46	.1017	.0955	.0905	.0868	.1077	.1015	.0966	.0927
.429	1.96	.942	.733	7.63	.1034	.0971	.0921	.0881	.1096	.1032	.0983	.0943
.449	1.44	.955	.820	7.85	.1075	.1011	.0960	.0920	.1138	.1074	.1023	.0982
.459	.57	.979	.875	8.09	.1219	.1153	.1102	.1060	.1284	.1218	.1166	.1125

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 97.0 187.5 18.7 40.4 97.0 187.5

LCG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.87	.877	.627	7.51	.1005	.0943	.0893	.0854	.1065	.1003	.0953	.0914
.409	1.90	.935	.712	8.24	.0973	.0906	.0853	.0810	.1039	.0972	.0919	.0876
.429	1.50	.945	.737	8.46	.0990	.0922	.0867	.0824	.1058	.0989	.0935	.0891
.449	1.14	.951	.802	8.64	.1028	.0959	.0903	.0859	.1098	.1028	.0973	.0928
.459	.42	.970	.875	9.05	.1165	.1093	.1036	.0990	.1238	.1165	.1108	.1062

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNV = 2.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.31	.716	.577	4.64	.1411	.1350	.1302	.1263	.1469	.1408	.1360	.1321
.409	3.90	.866	.653	5.92	.1311	.1235	.1176	.1128	.1385	.1309	.1250	.1202
.429	3.07	.912	.714	6.33	.1312	.1233	.1170	.1119	.1392	.1312	.1249	.1198
.449	2.18	.934	.771	6.59	.1348	.1266	.1201	.1149	.1430	.1348	.1283	.1231

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.95	.762	.583	5.69	.1257	.1183	.1125	.1079	.1328	.1254	.1196	.1150
.409	2.93	.888	.659	6.78	.1257	.1172	.1105	.1051	.1341	.1256	.1189	.1135
.429	2.23	.922	.705	7.17	.1269	.1180	.1110	.1053	.1359	.1270	.1200	.1143
.449	1.55	.944	.758	7.50	.1318	.1226	.1153	.1094	.1412	.1320	.1247	.1188
.489	.68	.967	.890	8.01	.1606	.1509	.1433	.1371	.1706	.1609	.1533	.1471

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.34	.764	.558	6.35	.1232	.1151	.1086	.1035	.1311	.1230	.1166	.1115
.409	2.14	.908	.651	7.68	.1234	.1139	.1064	.1004	.1329	.1235	.1160	.1108
.429	1.63	.934	.674	8.06	.1258	.1159	.1081	.1019	.1359	.1260	.1182	.1119
.449	1.27	.944	.740	8.34	.1313	.1211	.1131	.1067	.1417	.1316	.1235	.1171
.489	.53	.963	.845	8.86	.1555	.1449	.1365	.1297	.1666	.1560	.1476	.1408

RESISTANCE DATA SERIES 62 MODEL 4668

LP/RPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNW = 3.00

WEIGHT = LIFT (L_R, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.45	.622	.500	3.80	.1500	.1428	.1371	.1326	.1568	.1496	.1440	.1395
.409	4.64	.705	.558	4.35	.1432	.1352	.1289	.1238	.1510	.1430	.1367	.1316
.429	4.09	.777	.603	4.83	.1436	.1348	.1279	.1224	.1523	.1435	.1366	.1311
.449	3.44	.869	.657	5.47	.1465	.1368	.1291	.1230	.1563	.1466	.1390	.1328

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.49	.653	.499	4.55	.1420	.1336	.1269	.1216	.1582	.1418	.1351	.1298
.409	3.71	.758	.562	5.34	.1395	.1299	.1223	.1162	.1491	.1395	.1319	.1258
.429	3.16	.834	.607	5.96	.1426	.1321	.1237	.1171	.1533	.1428	.1345	.1278
.449	2.55	.904	.651	6.58	.1496	.1382	.1291	.1219	.1615	.1500	.1410	.1337
.489	1.39	.950	.738	7.43	.1784	.1678	.1559	.1478	.1918	.1792	.1692	.1612

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.88	.671	.490	5.27	.1385	.1289	.1213	.1153	.1480	.1384	.1308	.1247
.409	2.81	.831	.572	6.65	.1418	.1302	.1210	.1136	.1538	.1422	.1329	.1255
.429	2.30	.884	.610	7.20	.1465	.1341	.1242	.1163	.1595	.1471	.1372	.1293
.449	1.82	.922	.653	7.68	.1550	.1419	.1315	.1231	.1688	.1557	.1453	.1369
.489	.98	.950	.777	8.46	.1884	.1742	.1630	.1539	.2036	.1895	.1782	.1692

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNV = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.76	.602	.470	3.58	.1523	.1433	.1362	.1305	.1610	.1521	.1450	.1393
.409	4.35	.672	.518	4.05	.1512	.1412	.1333	.1270	.1611	.1511	.1433	.1369
.429	3.98	.728	.550	4.42	.1521	.1414	.1330	.1262	.1630	.1523	.1438	.1370
.449	3.52	.798	.519	4.86	.1541	.1425	.1334	.1260	.1660	.1544	.1453	.1379

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.03	.620	.461	4.22	.1504	.1400	.1318	.1252	.1608	.1503	.1421	.1355
.409	3.60	.707	.514	4.87	.1525	.1408	.1316	.1241	.1645	.1527	.1435	.1360
.429	3.23	.773	.530	5.36	.1555	.1428	.1323	.1247	.1686	.1559	.1453	.1378
.449	2.81	.846	.548	5.85	.1603	.1467	.1359	.1272	.1746	.1610	.1502	.1415
.489	2.05	.915	.633	6.46	.1770	.1622	.1505	.1411	.1928	.1781	.1663	.1569

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.64	.616	.443	4.78	.1512	.1335	.1302	.1228	.1629	.1512	.1419	.1345
.409	2.89	.760	.513	5.92	.1576	.1437	.1327	.1238	.1721	.1582	.1472	.1383
.429	2.54	.828	.550	6.45	.1637	.1488	.1370	.1274	.1795	.1646	.1527	.1432
.449	2.20	.884	.587	6.91	.1717	.1559	.1434	.1333	.1886	.1728	.1603	.1502
.489	1.51	.929	.663	7.53	.1934	.1765	.1631	.1522	.2119	.1950	.1815	.1707

RESISTANCE DATA SERIES 62 MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNO = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.35	.584	.416	3.37	.1589	.1481	.1395	.1326	.1697	.1589	.1503	.1434
.409	3.86	.654	.430	3.85	.1621	.1499	.1403	.1326	.1744	.1622	.1526	.1449
.429	3.62	.698	.509	4.15	.1650	.1521	.1419	.1336	.1783	.1654	.1551	.1469
.449	3.40	.750	.543	4.48	.1689	.1551	.1442	.1355	.1832	.1695	.1586	.1498

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.74	.601	.430	3.96	.1613	.1488	.1389	.1310	.1740	.1615	.1516	.1436
.409	3.33	.680	.475	4.56	.1679	.1538	.1427	.1337	.1825	.1684	.1572	.1483
.429	3.07	.737	.506	4.96	.1727	.1576	.1456	.1359	.1886	.1734	.1615	.1518
.449	2.80	.794	.539	5.38	.1791	.1629	.1501	.1398	.1963	.1801	.1673	.1570
.483	2.22	.867	.601	6.08	.1987	.1809	.1666	.1552	.2182	.2003	.1861	.1746

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.27	.601	.414	4.46	.1643	.1503	.1393	.1304	.1786	.1646	.1535	.1446
.409	2.79	.715	.475	5.42	.1784	.1620	.1489	.1385	.1957	.1793	.1663	.1558
.429	2.52	.780	.502	5.91	.1866	.1690	.1550	.1437	.2055	.1879	.1739	.1626
.449	2.25	.838	.529	6.36	.1959	.1772	.1623	.1503	.2162	.1975	.1826	.1706
.483	1.76	.904	.592	7.04	.2185	.1981	.1819	.1689	.2410	.2207	.2045	.1914

RESISTANCE DATA SERIES 62 MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNW = 4.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LOG LP	TRIM (DEG)	LK LP	L3 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.74	.577	.423	3.29	.1670	.1539	.1435	.1351	.1803	.1672	.1568	.1484
.409	3.44	.641	.459	3.70	.1732	.1586	.1472	.1379	.1881	.1736	.1621	.1529
.423	3.23	.686	.482	3.98	.1786	.1632	.1510	.1412	.1947	.1793	.1671	.1573
.449	2.98	.740	.509	4.30	.1857	.1693	.1563	.1458	.2031	.1867	.1737	.1632

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LOG LP	TRIM (DEG)	LK LP	L3 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.28	.595	.411	3.84	.1754	.1603	.1483	.1387	.1909	.1758	.1639	.1543
.409	2.94	.666	.430	4.37	.1841	.1673	.1540	.1432	.2018	.1850	.1716	.1609
.429	2.73	.723	.475	4.75	.1916	.1736	.1593	.1476	.2108	.1928	.1785	.1670
.449	2.52	.779	.500	5.14	.2014	.1822	.1670	.1547	.2222	.2030	.1878	.1755
.489	2.11	.853	.548	5.72	.2282	.2072	.1905	.1771	.2514	.2304	.2137	.2002

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	L3 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.94	.600	.396	4.31	.1851	.1683	.1550	.1443	.2026	.1858	.1725	.1618
.409	2.49	.701	.441	5.16	.2024	.1829	.1675	.1550	.2233	.2038	.1884	.1759
.429	2.30	.760	.489	5.62	.2102	.1893	.1728	.1594	.2329	.2121	.1955	.1821
.449	2.12	.815	.492	6.05	.2196	.1974	.1798	.1655	.2441	.2219	.2043	.1900
.489	1.74	.885	.513	6.75	.2500	.2255	.2061	.1904	.2773	.2528	.2334	.2177

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/8PX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNV = 5.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5

LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.38	.577	.339	3.20	.1830	.1675	.1552	.1453	.1990	.1835	.1712	.1613
.439	2.99	.642	.441	3.64	.1928	.1755	.1617	.1507	.2110	.1937	.1799	.1689
.429	2.83	.683	.462	3.90	.1984	.1801	.1656	.1539	.2179	.1996	.1851	.1734
.443	2.69	.730	.454	4.19	.2046	.1852	.1698	.1574	.2256	.2061	.1907	.1783

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.95	.595	.346	3.73	.1957	.1779	.1638	.1524	.2143	.1965	.1824	.1710
.409	2.62	.665	.424	4.25	.2071	.1872	.1715	.1588	.2283	.2084	.1927	.1800
.429	2.47	.716	.450	4.61	.2149	.1937	.1769	.1632	.2380	.2167	.1999	.1863
.449	2.32	.766	.475	4.96	.2249	.2023	.1844	.1699	.2497	.2271	.2092	.1947
.443	2.01	.830	.514	5.44	.2526	.2283	.2089	.1932	.2798	.2555	.2361	.2204

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.66	.600	.350	4.13	.2055	.1857	.1700	.1574	.2264	.2066	.1909	.1783
.409	2.26	.696	.417	4.94	.2246	.2019	.1839	.1693	.2493	.2266	.2086	.1940
.429	2.13	.757	.437	5.33	.2363	.2119	.1925	.1768	.2632	.2388	.2194	.2038
.443	2.01	.801	.456	5.83	.2497	.2237	.2029	.1862	.2788	.2528	.2321	.2154
.439	1.70	.874	.512	6.49	.2926	.2541	.2315	.2132	.3150	.2866	.2639	.2456

RESISTANCE DATA

SERIES 62

MODEL 4668

LP/BPX = 5.50

DEADRISE ANGLE = 12.5 DEG

FNV = 5.50

 WEIGHT = LIFT (L9, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 6.5 LP (FT) = 16.2 35.0 75.4 162.5 16.2 35.0 75.4 162.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR CCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.409	2.71	.646	.414	3.55	.2136	.1935	.1776	.1648	.2351	.2150	.1991	.1862
.423	2.56	.683	.436	3.79	.2214	.2002	.1833	.1697	.2443	.2231	.2063	.1927
.449	2.41	.721	.459	4.03	.2232	.2068	.1891	.1748	.2536	.2312	.2135	.1992

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.62	.594	.361	3.62	.2180	.1975	.1811	.1680	.2399	.2193	.2030	.1898
.409	2.39	.665	.406	4.14	.2338	.2107	.1924	.1777	.2588	.2358	.2175	.2027
.423	2.22	.703	.425	4.47	.2432	.2186	.1991	.1833	.2703	.2457	.2261	.2103
.449	2.06	.753	.450	4.78	.2539	.2279	.2072	.1905	.2828	.2568	.2361	.2195
.439	1.89	.816	.438	5.09	.2793	.2522	.2305	.2130	.3101	.2829	.2613	.2438

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.33	.593	.338	4.07	.2317	.2088	.1905	.1759	.2563	.2334	.2151	.2005
.409	2.10	.695	.331	4.85	.2582	.2317	.2105	.1935	.2875	.2610	.2399	.2229
.423	1.96	.742	.417	5.25	.2697	.2413	.2188	.2036	.3014	.2731	.2505	.2323
.443	1.83	.787	.441	5.62	.2822	.2522	.2283	.2090	.3162	.2862	.2623	.2430
.433	1.60	.861	.430	6.13	.3168	.2844	.2586	.2377	.3542	.3218	.2960	.2751

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/BPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNW = 1.00

.....
 WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	2.15	.968	1.000	7.83	.0491	.0473	.0453	.0448	.0507	.0489	.0475	.0463
.403	1.05	.990	.997	7.55	.0446	.0429	.0415	.0404	.0461	.0444	.0430	.0419
.429	.49	.999	.998	7.36	.0423	.0406	.0393	.0382	.0438	.0421	.0408	.0397
.449	-.07	1.000	1.000	7.14	.0400	.0383	.0370	.0360	.0414	.0397	.0385	.0374

.....

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	1.67	.965	1.000	8.47	.0442	.0423	.0408	.0396	.0459	.0440	.0425	.0413
.409	.78	.985	.982	8.03	.0416	.0398	.0383	.0372	.0432	.0414	.0399	.0388
.429	.32	.995	.995	7.87	.0393	.0375	.0361	.0350	.0409	.0391	.0376	.0365
.449	-.16	1.000	1.000	7.75	.0363	.0346	.0332	.0321	.0379	.0361	.0347	.0336

.....

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	1.45	.960	.866	8.64	.0422	.0403	.0387	.0375	.0440	.0420	.0404	.0392
.409	.62	.980	.935	8.79	.0391	.0371	.0356	.0343	.0409	.0389	.0373	.0361
.429	.22	.983	.937	8.74	.0367	.0348	.0332	.0320	.0385	.0365	.0350	.0337
.449	-.17	.996	.996	8.65	.0347	.0328	.0313	.0301	.0365	.0345	.0330	.0318
.489	-.81	1.000	1.000	8.49	.0347	.0328	.0313	.0301	.0364	.0345	.0330	.0318

.....

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	1.38	.955	.847	8.53	.0426	.0406	.0391	.0378	.0443	.0423	.0408	.0395
.409	.53	.976	.991	9.74	.0370	.0348	.0331	.0317	.0389	.0368	.0350	.0337
.429	.19	.982	1.000	9.44	.0356	.0334	.0317	.0303	.0376	.0354	.0337	.0323
.449	-.14	.987	.987	9.77	.0348	.0327	.0310	.0296	.0368	.0346	.0329	.0316
.489	-.80	.997	.997	9.56	.0339	.0317	.0301	.0287	.0358	.0337	.0320	.0307

.....

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/SPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNV = 1.25

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LOG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.29	.945	.926	7.58	.0731	.0765	.0744	.0728	.0815	.0789	.0768	.0751
.403	1.92	.981	.977	7.95	.0734	.0706	.0685	.0668	.0759	.0731	.0710	.0692
.423	1.32	.996	.995	7.83	.0701	.0674	.0653	.0636	.0725	.0698	.0677	.0660
.443	.77	1.000	1.000	7.50	.0665	.0639	.0619	.0603	.0688	.0663	.0642	.0626

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.52	.947	.929	8.17	.0654	.0626	.0604	.0586	.0679	.0651	.0629	.0611
.403	1.44	.978	.978	8.74	.0649	.0619	.0596	.0577	.0677	.0647	.0623	.0605
.423	.92	.989	.991	8.53	.0629	.0600	.0577	.0559	.0656	.0627	.0604	.0586
.443	.41	.998	.999	7.98	.0597	.0570	.0549	.0532	.0622	.0595	.0573	.0556

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LOG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.11	.946	.933	8.92	.0608	.0578	.0554	.0535	.0636	.0606	.0582	.0563
.403	1.13	.972	.971	9.34	.0591	.0560	.0535	.0516	.0621	.0589	.0564	.0545
.423	.65	.982	.983	9.09	.0572	.0541	.0517	.0498	.0600	.0570	.0546	.0526
.443	.23	.992	.992	8.75	.0555	.0525	.0502	.0484	.0582	.0553	.0530	.0511
.443	-.54	1.000	1.000	8.57	.0560	.0532	.0509	.0491	.0587	.0559	.0536	.0518

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LOG LP	TRIM (DEG)	LK LP	L2 LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	1.91	.943	.929	9.81	.0637	.0604	.0578	.0558	.0668	.0635	.0609	.0588
.403	.92	.966	.962	9.83	.0554	.0521	.0496	.0475	.0585	.0552	.0526	.0506
.423	.52	.977	.976	9.79	.0538	.0506	.0480	.0460	.0569	.0536	.0511	.0490
.443	.14	.987	.987	9.72	.0533	.0500	.0475	.0455	.0563	.0531	.0505	.0485
.443	-.63	1.000	1.000	9.59	.0530	.0498	.0473	.0453	.0559	.0528	.0503	.0483

RESISTANCE DATA SERIES 62 MODEL 4669

LP/3PX = 7.19

DEADRISE ANGLE = 12.5 DEG

FNV = 1.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0

17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.78	.923	.892	7.45	.0966	.0930	.0901	.0874	.1000	.0963	.0935	.0912
.409	2.58	.963	.937	7.80	.0881	.0843	.0814	.0790	.0916	.0879	.0849	.0825
.429	2.00	.976	.976	7.79	.0858	.0821	.0791	.0768	.0893	.0856	.0826	.0803
.449	1.41	.983	.983	7.65	.0848	.0811	.0782	.0759	.0882	.0846	.0817	.0794

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5

18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.359	3.05	.931	.890	8.18	.0869	.0830	.0799	.0774	.0906	.0866	.0836	.0811
.409	1.99	.964	.958	8.52	.0804	.0763	.0731	.0706	.0842	.0802	.0770	.0744
.429	1.50	.973	.974	8.51	.0783	.0743	.0711	.0686	.0821	.0781	.0749	.0724
.449	1.04	.977	.977	8.37	.0771	.0731	.0700	.0675	.0808	.0769	.0737	.0713

LP/V(1/3) = 9.0

LP (FT) = 20.0 43.1 92.8 200.0

20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	2.61	.933	.891	8.86	.0824	.0782	.0749	.0722	.0863	.0821	.0788	.0762
.403	1.62	.961	.955	9.26	.0749	.0709	.0672	.0645	.0791	.0748	.0714	.0686
.429	1.20	.969	.968	9.30	.0731	.0688	.0654	.0626	.0773	.0730	.0696	.0668
.449	.83	.975	.975	9.25	.0728	.0685	.0651	.0623	.0769	.0726	.0692	.0665
.449	.20	.996	.996	8.92	.0768	.0727	.0694	.0668	.0808	.0767	.0734	.0708

LP/V(1/3) = 9.5

LP (FT) = 21.2 45.8 98.6 212.5

21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.33	.925	.894	9.55	.0820	.0775	.0740	.0712	.0863	.0818	.0783	.0755
.409	1.38	.958	.950	10.03	.0712	.0666	.0630	.0600	.0758	.0711	.0675	.0645
.429	1.03	.967	.967	10.21	.0704	.0657	.0620	.0590	.0750	.0703	.0666	.0636
.449	.72	.975	.975	10.25	.0712	.0665	.0628	.0598	.0758	.0711	.0674	.0644
.449	.01	.988	.988	9.63	.0736	.0692	.0657	.0629	.0779	.0735	.0700	.0672

RESISTANCE #TA SERIES 62 MODEL 4669

LP/8PX = 7.10

DEADRISE ANGLE = 12.5 DEG

FNW = 1.75

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.92	.905	.843	7.16	.1077	.1031	.0995	.0966	.1121	.1075	.1039	.1009
.403	2.77	.952	.938	7.60	.0987	.0939	.0901	.0870	.1034	.0986	.0947	.0917
.423	2.21	.970	.965	7.66	.0970	.0921	.0883	.0852	.1016	.0968	.0930	.0899
.443	1.65	.984	.979	7.60	.0970	.0922	.0884	.0854	.1016	.0968	.0931	.0900

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.21	.912	.857	7.74	.0971	.0922	.0883	.0852	.1018	.0969	.0931	.0899
.403	2.22	.951	.939	8.39	.0927	.0874	.0833	.0799	.0978	.0926	.0884	.0851
.423	1.76	.966	.959	8.44	.0911	.0858	.0816	.0783	.0962	.0910	.0868	.0835
.443	1.32	.978	.966	8.31	.0899	.0847	.0806	.0773	.0950	.0898	.0857	.0824

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.82	.912	.841	8.50	.0934	.0881	.0839	.0805	.0986	.0933	.0891	.0857
.403	1.84	.949	.936	9.13	.0883	.0827	.0782	.0747	.0939	.0883	.0838	.0802
.423	1.45	.963	.953	9.17	.0865	.0808	.0764	.0728	.0921	.0864	.0820	.0784
.443	1.10	.973	.962	9.13	.0862	.0806	.0761	.0726	.0917	.0861	.0817	.0782
.453	.68	.985	.975	9.06	.0833	.0878	.0834	.0799	.0889	.0833	.0889	.0854

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.60	.907	.816	9.40	.0953	.0894	.0848	.0811	.1010	.0952	.0906	.0869
.403	1.58	.948	.931	9.86	.0853	.0793	.0745	.0707	.0913	.0853	.0805	.0767
.423	1.24	.960	.953	9.97	.0843	.0782	.0734	.0696	.0904	.0843	.0795	.0757
.443	.95	.969	.962	10.04	.0851	.0790	.0742	.0704	.0913	.0852	.0804	.0765
.453	.34	.982	.972	10.10	.0898	.0837	.0789	.0750	.0960	.0899	.0851	.0812

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/BPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNW = 2.00

.....

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

.....

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	4.04	.883	.818	6.94	.1164	.1106	.1061	.1025	.1219	.1162	.1117	.1080
.409	2.83	.942	.928	7.52	.1080	.1019	.0971	.0932	.1140	.1079	.1031	.0992
.429	2.26	.911	.937	7.60	.1070	.1009	.0961	.0922	.1131	.1070	.1021	.0983
.449	1.71	.974	.970	7.54	.1082	.1021	.0974	.0935	.1142	.1082	.1034	.0996

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.363	3.23	.898	.820	7.48	.1076	.1016	.0968	.0929	.1136	.1075	.1028	.0989
.409	2.28	.943	.928	8.32	.1032	.0965	.0913	.0871	.1098	.1032	.0979	.0937
.429	1.81	.959	.955	8.39	.1026	.0960	.0907	.0865	.1093	.1027	.0974	.0932
.449	1.37	.971	.964	8.24	.1032	.0967	.0915	.0874	.1098	.1033	.0981	.0940

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	2.89	.899	.803	8.24	.1051	.0985	.0932	.0891	.1117	.1051	.0998	.0956
.409	1.94	.943	.920	9.03	.0999	.0928	.0872	.0826	.1071	.1000	.0944	.0899
.429	1.53	.957	.947	9.14	.0990	.0918	.0861	.0816	.1063	.0991	.0934	.0889
.449	1.17	.967	.961	9.14	.0998	.0927	.0870	.0825	.1071	.1000	.0943	.0898
.483	.58	.983	.983	9.10	.1088	.1017	.0961	.0916	.1161	.1090	.1034	.0989

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 98.6 212.5				21.2 45.8 98.6 212.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.363	2.67	.895	.779	9.16	.1075	.1002	.0945	.0898	.1148	.1075	.1018	.0972
.409	1.72	.943	.908	9.70	.0978	.0902	.0842	.0794	.1055	.0980	.0920	.0872
.429	1.36	.955	.941	9.99	.0966	.0889	.0828	.0779	.1046	.0969	.0908	.0859
.449	1.04	.963	.960	10.19	.0976	.0897	.0835	.0785	.1057	.0976	.0916	.0866
.483	.44	.976	.976	10.09	.1040	.0962	.0901	.0851	.1121	.1043	.0982	.0932

.....

RESISTANCE DATA SERIES 62 MODEL 4664

LP/BPX = 7.00 DEADRISE ANGLE = 12.5 DEG FNV = 2.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.85	.788	.742	6.18	.1455	.1377	.1316	.1266	.1532	.1454	.1393	.1344
.409	3.17	.921	.874	7.39	.1323	.1233	.1161	.1104	.1415	.1325	.1254	.1197
.429	2.47	.955	.923	7.56	.1320	.1229	.1157	.1099	.1415	.1324	.1252	.1194
.449	1.85	.968	.961	7.44	.1361	.1272	.1201	.1144	.1454	.1365	.1294	.1237

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.67	.836	.753	6.01	.1343	.1260	.1193	.1140	.1429	.1345	.1279	.1225
.409	2.49	.929	.882	8.13	.1280	.1183	.1106	.1044	.1381	.1284	.1207	.1145
.429	1.97	.954	.927	8.34	.1288	.1189	.1111	.1048	.1392	.1293	.1215	.1152
.449	1.50	.965	.958	8.26	.1324	.1226	.1149	.1086	.1427	.1329	.1252	.1189

LP/V(1/3) = 9.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.07	.854	.742	7.52	.1302	.1211	.1139	.1081	.1396	.1305	.1233	.1175
.409	2.07	.931	.890	8.80	.1262	.1159	.1076	.1010	.1372	.1268	.1186	.1120
.429	1.65	.950	.930	9.05	.1272	.1166	.1082	.1015	.1386	.1280	.1195	.1128
.449	1.29	.960	.955	9.13	.1301	.1194	.1110	.1042	.1415	.1308	.1224	.1156
.469	.72	.977	.975	8.98	.1495	.1301	.1218	.1151	.1517	.1413	.1330	.1263

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.78	.856	.722	8.29	.1317	.1217	.1138	.1075	.1420	.1321	.1242	.1179
.409	1.79	.931	.898	9.44	.1265	.1155	.1068	.0998	.1383	.1273	.1186	.1116
.429	1.45	.947	.934	9.82	.1267	.1154	.1064	.0991	.1390	.1276	.1186	.1114
.449	1.16	.955	.951	10.05	.1289	.1173	.1081	.1007	.1415	.1299	.1207	.1132
.469	.57	.970	.964	9.96	.1394	.1280	.1189	.1116	.1519	.1404	.1313	.1240

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/BPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNV = 3.00

WEIGHT = LIFT (L9, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	6.15	.635	.644	4.04	.1700	.1627	.1569	.1523	.1772	.1699	.1642	.1595
.403	4.30	.823	.758	6.16	.1564	.1457	.1373	.1305	.1675	.1568	.1483	.1415
.429	1.41	.890	.831	6.37	.1566	.1447	.1353	.1278	.1631	.1573	.1479	.1403
.449	2.55	.941	.914	7.62	.1615	.1497	.1386	.1304	.1752	.1624	.1523	.1442

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.72	.683	.653	5.09	.1588	.1498	.1427	.1370	.1680	.1570	.1519	.1462
.403	3.23	.877	.786	7.72	.1521	.1391	.1287	.1204	.1660	.1530	.1426	.1343
.429	2.54	.927	.853	8.25	.1549	.1412	.1303	.1215	.1698	.1560	.1451	.1363
.449	1.89	.947	.924	9.25	.1617	.1481	.1373	.1286	.1766	.1630	.1522	.1434

LP/V(1/3) = 9.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.88	.721	.655	6.18	.1546	.1439	.1354	.1286	.1657	.1550	.1465	.1397
.403	2.54	.901	.809	8.82	.1531	.1385	.1269	.1176	.1690	.1544	.1428	.1334
.429	2.03	.934	.876	9.10	.1561	.1412	.1294	.1198	.1725	.1576	.1457	.1362
.449	1.59	.947	.928	9.06	.1619	.1472	.1355	.1260	.1782	.1635	.1518	.1423
.489	.84	.971	.960	9.06	.1834	.1687	.1571	.1477	.1997	.1850	.1734	.1640

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.38	.750	.660	7.32	.1559	.1434	.1336	.1256	.1691	.1566	.1467	.1388
.403	2.08	.910	.828	9.62	.1586	.1429	.1304	.1204	.1759	.1602	.1477	.1377
.429	1.75	.936	.858	9.96	.1592	.1431	.1303	.1200	.1771	.1610	.1482	.1379
.449	1.48	.944	.910	10.01	.1621	.1460	.1332	.1229	.1801	.1640	.1512	.1409
.489	.71	.963	.957	10.02	.1829	.1669	.1542	.1439	.2010	.1850	.1722	.1619

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/PPX = 7.00

DEADRISE ANGLE = 12.0 DEG

FNU = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.87	.587	.592	3.65	.1727	.1639	.1569	.1513	.1816	.1728	.1658	.1602
.409	5.01	.697	.662	4.19	.1652	.1554	.1475	.1413	.1755	.1656	.1578	.1515
.423	4.48	.758	.737	4.76	.1662	.1551	.1464	.1394	.1778	.1668	.1588	.1510
.449	3.88	.822	.759	5.53	.1703	.1577	.1477	.1396	.1838	.1712	.1612	.1531

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	9.04	.617	.601	4.36	.1677	.1573	.1491	.1425	.1783	.1680	.1598	.1532
.409	4.21	.713	.670	4.90	.1646	.1533	.1443	.1371	.1766	.1653	.1563	.1491
.429	3.63	.789	.726	6.00	.1685	.1549	.1441	.1354	.1832	.1696	.1588	.1501
.449	2.94	.883	.798	7.66	.1762	.1592	.1457	.1348	.1950	.1780	.1645	.1535

LP/V(1/3) = 8.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.44	.627	.598	5.00	.1660	.1543	.1450	.1376	.1782	.1665	.1573	.1498
.409	3.46	.762	.682	6.36	.1696	.1552	.1438	.1346	.1852	.1708	.1594	.1501
.429	2.87	.843	.756	7.77	.1760	.1588	.1451	.1340	.1950	.1778	.1641	.1531
.443	2.23	.912	.832	9.04	.1847	.1650	.1494	.1368	.2068	.1872	.1715	.1589
.489	1.41	.951	.932	9.21	.2060	.1863	.1706	.1579	.2286	.2089	.1932	.1805

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.93	.627	.590	5.60	.1671	.1541	.1439	.1356	.1888	.1678	.1576	.1493
.409	2.80	.822	.695	8.35	.1793	.1609	.1462	.1343	.1998	.1813	.1667	.1548
.429	2.28	.883	.780	9.30	.1871	.1669	.1509	.1379	.2098	.1897	.1736	.1606
.449	1.82	.923	.861	9.92	.1955	.1743	.1574	.1438	.2198	.1986	.1817	.1680
.489	1.03	.955	.936	10.10	.2139	.1925	.1755	.1617	.2386	.2173	.2002	.1865

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/BPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNV = 4.00

WEIGHT = LIFT (LO, SF WATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	5.28	.558	.564	3.44	.1777	.1670	.1585	.1517	.1887	.1780	.1695	.1627
.403	4.80	.659	.623	4.03	.1753	.1631	.1534	.1456	.1881	.1759	.1663	.1585
.429	4.42	.703	.651	4.27	.1758	.1631	.1529	.1448	.1895	.1767	.1666	.1584
.443	3.96	.742	.702	4.49	.1776	.1644	.1539	.1454	.1919	.1787	.1682	.1597

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.57	.590	.565	4.05	.1717	.1593	.1495	.1416	.1846	.1722	.1624	.1545
.409	4.24	.661	.623	4.64	.1805	.1667	.1557	.1468	.1953	.1815	.1705	.1617
.429	3.86	.713	.663	4.93	.1833	.1688	.1572	.1479	.1990	.1845	.1730	.1637
.449	3.35	.773	.709	5.23	.1849	.1698	.1578	.1480	.2017	.1865	.1745	.1648

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	4.15	.590	.560	4.63	.1738	.1599	.1488	.1399	.1886	.1747	.1636	.1547
.403	3.64	.685	.626	5.40	.1855	.1697	.1571	.1470	.2026	.1870	.1744	.1643
.429	3.21	.749	.666	5.99	.1903	.1730	.1593	.1482	.2094	.1921	.1784	.1673
.449	2.77	.812	.711	6.60	.1957	.1770	.1620	.1500	.2169	.1981	.1832	.1711
.489	2.26	.901	.817	7.61	.2134	.1923	.1755	.1619	.2377	.2166	.1998	.1862

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.363	3.90	.593	.552	5.18	.1829	.1675	.1552	.1454	.1995	.1841	.1718	.1615
.409	3.08	.717	.630	6.27	.1906	.1726	.1582	.1466	.2107	.1926	.1783	.1667
.429	2.64	.788	.667	7.34	.1987	.1779	.1614	.1480	.2222	.2014	.1848	.1715
.449	2.25	.852	.712	8.41	.2097	.1862	.1675	.1524	.2365	.2131	.1944	.1793
.489	1.76	.919	.859	9.52	.2398	.2139	.1932	.1764	.2702	.2443	.2236	.2069

RESISTANCE DATA SERIES 62 MODEL 4669

LP/RPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNV = 4.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0

LP (FT) = 17.5 37.7 81.2 175.0 17.5 37.7 81.2 175.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.75	.532	.539	3.26	.1791	.1664	.1564	.1483	.1923	.1796	.1696	.1615
.409	4.24	.655	.595	3.90	.1849	.1702	.1585	.1492	.2007	.1860	.1743	.1650
.429	4.00	.691	.627	4.16	.1870	.1716	.1593	.1494	.2039	.1884	.1761	.1662
.449	3.76	.710	.662	4.38	.1887	.1726	.1598	.1494	.2065	.1903	.1775	.1672

LP/V(1/3) = 7.5

LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	4.19	.554	.537	3.82	.1827	.1681	.1566	.1473	.1981	.1836	.1720	.1627
.409	3.75	.646	.596	4.45	.1929	.1765	.1633	.1528	.2109	.1944	.1813	.1708
.429	3.50	.694	.628	4.81	.1964	.1788	.1648	.1535	.2158	.1982	.1842	.1729
.449	3.23	.744	.663	5.20	.1987	.1798	.1649	.1528	.2197	.2009	.1859	.1738

LP/V(1/3) = 9.0

LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.85	.566	.528	4.36	.1898	.1734	.1604	.1499	.2074	.1910	.1780	.1675
.409	3.32	.655	.593	5.09	.2032	.1846	.1698	.1578	.2238	.2052	.1904	.1784
.429	3.04	.714	.628	5.57	.2074	.1873	.1713	.1584	.2299	.2099	.1939	.1810
.449	2.79	.772	.663	6.04	.2125	.1910	.1739	.1600	.2369	.2154	.1983	.1845
.489	2.47	.860	.738	6.75	.2328	.2093	.1906	.1754	.2601	.2366	.2179	.2027

LP/V(1/3) = 8.5

LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.65	.574	.516	4.91	.2000	.1818	.1673	.1556	.2199	.2016	.1871	.1755
.409	2.94	.671	.590	5.82	.2156	.1946	.1779	.1644	.2392	.2182	.2015	.1880
.429	2.68	.734	.624	6.36	.2224	.1998	.1818	.1672	.2482	.2256	.2076	.1930
.449	2.45	.796	.663	6.92	.2299	.2057	.1864	.1708	.2579	.2337	.2144	.1988
.489	2.05	.883	.771	7.94	.2516	.2245	.2029	.1854	.2838	.2567	.2350	.2175

RESISTANCE DATA

SERIES 62

MODEL

4669

LP/BPX = 7.30

DEADRISE ANGLE = 12.5 DEG

FNV = 5.00

WEIGHT = LIFT (L9, SEAWATER) = 1000

10000

100000

1000000

1000

10000

100000

1000000

LP/V(1/3) = 7.0

LP (FT) = 17.5

37.7

81.2

175.0

17.5

37.7

81.2

175.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	4.34	.517	.515	3.12	.1859	.1711	.1594	.1500	.2015	.1867	.1750	.1656
.409	3.85	.635	.576	3.74	.1967	.1796	.1660	.1551	.2154	.1983	.1847	.1738
.429	3.67	.661	.604	3.95	.2006	.1828	.1685	.1571	.2204	.2025	.1883	.1768
.449	3.55	.666	.630	4.08	.2035	.1851	.1705	.1587	.2239	.2055	.1909	.1791

LP/V(1/3) = 7.5

LP (FT) = 18.7

40.4

87.0

187.5

18.7

40.4

87.0

187.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	3.92	.531	.518	3.64	.1919	.1750	.1615	.1507	.2101	.1932	.1797	.1689
.409	3.40	.609	.578	4.18	.2090	.1901	.1750	.1629	.2298	.2109	.1959	.1838
.429	3.21	.641	.604	4.44	.2136	.1937	.1773	.1651	.2358	.2159	.2000	.1873
.449	3.07	.668	.626	4.70	.2156	.1947	.1781	.1646	.2390	.2182	.2015	.1881

LP/V(1/3) = 8.0

LP (FT) = 20.0

43.1

92.8

200.0

20.0

43.1

92.8

200.0

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.369	3.58	.541	.509	4.15	.2023	.1833	.1682	.1560	.2230	.2040	.1889	.1767
.409	3.05	.619	.573	4.85	.2221	.2004	.1832	.1693	.2463	.2247	.2074	.1935
.429	2.85	.658	.600	5.16	.2299	.2071	.1890	.1743	.2557	.2329	.2148	.2001
.449	2.69	.701	.625	5.48	.2377	.2138	.1947	.1793	.2651	.2412	.2221	.2067
.489	2.40	.813	.694	6.26	.2573	.2306	.2094	.1922	.2885	.2619	.2406	.2234

LP/V(1/3) = 8.5

LP (FT) = 21.2

45.8

98.6

212.5

21.2

45.8

98.6

212.5

LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.363	3.29	.549	.495	4.66	.2167	.1956	.1788	.1652	.2400	.2189	.2021	.1885
.409	2.77	.643	.566	5.71	.2363	.2112	.1912	.1751	.2648	.2398	.2198	.2036
.429	2.57	.694	.596	6.06	.2529	.2266	.2057	.1887	.2832	.2569	.2360	.2190
.449	2.38	.746	.626	6.39	.2689	.2415	.2196	.2019	.3008	.2734	.2516	.2339
.483	2.06	.846	.689	7.28	.2832	.2528	.2284	.2087	.3196	.2891	.2648	.2451

RESISTANCE DATA SERIES 62 MODEL 4669

LP/BPX = 7.00

DEADRISE ANGLE = 12.5 DEG

FNW = 5.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0 LP (FT) = 17.5 37.7 91.2 175.0 17.5 37.7 91.2 175.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.84	.495	.499	2.96	.1975	.1907	.1674	.1567	.2153	.1986	.1853	.1746
.403	3.59	.600	.552	3.53	.2075	.1982	.1728	.1604	.2288	.2095	.1942	.1818
.429	3.40	.640	.552	3.79	.2148	.1944	.1781	.1649	.2377	.2172	.2009	.1878
.449	3.18	.670	.611	4.02	.2237	.2021	.1850	.1712	.2479	.2264	.2093	.1954

LP/V(1/3) = 7.5 LP (FT) = 18.7 40.4 87.0 187.5 18.7 40.4 87.0 187.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.42	.516	.491	3.49	.2109	.1915	.1761	.1637	.2320	.2126	.1972	.1848
.409	3.13	.594	.555	4.03	.2200	.1982	.1809	.1669	.2443	.2226	.2053	.1913
.429	2.99	.629	.582	4.29	.2287	.2058	.1875	.1728	.2546	.2317	.2135	.1987
.449	2.86	.661	.606	4.54	.2403	.2162	.1970	.1816	.2677	.2437	.2245	.2090

LP/V(1/3) = 8.0 LP (FT) = 20.0 43.1 92.8 200.0 20.0 43.1 92.8 200.0

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.16	.529	.496	4.01	.2247	.2028	.1854	.1713	.2490	.2270	.2096	.1955
.409	2.83	.607	.549	4.69	.2413	.2163	.1964	.1804	.2696	.2447	.2248	.2087
.429	2.69	.644	.575	4.95	.2525	.2263	.2053	.1884	.2826	.2564	.2355	.2185
.449	2.54	.684	.599	5.25	.2642	.2366	.2146	.1968	.2961	.2686	.2456	.2288
.483	2.21	.765	.649	5.99	.2841	.2536	.2292	.2094	.3203	.2898	.2654	.2456

LP/V(1/3) = 8.5 LP (FT) = 21.2 45.8 98.6 212.5 21.2 45.8 98.6 212.5

LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.99	.536	.471	4.52	.2393	.2148	.1954	.1797	.2666	.2422	.2227	.2070
.409	2.65	.628	.541	5.47	.2705	.2418	.2189	.2004	.3036	.2749	.2520	.2335
.429	2.45	.674	.566	5.84	.2834	.2531	.2289	.2093	.3187	.2884	.2642	.2446
.449	2.26	.720	.592	6.19	.2948	.2631	.2377	.2172	.3323	.3005	.2752	.2546
.483	1.98	.815	.648	6.90	.3149	.2802	.2526	.2301	.3566	.3220	.2943	.2718

RESISTANCE DATA

SERIES 62

MODEL 4669

LP/BPX = 7.30

DEADRISE ANGLE = 12.5 DEG

FNV = 6.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 7.0					LP (FT) = 17.5 37.7 81.2 175.0				17.5 37.7 81.2 175.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.53	.435	.433	2.88	.2100	.1909	.1757	.1635	.2307	.2116	.1965	.1842
.409	3.22	.574	.515	3.37	.2260	.2042	.1869	.1729	.2502	.2285	.2112	.1972
.429	3.06	.614	.560	3.61	.2351	.2121	.1937	.1789	.2611	.2381	.2197	.2049
.449	2.91	.656	.584	3.84	.2450	.2208	.2014	.1858	.2727	.2484	.2291	.2135

LP/V(1/3) = 7.5					LP (FT) = 18.7 40.4 87.0 187.5				18.7 40.4 87.0 187.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	3.16	.488	.431	3.31	.2258	.2041	.1869	.1730	.2497	.2280	.2108	.1968
.409	2.94	.557	.529	3.77	.2461	.2220	.2029	.1874	.2733	.2492	.2300	.2145
.429	2.78	.596	.553	4.03	.2570	.2315	.2112	.1948	.2860	.2605	.2402	.2238
.449	2.53	.639	.578	4.31	.2683	.2413	.2199	.2025	.2993	.2724	.2509	.2335

LP/V(1/3) = 8.0					LP (FT) = 20.0 43.1 92.8 200.0				20.0 43.1 92.8 200.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.92	.500	.472	3.80	.2424	.2179	.1984	.1827	.2697	.2453	.2258	.2100
.409	2.66	.574	.526	4.42	.2683	.2404	.2183	.2003	.3001	.2723	.2501	.2322
.429	2.50	.616	.551	4.75	.2806	.2511	.2275	.2085	.3147	.2852	.2617	.2426
.449	2.35	.661	.576	5.08	.2921	.2608	.2359	.2157	.3287	.2974	.2725	.2523
.459	2.10	.762	.623	5.83	.3118	.2768	.2489	.2262	.3538	.3188	.2908	.2681

LP/V(1/3) = 8.5					LP (FT) = 21.2 45.8 98.6 212.5				21.2 45.8 98.6 212.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.369	2.77	.519	.461	4.33	.2602	.2327	.2108	.1931	.2914	.2638	.2419	.2242
.409	2.39	.607	.525	5.26	.2927	.2602	.2343	.2133	.3306	.2981	.2721	.2511
.429	2.27	.653	.552	5.67	.3053	.2707	.2430	.2207	.3461	.3115	.2839	.2615
.449	2.16	.699	.575	6.08	.3171	.2804	.2511	.2274	.3608	.3242	.2949	.2711
.459	1.89	.791	.614	6.95	.3431	.3020	.2691	.2424	.3931	.3520	.3191	.2924

RESISTANCE DATA

DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 1.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0					LP (FT) = 10.0 21.5 46.4 100.0				10.0 21.5 46.4 100.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	7.33	.923	.924	5.55	.1351	.1336	.1325	.1315	.1362	.1347	.1336	.1327
.353	5.62	.947	.847	5.45	.1238	.1223	.1212	.1203	.1249	.1234	.1223	.1214
.376	3.57	.987	.949	4.90	.1095	.1082	.1072	.1064	.1105	.1092	.1082	.1074
.415	.83	1.000	1.000	4.97	.0975	.0962	.0952	.0944	.0985	.0972	.0962	.0954

LP/V(1/3) = 4.5					LP (FT) = 11.2 24.2 52.2 112.5				11.2 24.2 52.2 112.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	5.21	.914	.816	6.24	.1113	.1097	.1084	.1074	.1126	.1109	.1097	.1086
.353	3.94	.939	.822	6.27	.1043	.1026	.1014	.1004	.1056	.1039	.1026	.1016
.376	2.80	.964	.880	5.78	.1043	.1028	.1016	.1007	.1054	.1039	.1027	.1018
.415	-.06	1.000	.964	5.85	.0787	.0772	.0761	.0751	.0799	.0784	.0772	.0763

LP/V(1/3) = 5.0					LP (FT) = 12.5 26.9 58.0 125.0				12.5 26.9 58.0 125.0			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	6.47	.853	.575	6.41	.1238	.1221	.1207	.1197	.1251	.1233	.1220	.1210
.333	3.69	.911	.627	6.69	.0939	.0921	.0908	.0897	.0953	.0935	.0921	.0910
.353	2.73	.930	.779	6.81	.0888	.0871	.0857	.0846	.0902	.0884	.0871	.0860
.376	1.99	.933	.833	6.76	.0821	.0804	.0790	.0779	.0834	.0817	.0804	.0793
.415	.07	.931	.924	7.02	.0727	.0709	.0696	.0685	.0741	.0724	.0710	.0699

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5			
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	4.84	.857	.648	7.86	.1048	.1028	.1012	.0999	.1064	.1044	.1028	.1015
.333	2.73	.913	.612	7.78	.0880	.0859	.0844	.0831	.0895	.0875	.0859	.0847
.353	1.95	.919	.674	7.55	.0742	.0723	.0707	.0696	.0757	.0738	.0723	.0711
.376	1.08	.931	.736	8.05	.0659	.0639	.0623	.0611	.0675	.0655	.0639	.0627
.415	-.33	.941	.889	8.39	.0624	.0604	.0587	.0574	.0641	.0620	.0604	.0591

RESISTANCE DATA DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNW = 1.25

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	11.06	.840	.706	4.99	.2333	.2312	.2296	.2284	.2349	.2328	.2312	.2298
.353	8.94	.879	.701	4.98	.2037	.2016	.2000	.1988	.2052	.2032	.2016	.2003
.376	6.98	.911	.809	4.93	.1844	.1824	.1808	.1796	.1859	.1839	.1824	.1812
.415	4.36	.940	.876	4.79	.1635	.1616	.1601	.1589	.1658	.1631	.1616	.1604

LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	7.85	.845	.659	5.63	.1752	.1729	.1711	.1697	.1770	.1747	.1729	.1715
.353	6.60	.879	.686	5.57	.1609	.1587	.1570	.1556	.1627	.1604	.1587	.1573
.376	5.07	.909	.766	5.71	.1445	.1423	.1405	.1391	.1463	.1441	.1423	.1409
.415	2.75	.948	.831	5.52	.1277	.1255	.1238	.1225	.1294	.1272	.1256	.1242

LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	8.63	.745	.536	6.25	.1731	.1705	.1686	.1670	.1751	.1725	.1705	.1689
.333	5.74	.846	.607	6.33	.1330	.1304	.1285	.1269	.1349	.1324	.1305	.1289
.353	4.75	.884	.634	6.47	.1265	.1240	.1220	.1205	.1285	.1260	.1240	.1225
.376	3.77	.910	.719	6.51	.1160	.1135	.1115	.1100	.1181	.1155	.1136	.1120
.415	1.84	.964	.839	6.79	.1039	.1013	.0993	.0977	.1060	.1034	.1014	.0998

LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	6.62	.771	.506	7.09	.1377	.1349	.1327	.1309	.1400	.1371	.1349	.1331
.333	4.88	.857	.598	7.50	.1312	.1283	.1260	.1241	.1336	.1306	.1283	.1265
.353	3.52	.886	.640	7.70	.1005	.0975	.0952	.0934	.1029	.0999	.0976	.0958
.376	2.63	.910	.678	7.62	.0953	.0924	.0902	.0884	.0977	.0948	.0925	.0907
.415	1.13	.949	.802	8.12	.0884	.0853	.0830	.0811	.0909	.0879	.0855	.0836

RESISTANCE DATA

DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 1.50

WEIGHT = LIFT (LA, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0					LP (FT) = 10.0 21.5 46.4 100.0				10.0 21.5 46.4 100.0			
LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	12.47	.766	.624	4.88	.2589	.2561	.2538	.2521	.2611	.2583	.2560	.2543
.351	9.47	.839	.666	5.06	.2144	.2115	.2092	.2074	.2167	.2138	.2115	.2097
.376	7.32	.891	.744	5.08	.1845	.1817	.1794	.1777	.1868	.1840	.1817	.1800
.415	4.36	1.000	.823	4.83	.1689	.1663	.1643	.1626	.1711	.1685	.1664	.1648

LP/V(1/3) = 4.5					LP (FT) = 11.2 24.2 52.2 112.5				11.2 24.2 52.2 112.5			
LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	9.44	.796	.597	5.41	.1845	.1814	.1790	.1771	.1869	.1838	.1814	.1795
.353	6.63	.852	.642	5.50	.1622	.1591	.1567	.1548	.1647	.1616	.1592	.1573
.375	5.23	.891	.710	5.97	.1444	.1411	.1385	.1365	.1470	.1438	.1412	.1391
.415	3.07	1.000	.755	5.50	.1389	.1359	.1336	.1318	.1414	.1384	.1361	.1342

LP/V(1/3) = 5.0					LP (FT) = 12.5 26.9 58.0 125.0				12.5 26.9 58.0 125.0			
LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	9.58	.674	.475	5.80	.1917	.1883	.1857	.1836	.1943	.1909	.1883	.1862
.333	6.00	.811	.555	6.16	.1372	.1337	.1310	.1289	.1399	.1365	.1338	.1317
.353	5.06	.855	.607	6.46	.1320	.1285	.1257	.1235	.1350	.1314	.1286	.1264
.376	4.06	.886	.659	6.47	.1225	.1189	.1162	.1140	.1254	.1219	.1191	.1169
.415	2.36	.729	.757	6.69	.1170	.1133	.1105	.1082	.1200	.1163	.1135	.1112

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5			
LOG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	7.06	.703	.455	6.65	.1474	.1436	.1407	.1384	.1504	.1466	.1437	.1414
.333	5.16	.827	.544	7.56	.1374	.1333	.1300	.1275	.1408	.1367	.1334	.1309
.353	3.96	.861	.562	7.33	.1087	.1047	.1016	.0991	.1120	.1080	.1049	.1024
.376	3.13	.883	.617	7.30	.1050	.1011	.0980	.0956	.1082	.1043	.1013	.0989
.415	1.82	.814	.715	7.84	.1024	.0983	.0950	.0924	.1060	.1018	.0985	.0959

RESISTANCE DATA

DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 1.75

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	14.12	.638	.531	4.29	.2845	.2811	.2785	.2763	.2872	.2837	.2811	.2790
.353	11.06	.743	.584	4.91	.2372	.2334	.2305	.2281	.2403	.2364	.2335	.2311
.376	8.77	.824	.666	4.89	.2042	.2005	.1976	.1953	.2072	.2035	.2006	.1983
.415	4.73	1.000	.811	5.30	.1782	.1744	.1714	.1691	.1814	.1776	.1747	.1723

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	9.68	.691	.513	5.13	.2029	.1989	.1958	.1934	.2060	.2021	.1990	.1965
.353	7.53	.793	.573	5.31	.1743	.1704	.1672	.1648	.1776	.1736	.1705	.1680
.376	5.78	.851	.650	5.86	.1505	.1462	.1428	.1402	.1541	.1498	.1464	.1438
.415	3.20	1.000	.751	6.23	.1468	.1424	.1389	.1361	.1506	.1462	.1427	.1399

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	10.48	.565	.409	5.20	.2051	.2010	.1978	.1953	.2083	.2042	.2010	.1985
.333	6.66	.756	.495	5.92	.1478	.1434	.1399	.1372	.1515	.1470	.1436	.1408
.353	5.42	.823	.543	6.51	.1359	.1311	.1274	.1244	.1399	.1351	.1314	.1284
.376	4.20	.872	.606	6.67	.1252	.1204	.1167	.1137	.1293	.1245	.1208	.1178
.415	2.41	.791	.720	6.92	.1261	.1211	.1172	.1141	.1303	.1253	.1214	.1183

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	7.83	.607	.398	6.10	.1626	.1579	.1542	.1513	.1663	.1616	.1579	.1550
.333	5.51	.789	.495	7.48	.1434	.1379	.1336	.1303	.1479	.1425	.1382	.1348
.353	4.09	.831	.512	7.35	.1111	.1058	.1016	.0983	.1156	.1103	.1062	.1029
.376	3.20	.872	.560	7.36	.1094	.1042	.1001	.0968	.1139	.1087	.1046	.1014
.415	1.92	.839	.665	7.86	.1132	.1076	.1033	.0998	.1180	.1124	.1081	.1047

RESISTANCE DATA

DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 2.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0

10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	11.17	.594	.477	2.23	.2716	.2693	.2675	.2661	.2734	.2711	.2693	.2679
.353	11.09	.655	.526	2.66	.2427	.2400	.2379	.2362	.2448	.2421	.2400	.2384
.376	11.16	.741	.577	5.12	.2189	.2139	.2099	.2068	.2230	.2180	.2140	.2109
.415	6.41	.833	.703	4.94	.1389	.1342	.1305	.1276	.2029	.1982	.1945	.1916

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5

11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	9.78	.626	.452	3.25	.2082	.2049	.2024	.2004	.2108	.2075	.2050	.2030
.353	8.34	.697	.515	3.96	.1835	.1797	.1766	.1742	.1867	.1828	.1798	.1774
.376	7.02	.794	.569	6.36	.1640	.1579	.1531	.1494	.1691	.1630	.1582	.1545
.415	3.91	.880	.638	5.87	.1620	.1566	.1523	.1490	.1667	.1613	.1570	.1537

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0

12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	9.36	.535	.373	3.37	.1937	.1902	.1875	.1854	.1964	.1929	.1902	.1881
.333	7.16	.672	.433	5.52	.1523	.1469	.1427	.1394	.1567	.1513	.1471	.1436
.353	6.13	.750	.445	6.19	.1427	.1368	.1322	.1285	.1477	.1418	.1372	.1335
.376	4.84	.830	.536	6.77	.1312	.1249	.1193	.1160	.1366	.1303	.1254	.1214
.415	2.92	.948	.671	7.15	.1364	.1299	.1249	.1209	.1421	.1357	.1306	.1266

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5

13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.294	7.43	.571	.350	5.34	.1582	.1523	.1487	.1454	.1625	.1571	.1530	.1497
.333	6.05	.711	.437	7.15	.1487	.1419	.1366	.1324	.1545	.1477	.1424	.1382
.353	4.51	.794	.457	7.44	.1129	.1060	.1006	.0963	.1189	.1119	.1065	.1022
.376	3.49	.845	.509	7.75	.1099	.1029	.0973	.0929	.1161	.1091	.1035	.0991
.415	2.11	.926	.618	8.05	.1223	.1152	.1096	.1051	.1288	.1216	.1160	.1115

RESISTANCE DATA

DL MODEL 62-A

LP/RPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 2.50

.....

WEIGHT = LIFT (L3, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

.....

LP/V(1/3) = 4.0					LP (FT) = 10.0 21.5 46.4 100.0				10.0 21.5 46.4 100.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.333	10.15	.561	.406	2.66	.2167	.2125	.2093	.2067	.2200	.2158	.2126	.2100
.353	8.89	.606	.438	2.95	.2033	.1987	.1952	.1924	.2070	.2024	.1989	.1960
.376	7.54	.681	.478	3.36	.1949	.1898	.1858	.1827	.1991	.1940	.1900	.1869
.415	7.54	.772	.549	3.02	.1926	.1882	.1847	.1820	.1964	.1920	.1885	.1857

LP/V(1/3) = 4.5					LP (FT) = 11.2 24.2 52.2 112.5				11.2 24.2 52.2 112.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.333	7.86	.587	.380	3.29	.1779	.1729	.1690	.1658	.1820	.1770	.1731	.1700
.353	7.17	.624	.412	3.63	.1690	.1635	.1592	.1558	.1735	.1681	.1638	.1604
.376	6.64	.711	.454	4.04	.1606	.1546	.1500	.1463	.1656	.1597	.1550	.1513
.415	5.71	.797	.532	4.11	.1609	.1550	.1504	.1467	.1660	.1601	.1555	.1519

LP/V(1/3) = 5.0					LP (FT) = 12.5 26.9 58.0 125.0				12.5 26.9 58.0 125.0			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.234	17.73	1.000	.561	16.65	.4333	.4115	.3942	.3806	.4541	.4323	.4152	.4014
.333	6.08	.617	.354	3.97	.1395	.1336	.1290	.1253	.1445	.1386	.1339	.1303
.353	5.68	.672	.383	4.40	.1361	.1296	.1245	.1205	.1416	.1351	.1301	.1260
.376	5.14	.729	.428	4.53	.1317	.1252	.1201	.1161	.1374	.1309	.1258	.1217
.415	4.22	.823	.506	6.46	.1384	.1294	.1223	.1167	.1465	.1375	.1304	.1248

LP/V(1/3) = 5.5					LP (FT) = 13.7 29.6 63.8 137.5				13.7 29.6 63.8 137.5			
LCG	TRIM	LK	LC	S	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
LP	(DEG)	LP	LP	V(2/3)								
.294	9.60	.568	.336	4.54	.2637	.2570	.2517	.2475	.2694	.2627	.2574	.2532
.333	5.50	.641	.349	5.05	.1413	.1339	.1282	.1236	.1476	.1402	.1345	.1299
.353	4.54	.717	.366	5.84	.1112	.1029	.0963	.0911	.1105	.1102	.1036	.0984
.376	4.01	.764	.409	6.12	.1107	.1021	.0954	.0900	.1104	.1098	.1030	.0977
.415	3.11	.849	.451	7.78	.1279	.1173	.1090	.1023	.1377	.1270	.1187	.1120

.....

RESISTANCE DATA

DL MODEL 62-A

LP/8PX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 3.00

WEIGHT = LIFT (LR, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0

10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	7.75	.518	.376	2.63	.1819	.1761	.1716	.1680	.1867	.1808	.1763	.1727
.353	6.87	.618	.337	2.59	.1749	.1693	.1649	.1615	.1795	.1740	.1696	.1661
.376	6.70	.655	.429	2.92	.1723	.1661	.1613	.1574	.1776	.1714	.1666	.1627
.415	6.30	.728	.452	3.12	.1793	.1728	.1677	.1637	.1849	.1784	.1733	.1693

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5

11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	6.05	.567	.342	3.22	.1530	.1461	.1407	.1364	.1588	.1519	.1465	.1422
.353	5.60	.645	.363	3.28	.1504	.1435	.1381	.1338	.1563	.1494	.1440	.1397
.376	5.41	.698	.333	3.67	.1471	.1396	.1336	.1289	.1538	.1462	.1402	.1355
.415	4.97	.749	.427	3.93	.1630	.1550	.1488	.1438	.1701	.1621	.1558	.1509

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0

12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	4.90	.642	.237	3.63	.1258	.1192	.1123	.1076	.1323	.1247	.1188	.1141
.353	4.65	.661	.329	4.08	.1286	.1202	.1137	.1084	.1360	.1276	.1210	.1158
.376	4.42	.719	.360	4.45	.1269	.1179	.1109	.1053	.1349	.1259	.1189	.1133
.415	3.81	.791	.424	5.02	.1406	.1307	.1229	.1167	.1496	.1397	.1320	.1258

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5

13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.333	4.59	.648	.293	4.53	.1325	.1233	.1160	.1103	.1407	.1315	.1242	.1184
.353	3.91	.689	.303	4.92	.1114	.1015	.0937	.0875	.1203	.1103	.1025	.0963
.376	3.61	.740	.346	5.35	.1137	.1032	.0949	.0882	.1234	.1128	.1045	.0979
.415	3.04	.811	.394	6.01	.1290	.1174	.1082	.1009	.1398	.1282	.1190	.1117

RESISTANCE DATA

DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 3.50

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000													
LP/V(1/3) = 4.0 LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0													
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
.333	6.67	.520	.329	2.35	.2035	.1936	.1882	.1839	.2062	.1993	.1939	.1896	
.353	5.92	.550	.322	2.60	.1634	.1558	.1498	.1451	.1698	.1622	.1562	.1515	
.376	5.54	.623	.416	2.29	.1644	.1580	.1529	.1489	.1701	.1636	.1586	.1545	
.415	4.36	.905	.616	3.66	.1332	.1237	.1162	.1103	.1421	.1327	.1252	.1192	
LP/V(1/3) = 4.5 LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5													
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
.333	5.87	.528	.234	3.20	.1698	.1604	.1531	.1472	.1777	.1683	.1609	.1551	
.353	5.04	.581	.285	3.28	.1531	.1438	.1364	.1306	.1612	.1518	.1445	.1387	
.376	4.43	.690	.351	3.43	.1436	.1342	.1269	.1210	.1521	.1426	.1353	.1294	
.415	2.96	.983	.626	5.03	.0868	.0742	.0643	.0564	.0991	.0865	.0766	.0687	
LP/V(1/3) = 5.0 LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0													
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
.333	5.35	.533	.173	4.14	.1319	.1198	.1104	.1029	.1420	.1299	.1225	.1130	
.353	3.96	.650	.270	3.89	.1342	.1235	.1151	.1084	.1437	.1330	.1246	.1179	
.376	3.65	.714	.299	4.29	.1297	.1181	.1091	.1018	.1403	.1287	.1196	.1123	
.415	3.12	.801	.371	4.80	.1383	.1258	.1159	.1080	.1501	.1375	.1277	.1198	
LP/V(1/3) = 5.5 LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5													
LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004				
.333	5.01	.536	.132	5.15	.0859	.0710	.0594	.0501	.0986	.0817	.0720	.0628	
.353	3.31	.690	.253	4.76	.1169	.1042	.0942	.0861	.1286	.1159	.1058	.0978	
.376	3.07	.736	.325	5.08	.1268	.1135	.1031	.0947	.1393	.1260	.1155	.1072	
.415	2.77	.777	.298	5.43	.1579	.1438	.1326	.1237	.1712	.1571	.1459	.1370	

RESISTANCE DATA

DL MODEL 62-A

LP/BPX = 3.06

DEADRISE ANGLE = 12.5 DEG

FNV = 4.00

WEIGHT = LIFT (LB, SEAWATER) = 1000 10000 100000 1000000 1000 10000 100000 1000000

LP/V(1/3) = 4.0

LP (FT) = 10.0 21.5 46.4 100.0 10.0 21.5 46.4 100.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.415	4.51	.775	.331	3.21	.1547	.1435	.1347	.1277	.1649	.1530	.1450	.1380

LP/V(1/3) = 4.5

LP (FT) = 11.2 24.2 52.2 112.5 11.2 24.2 52.2 112.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.376	4.25	.668	.122	3.37	.1661	.1536	.1439	.1361	.1760	.1644	.1547	.1469
.415	3.50	.781	.344	3.84	.1587	.1455	.1352	.1269	.1710	.1578	.1475	.1392

LP/V(1/3) = 5.0

LP (FT) = 12.5 26.9 58.0 125.0 12.5 26.9 58.0 125.0

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.376	3.52	.727	.338	3.77	.1544	.1416	.1316	.1235	.1665	.1537	.1437	.1356
.415	2.85	.785	.314	4.57	.1641	.1488	.1367	.1270	.1788	.1634	.1513	.1416

LP/V(1/3) = 5.5

LP (FT) = 13.7 29.6 63.8 137.5 13.7 29.6 63.8 137.5

LCG LP	TRIM (DEG)	LK LP	LC LP	S V(2/3)	RESISTANCE/LIFT FOR DCF=0				RESISTANCE/LIFT FOR DCF=0.0004			
.376	2.83	.763	0.000	5.07	.1582	.1397	.1252	.1137	.1744	.1559	.1414	.1299
.415	2.42	.788	.293	5.39	.1713	.1535	.1394	.1282	.1885	.1707	.1567	.1454

APPENDIX B

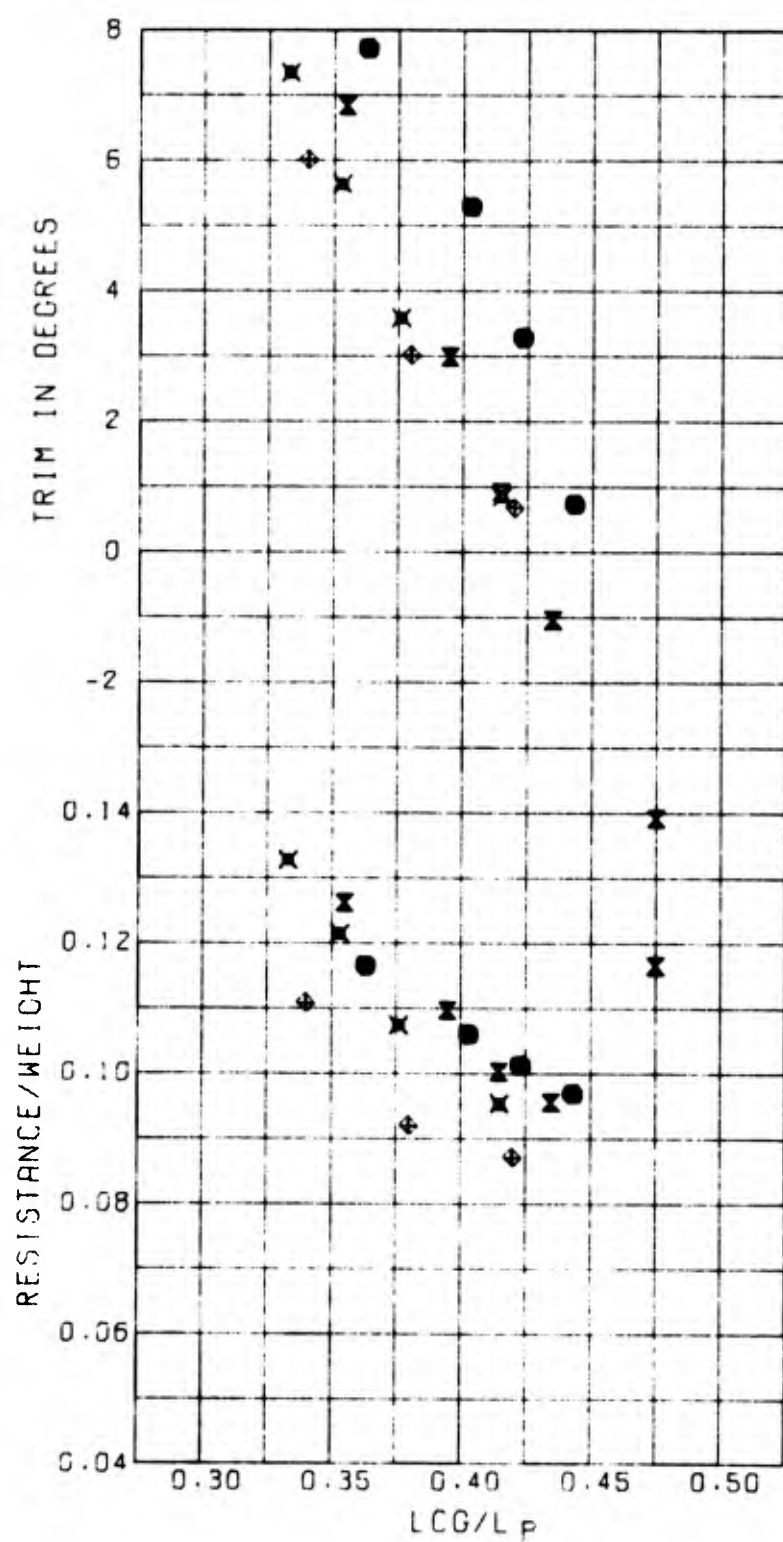
GRAPHS OF RESISTANCE-WEIGHT RATIOS AND TRIM ANGLES

Resistance-weight ratios are for a 100,000-pound boat in seawater at a temperature of 59 F with a correlation allowance of 0.

Trim is angle of attack of after portion of planing bottom.

$$L_P/V^{1/3} = 4.0$$

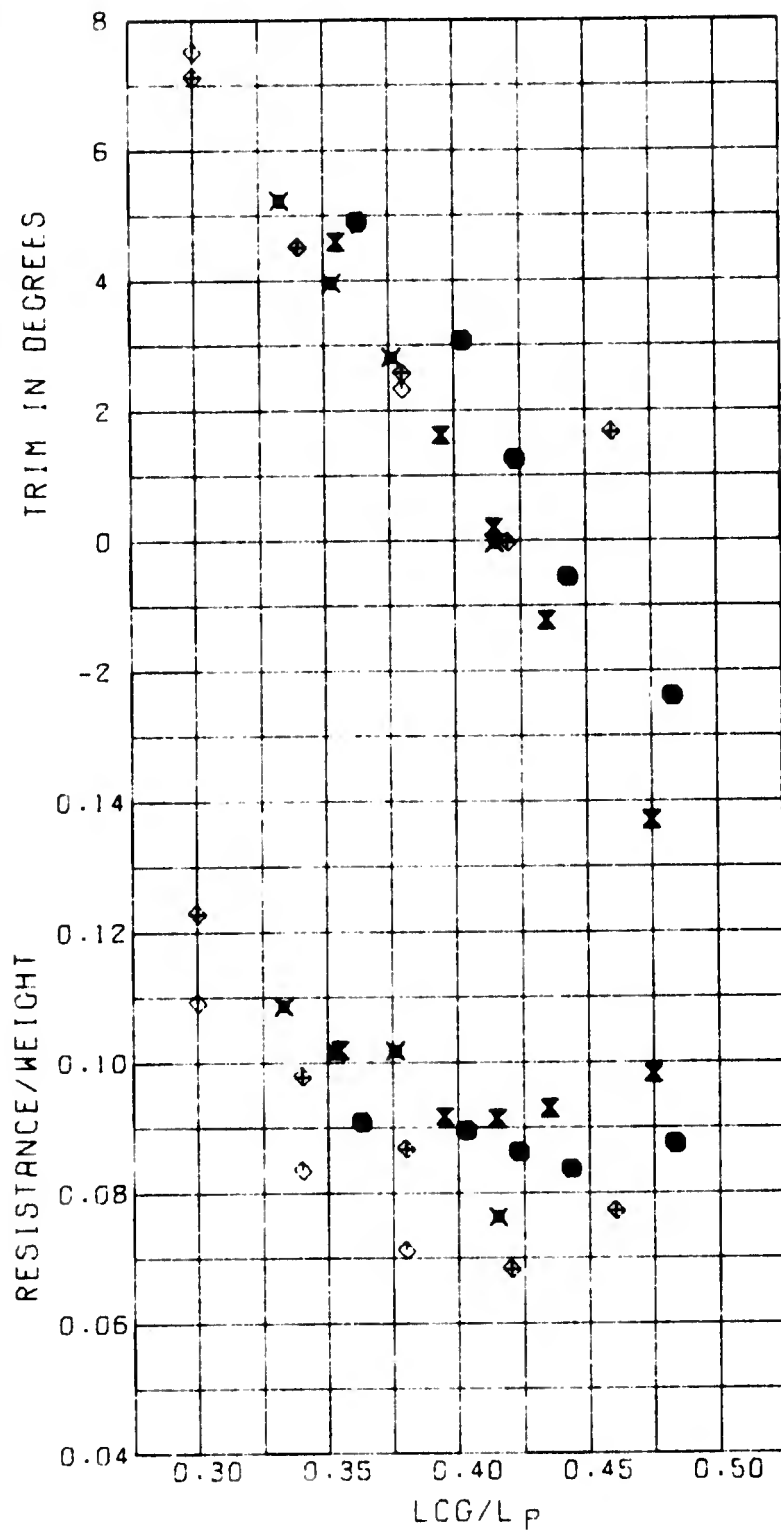
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
×	4665	2.00	12.5
●	4666	3.06	12.5
×	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 4.5$$

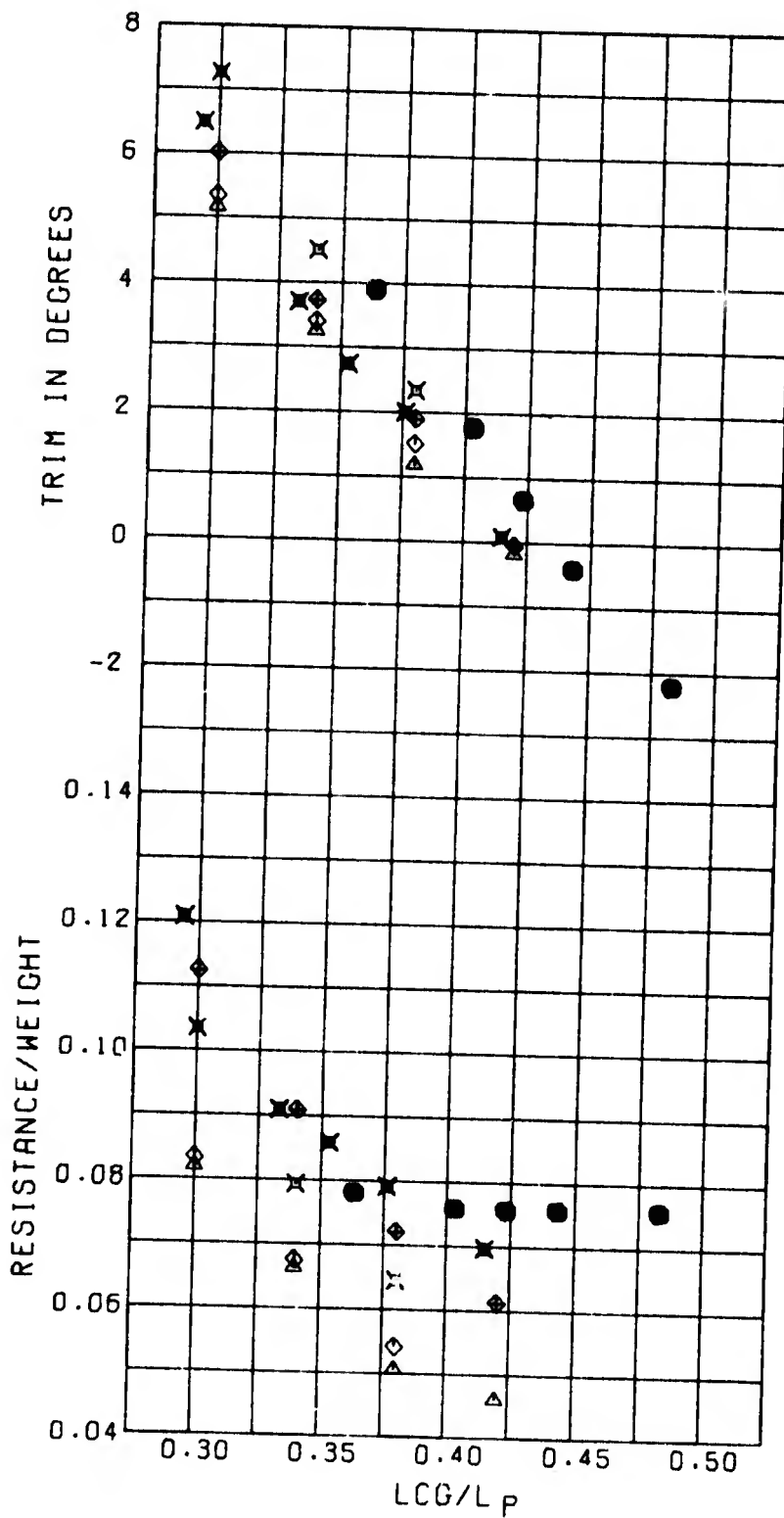
$$F_{N\nabla} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
◇	5186	3.32	22.5
⋈	4665	2.00	12.5
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 5.0$$

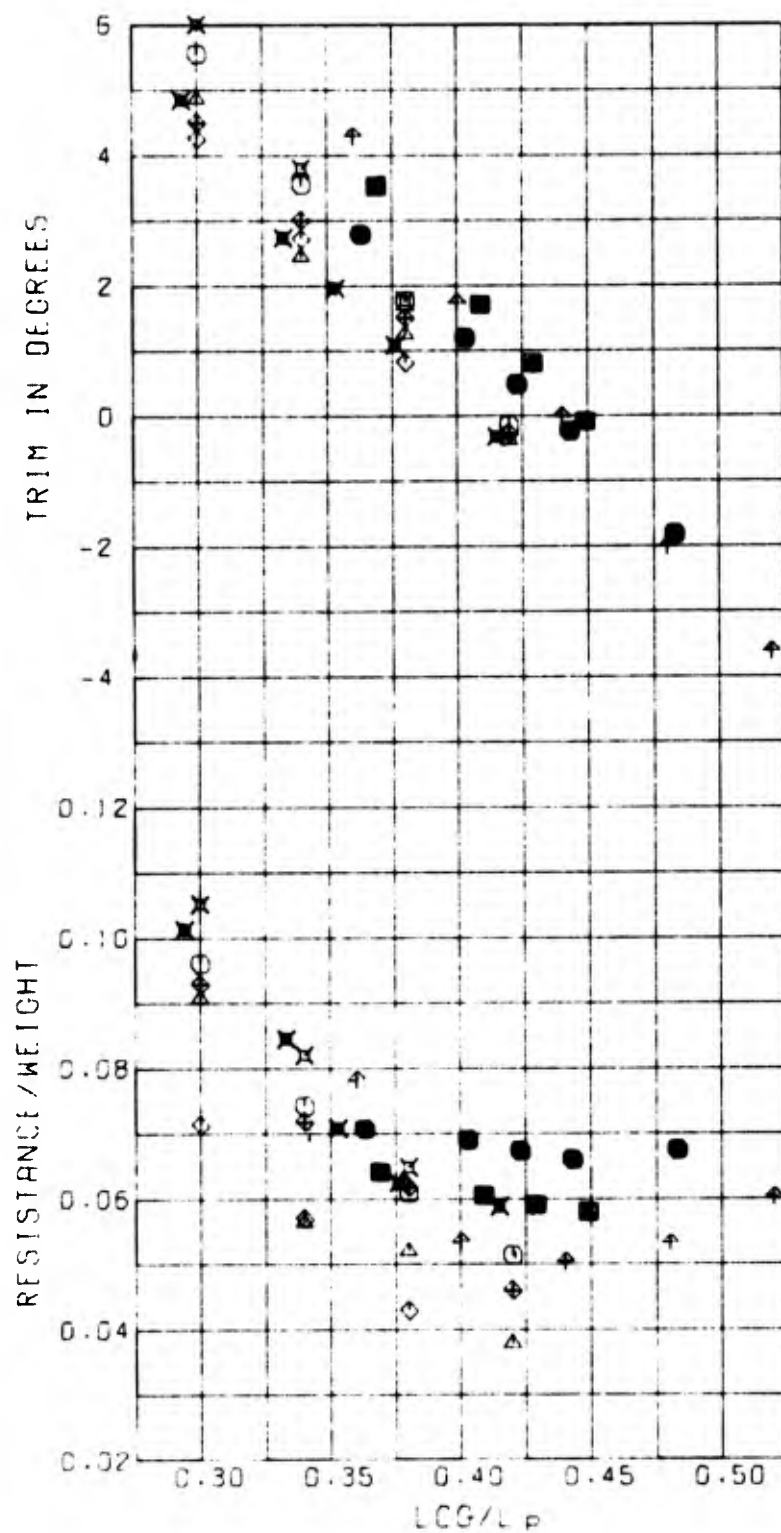
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
*	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 5.5$$

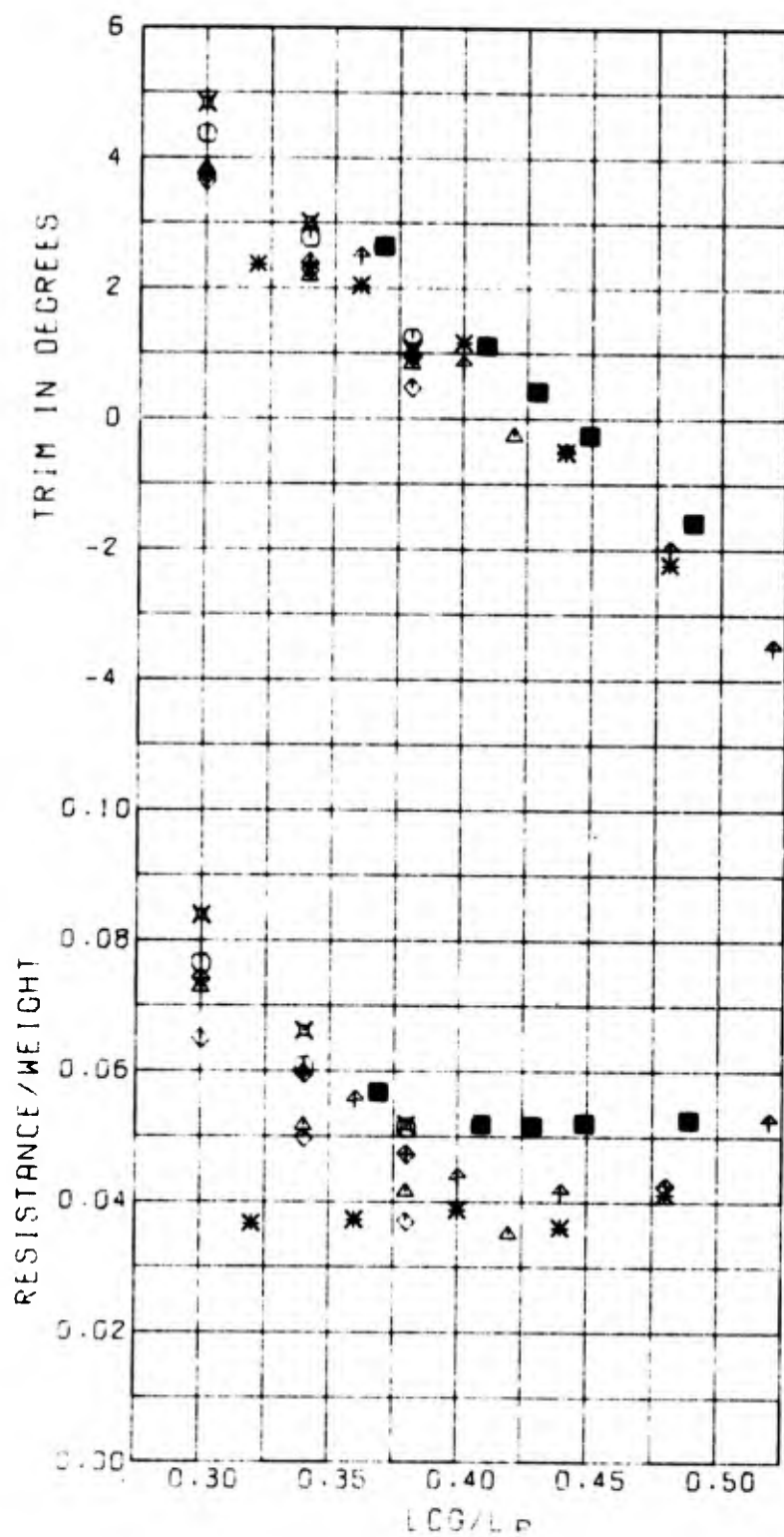
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
◆	5257	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
■	4667-1	4.09	12.5
✕	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 6.0$$

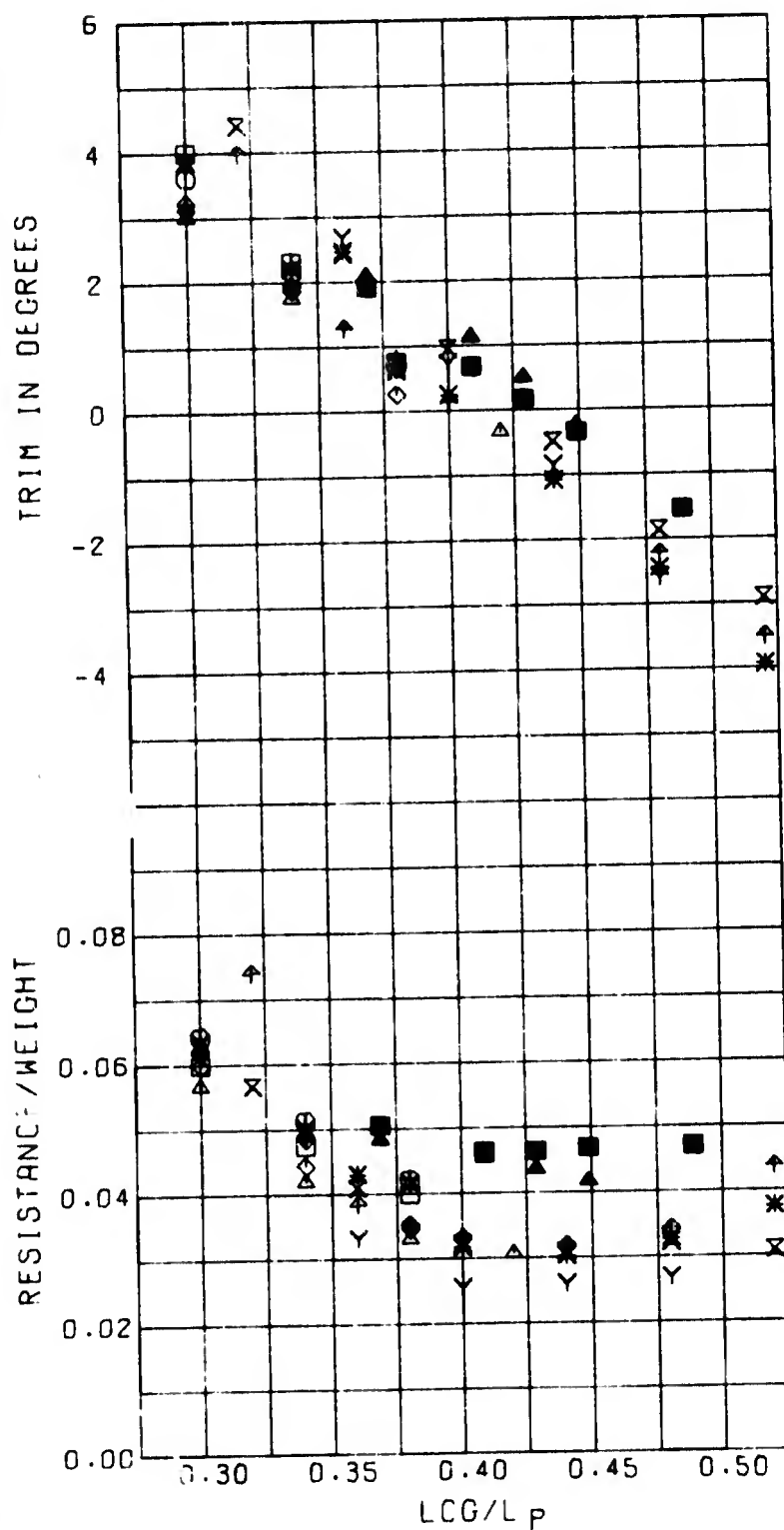
$$F_{N\nabla} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
⊙	5184	4.69	22.5
⊗	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/V^{1/3} = 6.5$$

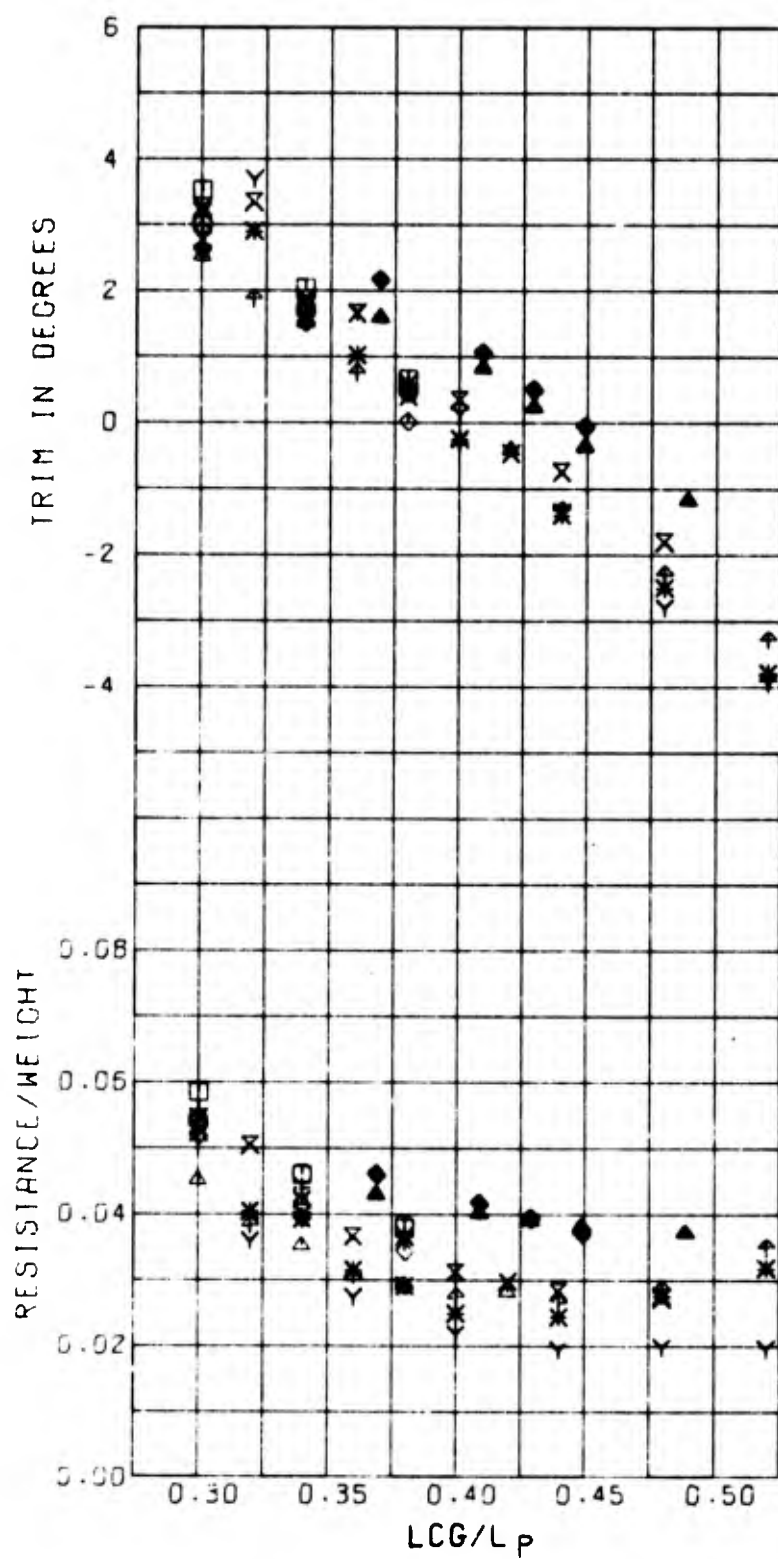
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
+	5251	3.30	14.8
x	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
✕	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/V^{1/3} = 7.0$$

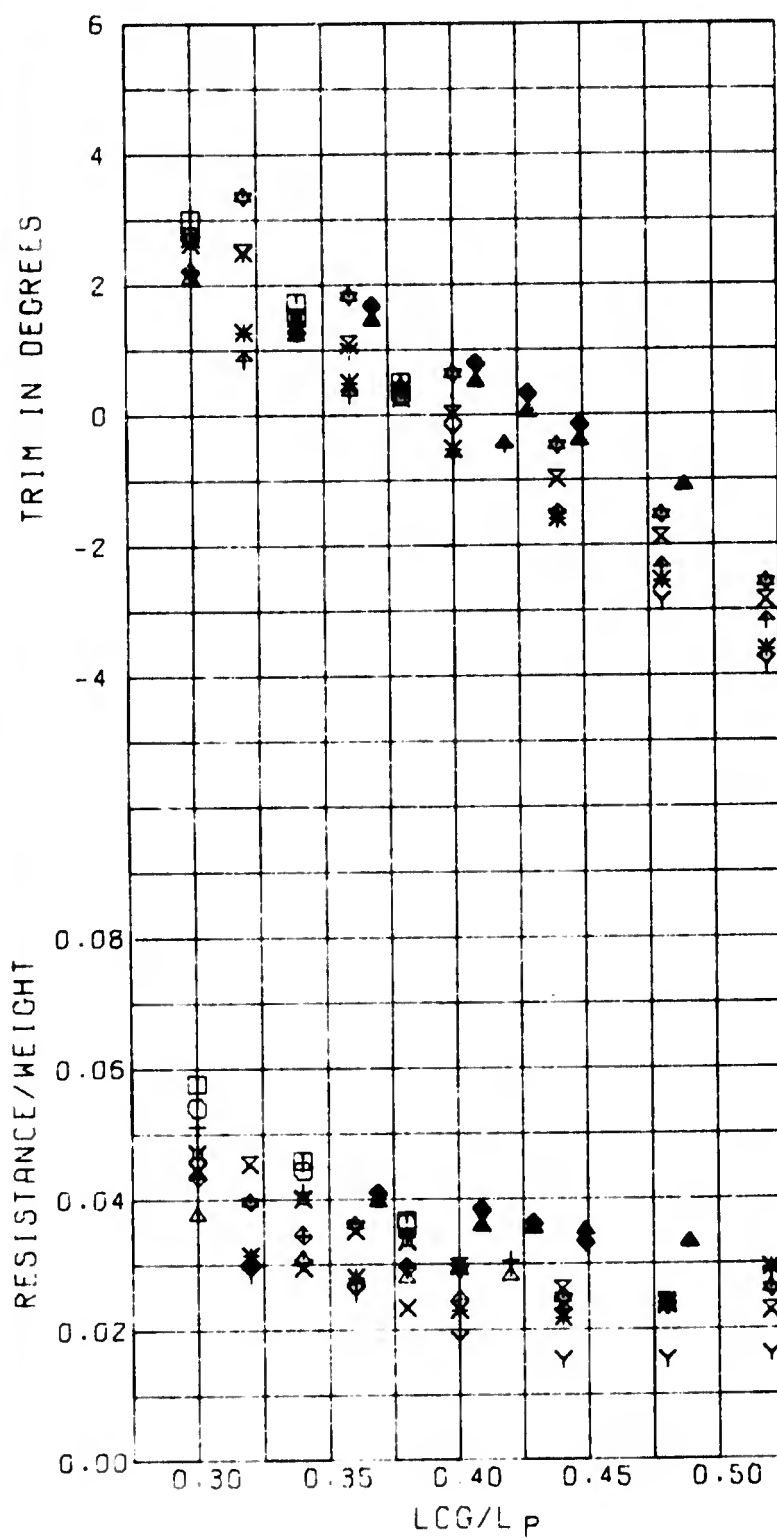
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
×	5249	4.05	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
□	5184	4.69	22.5
X	5167	6.64	22.5
✕	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 7.5$$

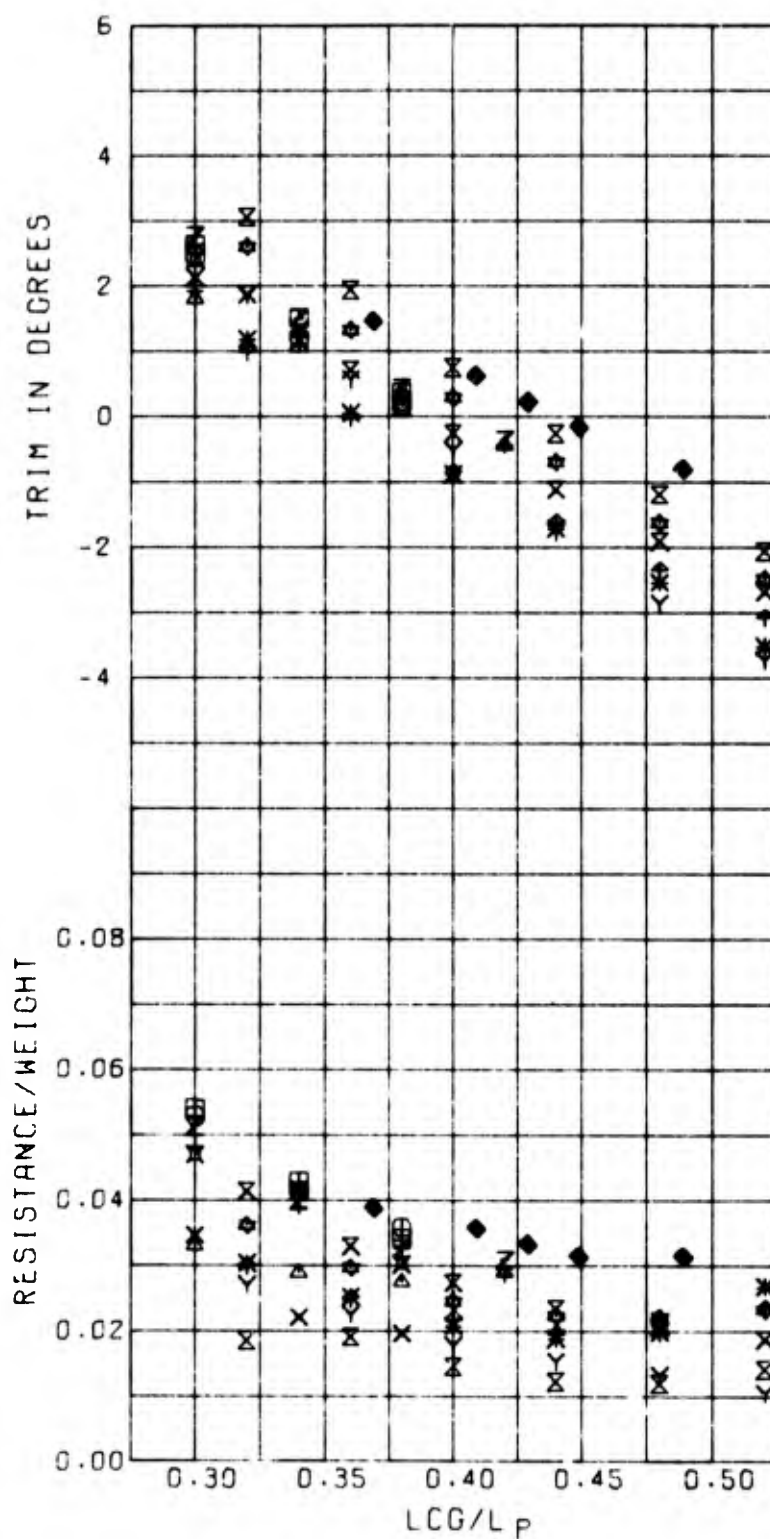
$$F_{N\nabla} = 1.00$$



SYMBOL	MODEL	L_P/B_{FX}	β_T
+	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊕	4966-1	6.60	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
⊠	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.0$$

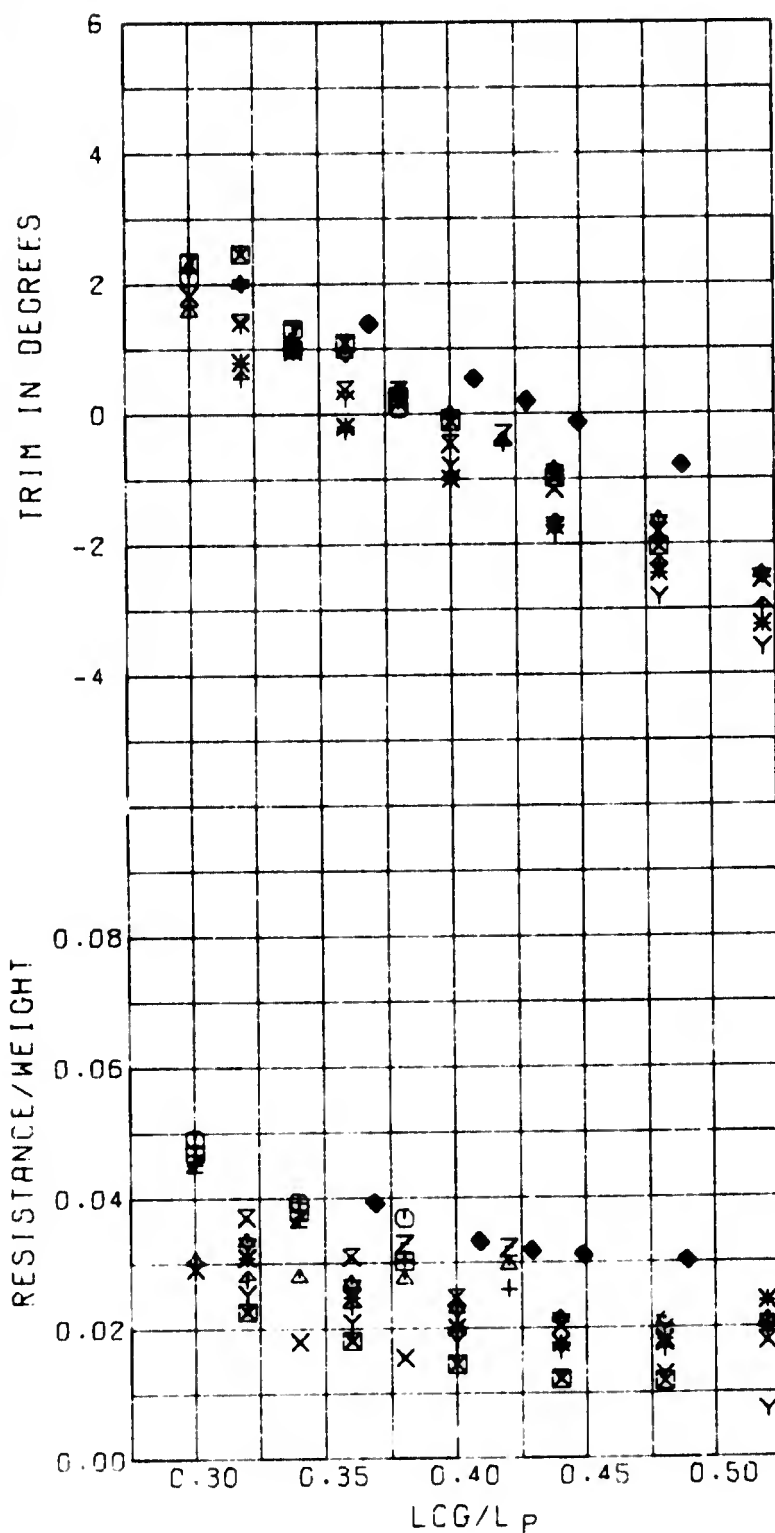
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.5$$

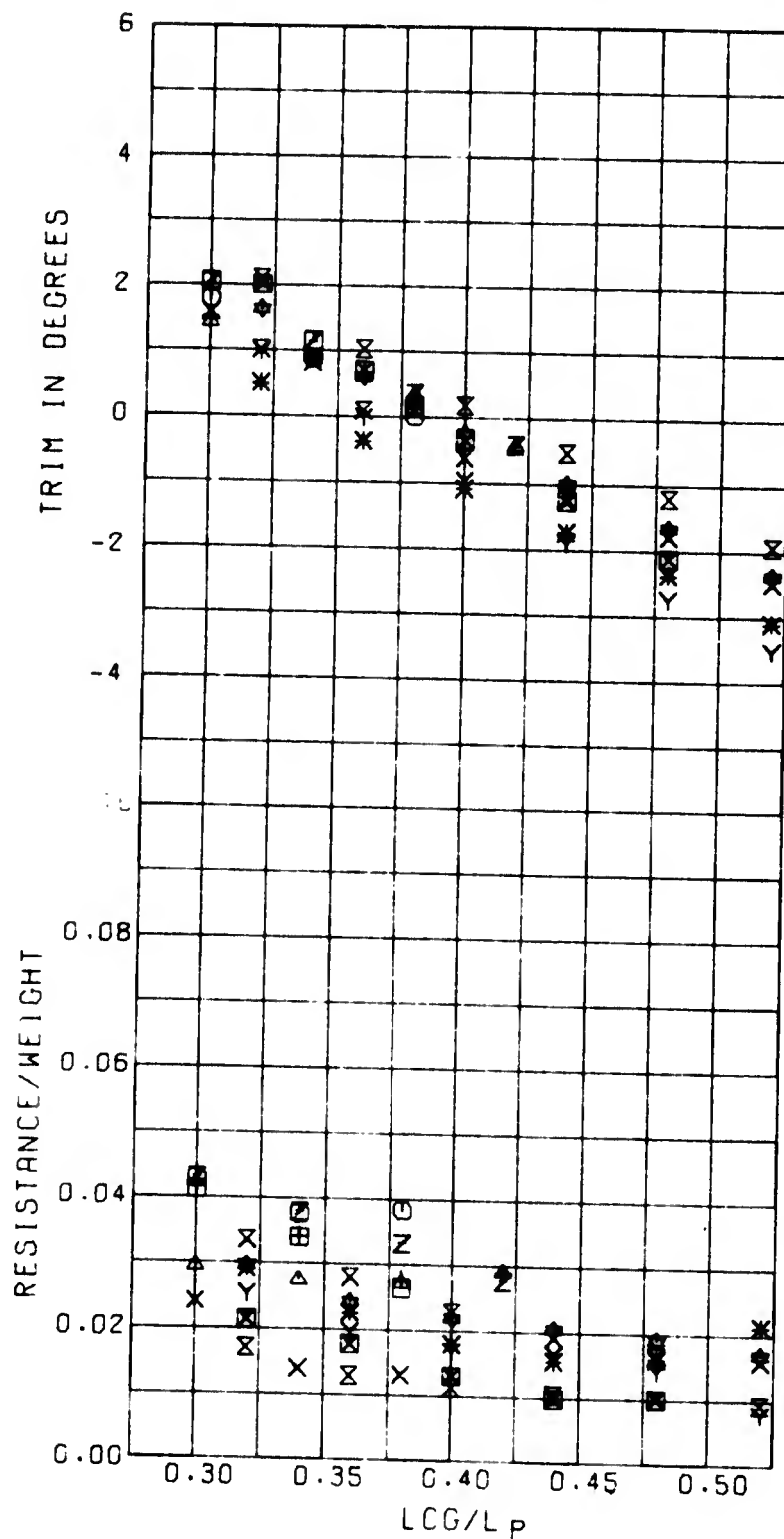
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4
●	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 9.0$$

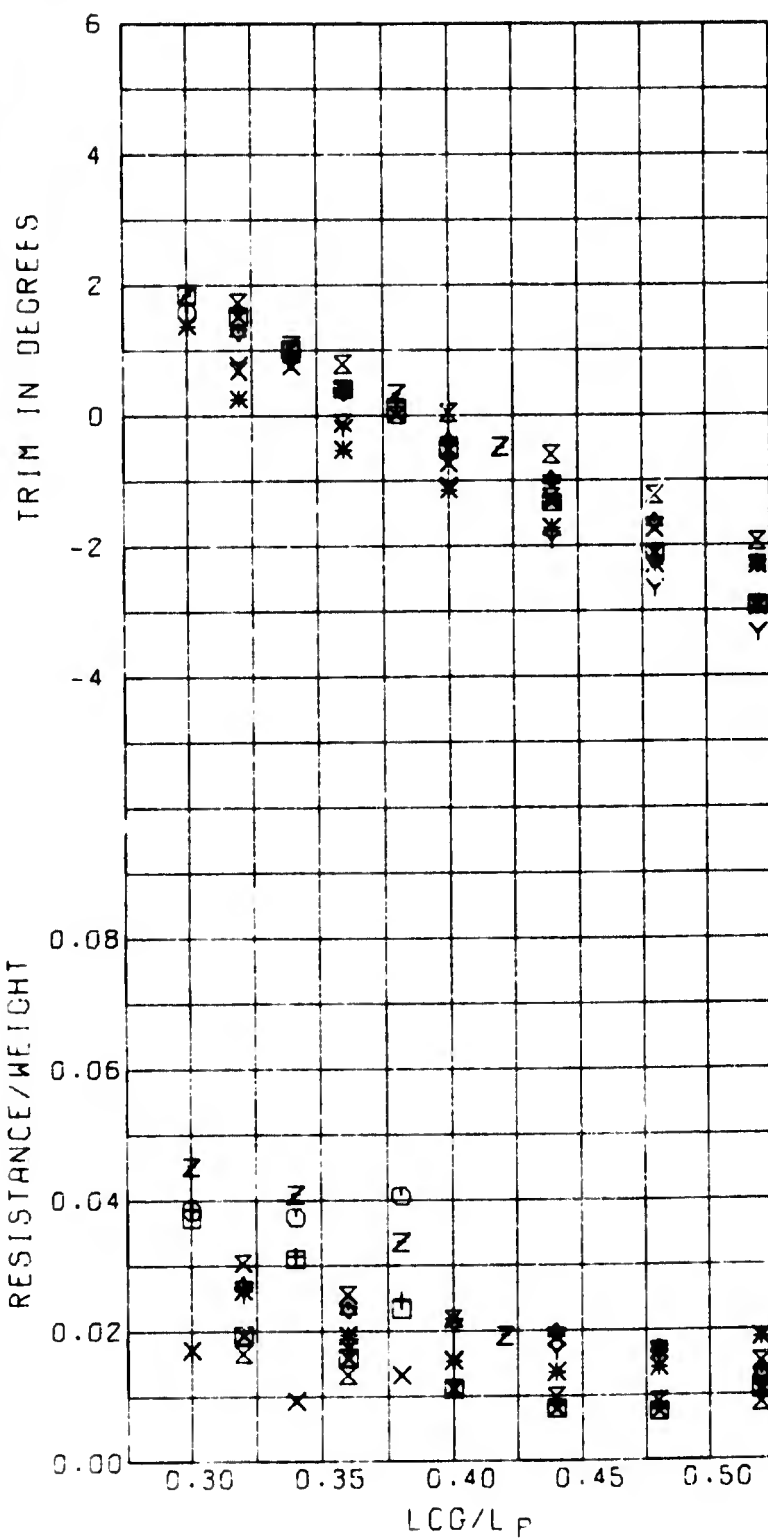
$$F_{N\nabla} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
X	5249	4.66	14.8
*	5198	4.66	20.5
+	4966-1	6.60	20.5
X	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 9.5$$

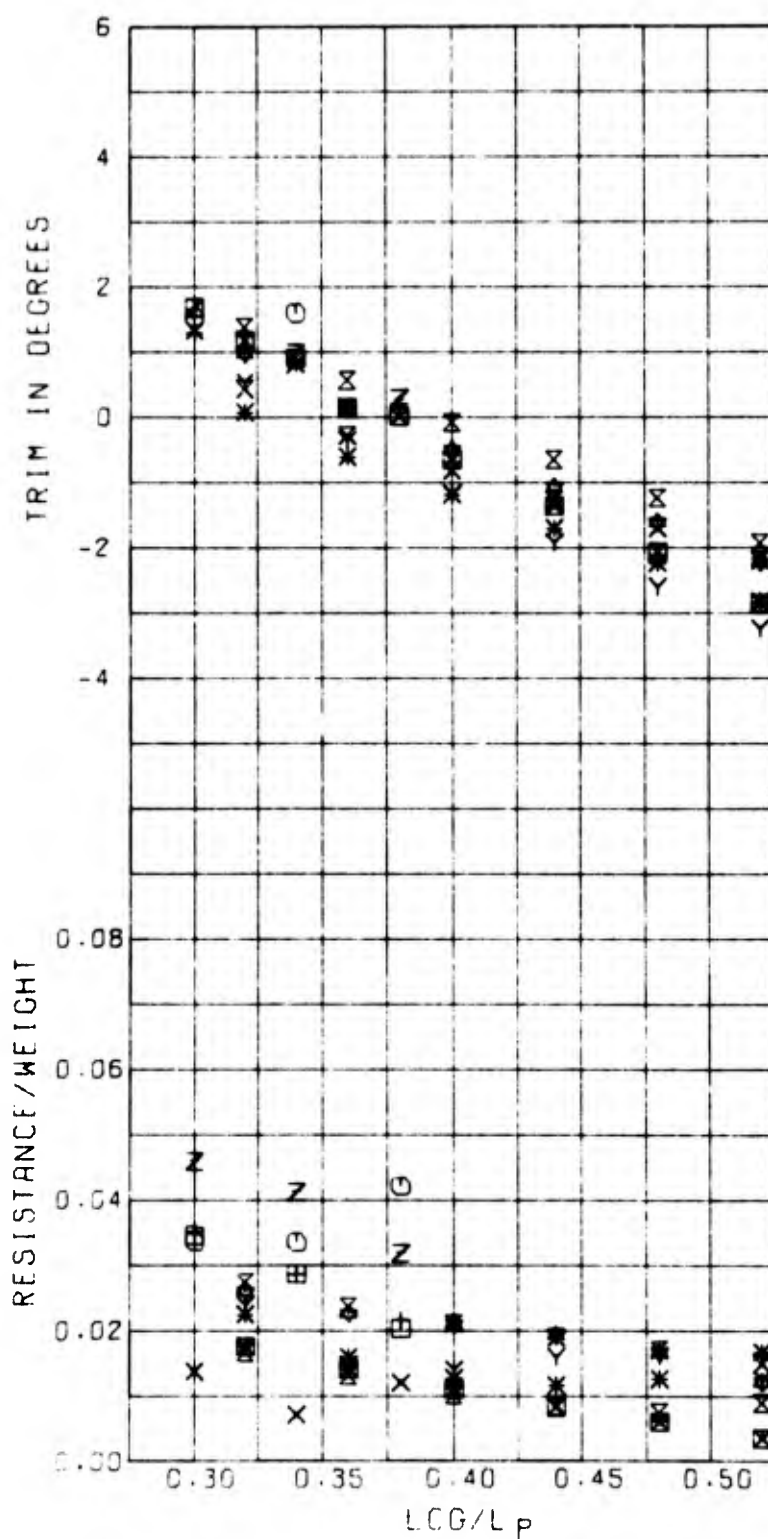
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
X	5249	4.66	14.8
*	5198	4.66	20.5
⊙	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
⊖	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 10.0$$

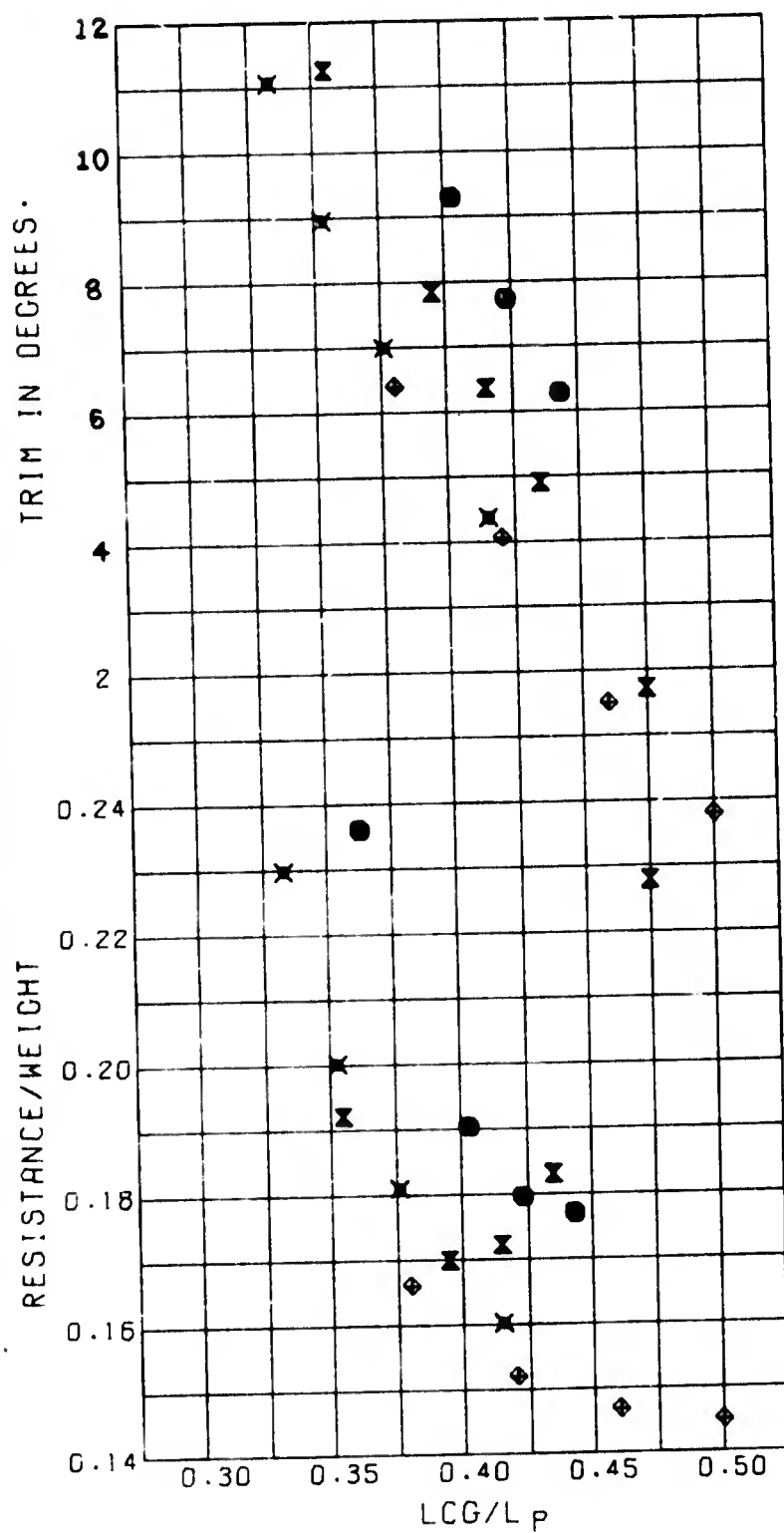
$$F_{NV} = 1.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/\nabla^{1/3} = 4.0$$

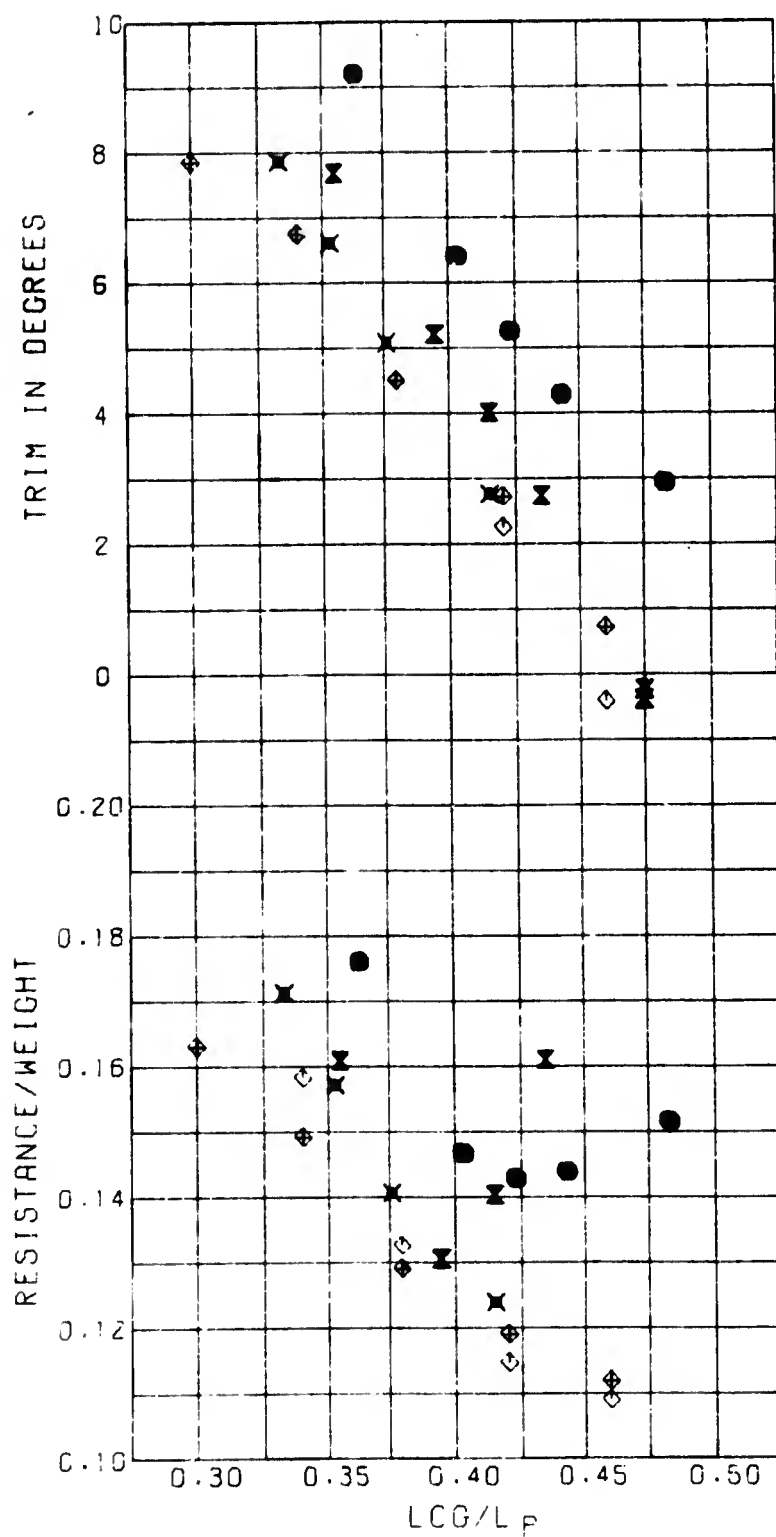
$$F_{N\nabla} = 1.25$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
◆	5237	2.35	16.3
⌵	4665	2.00	12.5
●	4666	3.06	12.5
×	DL 62-A	3.06	13.0

$$L_P / \nabla^{1/3} = 4.5$$

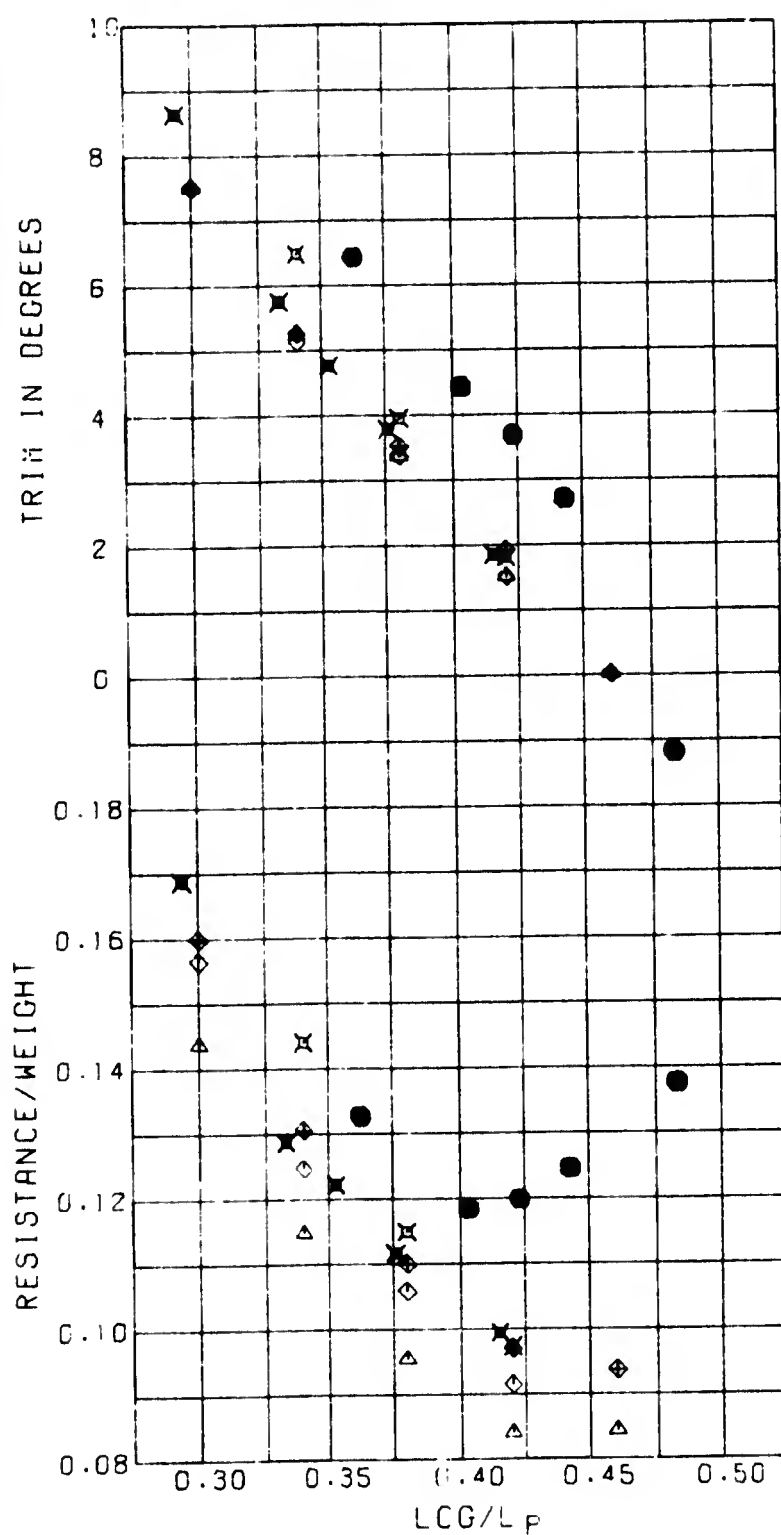
$$F_{N\Delta} = 1.25$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
◆	5237	2.35	16.3
◇	5186	3.32	22.5
⊠	4665	2.00	12.5
●	4666	3.06	12.5
⊠	DL 62-A	3.06	13.0

$$L_P \cdot V^{1/3} = 5.0$$

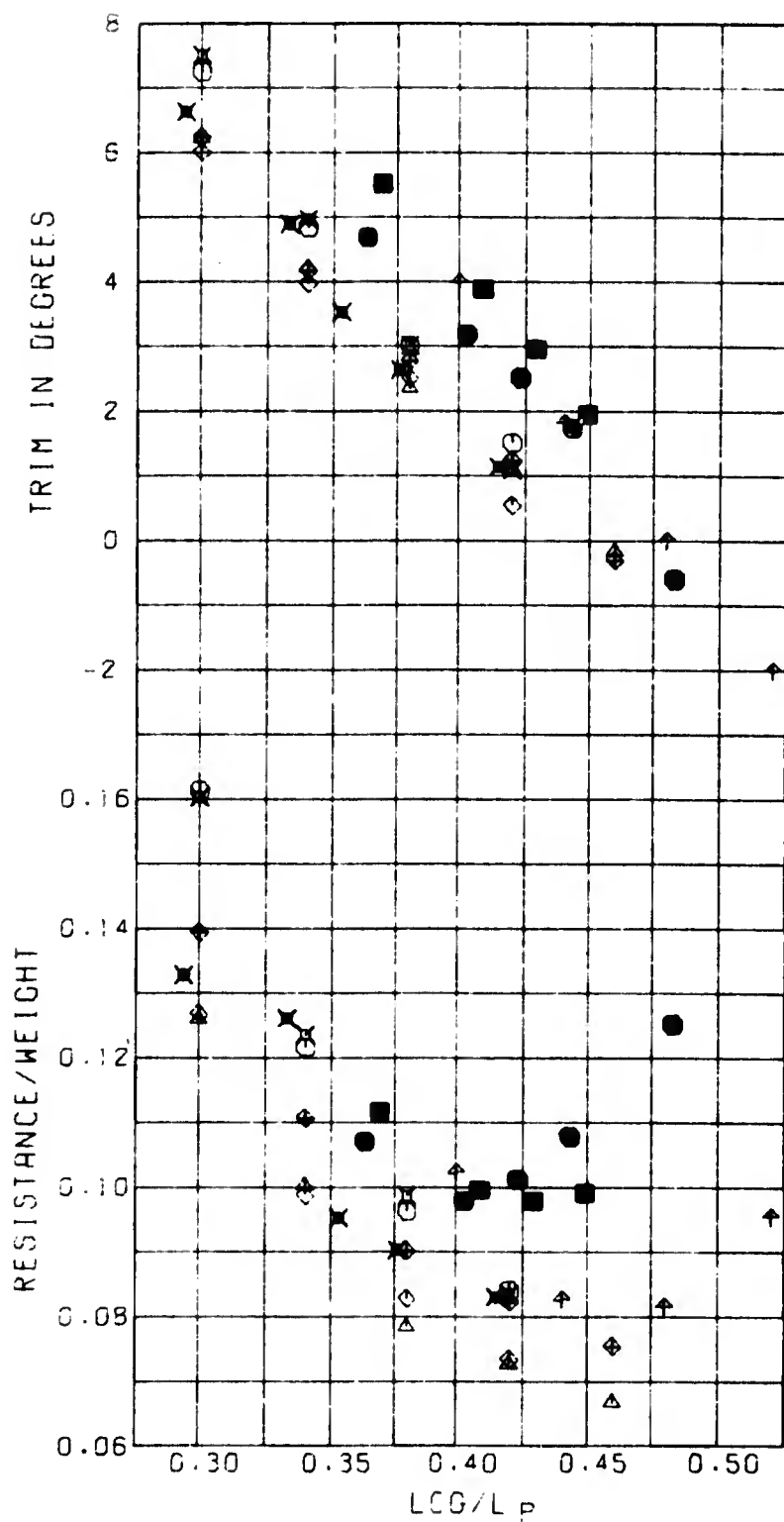
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
✕	5236	4.69	30.4
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 5.5$$

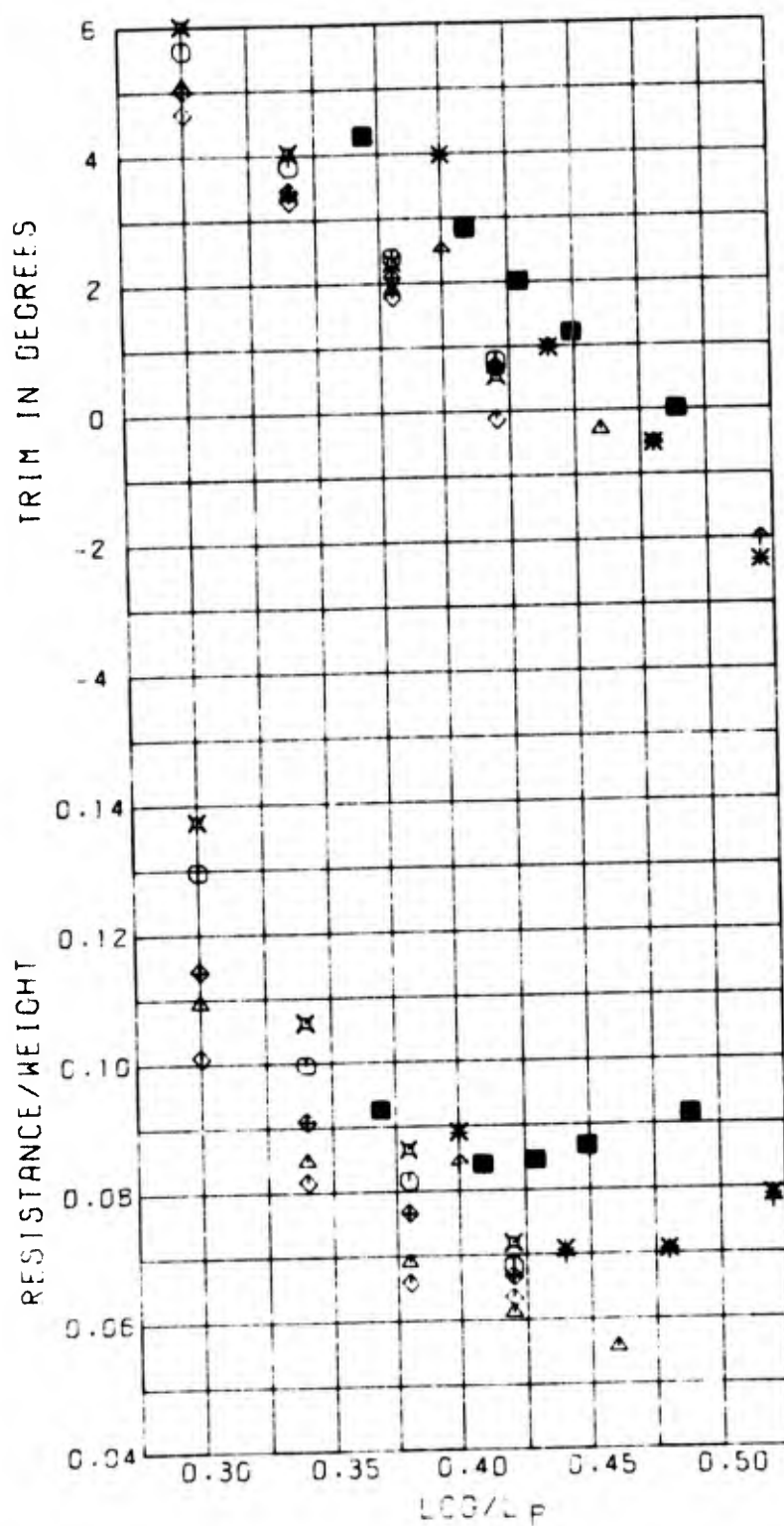
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
■	4667-1	4.09	12.5
×	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 6.0$$

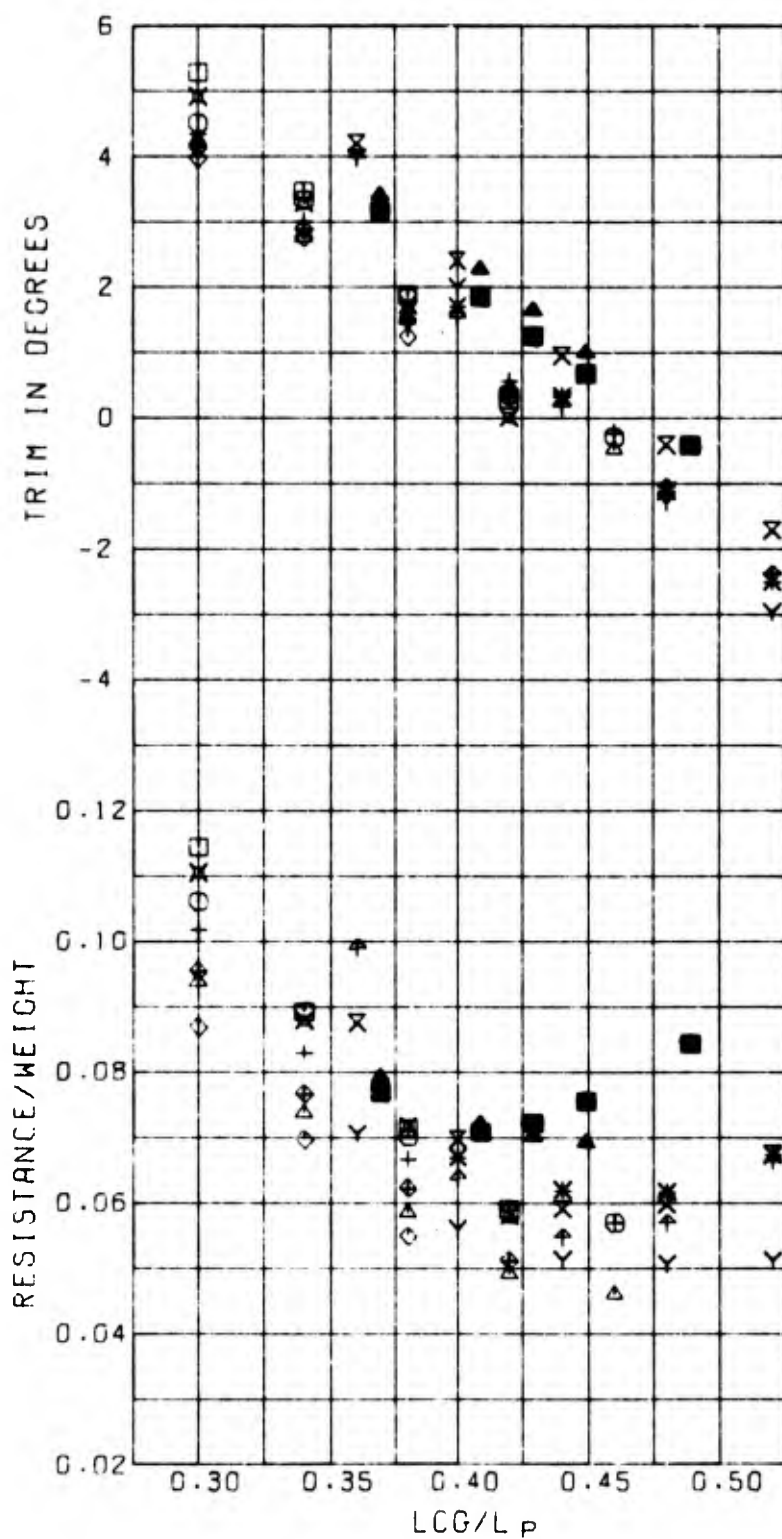
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
+	5251	3.30	14.8
*	5198	4.66	20.5
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
⊙	5184	4.69	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/V^{1/3} = 6.5$$

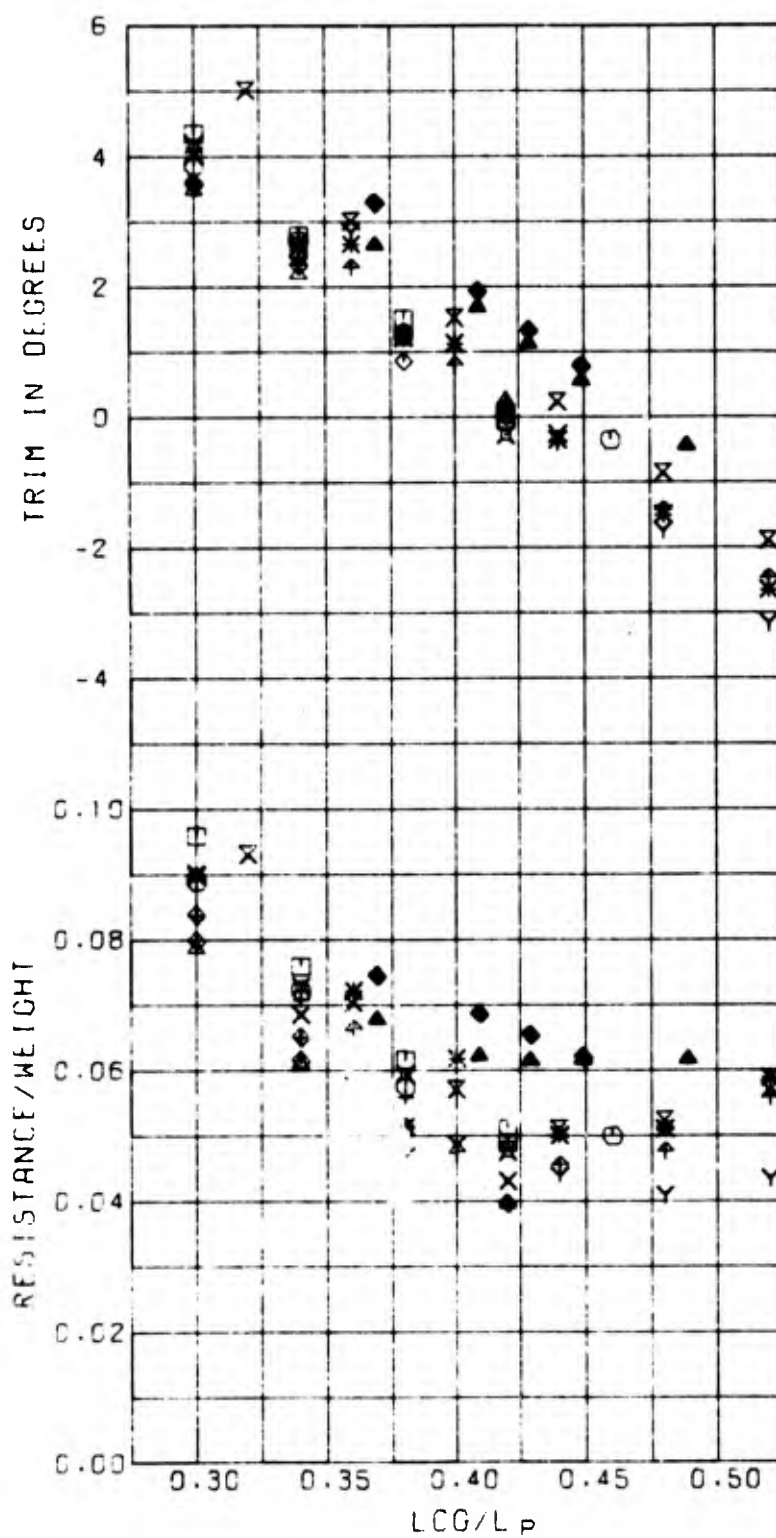
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
+	5251	3.30	14.8
x	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◇	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
x	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/V^{1/3} = 7.0$$

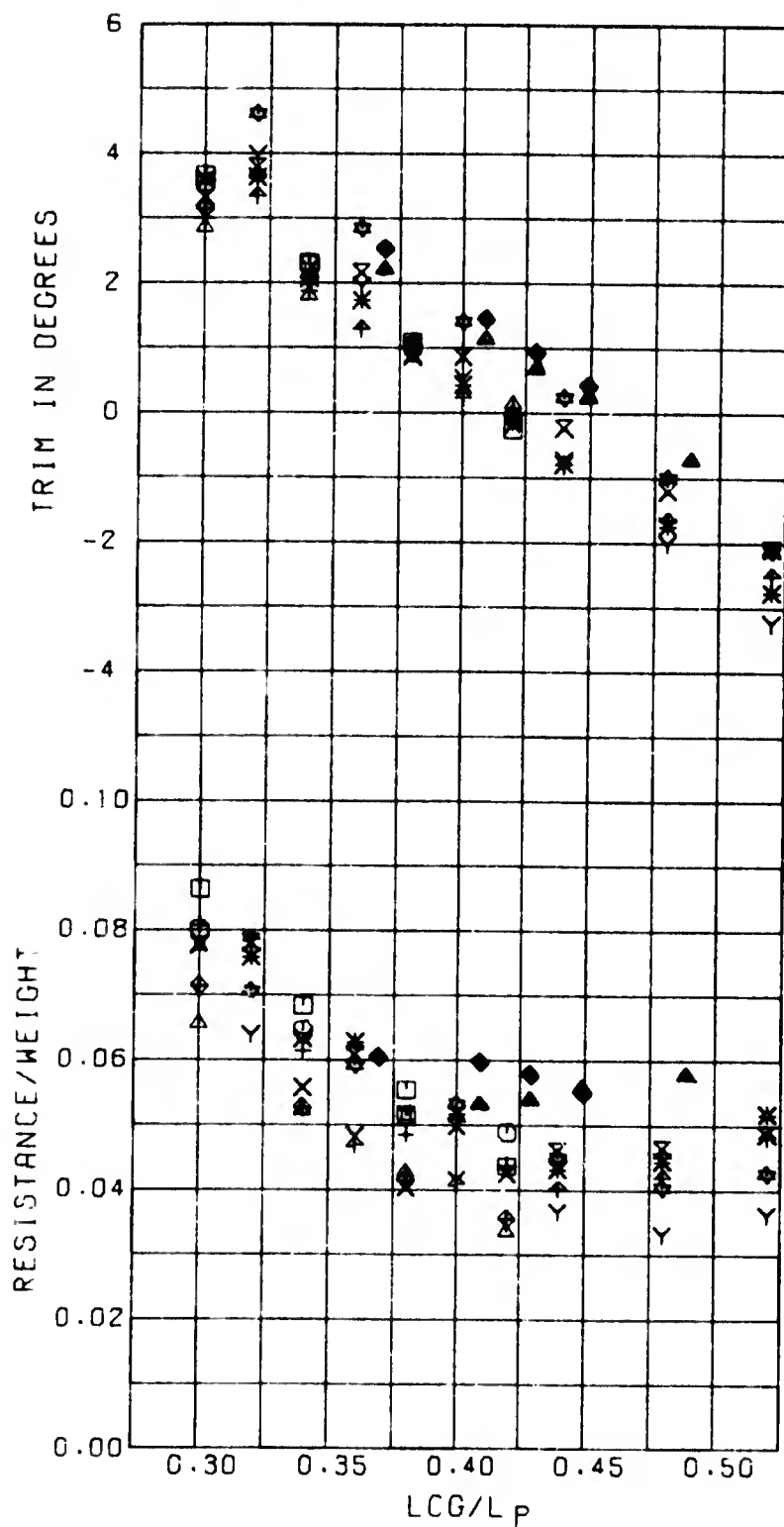
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
+	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
X	5167	6.64	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 7.5$$

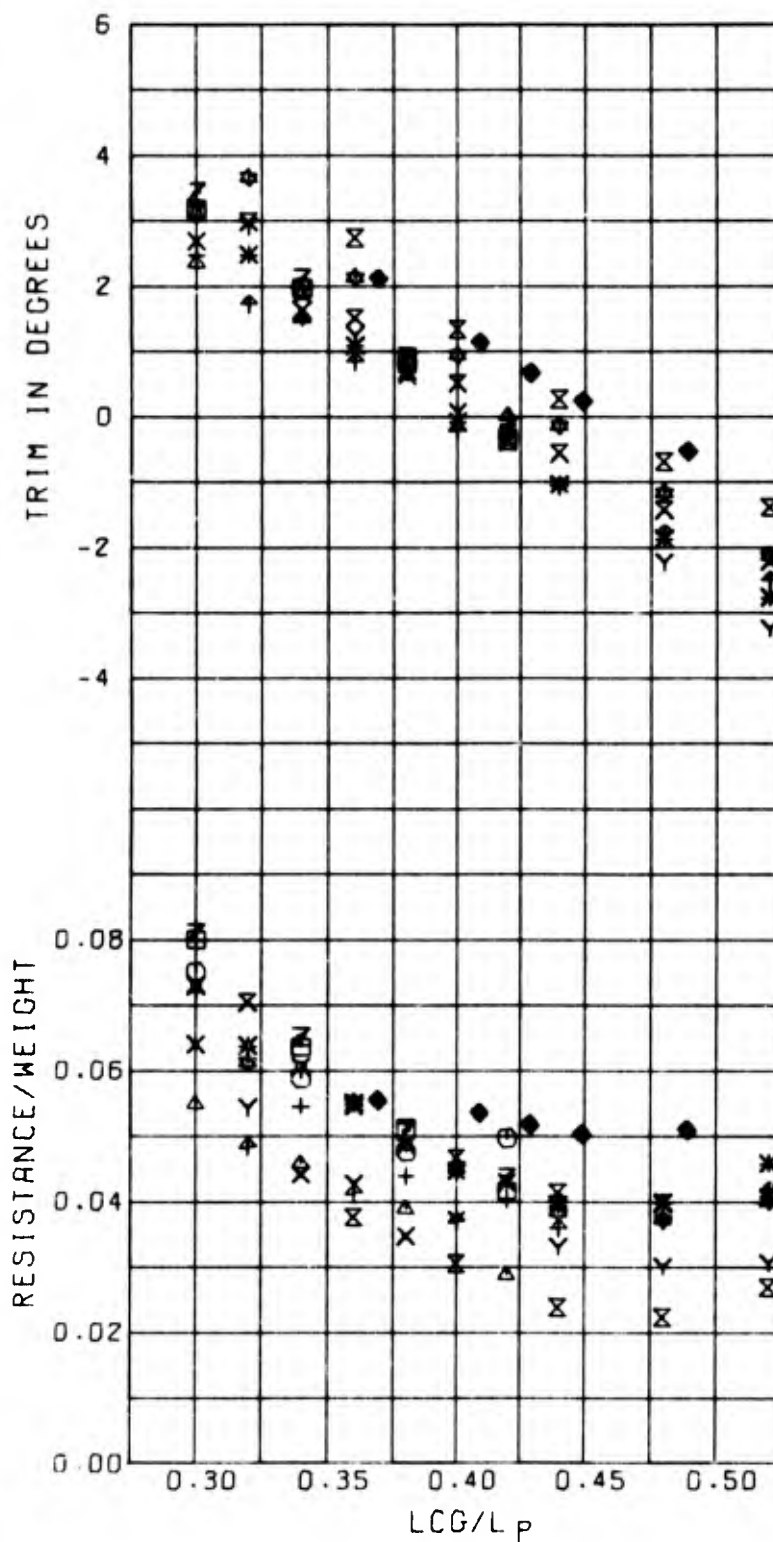
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
Y	5250	6.60	27.7
◇	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
●	4669	7.00	12.5

$$L_P/V^{1/3} = 8.0$$

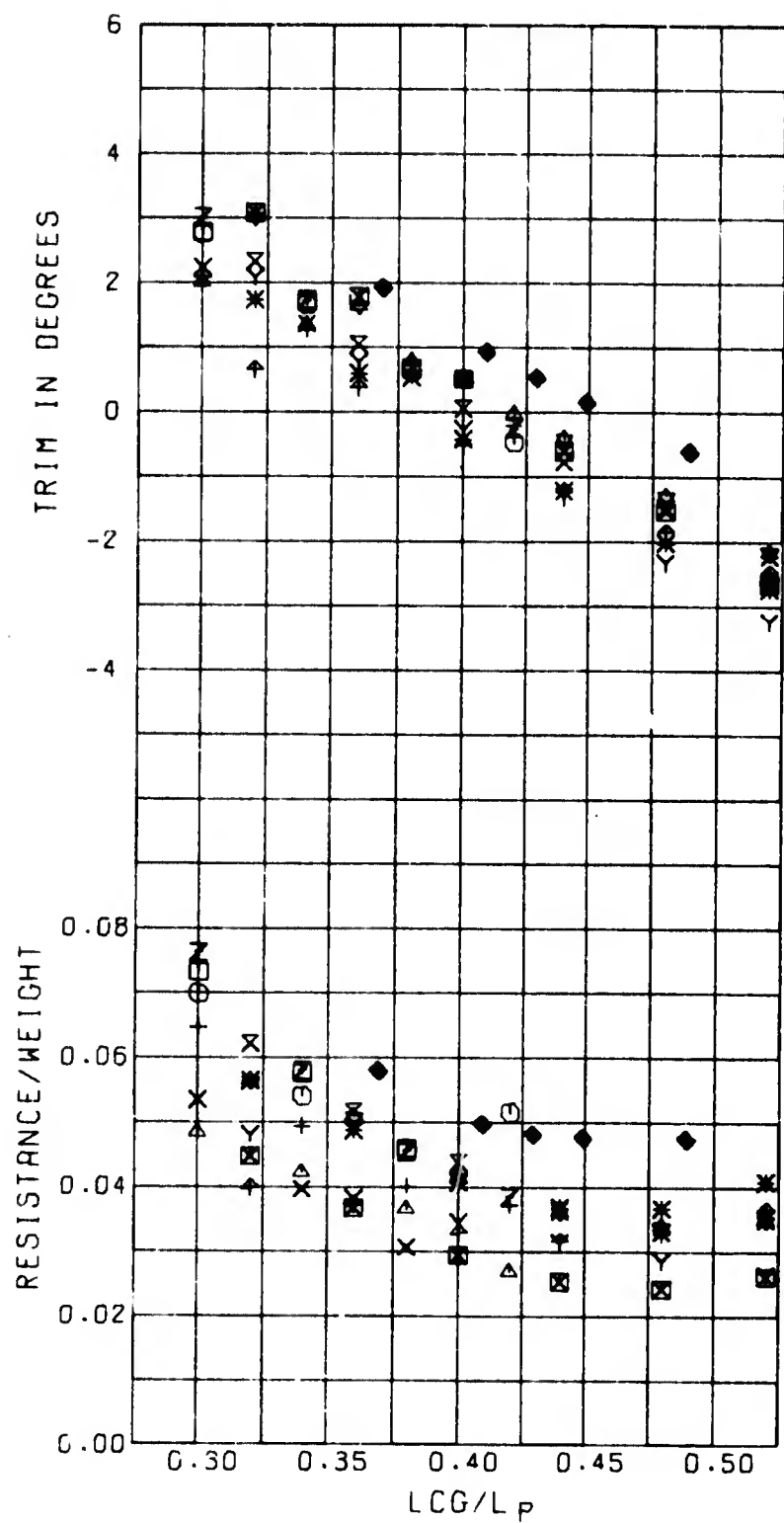
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊛	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.5$$

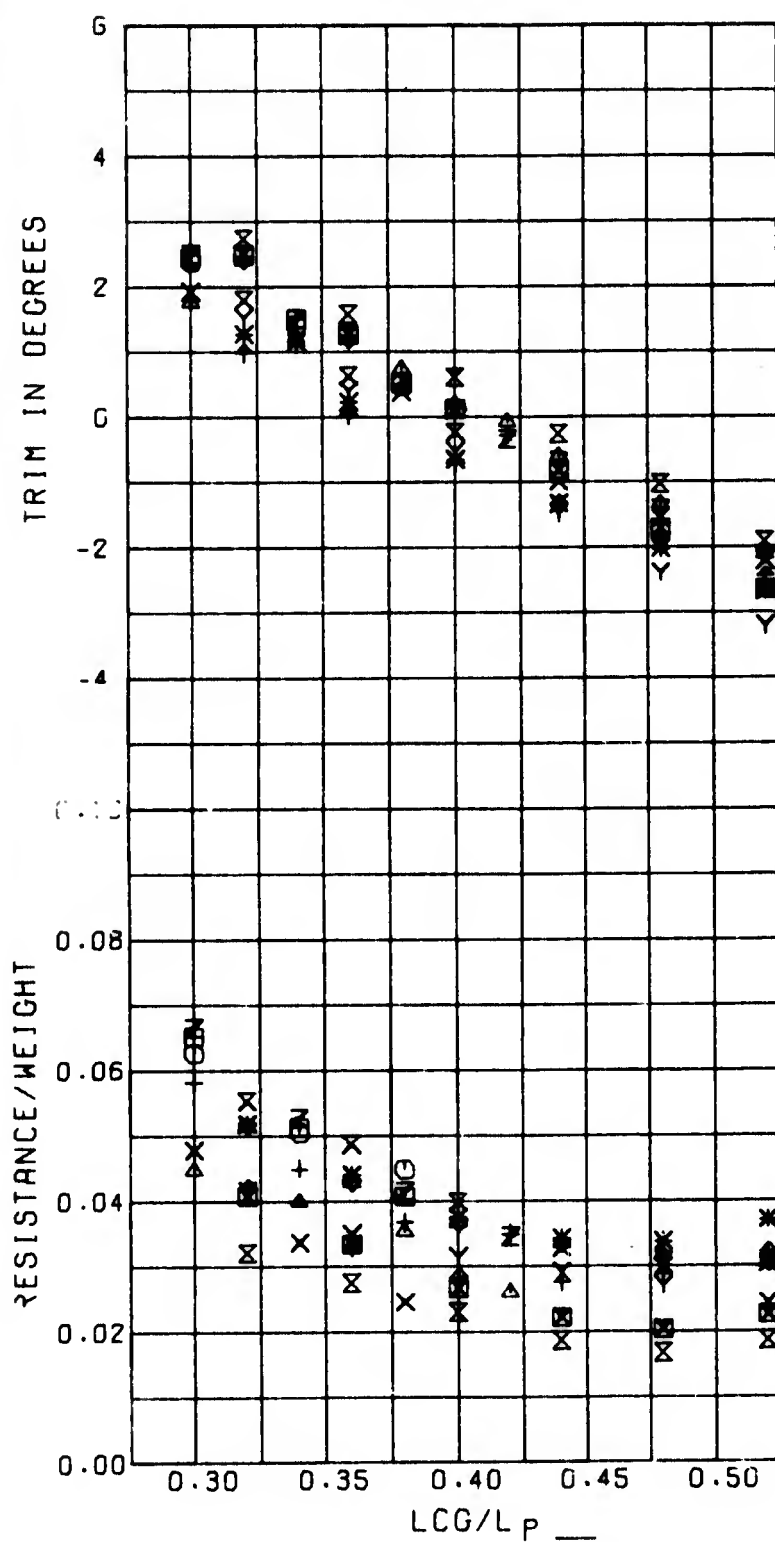
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
☆	4966-1	6.60	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 9.0$$

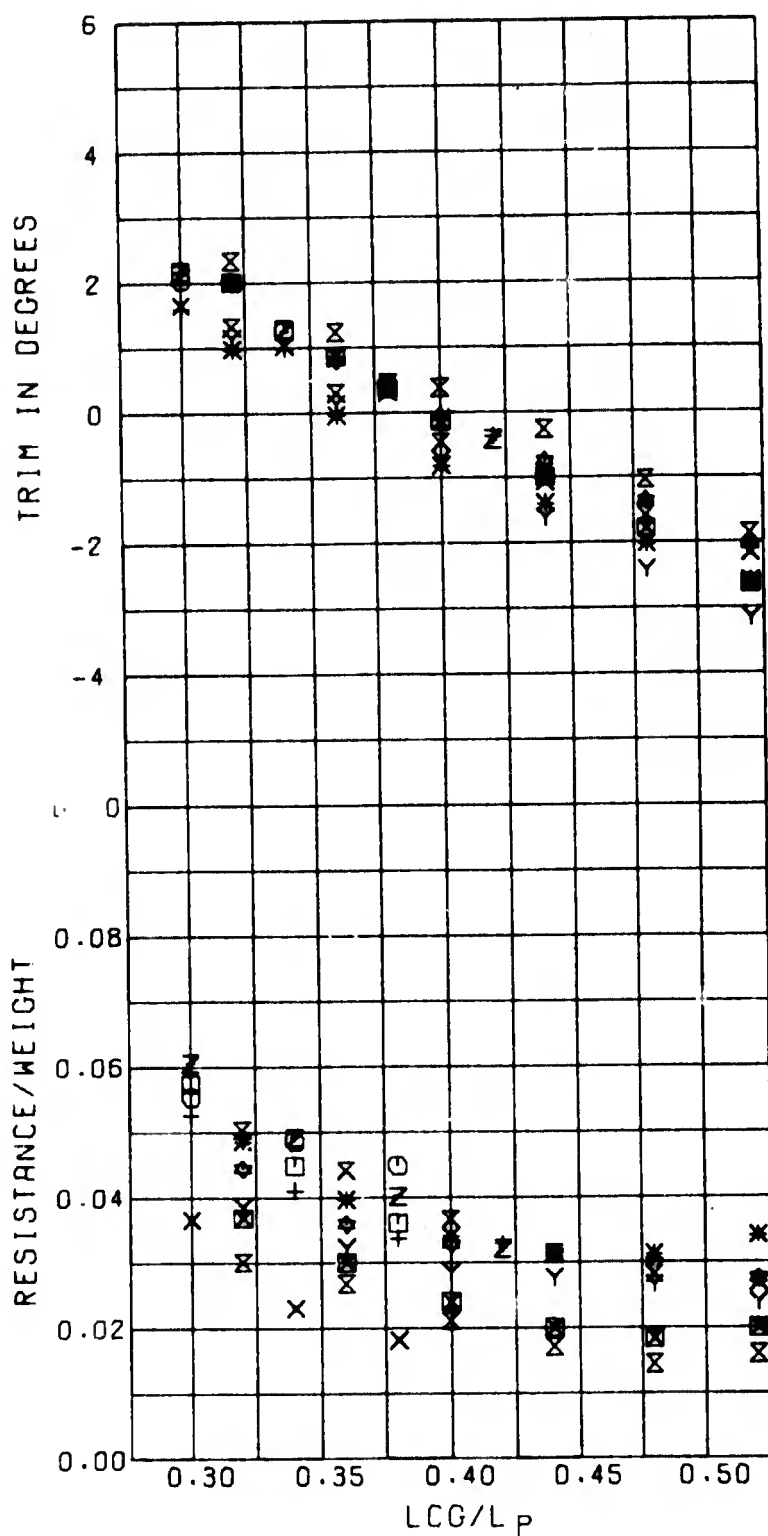
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊛	4966-1	6.60	20.5
Z	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 9.5$$

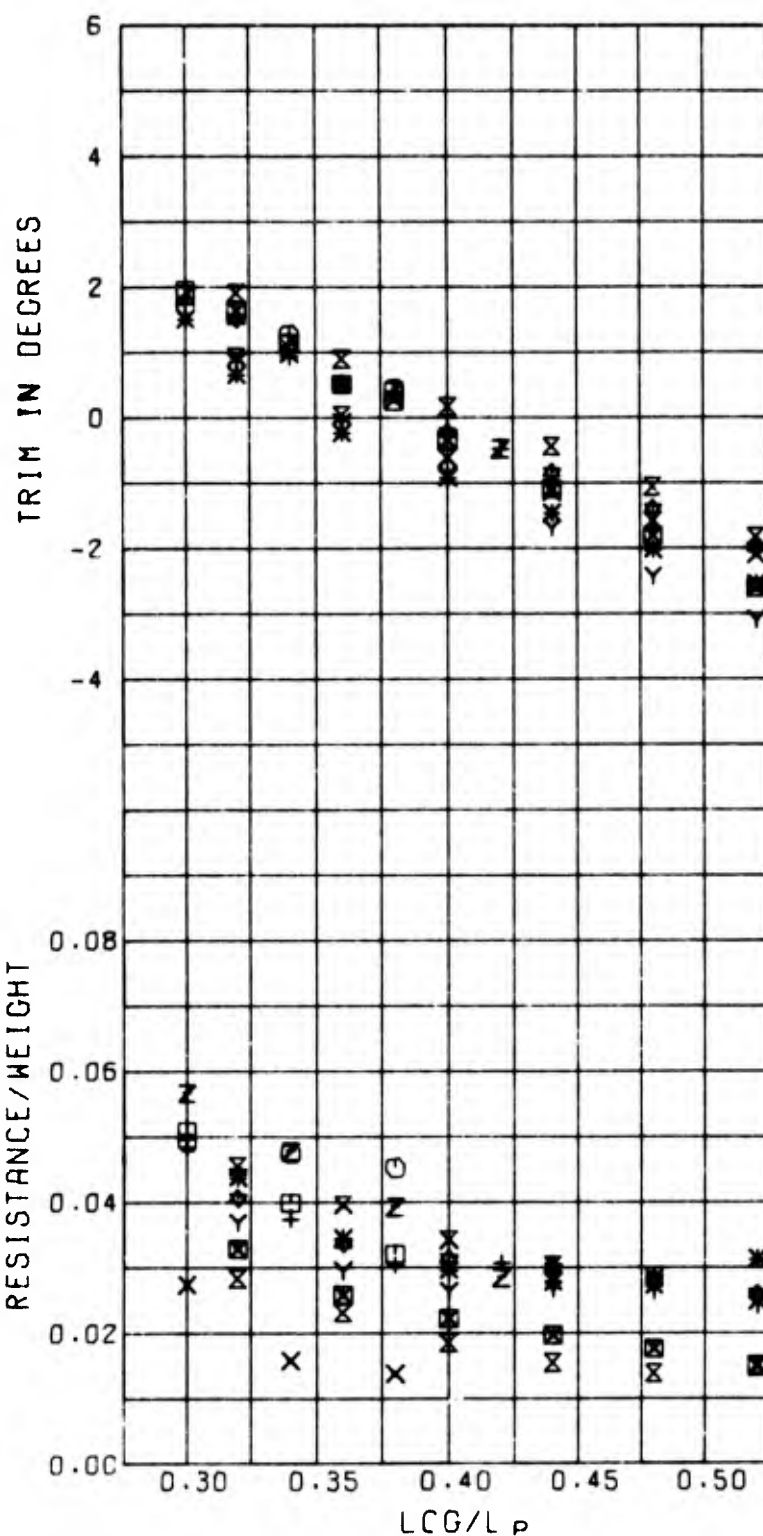
$$F_{NV} = 1.25$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
X	5249	4.66	14.8
*	5198	4.66	20.5
+	4966-1	6.60	20.5
X	5204	9.34	20.5
Y	5250	6.60	27.7
□	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 10.0$$

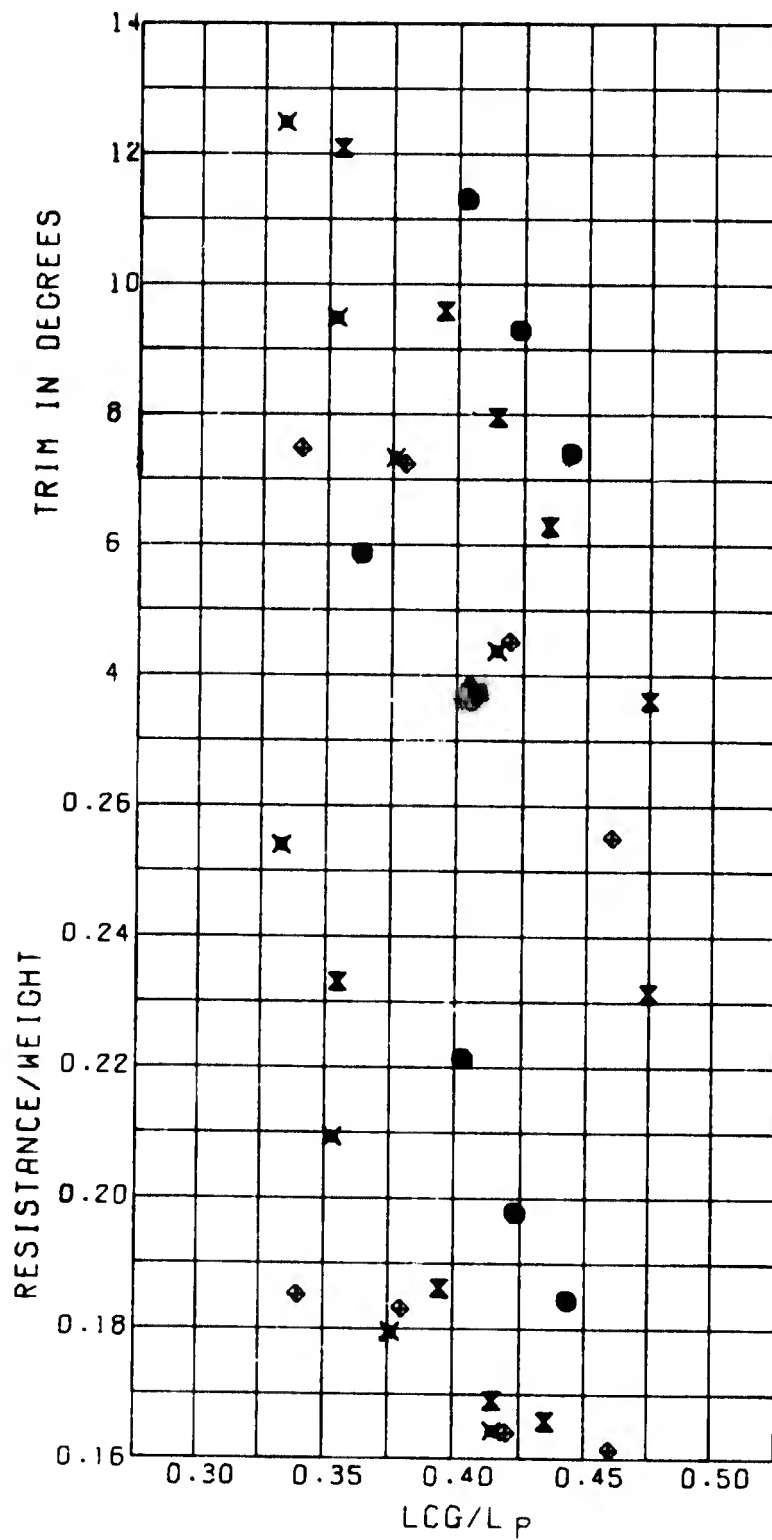
$$F_{NV} = 1:25$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
X	5249	4.66	14.8
*	5198	4.66	20.5
+	4966-1	6.60	20.5
X	5204	9.34	20.5
Y	5250	6.60	27.7
□	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 4.0$$

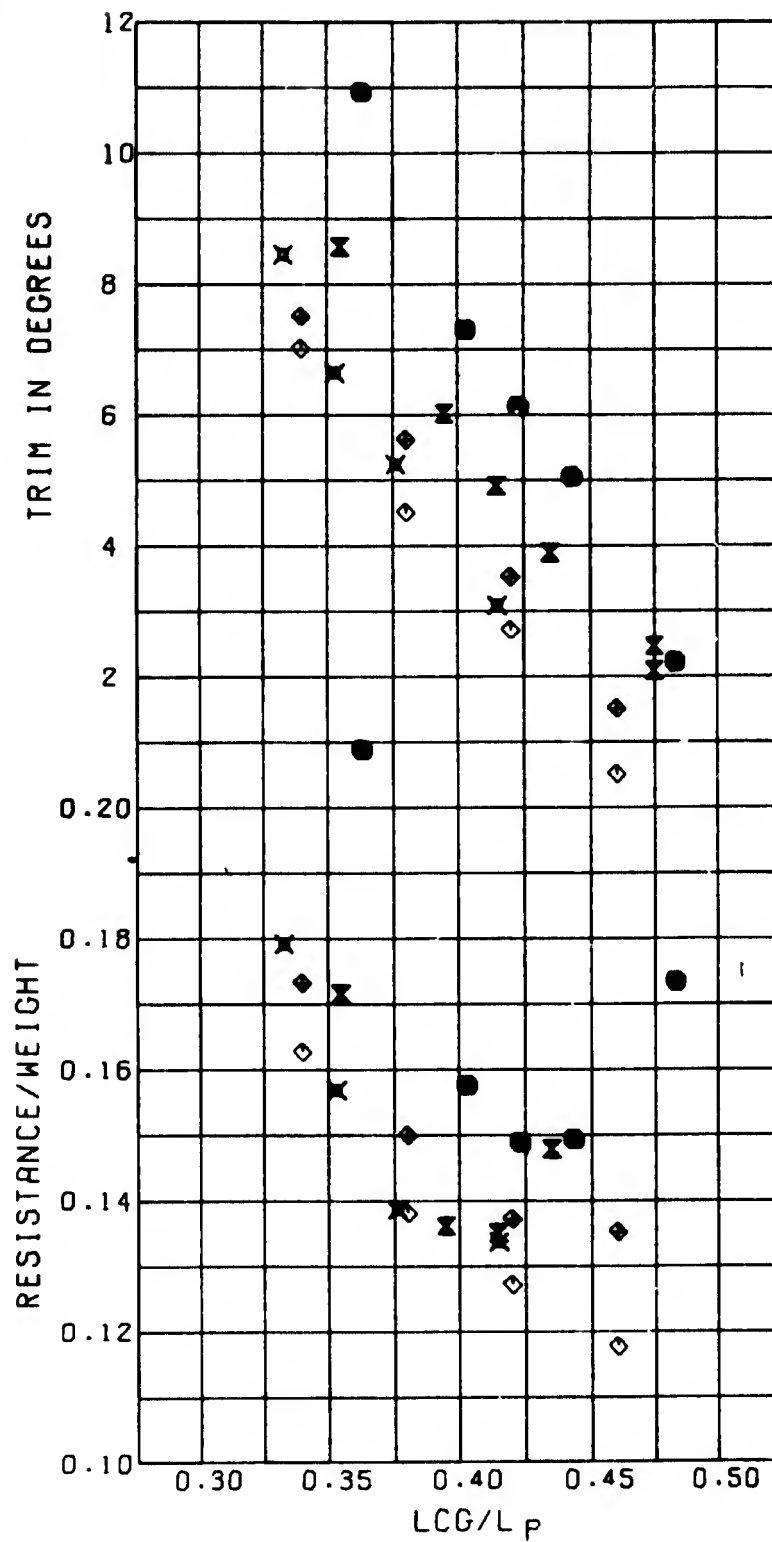
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
♦	5237	2.35	16.3
✕	4665	2.00	12.5
●	4666	3.06	12.5
*	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 4.5$$

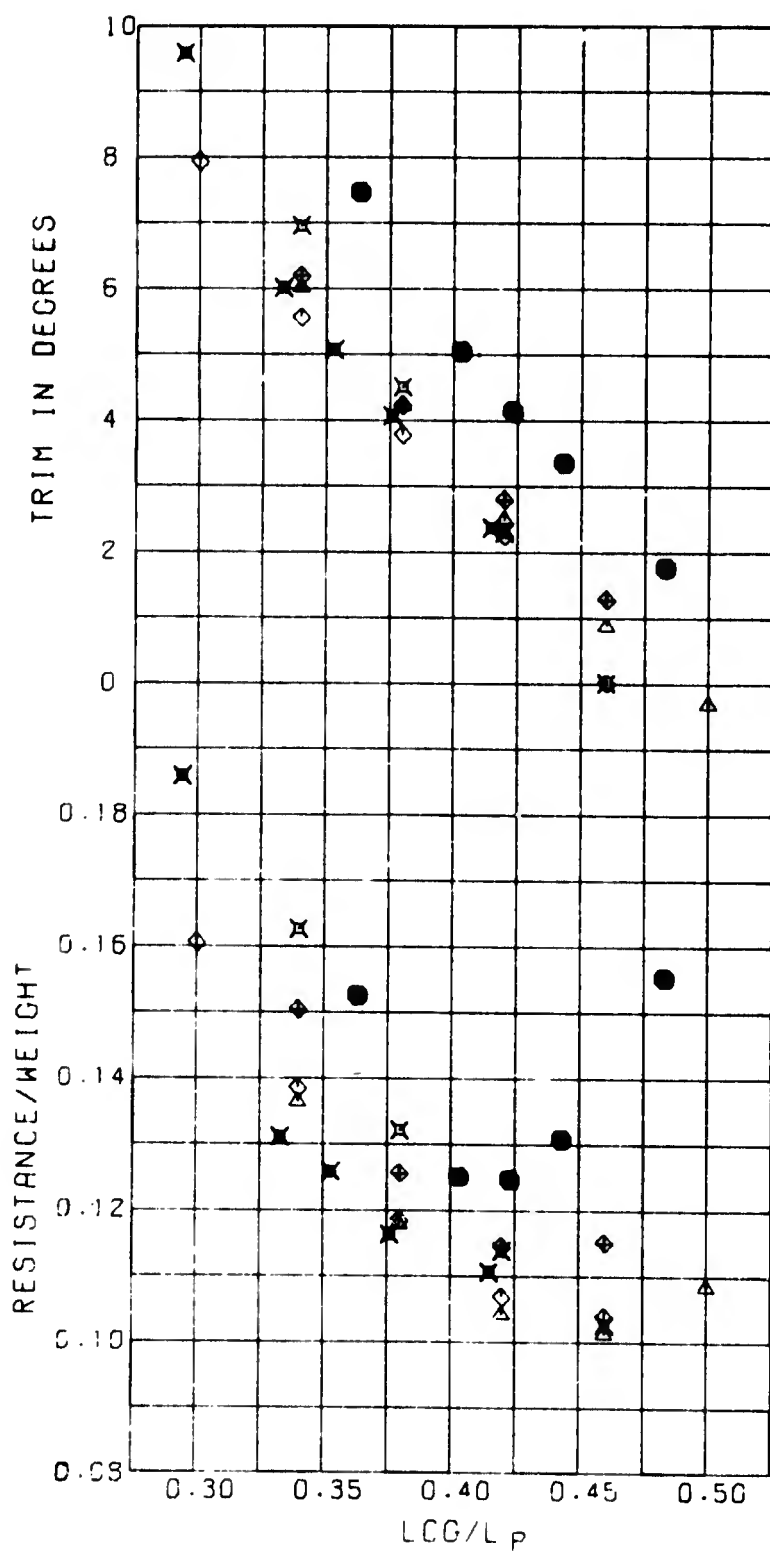
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
◇	5186	3.32	22.5
⋈	4665	2.00	12.5
●	4666	3.06	12.5
×	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 5.0$$

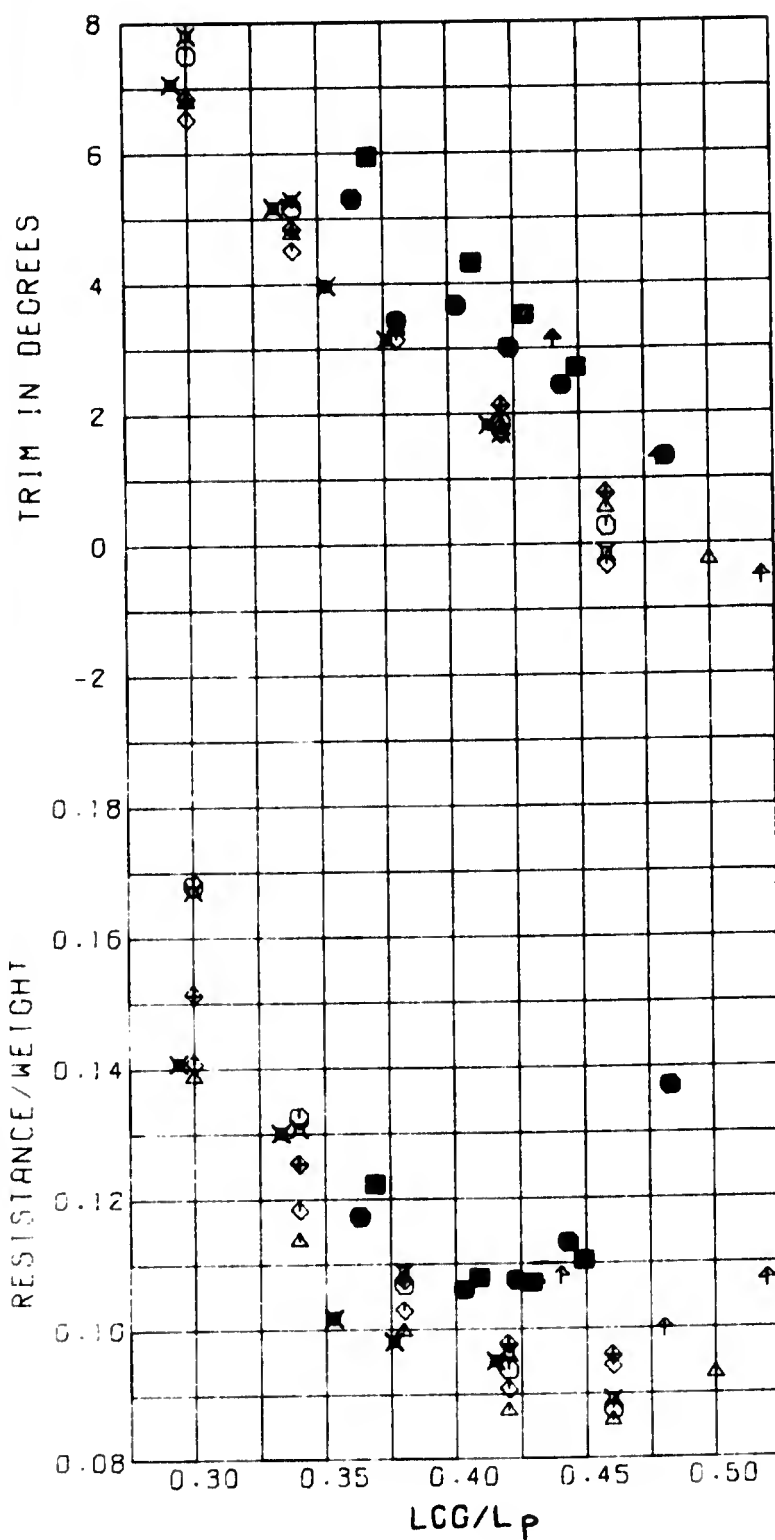
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
✕	5236	4.69	30.4
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 5.5$$

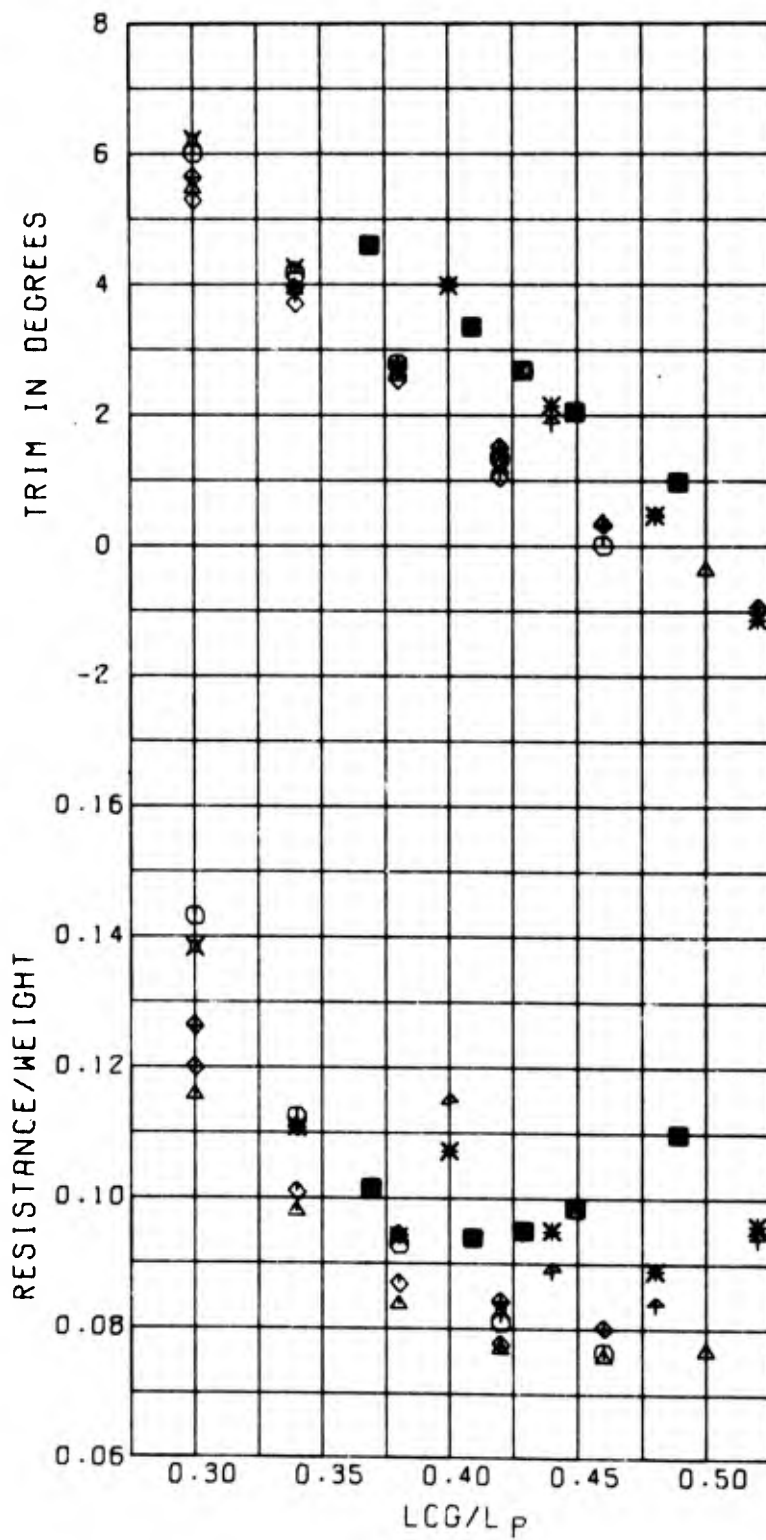
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
■	4667-1	4.09	12.5
×	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 6.0$$

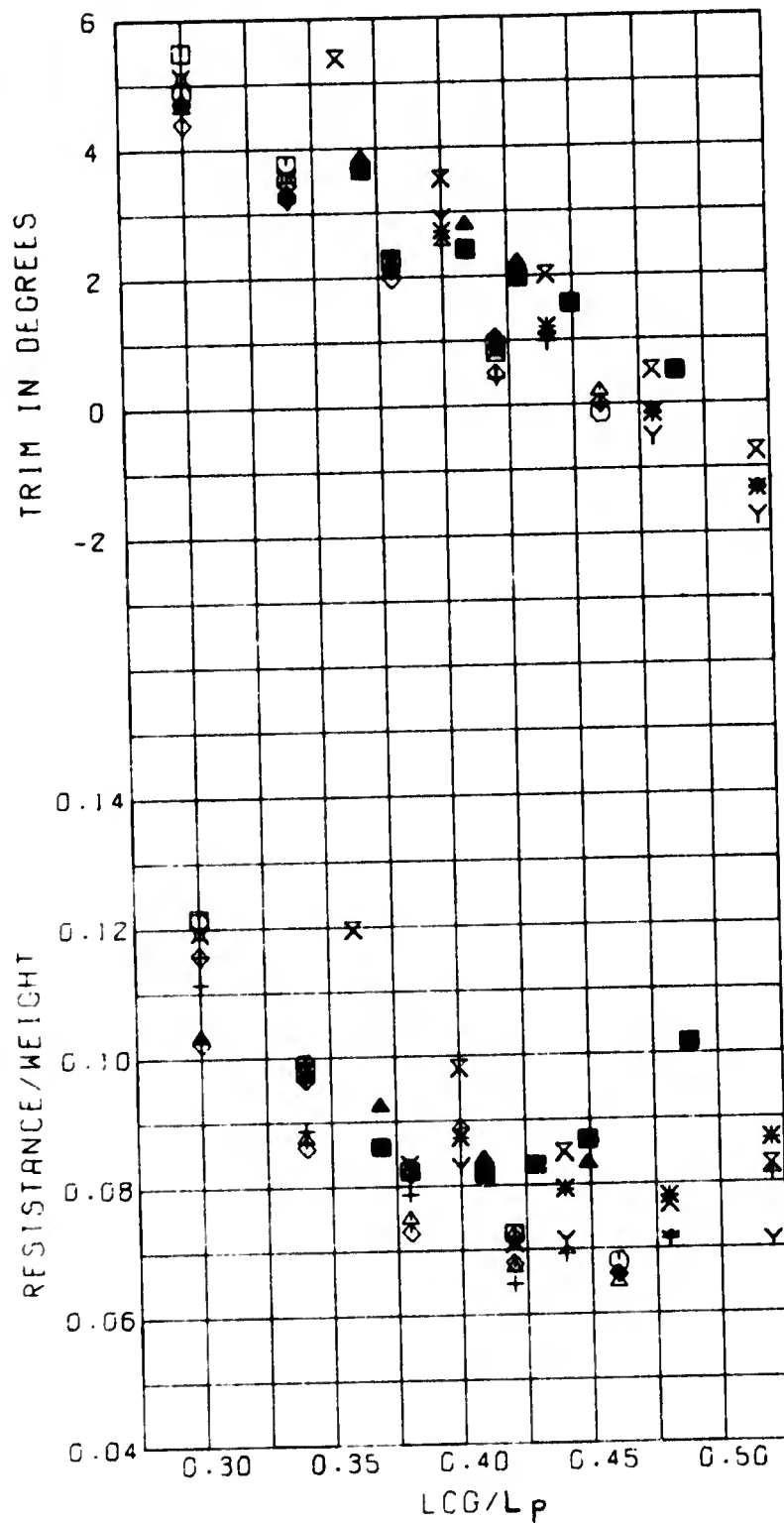
$$F_{N\nabla} = 1.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
*	5198	4.66	20.5
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/V^{1/3} = 6.5$$

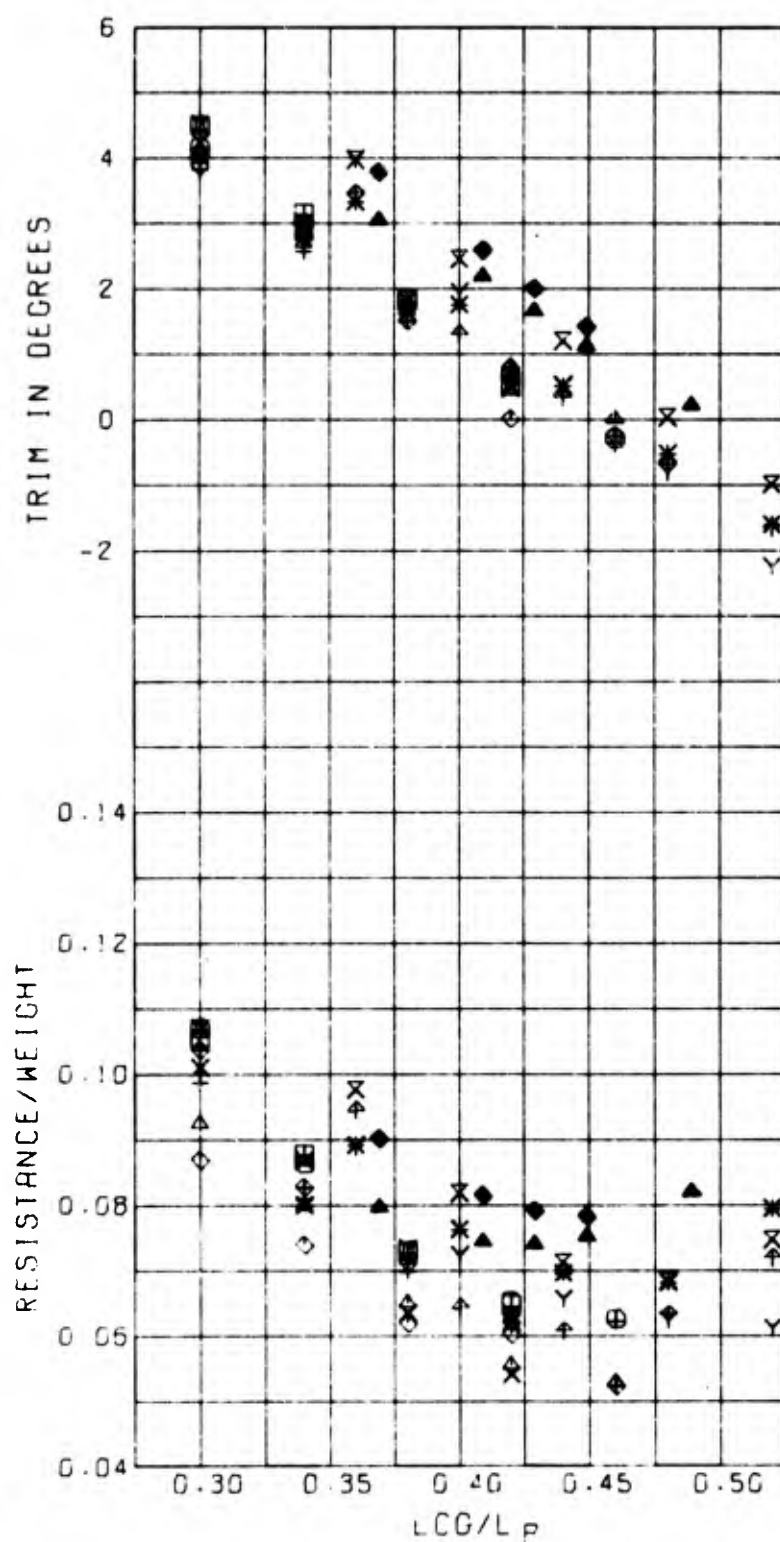
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
+	5251	3.30	14.8
x	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.09	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
x	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/V^{1/3} = 7.0$$

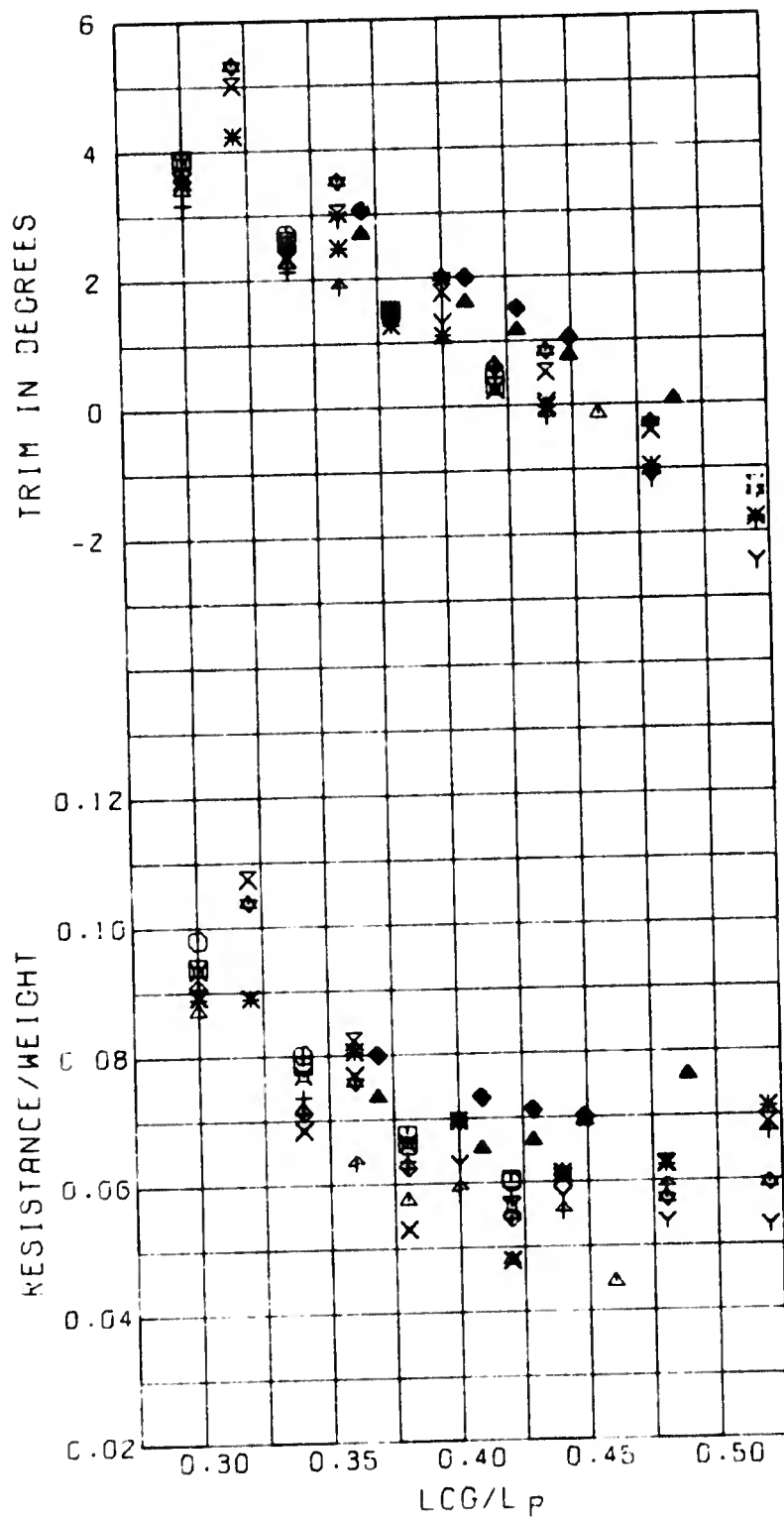
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5190	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
⊖	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
⊠	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 7.5$$

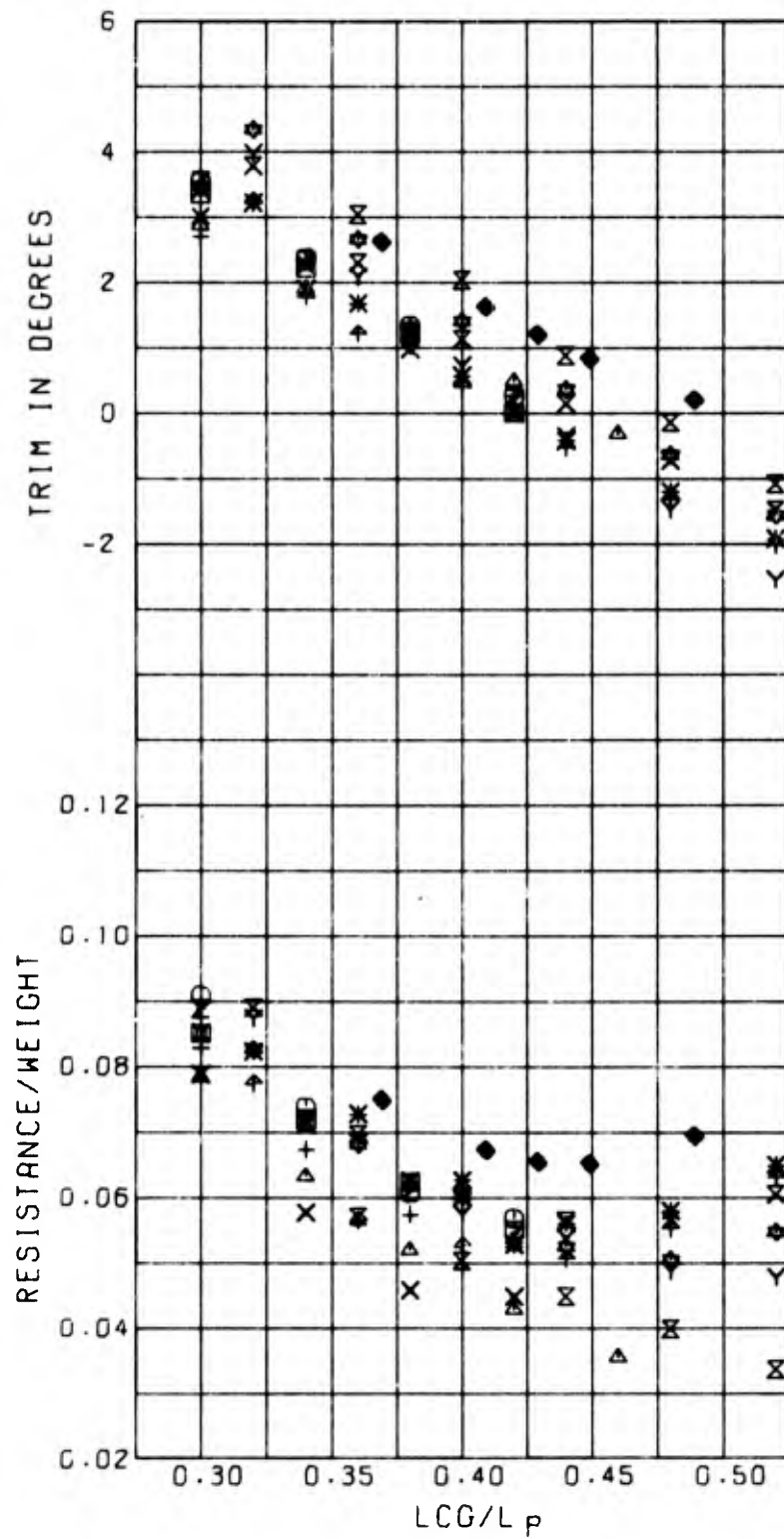
$$F_{N\nabla} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.00	14.8
*	5198	4.06	20.5
⊛	4966-1	6.60	20.5
Y	5250	6.60	27.7
⊙	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.0$$

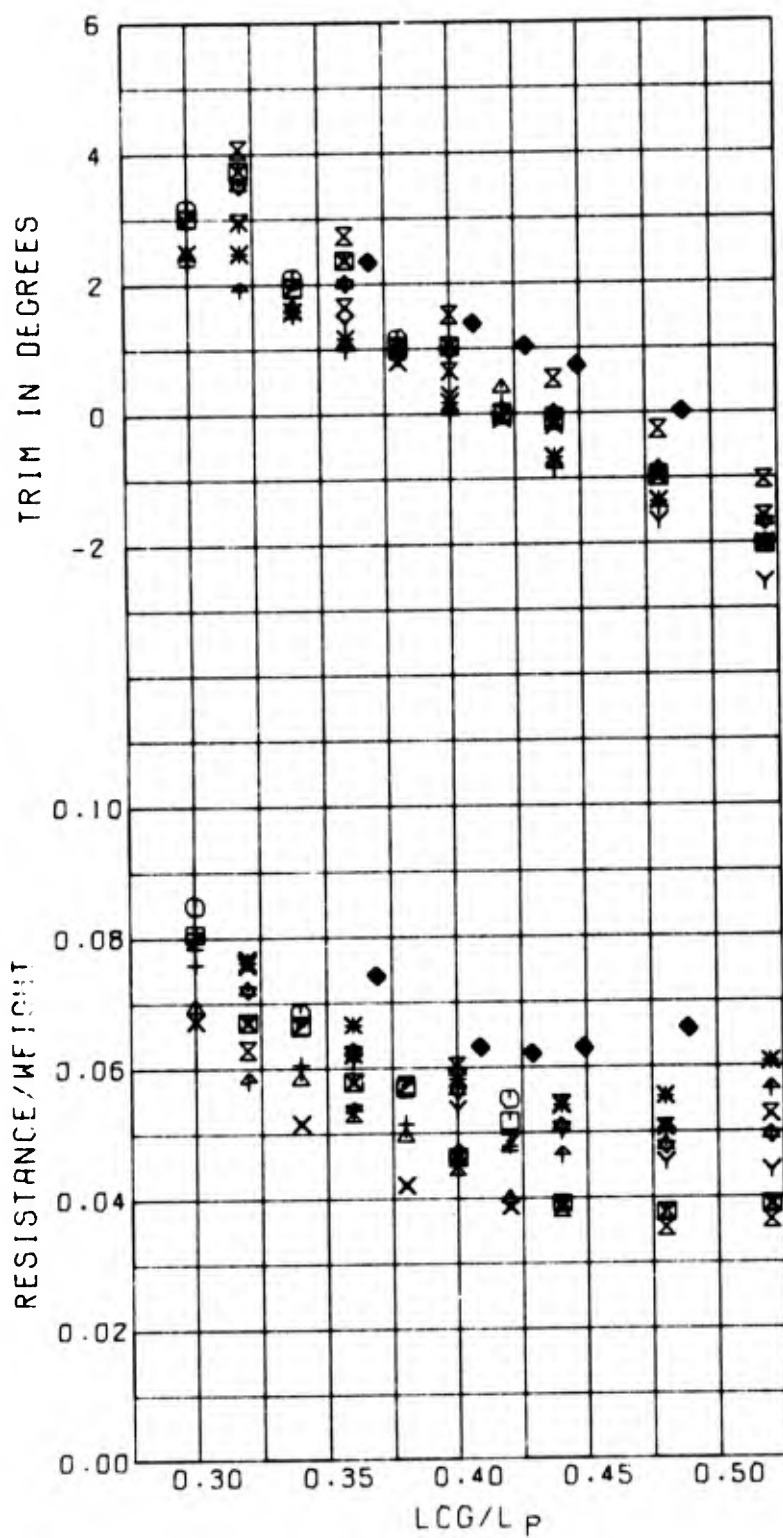
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
☆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
⊖	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
⊖	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.5$$

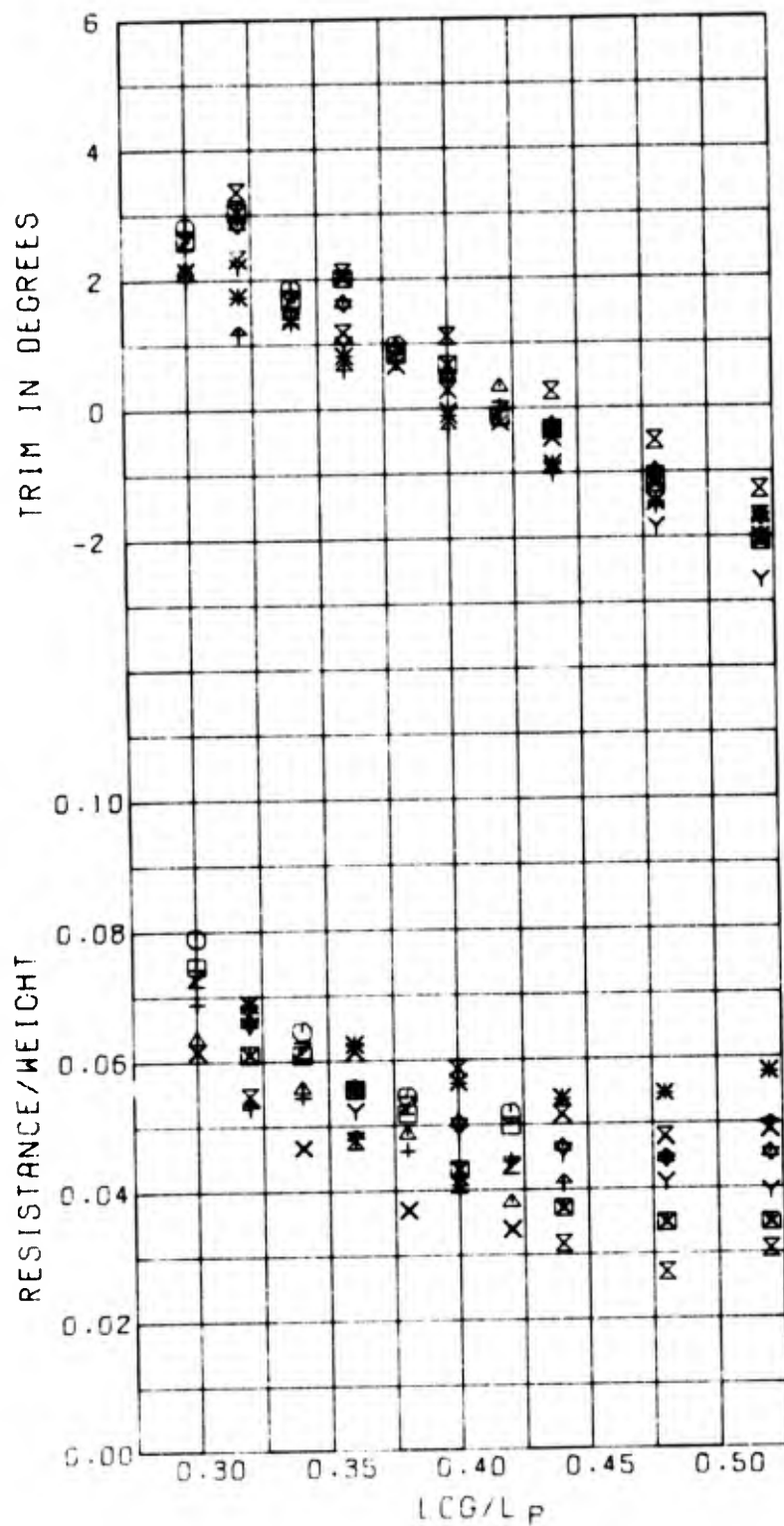
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
†	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊛	4966-1	6.60	20.5
Z	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 9.0$$

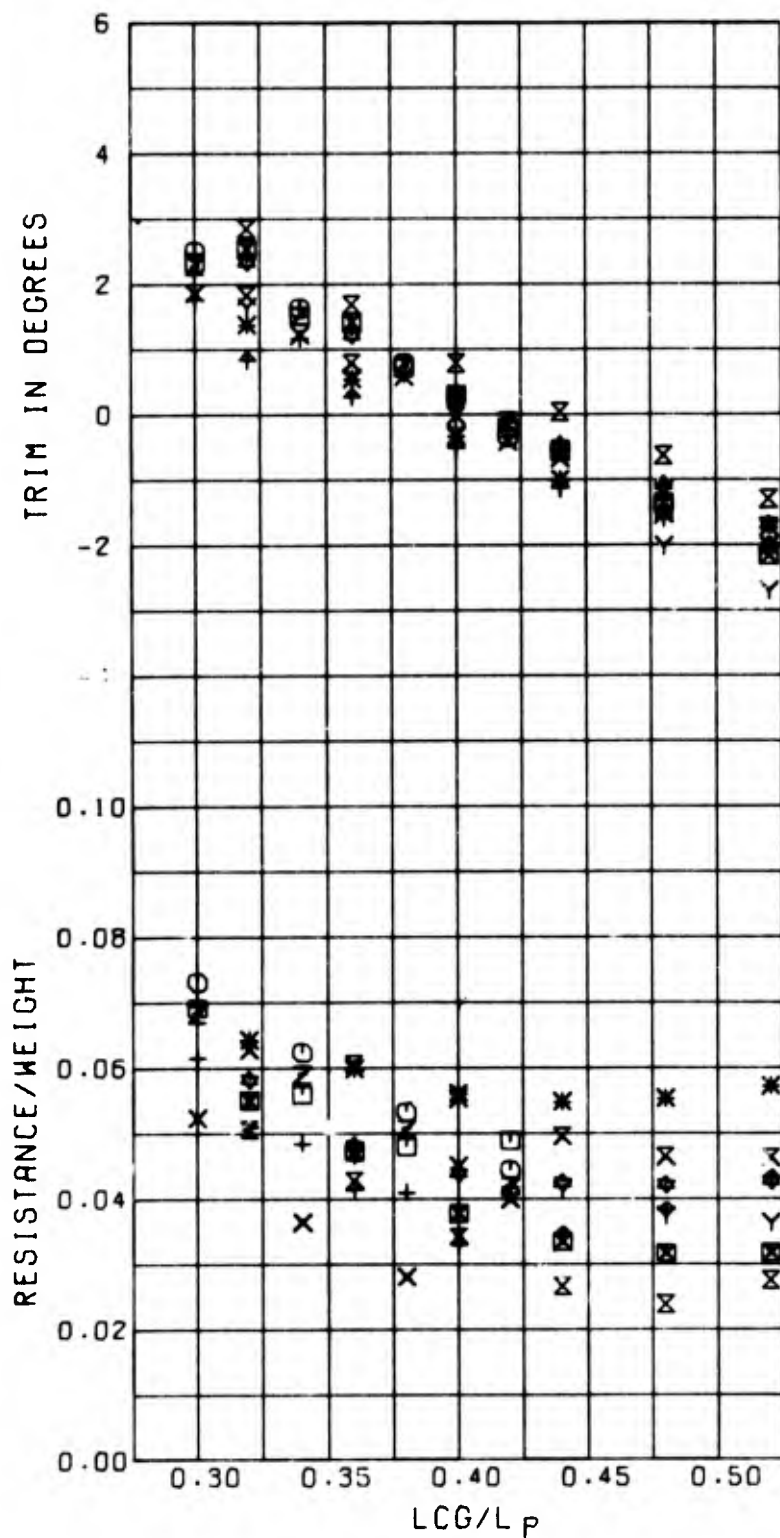
$$F_{NV} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
☆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

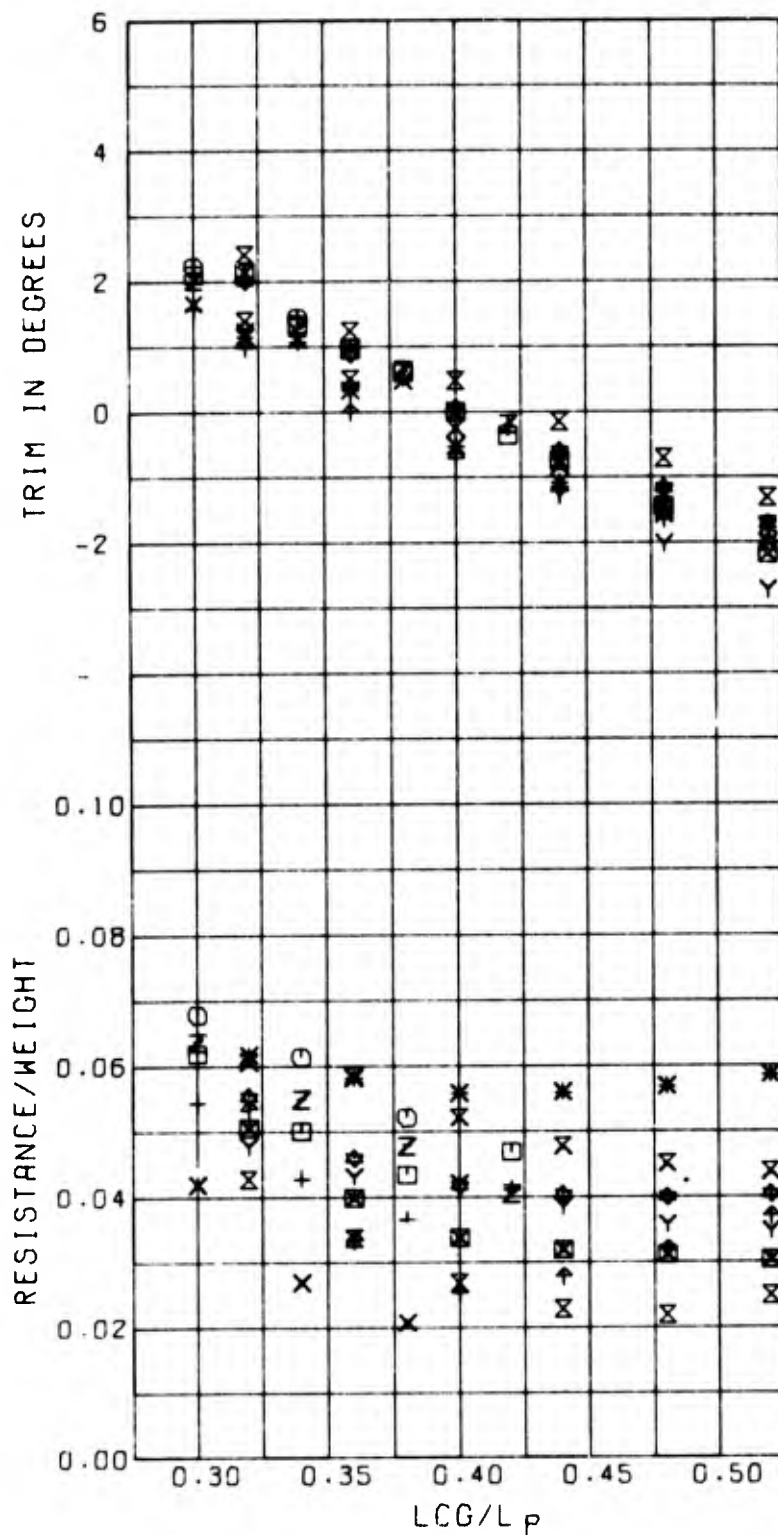
$$L_P/V^{1/3} = 9.5$$

$$F_{NV} = 1.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

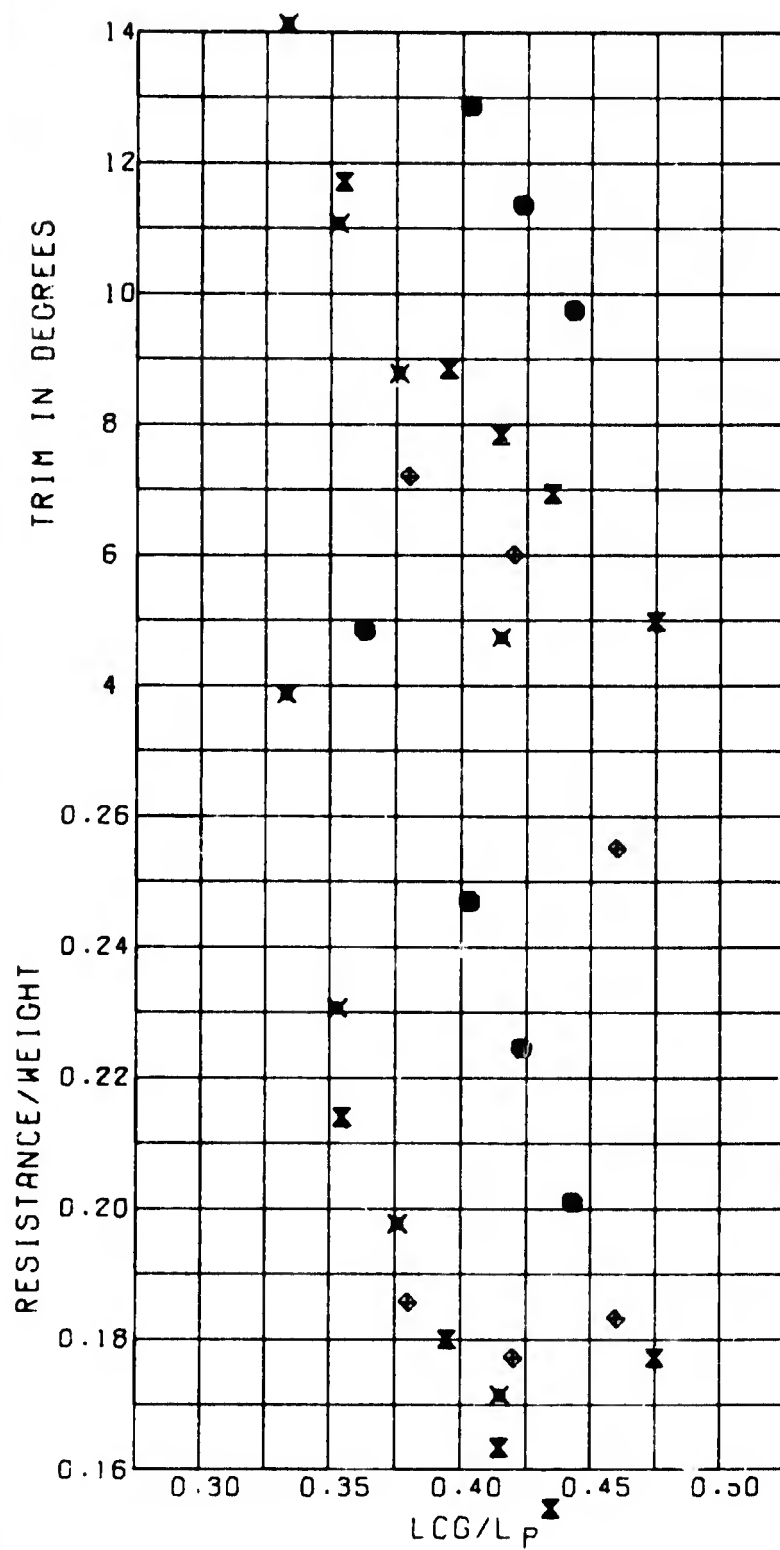
$$L_P/\nabla^{1/3} = 10.0 \quad F_{N\nabla} = 1.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
⊙	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.66	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

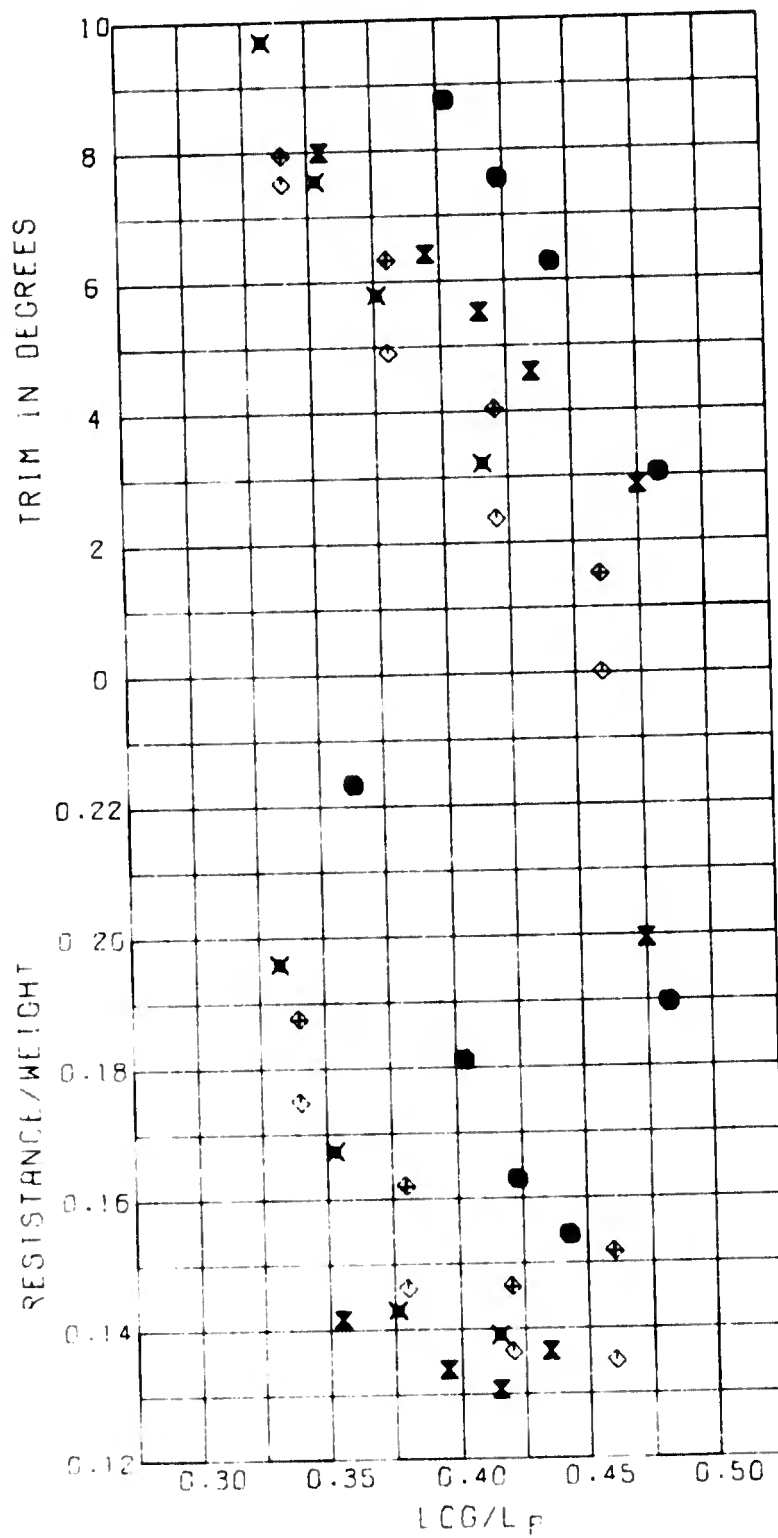
$$L_P/\nabla^{1/3} = 4.0$$

$$F_{N\nabla} = 1.75$$



$$L_P/\nabla^{1/3} = 4.5$$

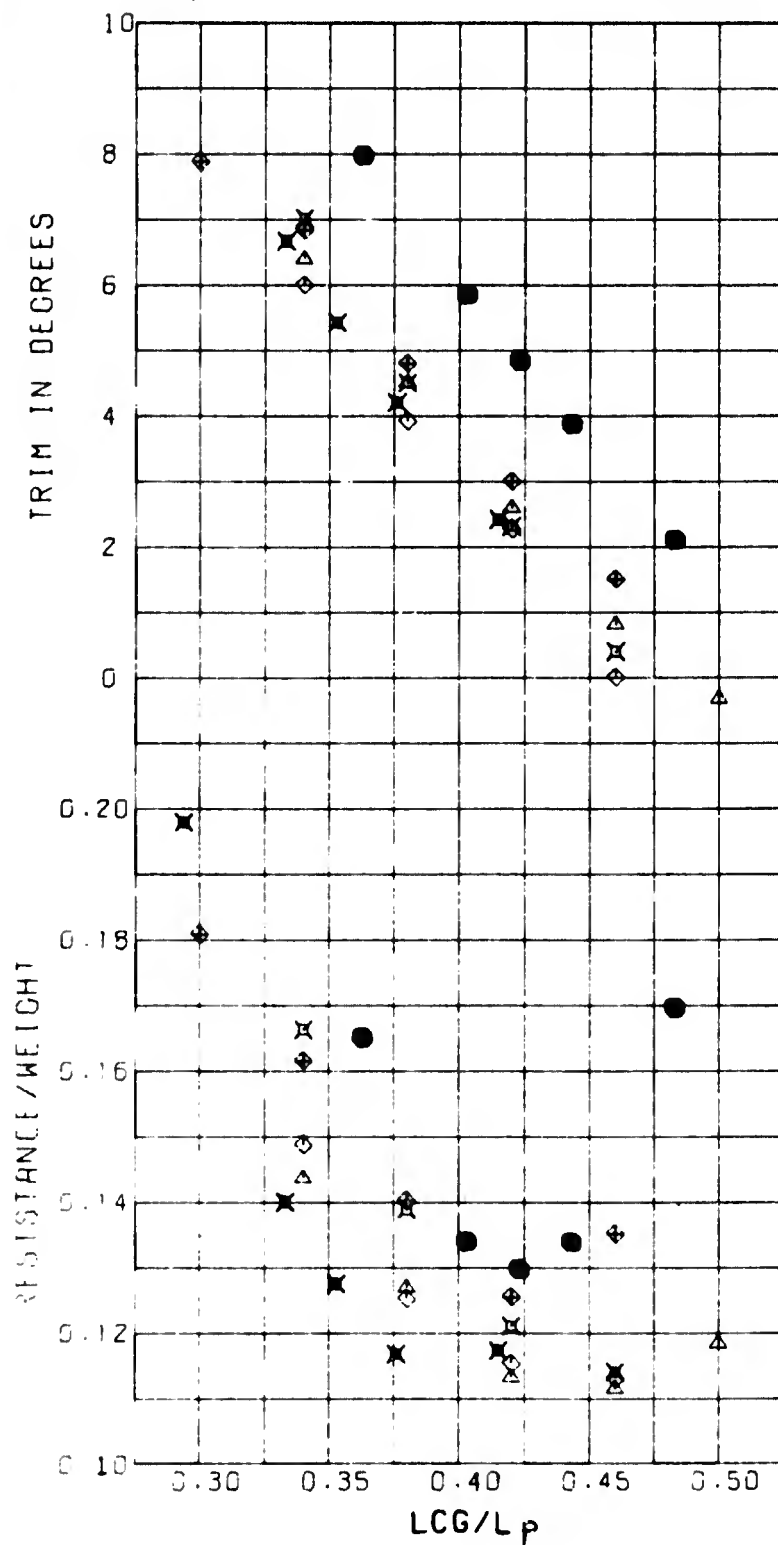
$$F_{N\nabla} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
◇	5186	3.32	22.5
✕	4665	2.00	12.5
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P / \nabla^{1/3} = 5.0$$

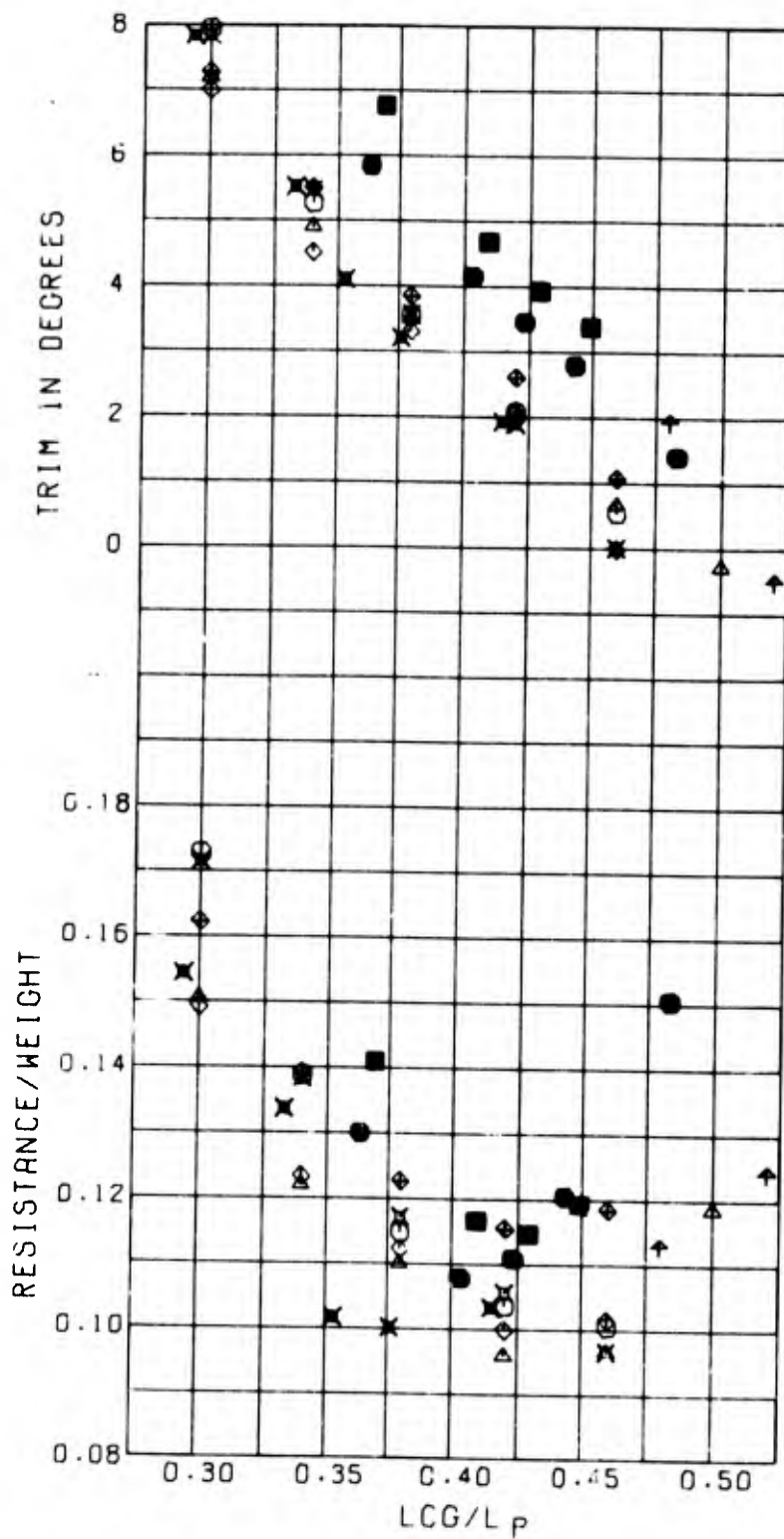
$$F_{NV} = 1.75$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
✕	5236	4.69	30.4
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 5.5$$

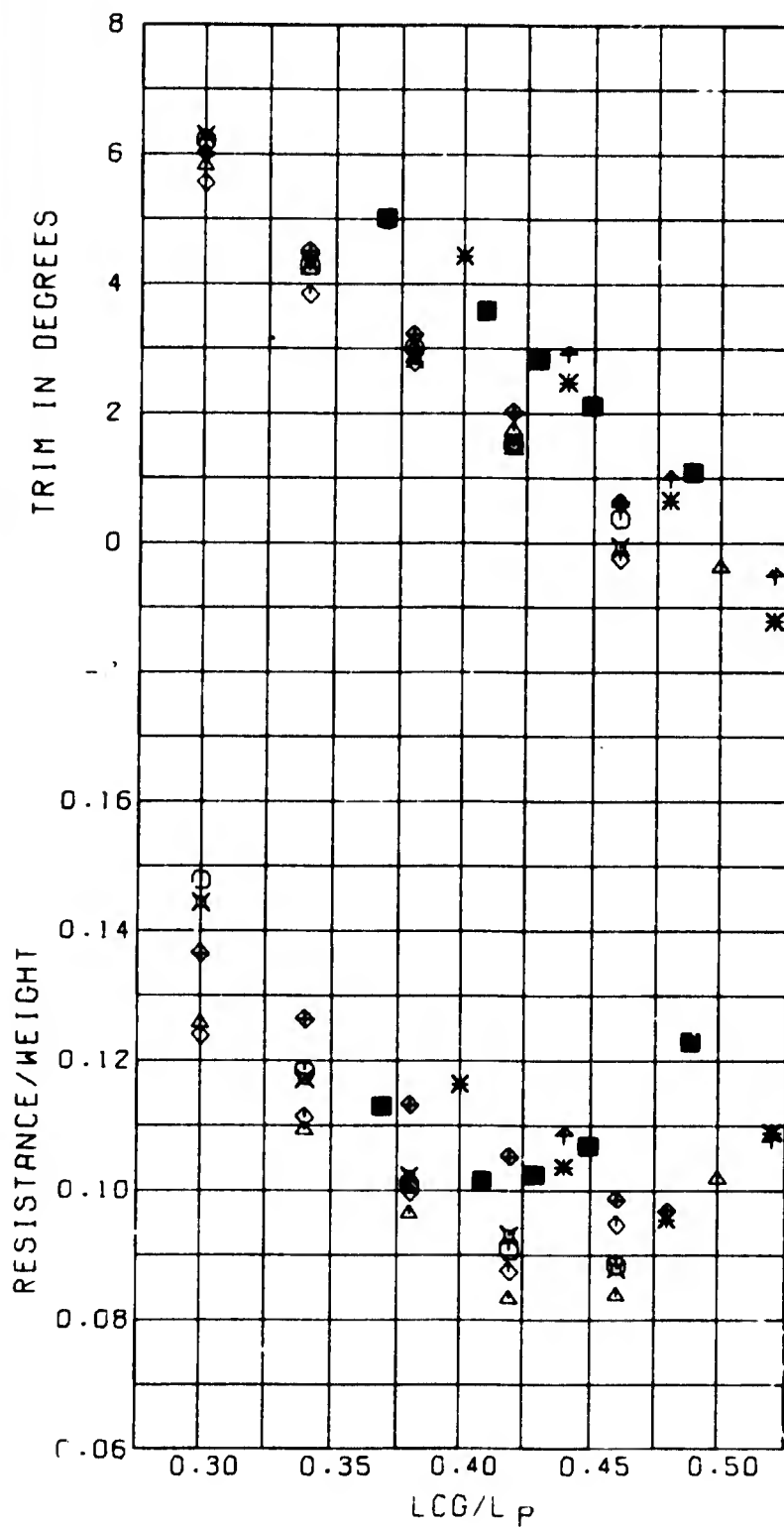
$$F_{N\nabla} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
■	4667-1	4.09	12.5
✕	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 6.0$$

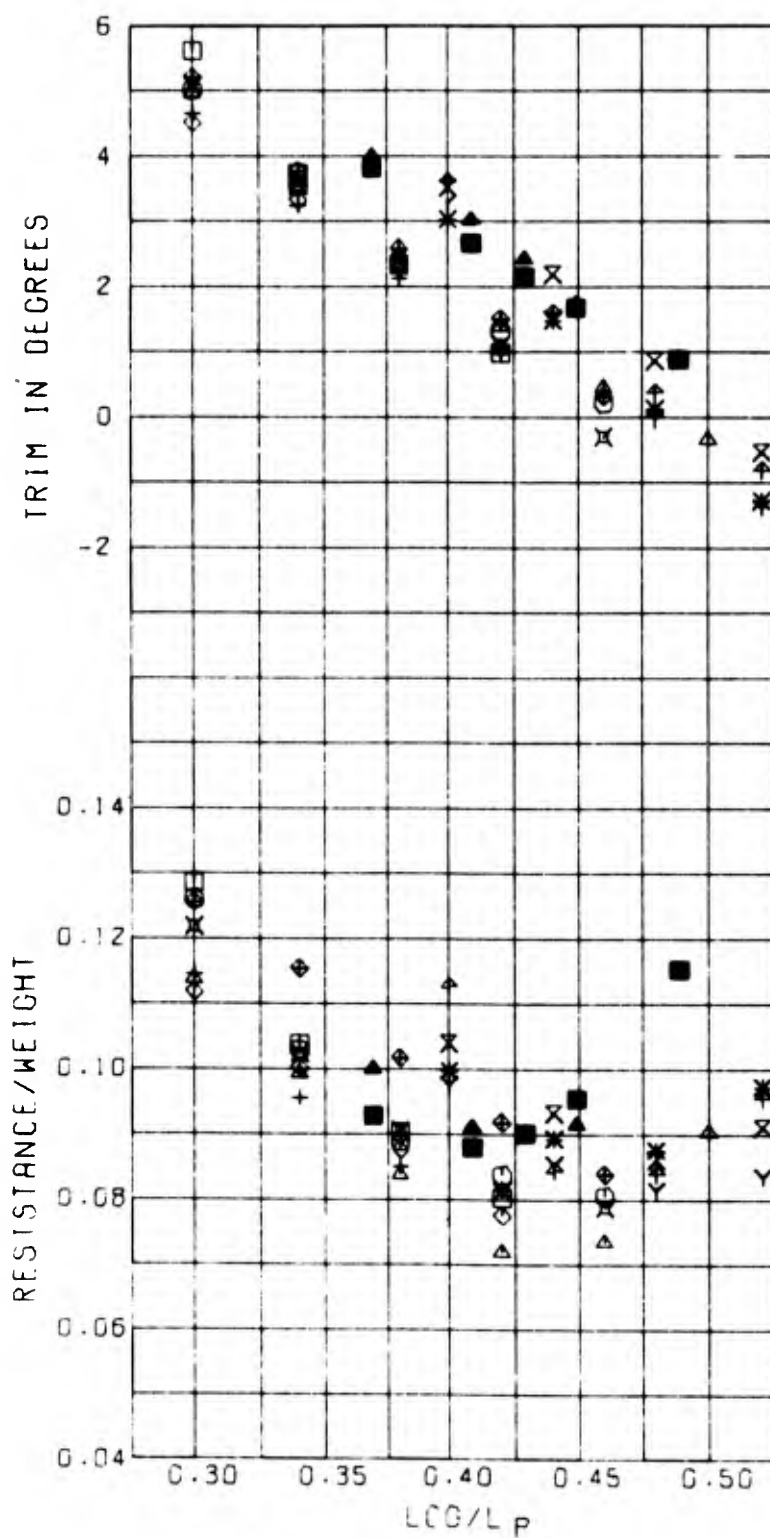
$$F_{NV} = 1.75$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
*	5198	4.66	20.5
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/V^{1/3} = 6.5$$

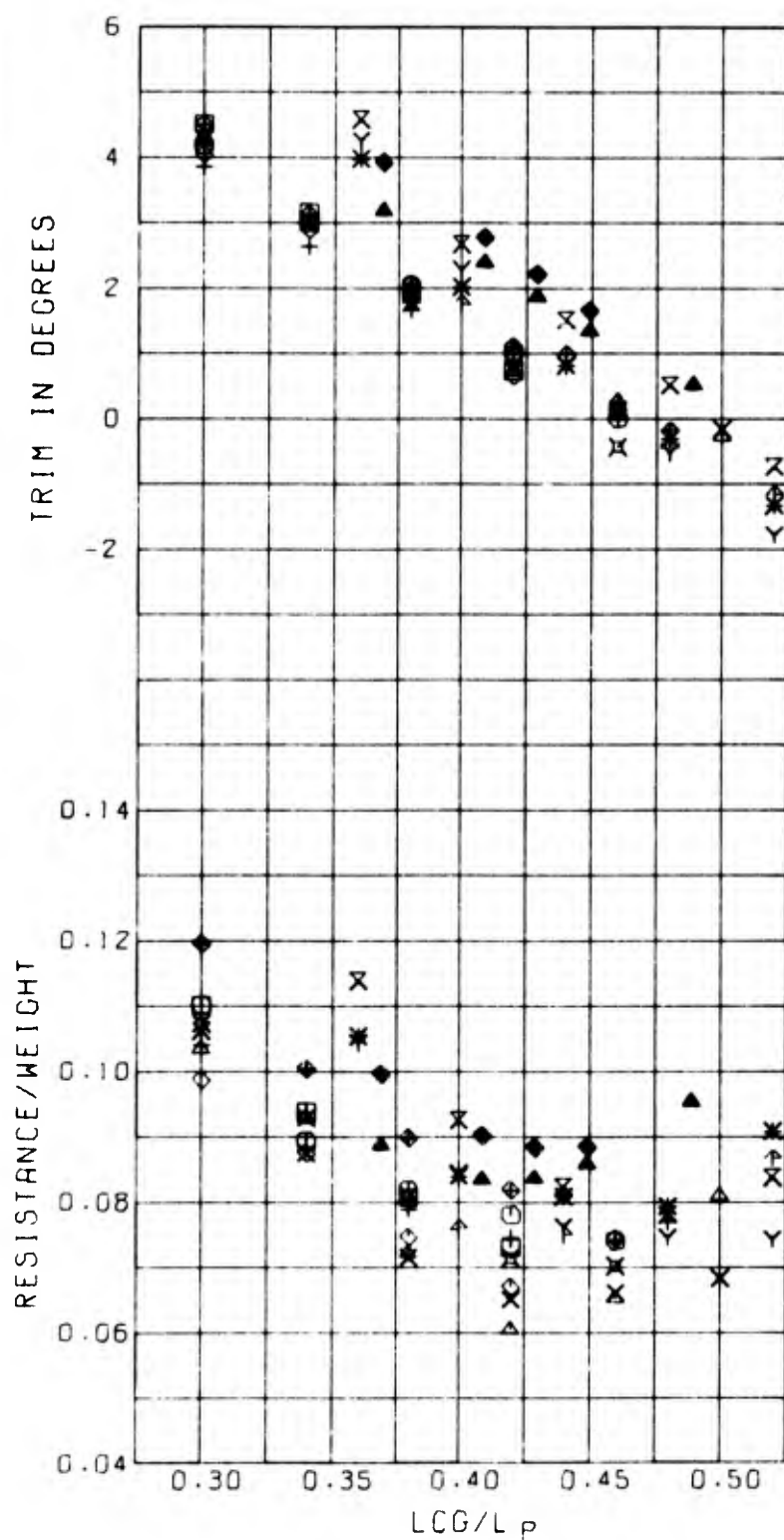
$$F_{NV} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
+	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◇	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
X	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/\nabla^{1/3} = 7.0$$

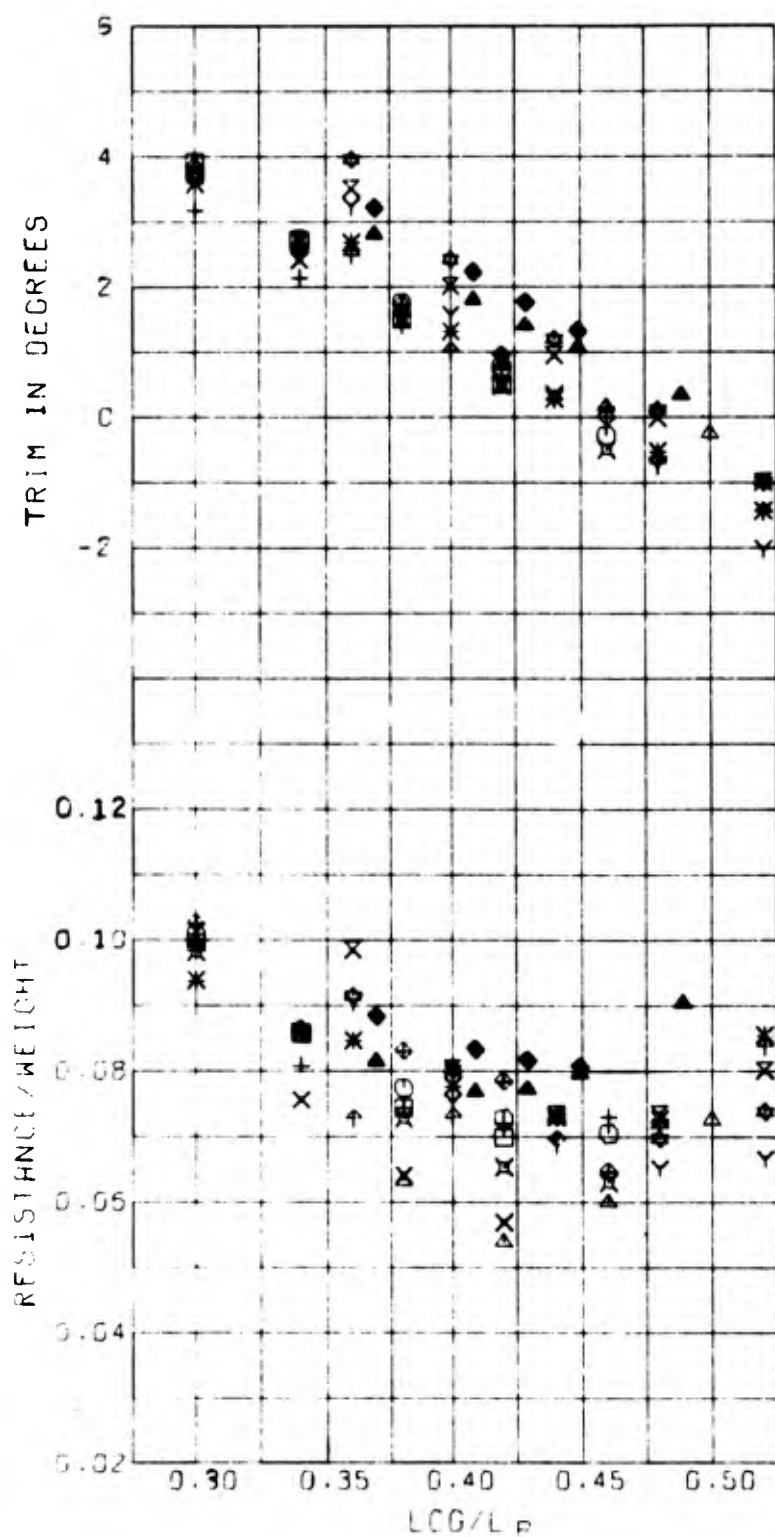
$$F_{NV} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
∧	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
⊠	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 7.5$$

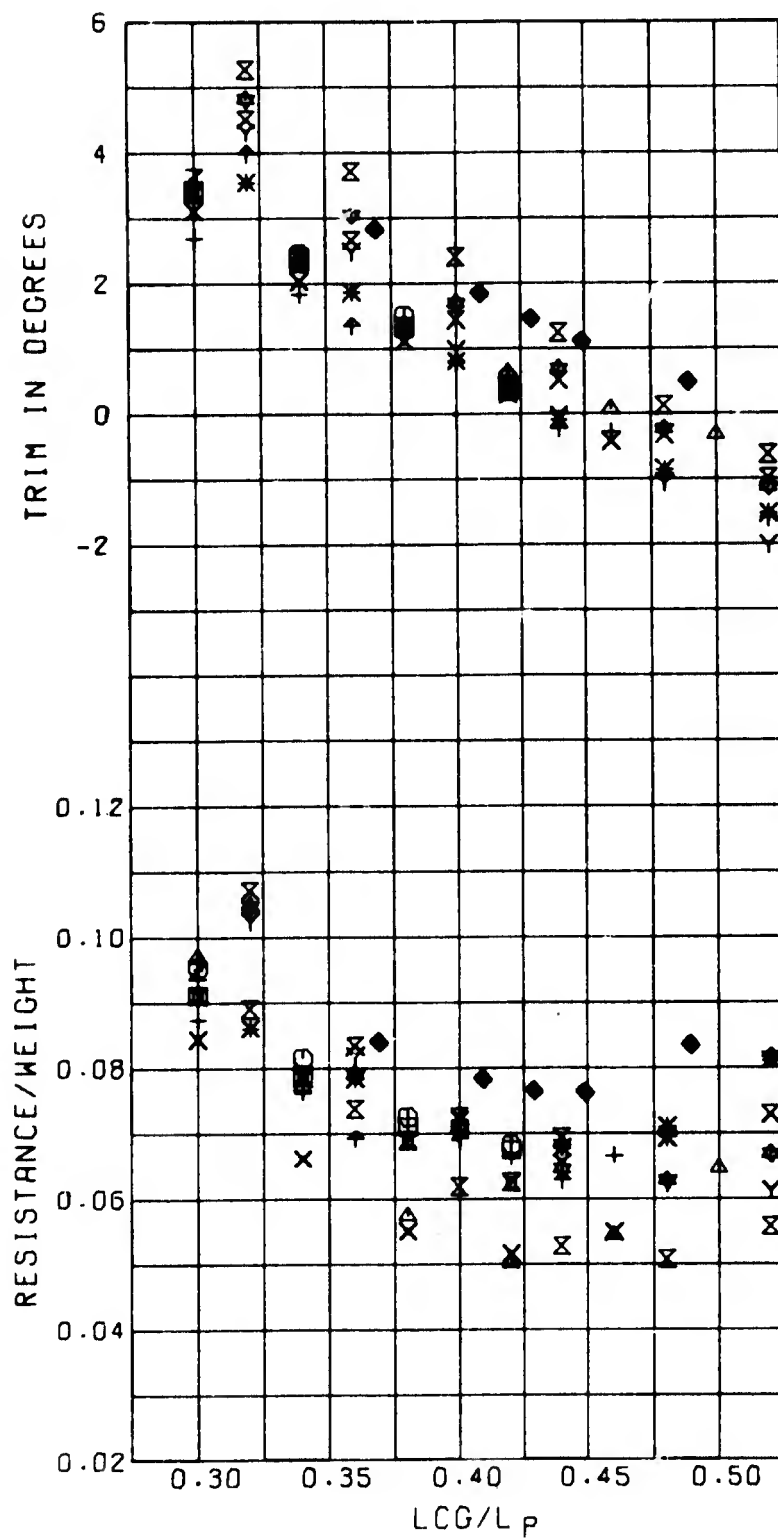
$$F_{NV} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
*	5251	3.30	14.8
x	5249	4.66	14.8
*	5198	4.66	20.5
*	4966-1	6.60	20.5
Y	5250	6.60	27.7
*	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
x	5167	6.64	22.5
x	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.0$$

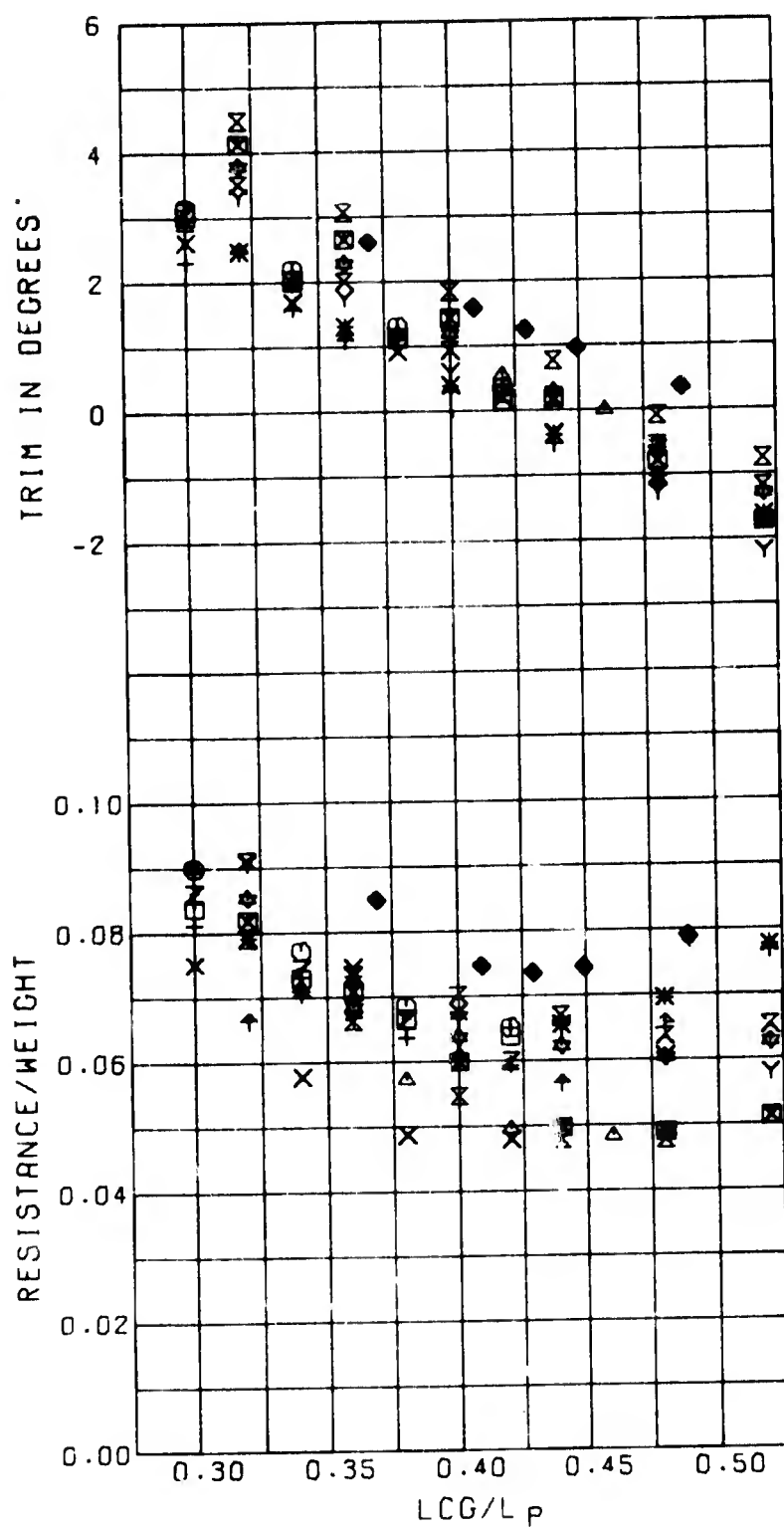
$$F_{N\nabla} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
☆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.5$$

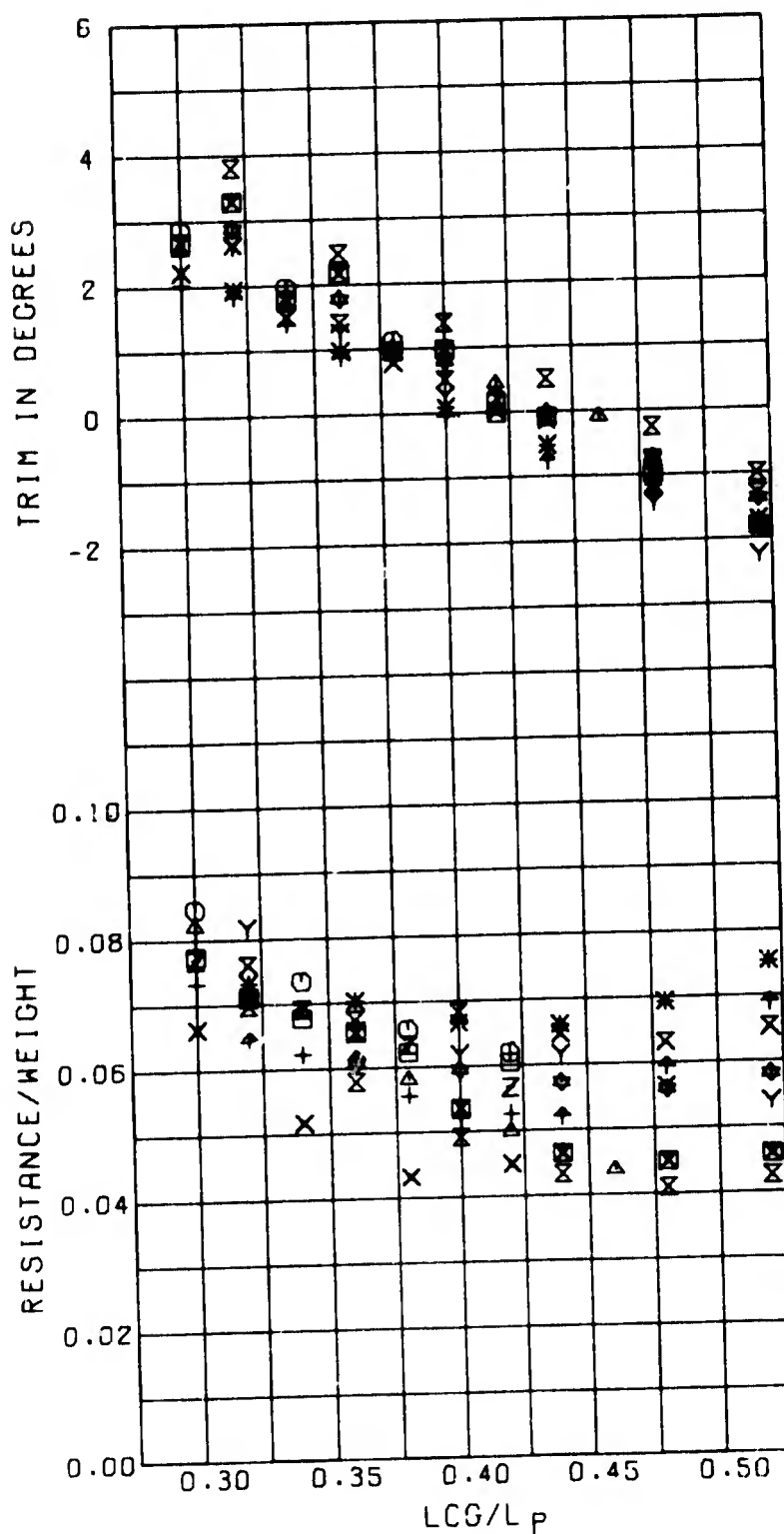
$$F_{N\nabla} = 1.75$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
☆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 9.0$$

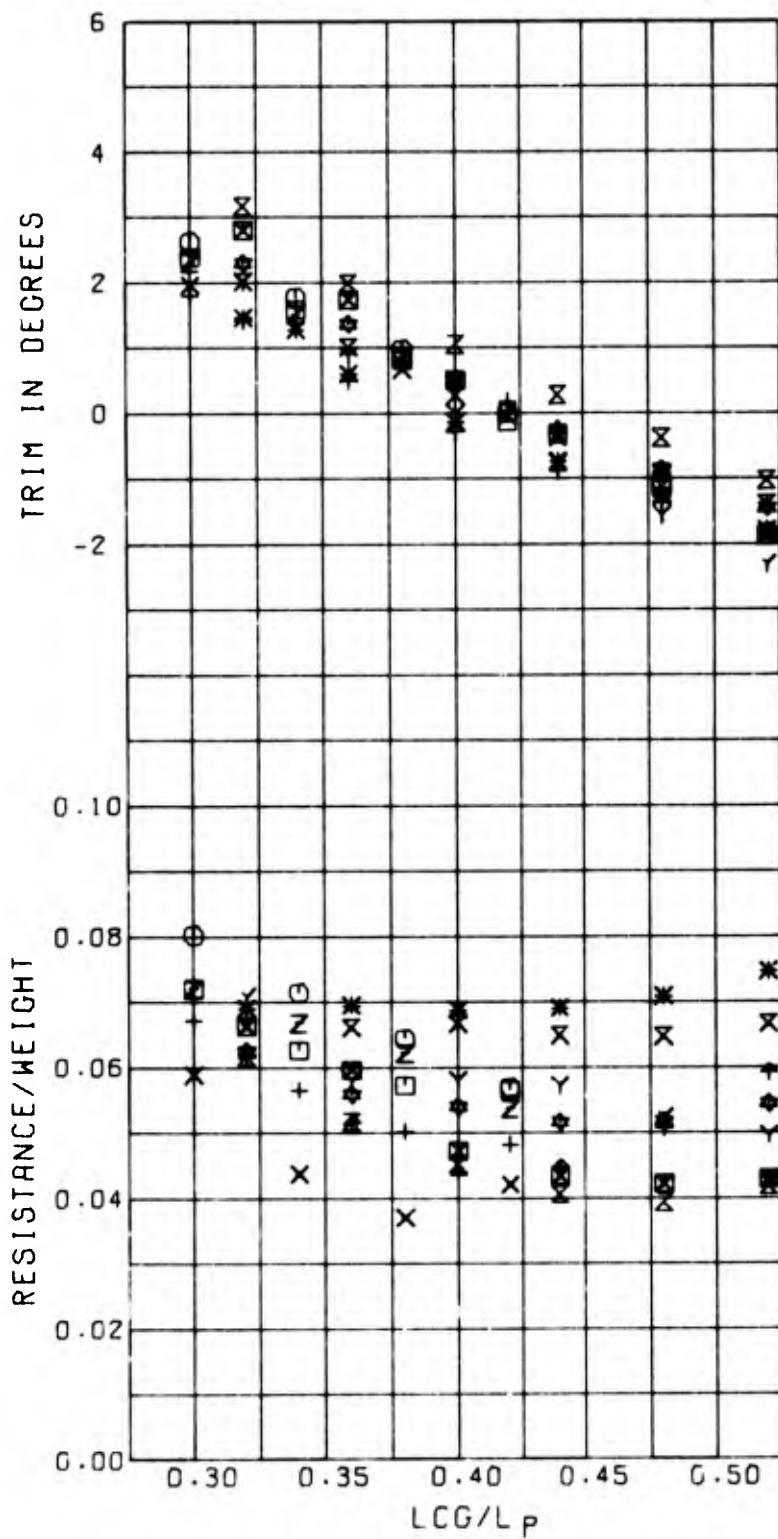
$$F_{N\nabla} = 1.75$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

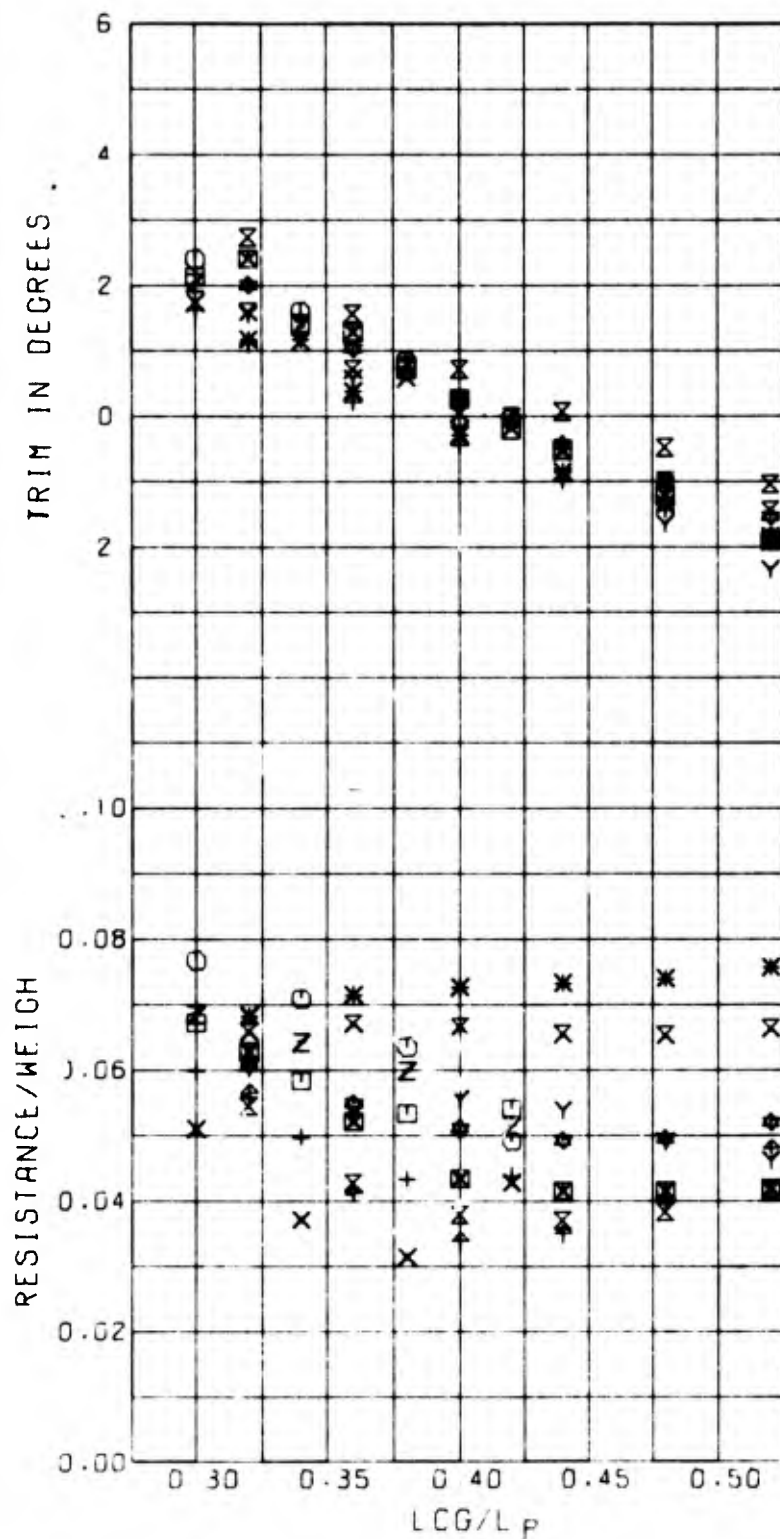
$$L_P/\nabla^{1/3} = 9.5$$

$$F_{NV} = 1.75$$



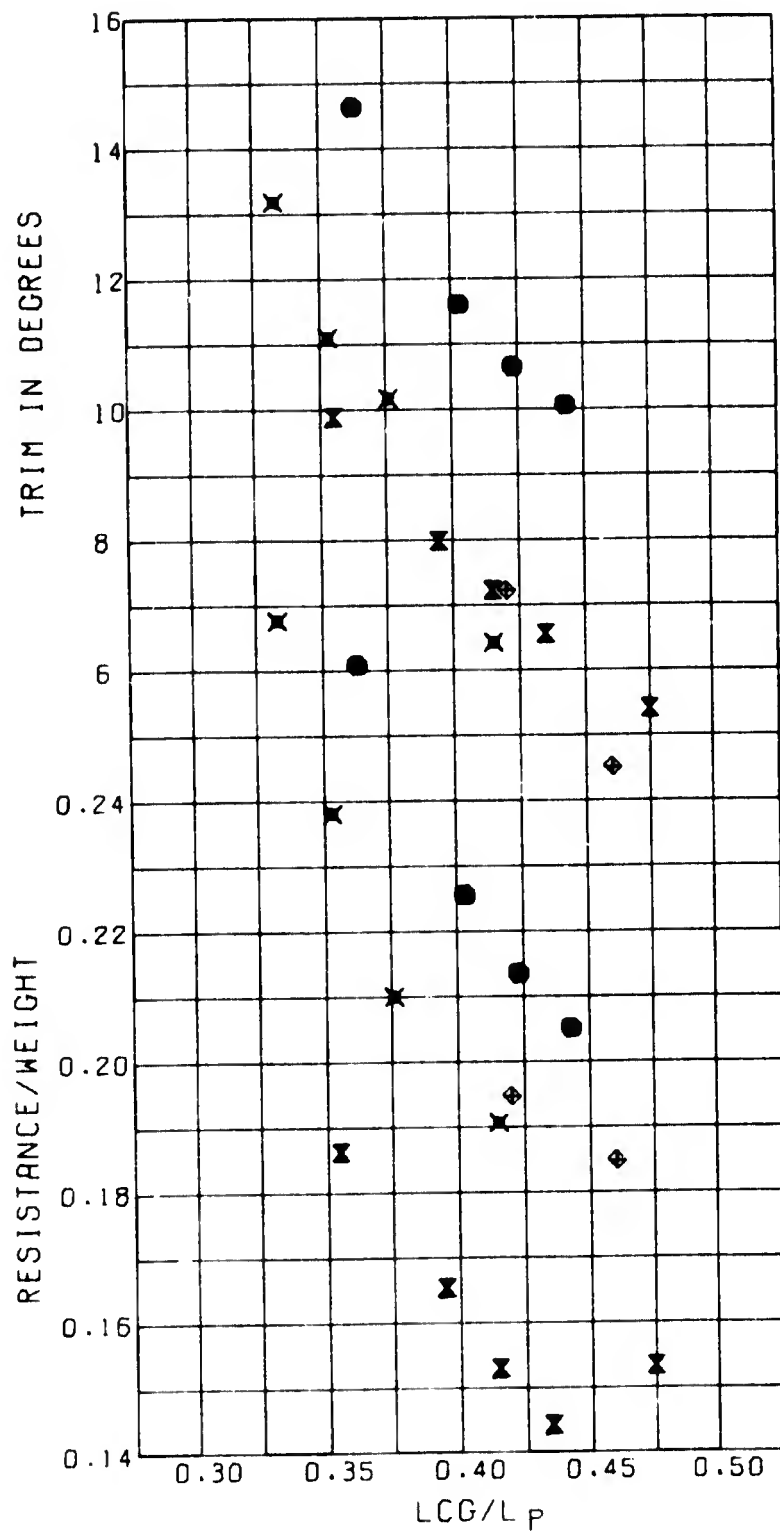
SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
☆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 10.0 \quad F_{NV} = 1.75$$



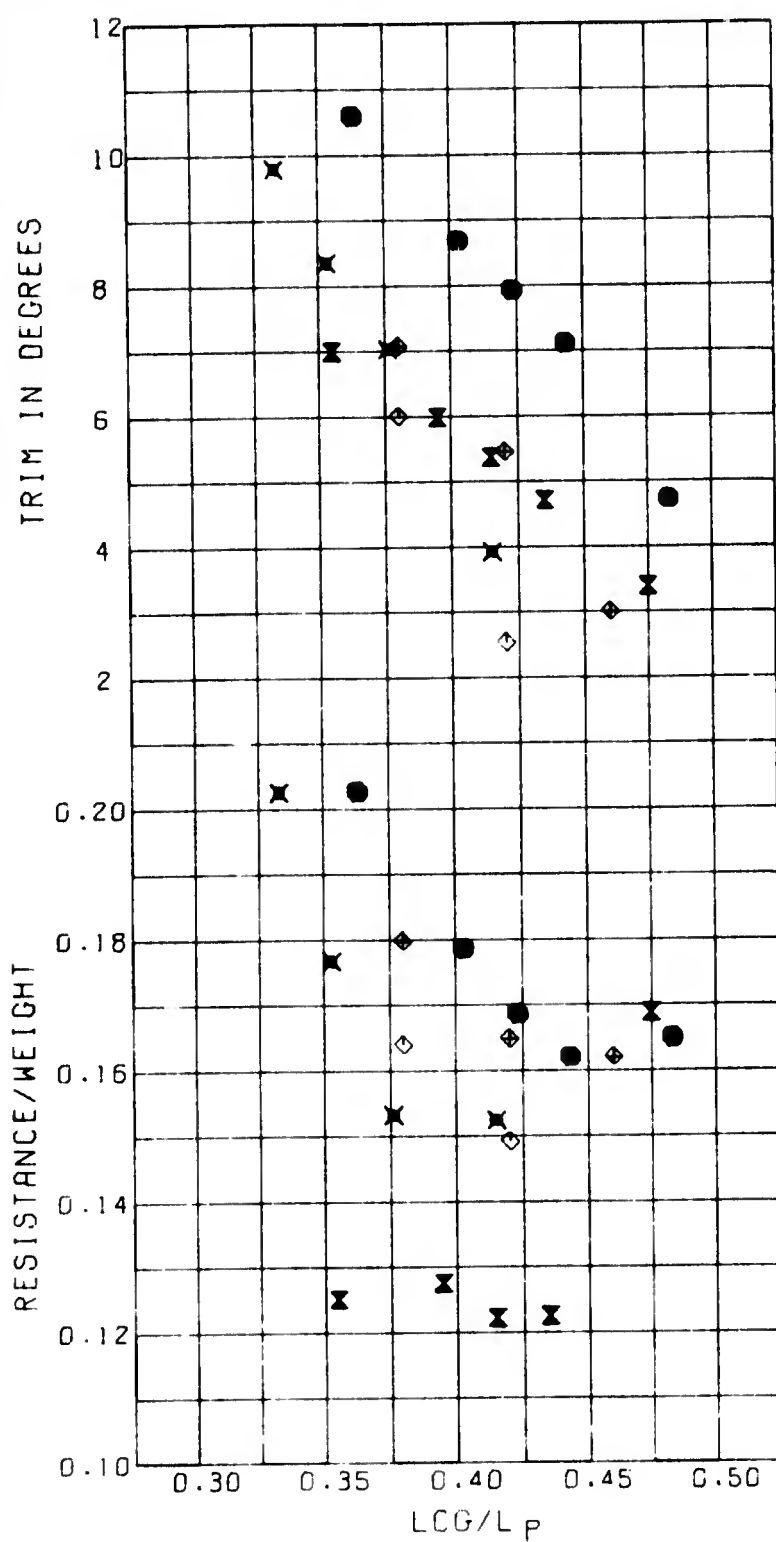
SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/\nabla^{1/3} = 4.0 \quad F_{N\nabla} = 2.00$$



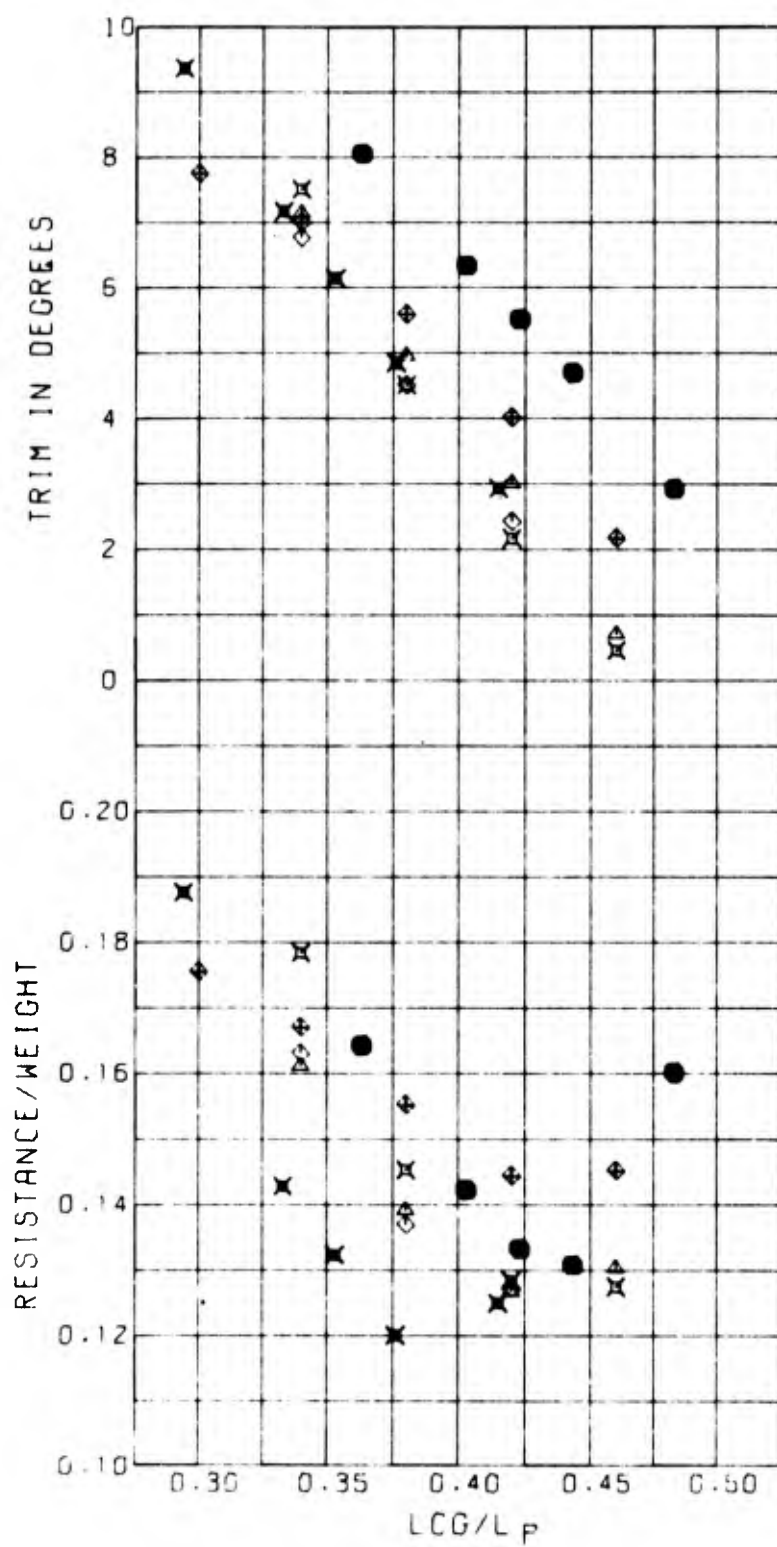
$$L_P / \nabla^{1/3} = 4.5$$

$$F_{N \nabla} = 2.00$$



$$L_P/\nabla^{1/3} = 5.0$$

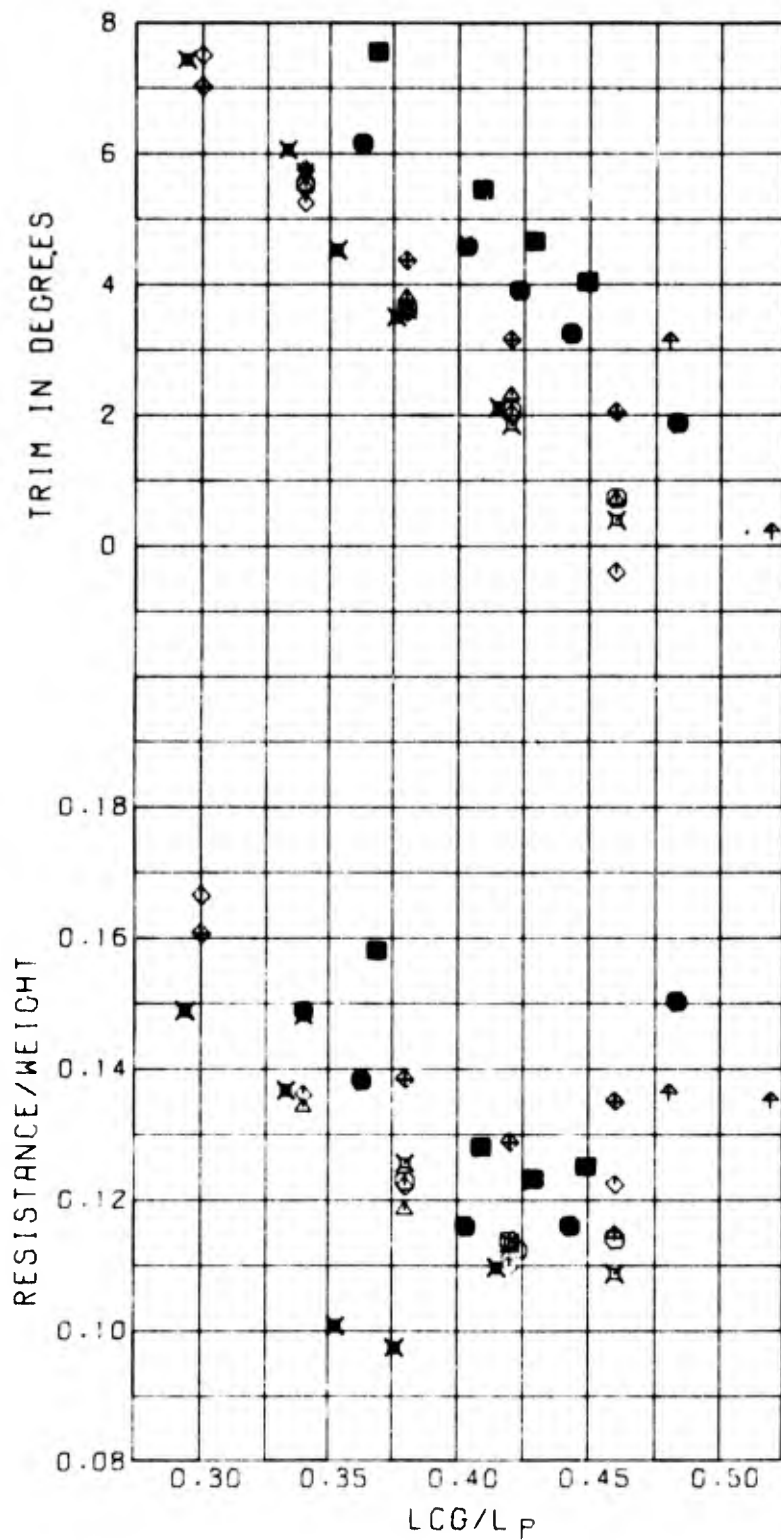
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
✕	5236	4.69	30.4
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P / \nabla^{1/3} = 5.5$$

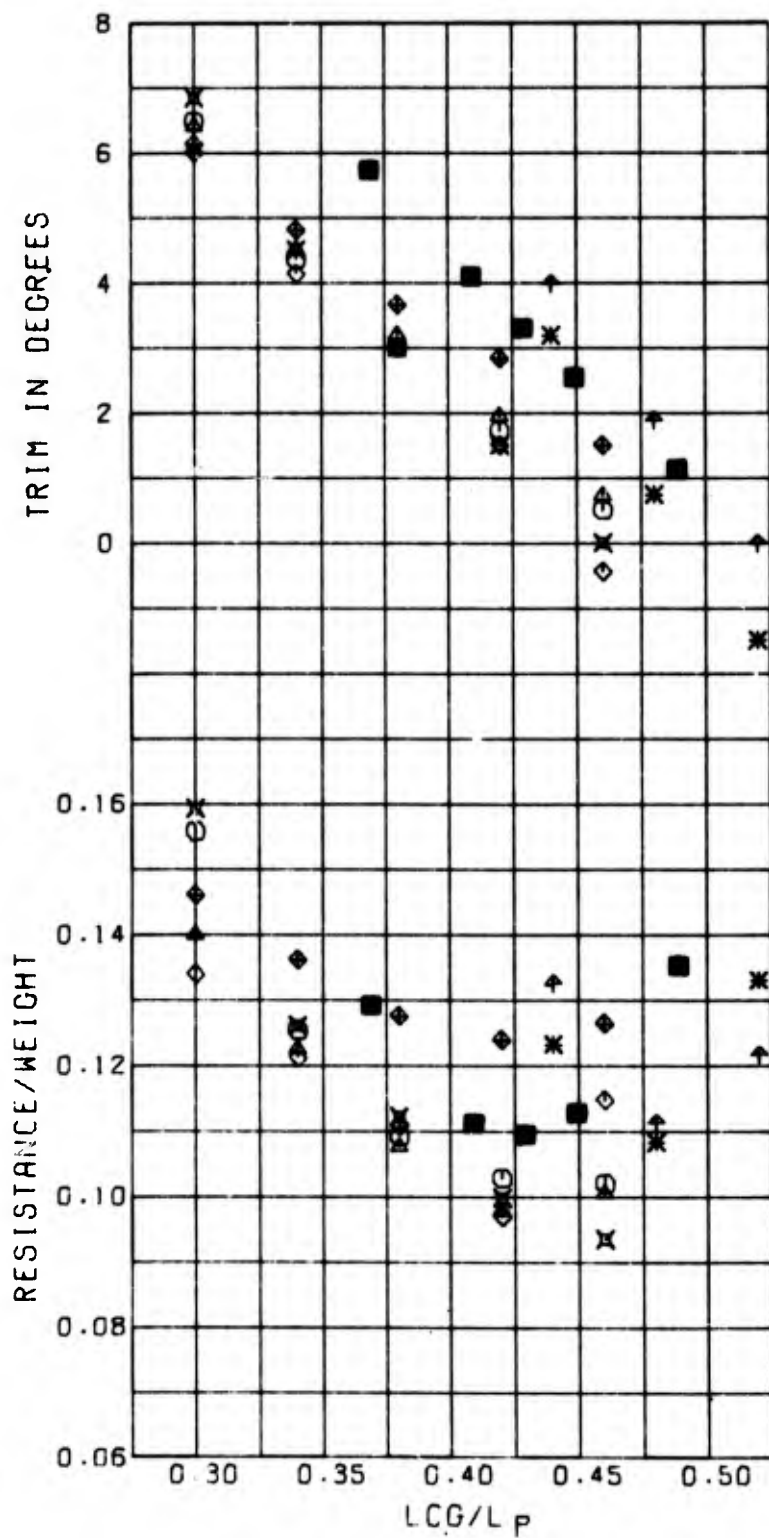
$$F_{N \nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
◊	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
✕	5236	4.69	30.4
●	4666	3.06	12.5
■	4667-1	4.09	12.5
✕	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 6.0$$

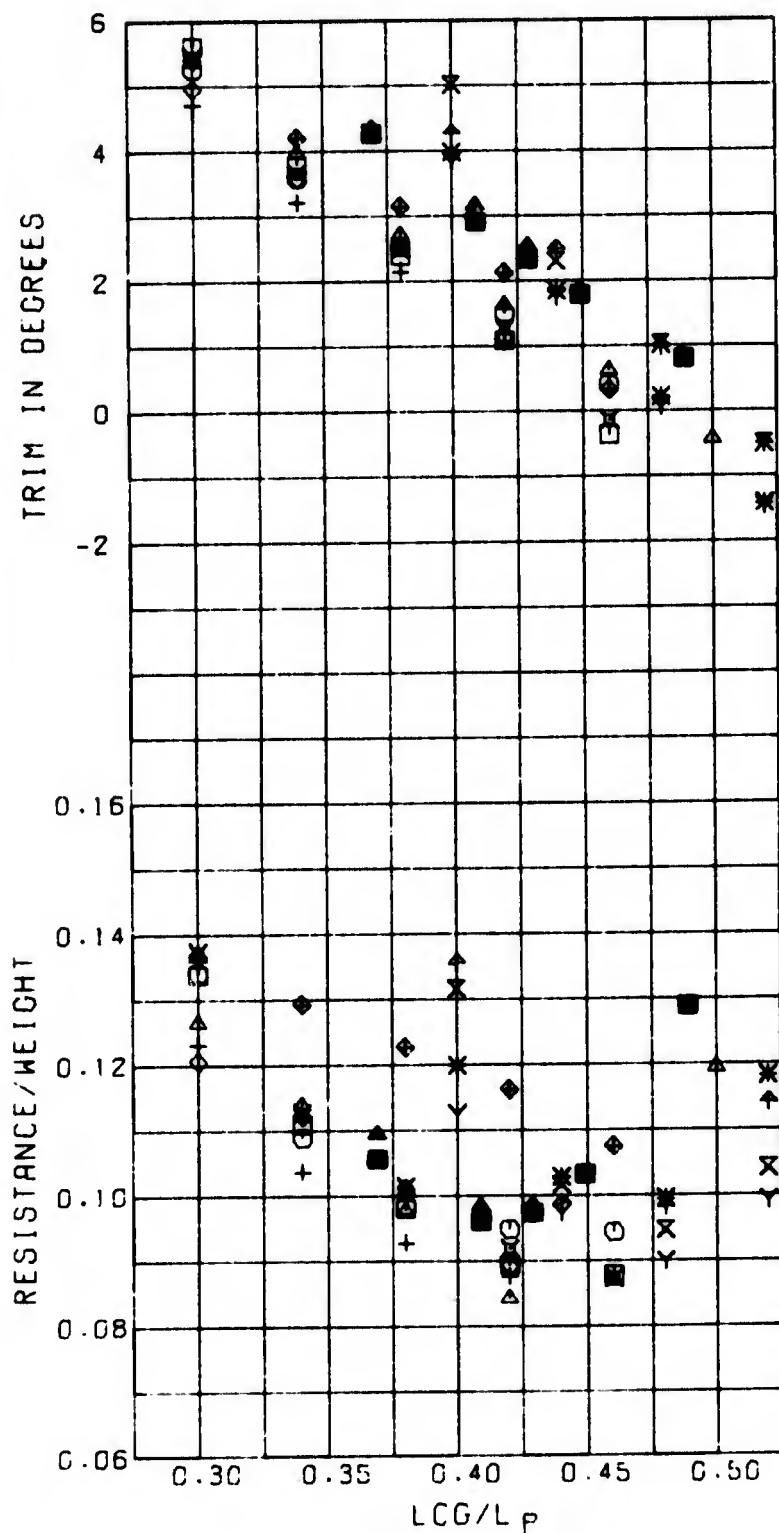
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/\nabla^{1/3} = 6.5$$

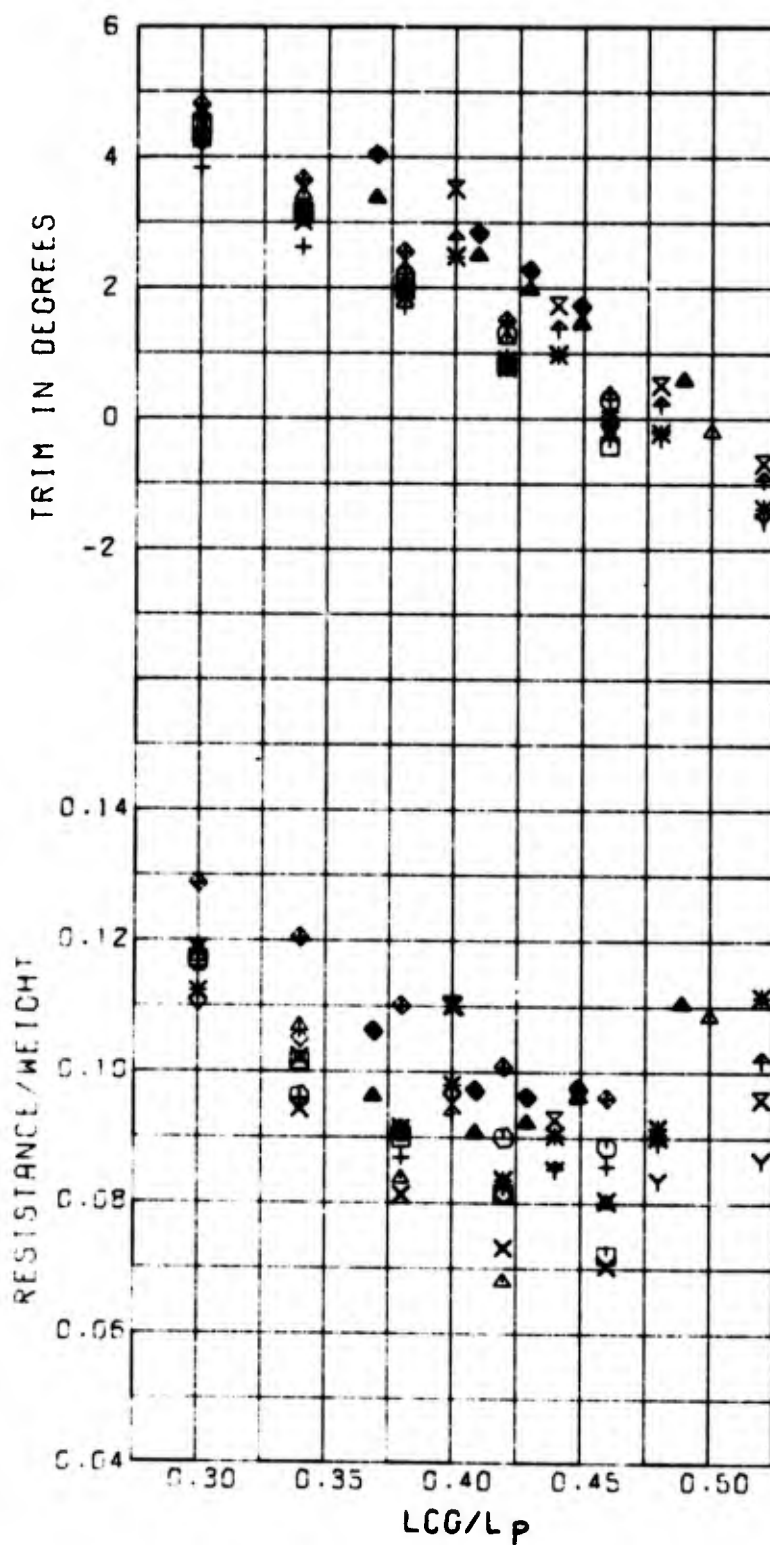
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	3.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-	4.09	12.5
▲	4668	5.50	12.5

$$L_P/\nabla^{1/3} = 7.0$$

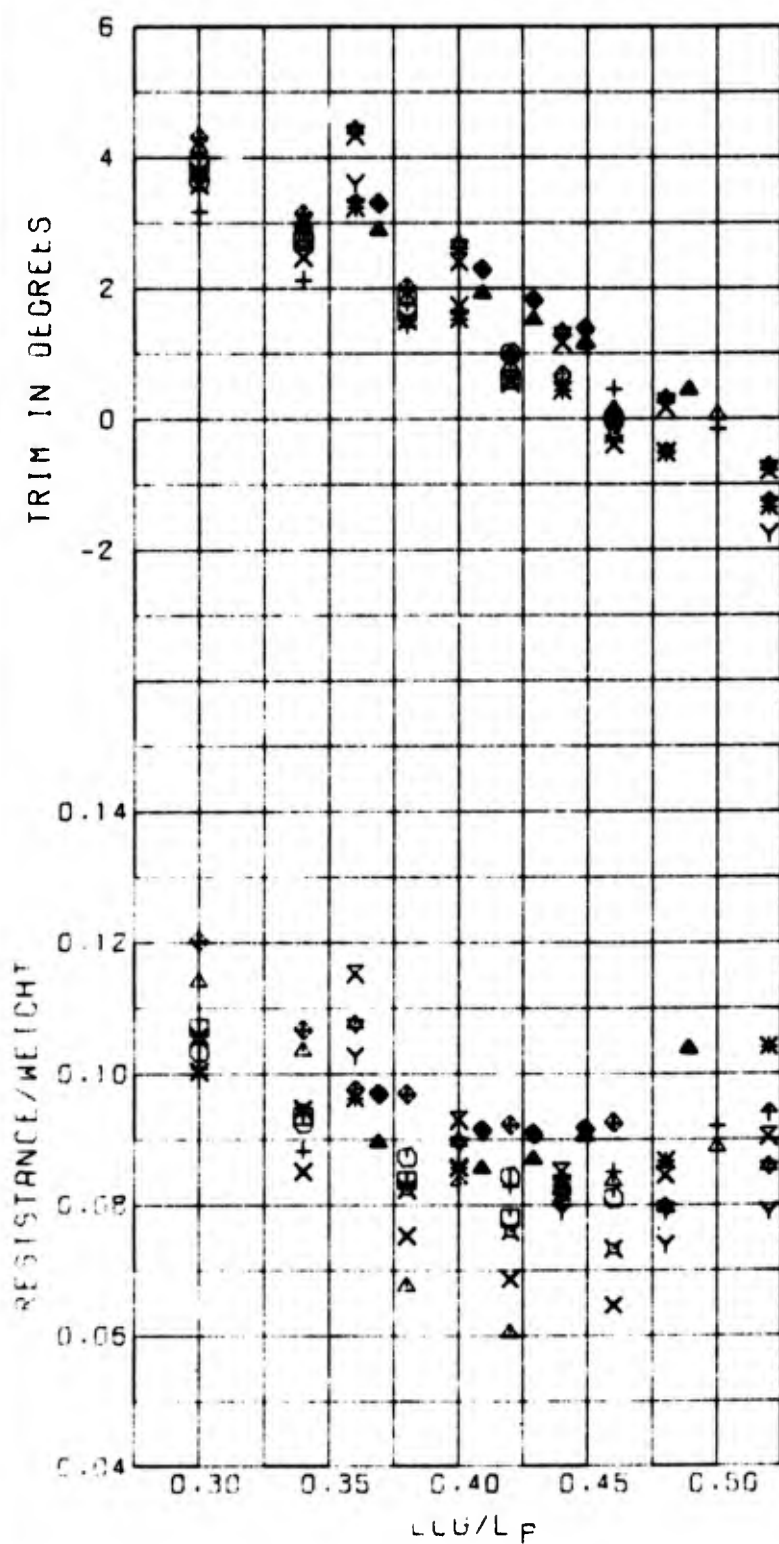
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
▲	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
⊙	5184	4.69	22.5
X	5167	6.64	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 7.5$$

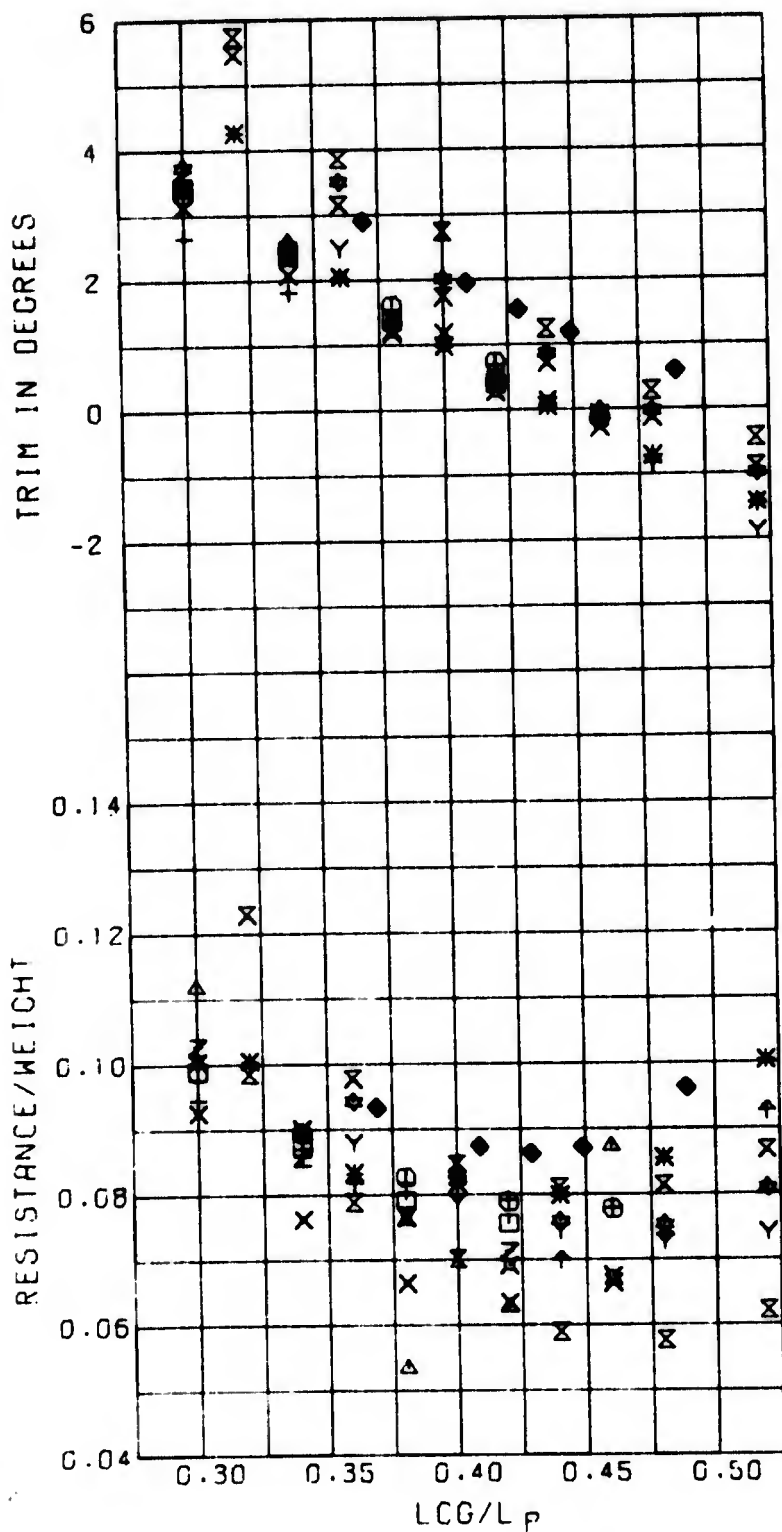
$$F_{NV} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊕	4966-1	6.60	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.0$$

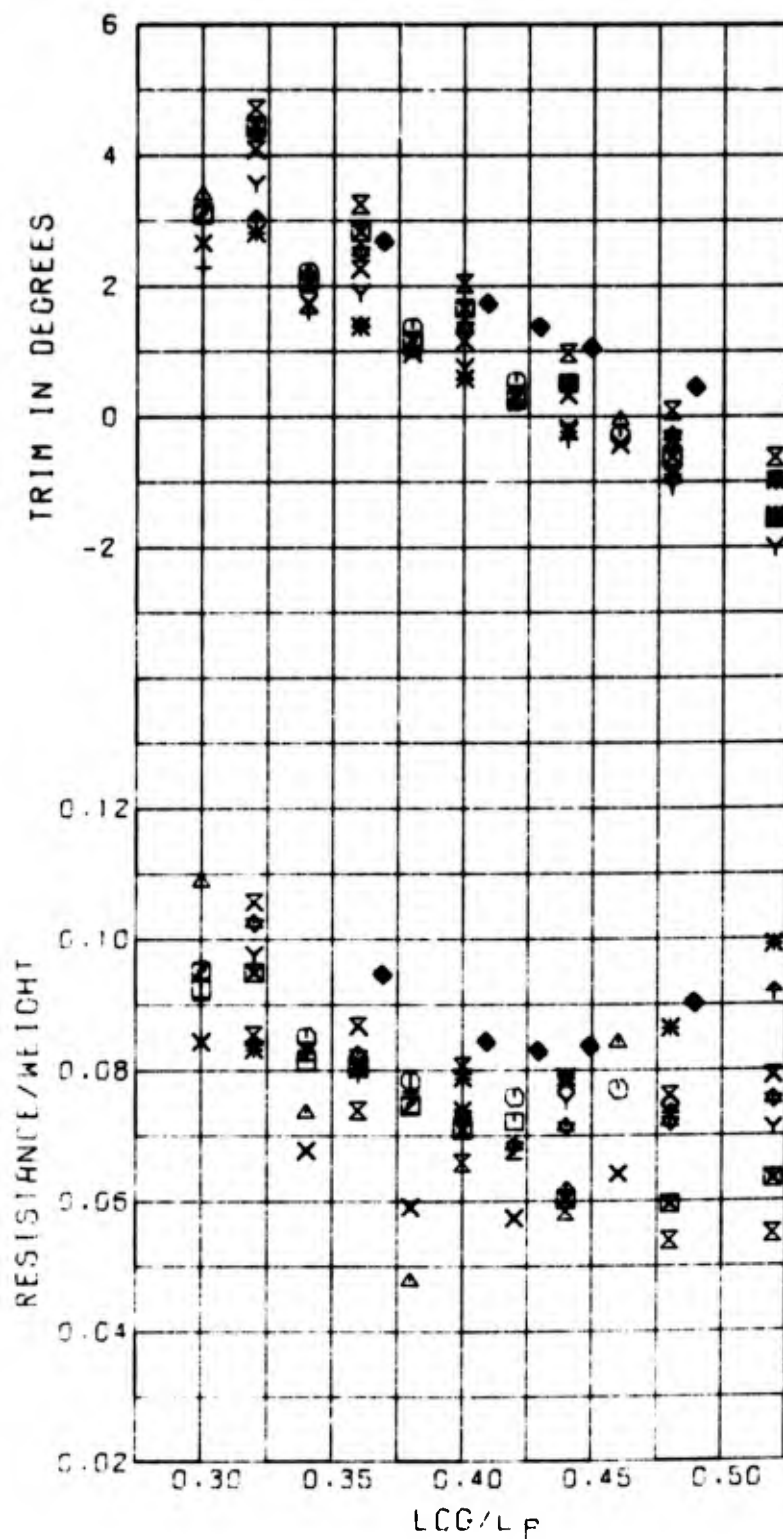
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊛	4966-1	0.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
⊠	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.5$$

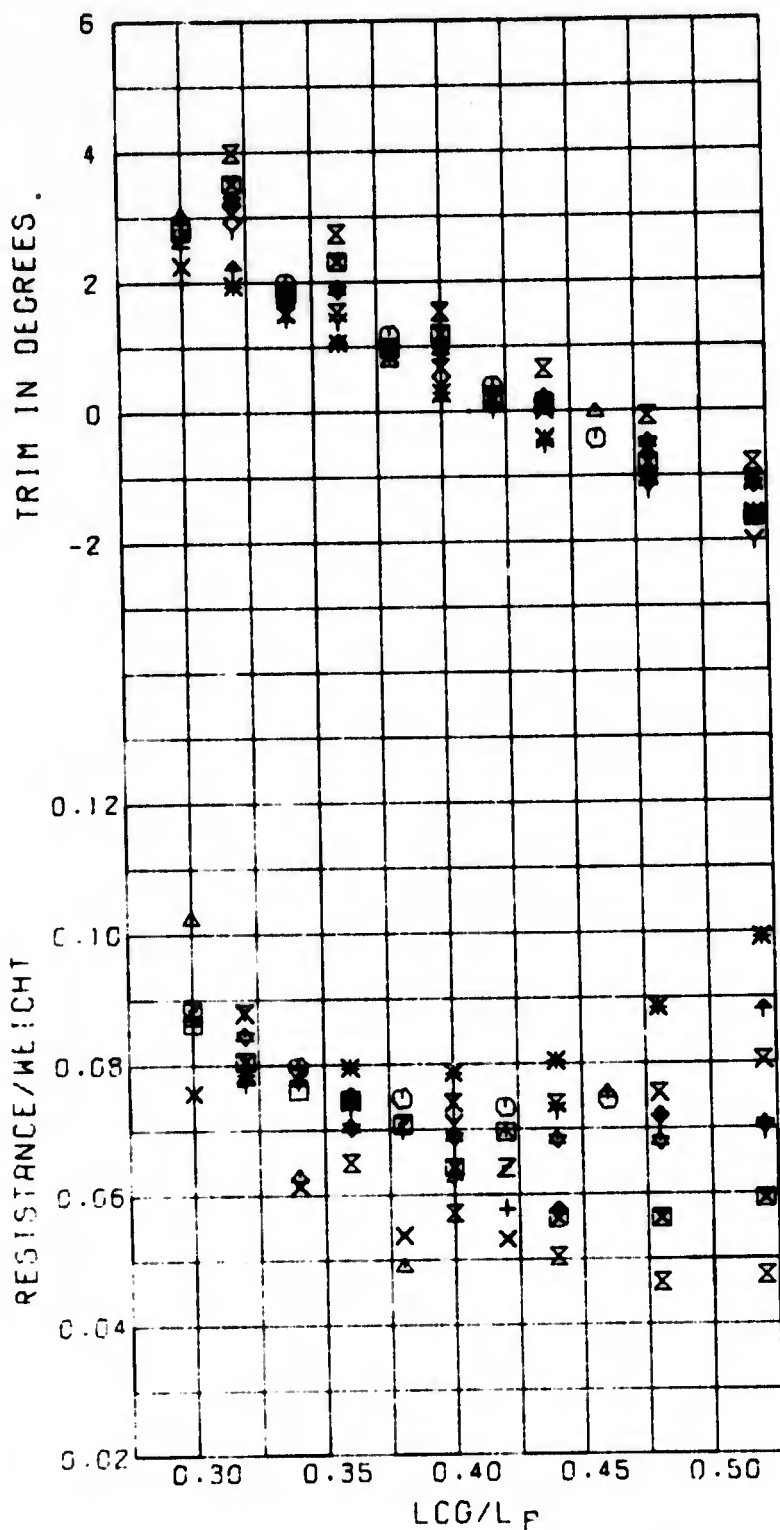
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.09	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 9.0$$

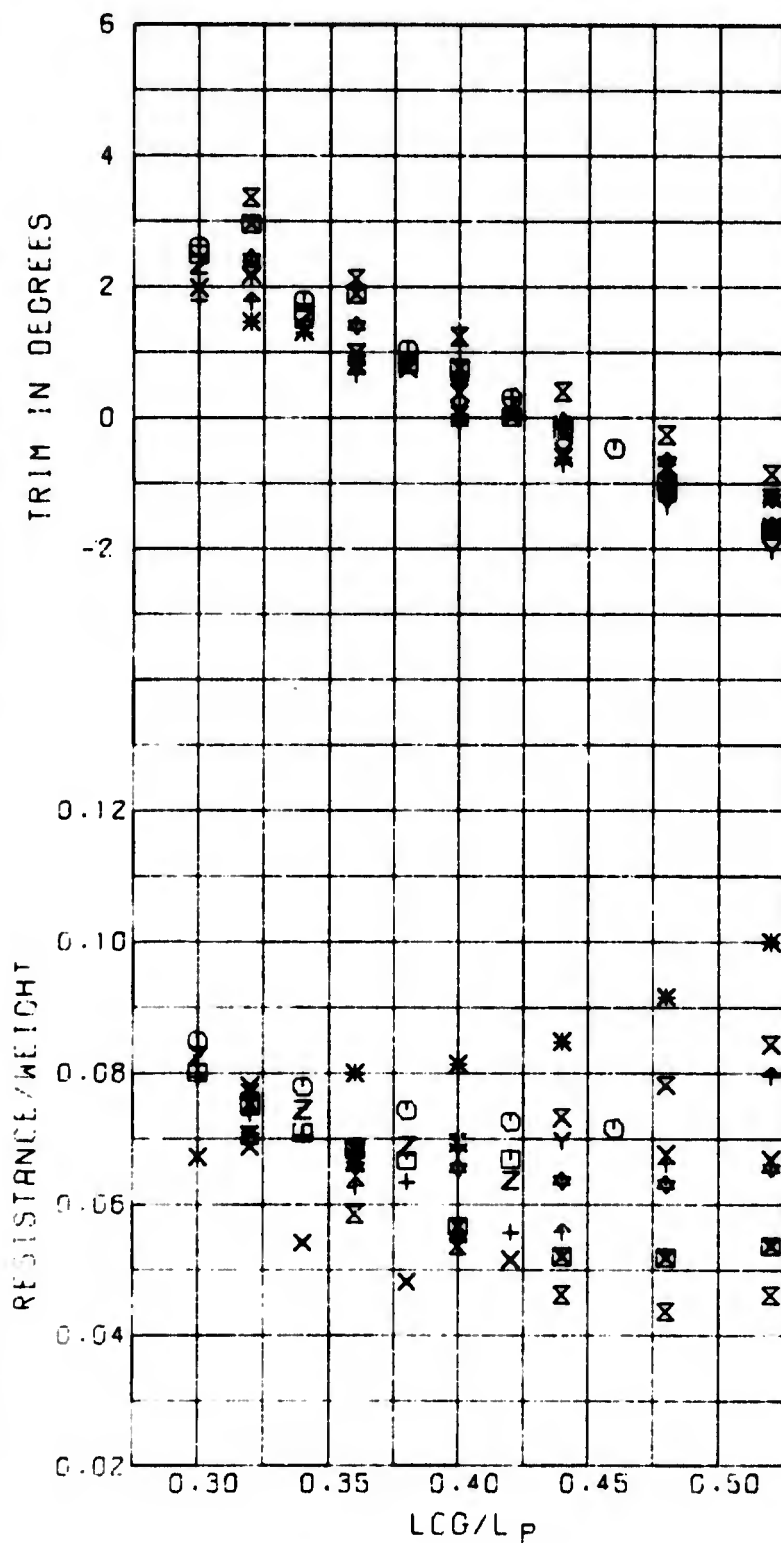
$$F_{NV} = 2.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
■	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P / \nabla^{1/3} = 9.5$$

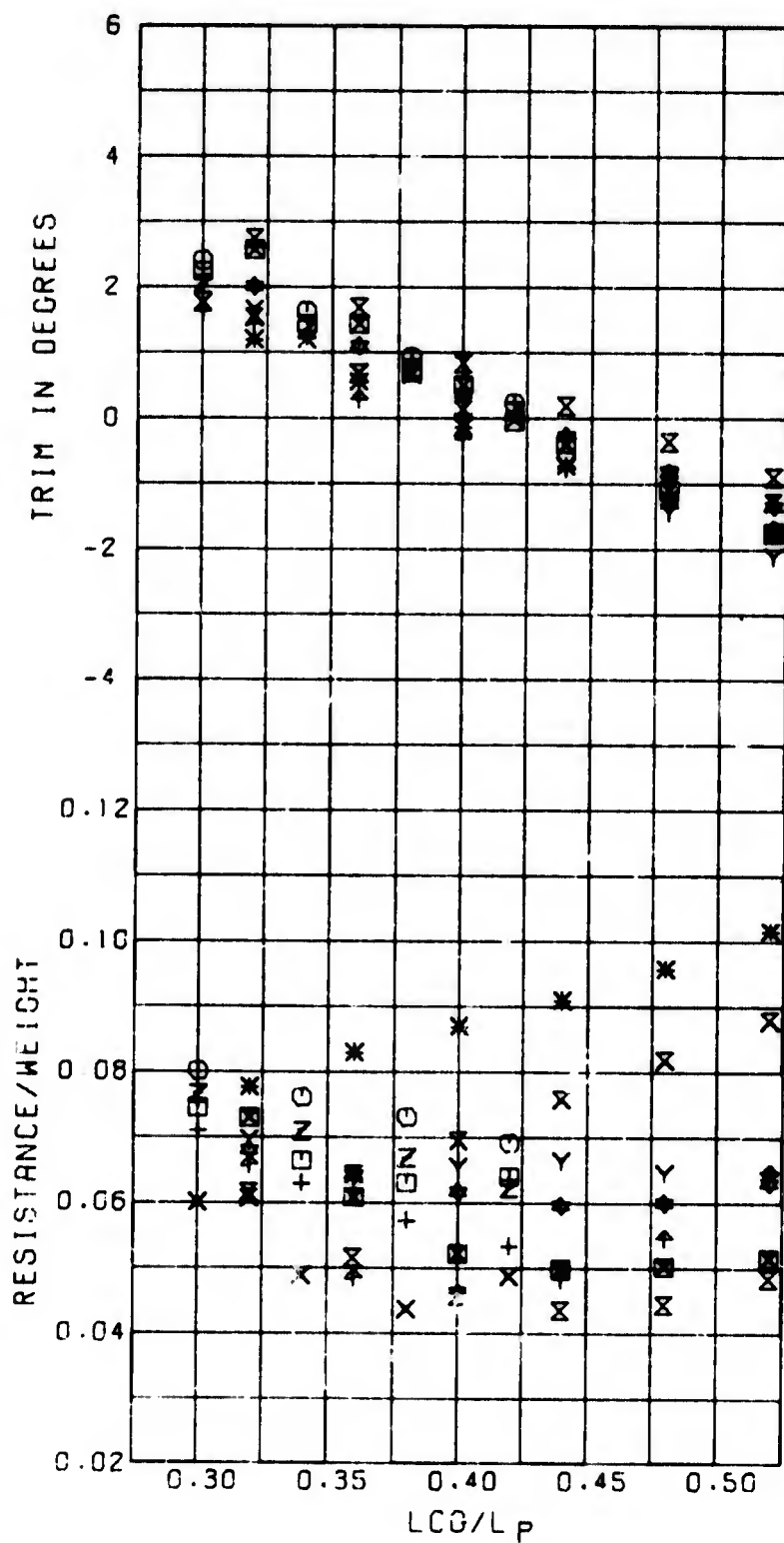
$$F_{N \nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/\nabla^{1/3} = 10.0$$

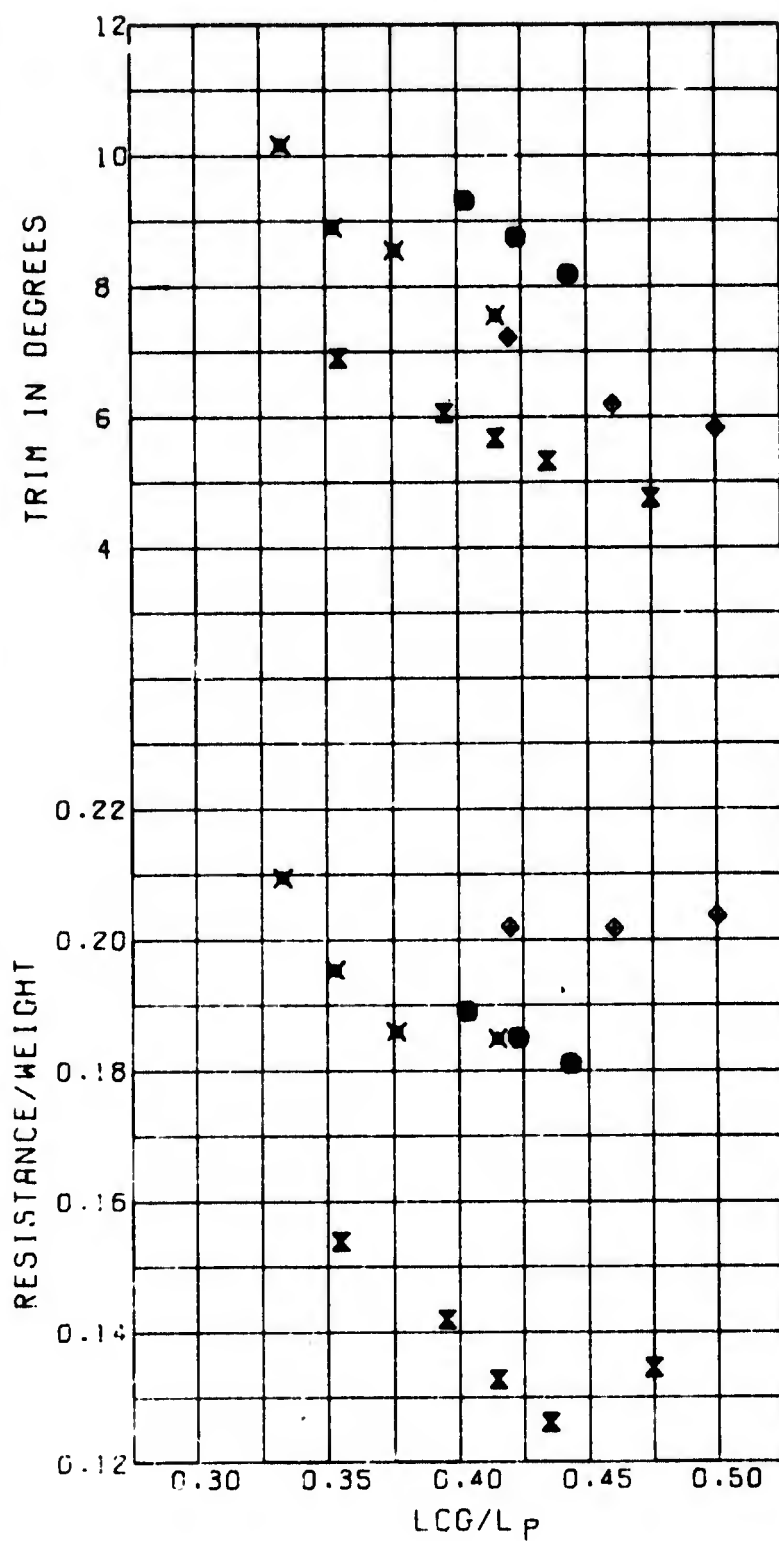
$$F_{N\nabla} = 2.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

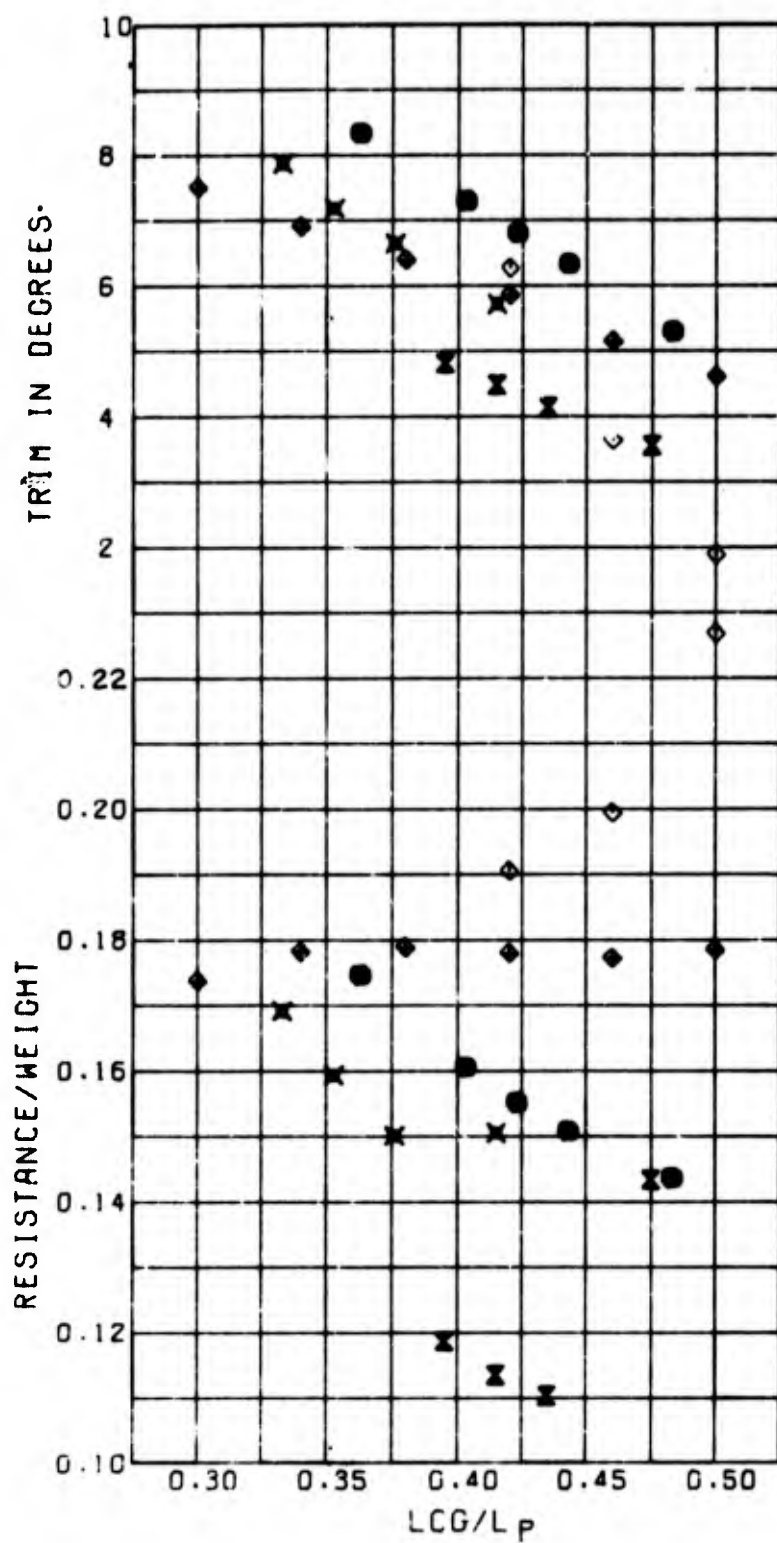
$$L_P/\nabla^{1/3} = 4.0$$

$$F_{N\nabla} = 2.50$$



$$L_P/\nabla^{1/3} = 4.5$$

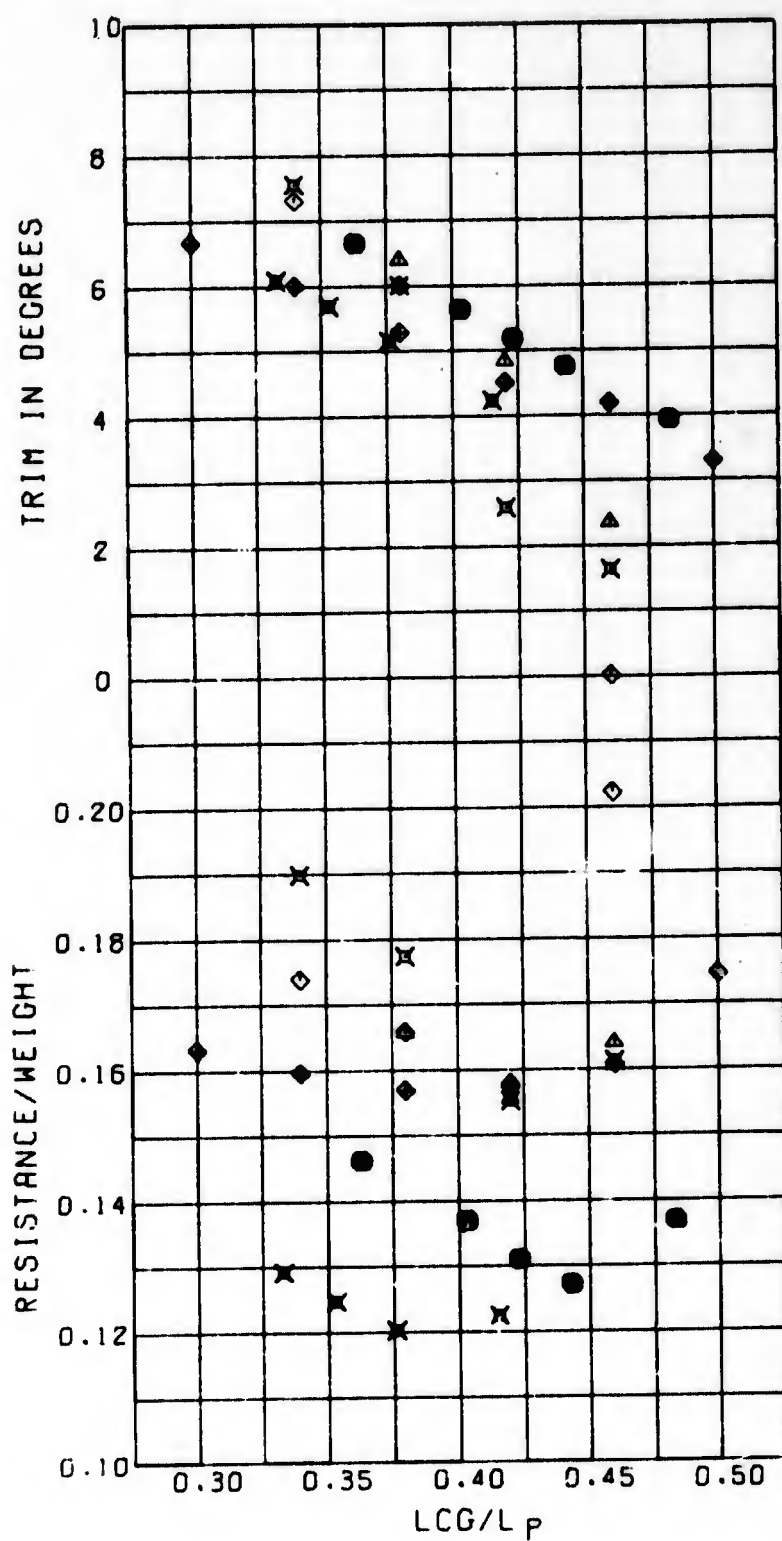
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
◆	5237	2.35	16.3
◇	5186	3.32	22.5
×	4665	2.00	12.5
●	4666	3.06	12.5
×	OL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 5.0$$

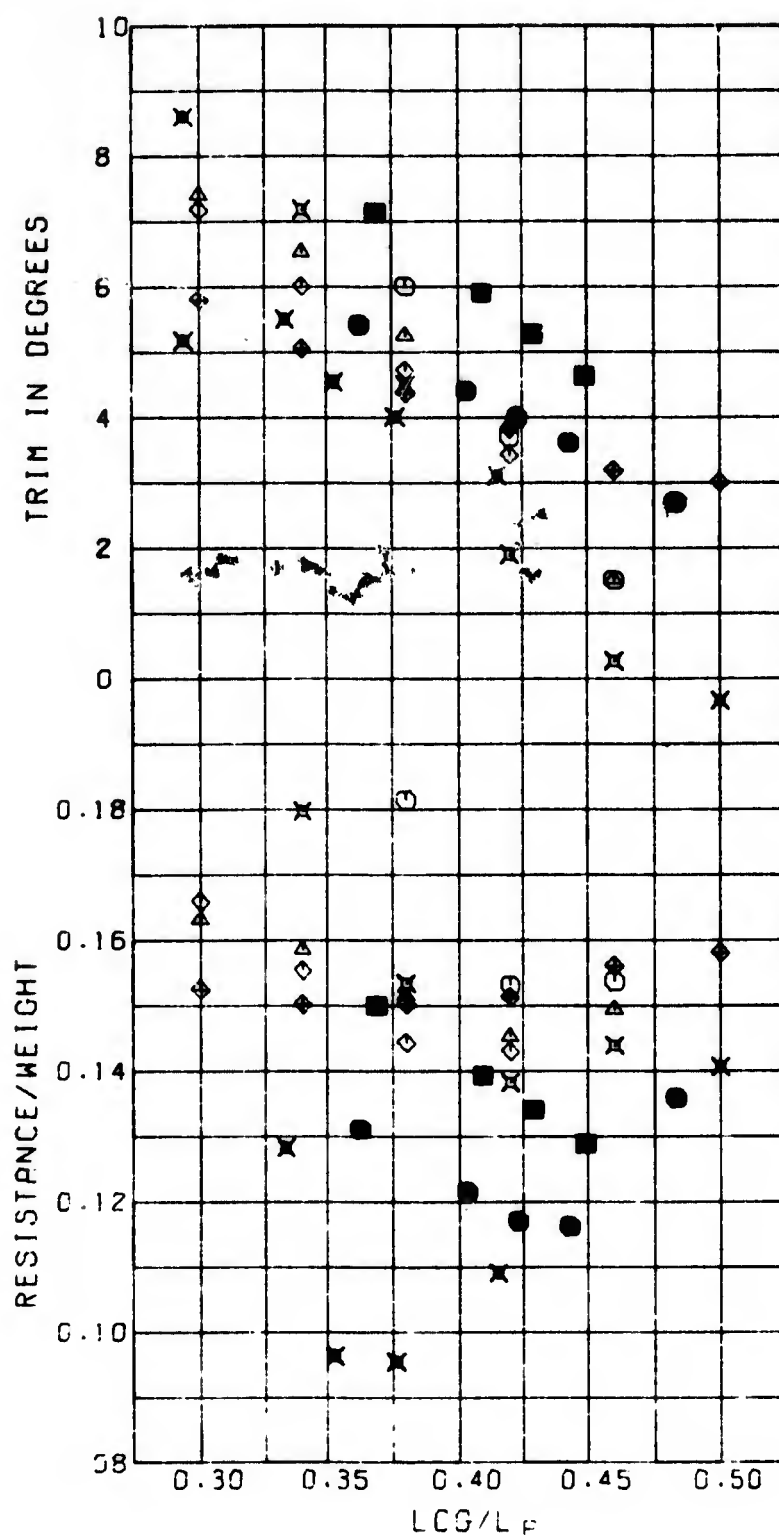
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
×	DL 62-A	3.06	13.0

$$L_P / \nabla^{1/3} = 5.5$$

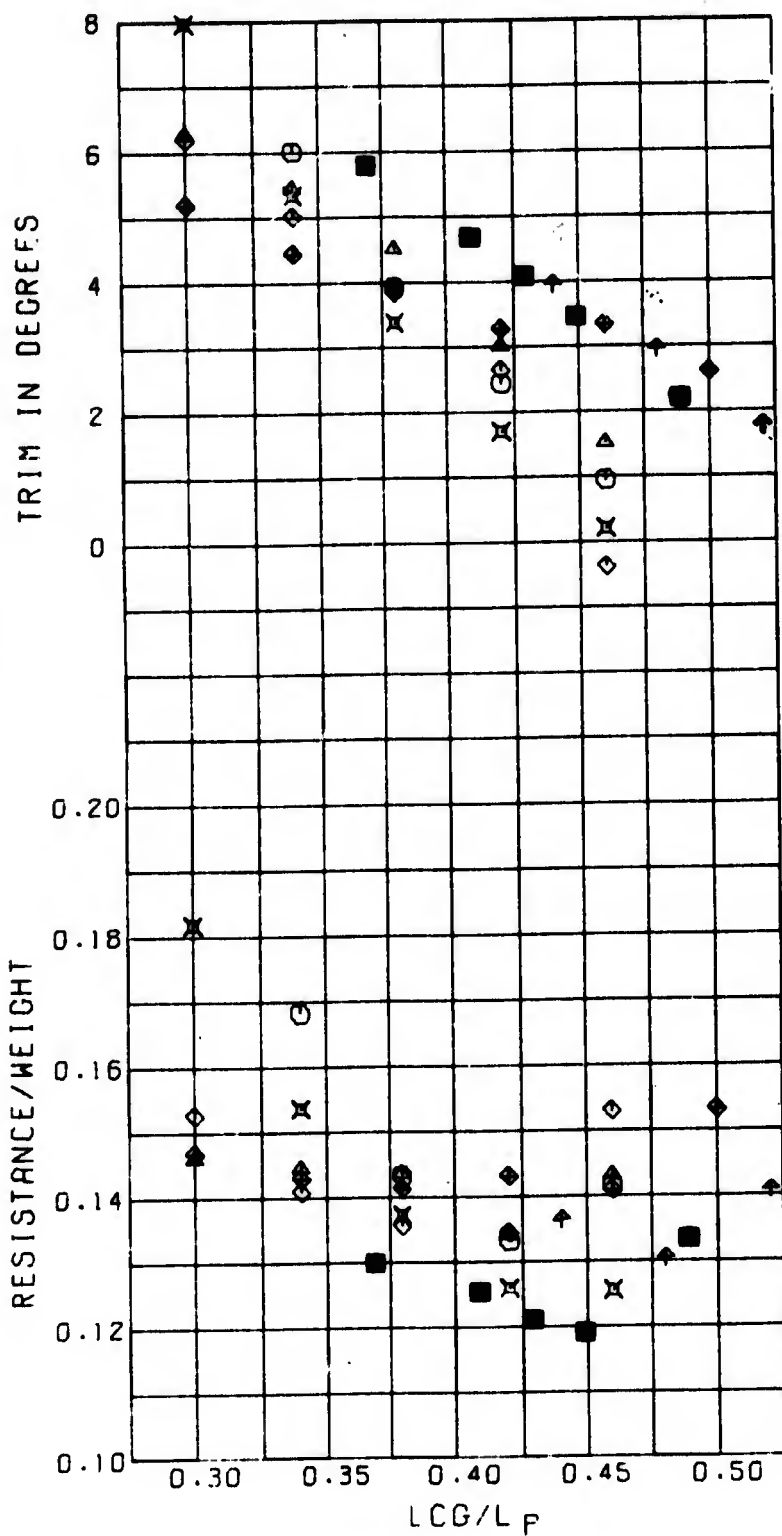
$$F_{N\Delta} = 2.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
▲	5240	3.32	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
●	4666	3.06	12.5
■	4667-1	4.09	12.5
×	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 6.0$$

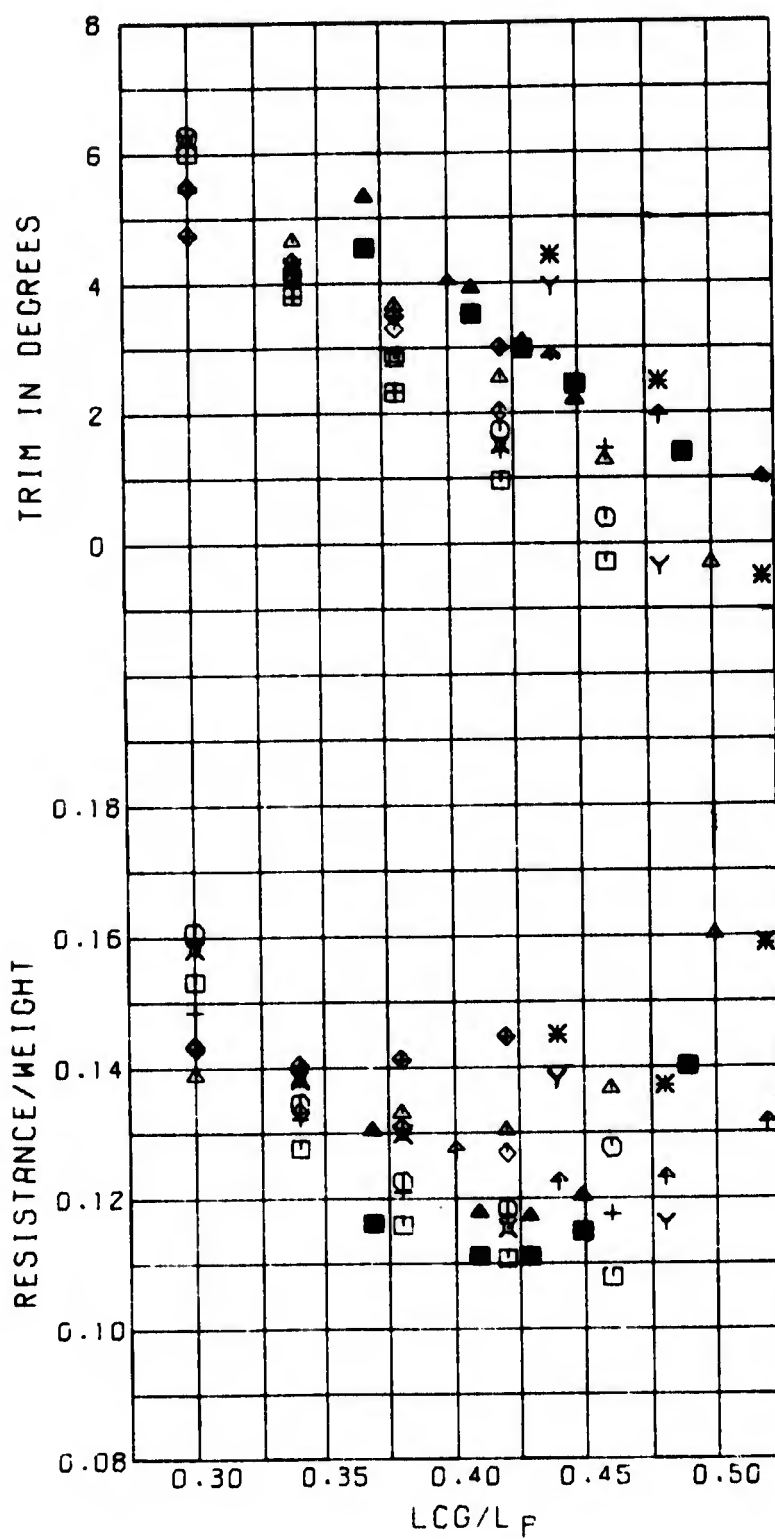
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
⊙	5184	4.69	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/\nabla^{1/3} = 6.5$$

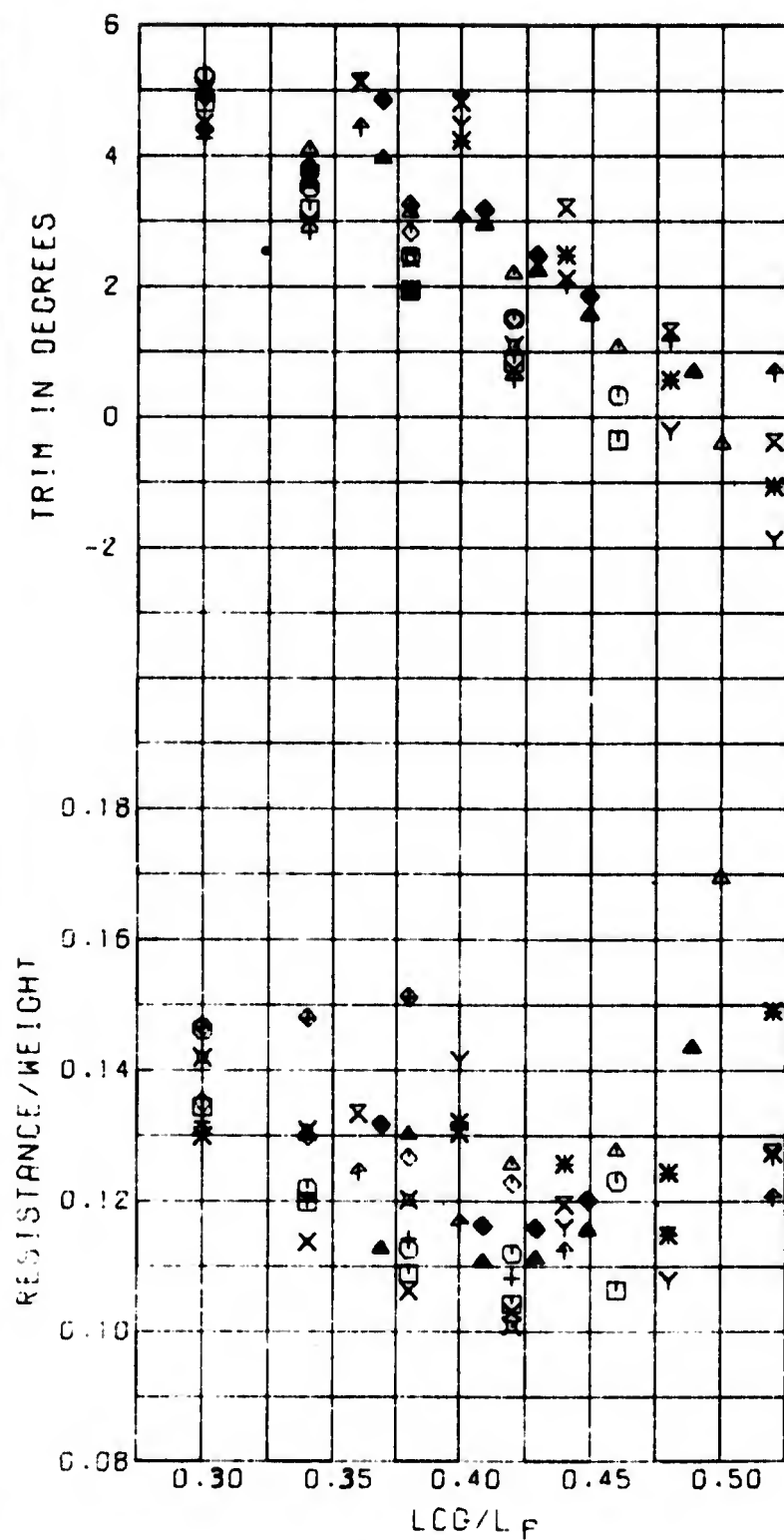
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/\nabla^{1/3} = 7.0$$

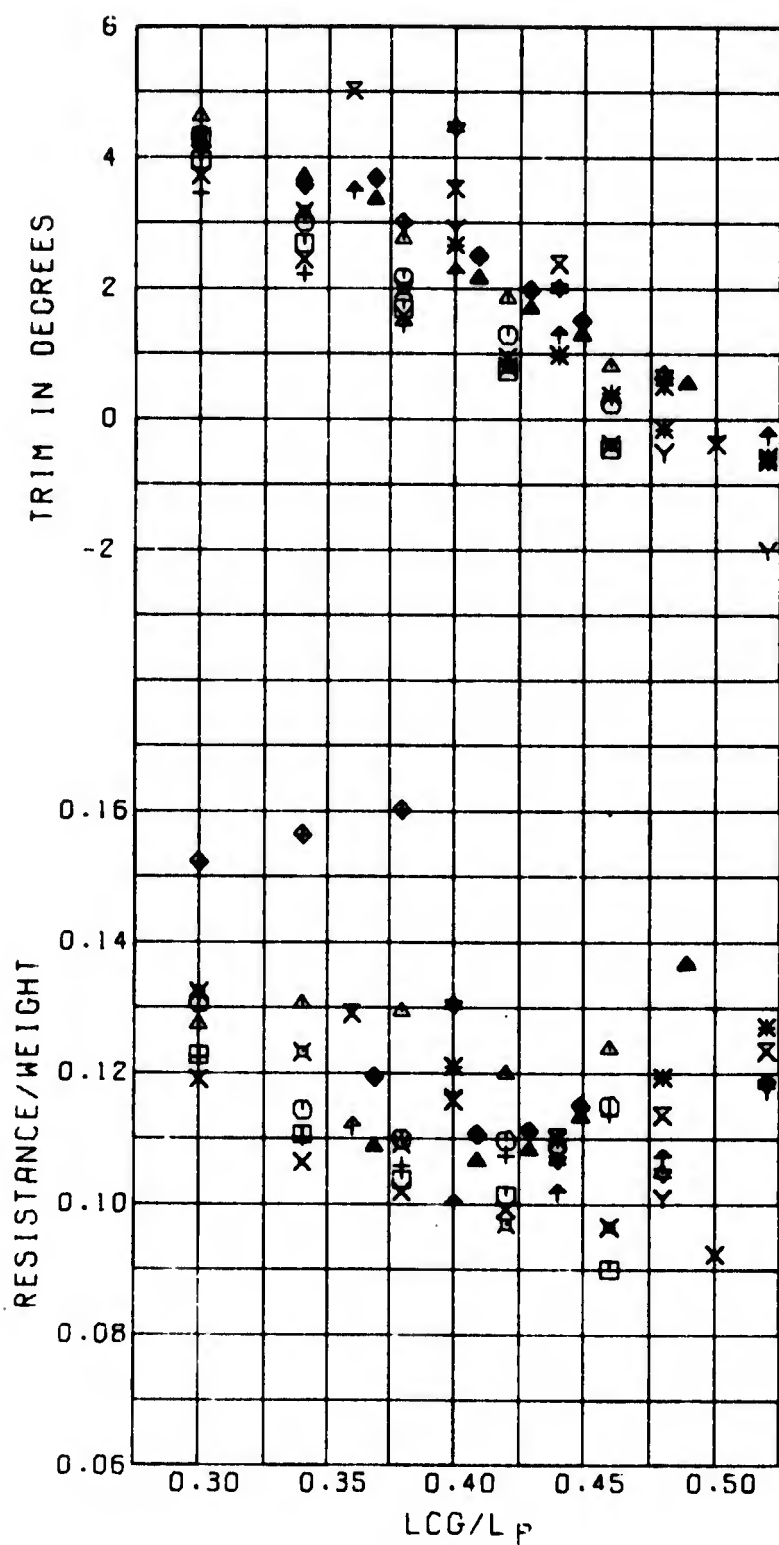
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
X	5167	6.64	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 7.5$$

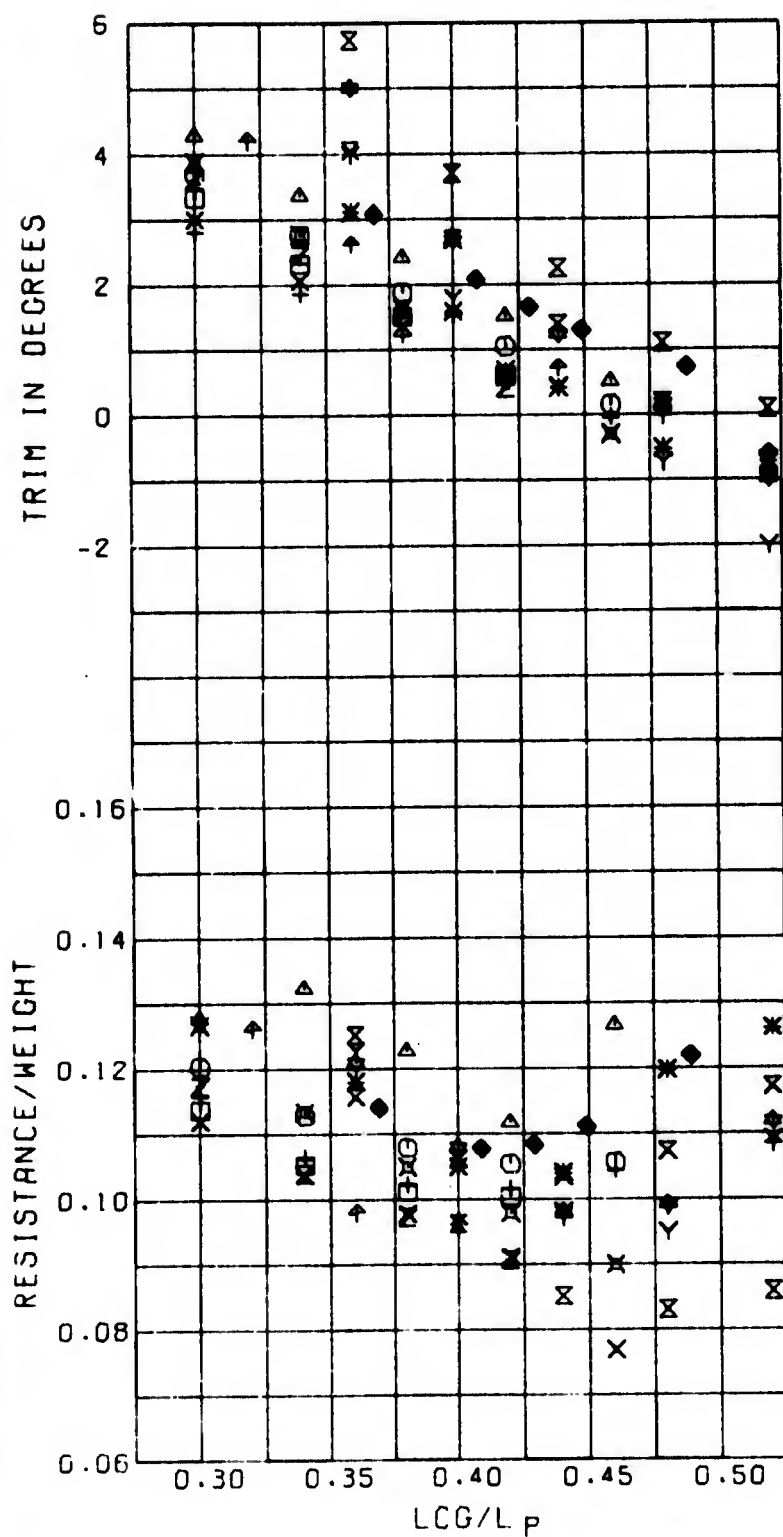
$$F_{NV} = 2.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
□	5184	4.69	22.5
X	5167	6.64	22.5
X	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.0$$

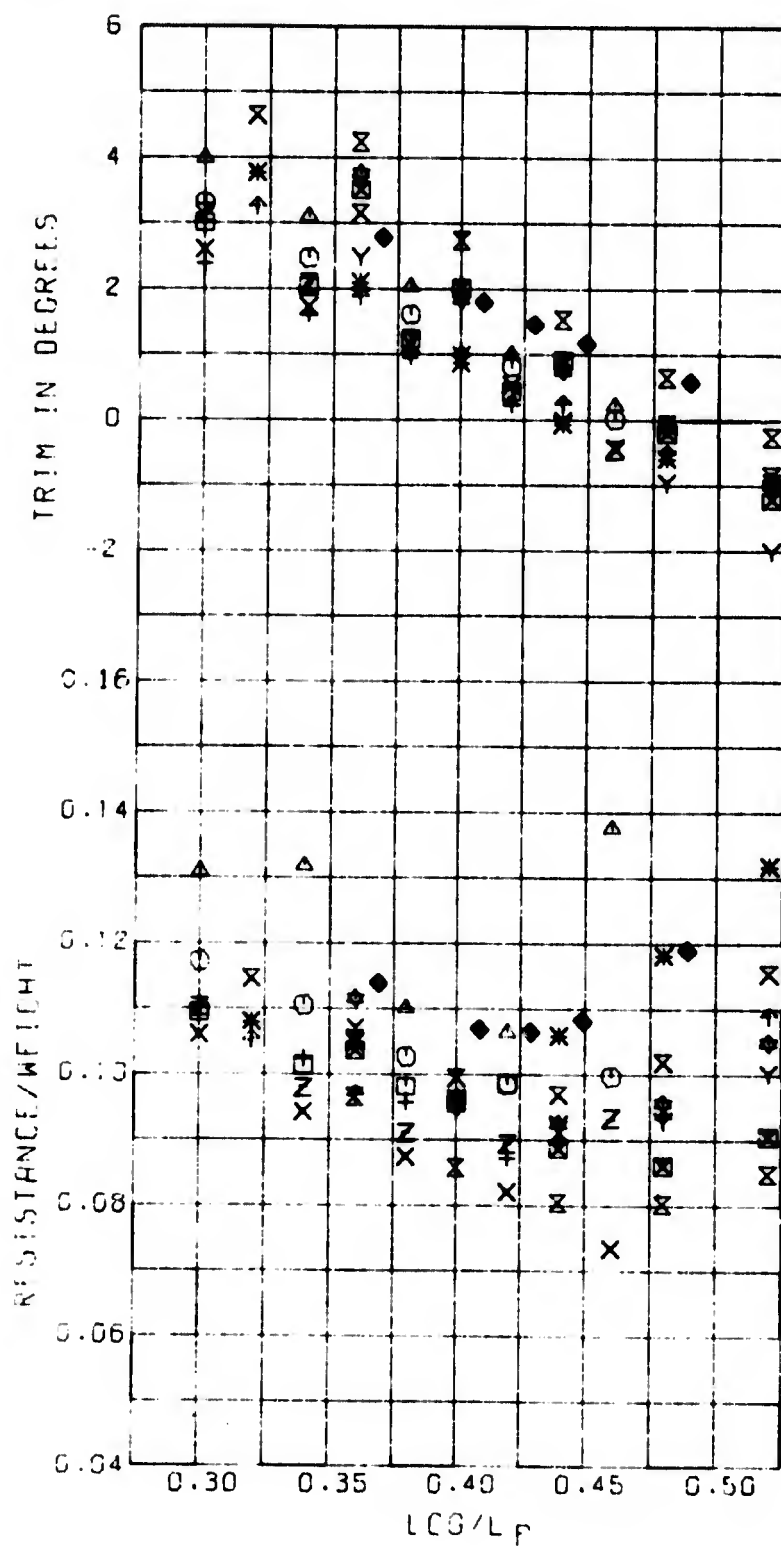
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.5$$

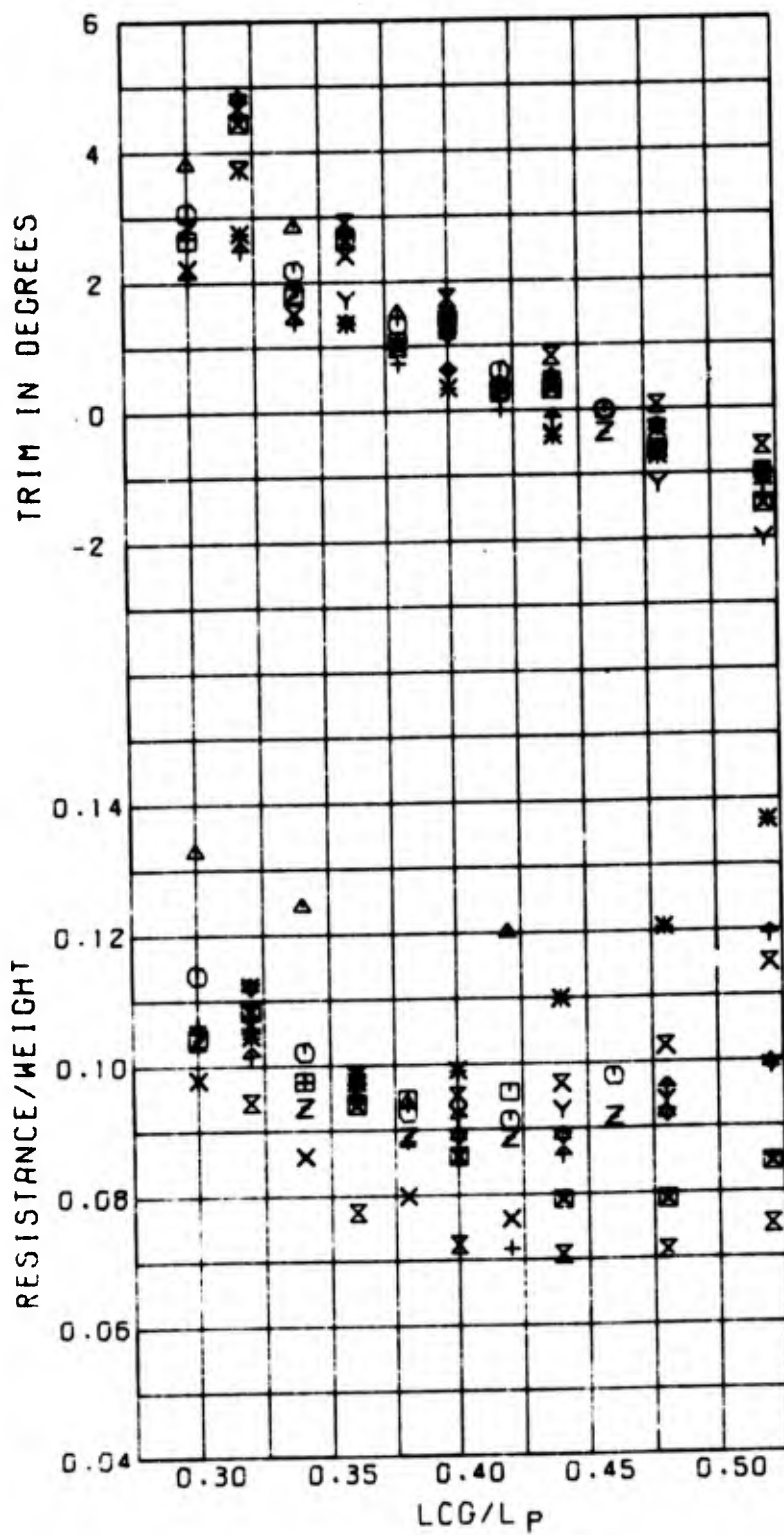
$$F_{NV} = 2.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
$\uparrow$	5251	3.30	14.8
$\times$	5249	4.66	14.8
$*$	5198	4.66	20.5
$\oplus$	4966-1	6.60	20.5
$\boxtimes$	5204	9.34	20.5
γ	5250	6.60	27.7
$\boxminus$	5248	9.34	27.7
$\triangle$	5240	3.32	16.3
$+$	5239	4.69	16.3
$\odot$	5184	4.69	22.5
$\circ$	5167	6.64	22.5
$\square$	5208	6.64	30.4
∇	5238	9.38	30.4
$\blacklozenge$	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 9.0$$

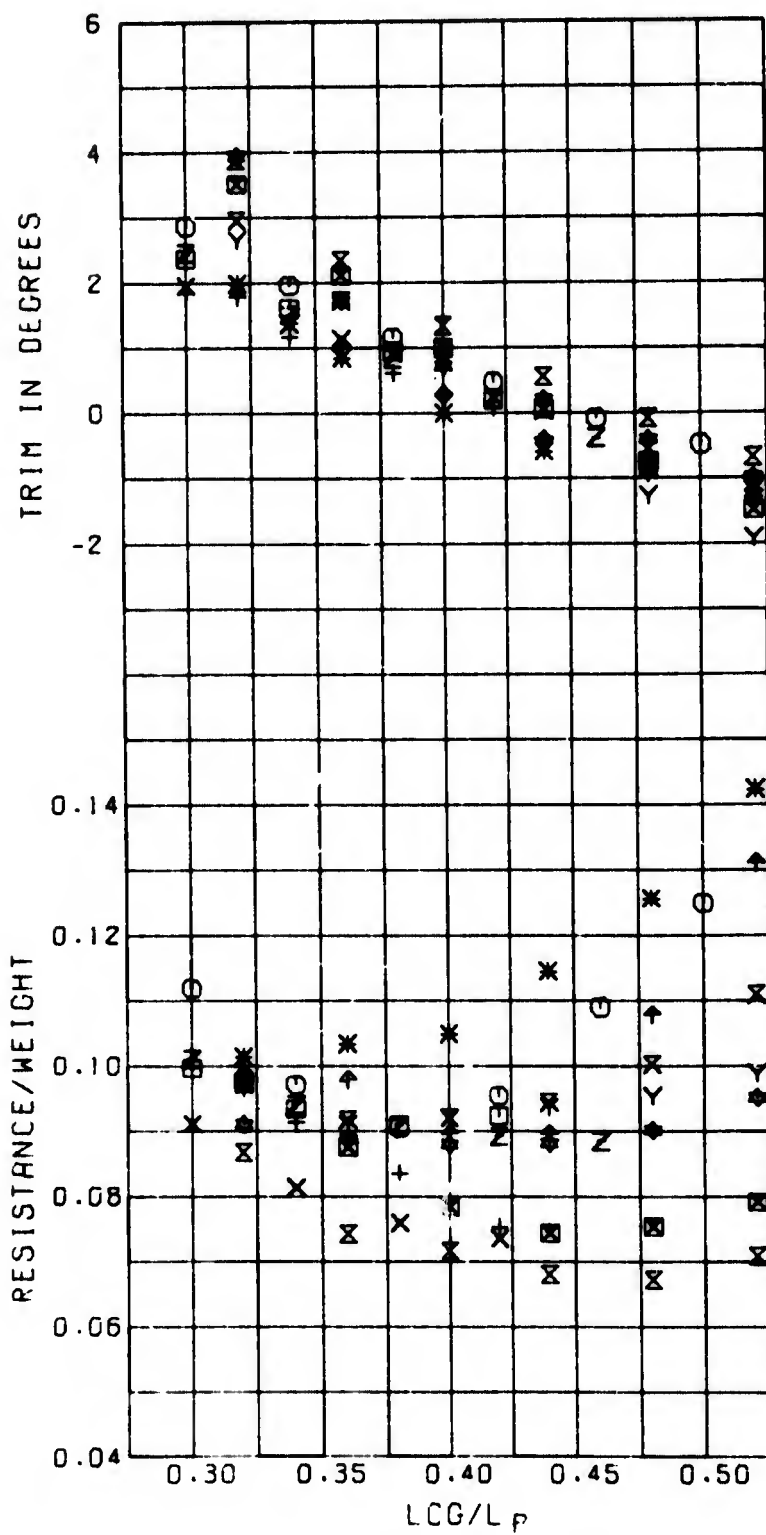
$$F_{N\nabla} = 2.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
+	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

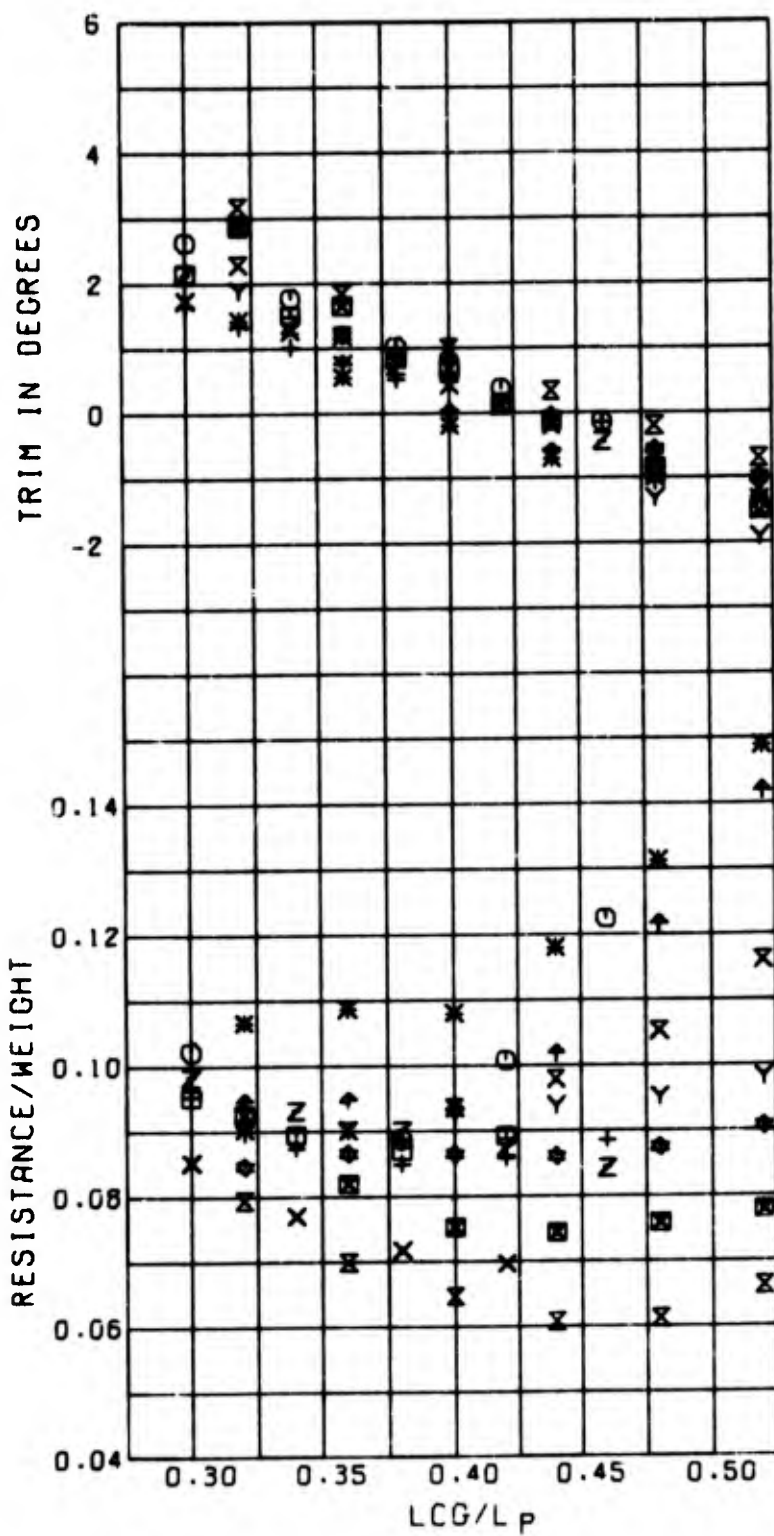
$$L_P/V^{1/3} = 9.5$$

$$F_{NV} = 2.50$$



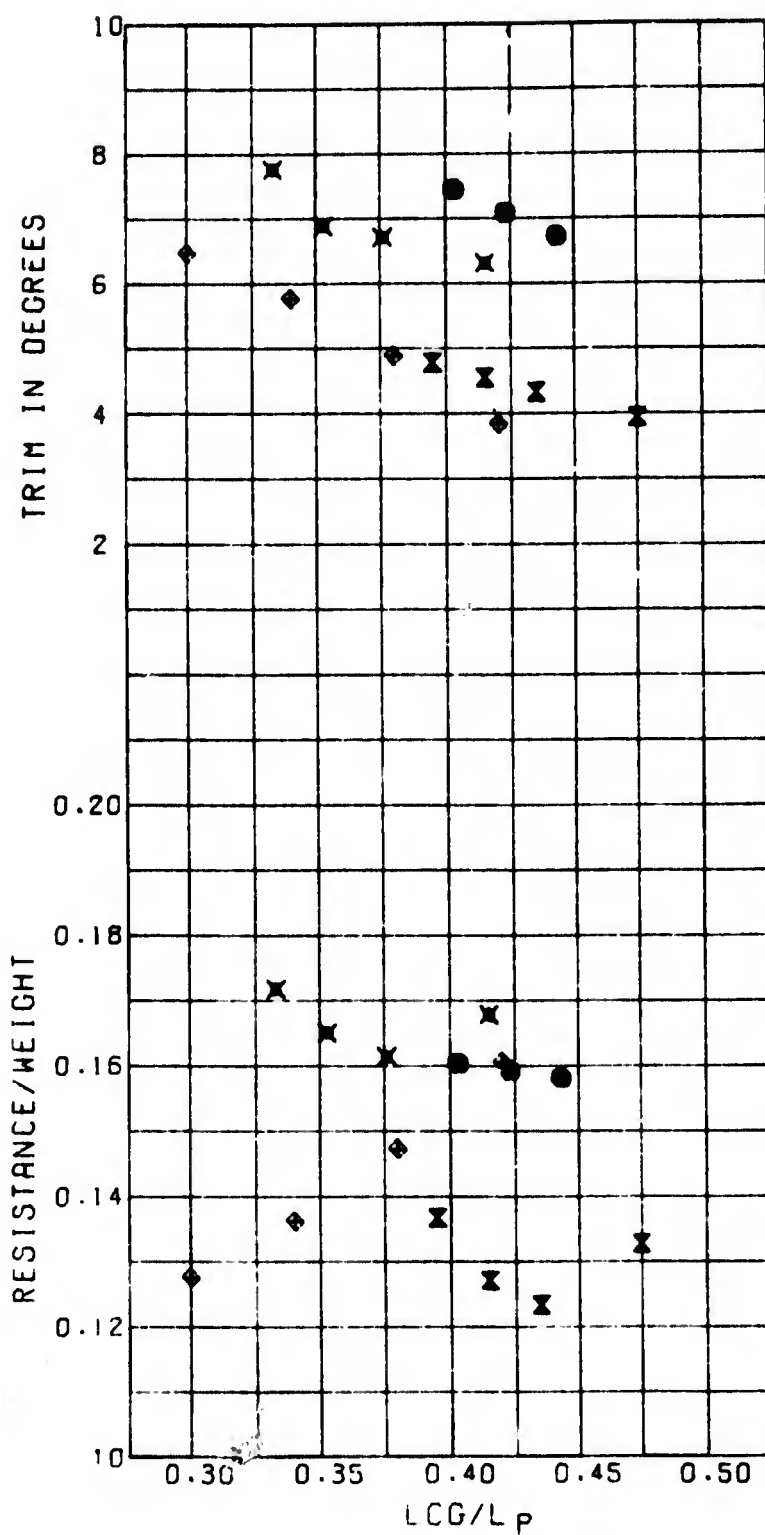
SYMBOL	MODEL	L_P/θ_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 10.0 \quad F_{NV} = 2.50$$



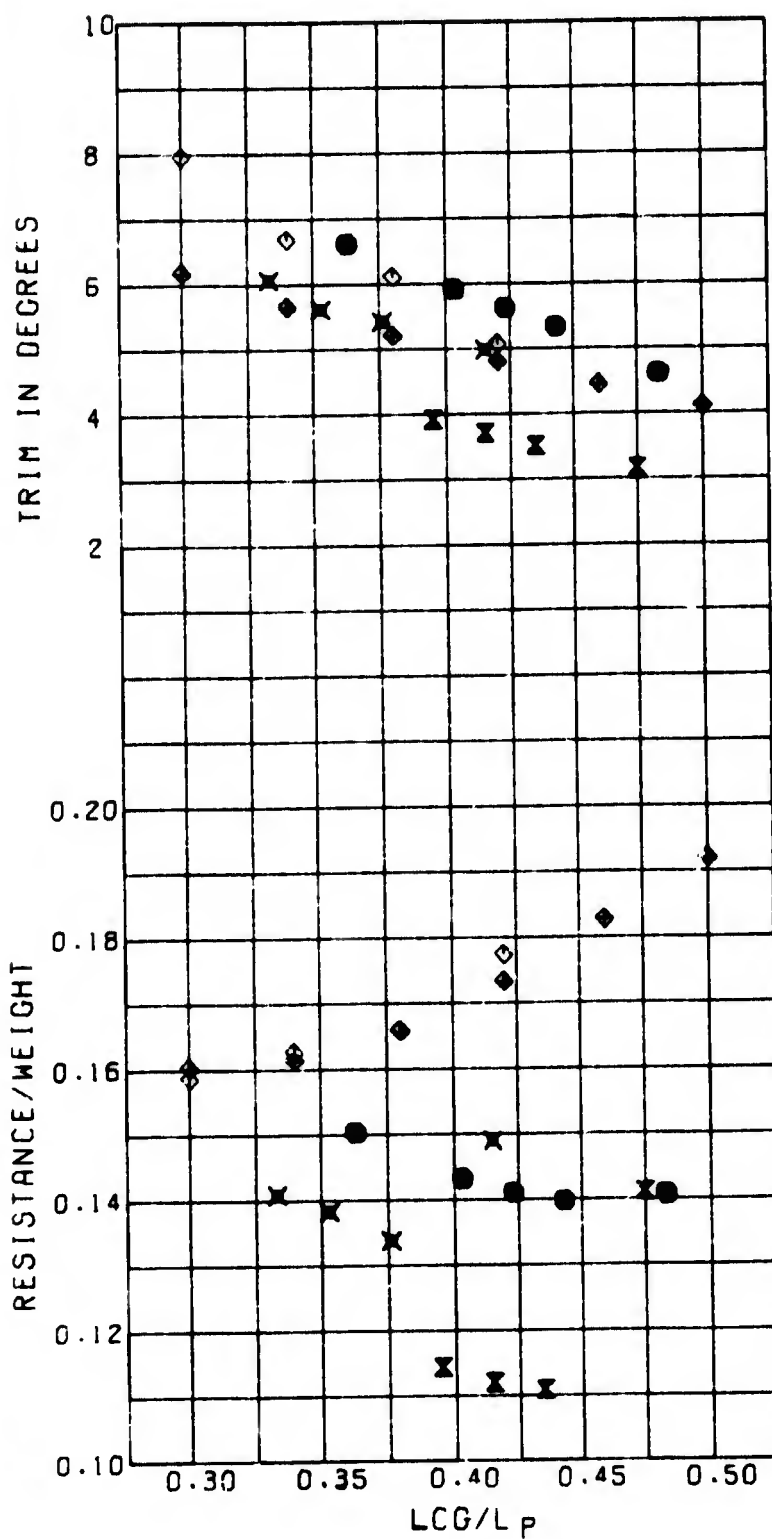
SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.06	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 4.0 \quad F_{NV} = 3.00$$



$$L_P/V^{1/3} = 4.5$$

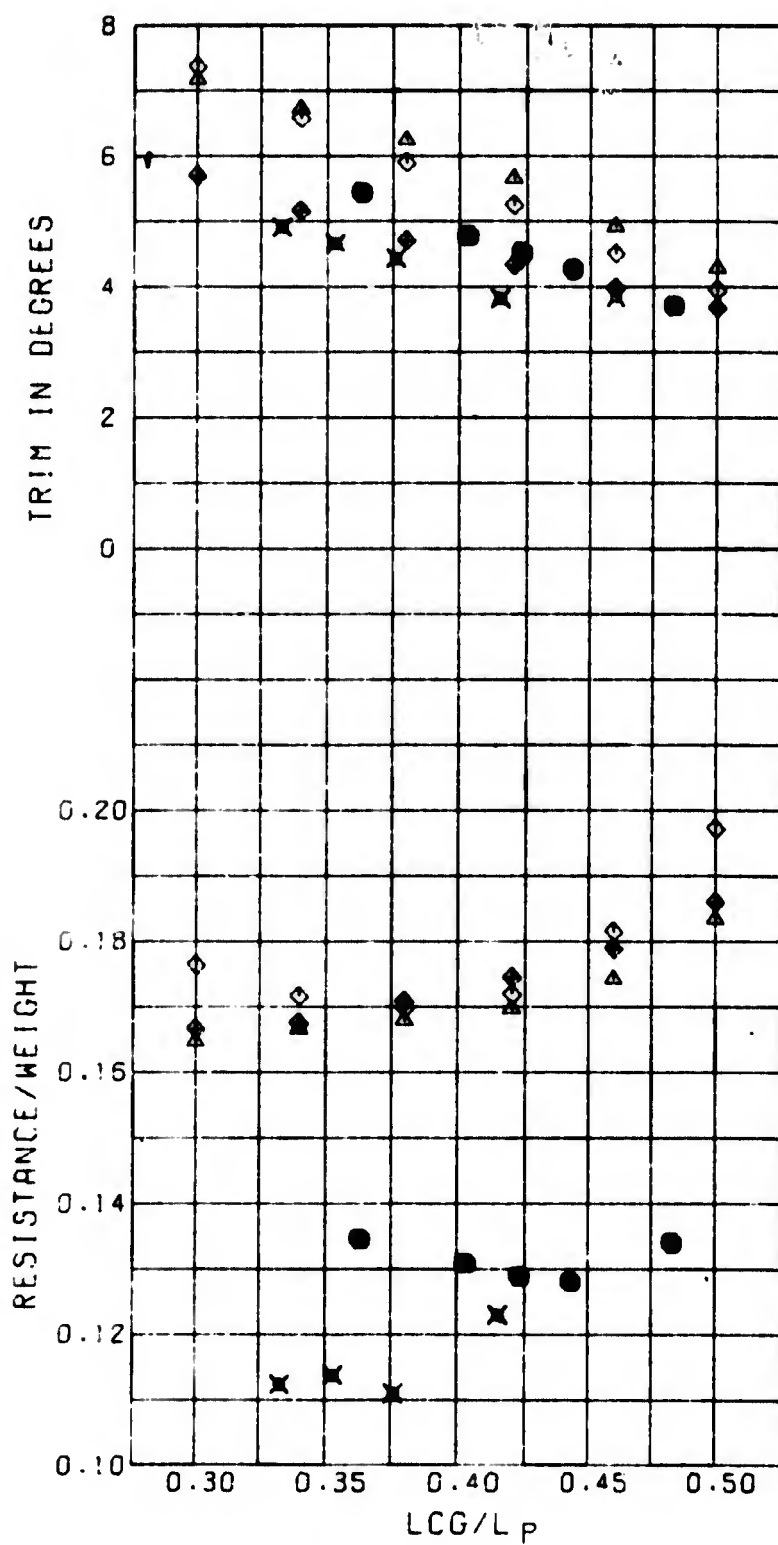
$$F_{NV} = 3.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
◇	5186	3.32	22.5
⊠	4665	2.00	12.5
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

$$L_P / \nabla^{1/3} = 5.0$$

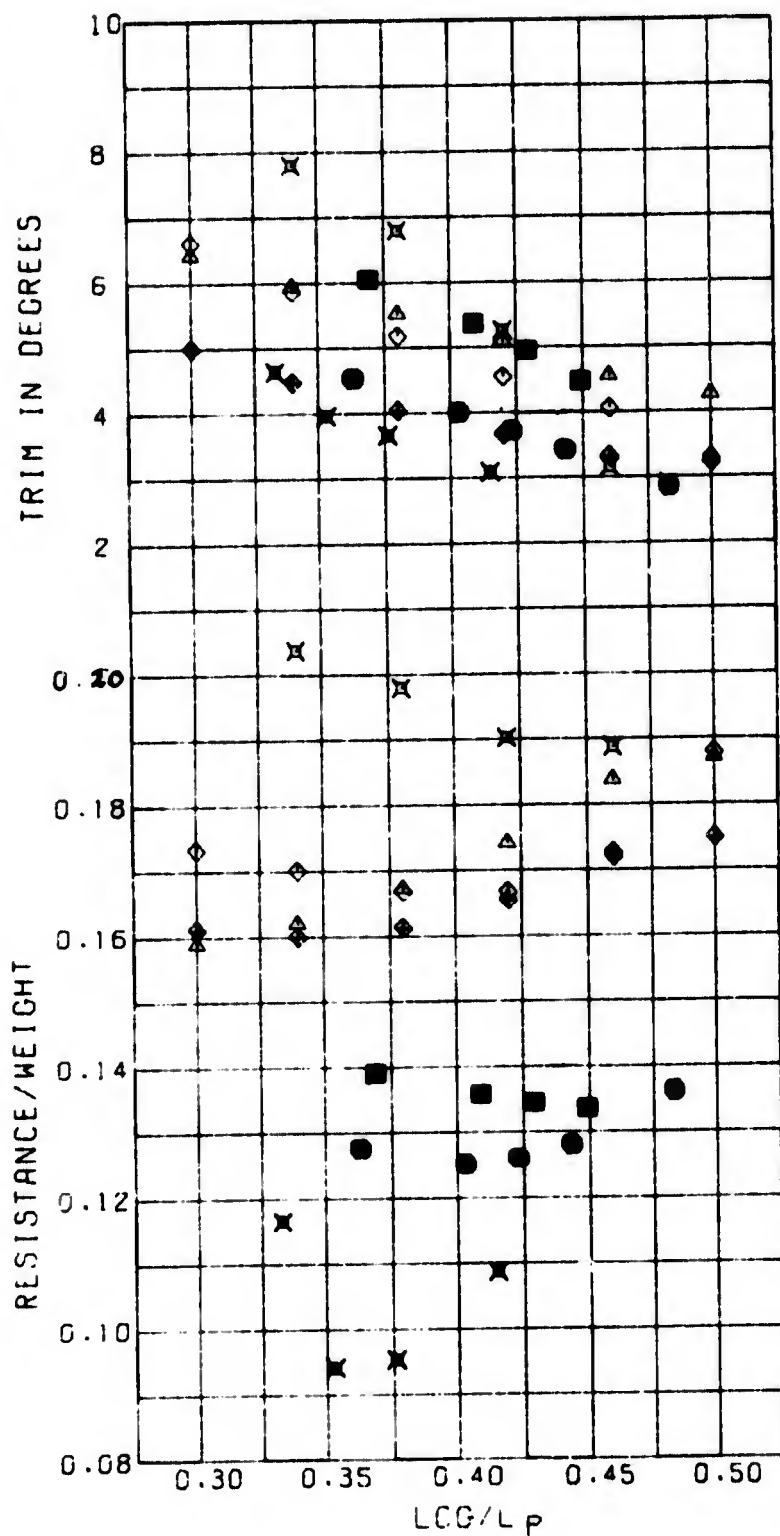
$$F_{N \nabla} = 3.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
▲	5240	3.32	16.3
◇	5186	3.32	22.5
●	4666	3.06	12.5
✕	DL 62-A	3.06	13.0

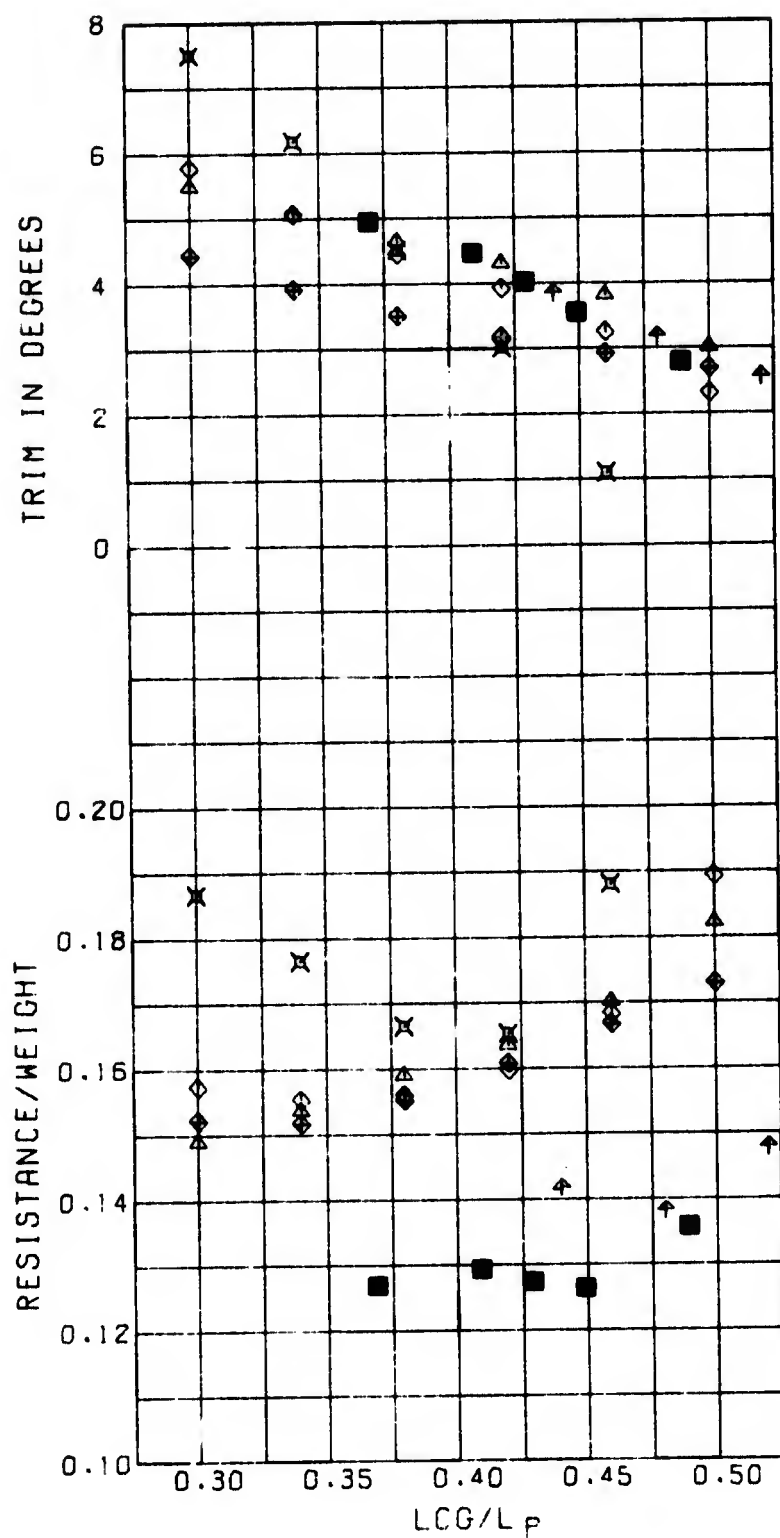
$$L_P/\nabla^{1/3} = 5.5$$

$$F_{N\nabla} = 3.00$$



$$L_P/\nabla^{1/3} = 6.0$$

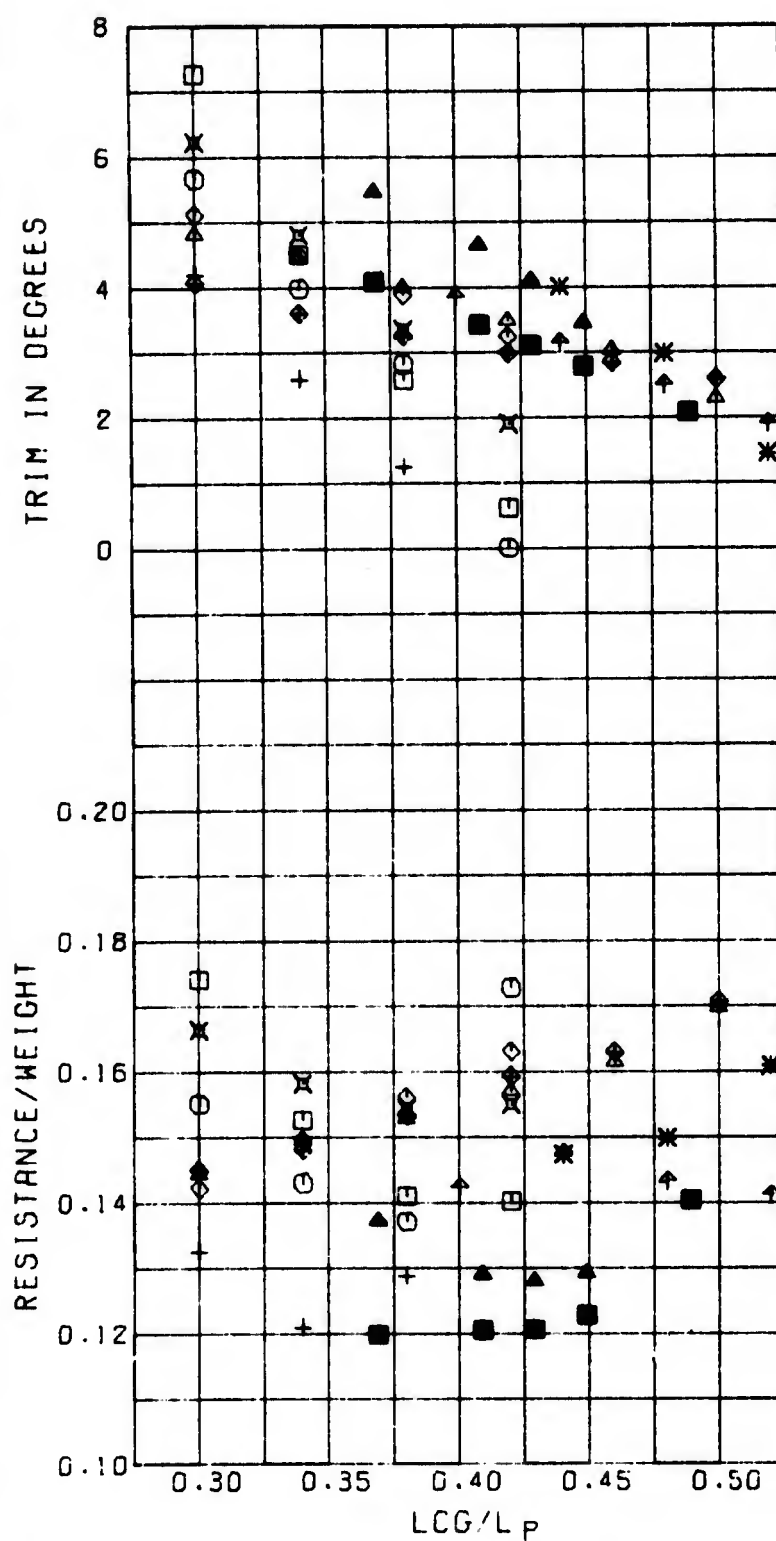
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
✕	5236	4.69	30.4
■	4667-1	4.09	12.5

$$L_P/V^{1/3} = 6.5$$

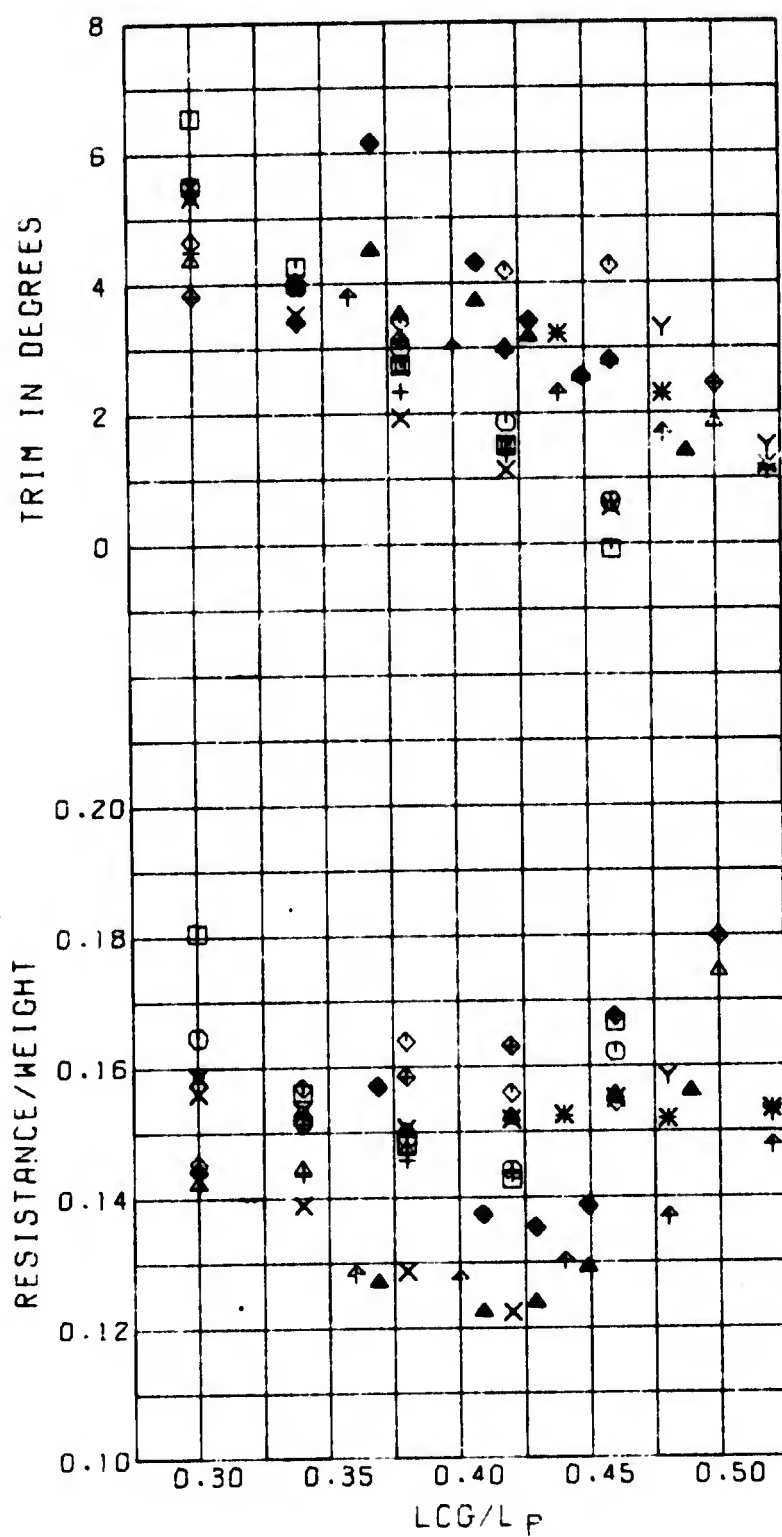
$$F_{NV} = 3.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
*	5198	4.66	20.5
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/\nabla^{1/3} = 7.0$$

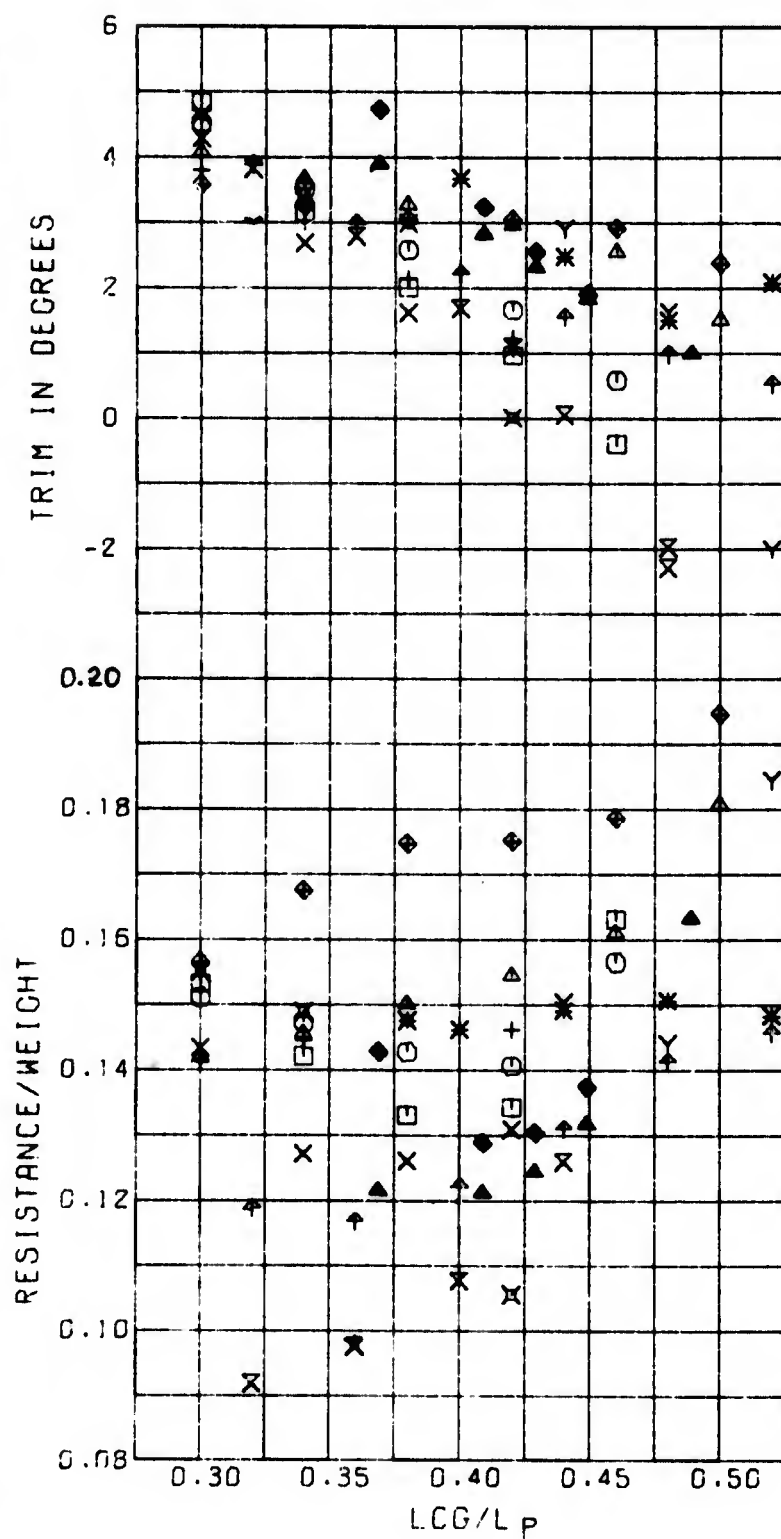
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
▲	5240	3.32	16.3
+	5239	4.69	16.3
◇	5186	3.32	22.5
○	5184	4.69	22.5
X	5167	6.64	22.5
⊗	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 7.5$$

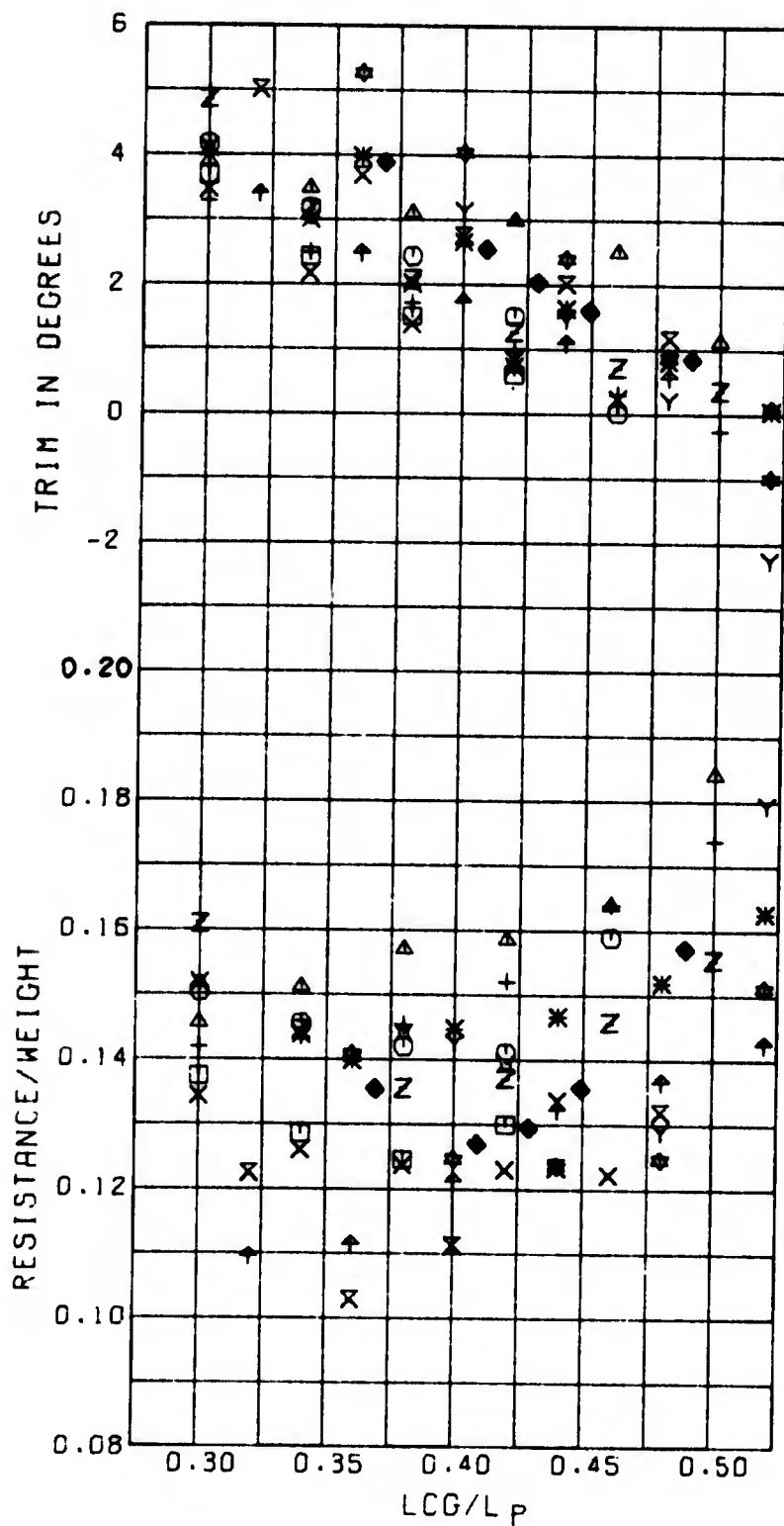
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
X	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.0$$

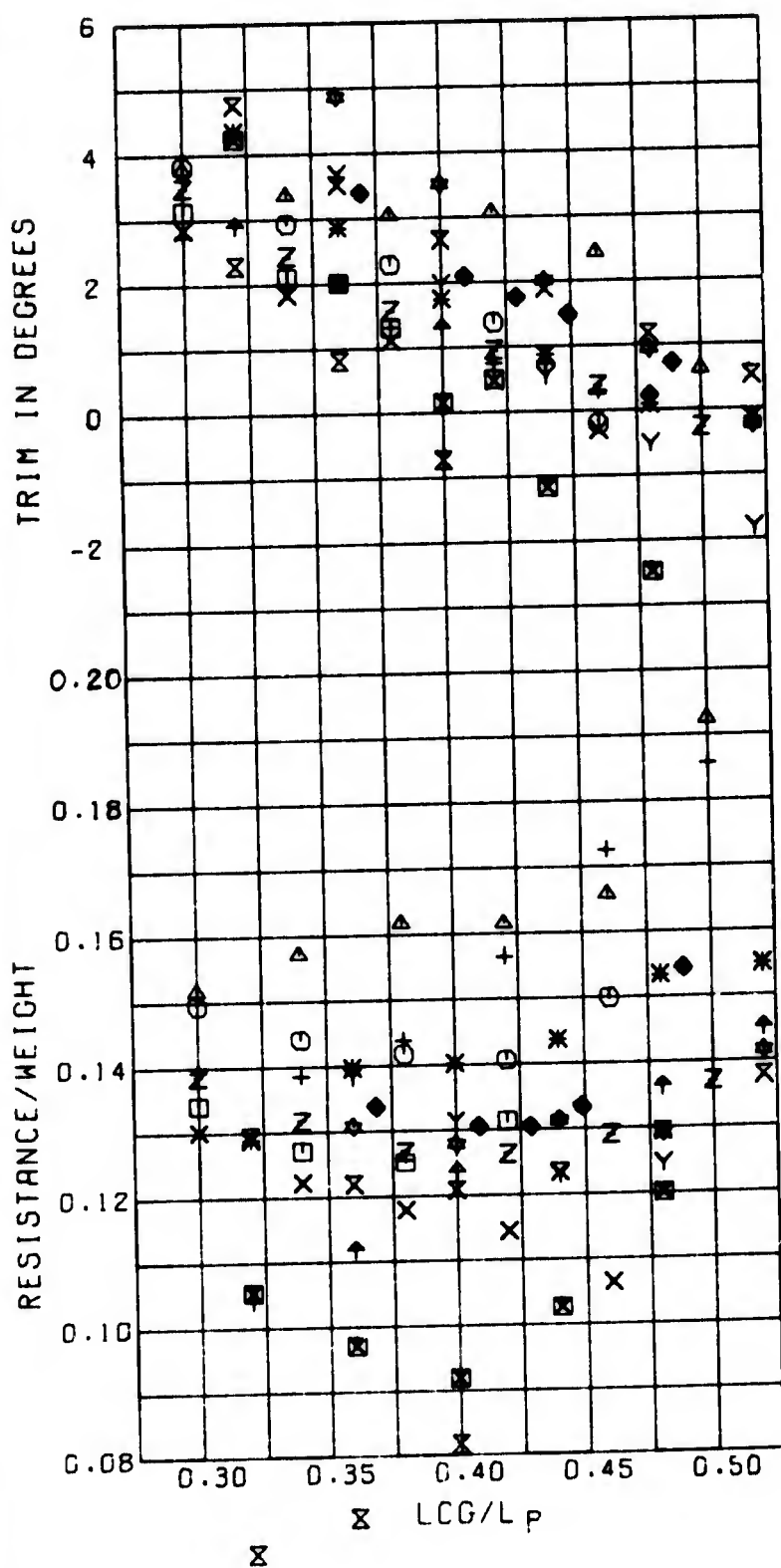
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
⊛	4966-1	6.60	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
X	5236	4.69	30.4
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.5$$

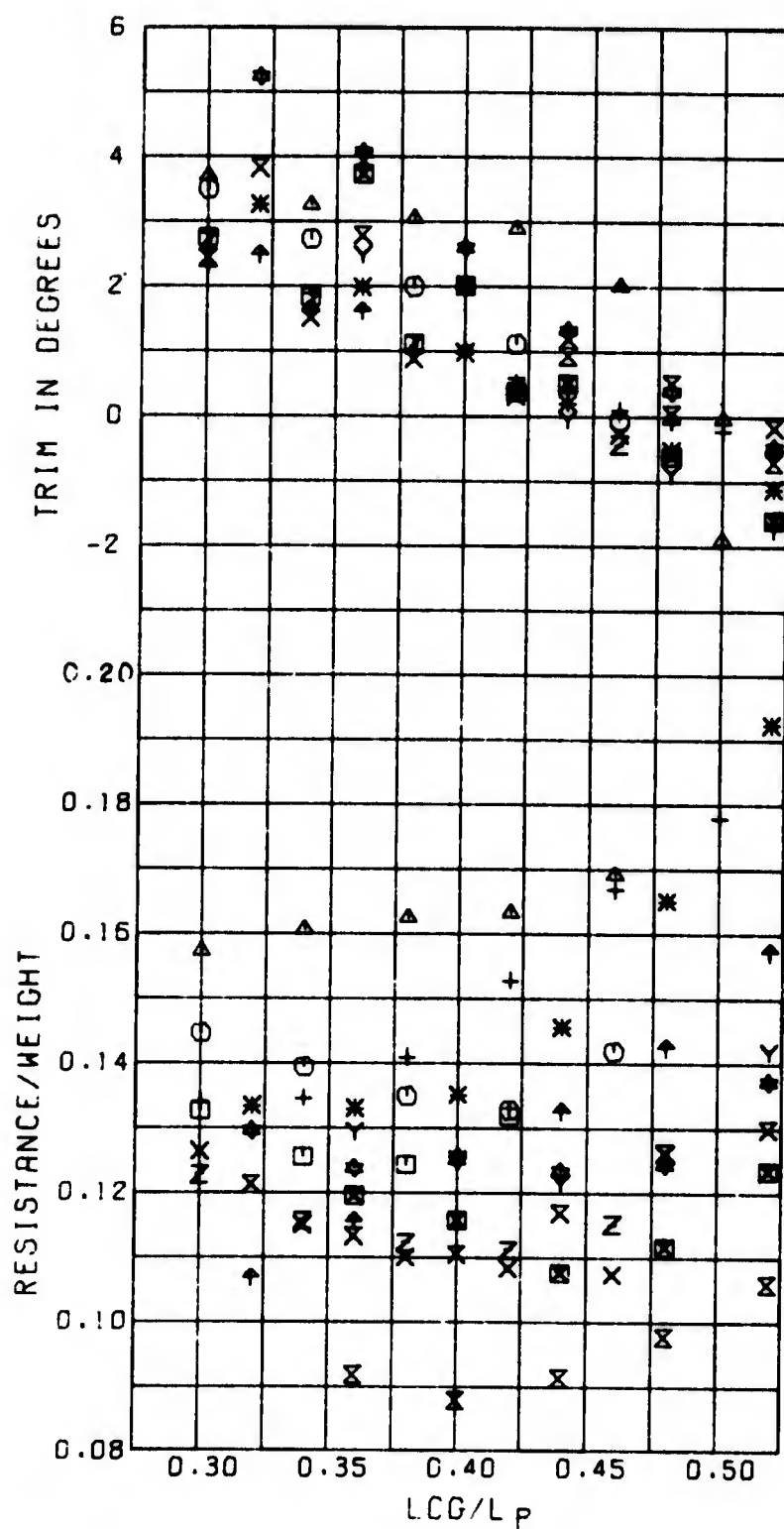
$$F_{NV} = 3.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
×	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.98	30.4
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 9.0$$

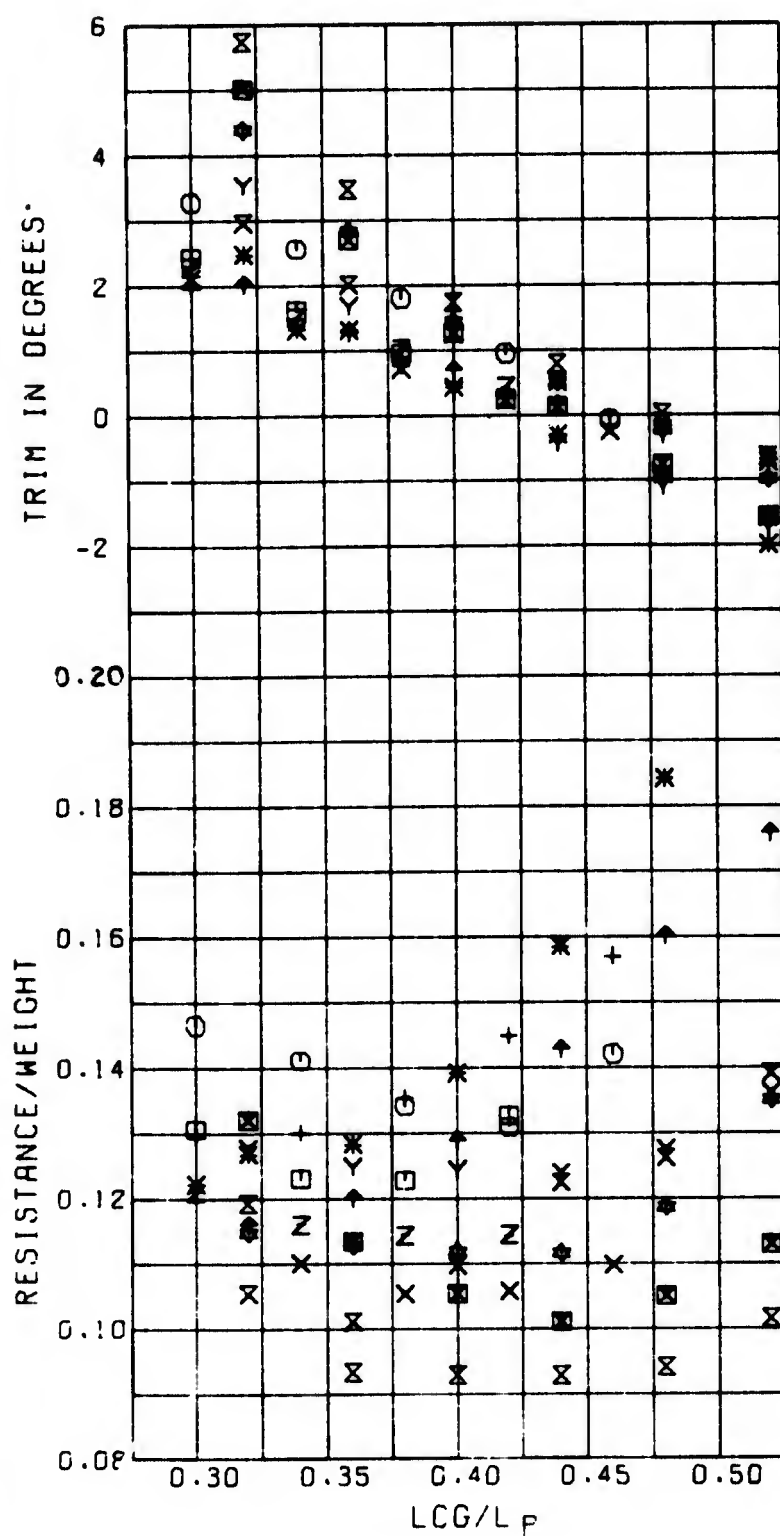
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
△	5240	3.32	16.3
+	5239	4.66	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
⊠	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/\nabla^{1/3} = 9.5$$

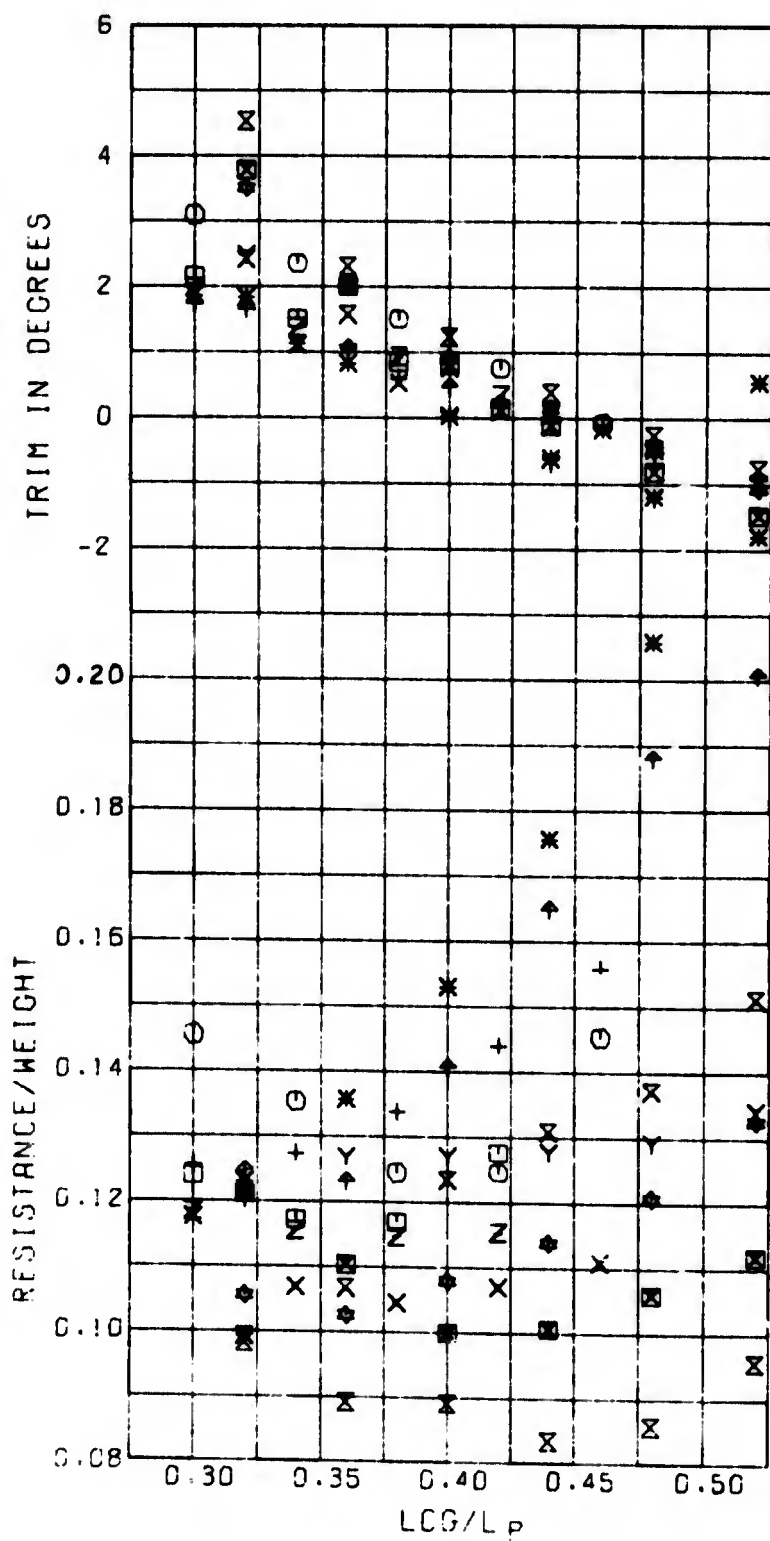
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/\nabla^{1/3} = 10.0$$

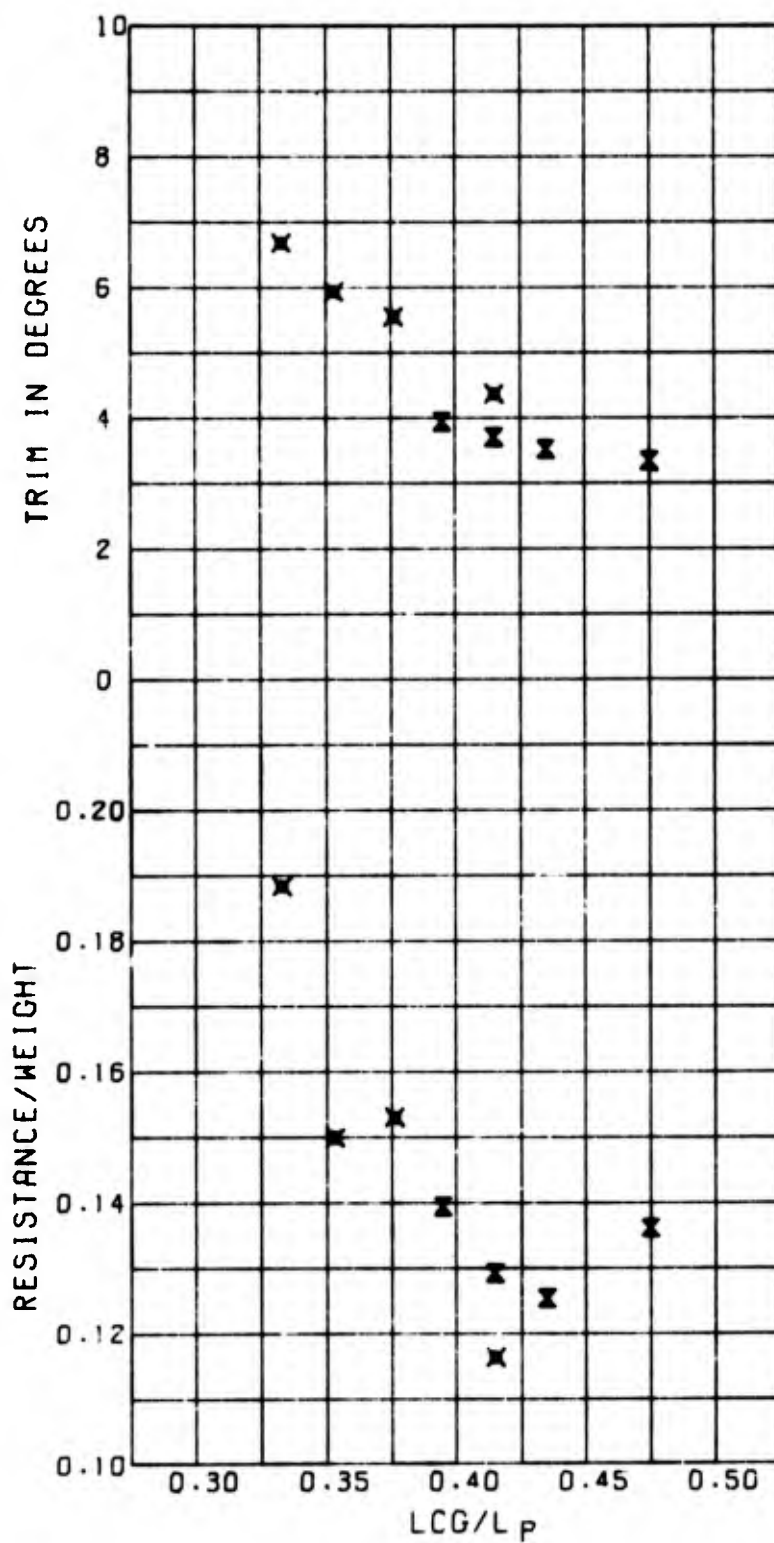
$$F_{N\nabla} = 3.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⊗	5204	9.34	20.5
Y	5250	6.60	27.7
⊠	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/\nabla^{1/3} = 4.0$$

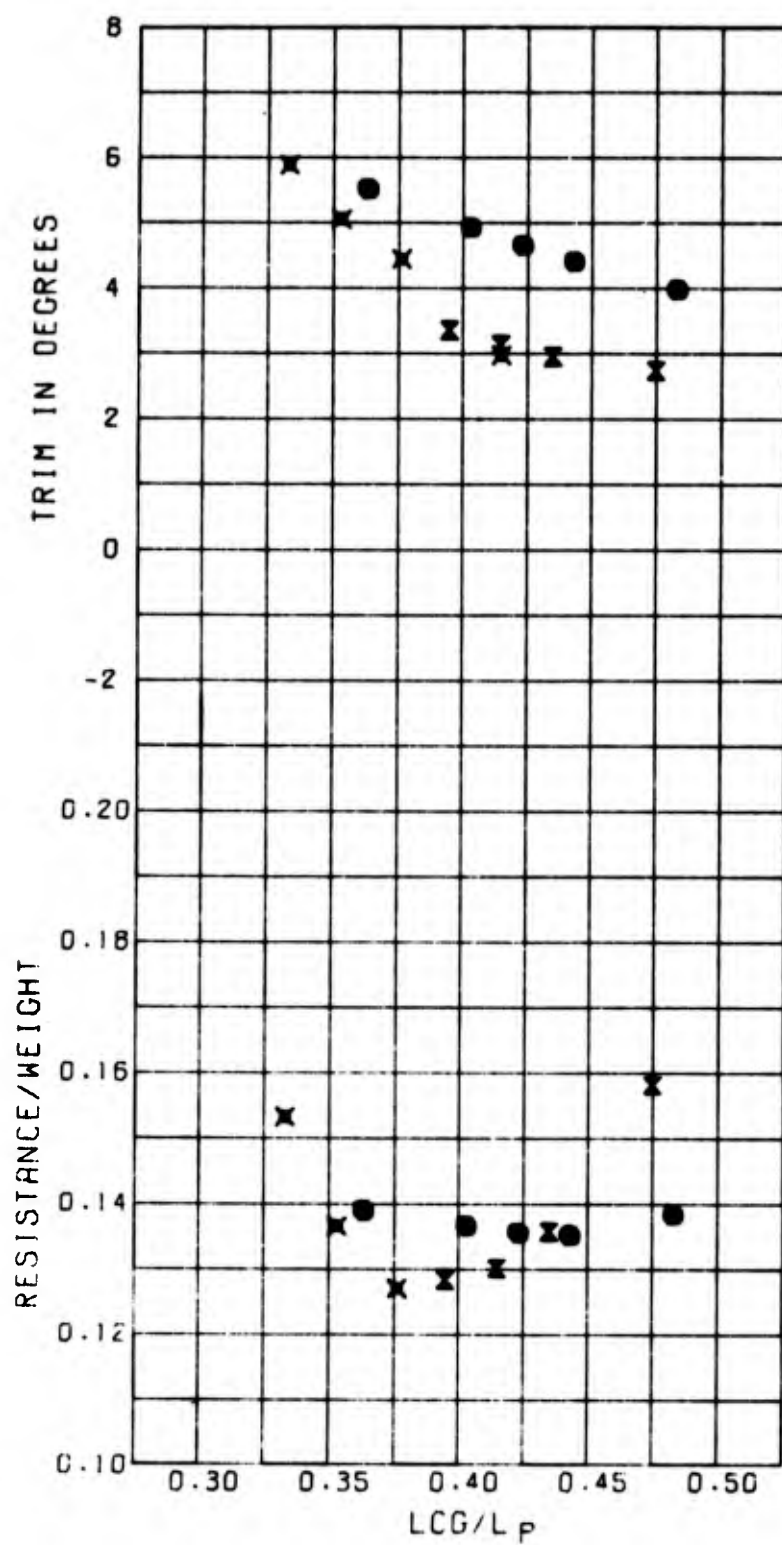
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
x	4665	2.00	12.5
x	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 4.5$$

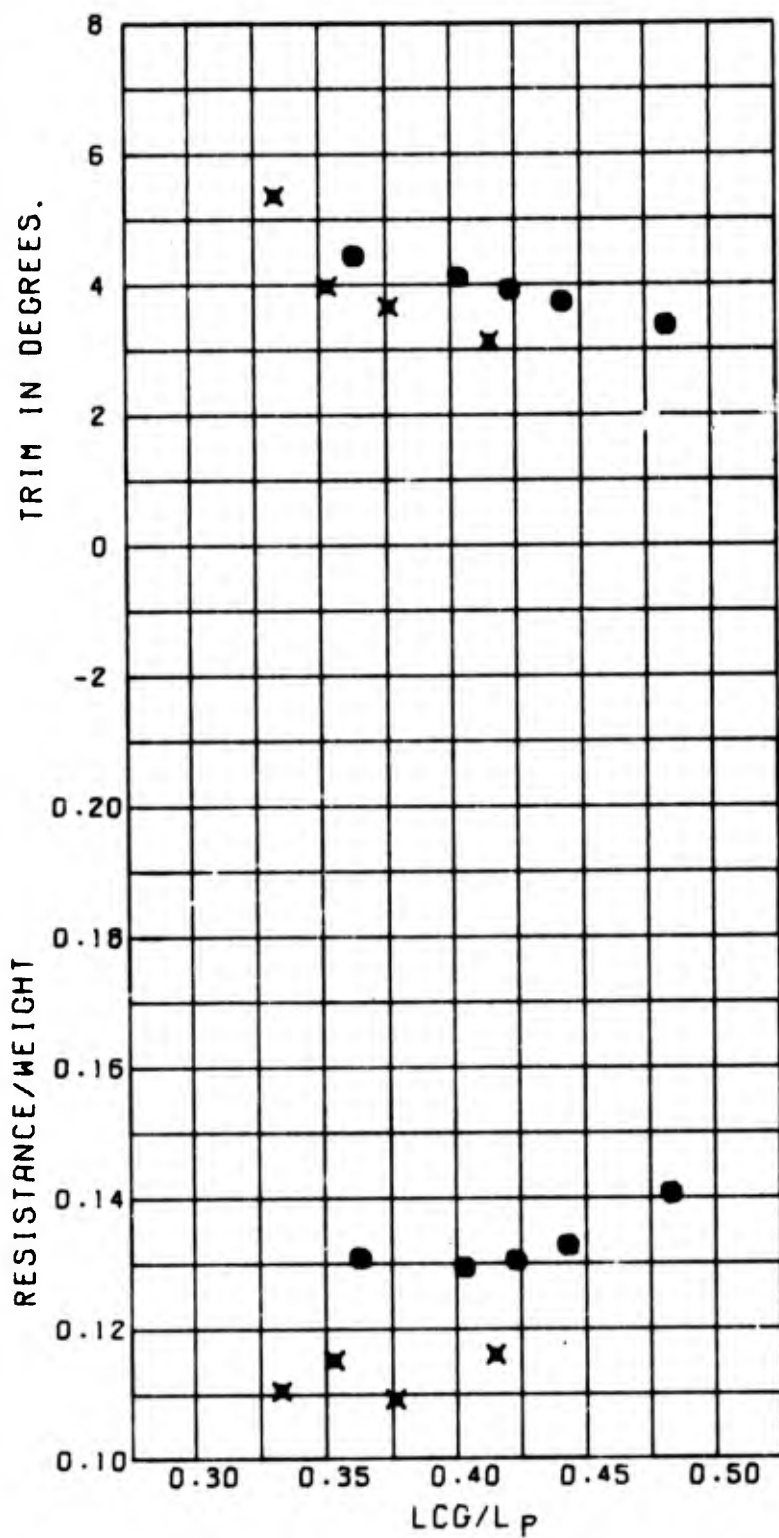
$$F_{NV} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
x	4565	2.00	12.5
●	4666	3.06	12.5
x	DL 62-A	3.06	13.0

$$L_P / \nabla^{1/3} = 5.0$$

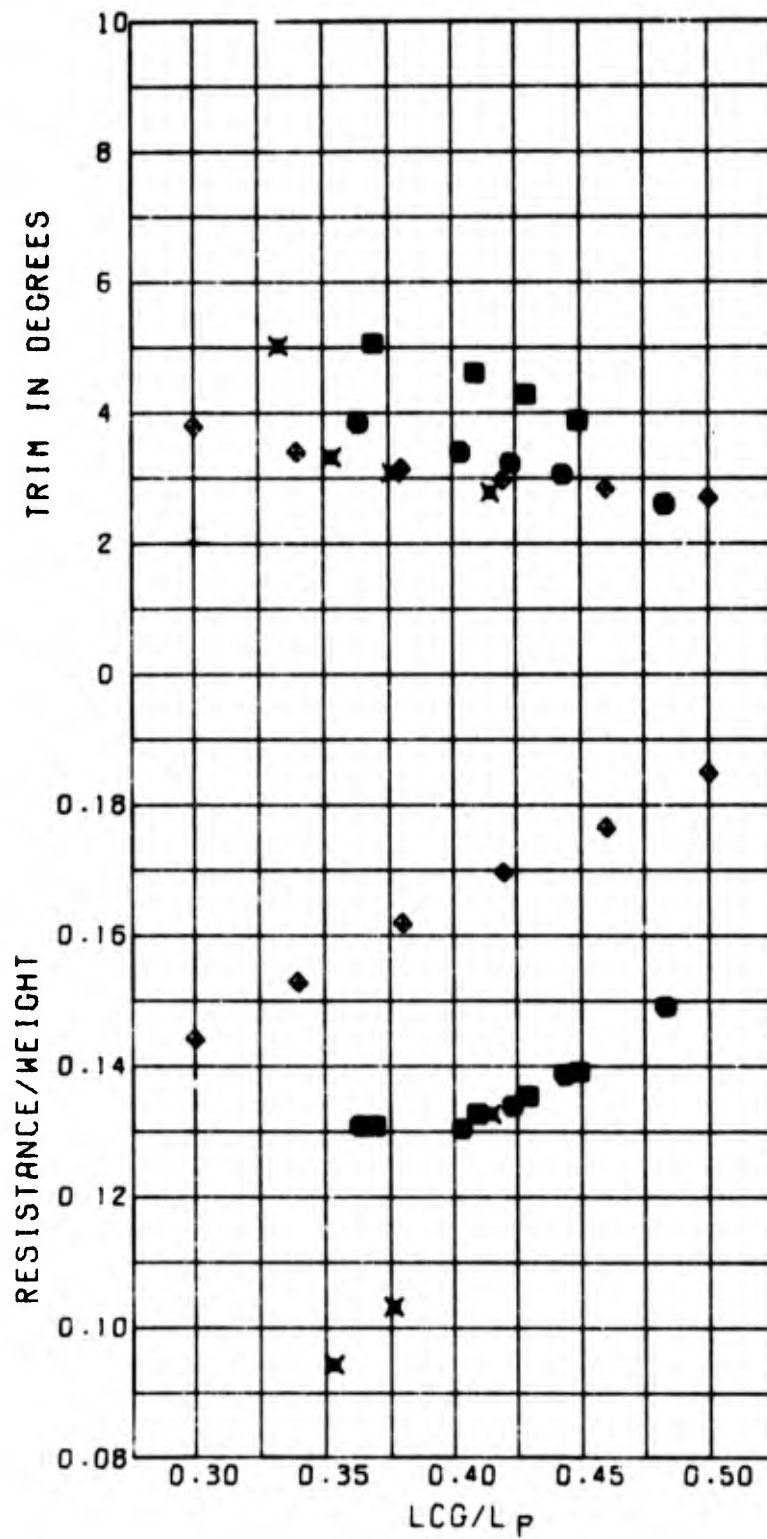
$$F_{N \nabla} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
●	4666	3.06	12.5
×	DL 62-A	3.06	13.0

$$L_P/\nabla^{1/3} = 5.5$$

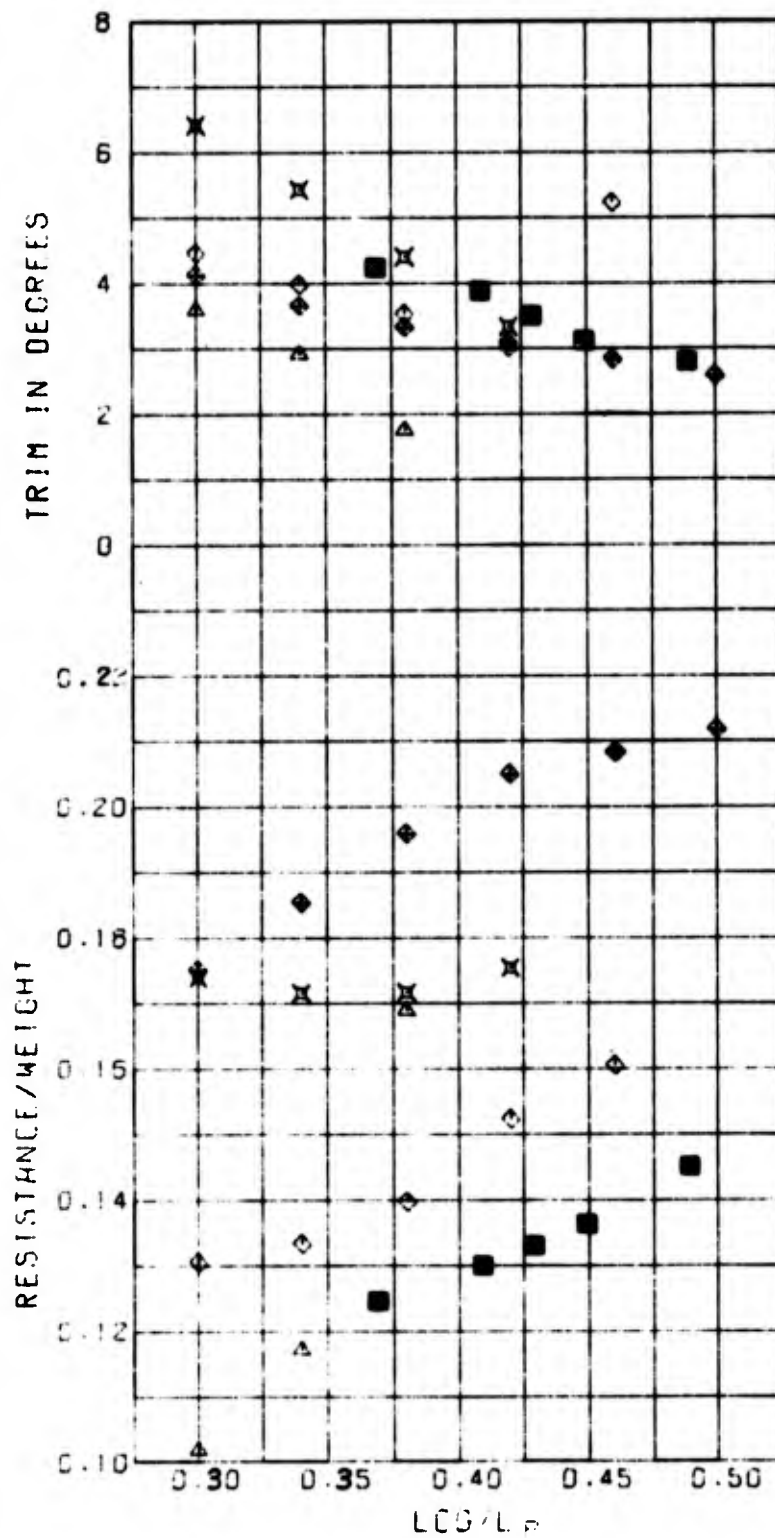
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
●	4666	3.06	12.5
■	4667-1	4.09	12.5
×	DL 62-A	3.06	13.0

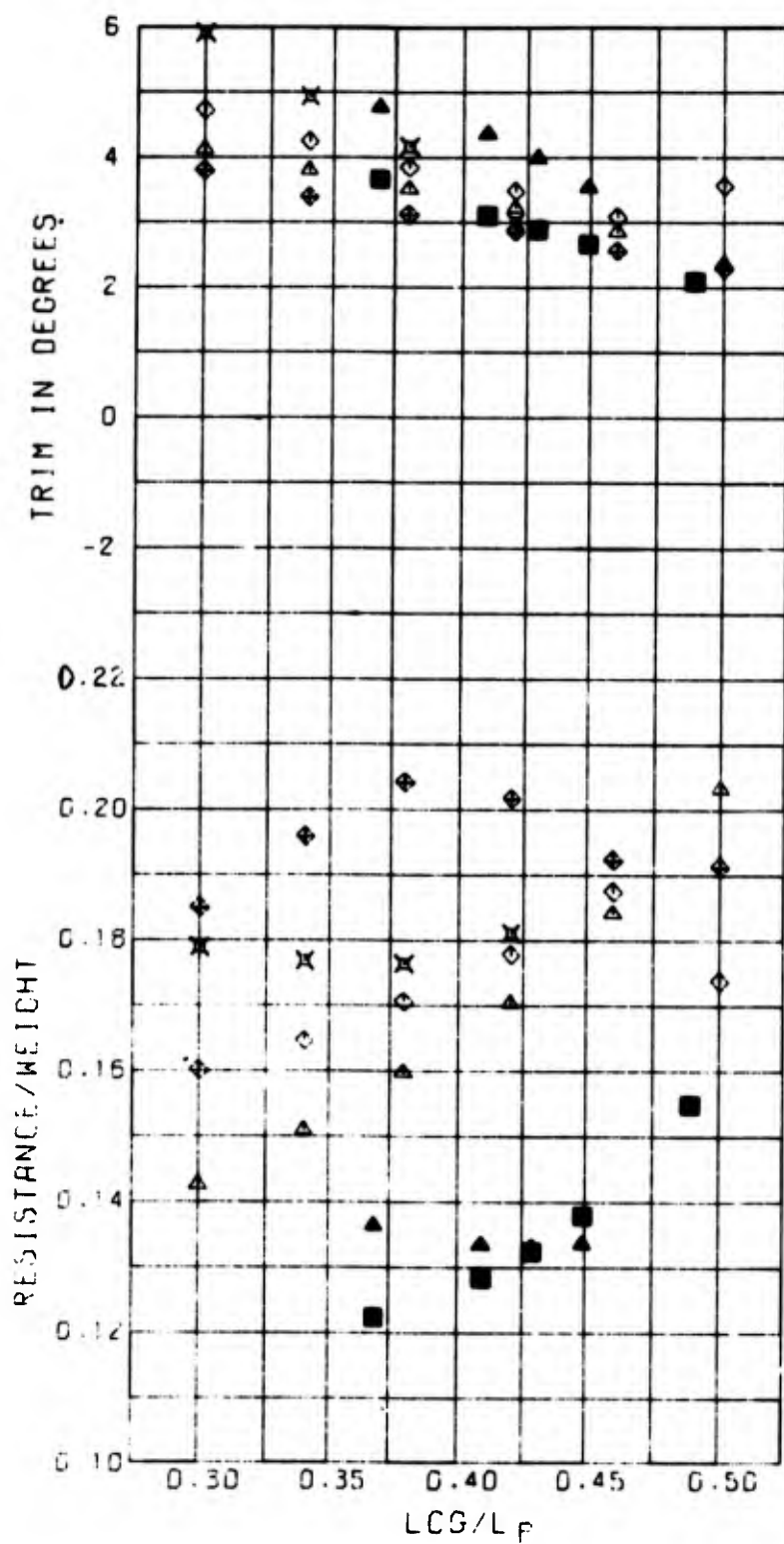
$$L_F/V^{1/3} = 6.0$$

$$F_{NV} = 3.50$$



$$L_P/\nabla^{1/3} = 6.5$$

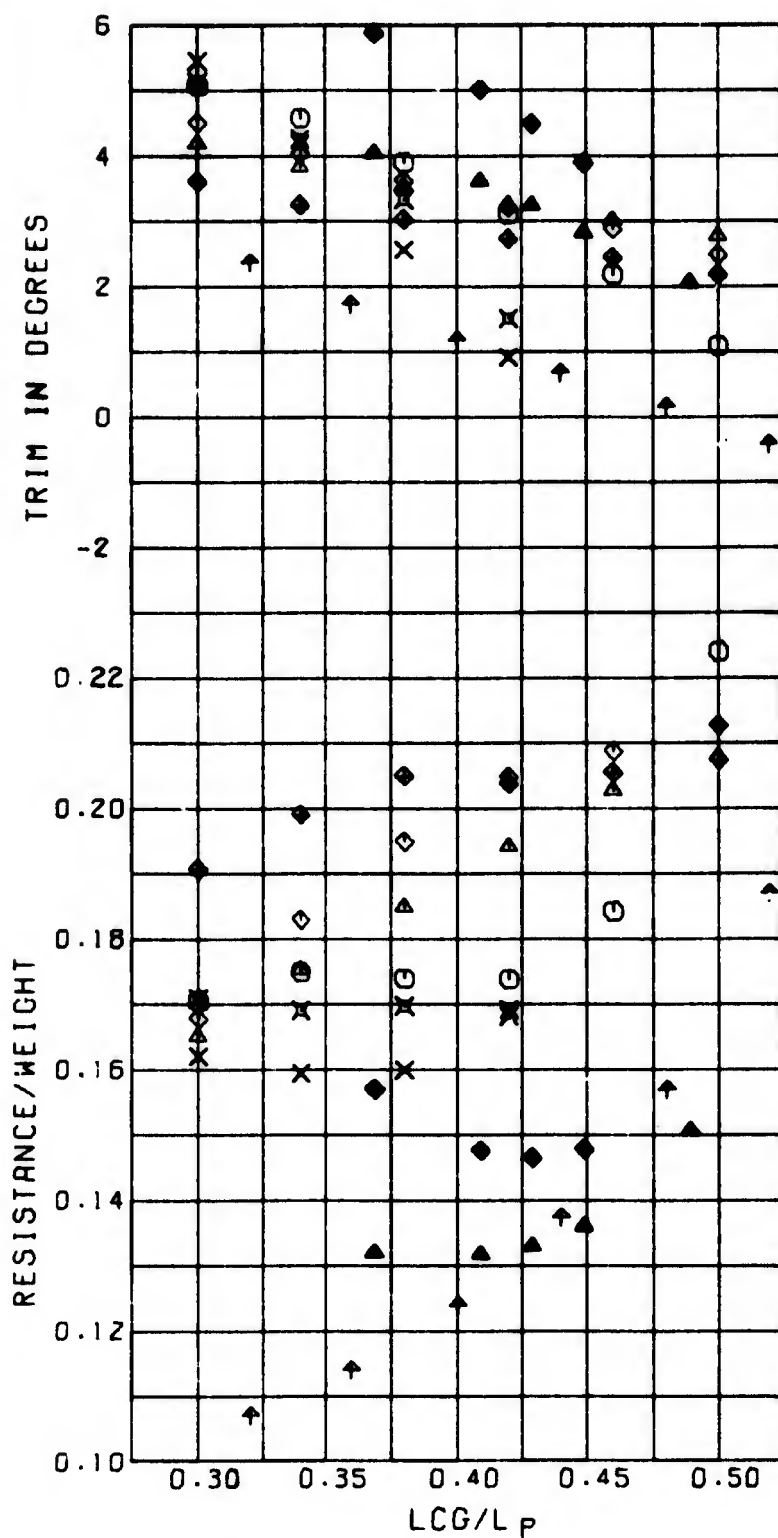
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◆	5237	2.35	16.3
△	5240	3.32	16.3
◇	5186	3.32	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/\nabla^{1/3} = 7.0$$

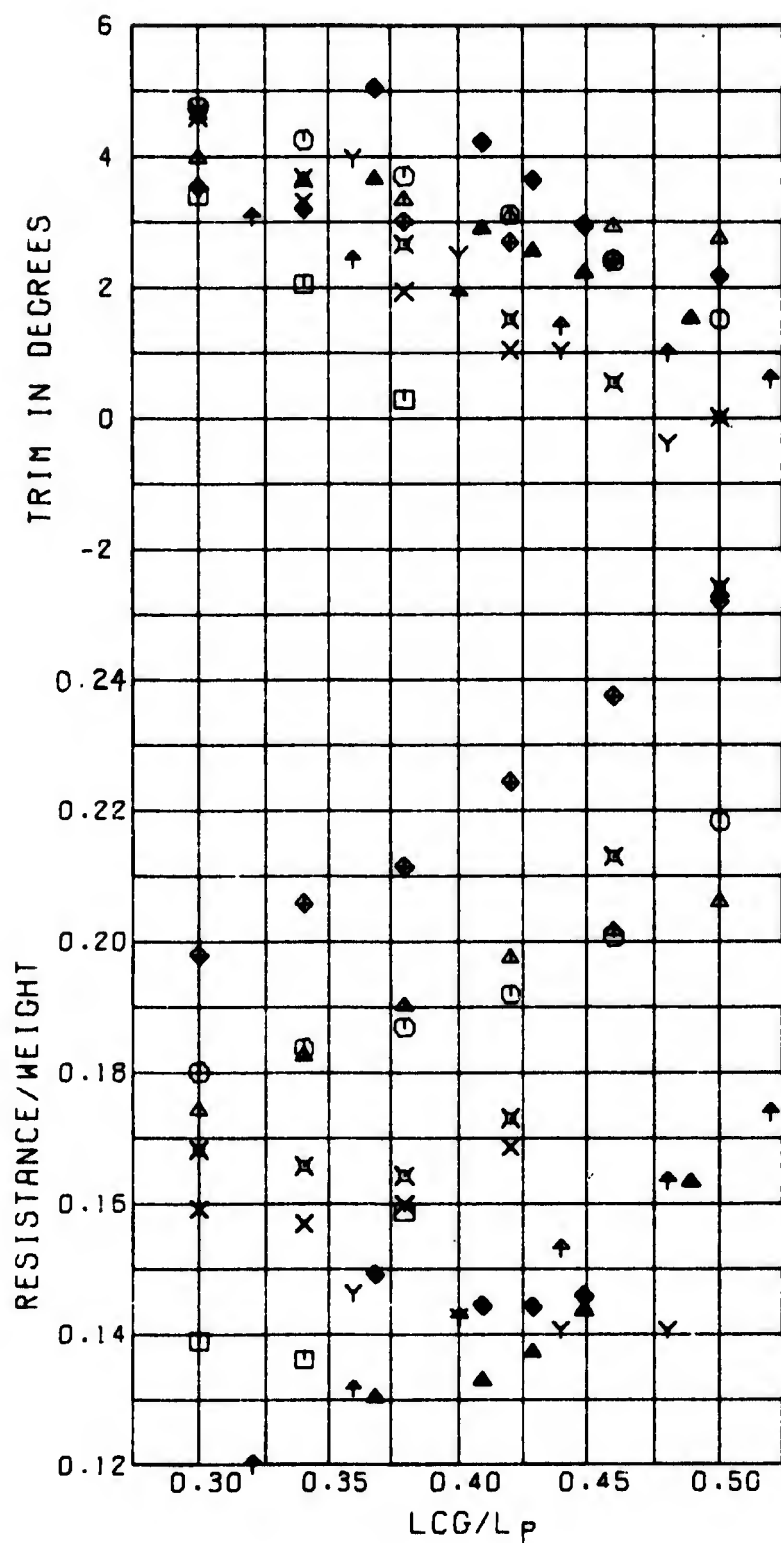
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
◆	5237	2.35	16.3
▲	5240	3.32	16.3
◇	5186	3.32	22.5
⊙	5184	4.69	22.5
×	5167	6.64	22.5
⊗	5236	4.69	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 7.5$$

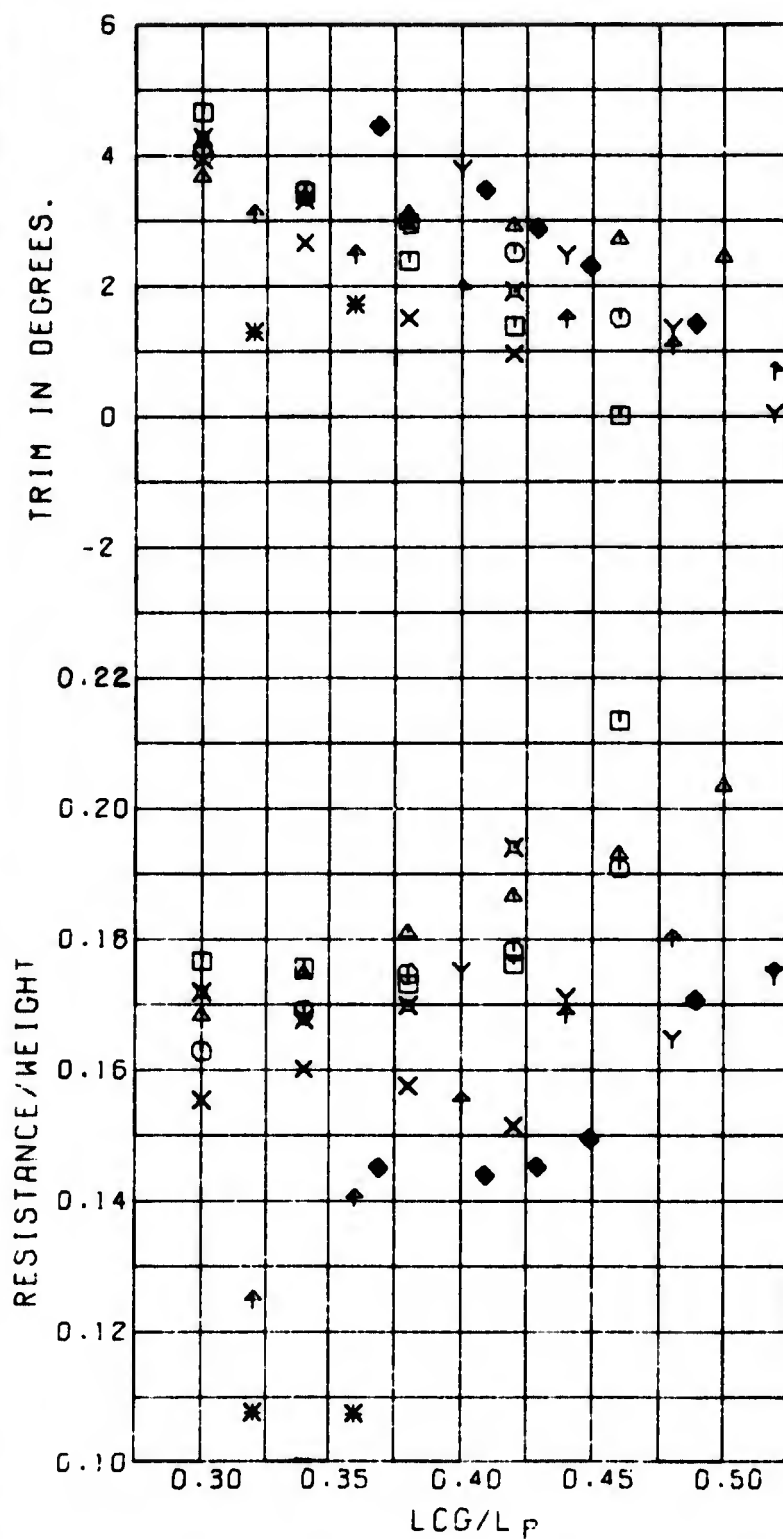
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
Y	5250	6.60	27.7
◆	5237	2.35	16.3
△	5240	3.32	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 8.0$$

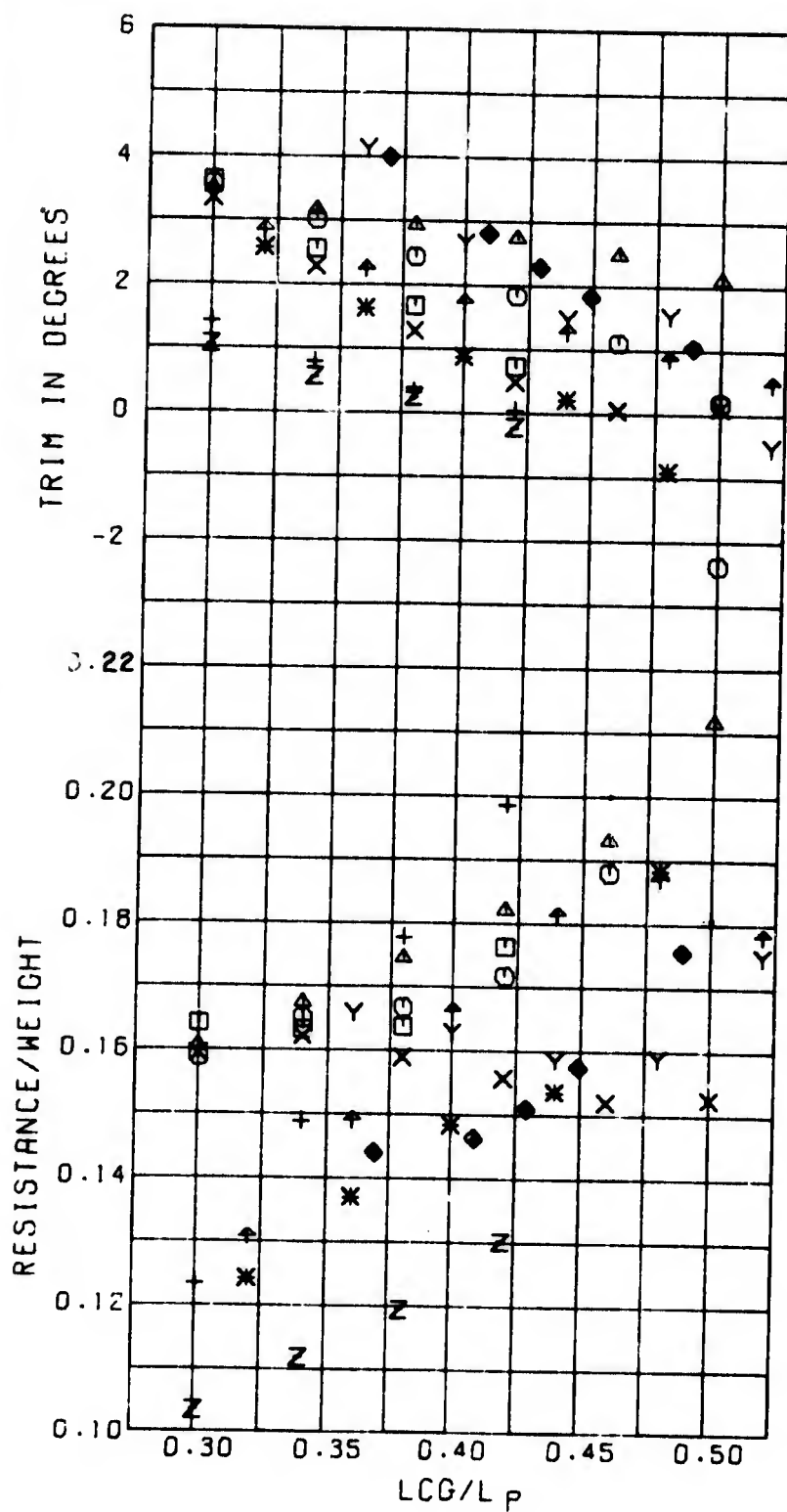
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
✱	5198	4.66	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
✕	5236	4.69	30.4
□	5208	6.64	30.4
◆	4669	7.00	12.5

$$L_p/\nabla^{1/3} = 8.5$$

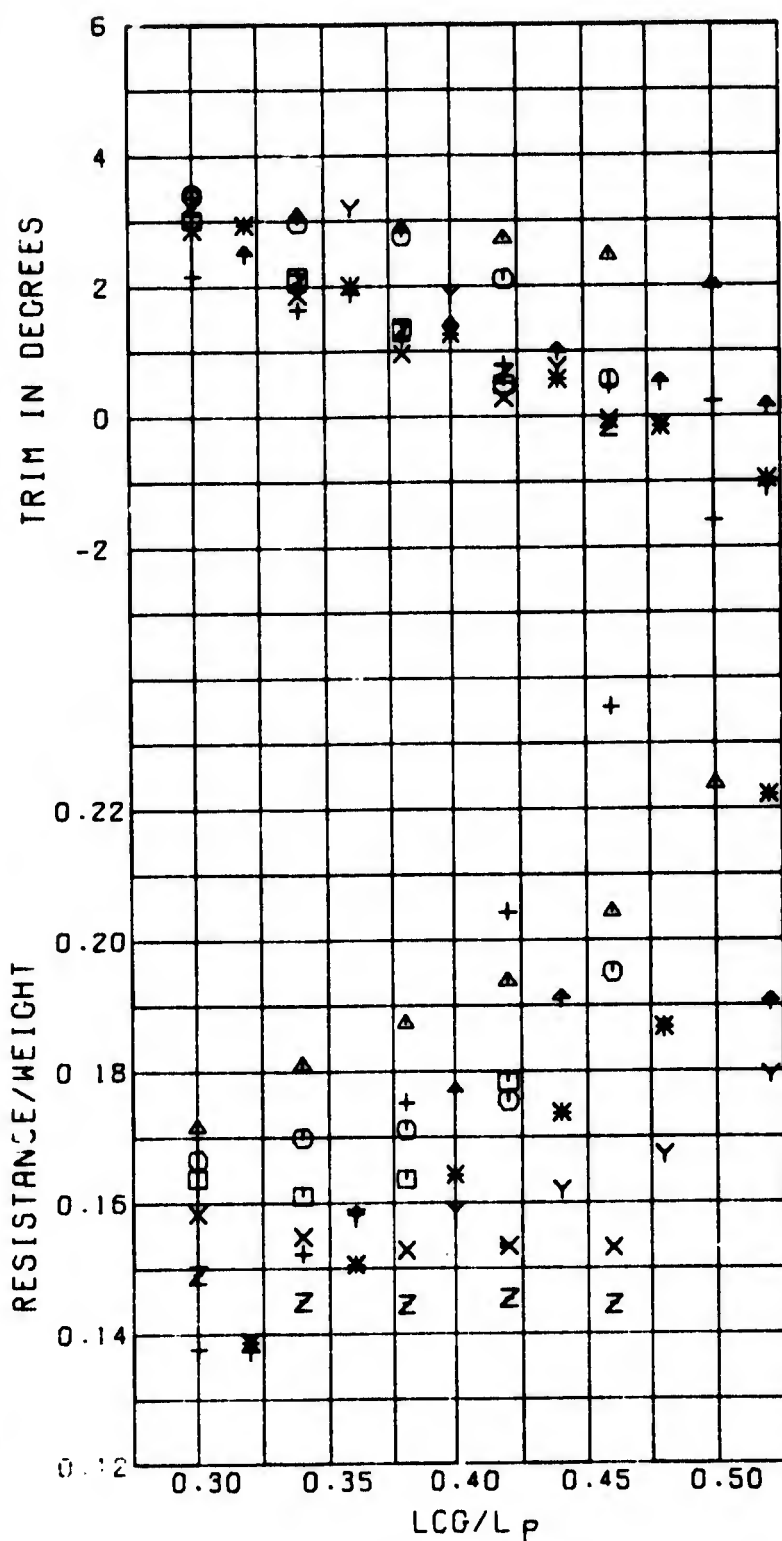
$$F_{N\nabla} = 3.50$$



SYMBOL	MODEL	L_p/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 9.0$$

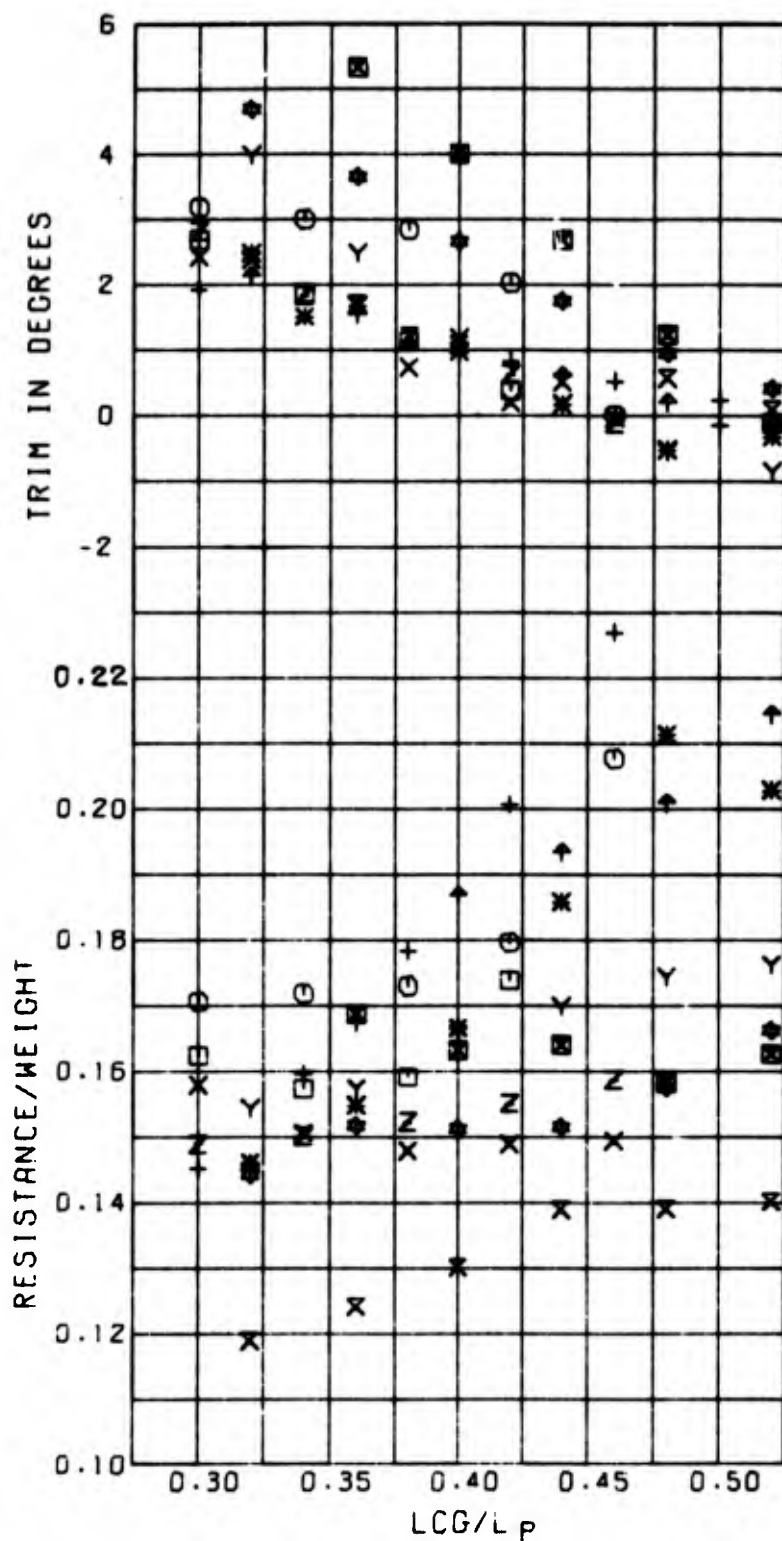
$$F_{NV} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
†	5251	3.30	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
△	5240	3.32	16.3
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

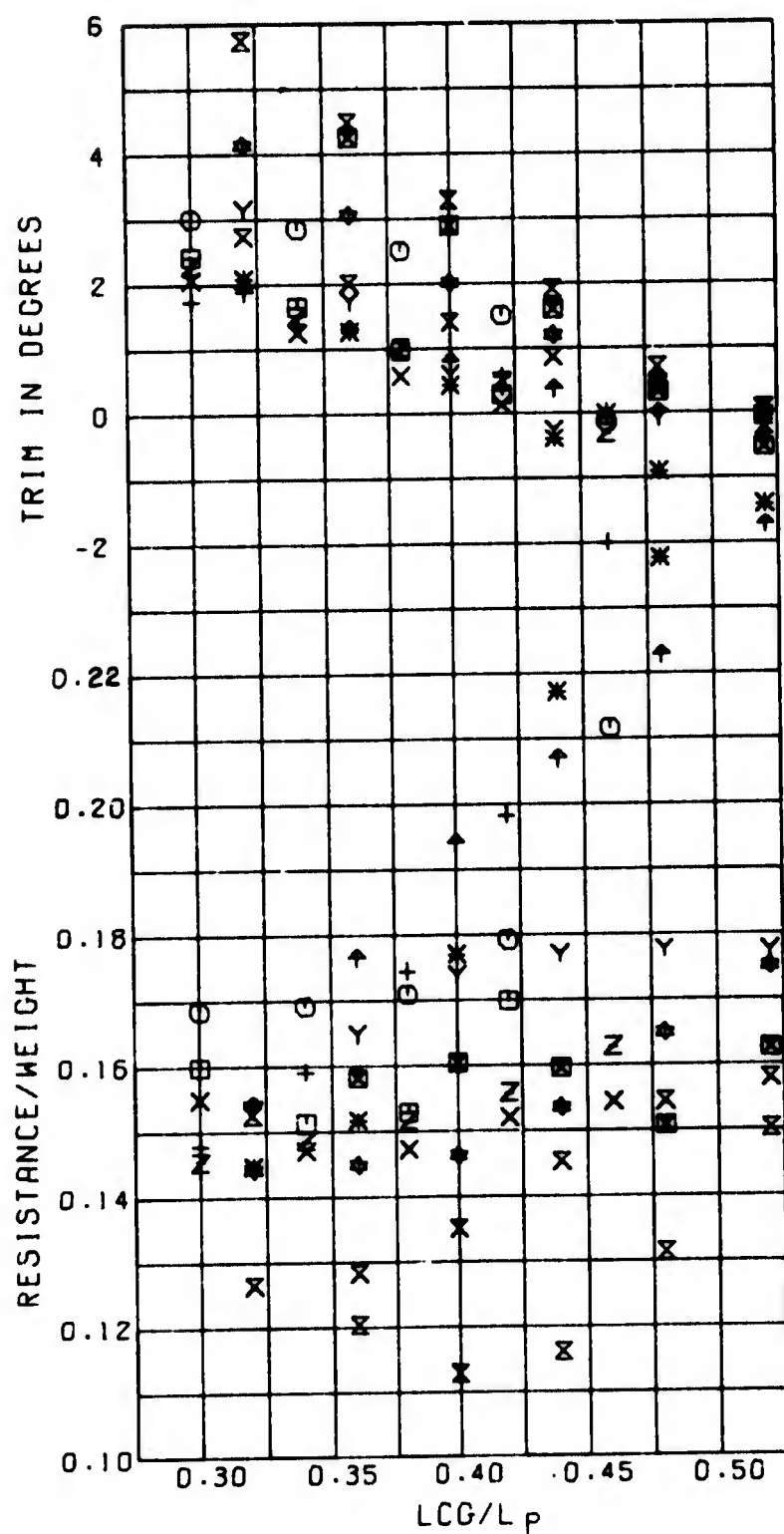
$$L_P/V^{1/3} = 9.5$$

$$F_{NV} = 3.50$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
X	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
Y	5250	6.60	27.7
■	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

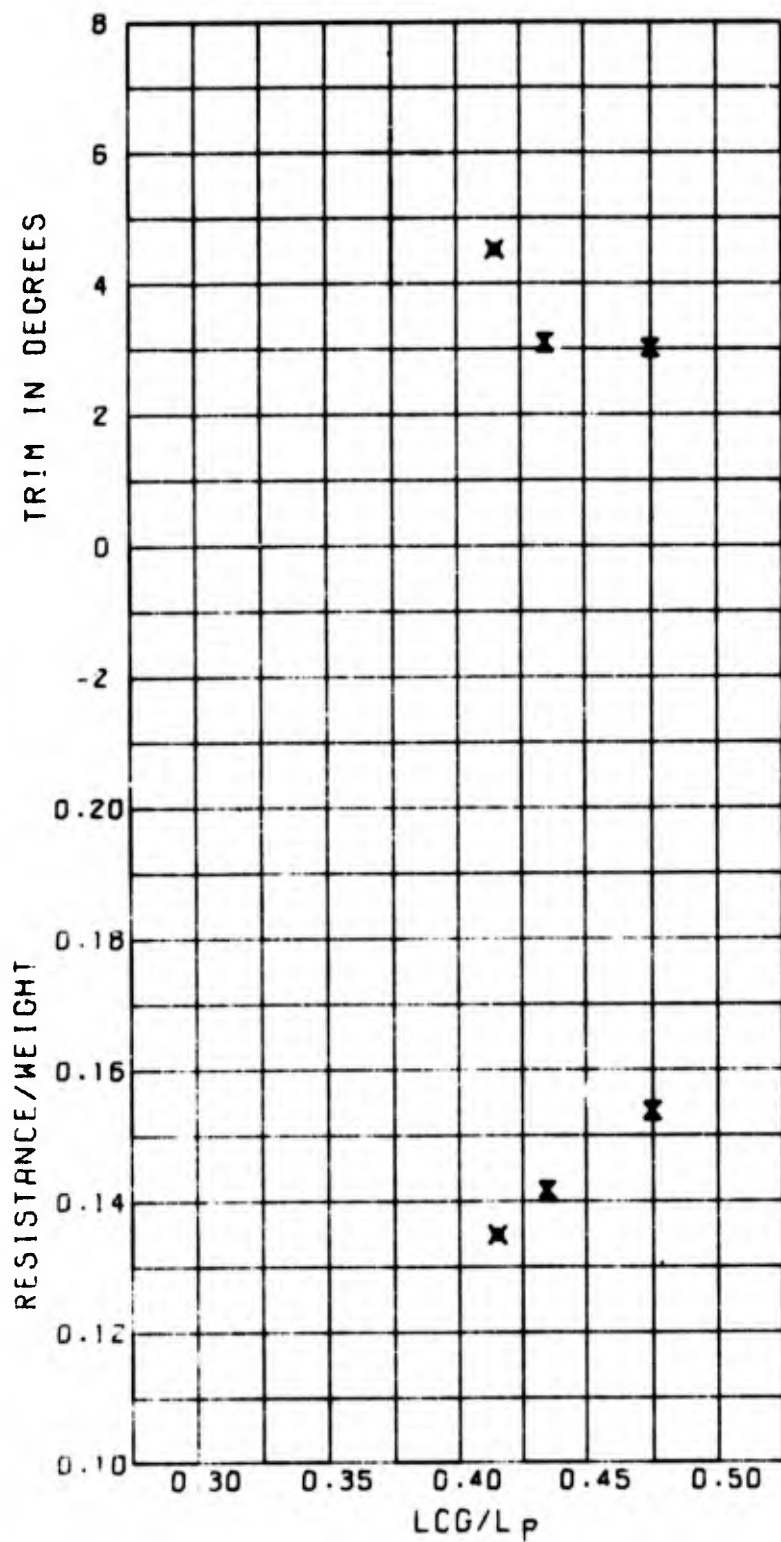
$$L_P/V^{1/3} = 10.0 \quad F_{NV} = 3.50$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
⌵	5204	9.34	20.5
Y	5250	6.60	27.7
▣	5248	9.34	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
▢	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_p/V^{1/3} = 4.0$$

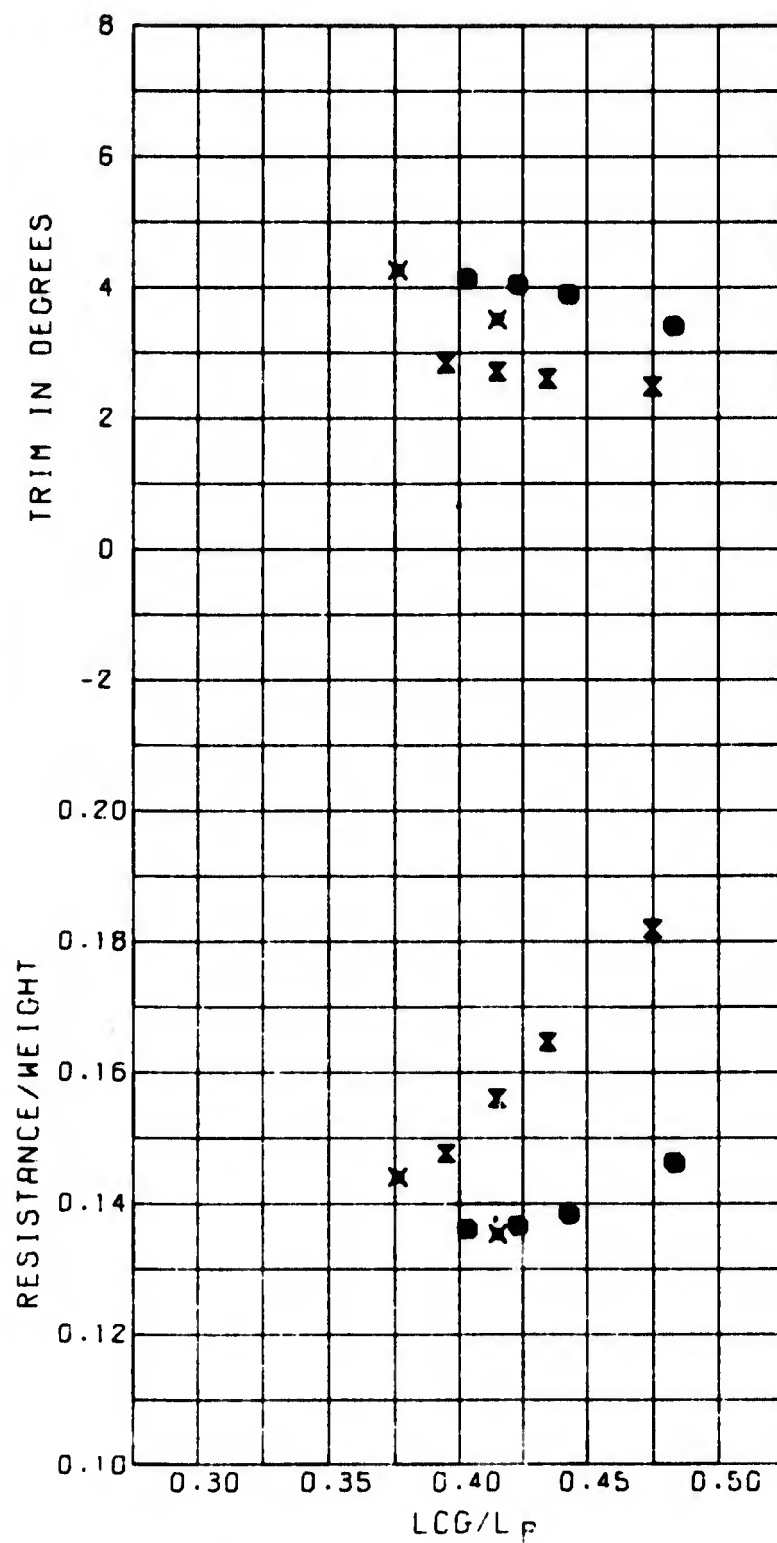
$$F_{NV} = 4.00$$



SYMBOL	MODEL	L_p/B_{PX}	β_T
x	4665	2.00	12.5
x	DL 62-A	3.06	13.0

$$L_P/V^{1/3} = 4.5$$

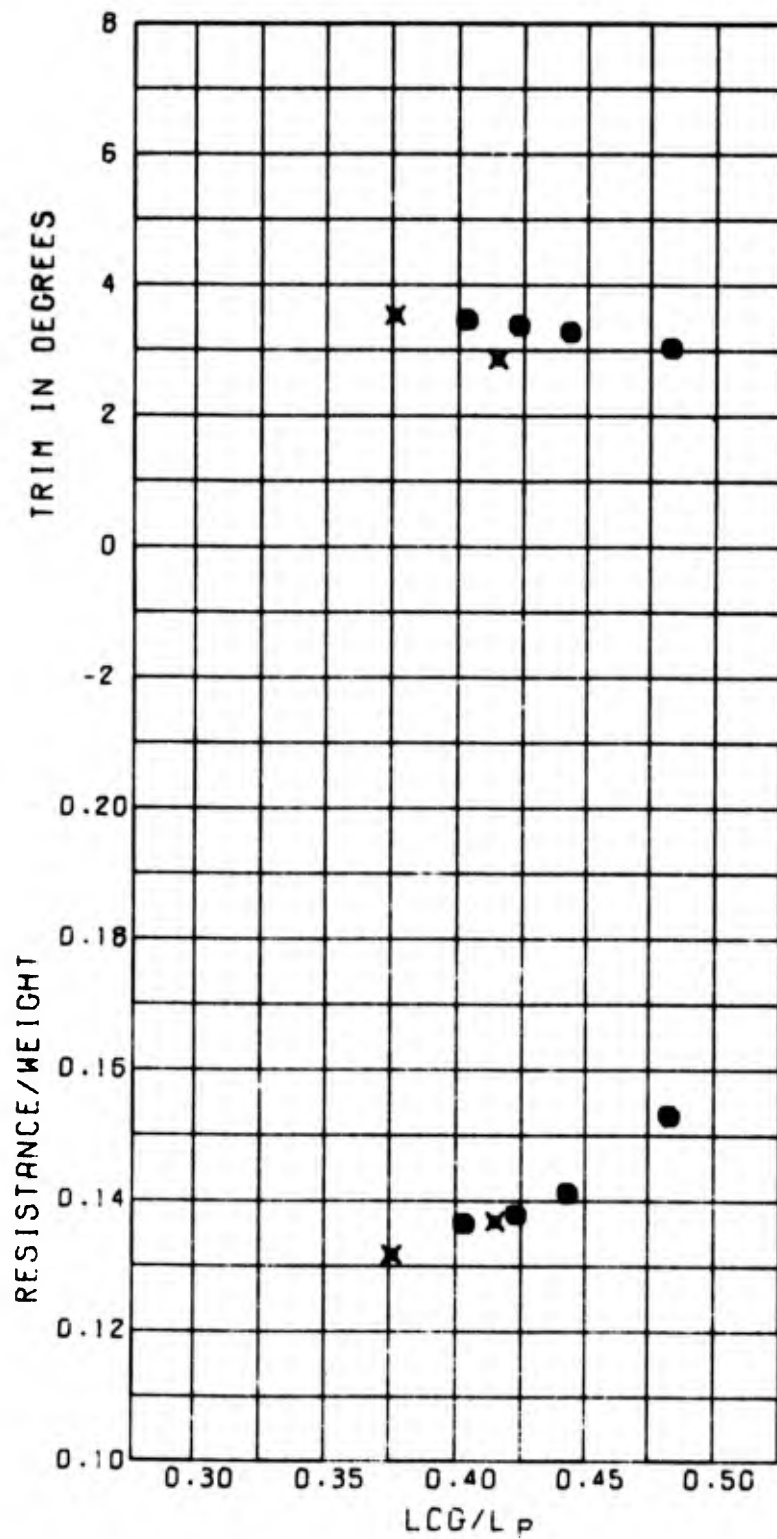
$$F_{NV} = 4.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
×	4665	2.00	12.5
●	4666	3.06	12.5
⊗	DL 62-A	3.06	13.0

$$L_p/V^{1/3} = 5.0$$

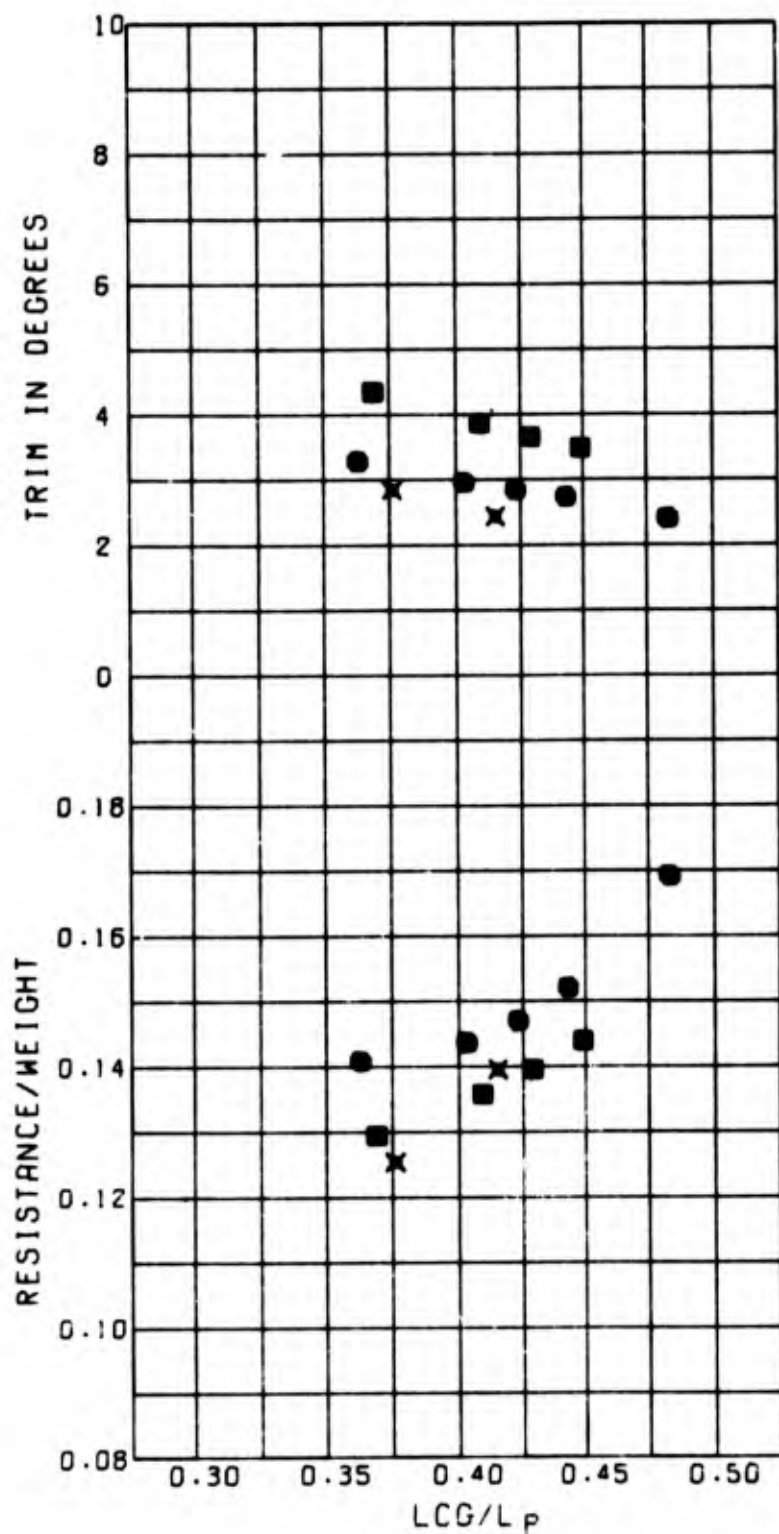
$$F_{NV} = 4.00$$



SYMBOL	MODEL	L_p/B_{PX}	β_T
●	4666	3.06	12.5
×	DL 62-A	3.06	13.0

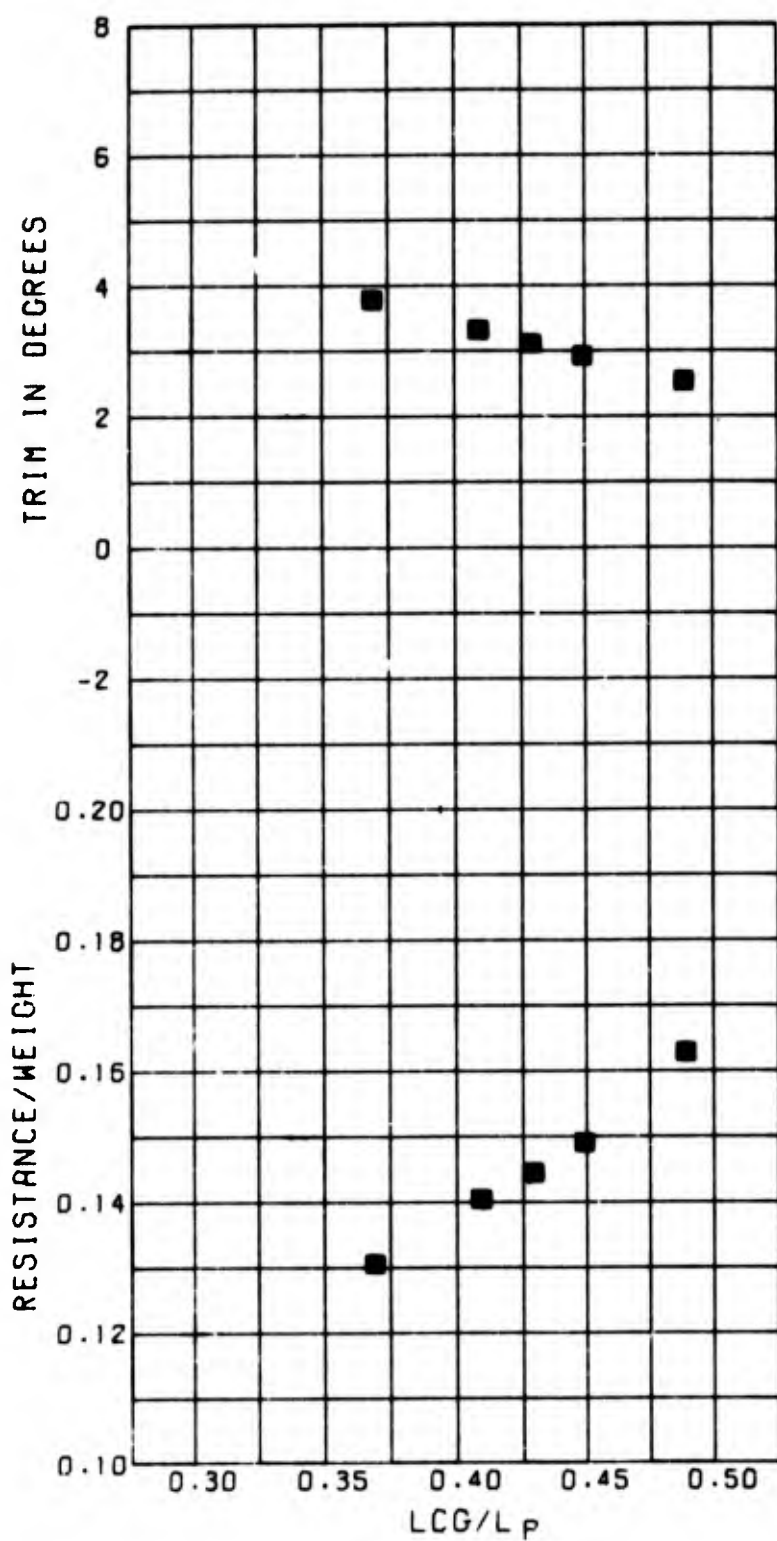
$$L_P/V^{1/3} = 5.5$$

$$F_{NV} = 4.00$$



$$L_P/\nabla^{1/3} = 6.0$$

$$F_{N\nabla} = 4.00$$

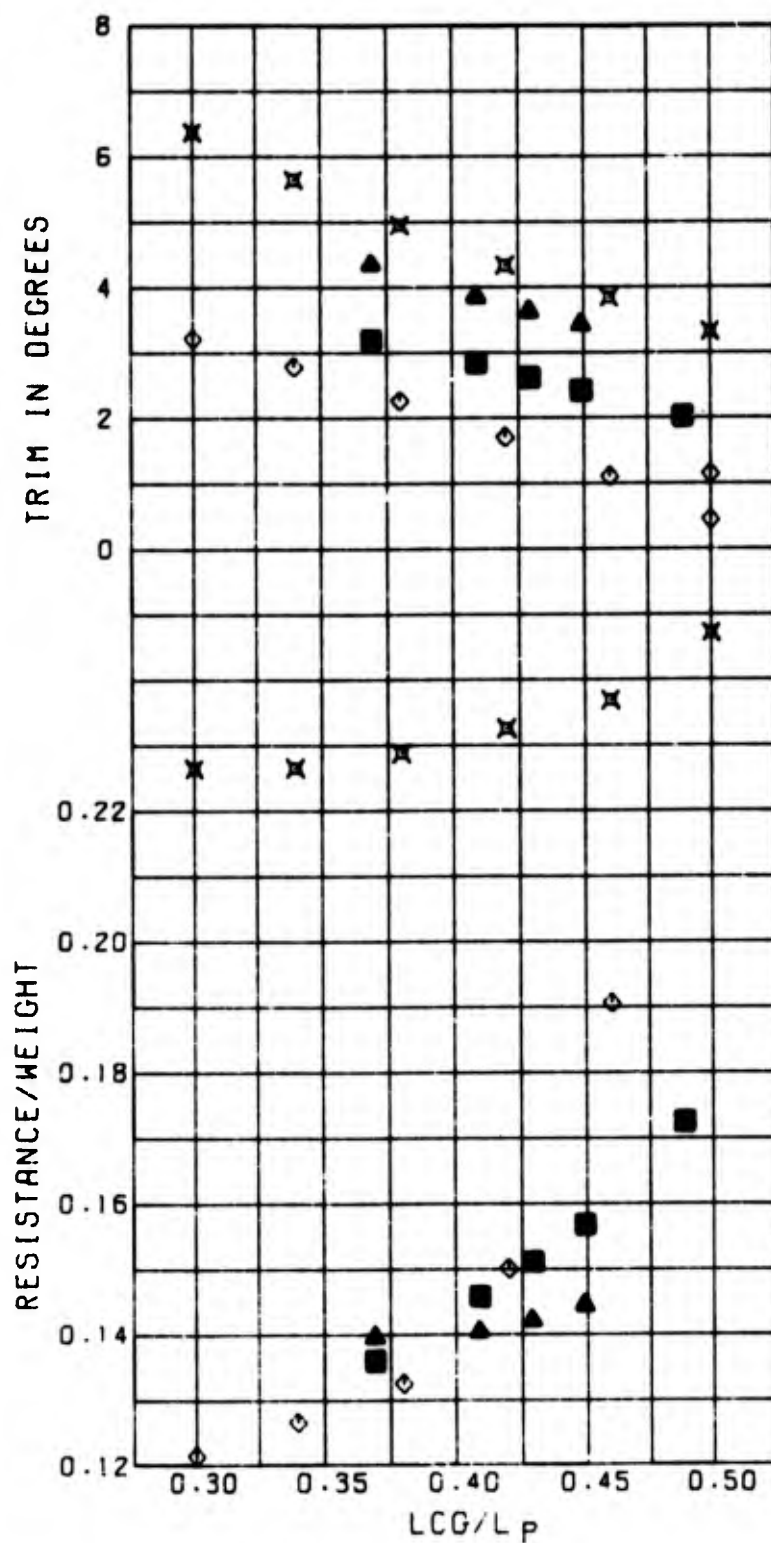


SYMBOL MODEL L_P/B_PX β_T

■ 4667-1 4.09 12.5

$$L_P/\nabla^{1/3} = 6.5$$

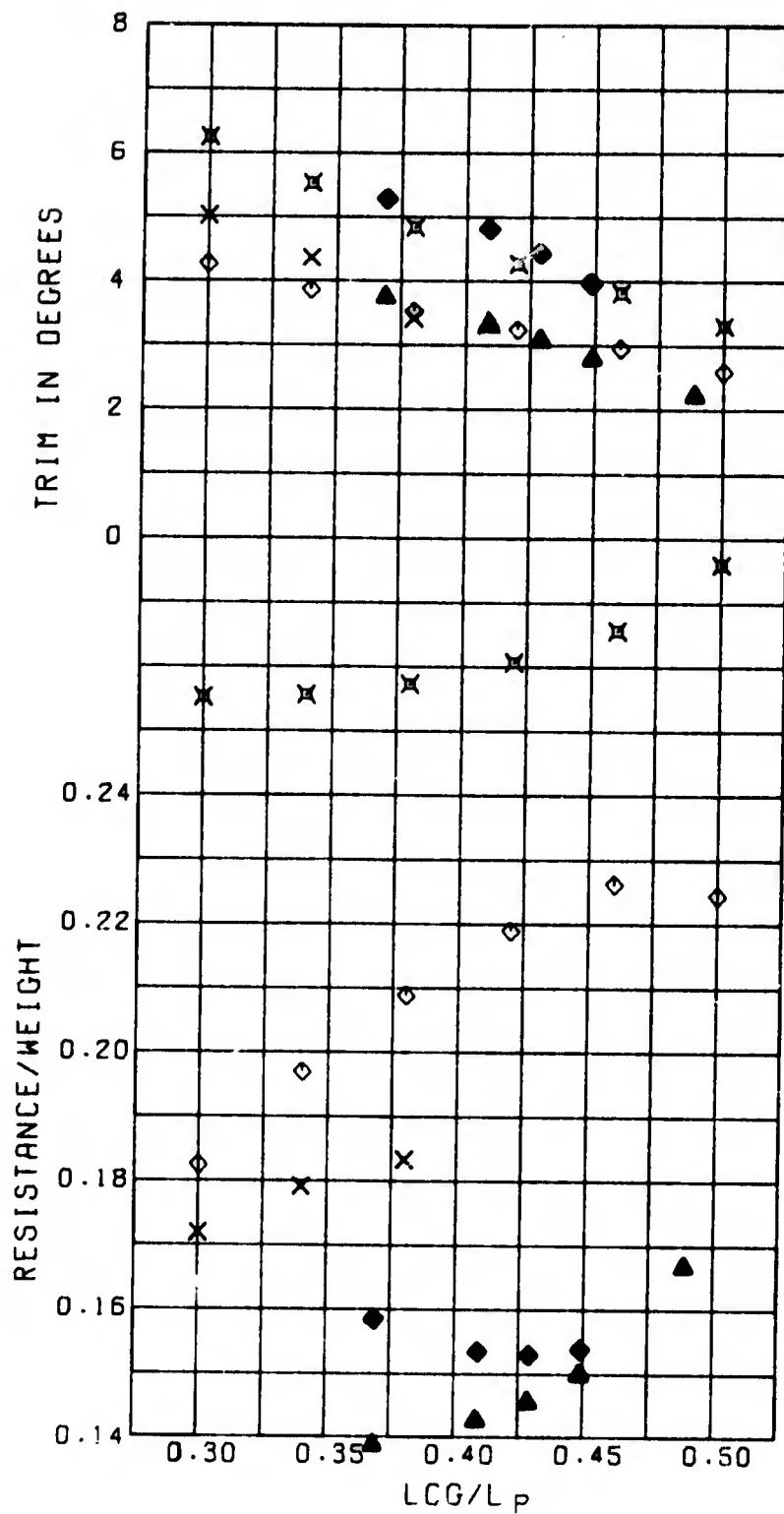
$$F_{N\nabla} = 4.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◇	5186	3.32	22.5
×	5236	4.69	30.4
■	4667-1	4.09	12.5
▲	4668	5.50	12.5

$$L_P/\nabla^{1/3} = 7.0$$

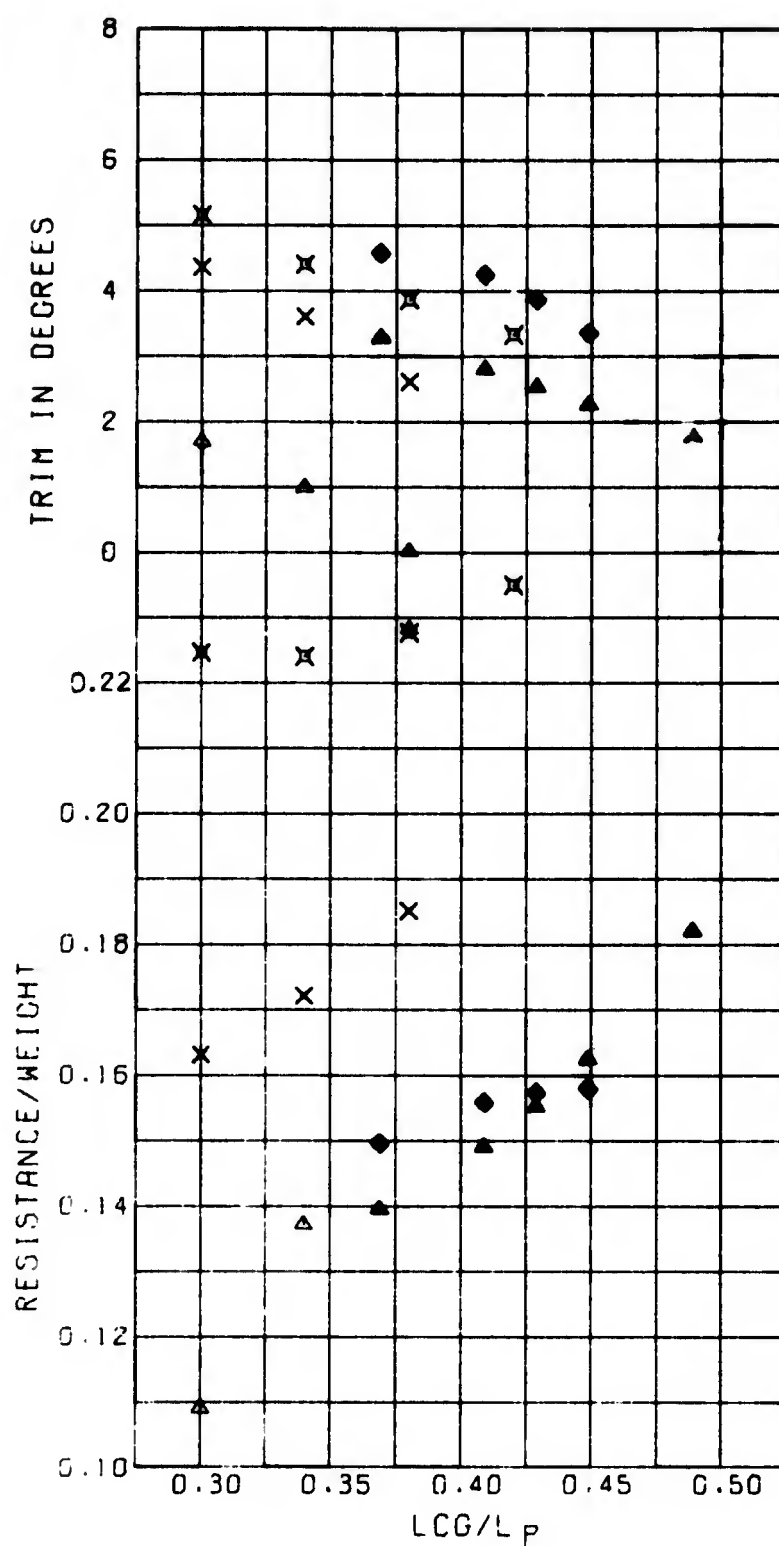
$$F_{N\nabla} = 4.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
◇	5186	3.32	22.5
x	5167	6.64	22.5
⊠	5236	4.69	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/\nabla^{1/3} = 7.5$$

$$F_{N\nabla} = 4.00$$

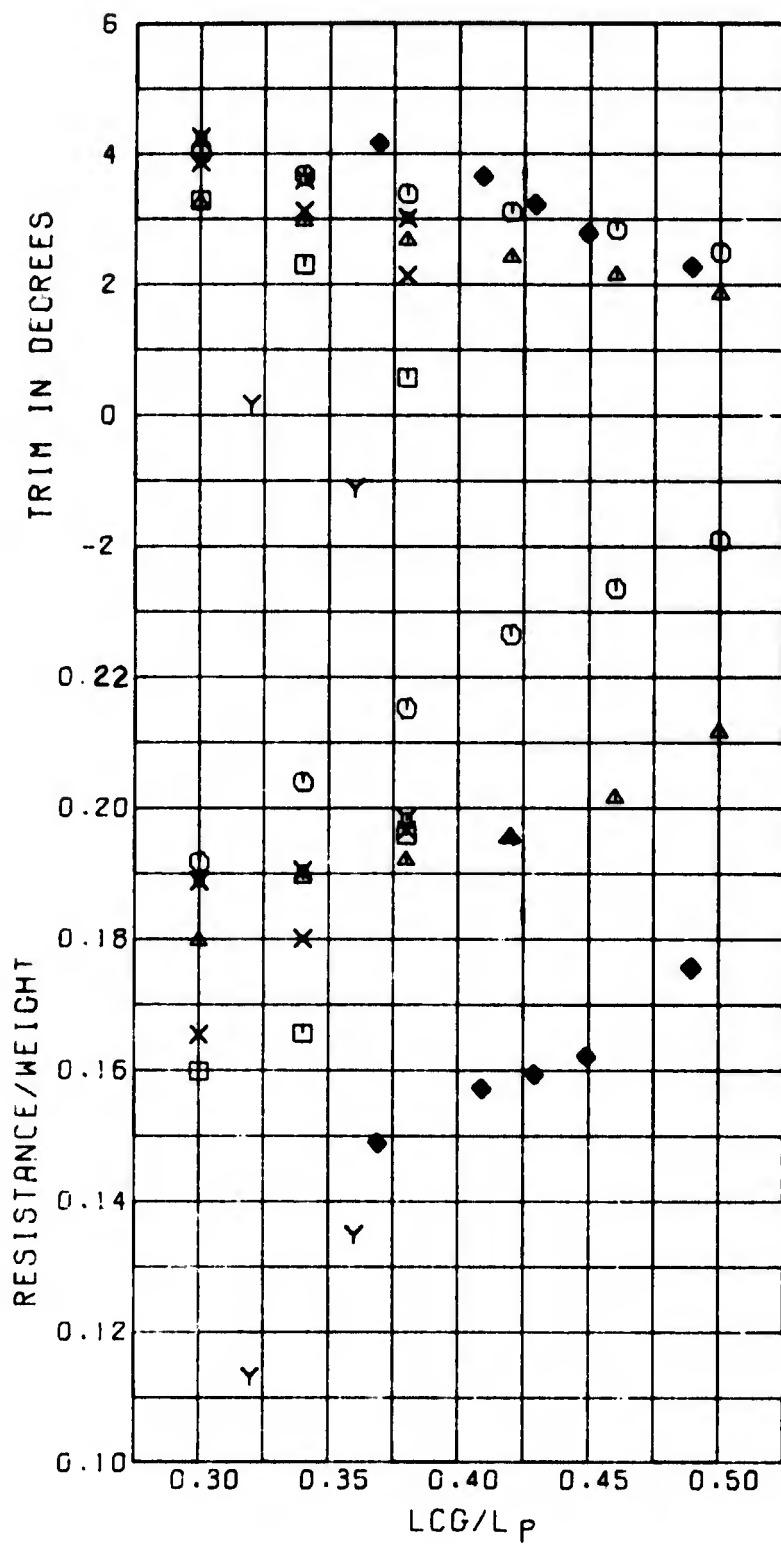


SYMBOL MODEL L_P/B_{PX} β_T

△	5240	3.32	16.3
X	5167	6.64	22.5
✕	5236	4.69	30.4
▲	4668	5.50	12.5
◆	4669	7.00	12.5

$$L_P/V^{1/3} = 8.0$$

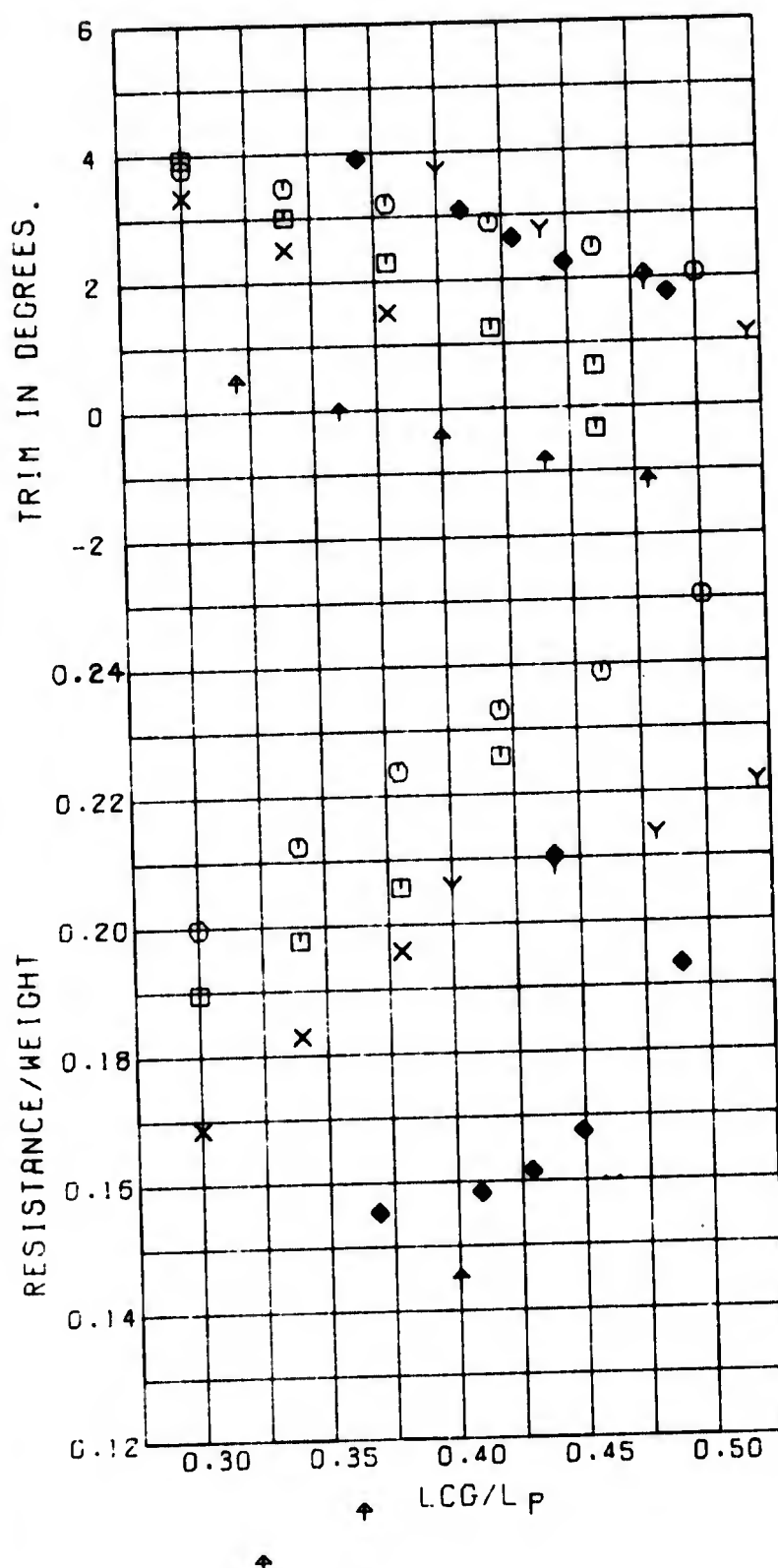
$$F_{NV} = 4.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
Y	5250	6.60	27.7
△	5240	3.32	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
×	5236	4.69	30.4
□	5208	6.64	30.4
◆	4669	7.00	12.5

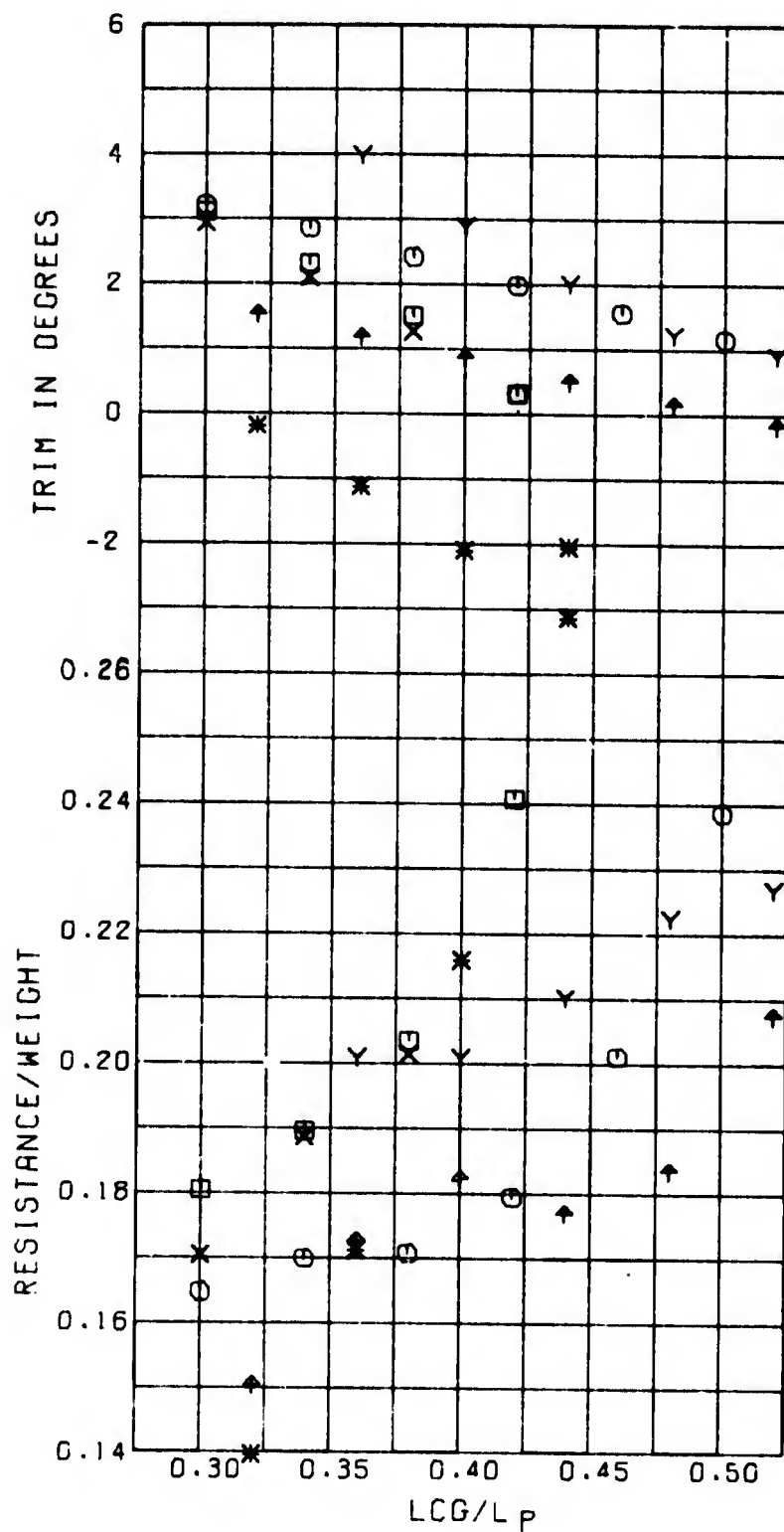
$$L_P / \nabla^{1/3} = 8.5$$

$$F_{N \nabla} = 4.00$$



$$L_P/\nabla^{1/3} = 9.0$$

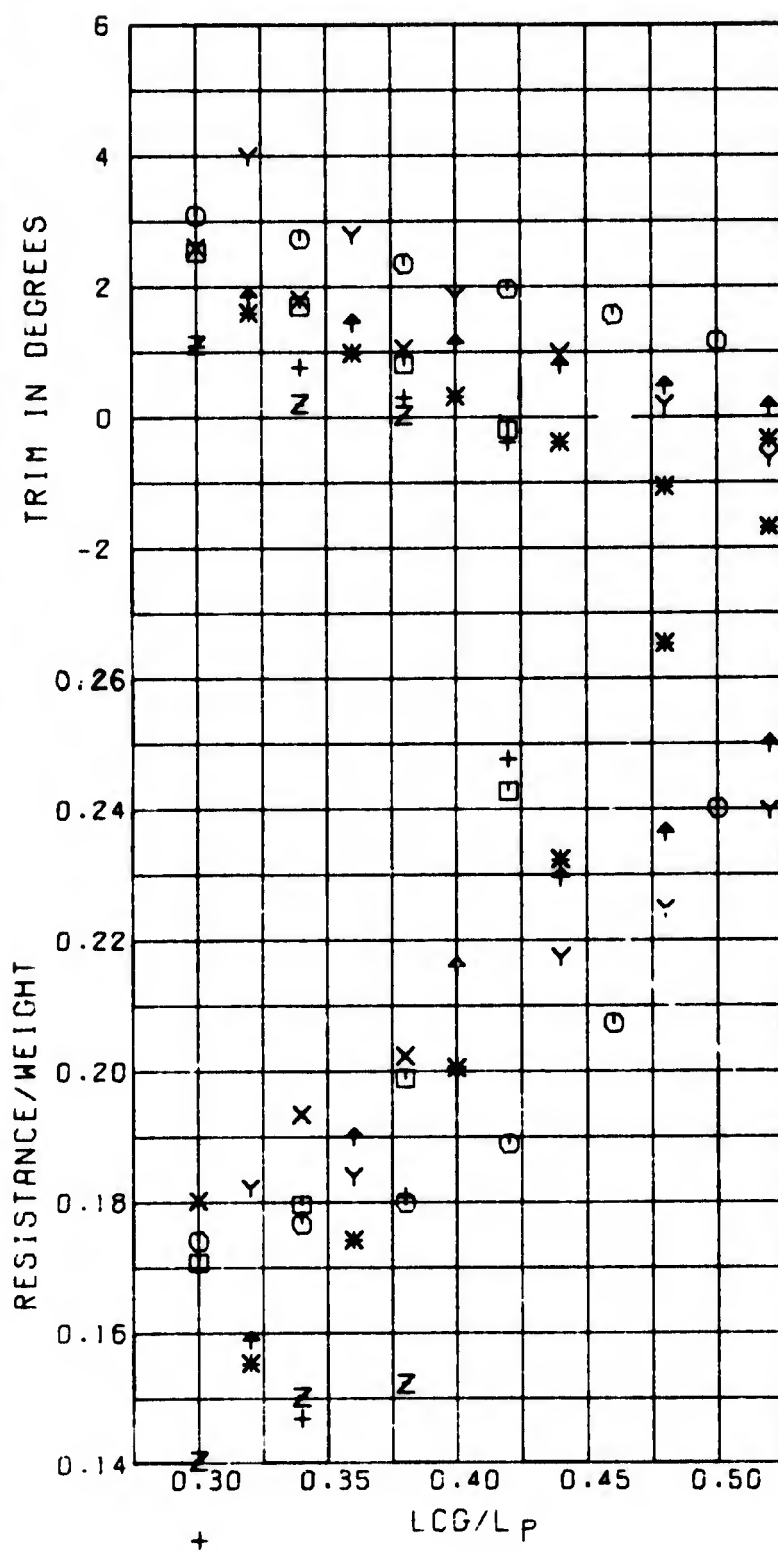
$$F_{N\nabla} = 4.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4

$$L_P/\nabla^{1/3} = 9.5$$

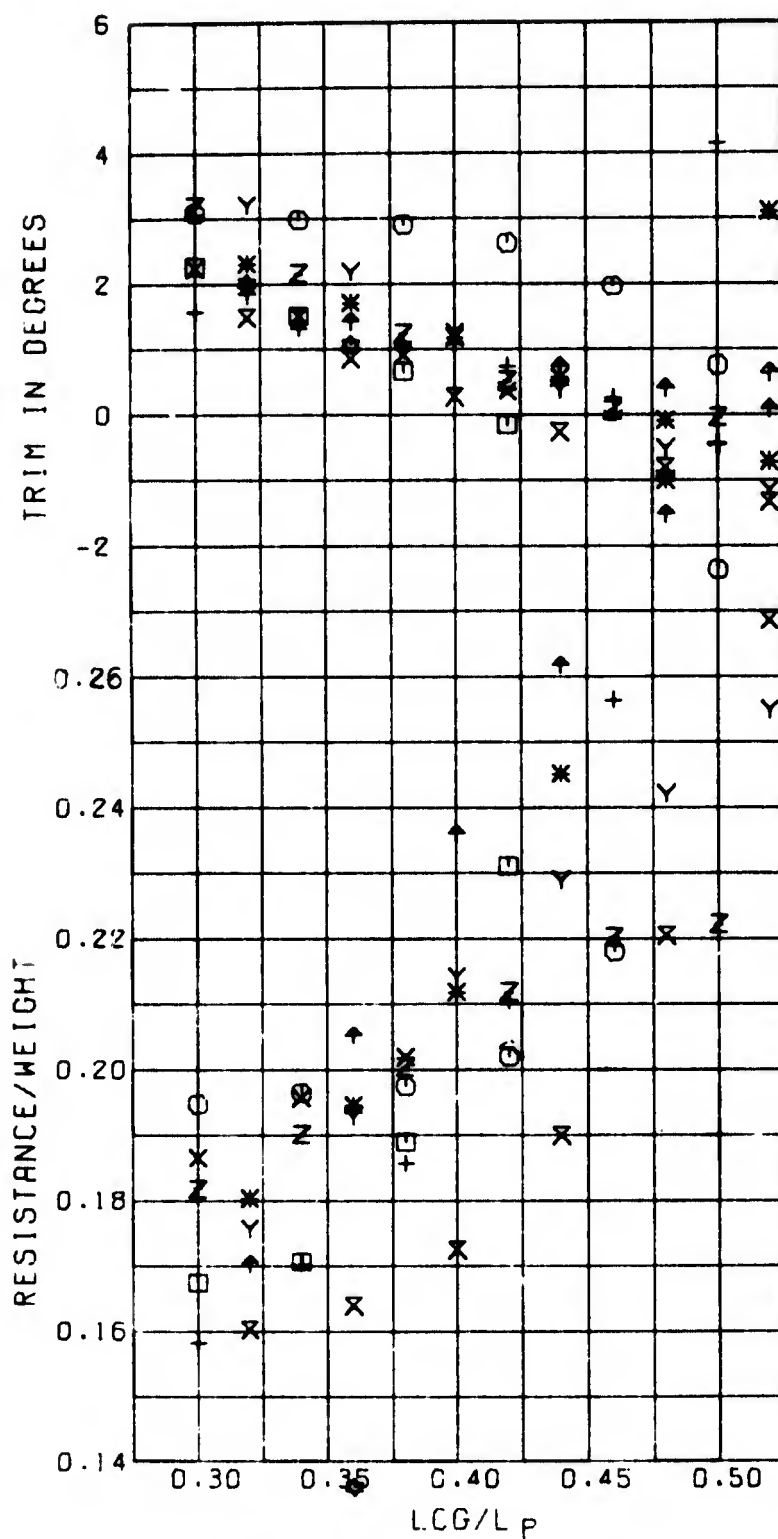
$$F_{N\nabla} = 4.00$$



SYMBOL	MODEL	L_P/B_{PX}	β_T
↑	5251	3.30	14.8
*	5198	4.66	20.5
Y	5250	6.60	27.7
+	5239	4.69	16.3
⊙	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4

$$L_P/V^{1/3} = 10.0$$

$$F_{NV} = 4.00$$



SYMBOL	MODEL	L _P /B _{PX}	β _T
↑	5251	3.30	14.8
×	5249	4.66	14.8
*	5198	4.66	20.5
◆	4966-1	6.60	20.5
Y	5250	6.60	27.7
+	5239	4.69	16.3
○	5184	4.69	22.5
X	5167	6.64	22.5
□	5208	6.64	30.4
Z	5238	9.38	30.4