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AFFDL-TR-79-3152
VOLUME II

PERIPHERAL JET AIR CUSHION LANDING
SYSTEM SPANLOADER AIRCRAFT

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Lockheed-Georgia Company
Marietta, Georgia 30063

December 1979

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Final Report for Period July 1979 - December 1979

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Inherent in the design optimization of wing span-distributed load (spanloader) aircraft is the lack of ground operational down bending load reaction capability of the wing structure. It is necessary to provide a means to react these down bending loads if the wing structural weight is minimized. Recent studies have provided wide tread landing gears as a means to react these down bending loads, limiting the operational capability of the aircraft where the tread width exceeds most existing airport taxiway or runway widths. This study		

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examines the feasibility of replacing the wide tread gear with a peripheral jet air cushion landing system (PJ-ACLS) in combination with a minimum tread (75 feet) width gear. The PJ-ACLS is located adjacent to the wing tip and is used primarily as wing down bending load reaction device. The minimum tread width gear is retained to simplify takeoff and landing procedures and to reduce the magnitude of the lift required from the PJ-ACLS.



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FOREWORD

The data contained herein are furnished in response to Air Force Flight Dynamics Laboratory, Air Force Aeronautical Systems Division Contract F33615-79-C-3029, "Peripheral Jet Air Cushion Landing System (PJ-ACLS) - Spanloader Aircraft," Project 2404, Task 01, July thru December 1979. The technical response is contained within two volumes. Volume I contains the basic PJ-ACLS sizing and performance evaluation. Volume II data are the output of a computerized PJ-ACLS performance program.

The Air Force program manager of the PJ-ACLS study was Dr. Squire Brown (AFFDL/FXB). The Lockheed effort was under the direction of J. W. Moore. Those persons directly responsible for the analysis are L. Barnett, B. T. Farmer, E. E. McBride, R. I. Reynolds, and R. E. Stephens.

Program management of the PJ-ACLS study resides in the Advanced Concepts Department, R. H. Lange, Manager, of the Lockheed-Georgia Advanced Design Division, Marietta, Georgia.

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PJ - ACLS
SYMBOL IDENTIFICATION

1. L/A = Total Lift/Cushion Area
2. H/W = Cushion Height/Cushion Width
3. HP = Air Horsepower/Cushion
4. PJ = Jet Pressure (psf)
5. QJ = Cushion Airflow (cfs)
6. A = Augmentation Ratio
7. SHP/ENG = Shaft Horsepower/Engine
8. SHP TOTAL = Total Installed Engine Shaft Horsepower
9. No. FAN = Number of Fans/Aircraft
10. NO/Seg = Required Fans per Cushion Segment
11. LIMIT/Seg = Max Number Fans Per Cushion Segment (Space Limit)
12. VTIP = Fan Tip Speed (fps) (800 fps limit)
13. WTFAN = Centrifugal Fan Weight/Aircraft
14. WTGB = Gear Box Weight/Aircraft
15. WTTS = Turboshift Engine Weight/Aircraft
16. WT AIRU = Uninstalled Air System Weight/Aircraft (Item 13 + Item 14 + Item 15)
17. WT AIRI = Installed Air System Weight/Aircraft
18. WFUEL = Cushion Fuel Weight (15 mins)
19. WT TIP GEAR = Tip Gear Weight/Aircraft
20. WT MAIN GEAR = Main Gear Weight/Aircraft
21. WT WING = Wing Structural Weight/Aircraft
22. WT SYS = (Item 17 + Item 18 + Item 19)
23. WT STRUCT = (Item 20 + Item 21)
24. Total Weight = (Item 22 + Item 23)
25. Δ Weight = (Item 24 - 351,383 lb)

SECTION 1.0

INTRODUCTION

The data contained within Volume II are the output of a computerized Peripheral Jet Air Cushion Landing System performance program. The input matrix evaluated is as follows:

Cushion Length (% b/2)	10, 20, 30, 40, and 50
Cushion Load or Lift (% GW)	2.5, 5.0, 7.5, 10.0, and 15.0
Jet Toe-in Angle (θ) Degrees	15, 30, 45, and 60
Jet Thickness (t) Inches	2, 4, 6, 8, and 10

Where: b = 216 feet, GW = 1,498,000 lbs and cushion
width = 27.5 feet

These input data are evaluated for the baseline Spanloader configuration and for an assumed configuration where cushion and landing gear height dimensions are reduced by 40 inches to represent a configuration which incorporates a "flat bottom" airfoil shape.

Input data sheets located at the beginning of each data run are read as follows:

<u>CARD</u>	<u>DATA</u>
000001	Gross weight, cushion area, cushion length to cushion width ratio, cushion area
000002	Program code data, cushion length
000003	Cushion Load (% GW)
000004	Cushion Height (in.)
000005	Cushion Jet Thickness (in.)
000006	Jet Toe-in Angle (θ degrees)
000007	Cushion Load (% GW)
000008	Landing Gear Height (in.)
000009	Cushion Load (% GW)
000010	Wing Weight

31.1.1.210

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000001	000	1498000.	594.	0.785	330.		
000002	000	060509060610			108 SEMISPAN		
000003	000	.025	.050	0.075	.10	.130	.15
000004	000	83.2	74.2	77.	73.9	70.	90.
000005	000	2.	4.	6.	8.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	0.075	.10	.130	.15
000008	000	169.5	158.2	138.2	113.2	78.	78.
000009	000	.025	.050	0.075	.10	.130	.15
000010	000	273501.	259980.	251500.	247348.	243900.	244653.

END ELT.

TASK UNITS: 0

PSM SIZE: 6144

31.1.1

GW = 1498000.00 LBS CUSHION AREA = 594.2 SQUARE FEET
SWEEP = 40.0 DEGREES L/W = .785 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061
THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5

LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 12110.379

PJ = 528.854 QJ = 12594.597 A = 1.903

SHP/ENG = 8847.3 SHP TOTAL = 67738.6

NO FAN = 11.6 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 843.2

WTFAN = 9464.4 WTGR = 1731.6 WTS = 7908.5

WT AIRU = 19108.5

WT AIRI = 23880.6 WFUEL = 5419.1 WT TIP GEAR = 750.

WT MAIN GEAR = 55074. WT WING = 273500.

WT SYS = 30450. WT STRUCT = 328574.

TOTAL WEIGHT = 358523. DEL WT = 7240.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2

LIFT = 74900.0 L/A = 126.094 M/W = .240 HP = 33064.201

PJ = 1033.614 QJ = 17593.901 A = 1.451

SHP/ENG = 23117.8 SHP TOTAL = 184912.4

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1178.8

WTFAN = 18467.4 WTGR = 7084.0 WTS = 21592.2

WT AIRU = 93123.4

WT AIRI = 53904.3 WFUEL = 14795.4 WT TIP GEAR = 1500.

WT MAIN GEAR = 51726. WT WING = 259980.

WT SYS = 70200. WT STRUCT = 311706.

TOTAL WEIGHT = 381906. DEL WT = 70523.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0

LIFT = 112350.0 L/A = 189.141 M/W = .233 HP = 49305.719

PJ = 1529.764 QJ = 21394.240 A = 1.979

SHP/ENG = 41605.2 SHP TOTAL = 332841.2

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1434.1

WTFAN = 27243.2 WTGR = 7769.1 WTS = 38859.2

WT AIRU = 73971.5

WT AIRI = 52464.3 WFUEL = 26527.3 WT TIP GEAR = 7250.

WT MAIN GEAR = 47319. WT WING = 251500.

WT SYS = 121342. WT STRUCT = 298819.

TOTAL WEIGHT = 420161. DEL WT = 69775.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2

LIFT = 149800.0 L/A = 252.189 M/W = .224 HP = 48662.844

PJ = 1499.547 QJ = 24442.812 A = 2.021

SHP/ENG = 42111.0 SHP TOTAL = 497045.7

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1639.6

WTFAN = 35715.5 WTGR = 21935.5 WTS = 58030.4

WT AIRU = 115681.4

WT AIRI = 144601.5 WFUEL = 39763.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 32956. WT WING = 247348.

WT SYS = 187366. WT STRUCT = 291324.

TOTAL WEIGHT = 477669. DEL WT = 120286.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 327.845 M/W = .212 HP = 126408.392
 PJ = 2530.726 QJ = 27472.203 A = 2.090
 SHP/ENG = 88382.1 SHP TOTAL = 707056.8
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1844.5
 WIFAN = 45160.2 WTGR = 67723.4 WITS = 32548.9
 WT AIRU = 139432.5
 WT AIRI = 235540.6 WFUEL = 56564.5 WT TIP GEAR = 3900.
 WT MAIN GEAR = 78302. WT WING = 243900.
 WT SYS = 296075. WT STRUCT = 282202.
 TOTAL WEIGHT = 578207. DEL WT = 226824.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 76.0
 LIFT = 224700.0 L/A = 378.243 M/W = .273 HP = 147974.582
 PJ = 3288.249 QJ = 31441.051 A = 1.933
 SHP/ENG = 131427.9 SHP TOTAL = 1051423.2
 NO FAN = 11.6 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 2102.6
 WIFAN = 59914.1 WTGR = 194224.5 WITS = 122753.7
 WT AIRU = 375892.3
 WT AIRI = 469865.3 WFUEL = 84113.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 77421. WT WING = 254553.
 WT SYS = 559479. WT STRUCT = 282074.
 TOTAL WEIGHT = 840554. DEL WT = 449171.

8 = 2.0 INCHES T/W = .006061
 THETA = 30.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 11453.568
 PJ = 510.546 QJ = 12338.675 A = 1.983
 SHP/ENG = 8008.1 SHP TOTAL = 64064.8
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 828.5
 WIFAN = 9120.2 WTGR = 1644.9 WITS = 7479.6
 WT AIRU = 18274.6
 WT AIRI = 22443.2 WFUEL = 5125.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 55074. WT WING = 273500.
 WT SYS = 28718. WT STRUCT = 324574.
 TOTAL WEIGHT = 357292. DEL WT = 5909.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.044 M/W = .240 HP = 31171.104
 PJ = 994.655 QJ = 17206.395 A = 2.040
 SHP/ENG = 21756.4 SHP TOTAL = 174051.5
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1156.4
 WIFAN = 17732.3 WTGR = 2845.3 WITS = 20320.5
 WT AIRU = 40934.1
 WT AIRI = 51172.6 WFUEL = 13924.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53726. WT WING = 259980.
 WT SYS = 66597. WT STRUCT = 311726.
 TOTAL WEIGHT = 373103. DEL WT = 26920.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.9 GEAR HT = 138.0
 LIFT = 112350.0 L/A = 189.112 M/W = .233 HP = 55814.692
 PJ = 1465.434 QJ = 20902.242 A = 2.073

SHP/ENG = 35005.4 SHP TOTAL = 712353.5
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1403.5
 WIFAN = 26162.4 WTGR = 6749.8 WITS = 36468.4
 WT AIRU = 69900.4
 WT AIRI = 95750.7 WFUEL = 24959.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 111990. WT STRUCT = 294919.
 TOTAL WEIGHT = 412909. DEL WT = 61426.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
 LIFT = 149800.0 L/A = 252.189 W/W = .224 HP = 83057.135
 PJ = 1915.656 QJ = 23886.242 A = 2.128
 SHP/ENG = 58071.8 SHP TOTAL = 116143.6
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1604.8
 WIFAN = 18105.1 WTGR = 18155.9 WITS = 58239.1
 WT AIRU = 106500.1
 WT AIRI = 133125.1 WFUEL = 37156.0 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42956. WT WING = 247148.
 WT SYS = 173291. WT STRUCT = 290300.
 TOTAL WEIGHT = 463595. DEL WT = 112212.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 727.995 W/W = .222 HP = 117522.022
 PJ = 2416.275 QJ = 26750.952 A = 2.194
 SHP/ENG = 82169.6 SHP TOTAL = 164339.2
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1802.3
 WIFAN = 42966.7 WTGR = 49007.3 WITS = 76746.4
 WT AIRU = 168722.5
 WT AIRI = 210907.3 WFUEL = 52599.4 WT TIP GEAR = 3000.
 WT MAIN GEAR = 38302. WT WING = 243990.
 WT SYS = 257392. WT STRUCT = 282202.
 TOTAL WEIGHT = 589599. DEL WT = 198212.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 376.283 W/W = .213 HP = 179193.262
 PJ = 3190.740 QJ = 30898.151 A = 1.899
 SHP/ENG = 125288.2 SHP TOTAL = 1.02305.5
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 2071.2
 WIFAN = 57013.6 WTGR = 164814.6 WITS = 117019.2
 WT AIRU = 342847.4
 WT AIRI = 428559.2 WFUEL = 40184.4 WT TIP GEAR = 3500.
 WT MAIN GEAR = 37421. WT WING = 244653.
 WT SYS = 513294. WT STRUCT = 282074.
 TOTAL WEIGHT = 795318. DEL WT = 443935.

Y = 2.0 INCHES T/W = .006061
 THE TA = 45.0 DEGREES 10% SE4ISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 53.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 W/W = .252 HP = 11551.370
 PJ = 514.326 QJ = 12353.062 A = 1.178
 SHP/ENG = 8076.5 SHP TOTAL = 54611.8
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 831.5
 WIFAN = 9158.3 WTGR = 1490.9 WITS = 7543.4

WT AIRU = 18388.7

WT AIRI = 22905.0 WFUEL = 5168.9 WT TIP GEAR = 750.

WT MAIN GEAR = 55070. WT WING = 273500.

WT SYS = 28905. WT STRUCT = 328570.

TOTAL WEIGHT = 357478. DEL WT = 6095.

FRACTION OF SW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2

LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 31208.177

PJ = 998.344 QJ = 17192.976 A = 2.043

SHP/ENG = 21820.1 SHP TOTAL = 174560.8

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1158.5

MTFAN = 17751.3 MTGB = 2891.5 MTIS = 20380.3

WT AIRU = 11022.8 WT AIRI = 51278.5 WFUEL = 13964.9 WT TIP GEAR = 1500.

WT MAIN GEAR = 51720. WT WING = 259980.

WT SYS = 66793. WT STRUCT = 311700.

TOTAL WEIGHT = 378449. DEL WT = 27066.

FRACTION OF SW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0

LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 55831.657

PJ = 1471.864 QJ = 20862.945 A = 2.081

SHP/ENG = 39076.3 SHP TOTAL = 312290.6

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1406.7

MTFAN = 26154.7 MTGB = 6743.2 MTIS = 36459.9

WT AIRU = 69357.8

WT AIRI = 86627.2 WFUEL = 24983.2 WT TIP GEAR = 2250.

WT MAIN GEAR = 47319. WT WING = 251500.

WT SYS = 113930. WT STRUCT = 298819.

TOTAL WEIGHT = 412750. DEL WT = 51367.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2

LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 42660.329

PJ = 1913.153 QJ = 23763.485 A = 2.138

SHP/ENG = 57704.4 SHP TOTAL = 462355.0

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1605.8

MTFAN = 33964.5 MTGB = 17905.3 MTIS = 53979.9

WT AIRU = 105849.7

WT AIRI = 132312.1 WFUEL = 36988.4 WT TIP GEAR = 3000.

WT MAIN GEAR = 42956. WT WING = 247348.

WT SYS = 172301. WT STRUCT = 290304.

TOTAL WEIGHT = 462604. DEL WT = 113821.

FRACTION OF SW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0

LIFT = 194740.0 L/A = 327.945 H/W = .212 HP = 116271.447

PJ = 2403.858 QJ = 26502.783 A = 2.219

SHP/ENG = 81204.6 SHP TOTAL = 650356.7

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1797.7

MTFAN = 42620.8 MTGB = 47457.4 MTIS = 75929.1

WT AIRU = 156007.4

WT AIRI = 207509.2 WFUEL = 52024.5 WT TIP GEAR = 3900.

WT MAIN GEAR = 74302. WT WING = 243900.

WT SYS = 263438. WT STRUCT = 282202.

TOTAL WEIGHT = 545640. DEL WT = 124057.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
 LIFT = 229700.0 L/A = 376.283 M/W = .273 HP = 1823646967
 PJ = 3233.271 QJ = 31021.995 A = 1.882
 SHP/ENG = 127505.8 SHP TOTAL = 1020046.2
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 2084.9
 WIFAN = 57539.9 WIGR = 177583.7 WITS = 119090.4
 WT AIRU = 358273.9
 WT AIRI = 442842.4 WFUEL = 11603.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 77821. WT WING = 244453.
 WT SYS = 528946. WT STRUCT = 282078.
 TOTAL WEIGHT = 811221. DEL WT = 459638.

T = 2.0 INCHES T/W = .008061
 THETA = 60.0 DEGREES 10X SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 12421.825
 PJ = 540.521 QJ = 12639.662 A = 1.990
 SHP/ENG = 8695.1 SHP TOTAL = 69480.6
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 852.5
 WIFAN = 9602.9 WIGR = 1750.1 WITS = 8111.9
 WT AIRU = 19464.4
 WT AIRI = 24330.5 WFUEL = 5558.5 WT TIP GEAR = 750.
 WT MAIN GEAR = 55074. WT WING = 273500.
 WT SYS = 30639. WT STRUCT = 328574.
 TOTAL WEIGHT = 359213. DEL WT = 7830.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.094 M/W = .248 HP = 38338.480
 PJ = 1044.690 QJ = 17552.042 A = 1.960
 SHP/ENG = 23379.9 SHP TOTAL = 184879.9
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1185.1
 WIFAN = 19537.9 WIGR = 3069.1 WITS = 21771.5
 WT AIRU = 93378.5
 WT AIRI = 54223.1 WFUEL = 14918.3 WT TIP GEAR = 1503.
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 70691. WT STRUCT = 311706.
 TOTAL WEIGHT = 382347. DEL WT = 30960.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 150.0
 LIFT = 112350.0 L/A = 189.141 M/W = .233 HP = 59022.661
 PJ = 1536.444 QJ = 21271.492 A = 2.002
 SHP/ENG = 41547.1 SHP TOTAL = 332376.7
 NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1437.2
 WIFAN = 27245.5 WIGR = 3732.4 WITS = 38805.0
 WT AIRU = 73783.4
 WT AIRI = 92229.2 WFUEL = 26590.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 57319. WT WING = 251500.
 WT SYS = 121064. WT STRUCT = 298819.
 TOTAL WEIGHT = 419889. DEL WT = 58526.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 183.2
 LIFT = 149800.0 L/A = 252.189 M/W = .224 HP = 87509.228

PJ = 1990.128 QJ = 24194.912 A = 2.065

SHP/ENG = 61188.6 SHP TOTAL = 989877.0

NO FAN = 11.4 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1635.7

WTFAN = 35258.6 WTGB = 20966.0 WTS = 57196.4

WT AIRU = 113367.1

WT AIRI = 141708.9 WFUEL = 39158.2 WT TIP GEAR = 3000.

WT MAIN GEAR = 42956. WT WING = 287348.

WT SYS = 183867. WT STRUCT = 290304.

TOTAL WEIGHT = 476171. DEL WT = 122788.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0

LIFT = 194740.0 L/A = 327.985 M/W = .212 HP = 122288.609

PJ = 2489.343 QJ = 21009.839 A = 2.158

SHP/ENG = 85473.7 SHP TOTAL = 683789.4

NO FAN = 11.4 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1829.4

WTFAN = 44035.6 WTGB = 54913.1 WTS = 79832.4

WT AIRU = 178781.2

WT AIRI = 223476.4 WFUEL = 54703.1 WT TIP GEAR = 3900.

WT MAIN GEAR = 38302. WT WING = 243900.

WT SYS = 282080. WT STRUCT = 282202.

TOTAL WEIGHT = 564282. DEL WT = 212899.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 378.283 M/W = .273 HP = 190238.551

PJ = 3422.321 QJ = 31858.888 A = 1.785

SHP/ENG = 138624.2 SHP TOTAL = 1108839.2

NO FAN = 11.5 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 2145.0

WTFAN = 60901.8 WTGB = 225194.3 WTS = 129456.4

WT AIRU = 316552.5

WT AIRI = 520690.4 WFUEL = 88706.7 WT TIP GEAR = 4500.

WT MAIN GEAR = 37421. WT WING = 244553.

WT SYS = 613897. WT STRUCT = 282074.

TOTAL WEIGHT = 895972. DEL WT = 514589.

T = 4.0 INCHES Y/W = .012121

THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5

LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 88256125

PJ = 272.542 QJ = 17809.416 A = 1.903

SHP/ENG = 6178.5 SHP TOTAL = 493627.4

NO FAN = 22.8 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 602.9

WTFAN = 9507.4 WTGB = 1729.3 WTS = 5763.1

WT AIRU = 17049.8

WT AIRI = 21374.8 WFUEL = 3949.0 WT TIP GEAR = 750.

WT MAIN GEAR = 55074. WT WING = 271500.

WT SYS = 26074. WT STRUCT = 326574.

TOTAL WEIGHT = 354647. DEL WT = 3264.

FRACTION OF GW/SIDE = .0400 CUSH HT = 79.2 GEAR HT = 158.2

LIFT = 74900.0 L/A = 126.094 M/W = .240 HP = 24131.120

PJ = 533.480 QJ = 24878.393 A = 1.951

SHP/ENG = 16872.0 SHP TOTAL = 134975.8

NO FAN = 22.7 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 846.9

WTFAN = 13776.5 WTGR = 2699.5 WTS = 15758.4
 WT AIRU = 37223.7
 WT AIRI = 46529.7 WFUEL = 10798.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 58929. WT STRUCT = 311706.
 TOTAL WEIGHT = 370534. DEL WT = 19151.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 136.0
 LIFT = 412350.0 L/A = 189.143 H/W = .233 HP = 83847.846
 PJ = 790.272 QJ = 30251.995 A = 1.979
 SHP/ENG = 30391.8 SHP TOTAL = 243134.5
 NO FAN = 22.7 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 1023.8
 WTFAN = 27789.6 WTGR = 4721.9 WTS = 28389.5
 WT AIRU = 60897.4
 WT AIRI = 76121.8 WFUEL = 19850.8 WT TIP GEAR = 2280.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 97923. WT STRUCT = 298819.
 TOTAL WEIGHT = 396532. DEL WT = 85259.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
 LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 65000.690
 PJ = 1034.373 QJ = 34562.352 A = 2.021
 SHP/ENG = 45487.1 SHP TOTAL = 763577.0
 NO FAN = 22.7 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 1179.7
 WTFAN = 36323.0 WTGR = 11066.1 WTS = 42487.5
 WT AIRU = 89834.8
 WT AIRI = 112296.0 WFUEL = 29086.2 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42956. WT WING = 247348.
 WT SYS = 144382. WT STRUCT = 290328.
 TOTAL WEIGHT = 734561. DEL WT = 16330.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 92637.630
 PJ = 1311.431 QJ = 34895.308 A = 2.080
 SHP/ENG = 64770.3 SHP TOTAL = 518142.3
 NO FAN = 22.6 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 1327.9
 WTFAN = 45971.0 WTGR = 29582.8 WTS = 60495.5
 WT AIRU = 136049.3
 WT AIRI = 170061.7 WFUEL = 41453.0 WT TIP GEAR = 3900.
 WT MAIN GEAR = 38302. WT WING = 283400.
 WT SYS = 215415. WT STRUCT = 282202.
 TOTAL WEIGHT = 497617. DEL WT = 146234.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 778.283 H/W = .273 HP = 135672.053
 PJ = 1690.723 QJ = 44460.043 A = 1.833
 SHP/ENG = 95558.2 SHP TOTAL = 760055.9
 NO FAN = 22.8 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 1507.7
 WTFAN = 59737.4 WTGR = 93915.8 WTS = 80251.4
 WT AIRU = 242904.6
 WT AIRI = 323630.7 WFUEL = 61157.3 WT TIP GEAR = 4500.
 WT MAIN GEAR = 37421. WT WING = 244653.
 WT SYS = 369288. WT STRUCT = 282074.
 TOTAL WEIGHT = 651162. DEL WT = 299979.

T = 4.0 INCHES T/W = .012121
THETA = 30.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
LIFT = 37450.0 L/A = 63.047 M/D = .252 HP = 93946.33
PJ = 264.631 OJ = 17446.694 A = 1.983
SHP/ENG = 5869.2 SHP TOTAL = 46953.7
NO FAN = 22.6 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 596.5
JTFAN = 9274.1 WTGB = 1685.2 WTS = 5481.9
WT AIRU = 16441.2
WT AIRI = 20551.9 WFUEL = 3756.3 WT TIP GEAR = 750
WT MAIN GEAR = 95074. WT WING = 273500
WT SYS = 25050. WT STRUCT = 328574.
TOTAL WEIGHT = 353631. DEL WT = 2284.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
LIFT = 74900.0 L/A = 126.094 M/D = .240 HP = 228476.024
PJ = 516.494 OJ = 24329.150 A = 2.040
SHP/ENG = 15979.2 SHP TOTAL = 127793.3
NO FAN = 22.6 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 833.3
JTFAN = 18067.6 WTGB = 2612.4 WTS = 14419.7
WT AIRU = 35599.9
WT AIRI = 44499.8 WFUEL = 10221.5 WT TIP GEAR = 1502
WT MAIN GEAR = 51726. WT WING = 259980.
WT SYS = 56223. WT STRUCT = 311726.
TOTAL WEIGHT = 367929. DEL WT = 16546.

FRACTION OF GW/SIDE = .0750 CUSH HT = 75.2 GEAR HT = 147.2
LIFT = 112350.0 L/A = 189.141 M/D = .233 HP = 41046.450
PJ = 763.858 OJ = 29554.644 A = 2.072
SHP/ENG = 28698.8 SHP TOTAL = 229590.5
NO FAN = 22.6 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1013.4
JTFAN = 26591.4 WTGB = 4322.4 WTS = 26804.7
WT AIRU = 57818.5
WT AIRI = 72273.2 WFUEL = 18367.2 WT TIP GEAR = 2250.
WT MAIN GEAR = 97319. WT WING = 251500.
WT SYS = 92890. WT STRUCT = 298819.
TOTAL WEIGHT = 391710. DEL WT = 40327.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.4 GEAR HT = 113.2
LIFT = 149800.0 L/A = 252.189 M/D = .224 HP = 61146.184
PJ = 997.439 OJ = 33714.755 A = 2.124
SHP/ENG = 42752.1 SHP TOTAL = 342017.1
NO FAN = 22.5 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1159.0
JTFAN = 34796.0 WTGB = 9481.7 WTS = 39930.5
WT AIRU = 84208.2
WT AIRI = 105260.2 WFUEL = 27361.9 WT TIP GEAR = 3000.
WT MAIN GEAR = 92756. WT WING = 247348.
WT SYS = 135622. WT STRUCT = 290304.
TOTAL WEIGHT = 425925. DEL WT = 74542.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0

LIFT = 199790.0 L/A = 127.945 H/W = .212 HP = 84712.853
 PJ = 1260.925 QJ = 37822.902 A = 2.194
 SHP/ENG = 60627.5 SHP TOTAL = 485020.3
 NO FAN = 22.5 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 1302.0
 WIFAN = 13987.4 WTGB = 24371.7 WITS = 56626.1
 WT AIRU = 124885.2
 WT AIRI = 156106.5 WFUEL = 38901.6 WT TIP GEAR = 1900.
 WT MAIN GEAR = 38302. WT WING = 243900.
 WT SYS = 198808. WT STRUCT = 282202.
 TOTAL WEIGHT = 481110. DEL WT = 124627.

FRACTION OF GW/SIDE = .1500 CUSH WT = 90.0 GEAR WT = 78.0
 LIFT = 224900.0 L/A = 178.803 H/W = .273 HP = 111111.111
 PJ = 1649.378 QJ = 43676.392 A = 1.899
 SHP/ENG = 91578.3 SHP TOTAL = 732624.1
 NO FAN = 22.7 NO/SEG = 3.7 LIMIT/SEG = 3.1 VTIP = 1489.1
 WIFAN = 57962.5 WTGB = 82612.8 WITS = 95534.2
 WT AIRU = 226109.1
 WT AIRI = 282636.8 WFUEL = 58610.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 37421. WT WING = 244653.
 WT SYS = 385787. WT STRUCT = 282078.
 TOTAL WEIGHT = 627821. DEL WT = 276438.

T = 4.0 INCHES T/M = .012121
 THETA = 45.0 DEGREES 108 SEMISPAN
 FRACTION OF GW/SIDE = .0250 CUSH WT = 83.2 GEAR WT = 169.5
 LIFT = 37450.0 L/A = 63.047 H/W = .252 HP = 8507.742
 PJ = 267.908 QJ = 17866.203 A = 1.379
 SHP/ENG = 3498.9 SHP TOTAL = 1287.7
 NO FAN = 22.5 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 837.0
 WIFAN = 9381.7 WTGB = 1488.5 WITS = 1445.1
 WT AIRU = 16591.9
 WT AIRI = 20739.8 WFUEL = 3907.0 WT TIP GEAR = 753.
 WT MAIN GEAR = 55078. WT WING = 273500.
 WT SYS = 25297. WT STRUCT = 32857.
 TOTAL WEIGHT = 353870. DEL WT = 2487.

FRACTION OF GW/SIDE = .0500 CUSH WT = 79.2 GEAR WT = 158.2
 LIFT = 74900.0 L/A = 126.091 H/W = .240 HP = 23332.182
 PJ = 521.113 QJ = 24306.916 A = 2.895
 SHP/ENG = 1103.6 SHP TOTAL = 128826.7
 NO FAN = 17/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 837.0
 WIFAN = 18135.1 WTGB = 2620.5 WITS = 15040.8
 WT AIRU = 35794.3
 WT AIRI = 44742.9 WFUEL = 10306.3 WT TIP GEAR = 1503.
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 56549. WT STRUCT = 311706.
 TOTAL WEIGHT = 368255. DEL WT = 16872.

FRACTION OF GW/SIDE = .0750 CUSH WT = 77.0 GEAR WT = 138.0
 LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 41234.571
 PJ = 769.220 QJ = 29497.840 A = 2.881
 SHP/ENG = 2888.3 SHP TOTAL = 288758.7

NO FAN = 22.4 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1016.9
WTFAN = 26733.1 WTGB = 9350.6 WTS = 26948.6
WT AIRU = 58024.3
WT AIRI = 72530.4 WFUEL = 18960.4 WT TIP GEAR = 2252.
WT MAIN GEAR = 87319. WT WING = 251500.
WT SYS = 93241. WT STRUCT = 298819.
TOTAL WEIGHT = 392600. DEL WT = 16577.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 143.2
LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 61190.167
PJ = 1001.693 QJ = 33597.719 A = 2.138
SHP/ENG = 42782.9 SHP TOTAL = 342263.1

NO FAN = 22.4 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1160.5
WTFAN = 34797.0 WTGB = 9486.9 WTS = 34959.2
WT AIRU = 88193.1
WT AIRI = 105241.4 WFUEL = 27381.0 WT TIP GEAR = 3003.
WT MAIN GEAR = 42956. WT WING = 247348.
WT SYS = 135622. WT STRUCT = 290304.
TOTAL WEIGHT = 425926. DEL WT = 74543.

FRACTION OF SW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
LIFT = 144740.0 L/A = 327.945 H/W = .212 HP = 45288.632
PJ = 1261.936 QJ = 37610.976 A = 2.219

SHP/ENG = 60331.2 SHP TOTAL = 482649.6
NO FAN = 22.3 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1302.8
WTFAN = 43657.1 WTGB = 23991.7 WTS = 56399.3
WT AIRU = 123998.2
WT AIRI = 154997.7 WFUEL = 38612.0 WT TIP GEAR = 3903.
WT MAIN GEAR = 38302. WT WING = 283900.
WT SYS = 197510. WT STRUCT = 283204.
TOTAL WEIGHT = 479712. DEL WT = 128329.

FRACTION OF SW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
LIFT = 224700.0 L/A = 378.283 H/W = .273 HP = 133404.826

PJ = 1679.035 QJ = 43863.083 A = 1.882
SHP/ENG = 93623.5 SHP TOTAL = 748987.6
NO FAN = 22.6 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1502.8
WTFAN = 58731.2 WTGB = 88100.4 WTS = 87444.3
WT AIRU = 234276.0
WT AIRI = 292899.9 WFUEL = 59919.0 WT TIP GEAR = 4503.
WT MAIN GEAR = 37421. WT WING = 324653.
WT SYS = 357264. WT STRUCT = 282074.
TOTAL WEIGHT = 639338. DEL WT = 257955.

T = 4.0 INCHES T/W = .012121

THETA = 60.0 DEGREES 10% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
LIFT = 37450.0 L/A = 63.097 H/W = .252 HP = 9183.260
PJ = 282.630 QJ = 17870.702 A = 1.890
SHP/ENG = 6422.7 SHP TOTAL = 51365.9

NO FAN = 22.4 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 616.9
WTFAN = 9517.3 WTGB = 1756.6 WTS = 5997.0
WT AIRU = 17570.9

WT AIRI = 21963.4 WFUEL = 4129.3 WT TIP GEAR = 757.
 WT MAIN GEAR = 55074. WT WING = 273500.
 WT SYS = 26823. WT STRUCT = 328574.
 TOTAL WEIGHT = 355194. DEL WT = 4013.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 154.2
 LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 24701.835
 PJ = 547.481 QJ = 24815.475 A = 1.960
 SHP/ENG = 17271.0 SHP TOTAL = 118148.1
 NO FAN = 22.4 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 897.9
 WT FAN = 18973.5 WTGB = 2715.4 WTS = 16131.1
 WT AIRU = 37820.0

WT AIRI = 47275.0 WFUEL = 11053.4 WT TIP GEAR = 1111.1
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 59829. WT STRUCT = 311704.
 TOTAL WEIGHT = 371534. DEL WT = 20151.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
 LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 44096.158
 PJ = 804.267 QJ = 32073.688 A = 2.002
 SHP/ENG = 30824.1 SHP TOTAL = 246593.0
 NO FAN = 22.4 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1041.1
 WT FAN = 27903.9 WTGB = 9814.8 WTS = 28149.7
 WT AIRU = 61512.4
 WT AIRI = 76890.5 WFUEL = 19727.4 WT TIP GEAR = 2250.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 96869. WT STRUCT = 293814.
 TOTAL WEIGHT = 397587. DEL WT = 46304.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.4 GEAR HT = 115.2
 LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 65053.196
 PJ = 1046.450 QJ = 34191.075 A = 2.065
 SHP/ENG = 45493.8 SHP TOTAL = 363870.6
 NO FAN = 22.3 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 1184.1
 WT FAN = 36142.0 WTGB = 11047.9 WTS = 42881.9
 WT AIRU = 99671.8
 WT AIRI = 112089.7 WFUEL = 29109.7 WT TIP GEAR = 1000.
 WT MAIN GEAR = 42956. WT WING = 247348.
 WT SYS = 144199. WT STRUCT = 290304.
 TOTAL WEIGHT = 434503. DEL WT = 43120.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 91128.350
 PJ = 1312.601 QJ = 34144.178 A = 2.152
 SHP/ENG = 43755.0 SHP TOTAL = 519720.3
 NO FAN = 22.2 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1328.4
 WT FAN = 45205.4 WTGB = 28064.3 WTS = 59509.8
 WT AIRU = 132779.5
 WT AIRI = 155974.4 WFUEL = 40777.6 WT TIP GEAR = 3900.
 WT MAIN GEAR = 79302. WT WING = 243900.
 WT SYS = 210652. WT STRUCT = 242202.
 TOTAL WEIGHT = 492854. DEL WT = 141471.

FRACTION OF GW/SIDE = .1500 CUSH WT = 90.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 378.283 M/W = .273 HP = 146567.344
 PJ = 1783.462 QJ = 45045.564 A = 1.785
 SHP/ENG = 102127.2 SHP TOTAL = 217017.9
 NO FAN = 22.5 NO/SEG = 3.6 LIMIT/SEG = 3.1 VTIP = 1514.5
 WT FAN = 62161.9 WTGR = 113948.3 WTS = 95386.8
 WT AIRU = 274497.0
 WT AIRI = 339371.3 WFUEL = 65361.4 WT TIP GEAR = 4509.
 WT MAIN GEAR = 77421. WT WING = 244653.
 WT SYS = 409233. WT STRUCT = 282074.
 TOTAL WEIGHT = 691307. DEL WT = 339924.

THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH WT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 7425.004
 PJ = 187.261 QJ = 21827.951 A = 1.901
 SHP/ENG = 5191.4 SHP TOTAL = 41531.3
 NO FAN = 33.6 NO/SEG = 6.4 LIMIT/SEG = 3.1 VTIP = 501.8
 WT FAN = 9751.6 WTGR = 1749.1 WTS = 4448.4
 WT AIRU = 16349.5
 WT AIRI = 20436.9 WFUEL = 3322.5 WT TIP GEAR = 750.
 WT MAIN GEAR = 55474. WT WING = 273500.
 WT SYS = 24509. WT STRUCT = 328574.
 TOTAL WEIGHT = 353783. DEL WT = 1700.

FRACTION OF GW/SIDE = .0500 CUSH WT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.094 M/W = .240 HP = 20333.016
 PJ = 367.103 QJ = 30463.304 A = 1.751
 SHP/ENG = 14216.4 SHP TOTAL = 113731.5
 NO FAN = 33.6 NO/SEG = 6.4 LIMIT/SEG = 3.1 VTIP = 702.5
 WT FAN = 19072.7 WTGR = 2664.5 WTS = 13278.2
 WT AIRU = 35015.3
 WT AIRI = 43749.1 WFUEL = 9098.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 54368. WT STRUCT = 311706.
 TOTAL WEIGHT = 366774. DEL WT = 14691.

FRACTION OF GW/SIDE = .0750 CUSH WT = 77.0 GEAR HT = 138.0
 LIFT = 112350.0 L/A = 189.141 M/W = .233 HP = 36641.807
 PJ = 544.299 QJ = 37042.760 A = 1.979
 SHP/ENG = 25631.1 SHP TOTAL = 205048.6
 NO FAN = 33.5 NO/SEG = 6.4 LIMIT/SEG = 3.1 VTIP = 855.4
 WT FAN = 28239.8 WTGR = 3967.1 WTS = 23939.4
 WT AIRU = 56146.3
 WT AIRI = 70182.9 WFUEL = 16403.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 49837. WT STRUCT = 298819.
 TOTAL WEIGHT = 397656. DEL WT = 36273.

FRACTION OF GW/SIDE = .1000 CUSH WT = 73.0 GEAR HT = 113.0
 LIFT = 149800.0 L/A = 252.189 M/W = .224 HP = 54892.059
 PJ = 713.391 QJ = 42319.892 A = 2.021

SHP/ENG = 38379.4 SHP TOTAL = 347035.0
 NO FAN = 33.4 NO/SEG = 6.4 LIMIT/SEG = 3.1 VTIP = 979.3
 JTFAN = 36935.9 WTGB = 7976.3 WTS = 35946.3
 WT AIRU = 80758.5
 WT AIRI = 100949.1 WFUEL = 24562.8 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42956. WT WING = 247348.
 WT SYS = 128511. WT STRUCT = 296338.
 TOTAL WEIGHT = 418914. DEL WT = 67431.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 793756771
 PJ = 906.310 QJ = 17562.888 A = 2.080
 SHP/ENG = 38379.4 SHP TOTAL = 347035.0
 NO FAN = 33.3 NO/SEG = 6.3 LIMIT/SEG = 3.1 VTIP = 1103.8
 JTFAN = 44789.3 WTGB = 20229.8 WTS = 51182.8
 WT AIRU = 118200.6
 WT AIRI = 147750.8 WFUEL = 35071.2 WT TIP GEAR = 3900.
 WT MAIN GEAR = 78302. WT WING = 243900.
 WT SYS = 186722. WT STRUCT = 262202.
 TOTAL WEIGHT = 468924. DEL WT = 117541.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 778.263 H/W = .273 HP = 119731.930
 PJ = 1159.045 QJ = 54443.371 A = 1.833
 SHP/ENG = 80217.8 SHP TOTAL = 681782.8
 NO FAN = 33.7 NO/SEG = 6.4 LIMIT/SEG = 3.1 VTIP = 1288.3
 JTFAN = 60566.9 WTGB = 62661.0 WTS = 74923.4
 WT AIRU = 198151.3
 WT AIRI = 247689.2 WFUEL = 51339.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 37421.8 WT WING = 244431.
 WT SYS = 303529. WT STRUCT = 282074.
 TOTAL WEIGHT = 585603. DEL WT = 74120.

T = 6.0 INCHES T/W = .018182

THETA = 30.0 DEGREES 108 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 H/W = .252 HP = 7102.716
 PJ = 182.971 QJ = 21361.997 A = 1.983
 SHP/ENG = 4944.1 SHP TOTAL = 19728.6
 NO FAN = 33.3 NO/SEG = 6.5 LIMIT/SEG = 3.1 VTIP = 499.8
 JTFAN = 9439.6 WTGB = 1706.8 WTS = 4638.3
 WT AIRU = 15789.7
 WT AIRI = 19730.9 WFUEL = 3178.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 55074. WT WING = 273500.
 WT SYS = 23639. WT STRUCT = 328574.
 TOTAL WEIGHT = 352233. DEL WT = 850.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 19365.618
 PJ = 357.561 QJ = 29786.153 A = 2.040
 SHP/ENG = 13510.0 SHP TOTAL = 108320.3
 NO FAN = 33.2 NO/SEG = 6.3 LIMIT/SEG = 3.1 VTIP = 698.3
 JTFAN = 18906.0 WTGB = 2408.7 WTS = 12688.8

WT AIRU = 33661.1
 WT AIRI = 42076.4 WFUEL = 8665.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 52242. WT STRUCT = 311706.
 TOTAL WEIGHT = 363948. DEL WT = 12565.

FRACTION OF SW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
 LIFT = 112350.0 L/A = 189.191 H/W = .233 HP = 34828.381
 PJ = 529.372 QJ = 36185.538 A = 2.073
 SHP/ENG = 24351.3 SHP TOTAL = 194810.2
 NO FAN = 33.2 NO/SEG = 6.3 LIMIT/SEG = 3.1 VTIP = 843.6
 WIFAN = 27205.4 WTGR = 3741.7 WITS = 22788.1

WT AIRU = 53691.2
 WT AIRI = 67114.0 WFUEL = 15584.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 84949. WT STRUCT = 296819.
 TOTAL WEIGHT = 383768. DEL WT = 32385.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
 LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 51965.470
 PJ = 692.363 QJ = 41200.356 A = 2.124
 SHP/ENG = 36333.2 SHP TOTAL = 290665.4
 NO FAN = 33.1 NO/SEG = 6.3 LIMIT/SEG = 3.1 VTIP = 964.8

WIFAN = 35493.6 WTGR = 7052.7 WITS = 33938.2
 WT AIRU = 76481.5
 WT AIRI = 95601.9 WFUEL = 23253.2 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42956. WT WING = 247348.
 WT SYS = 121855. WT STRUCT = 290304.
 TOTAL WEIGHT = 412159. DEL WT = 40776.

FRACTION OF SW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 73854.409
 PJ = 877.210 QJ = 46305.838 A = 2.194
 SHP/ENG = 51677.5 SHP TOTAL = 413099.7

NO FAN = 33.0 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 1086.0
 WIFAN = 44815.4 WTGR = 17052.8 WITS = 48229.4
 WT AIRU = 110097.7
 WT AIRI = 137622.1 WFUEL = 33048.0 WT TIP GEAR = 3900.
 WT MAIN GEAR = 38302. WT WING = 243900.
 WT SYS = 174570. WT STRUCT = 282202.
 TOTAL WEIGHT = 456772. DEL WT = 25558.

FRACTION OF SW/SIDE = .1500 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 378.293 H/W = .273 HP = 110531.089
 PJ = 1136.723 QJ = 53440.117 A = 1.899
 SHP/ENG = 77281.0 SHP TOTAL = 618248.2

NO FAN = 33.5 NO/SEG = 6.4 LIMIT/SEG = 3.1 VTIP = 1236.2
 WIFAN = 58919.6 WTGR = 55887.9 WITS = 72180.5
 WT AIRU = 196988.0
 WT AIRI = 233735.0 WFUEL = 49459.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 37421. WT WING = 244553.
 WT SYS = 287695. WT STRUCT = 282074.
 TOTAL WEIGHT = 569769. DEL WT = 218386.

T = 6.0 INCHES T/W = .018182
THETA = 45.0 DEGREES 108 SERISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 93.2 GEAR HT = 169.5
LIFT = 37450.0 L/A = 63.047 H/W = .252 HP = 7233.442
PJ = 186.098 QJ = 21394.196 A = 1.278
SHP/ENG = 5057.5 SHP TOTAL = 40459.6
NO FAN = 33.1 NO/SEG = 6.3 LIMIT/SEG = 3.1 VTIP = 500.1
WTFAN = 9531.0 WTGR = 1719.3 WTS = 8723.2
WT AIRU = 15974.0
WT AIRI = 19967.5 WFUEL = 3236.8 WT TIP GEAR = 750.
WT MAIN GEAR = 55078. WT WING = 273500.
WT SYS = 23759. WT STRUCT = 352528. DEL WT = 1145.

FRACTION OF SW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
LIFT = 74900.0 L/A = 126.098 H/W = .290 HP = 19621.613
PJ = 362.621 QJ = 29760.786 A = 2.043
SHP/ENG = 13719.0 SHP TOTAL = 109752.2
NO FAN = 33.0 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 698.2
WTFAN = 18518.7 WTGR = 2618.2 WTS = 12813.6
WT AIRU = 33950.5
WT AIRI = 92438.1 WFUEL = 8782.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 51726. WT WING = 259980.
WT SYS = 52718. WT STRUCT = 311706. DEL WT = 13041.

FRACTION OF SW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
LIFT = 112350.0 L/A = 189.147 H/W = .323 HP = 5103.891
PJ = 535.917 QJ = 36112.175 A = 2.001
SHP/ENG = 29622.8 SHP TOTAL = 196814.4
NO FAN = 32.9 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 848.8
WTFAN = 27317.6 WTGR = 3777.8 WTS = 22978.6
WT AIRU = 54678.0
WT AIRI = 67592.5 WFUEL = 15745.5 WT TIP GEAR = 2250.
WT MAIN GEAR = 47319. WT WING = 231500.
WT SYS = 85588. WT STRUCT = 296819. DEL WT = 33024.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
LIFT = 149800.0 L/A = 252.189 H/W = .324 HP = 52286.764
PJ = 699.155 QJ = 91130.516 A = 2.138
SHP/ENG = 36566.4 SHP TOTAL = 292451.7
NO FAN = 32.8 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 964.5
WTFAN = 35537.8 WTGR = 7139.1 WTS = 34143.7
WT AIRU = 76815.6
WT AIRI = 96019.5 WFUEL = 23396.1 WT TIP GEAR = 3000.
WT MAIN GEAR = 82956. WT WING = 287348.
WT SYS = 122416. WT STRUCT = 290304. DEL WT = 51336.

FRACTION OF SW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 27012.874

PJ = 882.950 OJ = 46091.147 A = 2.218

SHP/ENG = 51678.3 SHP TOTAL = 413926.0

NO FAN = 32.7 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 1089.5

WTFAN = 44704.8 WTGB = 17051.8 WTS = 98267.5

WT AIRU = 110024.2

WT AIRI = 137530.2 WFUEL = 33074.1 WT TIP GEAR = 3900.

WT MAIN GEAR = 78302. WT WING = 243900.

WT SYS = 174504. WT STRUCT = 282202.

TOTAL WEIGHT = 456706. DEL WT = 105323.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 375.283 H/W = .273 HP = 113506.824

PJ = 1162.436 OJ = 53705.088 A = 2.348

SHP/ENG = 79361.6 SHP TOTAL = 634892.8

NO FAN = 33.2 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 1250.1

WTFAN = 59832.9 WTGB = 67400.9 WTS = 74123.7

WT AIRU = 194357.5

WT AIRI = 242946.9 WFUEL = 50791.4 WT TIP GEAR = 4501.

WT MAIN GEAR = 37421. WT WING = 244553.

WT SYS = 294238. WT STRUCT = 282074.

TOTAL WEIGHT = 580313. DEL WT = 228930.

T = 6.0 INCHES T/W = .018182

THETA = 40.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5

LIFT = 37450.0 L/A = 63.097 H/W = .252 HP = 78366.621

PJ = 197.008 OJ = 21877.962 A = 1.890

SHP/ENG = 5479.2 SHP TOTAL = 43833.6

NO FAN = 32.9 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 544.5

WTFAN = 10034.3 WTGB = 1786.2 WTS = 5117.6

WT AIRU = 16938.2

WT AIRI = 21172.7 WFUEL = 3506.7 WT TIP GEAR = 750.

WT MAIN GEAR = 5074. WT WING = 273500.

WT SYS = 25429. WT STRUCT = 325574.

TOTAL WEIGHT = 354203. DEL WT = 2620.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 138.2

LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 21125.505

PJ = 382.473 OJ = 30378.706 A = 1.960

SHP/ENG = 14770.5 SHP TOTAL = 118360.1

NO FAN = 32.8 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 717.1

WTFAN = 19513.8 WTGB = 2644.9 WTS = 13795.7

WT AIRU = 35904.2

WT AIRI = 44940.3 WFUEL = 9453.1 WT TIP GEAR = 1500.

WT MAIN GEAR = 51725. WT WING = 259980.

WT SYS = 55833. WT STRUCT = 311706.

TOTAL WEIGHT = 367539. DEL WT = 16156.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0

LIFT = 112350.0 L/A = 189.242 H/W = .233 HP = 37752.089

PJ = 564.004 OJ = 36814.708 A = 2.002

SHP/ENG = 23995.5 SHP TOTAL = 211163.8

NO FAN = 32.7 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 872.8

W/FAN = 28569.5 W/FUEL = 9095.1 W/TIS = 28553.4
 WT AIRU = 57318.0
 WT AIRI = 71687.5 W/FUEL = 16893.1 WT TIP GEAR = 2250
 WT MAIN GEAR = 97319. WT WING = 251500
 WT SYS = 90791. WT STRUCT = 298819.
 TOTAL WEIGHT = 389510. DEL WT = 78227.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
 LIFT = 189800.0 L/A = 252.189 M/W = .228 HP = 55815.178
 PJ = 733.474 QJ = 11853.344 A = 2.065
 SHP/ENG = 39024.6 SHP TOTAL = 312198.4
 NO FAN = 32.6 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 292.0

W/FAN = 37039.5 W/TIS = 37039.5
 WT AIRU = 81733.6
 WT AIRI = 102167.0 W/FUEL = 28975.9 WT TIP GEAR = 3000
 WT MAIN GEAR = 92956. WT WING = 247348.
 WT SYS = 130143. WT STRUCT = 290304.
 TOTAL WEIGHT = 420886. DEL WT = 69063.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194780.0 L/A = 327.845 M/W = .212 HP = 79397.605
 PJ = 922.551 QJ = 16738.533 A = 2.152
 SHP/ENG = 5484.0 SHP TOTAL = 134511.7
 NO FAN = 32.5 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 1113.7

W/FAN = 16388.5 W/TIS = 20106.7 W/TIS = 51196.2
 WT AIRU = 117691.5
 WT AIRI = 147114.3 W/FUEL = 35080.9 WT TIP GEAR = 3900.
 WT MAIN GEAR = 38302. WT WING = 243900.
 WT SYS = 186095. WT STRUCT = 262202.
 TOTAL WEIGHT = 468277. DEL WT = 116718.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 378.283 M/W = .273 HP = 124240.994
 PJ = 1239.037 QJ = 55189.720 A = 1.795
 SHP/ENG = 86866.7 SHP TOTAL = 894933.7
 NO FAN = 33.1 NO/SEG = 6.3 LIMIT/SEG = 3.1 VTIP = 1290.6
 W/FAN = 63839.5 W/TIS = 79025.3 W/TIS = 81133.5
 WT AIRU = 223663.3
 WT AIRI = 279579.1 W/FUEL = 55594.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 37421. WT WING = 286653.
 WT SYS = 339674. WT STRUCT = 242074.
 TOTAL WEIGHT = 621748. DEL WT = 270365.

T = 8.0 INCHES T/W = .024242
 THETA = 15.0 DEGREES .08 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 6624.917
 PJ = 144.736 QJ = 25174.866 A = 1.903
 SHP/ENG = 4532.0 SHP TOTAL = 37000
 NO FAN = 94.2 NO/SEG = 9.0 LIMIT/SEG = 3.1 VTIP = 461.5
 W/FAN = 9896.6 W/TIS = 1772.6 W/TIS = 4326.3
 WT AIRU = 15995.7
 WT AIRI = 19998.6 W/FUEL = 2968.5 WT TIP GEAR = 743.

WT MAIN GEAR = 55074. WT WING = 273500.
WT SYS = 23709. WT STRUCT = 520574.
TOTAL WEIGHT = 352283. DEL WT = 900.

FRACTION OF SW/SIDE = .0500 CUSH WT = 79.2 GEAR WT = 158.2
LIFT = 74900.0 L/A = 126.094 M/W = .240 HP = 18168.810
PJ = 284.164 QJ = 55165.714 A = 1.951
SHP/ENG = 12773.3 SHP TOTAL = 101626.0
NO FAN = 44.0 NO/SEG = 9.0 LIMIT/SEG = 3.1 VIIP = 414.1
WTFAN = 19370.7 WTGB = 2695.3 WTIS = 11864.8
WT AIRU = 33430.8
WT AIRI = 42813.5 WFUEL = 8130.1 WT TIP GEAR = 1503.
WT MAIN GEAR = 52726. WT WING = 259988.
WT SYS = 52044. WT STRUCT = 311706.
TOTAL WEIGHT = 363249. DEL WT = 12366.

FRACTION OF SW/SIDE = .0750 CUSH WT = 77.0 GEAR WT = 138.0
LIFT = 112350.0 L/A = 189.141 M/W = .233 HP = 32784.523
PJ = 421.703 QJ = 42760.089 A = 1.979
SHP/ENG = 22923.0 SHP TOTAL = 183383.4
NO FAN = 43.9 NO/SEG = 9.0 LIMIT/SEG = 3.1 VIIP = 753.0
WTFAN = 28693.4 WTGB = 3691.7 WTIS = 21410.0
WT AIRU = 53795.1
WT AIRI = 67243.9 WFUEL = 14570.7 WT TIP GEAR = 2259.1
WT MAIN GEAR = 47319. WT WING = 257508.
WT SYS = 84165. WT STRUCT = 298819.
TOTAL WEIGHT = 382984. DEL WT = 31601.

FRACTION OF SW/SIDE = .0800 CUSH WT = 76.0 GEAR WT = 138.0
LIFT = 149800.0 L/A = 252.169 M/W = .224 HP = 44157.800
PJ = 553.452 QJ = 48850.423 A = 2.073
SHP/ENG = 34369.6 SHP TOTAL = 274956.4
NO FAN = 43.8 NO/SEG = 9.0 LIMIT/SEG = 3.1 VIIP = 862.6
WTFAN = 37553.3 WTGB = 4634.6 WTIS = 32101.2
WT AIRU = 76209.1
WT AIRI = 95361.3 WFUEL = 21996.5 WT TIP GEAR = 3003.
WT MAIN GEAR = 42956. WT WING = 247544.
WT SYS = 120358. WT STRUCT = 290304.
TOTAL WEIGHT = 410661. DEL WT = 59278.

FRACTION OF SW/SIDE = .1300 CUSH WT = 70.0 GEAR WT = 76.0
LIFT = 194740.0 L/A = 327.895 M/W = .212 HP = 70318.877
PJ = 704.425 QJ = 44900.352 A = 2.080
SHP/ENG = 49162.7 SHP TOTAL = 393301.5
NO FAN = 43.7 NO/SEG = 8.9 LIMIT/SEG = 3.1 VIIP = 973.2
WTFAN = 47613.8 WTGB = 14955.4 WTIS = 45918.0
WT AIRU = 109487.2
WT AIRI = 136859.0 WFUEL = 31969.1 WT TIP GEAR = 3902.
WT MAIN GEAR = 78302. WT WING = 243900.
WT SYS = 172223. WT STRUCT = 282202.
TOTAL WEIGHT = 459425. DEL WT = 123092.

FRACTION OF SW/SIDE = .1500 CUSH WT = 90.0 GEAR WT = 76.0

LIFT = 224700.0 L/A = 378.283 H/W = .273 HP = 112142.218
 PJ = 893.824 QJ = 62851.539 A = 1.833
 SHP/ENG = 71415.7 SHP TOTAL = 371325.6
 NO FAN = 88.8 NO/SEG = 9.1 LIMIT/SEG = 3.1 WTIP = 2004.2
 WT FAN = 61401.9 WTGR = 87897.2 WTTS = 66702.3
 WT AIRU = 176001.4
 WT AIRI = 220001.8 WFUEL = 85704.0 WT TIP GEAR = 8803.
 WT MAIN GEAR = 77421. WT WING = 244653.
 WT SYS = 270208. WT STRUCT = 282074.
 TOTAL WEIGHT = 552282. DEL WT = 300898.

T = 8.0 INCHES T/W = .024242

THETA = 30.0 DEGREES

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 H/W = .252 HP = 63726764
 PJ = 142.148 QJ = 24657.461 A = 1.983
 SHP/ENG = 8455.7 SHP TOTAL = 35615.6
 NO FAN = 43.6 NO/SEG = 8.9 LIMIT/SEG = 3.1 WTIP = 457.2
 WT FAN = 9606.4 WTGR = 1732.4 WTTS = 4161.5
 WT AIRU = 15500.8
 WT AIRI = 19375.5 WFUEL = 2851.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 5074. WT WING = 273500.
 WT SYS = 22977. WT STRUCT = 324574.
 TOTAL WEIGHT = 351551. DEL WT = 161.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.094 H/W = .210 HP = 17405.617
 PJ = 278.432 QJ = 19382.181 A = 2.083
 SHP/ENG = 12167.6 SHP TOTAL = 50557.6
 NO FAN = 43.5 NO/SEG = 8.9 LIMIT/SEG = 3.1 WTIP = 411.8
 WT FAN = 18787.0 WTGR = 2487.5 WTTS = 21548.8
 WT AIRU = 32761.0
 WT AIRI = 40951.2 WFUEL = 7784.6 WT TIP GEAR = 1500.
 WT MAIN GEAR = 51726. WT WING = 249980.
 WT SYS = 50240. WT STRUCT = 311706.
 TOTAL WEIGHT = 361946. DEL WT = 10563.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
 LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 31335.437
 PJ = 412.855 QJ = 41765.208 A = 2.073
 SHP/ENG = 21909.2 SHP TOTAL = 175273.8
 NO FAN = 83.8 NO/SEG = 8.8 LIMIT/SEG = 3.1 WTIP = 788.8
 WT FAN = 27723.5 WTGR = 7542.1 WTTS = 20463.2
 WT AIRU = 51728.8
 WT AIRI = 54661.0 WFUEL = 19021.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 80433. WT STRUCT = 246819.
 TOTAL WEIGHT = 379752. DEL WT = 28349.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
 LIFT = 149800.0 L/A = 252.189 H/W = .228 HP = 360246701
 PJ = 540.567 QJ = 47643.859 A = 2.124
 SHP/ENG = 32780.2 SHP TOTAL = 241822.0

NO FAN = 43.2 NO/SEG = 8.8 LIMIT/SEG = 3.1 VTIP = 852.5
 WIFAN = 36196.9 WTGB = 6016.8 WITS = 30579.4
 WT AIRU = 72793.1
 WT AIRI = 90991.9 WFUEL = 20953.8 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42956. WT WING = 247348.
 WT SYS = 114945. WT STRUCT = 290304.
 TOTAL WEIGHT = 905249. DEL WT = 53866.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
 LIFT = 194740.0 L/A = 327.845 M/W = .212 HP = 66693.483
 PJ = 686.389 QJ = 53441.177 A = 2.194
 SHP/ENG = 44630.7 SHP TOTAL = 333015.5

NO FAN = 43.0 NO/SEG = 8.8 LIMIT/SEG = 3.1 VTIP = 852.5
 WIFAN = 45751.1 WTGB = 13753.1 WITS = 43553.1
 WT AIRU = 310305.2
 WT AIRI = 128821.5 WFUEL = 29843.6 WT TIP GEAR = 3900.
 WT MAIN GEAR = 38302. WT WING = 243900.
 WT SYS = 162545. WT STRUCT = 282222.
 TOTAL WEIGHT = 444767. DEL WT = 93384.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 378.283 M/W = .273 HP = 98913.140
 PJ = 481.240 QJ = 51733.699 A = 1.899

SHP/ENG = 69158.0 SHP TOTAL = 553204.0
 NO FAN = 43.9 NO/SEG = 9.0 LIMIT/SEG = 3.1 VTIP = 1086.5
 WIFAN = 59883.8 WTGB = 93344.1 WITS = 64593.1
 WT AIRU = 167821.5
 WT AIRI = 209776.9 WFUEL = 44261.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 77421. WT WING = 204451.
 WT SYS = 256538. WT STRUCT = 220174.
 TOTAL WEIGHT = 540612. DEL WT = 180229.

T = 8.0 INCHES T/W = .024202
 THETA = 45.0 DEGREES 103 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 4520.862
 PJ = 145.317 QJ = 24680.388 A = 1.978
 SHP/ENG = 4559.3 SHP TOTAL = 36474.0
 NO FAN = 43.2 NO/SEG = 8.8 LIMIT/SEG = 3.1 VTIP = 882.0
 WIFAN = 9721.9 WTGB = 1748.5 WITS = 4251.5
 WT AIRU = 15728.5
 WT AIRI = 19660.6 WFUEL = 2917.9 WT TIP GEAR = 352.
 WT MAIN GEAR = 45074. WT WING = 273500.
 WT SYS = 23328. WT STRUCT = 328574.
 TOTAL WEIGHT = 351902. DEL WT = 519.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.094 M/W = .240 HP = 17723.303
 PJ = 243.308 QJ = 34346.466 A = 2.043
 SHP/ENG = 12391.8 SHP TOTAL = 99134.1

NO FAN = 43.0 NO/SEG = 8.8 LIMIT/SEG = 3.1 VTIP = 852.5
 WIFAN = 18907.5 WTGB = 2658.7 WITS = 11573.7
 WT AIRU = 33140.1

WT AIRI = 41925.2 W FUEL = 7930.7 WT TIP GEAR = 1509.
WT MAIN GEAR = 51726. WT WING = 259980.
WT SYS = 50856. WT STRUCT = 311706.
TOTAL WEIGHT = 562562. DEL WT = 11179.

FRACTION OF SW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
LIFT = 112350.0 L/A = 189.141 W/W = .253 HP = 31020.895
PJ = 419.939 QJ = 41675.237 A = 2.081
SHP/ENG = 22217.9 SHP TOTAL = 177081.6
NO FAN = 42.9 NO/SEG = 8.7 LIMIT/SEG = 3.1 VTIP = 751.4
WIFAN = 27906.9 WIGB = 3581.3 WITS = 20779.6
WT AIRU = 52267.8

WT AIRI = 85534.7 W FUEL = 14238.7 WT TIP GEAR = 3000.
WT MAIN GEAR = 47319. WT WING = 251500.
WT SYS = 81823. WT STRUCT = 298819.
TOTAL WEIGHT = 380643. DEL WT = 29260.

FRACTION OF SW/SIDE = .3000 CUSH HT = 73.9 GEAR HT = 123.2
LIFT = 149800.0 L/A = 252.189 W/W = .224 HP = 47363.736
PJ = 508.838 QJ = 47868.396 A = 2.138
SHP/ENG = 3315.7 SHP TOTAL = 264925.9
NO FAN = 42.8 NO/SEG = 8.7 LIMIT/SEG = 3.1 VTIP = 850.0
WIFAN = 36335.3 WIGB = 4335.6 WITS = 30930.1
WT AIRU = 73401.1
WT AIRI = 91751.4 W FUEL = 21194.1 WT TIP GEAR = 3000.
WT MAIN GEAR = 42956. WT WING = 287388.
WT SYS = 115945. WT STRUCT = 290304.
TOTAL WEIGHT = 406249. DEL WT = 54966.

FRACTION OF SW/SIDE = .7500 CUSH HT = 70.0 GEAR HT = 70.0
LIFT = 194740.0 L/A = 327.845 W/W = .212 HP = 57172.278
PJ = 694.826 QJ = 53127.595 A = 2.218
SHP/ENG = 46926.9 SHP TOTAL = 375415.4
NO FAN = 42.5 NO/SEG = 8.4 LIMIT/SEG = 3.1 VTIP = 966.5
WIFAN = 45761.3 WIGB = 13950.3 WITS = 43829.7
WT AIRU = 103541.3
WT AIRI = 129426.6 W FUEL = 30033.2 WT TIP GEAR = 3900.
WT MAIN GEAR = 38302. WT WING = 243900.
WT SYS = 163360. WT STRUCT = 282202.
TOTAL WEIGHT = 445562. DEL WT = 24179.

FRACTION OF SW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 70.0
LIFT = 224700.0 L/A = 378.283 W/W = .273 HP = 172024.286
PJ = 405.235 QJ = 61987.587 A = 1.982
SHP/ENG = 71373.2 SHP TOTAL = 570666.3
NO FAN = 43.5 NO/SEG = 8.9 LIMIT/SEG = 3.1 VTIP = 1106.2
WIFAN = 60943.2 WIGB = 47449.0 WITS = 66625.3
WT AIRU = 175017.5
WT AIRI = 218771.8 W FUEL = 45653.3 WT TIP GEAR = 4501.
WT MAIN GEAR = 77421. WT WING = 244553.
WT SYS = 268925. WT STRUCT = 282078.
TOTAL WEIGHT = 551000. DEL WT = 19417.

T = 8.0 INCHES T/W = .024242

THETA = 60.0 DEGREES 10% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5

LIFT = 37450.0 L/A = 63.047 H/W = .252 HP = 7090.104

PJ = 154.451 QJ = 25247.923 A = 1.990

SHP/ENG = 9957.3 SHP TOTAL = 39658.0

NO FAN = 42.9 NO/SEG = 8.7 LIMIT/SEG = 3.1 VTIP = 455.7

WIFAN = 10253.2 WTGB = 1819.8 WTS = 4630.1

WT AIRU = 16703.1

WT AIRI = 20878.8 WFUEL = 3172.6 WT TIP GEAR = 750.

WT MAIN GEAR = 55074. WT WING = 273500.

WT SYS = 24401. WT STRUCT = 324574.

TOTAL WEIGHT = 553375. DEL WT = 1992.

FRACTION OF SW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2

LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 19153.670

PJ = 360.505 QJ = 35056.020 A = 1.960

SHP/ENG = 13391.8 SHP TOTAL = 107130.8

NO FAN = 42.7 NO/SEG = 8.7 LIMIT/SEG = 3.1 VTIP = 635.6

WIFAN = 19857.7 WTGB = 2730.0 WTS = 12508.0

WT AIRU = 35095.7

WT AIRI = 43869.6 WFUEL = 8570.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 1726. WT WING = 259990.

WT SYS = 53940. WT STRUCT = 311704.

TOTAL WEIGHT = 365446. DEL WT = 14263.

FRACTION OF SW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0

LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 34271.336

PJ = 705.405 QJ = 35056.020 A = 1.960

SHP/ENG = 23961.8 SHP TOTAL = 191690.8

NO FAN = 42.6 NO/SEG = 8.6 LIMIT/SEG = 3.1 VTIP = 742.3

WIFAN = 29240.6 WTGB = 3832.3 WTS = 22380.3

WT AIRU = 55453.2

WT AIRI = 69316.5 WFUEL = 15335.6 WT TIP GEAR = 2250.

WT MAIN GEAR = 47319. WT WING = 251500.

WT SYS = 86902. WT STRUCT = 298819.

TOTAL WEIGHT = 385722. DEL WT = 34339.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2

LIFT = 149800.0 L/A = 252.181 H/W = .224 HP = 47324.336

PJ = 578.152 QJ = 48292.907 A = 2.069

SHP/ENG = 35493.7 SHP TOTAL = 283949.3

NO FAN = 42.4 NO/SEG = 8.6 LIMIT/SEG = 3.1 VTIP = 881.6

WIFAN = 37944.1 WTGB = 7046.0 WTS = 33151.1

WT AIRU = 78141.1

WT AIRI = 97676.4 WFUEL = 22715.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 42956. WT WING = 247348.

WT SYS = 123392. WT STRUCT = 290304.

TOTAL WEIGHT = 413696. DEL WT = 52313.

FRACTION OF SW/SIDE = .1500 CUSH HT = 70.0 GEAR HT = 78.0

LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 71484.303

PJ = 729.140 QJ = 53925.341 A = 2.152

SHP/ENG = 49993.8 SHP TOTAL = 394970.5

NO FAN = 42.1 NO/SEG = 8.5 LIMIT/SEG = 3.1 VTIP = 990.1

WTFAN = 87581.5 WTGB = 16562.3 WTS = 46084.9

WT AIRU = 110828.7

WT AIRI = 138535.9 WFUEL = 31989.6 WT TIP GEAR = 3903.

WT MAIN GEAR = 38302. WT WING = 243900.

WT SYS = 178826. WT STRUCT = 262202.

TOTAL WEIGHT = 456627. DEL WT = 135841.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 378.283 H/W = .273 HP = 112347.452

PJ = 948.208 QJ = 63489.948 A = 1.785

SHP/ENG = 49993.8 SHP TOTAL = 394970.5

NO FAN = 43.2 NO/SEG = 8.8 LIMIT/SEG = 3.1 VTIP = 1140.9

WTFAN = 69717.5 WTGB = 62817.0 WTS = 73170.7

WT AIRU = 220705.2

WT AIRI = 250881.5 WFUEL = 50138.4 WT TIP GEAR = 4503.

WT MAIN GEAR = 77821. WT WING = 244453.

WT SYS = 305920. WT STRUCT = 282074.

TOTAL WEIGHT = 587594. DEL WT = 236211.

T = 10.0 INCHES T/W = .030303

THETA = 15.0 DEGREE 12% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 63.2 GEAR HT = 169.5

LIFT = 37450.0 L/A = 63.097 H/W = .252 HP = 6103.784

PJ = 119.313 QJ = 28136.813 A = 1.903

SHP/ENG = 4267. SHP TOTAL = 34141.1

NO FAN = 54.8 NO/SEG = 11.4 LIMIT/SEG = 3.1 VTIP = 800.5

WTFAN = 10042.9 WTGB = 1778.9 WTS = 1778.9

WT AIRU = 15825.8

WT AIRI = 19782.2 WFUEL = 2781.3 WT TIP GEAR = 550.5

WT MAIN GEAR = 55074. WT WING = 273500.

WT SYS = 23264. WT STRUCT = 328574.

TOTAL WEIGHT = 351337. DEL WT = 450.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2

LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 16763.900

PJ = 234.599 QJ = 39301.779 A = 1.951

SHP/ENG = 11721.0 SHP TOTAL = 93757.7

NO FAN = 54.2 NO/SEG = 11.5 LIMIT/SEG = 3.1 VTIP = 5616.4

WTFAN = 19670.5 WTGB = 2739.4 WTS = 10947.4

WT AIRU = 33357.3

WT AIRI = 41696.6 WFUEL = 7501.4 WT TIP GEAR = 1500.

WT MAIN GEAR = 51725. WT WING = 259980.

WT SYS = 50698. WT STRUCT = 331724.

TOTAL WEIGHT = 362404. DEL WT = 11021.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 136.0

LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 302766350

PJ = 348.453 QJ = 47788.350 A = 1.979

SHP/ENG = 21168.6 SHP TOTAL = 369348.6

NO FAN = 54.0 NO/SEG = 11.5 LIMIT/SEG = 3.1 VTIP = 600.4

WTFAN = 20189.7 WTGB = 3580.2 WTS = 10271.5

WT AIRU = 52501.9

WT AIRI = 65626.7 WFUEL = 13547.9 WT TIP GEAR = 2250.

WT MAIN GEAR = 97319. WT WING = 251500.

WT SYS = 81425. WT STRUCT = 298819.

TOTAL WEIGHT = 380244. DEL WT = 28861.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.0 GEAR HT = 113.2

LIFT = 149800.0 L/A = 252.189 M/W = .224 HP = 45053.627

PJ = 957.925 QJ = 54593.047 A = 2.021

SHP/ENG = 3170.2 SHP TOTAL = 254241.8

NO FAN = 53.8 NO/SEG = 11.5 LIMIT/SEG = 3.1 VTIP = 784.6

WTFAN = 38174.6 WTGR = 5934.1 WTIS = 29582.7

WT AIRU = 73791.9 WT AIRI = 92239.3 WFUEL = 20339.3 WT TIP GEAR = 3000.

WT MAIN GEAR = 82956. WT WING = 287388.

WT SYS = 115579. WT STRUCT = 290304.

TOTAL WEIGHT = 405882. DEL WT = 54499.

FRACTION OF GW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0

LIFT = 194740.0 L/A = 327.845 M/W = .212 HP = 65133.413

PJ = 583.907 QJ = 51351.219 A = 2.090

SHP/ENG = 45579.9 SHP TOTAL = 364319.4

NO FAN = 53.6 NO/SEG = 11.4 LIMIT/SEG = 3.1 VTIP = 884.0

WTFAN = 48443.4 WTGR = 85606.8 WTIS = 42584.7

WT AIRU = 104584.5 WT AIRI = 130730.6 WFUEL = 29145.5 WT TIP GEAR = 3900.

WT MAIN GEAR = 38302. WT WING = 243900.

WT SYS = 163776. WT STRUCT = 282202.

TOTAL WEIGHT = 445978. DEL WT = 94595.

FRACTION OF GW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 378.283 M/W = .273 HP = 93902.586

PJ = 735.183 QJ = 70249.760 A = 1.833

SHP/ENG = 65644.7 SHP TOTAL = 525237.8

NO FAN = 54.7 NO/SEG = 11.7 LIMIT/SEG = 3.1 VTIP = 994.2

WTFAN = 62241.9 WTGR = 39503.2 WTIS = 61321.5

WT AIRU = 163066.6 WT AIRI = 203833.3 WFUEL = 42019.0 WT TIP GEAR = 4500.

WT MAIN GEAR = 37421. WT WING = 244653.

WT SYS = 250352. WT STRUCT = 282074.

TOTAL WEIGHT = 532427. DEL WT = 38149.

T = 10.0 INCHES T/W = .030303

THETA = 30.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 63.2 GEAR HT = 164.5

LIFT = 37450.0 L/A = 63.047 M/W = .252 HP = 9903.665

PJ = 117.939 QJ = 27549.680 A = 1.983

SHP/ENG = 4177.7 SHP TOTAL = 33021.7

NO FAN = 53.6 NO/SEG = 11.4 LIMIT/SEG = 3.1 VTIP = 398.0

WTFAN = 9774.2 WTGR = 1759.2 WTIS = 3855.3

WT AIRU = 15388.7 WT AIRI = 19235.8 WFUEL = 2641.7 WT TIP GEAR = 750.

WT MAIN GEAR = 55074. WT WING = 273500.

WT SYS = 22628. WT STRUCT = 32659.
TOTAL WEIGHT = 351201. DEL WT = -182.

FRACTION OF BW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 16151.806
PJ = 231.219 QJ = 38420.173 A = 2.080
SHP/ENG = 11293.0 SHP TOTAL = 90348.0
NO FAN = 53.3 NO/SEG = 11.3 LIMIT/SEG = 3.1 VTIP = 557.5
WTFAN = 19090.2 WTGB = 2495.8 WTS = 10347.7
WT AIRU = 32333.7
WT AIRI = 40817.2 WFUEL = 7227.5 WT TIP GEAR = 1507.
WT MAIN GEAR = 51724. WT WING = 259280.
WT SYS = 89145. WT STRUCT = 511708.
TOTAL WEIGHT = 360851. DEL WT = 9468.

FRACTION OF BW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
LIFT = 112350.0 L/A = 189.141 H/W = .237 HP = 29107.634
PJ = 343.038 QJ = 46668.898 A = 2.073
SHP/ENG = 20351.4 SHP TOTAL = 162811.6
NO FAN = 53.2 NO/SEG = 11.3 LIMIT/SEG = 3.1 VTIP = 679.1
WTFAN = 28244.8 WTGB = 3471.1 WTS = 19008.3
WT AIRU = 50724.1
WT AIRI = 63405.2 WFUEL = 13024.9 WT TIP GEAR = 2253.
WT MAIN GEAR = 47319. WT WING = 232500.
WT SYS = 78680. WT STRUCT = 298819.
TOTAL WEIGHT = 377500. DEL WT = 26117.

FRACTION OF BW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
LIFT = 149800.0 L/A = 252.104 H/W = .221 HP = 42174.365
PJ = 450.072 QJ = 55255.240 A = 2.124
SHP/ENG = 30458.4 SHP TOTAL = 243667.1
NO FAN = 53.0 NO/SEG = 11.2 LIMIT/SEG = 3.1 VTIP = 777.9
WTFAN = 36904.6 WTGB = 5489.0 WTS = 28448.1
WT AIRU = 70841.9
WT AIRI = 85552.2 WFUEL = 19493.4 WT TIP GEAR = 3002.
WT MAIN GEAR = 42956. WT WING = 247348.
WT SYS = 111096. WT STRUCT = 290304.
TOTAL WEIGHT = 401349. DEL WT = 9966.

FRACTION OF BW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 78.0
LIFT = 194740.0 L/A = 327.445 H/W = .212 HP = 52174.365
PJ = 572.710 QJ = 59708.935 A = 2.194
SHP/ENG = 43471.0 SHP TOTAL = 347768.1
NO FAN = 52.7 NO/SEG = 11.2 LIMIT/SEG = 3.1 VTIP = 877.5
WTFAN = 42692.5 WTGB = 52972.5 WTS = 40401.9
WT AIRU = 99267.2
WT AIRI = 124084.0 WFUEL = 27821.4 WT TIP GEAR = 3903.
WT MAIN GEAR = 79302. WT WING = 243900.
WT SYS = 155805. WT STRUCT = 262202.
TOTAL WEIGHT = 438007. DEL WT = 86524.

FRACTION OF BW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
LIFT = 224700.0 L/A = 378.283 H/W = .273 HP = 52174.365

PJ = 728.518 QJ = 64992.042 A = 1.999
 SHP/ENG = 63993.5 SHP TOTAL = 511228.4
 NO FAN = 53.9 NO/SEG = 11.5 LIMIT/SEG = 3.1 VTIP = 980.7
 WIFAN = 60859.0 WIGB = 36274.5 WITS = 59683.9
 WT AIRU = 156814.4
 WT AIRI = 196018.0 WFUEL = 40998.3 WT TIP GEAR = 450.
 WT MAIN GEAR = 77421. WT WING = 244553.
 WT SYS = 241416. WT STRUCT = 282074.
 TOTAL WEIGHT = 523491. DEL WT = 172108.

T = 10.0 INCHES T/W = .030303
 THETA = 85.0 DEGREES 102 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 83.2 GEAR HT = 169.5
 LIFT = 37450.0 L/A = 63.097 H/W = .252 HP = 6068.851
 PJ = 121.040 QJ = 27576.495 A = 1.978
 SHP/ENG = 4203.2 SHP TOTAL = 33915.7
 NO FAN = 52.9 NO/SEG = 11.2 LIMIT/SEG = 3.1 VTIP = 903.4
 WIFAN = 4913.4 WIGB = 1778.5 WITS = 3963.2
 WT AIRU = 15655.5
 WT AIRI = 19569.4 WFUEL = 2715.7 WT TIP GEAR = 75.
 WT MAIN GEAR = 55074. WT WING = 273500.
 WT SYS = 23035. WT STRUCT = 328574.
 TOTAL WEIGHT = 351609. DEL WT = 224.

FRACTION OF GW/SIDE = .0500 CUSH HT = 79.2 GEAR HT = 158.2
 LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 16526.190
 PJ = 236.861 QJ = 34374.443 A = 2.043
 SHP/ENG = 11544.8 SHP TOTAL = 92438.1
 NO FAN = 52.9 NO/SEG = 11.2 LIMIT/SEG = 3.1 VTIP = 903.4
 WIFAN = 19298.7 WIGB = 2704.0 WITS = 10742.2
 WT AIRU = 32799.4
 WT AIRI = 40999.9 WFUEL = 7395.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 51726. WT WING = 259980.
 WT SYS = 40995. WT STRUCT = 311706.
 TOTAL WEIGHT = 361601. DEL WT = 10218.

FRACTION OF GW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 138.0
 LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 297046215
 PJ = 350.821 QJ = 46560.911 A = 2.081
 SHP/ENG = 20766. SHP TOTAL = 166108.5
 NO FAN = 52.5 NO/SEG = 11.1 LIMIT/SEG = 3.1 VTIP = 488.8
 WIFAN = 28499.8 WIGB = 3512.2 WITS = 19397.8
 WT AIRU = 51409.8
 WT AIRI = 54262.3 WFUEL = 13291.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 47319. WT WING = 251500.
 WT SYS = 79804. WT STRUCT = 298814.
 TOTAL WEIGHT = 378624. DEL WT = 27241.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 113.2
 LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 44289.058
 PJ = 454.582 QJ = 53025.575 A = 2.138
 SHP/ENG = 30966.0 SHP TOTAL = 247727.4
 NO FAN = 52.2 NO/SEG = 11.1 LIMIT/SEG = 3.1 VTIP = 785.9

WTFAN = 37137.5 WTGR = 5632.5 WTTS = 28922.2

WT AIRU = 71692.2

WT AIRI = 89615.3 WFUEL = 19818.2 WT TIP GEAR = 3000.

WT MAIN GEAR = 12956. WT WING = 287582.

WT SYS = 112430. WT STRUCT = 290304.

TOTAL WEIGHT = 402737. DEL WT = 51354.

FRACTION OF GW/SIDE = .1300 CUSH MT = 70.0 GEAR MT = 78.0

LIFT = 198780.0 L/A = 327.885 H/W = .212 HP = 429051.983

PJ = 582.981 QJ = 59397.198 A = 2.218

SHP/ENG = 43982.5 SHP TOTAL = 351860.4

NO FAN = 51.9 NO/SEG = 11.0 LIMIT/SEG = 3.1 VTIP = 885.3

WTFAN = 46828.9 WTGR = 12302.9 WTTS = 287582.

WT AIRU = 100206.5

WT AIRI = 125258.2 WFUEL = 28188.8 WT TIP GEAR = 3000.

WT MAIN GEAR = 38302. WT WING = 243900.

WT SYS = 157307. WT STRUCT = 282202.

TOTAL WEIGHT = 439509. DEL WT = 88126.

FRACTION OF GW/SIDE = .1500 CUSH MT = 90.0 GEAR MT = 78.0

LIFT = 224700.0 L/A = 378.263 H/W = .273 HP = 98679.996

PJ = 751.780 QJ = 69267.569 A = 1.882

SHP/ENG = 66109.3 SHP TOTAL = 527595.2

NO FAN = 51.3 NO/SEG = 11.3 LIMIT/SEG = 3.1 VTIP = 1005.3

WTFAN = 62060.5 WTGR = 40202.6 WTTS = 51829.2

WT AIRU = 164092.3

WT AIRI = 205115.4 WFUEL = 42366.9 WT TIP GEAR = 4500.

WT MAIN GEAR = 37421. WT WING = 248653.

WT SYS = 251982. WT STRUCT = 282078.

TOTAL WEIGHT = 574257. DEL WT = 32678.

T = 10.0 INCHES T/W = .030303

THETA = 60.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 83.2 GEAR MT = 169.5

LIFT = 37450.0 L/A = 63.047 H/W = .252 HP = 6621.756

PJ = 129.118 QJ = 28207.326 A = 1.890

SHP/ENG = 4629.8 SHP TOTAL = 37038.3

NO FAN = 52.4 NO/SEG = 11.1 LIMIT/SEG = 3.1 VTIP = 916.0

WTFAN = 10473.8 WTGR = 1858.3 WTTS = 1328.2

WT AIRU = 14651.9

WT AIRI = 20814.9 WFUEL = 2963.1 WT TIP GEAR = 753.

WT MAIN GEAR = 55078. WT WING = 273500.

WT SYS = 24528. WT STRUCT = 328574.

TOTAL WEIGHT = 353102. DEL WT = 1719.

FRACTION OF GW/SIDE = .0500 CUSH MT = 79.2 GEAR MT = 158.2

LIFT = 74900.0 L/A = 126.094 H/W = .240 HP = 17925.212

PJ = 251.745 QJ = 39162.178 A = 1.960

SHP/ENG = 12532.9 SHP TOTAL = 100263.5

NO FAN = 52.1 NO/SEG = 11.0 LIMIT/SEG = 3.1 VTIP = 581.8

WTFAN = 20304.3 WTGR = 2779.2 WTTS = 11705.8

WT AIRU = 34789.2

WT AIRI = 43686.5 WFUEL = 8021.1 WT TIP GEAR = 583.

WT MAIN GEAR = 51726. WT WING = 259980.
WT SYS = 53008. WT STRUCT = 311706.
TOTAL WEIGHT = 364713. DEL WT = 133330.

FRACTION OF SW/SIDE = .0750 CUSH HT = 77.0 GEAR HT = 136.0
LIFT = 112350.0 L/A = 189.141 H/W = .233 HP = 32112.189
PJ = 372.177 QJ = 47455.169 A = 2.002
SHP/ENG = 22452.2 SHP TOTAL = 179617.4
NO FAN = 51.9 NO/SEG = 11.0 LIMIT/SEG = 3.1 VTIP = 707.8
WTFAN = 29915.6 WTGR = 3728.4 WTS = 20970.3
WT AIRU = 54614.3
WT AIRI = 69267.9 WFUEL = 14369.9 WT TIP GEAR = 2251.
WT MAIN GEAR = 51726. WT WING = 259980.
WT SYS = 53008. WT STRUCT = 311706.
TOTAL WEIGHT = 364713. DEL WT = 133330.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.9 GEAR HT = 143.2
LIFT = 149800.0 L/A = 252.189 H/W = .224 HP = 47653.546
PJ = 485.967 QJ = 53993.266 A = 2.065
SHP/ENG = 3338.1 SHP TOTAL = 266599.7
NO FAN = 51.6 NO/SEG = 10.9 LIMIT/SEG = 3.1 VTIP = 808.2
WTFAN = 38859.0 WTGR = 6438.5 WTS = 31119.1
WT AIRU = 76911.6
WT AIRI = 95514.6 WFUEL = 21385.0 WT TIP GEAR = 3403.
WT MAIN GEAR = 42956. WT WING = 247348.
WT SYS = 119838. WT STRUCT = 290304.
TOTAL WEIGHT = 410192. DEL WT = 58759.

FRACTION OF SW/SIDE = .1300 CUSH HT = 70.0 GEAR HT = 150.0
LIFT = 194740.0 L/A = 327.845 H/W = .212 HP = 47275.062
PJ = 614.348 QJ = 60228.573 A = 2.152
SHP/ENG = 47037.3 SHP TOTAL = 376298.5
NO FAN = 51.3 NO/SEG = 10.8 LIMIT/SEG = 3.1 VTIP = 908.9
WTFAN = 48780.9 WTGR = 14700.5 WTS = 43932.9
WT AIRU = 107419.2
WT AIRI = 134267.8 WFUEL = 30103.9 WT TIP GEAR = 3403.
WT MAIN GEAR = 38302. WT WING = 243900.
WT SYS = 168272. WT STRUCT = 282202.
TOTAL WEIGHT = 450474. DEL WT = 99091.

FRACTION OF SW/SIDE = .1500 CUSH HT = 90.0 GEAR HT = 78.0
LIFT = 224700.0 L/A = 378.283 H/W = .273 HP = 124321.967
PJ = 806.787 QJ = 71117.997 A = 1.785
SHP/ENG = 72939.7 SHP TOTAL = 583517.9
NO FAN = 52.8 NO/SEG = 11.2 LIMIT/SEG = 3.1 VTIP = 1091.5
WTFAN = 66008.4 WTGR = 53759.4 WTS = 68125.7
WT AIRU = 187892.5
WT AIRI = 234865.6 WFUEL = 46681.9 WT TIP GEAR = 4502.
WT MAIN GEAR = 37421. WT WING = 244553.
WT SYS = 286047. WT STRUCT = 282074.
TOTAL WEIGHT = 568121. DEL WT = 216739.

DDVRS 000000 FPDF 000000 FPUF 000000 ERND 000000

RELTEL 1.220

ELT017 RLTH70 07/23-14:41-10.7

000001	000	1498000.	1188.	1.571	330.		
000002	000	060309000620			20% SEMISPAN		
000003	000	.025	.050	.075	.100	.13	.15
000004	000	95.3	91.0	86.8	82.5	76.1	72.0
000005	000	2.	4.	6.	8.	10.	
000006	000	25.	30.	45.	60.		
000007	000	.025	.050	.075	.100	.13	.15
000008	000	171.4	162.8	147.5	126.0	98.0	78.
000009	000	.025	.050	.075	.100	.13	.15
000010	000	27690.	262027.	251351.	247340.	245600.	247351.

END ELT.

TASK UNITS: 0 PS* SIZE: 6144

BYOT

GW = 1498000.000 LBS CUSHION AREA = 1144.0 SQUARE FEET
SHEEP = 40.0 DEGREES L/W = 1.571 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061

THEFT = 15.0 DEGREES 20% SEMI-SAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6

LIFT = 37450.0 L/A = 31.324 H/W = .6287 HP = 85326158

PJ = 338.281 QJ = 13876.240 A = 2.156

SHP/ENG = 5965.5 SHP TOTAL = 47724.0

NO FAN = 15.0 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 674.3

MTFAN = 4338.5 MTGB = 1543.6 MTTS = 5371.8

WT AIRU = 15473.9

WT MAIN GEAR = 55458.0 WT WING = 276900.0

WT SYS = 23910.0 WT STRUCT = 332358.0

TOTAL WEIGHT = 356.68. DEL WT = 4885.

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6

LIFT = 74900.0 L/A = 63.047 H/W = .6278 HP = 27434.527

PJ = 663.473 QJ = 19476.540 A = 2.200

SHP/ENG = 15346.0 SHP TOTAL = 131079.4

NO FAN = 15.9 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 944.4

MTFAN = 16351.1 MTGB = 2498.5 MTTS = 15303.5

WT AIRU = 34153.0 WT WING = 276900.0

WT MAIN GEAR = 52498.0 WT TIP GEAR = 1500.0

WT SYS = 54478.0 WT STRUCT = 315325.0

TOTAL WEIGHT = 570002.0 DEL WT = 18619.

FRACTION OF GW/SIDE = .0750 CUSH HT = 95.3 GEAR HT = 171.6

LIFT = 112350.0 L/A = 94.571 H/W = .6243 HP = 410736659

PJ = 965.004 QJ = 23476.773 A = 2.273

SHP/ENG = 28717.8 SHP TOTAL = 229702.8

NO FAN = 15.4 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1139.0

MTFAN = 23763.0 MTGB = 4103.1 MTTS = 26924.5

WT AIRU = 54698.6

WT MAIN GEAR = 48700.0 WT WING = 251351.0

WT SYS = 88990.0 WT STRUCT = 300051.0

TOTAL WEIGHT = 389041.0 DEL WT = 37658.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.5 GEAR HT = 126.0

LIFT = 147800.0 L/A = 126.099 H/W = .6250 HP = 60988.350

PJ = 1251.120 QJ = 26635.002 A = 2.341

SHP/ENG = 42362.1 SHP TOTAL = 358846.9

NO FAN = 15.0 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1246.4

MTFAN = 30785.2 MTGB = 4626.0 MTTS = 39566.2

WT AIRU = 74977.4

WT MAIN GEAR = 44472.0 WT WING = 247348.0

WT SYS = 126834.0 WT STRUCT = 241820.0

TOTAL WEIGHT = 420633.0 DEL WT = 64274.

FRACTION OF BW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 96.0
 LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 83758.753
 PJ = 1553.874 QJ = 29644.975 A = 2.457
 SHP/ENG = 58559.9 SHP TOTAL = 468471.0
 NO FAN = 15.9 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1445.4
 WTFAN = 38185.6 WTGB = 20155.6 WTS = 54694.0
 WT AIRU = 113035.2
 WT ATRI = 141294.0 WFUEL = 37477.7 WT TIP GEAR = 3900.
 WT MAIN GEAR = 39987. WT WING = 245600.
 WT SYS = 182672. WT STRUCT = 285587.
 TOTAL WEIGHT = 468259. DEL WT = 116976.

FRACTION OF BW/SIDE = .1500 CUSH HT = 77.2 GEAR HT = 96.0
 LIFT = 224700.0 L/A = 189.141 H/W = .218 HP = 48638.211
 PJ = 1736.314 QJ = 31307.342 A = 2.542
 SHP/ENG = 69173.5 SHP TOTAL = 552828.1
 NO FAN = 15.9 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1527.6
 WTFAN = 42628.5 WTGB = 32388.7 WTS = 64542.7
 WT AIRU = 159559.9
 WT ATRI = 174449.8 WFUEL = 44226.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 37421. WT WING = 247351.
 WT SYS = 223176. WT STRUCT = 284772.
 TOTAL WEIGHT = 507949. DEL WT = 156565.

Y = 2.0 INCHES Y/W = .006061
 THETA = 30.0 DEGREES 203 SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6
 LIFT = 37450.0 L/A = 31.524 H/W = .289 HP = 78636893
 PJ = 528.839 QJ = 14744.804 A = 2.221
 SHP/ENG = 5498.3 SHP TOTAL = 45905.4
 NO FAN = 15.9 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1456.0
 WTFAN = 7890.5 WTGB = 1498.5 WTS = 5135.4
 WT AIRU = 14524.4
 WT ATRI = 18155.4 WFUEL = 3514.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 55458. WT WING = 276900.
 WT SYS = 22424. WT STRUCT = 332358.
 TOTAL WEIGHT = 359782. DEL WT = 3399.

FRACTION OF BW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 142.8
 LIFT = 74400.0 L/A = 63.047 H/W = .272 HP = 71522843
 PJ = 527.977 QJ = 18649.973 A = 2.537
 SHP/ENG = 15018.0 SHP TOTAL = 220384.3
 NO FAN = 15.9 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 918.8
 WTFAN = 15435.4 WTGB = 2391.4 WTS = 14054.9
 WT AIRU = 10951.0
 WT ATRI = 39852.3 WFUEL = 4630.7 WT TIP GEAR = 3500.
 WT MAIN GEAR = 52499. WT WING = 262827.
 WT SYS = 50993. WT STRUCT = 315325.
 TOTAL WEIGHT = 354708. DEL WT = 14925.

FRACTION OF BW/SIDE = .0750 CUSH HT = 88.8 GEAR HT = 147.5
 LIFT = 812350.0 L/A = 94.571 H/W = .263 HP = 37514.720
 PJ = 910.115 QJ = 22670.884 A = 2.823

SHP/ENG = 26229.5 SHP TOTAL = 207936.1

NO FAN = 19.9 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1105.1
WTFAN = 22348.9 WTGB = 3691.8 WTS = 24498.8
WT AIRU = 50489.3

WT AIRI = 53111.4 WFUEL = 15755.9 WT TIP GEAR = 2256.
WT MAIN GEAR = 49700. WT WING = 251351.
WT SYS = 82144. WT STRUCT = 300051.

TOTAL WEIGHT = 1382144. DEL WT = 30816.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.9 GEAR HT = 126.0
LIFT = 149800.0 L/A = 126.094 H/W = .250 HP = 550714513
PJ = 1176.274 QJ = 25750.245 A = 2.505

SHP/ENG = 30838.2 SHP TOTAL = 308382.1
NO FAN = 15.8 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1257.5
WTFAN = 28958.6 WTGB = 6943.8 WTS = 35953.5
WT AIRU = 71766.0

WT AIRI = 89707.5 WFUEL = 24643.1 WT TIP GEAR = 3000.
WT MAIN GEAR = 84472. WT WING = 247348.

WT SYS = 117351. WT STRUCT = 240182. TOTAL WEIGHT = 1409170. DEL WT = 57787.

FRACTION OF GW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0
LIFT = 124740.0 L/A = 163.923 H/W = .231 HP = 75556.926

SHP/ENG = 32827.8 SHP TOTAL = 428622.4
NO FAN = 15.8 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1398.1
WTFAN = 35513.5 WTGB = 15148.4 WTS = 47341.2

WT AIRU = 100103.4
WT AIRI = 125129.2 WFUEL = 33809.8 WT TIP GEAR = 3900.

WT SYS = 162839. WT STRUCT = 285387. TOTAL WEIGHT = 448226. DEL WT = 97043.

FRACTION OF GW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0
LIFT = 224700.0 L/A = 169.141 H/W = .228 HP = 68714524

PJ = 1619.294 QJ = 30132.268 A = 2.743
SHP/ENG = 62027.3 SHP TOTAL = 198218.7
NO FAN = 15.8 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1475.5

WTFAN = 39521.8 WTGB = 23698.7 WTS = 57933.5
WT AIRU = 121254.1

WT AIRI = 151567.8 WFUEL = 34872.9 WT TIP GEAR = 4900.
WT MAIN GEAR = 37421. WT WING = 247351.

WT SYS = 195765. WT STRUCT = 284772. TOTAL WEIGHT = 480537. DEL WT = 107155.

T = 2.0 INCHES L/W = 1.000001
THETA = 45.0 DEGREES 202 SEMISPAN

FRACTION OF GW/SIDE = .1850 CUSH HT = 95.9 GEAR HT = 171.0
LIFT = 37450.0 L/A = 31.524 H/W = .289 HP = 7710.335
PJ = 317.099 QJ = 13373.394 A = 1.321

SHP/ENG = 9590.9 SHP TOTAL = 431272.7
NO FAN = 15.8 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 652.9
WTFAN = 7781.8 WTGB = 1482.4 WTS = 5035.1

WT AIRU = 10299.3
WT AIRI = 17874.1 WFUEL = 3450.2 WT TIP GEAR = 750.
WT MAIN GEAR = 55458. WT WING = 276900.
WT SYS = 22074. WT STRUCT = 332358.
TOTAL WEIGHT = 350032. DEL WT = 3049.

FRACTION OF SW/SIDE = .0500 CUSH HT = 71.4 GEAR HT = 14.0
LIFT = 74900.0 L/A = 63.047 H/W = .278 HP = 21020.542
PJ = 519.110 QJ = 19674.072 A = 2.381
SHP/ENG = 14697.1 SHP TOTAL = 117577.0
NO FAN = 15.6 VC/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 912.3
WTFAN = 15193.2 WTGR = 2363.4 WTS = 13727.1

WT AIRU = 31092.1 WFUEL = 9406.2 WT TIP GEAR = 1500.
WT AIRI = 39092.1 WFUEL = 9406.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 52498. WT WING = 262827.
WT SYS = 49996. WT STRUCT = 315325.
TOTAL WEIGHT = 365523. DEL WT = 13940.

FRACTION OF SW/SIDE = .0750 CUSH HT = 86.8 GEAR HT = 147.5
LIFT = 112350.0 L/A = 98.571 H/W = .263 HP = 36421.405
PJ = 497.773 QJ = 22412.596 A = 2.479
SHP/ENG = 25455.1 SHP TOTAL = 203720.7
NO FAN = 15.6 VC/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1096.2
WTFAN = 21895.0 WTGR = 3516.7 WTS = 23704.8

WT AIRU = 49196.1 WFUEL = 16297.7 WT TIP GEAR = 2250.
WT AIRI = 61495.1 WFUEL = 16297.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 48700. WT WING = 251351.
WT SYS = 80043. WT STRUCT = 300051.
TOTAL WEIGHT = 390194. DEL WT = 26711.

FRACTION OF SW/SIDE = .1000 CUSH HT = 102.5 GEAR HT = 172.0
LIFT = 147800.0 L/A = 126.094 H/W = .250 HP = 53164.019
PJ = 1151.249 QJ = 25410.630 A = 2.572
SHP/ENG = 37193.6 SHP TOTAL = 297509.2
NO FAN = 15.8 VC/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 1266.1
WTFAN = 29173.5 WTGR = 5447.5 WTS = 34734.2
WT AIRU = 69355.0 WFUEL = 23800.7 WT TIP GEAR = 3000.
WT AIRI = 86693.7 WFUEL = 23800.7 WT TIP GEAR = 3000.
WT MAIN GEAR = 44472. WT WING = 247348.
WT SYS = 113494. WT STRUCT = 291820.

TOTAL WEIGHT = 465314. DEL WT = 13931.

FRACTION OF SW/SIDE = .1300 CUSH HT = 118.1 GEAR HT = 195.0
LIFT = 191740.0 L/A = 163.923 H/W = .231 HP = 72390.639
PJ = 1015.542 QJ = 24177.327 A = 2.729
SHP/ENG = 50514.0 SHP TOTAL = 404912.2
NO FAN = 15.8 VC/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1379.5
WTFAN = 34590.1 WTGR = 13494.2 WTS = 47273.5
WT AIRU = 95347.8 WFUEL = 32393.0 WT TIP GEAR = 3000.
WT AIRI = 112144.8 WFUEL = 32393.0 WT TIP GEAR = 3000.
WT MAIN GEAR = 70487. WT WING = 245600.
WT SYS = 155478. WT STRUCT = 285587.
TOTAL WEIGHT = 441065. DEL WT = 59682.

FRACTION OF SW/SIDE = .1500 CUSH HT = 12.8 GEAR HT = 78.0
LIFT = 228700.0 L/A = 189.141 H/W = .218 HP = 69595.297
PJ = 1571.183 QJ = 29595.971 A = 2.844
SHP/ENG = 5912.3 SHP TOTAL = 472878.4
NO FAN = 15.8 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1453.0
WTFAN = 34333.5 WTGR = 20659.4 WTS = 55210.9
WT AIRU = 214202.8
WT AIRI = 142753.5 WFUEL = 37831.9 WT TIP GEAR = 4500.
WT MAIN GEAR = 37421. WT WING = 247351.
WT SYS = 185065. WT STRUCT = 284772.
TOTAL WEIGHT = 469958. DEL WT = 118475.

E = 2.0 INCHES T/M = .006061
THETA = 60.0 DEGREES 20% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6
LIFT = 37450.0 L/A = 31.524 H/W = .289 HP = 8929.024
PJ = 126.141 QJ = 2405.024 A = 2.844
SHP/ENG = 5613.7 SHP TOTAL = 44909.8
NO FAN = 15.8 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 662.2
WTFAN = 7470.5 WTGR = 1513.4 WTS = 5243.2
WT AIRU = 10744.9
WT AIRI = 15433.6 WFUEL = 3592.8 WT TIP GEAR = 753.
WT SYS = 22778. WT STRUCT = 332358.
TOTAL WEIGHT = 355138. DEL WT = 3751.6

FRACTION OF SW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.8
LIFT = 104.924 L/A = 104.924 H/W = .289 HP = 2533.5
PJ = 15237.3 QJ = 221898.3 A = 2.844
SHP/ENG = 15237.3 SHP TOTAL = 121898.3
NO FAN = 15.8 NO/SEG = 2.0 LIMIT/SEG = 6.2 VTIP = 923.9
WTFAN = 15544.0 WTGR = 2404.6 WTS = 14231.7
WT AIRU = 32180.2
WT AIRI = 40235.2 WFUEL = 1732.9 WT TIP GEAR = 1409.
WT MAIN GEAR = 52008. WT WING = 252527.
WT SYS = 51477. WT STRUCT = 315925.
TOTAL WEIGHT = 356802. DEL WT = 15419.

FRACTION OF SW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6
LIFT = 112358.0 L/A = 90.571 H/W = .289 HP = 137505.498
PJ = 912.509 QJ = 22605.112 A = 2.837
SHP/ENG = 2523.4 SHP TOTAL = 201786.9
NO FAN = 15.8 NO/SEG = 1.0 LIMIT/SEG = 6.2 VTIP = 1107.6
WTFAN = 22313.4 WTGR = 7434.6 WTS = 24492.6
WT AIRU = 50444.1
WT AIRI = 63056.4 WFUEL = 16783.0 WT TIP GEAR = 2250.
WT MAIN GEAR = 44700. WT WING = 251351.
WT SYS = 42059. WT STRUCT = 300011.
TOTAL WEIGHT = 382140. DEL WT = 30757.

FRACTION OF SW/SIDE = .1000 CUSH HT = 82.5 GEAR HT = 146.0
LIFT = 147800.0 L/A = 126.094 H/W = .250 HP = 54450.314

PJ = 1170.942 QJ = 1577.965 A = 2.538

SHP/ENG = 38073.3 SHP TOTAL = 354586.5

NO FAN = 15.8 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1250.7

WTFAN = 28600.0 WTGR = 6772.2 WTS = 35560.5

WT AIRU = 70932.7

WT AIRI = 25665.9 WFUEL = 24365.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 64472. WT WING = 247346.

WT SYS = 116033. WT STRUCT = 291820.

TOTAL WEIGHT = 407653. DEL WT = 56970.

FRACTION OF SW/SIDE = .1300 CUSH HT = 76.1 SEAR HT = 98.0

LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 73454.574

SHP/ENG = 51357.9 SHP TOTAL = 410863.2

NO FAN = 15.7 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1387.2

WTFAN = 34893.7 WTGR = 14023.0 WTS = 47968.3

WT AIRU = 95844.9

WT AIRI = 32106.2 WFUEL = 32969.1 WT TIP GEAR = 3900.

WT MAIN GEAR = 30987. WT WING = 245600.

WT SYS = 157675. WT STRUCT = 245587.

TOTAL WEIGHT = 443462. DEL WT = 92079.

FRACTION OF SW/SIDE = .1500 CUSH HT = 72.0 SEAR HT = 78.0

LIFT = 228700.0 L/A = 163.923 H/W = .231 HP = 73454.574

PJ = 1382.589 QJ = 29637.485 A = 2.538

SHP/ENG = 59630.1 SHP TOTAL = 477046.9

NO FAN = 15.7 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1458.7

WTFAN = 38528.5 WTGR = 21141.0 WTS = 55694.5

WT AIRU = 115384.1

WT AIRI = 34920.0 WFUEL = 34920.0 WT TIP GEAR = 3900.

WT MAIN GEAR = 37421. WT WING = 247346.

WT SYS = 186893. WT STRUCT = 245587.

TOTAL WEIGHT = 471666. DEL WT = 120283.

THETA = 15.0 DEGREES 203 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 95.3 SEAR HT = 171.6

LIFT = 37450.0 L/A = 31.524 H/W = .239 HP = 6193.452

PJ = 173.614 QJ = 19622.262 A = 2.156

SHP/ENG = 4320.7 SHP TOTAL = 14635.2

NO FAN = 31.4 NO/SEG = 5.9 LIMIT/SEG = 6.2 VTIP = 883.7

WTFAN = 8448.5 WTGR = 1566.1 WTS = 4044.7

WT AIRU = 14059.5

WT AIRI = 17574.3 WFUEL = 2771.6 WT TIP GEAR = 750.

WT MAIN GEAR = 54454. WT WING = 276900.

WT SYS = 21096. WT STRUCT = 332338.

TOTAL WEIGHT = 353154. DEL WT = 2071.

FRACTION OF SW/SIDE = .0500 CUSH HT = 91.9 SEAR HT = 162.9

LIFT = 74900.0 L/A = 63.047 H/W = .278 HP = 17028.958

PJ = 540.942 QJ = 27470.723 A = 2.209

SHP/ENG = 11906.3 SHP TOTAL = 95250.3

NO FAN = 31.4 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 471.2

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6 WFUEL = 7620.0 WT TIP GEAR = 1500.

WT MAIN GEAR = 42498. WT WING = 262827.

WT SYS = 46505. WT STRUCT = 355325.

TOTAL WEIGHT = 362132. DEL WT = 10749.

FRACTION OF GW/SIDE = .0750 CUSH WT = 86.8 GEAR HT = 347.5

LIFT = 112350.0 L/A = 94.571 H/W = .263 HP = 29894.230

PJ = 405.558 OJ = 3312.956 A = 2.273

SHP/ENG = 20901.4 SHP TOTAL = 167211.4

NO FAN = 31.3 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 817.2

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

FRACTION OF GW/SIDE = .0000 CUSH WT = 82.5 GEAR HT = 126.0

LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 61203.977

PJ = 403.637 OJ = 37543.200 A = 2.341

SHP/ENG = 3078.1 SHP TOTAL = 247025.0

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

FRACTION OF GW/SIDE = .0000 CUSH WT = 76.1 GEAR HT = 96.0

LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 61203.977

PJ = 403.637 OJ = 37543.200 A = 2.457

SHP/ENG = 42702.9 SHP TOTAL = 342340.3

NO FAN = 31.2 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 1099.0

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

FRACTION OF GW/SIDE = .0000 CUSH WT = 72.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 159.141 H/W = .218 HP = 72359.387

PJ = 449.006 OJ = 44268.512 A = 2.542

SHP/ENG = 40592.2 SHP TOTAL = 404737.4

NO FAN = 3.2 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 1099.0

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

WTFAN = 25374.4 WTGR = 2454.7 WITS = 11120.5

WT WING = 30150.0

WT AIRI = 37687.6

WFUEL = 7620.0

WT TIP GEAR = 1500.

WT MAIN GEAR = 42498.

WT WING = 262827.

WT SYS = 46505.

WT STRUCT = 355325.

TOTAL WEIGHT = 362132.

DEL WT = 10749.

T = 8.0 INCHES T/W = .012121
THETA = 30.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .250 CUSH HT = 95.3 GEAR HT = 171.6
LIFT = 37450.0 L/A = 31.524 M/W = .289 HP = 5737.525

PJ = 165.538 QJ = 19062.953 A = 2.280
SHP/ENG = 4011.6 SHP TOTAL = 32092.5
NO FAN = 31.3 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 471.8
JTFAN = 5014.5 WTGB = 1501.2 WTS = 3746.8
WT AIRU = 13262.5
WT AIRI = 14579.2 WFUEL = 2567.4 WT TIP GEAR = 750.

WT MAIN GEAR = 19896. WT WING = 33235.8
WT SYS = 19896. WT STRUCT = 33235.8
TOTAL WEIGHT = 352253. DEL WT = 870.

FRACTION OF GW/SIDE = .2500 CUSH HT = 91.9 GEAR HT = 142.8
LIFT = 74900.0 L/A = 63.047 M/W = .288 HP = 15928.937

PJ = 324.394 QJ = 24654.346 A = 2.337
SHP/ENG = 10901.7 SHP TOTAL = 87934.0
NO FAN = 31.2 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 663.4
JTFAN = 15597.2 WTGB = 2374.4 WTS = 10246.3
WT AIRU = 2635.9

WT AIRI = 35410.8 WFUEL = 7034.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 52498. WT WING = 262827.
WT SYS = 43950. WT STRUCT = 319325.
TOTAL WEIGHT = 359274. DEL WT = 7891.

FRACTION OF GW/SIDE = .2500 CUSH HT = 82.5 GEAR HT = 126.0
LIFT = 149800.0 L/A = 126.094 M/W = .250 HP = 40374.639

PJ = 471.037 QJ = 32056.801 A = 2.423
SHP/ENG = 19195.5 SHP TOTAL = 153568.2
NO FAN = 31.2 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 799.8
JTFAN = 2774.6 WTGB = 7099.2 WTS = 17728.6
WT AIRU = 43712.4
WT AIRI = 54640.4 WFUEL = 12285.1 WT TIP GEAR = 2250.
WT MAIN GEAR = 13700. WT WING = 291351.
WT SYS = 69176. WT STRUCT = 300051.
TOTAL WEIGHT = 369226. DEL WT = 17843.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.5 GEAR HT = 126.0
LIFT = 149800.0 L/A = 126.094 M/W = .250 HP = 40374.639

PJ = 409.353 QJ = 15413.344 A = 2.505
SHP/ENG = 24209.1 SHP TOTAL = 225832.8
NO FAN = 31.1 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 905.5
JTFAN = 49382.5 WTGB = 4443.6 WTS = 26366.0
WT AIRU = 60192.2
WT AIRI = 75240.2 WFUEL = 19066.6 WT TIP GEAR = 3000.
WT MAIN GEAR = 44472. WT WING = 247348.
WT SYS = 96307. WT STRUCT = 291820.
TOTAL WEIGHT = 384127. DEL WT = 26744.

FRACTION OF GW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0

LIFT = 198740.0 L/A = 163.923 M/W = .231 HP = 55560.351

PJ = 758.098 UJ = 48415.646 A = 2.842

SHP/ENG = 38896.6 SHP TOTAL = 310773.1

NO FAN = 31.0 NO/SEG = 5.9 LIMIT/SEG = 6.2 VTIP = 1008.2

WTFAN = 35314.4 WTGR = 1074.6 WTS = 36292.6

WT AIRU = 80671.9

WT AIRI = 100639.9 WFUEL = 24961.6 WT TIP GEAR = 3900.

WT MAIN GEAR = 30987. WT WING = 285600.

WT SYS = 129602. WT STRUCT = 285587.

TOTAL WEIGHT = 415199. DEL WT = 63806.

FRACTION OF GW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 184.141 M/W = .218 HP = 65300.000

PJ = 844.024 UJ = 42604.253 A = 2.743

SHP/ENG = 45712.3 SHP TOTAL = 365698.7

NO FAN = 30.9 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 1065.2

WTFAN = 40945.5 WTGR = 12059.6 WTS = 42595.3

WT AIRU = 95200.4

WT AIRI = 119000.5 WFUEL = 29255.4 WT TIP GEAR = 4500.

WT MAIN GEAR = 37421. WT WING = 297351.

WT SYS = 152755. WT STRUCT = 264772.

TOTAL WEIGHT = 437529. DEL WT = 56146.

INCLTA = 45.0 DEGREES 208 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.0

LIFT = 17450.0 L/A = 31.524 M/W = .289 HP = 5649.659

PJ = 144.324 UJ = 18909.813 A = 2.321

NO FAN = 31.1 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 470.0

WTFAN = 7921.0 WTGR = 1487.0 WTS = 3684.4

WT AIRU = 13057.3

WT AIRI = 15371.7 WFUEL = 2528.1 WT TIP GEAR = 750.

WT MAIN GEAR = 25459. WT WING = 276900.

WT SYS = 19630. WT STRUCT = 332358.

TOTAL WEIGHT = 352004. DEL WT = 625.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.0

LIFT = 79900.0 L/A = 63.047 M/W = .278 HP = 15422.789

PJ = 1074.0 UJ = 48415.646 A = 2.842

SHP/ENG = 1074.0 SHP TOTAL = 86240.3

NO FAN = 31.2 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 657.2

WTFAN = 15444.7 WTGR = 1558.4 WTS = 10071.0

WT AIRU = 27995.1

WT AIRI = 33545.9 WFUEL = 5711.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 32498. WT WING = 252827.

WT SYS = 43270. WT STRUCT = 319325.

TOTAL WEIGHT = 558595. DEL WT = 7412.

FRACTION OF GW/SIDE = .0750 CUSH HT = 96.8 GEAR HT = 147.5

LIFT = 112500.0 L/A = 44.378 M/W = .268 HP = 28240.000

PJ = 464.782 UJ = 31690.089 A = 2.474

SHP/ENG = 18724.0 SHP TOTAL = 149791.0

NO FAN = 31.0 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 790.5
 WIFAN = 22324.8 WTGR = 4000.6 WTS = 17488.2
 WT AIRU = 42813.6
 WT ATRI = 53517.0 WFUEL = 11983.0 WT TIP GEAR = 2889.8
 WT MAIN GEAR = 48700.0 WT WING = 251351.
 WT SYS = 67750.0 WT STRUCT = 300051.
 TOTAL WEIGHT = 367901.0 DEL WT = 16419.

FRACTION OF SW/SIDE = .1000 CUSH HT = 92.5 GEAR HT = 126.0
 LIFE = 149900.0 L/A = 124.094 H/W = .250 HP = 39187.859
 PU = 509.397 QJ = 15928.386 A = 2.572
 SHP/ENG = 27399.3 SHP TOTAL = 219191.6

NO FAN = 31.0 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 790.5
 WIFAN = 28755.2 WTGR = 4260.2 WTS = 25591.0
 WT AIRU = 53606.3
 WT ATRI = 73257.9 WFUEL = 17535.6 WT TIP GEAR = 3003.
 WT MAIN GEAR = 48472.0 WT WING = 247348.
 WT SYS = 93743.0 WT STRUCT = 291820.

TOTAL WEIGHT = 385613.0 DEL WT = 34238.

FRACTION OF SW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0
 LIFE = 194740.0 L/A = 163.923 H/W = .231 HP = 53517.722
 PU = 740.150 QJ = 19745.045 A = 2.729

SHP/ENG = 23810.8 SHP TOTAL = 249347.4
 NO FAN = 30.8 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 997.6
 WIFAN = 35353.9 WTGR = 7414.0 WTS = 34948.9
 WT AIRU = 77710.8
 WT ATRI = 97146.0 WFUEL = 25947.0 WT TIP GEAR = 3903.
 WT MAIN GEAR = 79987.0 WT WING = 245600.

WT SYS = 124495.0 WT STRUCT = 291820.
 TOTAL WEIGHT = 410541.0 DEL WT = 37741.

FRACTION OF SW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0
 LIFE = 224700.0 L/A = 189.141 H/W = .214 HP = 62660.397
 PU = 823.540 QJ = 41442.598 A = 2.544

SHP/ENG = 43810.8 SHP TOTAL = 350486.7
 NO FAN = 30.8 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 1052.3
 WIFAN = 39239.8 WTGR = 10791.2 WTS = 40919.3
 WT AIRU = 90950.4
 WT ATRI = 113684.0 WFUEL = 29033.9 WT TIP GEAR = 4501.

WT MAIN GEAR = 97421.0 WT WING = 247348.
 WT SYS = 146227.0 WT STRUCT = 284772.0
 TOTAL WEIGHT = 430949.0 DEL WT = 79616.

T = 4.2 INCHES T/W = .012121

THETA = 40.0 DEGREES 204 SEMISPAN

FRACTION OF SW/SIDE = .2250 CUSH HT = 95.3 GEAR HT = 171.6
 LIFE = 37400.0 L/A = 51.524 H/W = .284 HP = 5902.576
 PU = 149.572 QJ = 19144.823 A = 2.265
 SHP/ENG = 4127.0 SHP TOTAL = 33015.7

NO FAN = 31.0 NO/SEG = 5.8 LIMIT/SEG = 6.2 VTIP = 477.6
 WIFAN = 3146.4 WTGR = 1521.2 WTS = 3954.6
 WT AIRU = 13522.3

WT AIRI = 15902.9 WFUEL = 2491.3 WT TIP GEAR = 750.

WT MAIN GEAR = 55458. WT WING = 276908.

WT SYS = 20298. WT STRUCT = 232358.

TOTAL WEIGHT = 352652. DEL WT = 1269.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 152.8

LIFT = 24900.0 L/A = 65.047 M/D = .278 HP = 16044.222

PJ = 330.594 QJ = 25692.339 A = 2.330

SHP/ENG = 11217.8 SHP TOTAL = 89742.3

NO FAN = 31.0 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 666.7

JTFAN = 15958.9 WIGR = 2393.0 WITS = 10477.4

WT AIPU = 28729.3

WT AIRI = 35911.7 WFUEL = 2104.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 2498. WT WING = 262827.

WT SYS = 44591. WT STRUCT = 315325.

TOTAL WEIGHT = 359916. DEL WT = 8533.

FRACTION OF GW/SIDE = .0750 CUSH HT = 86.8 GEAR HT = 147.9

LIFT = 312350.0 L/A = 98.571 M/D = .263 HP = 27476.928

PJ = 475.276 QJ = 31941.100 A = 2.437

SHP/ENG = 14771.1 SHP TOTAL = 154330.0

NO FAN = 30.9 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 800.2

JTFAN = 22742.5 WIGR = 3040.5 WITS = 18074.0

WT AIRI = 41924.7 WFUEL = 2104.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 48700. WT WING = 251351.

WT SYS = 49543. WT STRUCT = 300051.

TOTAL WEIGHT = 369594. DEL WT = 18211.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.3 GEAR HT = 126.0

LIFT = 149800.0 L/A = 126.096 M/D = .250 HP = 40272.271

PJ = 412.501 QJ = 35142.749 A = 2.538

SHP/ENG = 29157.5 SHP TOTAL = 225260.2

NO FAN = 30.4 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 907.4

JTFAN = 24245.3 WIGR = 4421.2 WITS = 26299.1

WT AIRI = 59965.6 WFUEL = 2104.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 74957.0 WT WING = 247348.

WT SYS = 44472. WT STRUCT = 291820.

TOTAL WEIGHT = 95978. DEL WT = 36415.

FRACTION OF GW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0

LIFT = 144740.0 L/A = 126.096 M/D = .231 HP = 58527.531

PJ = 741.551 QJ = 30044.043 A = 2.710

SHP/ENG = 25104.2 SHP TOTAL = 704423.9

NO FAN = 30.7 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 1009.2

JTFAN = 35746.7 WIGR = 7722.4 WITS = 35508.0

WT AIRI = 79077.2 WFUEL = 2104.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 79497. WT WING = 245600.

WT SYS = 127140. WT STRUCT = 285587.

TOTAL WEIGHT = 612793. DEL WT = 613800.

FRACTION OF GW/SIDE = .2500 CUSH HT = 72.0 GEAR HT = 76.0
 LIFT = 224700.0 L/A = 159.241 H/W = .218 HP = 63483.094
 PJ = 433.330 QJ = 91900.009 A = 2.936
 SHP/ENG = 44326.1 SHP TOTAL = 355088.4
 NO FAN = 30.6 W/SFG = 5.2 LIMIT/SEG = 5.2 VTIP = 1058.4
 WIFAN = 3923.7 WIGR = 11196.0 WTIS = 41456.6
 WT AIRU = 92124.3
 WT ATRI = 125157.9 WFUEL = 24407.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 77421. WT WING = 247351.
 WT SYS = 144055. WT STRUCT = 244772.
 TOTAL WEIGHT = 432037. DEL WT = 31454.

THETA = 15.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .250 CUSH HT = 95.3 GEAR HT = 171.5
 LIFT = 37450.0 L/A = 31.524 H/W = .284 HP = 5191.697
 PJ = 114.634 QJ = 74072.743 A = 2.156
 SHP/ENG = 3629.9 SHP TOTAL = 29039.4
 NO FAN = 46.5 W/SFG = 9.6 LIMIT/SEG = 6.2 VTIP = 399.7
 WIFAN = 4554.4 WIGR = 1581.2 WTIS = 3390.4
 WT AIRU = 13330.9
 WT ATRI = 15913.7 WFUEL = 2522.2 WT TIP GEAR = 150.
 WT MAIN GEAR = 75453. WT WING = 276900.
 WT SYS = 19987. WT STRUCT = 332354.
 TOTAL WEIGHT = 352345. DEL WT = 962.

FRACTION OF GW/SIDE = .2500 CUSH HT = 91.9 GEAR HT = 162.9
 LIFT = 74900.0 L/A = 63.047 H/W = .278 HP = 14287.104
 PJ = 231.543 QJ = 15632.374 A = 2.208
 SHP/ENG = 9989.2 SHP TOTAL = 39913.0
 NO FAN = 46.5 W/SFG = 9.6 LIMIT/SEG = 6.2 VTIP = 542.0
 WIFAN = 15800.3 WIGR = 2503.7 WTIS = 9330.0
 WT AIRU = 28634.0
 WT ATRI = 35790.4 WFUEL = 6393.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 52498. WT WING = 262827.
 WT SYS = 43686. WT STRUCT = 315325.
 TOTAL WEIGHT = 359110. DEL WT = 7627.

FRACTION OF GW/SIDE = .2750 CUSH HT = 86.8 GEAR HT = 147.5
 LIFT = 112350.0 L/A = 94.571 H/W = .263 HP = 23100.354
 PJ = 340.844 QJ = 10535.604 A = 2.273
 SHP/ENG = 17563.8 SHP TOTAL = 140510.2
 NO FAN = 46.5 W/SFG = 9.6 LIMIT/SEG = 6.2 VTIP = 676.9
 WIFAN = 24454.3 WIGR = 7107.2 WTIS = 16404.6
 WT AIRU = 43766.0
 WT ATRI = 54957.5 WFUEL = 11200.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44700. WT WING = 251351.
 WT SYS = 46446. WT STRUCT = 300051.
 TOTAL WEIGHT = 358149. DEL WT = 17116.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.9 GEAR HT = 120.0
 LIFT = 149800.0 L/A = 126.094 H/W = .250 HP = 37166.140
 PJ = 443.232 QJ = 46118.908 A = 2.341

SHP/ENG = 2590.6 SHP TOTAL = 207886.3

NO FAN = 45.2 NO/SEG = 9.6 LIMIT/SEG = 6.2 VTIP = 771.4

WTFAN = 31727.4 WTGB = 4253.9 WITS = 24270.7

WT AIRU = 60252.1

WT AIRI = 75325.1 WFUEL = 15810.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 44472. WT WING = 247348.

WT SYS = 94944. WT STRUCT = 291820.

TOTAL WEIGHT = 585786. DEL WT = 35383.

FRACTION OF GW/SIDE = .1500 CUSH HT = 78.1 GEAR HT = 98.0

LIFT = 191740.0 L/A = 163.923 H/W = .231 HP = 51636.153

PJ = 553.302 QJ = 51327.959 A = 2.457

SHP/ENG = 3802.4 SHP TOTAL = 288230.4

NO FAN = 46.1 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 862.5

WTFAN = 32452.6 WTGB = 4430.9 WITS = 33720.1

WT AIRU = 40633.3

WT AIRI = 200744.5 WFUEL = 23104.9 WT TIP GEAR = 3900.

WT MAIN GEAR = 79487. WT WING = 245600.

WT SYS = 27760. WT STRUCT = 285987.

TOTAL WEIGHT = 413347. DEL WT = 61968.

FRACTION OF GW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 169.141 H/W = .218 HP = 61159.917

PJ = 620.582 QJ = 51327.959 A = 2.457

SHP/ENG = 42761.7 SHP TOTAL = 342093.4

NO FAN = 45.9 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 913.4

WTFAN = 44233.5 WTGB = 11111.8 WITS = 39739.5

WT AIRU = 95174.8

WT AIRI = 118968.5 WFUEL = 27367.5 WT TIP GEAR = 4500.

WT MAIN GEAR = 150934. WT WING = 244772.

WT SYS = 150934. WT STRUCT = 150934.

TOTAL WEIGHT = 435608. DEL WT = 84225.

T = 6.0 INCHES T/W = .018182

WTFAN = 30.0 WTGB = 208 SHP/ENG = 208

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6

LIFT = 37450.0 L/A = 31.324 H/W = .289 HP = 4433.018

PJ = 113.477 QJ = 23392.457 A = 2.284

SHP/ENG = 3379.1 SHP TOTAL = 27033.2

WTFAN = 46.2 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 1000.0

WTFAN = 8139.6 WTGB = 1517.1 WITS = 3156.1

WT AIRU = 12912.9

WT AIRI = 15016.3 WFUEL = 2167.7 WT TIP GEAR = 750.

WT MAIN GEAR = 15458. WT WING = 276900.

WT SYS = 14409. WT STRUCT = 332358.

TOTAL WEIGHT = 351287. DEL WT = -95.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.8

LIFT = 74900.0 L/A = 43.047 H/W = .278 HP = 13257.646

PJ = 223.415 QJ = 32677.561 A = 2.337

SHP/ENG = 4249.5 SHP TOTAL = 74195.1

NO FAN = 46.1 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 940.1

WTFAN = 15940.9 WTGB = 2431.4 WITS = 8657.7

WT AIRC = 27030.0
 WT AIRC = 33787.6 WFOEL = 5932.5 WT TIP GEAR = 1503.
 WT MAIN GEAR = 2496. WT WING = 252827.
 WT SYS = 41220. WT STRUCT = 315325.
 TOTAL WEIGHT = 556545. DEL WT = 5162.

FRACTION OF SW/SIDE = .0750 CUSH WT = 86.8 GEAR WT = 147.5
 LIFT = 112350.0 L/A = 94.571 H/W = .263 HP = 23195.946
 PJ = 325.026 QJ = 39251.559 A = 2.423
 SHP/ENG = 1621.1 SHP TOTAL = 129745.0
 NO FAN = 45.4 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 661.0
 WIFAN = 23123.6 WIFR = 2998.4 WITS = 15147.7
 WT AIRC = 41250.0 WFOEL = 5932.5 WT TIP GEAR = 1503.
 WT MAIN GEAR = 46700. WT WING = 251351.
 WT SYS = 34209. WT STRUCT = 300051.
 TOTAL WEIGHT = 369255. DEL WT = 12972.

FRACTION OF SW/SIDE = .1000 CUSH WT = 92.5 GEAR WT = 126.0
 LIFT = 149900.0 L/A = 126.099 H/W = .250 HP = 34172.042
 PJ = 421.592 QJ = 44581.172 A = 2.505
 SHP/ENG = 25402.4 SHP TOTAL = 191139.0
 NO FAN = 45.4 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 752.5
 WIFAN = 29411.1 WIFR = 3858.6 WITS = 22115.4
 WT AIRC = 56095.2 WFOEL = 5932.5 WT TIP GEAR = 1503.
 WT MAIN GEAR = 44472. WT WING = 247348.
 WT SYS = 44410. WT STRUCT = 291820.
 TOTAL WEIGHT = 390230. DEL WT = 28847.

FRACTION OF SW/SIDE = .1300 CUSH WT = 106.1 GEAR WT = 98.0
 LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 47164.667
 PJ = 524.233 QJ = 4982.941 A = 2.542
 SHP/ENG = 32974.5 SHP TOTAL = 263812.4
 NO FAN = 45.6 NO/SEG = 9.4 LIMIT/SEG = 6.2 VTIP = 839.5
 WIFAN = 37021.8 WIFR = 5161.5 WITS = 30800.1
 WT AIRC = 73983.4 WFOEL = 5932.5 WT TIP GEAR = 1503.
 WT MAIN GEAR = 79987. WT WING = 245600.
 WT SYS = 117489. WT STRUCT = 285587.
 TOTAL WEIGHT = 405019. DEL WT = 25168.

FRACTION OF SW/SIDE = .1400 CUSH WT = 122.0 GEAR WT = 78.0
 LIFT = 224700.0 L/A = 159.141 H/W = .218 HP = 55621.208
 PJ = 446.490 QJ = 42150.515 A = 2.783
 SHP/ENG = 38849.2 SHP TOTAL = 311135.5
 NO FAN = 45.5 NO/SEG = 9.4 LIMIT/SEG = 6.2 VTIP = 888.0
 WIFAN = 41277.5 WIFR = 4772.1 WITS = 36322.5
 WT AIRC = 56372.1 WFOEL = 5932.5 WT TIP GEAR = 1503.
 WT MAIN GEAR = 77421. WT WING = 247351.
 WT SYS = 137354. WT STRUCT = 284772.
 TOTAL WEIGHT = 422127. DEL WT = 70744.

THETA = 45.0 DEGREES 20% SPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6
LIFT = 37450.0 L/A = 21.529 H/W = .269 HP = 9779.249
PJ = 113.529 QJ = 23153.540 A = 2.321
SHP/ENG = 3511.6 SHP TOTAL = 26732.4
NO FAN = 45.9 NO/SEG = 9.5 LIMIT/SEG = 6.2 VTIP = 390.7
WIFAN = 8061.4 WIGH = 1305.0 WITS = 3121.0
WT AIRU = 12587.4
WT AIRI = 15859.3 WFUEL = 2138.6 WT TIP GEAR = 753.
WT MAIN GEAR = 5458. WT WING = 276900.
WT SYS = 1874. WT STRUCT = 23039.4
TOTAL WEIGHT = 351106. DEL WT = -277.

FRACTION OF SW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.8
LIFT = 74900.0 L/A = 63.047 H/W = .278 HP = 13063.446
PJ = 222.234 QJ = 38329.635 A = 2.381
SHP/ENG = 9133.7 SHP TOTAL = 73069.3
NO FAN = 45.6 NO/SEG = 9.4 LIMIT/SEG = 6.2 VTIP = 546.5
WIFAN = 15748.9 WIGH = 2414.2 WITS = 8530.9
WT AIRU = 24600.0
WT AIRI = 33337.5 WFUEL = 5445.0 WT TIP GEAR = 1500.
WT SYS = 40713. WT STRUCT = 315325.
TOTAL WEIGHT = 356036. DEL WT = 4555.

FRACTION OF SW/SIDE = .0750 CUSH HT = 96.8 GEAR HT = 107.5
LIFT = 112222.0 L/A = 126.049 H/W = .250 HP = 33529.474
PJ = 416.737 QJ = 43987.525 A = 2.572
SHP/ENG = 15893.3 SHP TOTAL = 127146.2
NO FAN = 45.6 NO/SEG = 9.4 LIMIT/SEG = 6.2 VTIP = 658.2
WIFAN = 22758.9 WIGH = 2958.2 WITS = 14844.3
WT AIRU = 40542.3
WT AIRI = 50701.6 WFUEL = 10171.0 WT TIP GEAR = 2259.
WT MAIN GEAR = 88700. WT WING = 251351.
WT SYS = 63123. WT STRUCT = 300051.
TOTAL WEIGHT = 365174. DEL WT = 11791.

FRACTION OF SW/SIDE = .1000 CUSH HT = 102.5 GEAR HT = 48.4
LIFT = 149800.0 L/A = 126.049 H/W = .250 HP = 33529.474
PJ = 416.737 QJ = 43987.525 A = 2.572
SHP/ENG = 15893.3 SHP TOTAL = 127146.2
NO FAN = 45.6 NO/SEG = 9.4 LIMIT/SEG = 6.2 VTIP = 748.5
WIFAN = 20342.7 WIGH = 3770.4 WITS = 21765.7
WT AIRU = 54778.4
WT AIRI = 64598.0 WFUEL = 14014.1 WT TIP GEAR = 3000.
WT MAIN GEAR = 64472. WT WING = 287348.
WT SYS = 45512. WT STRUCT = 291820.
TOTAL WEIGHT = 378332. DEL WT = 26947.

FRACTION OF SW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 48.0
LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 45670.220

PJ = 415.936 QJ = 44685.523 A = 2.729
 SHP/ENG = 31931.7 SHP TOTAL = 255455.3
 NO FAN = 45.2 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 832.8
 WIFAN = 36135.8 WTGR = 5792.6 WITS = 29824.2
 WT AIRU = 71752.6
 WT AIRI = 84640.7 WFOUL = 20456.3 WT TIP GEAR = 3900.
 WT MAIN GEAR = 79967. WT WING = 245500.
 WT SYS = 114027. WT STRUCT = 285587.
 TOTAL WEIGHT = 399614. DEL WT = 48231.

FRACTION OF GW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 189.141 H/W = .218 HP = 53603.758

PJ = 575.566 QJ = 51228.753 A = 2.396
 SHP/ENG = 37978.6 SHP TOTAL = 299829.0
 NO FAN = 45.1 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 879.7
 WIFAN = 40156.0 WTGR = 8038.3 WITS = 35035.0
 WT AIRU = 93199.4
 WT AIRI = 113999.2 WFOUL = 23945.3 WT TIP GEAR = 4500.
 WT MAIN GEAR = 47421. WT WING = 247351.
 WT SYS = 132486. WT STRUCT = 284772.
 TOTAL WEIGHT = 417258. DEL WT = 55875.

T = 6.0 INCHES T/W = .018152

THETA = 60.0 DEGREES T/W = .018152
 FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6
 LIFT = 37450.0 L/A = 31.524 H/W = .255 HP = 5604.378
 PJ = 117.540 QJ = 23440.044 A = 2.265
 SHP/ENG = 3572.5 SHP TOTAL = 28019.6

NO FAN = 45.5 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 879.7
 WIFAN = 8304.1 WTGR = 1542.5 WITS = 3273.4
 WT AIRU = 13117.9
 WT AIRI = 15397.4 WFOUL = 2241.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 55454. WT WING = 276900.
 WT SYS = 14780. WT STRUCT = 332359.
 TOTAL WEIGHT = 351747. DEL WT = 364.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.8
 LIFT = 71900.0 L/A = 63.047 H/W = .278 HP = 13635.476

PJ = 229.482 QJ = 32490.159 A = 2.330
 SHP/ENG = 9543.6 SHP TOTAL = 76259.1
 NO FAN = 45.5 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 555.4
 WIFAN = 16177.0 WTGR = 2450.1 WITS = 8504.4
 WT AIRU = 27531.4
 WT AIRI = 34414.4 WFOUL = 6101.6 WT TIP GEAR = 1500.
 WT MAIN GEAR = 52494. WT WING = 242827.
 WT SYS = 42016. WT STRUCT = 315325.
 TOTAL WEIGHT = 557342. DEL WT = 5958.

FRACTION OF GW/SIDE = .0750 CUSH HT = 85.6 GEAR HT = 147.5
 LIFT = 412350.0 L/A = 99.571 H/W = .263 HP = 23576.046

PJ = 331.385 QJ = 39129.242 A = 2.437
 SHP/ENG = 16843.9 SHP TOTAL = 131871.0
 NO FAN = 45.4 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 662.5

WT FAN = 23276.0 WTGR = 3002.9 WITS = 15395.9

WT AIRU = 42874.8

WT AIRI = 52093.5 WFUEL = 10549.7 WT TIP GEAR = 2250.

WT MAIN GEAR = 99700. WT WING = 291351.

WT SYS = 64843. WT STRUCT = 300051.

TOTAL WEIGHT = 369944. DEL WT = 13561.

FRACTION OF GW/SIDE = .0000 CUSH HT = 82.5 GEAR HT = 126.0

LIFT = 149900.0 L/A = 126.004 H/W = .250 HP = 34379.316

PJ = 427.135 QJ = 3427.429 A = 2.538

SHP/ENG = 24077.3 SHP TOTAL = 192298.4

NO FAN = 45.2 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 757.8

WT FAN = 29977.3 WTGR = 3002.9 WITS = 22150.3

WT AIRU = 54232.8

WT AIRI = 70289.7 WFUEL = 15383.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 14472. WT WING = 247348.

WT SYS = 84474. WT STRUCT = 291820.

TOTAL WEIGHT = 380493. DEL WT = 29110.

FRACTION OF GW/SIDE = .0300 CUSH HT = 76.1 GEAR HT = 98.0

LIFT = 144700.0 L/A = 163.225 H/W = .231 HP = 45718.623

PJ = 525.024 QJ = 38449.043 A = 2.710

SHP/ENG = 32540.7 SHP TOTAL = 261317.5

NO FAN = 44.4 NO/SEG = 9.2 LIMIT/SEG = 6.2 VTIP = 840.4

WT FAN = 36509.2 WTGR = 6034.8 WITS = 30508.8

WT AIRU = 73152.4

WT AIRI = 11440.5 WFUEL = 20005.4 WT TIP GEAR = 3900.

WT MAIN GEAR = 79997. WT WING = 245600.

WT SYS = 116244. WT STRUCT = 285597.

TOTAL WEIGHT = 571400. DEL WT = 285597.

FRACTION OF GW/SIDE = .0300 CUSH HT = 72.0 GEAR HT = 70.0

LIFT = 224700.0 L/A = 149.141 H/W = .218 HP = 54537.418

PJ = 544.421 QJ = 51298.451 A = 2.834

SHP/ENG = 38111.4 SHP TOTAL = 305051.4

NO FAN = 44.4 NO/SEG = 9.2 LIMIT/SEG = 6.2 VTIP = 886.7

WT FAN = 40530.2 WTGR = 8350.6 WITS = 35614.7

WT AIRU = 84445.5

WT AIRI = 105619.4 WFUEL = 24004.1 WT TIP GEAR = 4500.

WT MAIN GEAR = 77421. WT WING = 247351.

WT SYS = 134524. WT STRUCT = 285597.

TOTAL WEIGHT = 419296. DEL WT = 67913.

T = 4.0 INCHES T/W = .024242

THETA = 15.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6

LIFT = 37450.0 L/A = 31.524 H/W = .289 HP = 4615.048

PJ = 41.500 QJ = 27740.445 A = 2.158

SHP/ENG = 3254.7 SHP TOTAL = 25814.0

NO FAN = 51.2 NO/SEG = 13.3 LIMIT/SEG = 6.2 VTIP = 350.7

WT FAN = 11670.9 WTGR = 1594.9 WITS = 30138.8

WT AIRU = 13283.7

WT AIRI = 15604.6 WFUEL = 2065.1 WT TIP GEAR = 750.

WT MAIN GEAR = 14472. WT WING = 247348.

WT SYS = 84474. WT STRUCT = 291820.

TOTAL WEIGHT = 380493. DEL WT = 29110.

WT MAIN GEAR = 5418. WT WING = 276900.
WT SYS = 19420. WT STRUCT = 332358.
TOTAL WEIGHT = 357778. DEL WT = 395.

FRACTION OF SW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.8
LIFT = 74970.0 L/A = 63.047 H/W = .278 HP = 12712.279
PJ = 180.038 QJ = 38834.945 A = 2.208
SHP/ENG = 8498.2 SHP TOTAL = 71105.3
NO FAN = 51.2 NO/SEG = 13.3 LIFT/SEG = 6.2 VTIP = 492.0
WTFAN = 17027.3 WTGR = 2559.0 WTS = 8301.5
WT AIRU = 27447.8
WT AIRY = 31259.7 WFUEL = 5493.4 WT TIP GEAR = 1501.
WT MAIN GEAR = 52498. WT WING = 282827.
WT SYS = 42048. WT STRUCT = 315375.
TOTAL WEIGHT = 357373. DEL WT = 5990.

FRACTION OF SW/SIDE = .0750 CUSH HT = 36.9 GEAR HT = 147.5
LIFT = 112350.0 L/A = 104.572 H/W = .263 HP = 22386.491
PJ = 263.117 QJ = 46705.082 A = 2.273
SHP/ENG = 15652.2 SHP TOTAL = 125217.3
NO FAN = 50.4 NO/SEG = 13.2 LIFT/SEG = 6.2 VTIP = 594.8
WTFAN = 24803.4 WTGR = 7109.5 WTS = 14619.1
WT AIRU = 42532.2
WT AIRY = 51165.3 WFUEL = 10043.4 WT TIP GEAR = 2238.
WT MAIN GEAR = 48700. WT WING = 251351.
WT SYS = 65433. WT STRUCT = 300041.
TOTAL WEIGHT = 365484. DEL WT = 14101.

FRACTION OF SW/SIDE = .1000 CUSH HT = 16.1 GEAR HT = 131.0
LIFT = 134980.0 L/A = 112.044 H/W = .250 HP = 31149.500
PJ = 342.665 QJ = 53239.184 A = 2.341
SHP/ENG = 23101.4 SHP TOTAL = 185531.4
NO FAN = 50.7 NO/SEG = 13.2 LIFT/SEG = 6.2 VTIP = 678.7
WTFAN = 32203.4 WTGR = 3945.1 WTS = 21660.8
WT AIRU = 57809.6
WT AIRY = 72262.0 WFUEL = 14842.5 WT TIP GEAR = 3003.
WT MAIN GEAR = 44472. WT WING = 247348.
WT SYS = 90105. WT STRUCT = 291820.
TOTAL WEIGHT = 381924. DEL WT = 30541.

FRACTION OF SW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0
LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 46197.559
PJ = 425.340 QJ = 10244.577 A = 2.457
SHP/ENG = 31370.4 SHP TOTAL = 258402.9
NO FAN = 50.0 NO/SEG = 13.2 LIFT/SEG = 6.2 VTIP = 759.3
WTFAN = 40693.5 WTGR = 6252.9 WTS = 35168.5
WT AIRU = 74534.9
WT AIRY = 95445.5 WFUEL = 20472.2 WT TIP GEAR = 3902.
WT MAIN GEAR = 4457. WT WING = 245500.
WT SYS = 120216. WT STRUCT = 265547.
TOTAL WEIGHT = 405603. DEL WT = 54420.

FRACTION OF SW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 76.0

LIFT = 224700.0 L/A = 189.191 H/A = .218 HP = 54817.229

PJ = 481.874 QJ = 42567.187 A = 2.582

SHP/ENG = 3837.1 SHP TOTAL = 336616.9

NO FAN = 60.2 NO/SEG = 13.0 LIMIT/SEG = 6.2 VTIP = 804.9

WT FAN = 4448.0 WT GR = 2007.7 WTS = 35797.5

WT AIRU = 39685.2

WT AIRI = 112114.5 WFUEL = 24529.3 WT TIP GEAR = 4500.

WT MAIN GEAR = 7421. WT WING = 247551.

WT SYS = 141136. WT STRUCT = 284772.

TOTAL WEIGHT = 425908. DEL WT = 74525.

T = 8.0 INCHES T/W = .024242

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6

LIFT = 37450.0 L/A = 11.524 H/A = .289 HP = 4317.310

PJ = 44.122 QJ = 26945.326 A = 2.284

SHP/ENG = 3019.6 SHP TOTAL = 24148.6

NO FAN = 60.5 NO/SEG = 13.8 LIMIT/SEG = 6.2 VTIP = 344.2

WT FAN = 4245.6 WT GR = 1536.2 WTS = 2919.3

WT AIRU = 12621.1

WT AIRI = 15771.4 WFUEL = 1431.9 WT TIP GEAR = 750.

WT MAIN GEAR = 35458. WT WING = 274900.

WT SYS = 144456. WT STRUCT = 332354.

FRACTION OF GW/SIDE = .0300 CUSH HT = 91.9 GEAR HT = 182.8

LIFT = 74900.0 L/A = 63.047 H/A = .278 HP = 11856.276

PJ = 173.098 QJ = 37675.009 A = 2.337

NO FAN = 60.4 NO/SEG = 13.1 LIMIT/SEG = 6.2 VTIP = 422.4

WT FAN = 16196.5 WT GR = 2487.3 WTS = 7742.5

WT AIRU = 26426.4

WT AIRI = 33033.0 WFUEL = 5305.4 WT TIP GEAR = 1500.

WT MAIN GEAR = 12494. WT WING = 262827.

WT SYS = 34434. WT STRUCT = 319325.

TOTAL WEIGHT = 355163. DEL WT = 3780.

FRACTION OF GW/SIDE = .0750 CUSH HT = 86.8 GEAR HT = 147.5

LIFT = 112350.0 L/A = 94.571 H/A = .263 HP = 20782.309

PJ = 232.278 QJ = 43308.181 A = 2.424

SHP/ENG = 1850.6 SHP TOTAL = 116244.8

NO FAN = 60.2 NO/SEG = 13.1 LIMIT/SEG = 6.2 VTIP = 582.4

WT FAN = 2351.7 WT GR = 2014.5 WTS = 15571.5

WT AIRU = 40004.7

WT AIRI = 51222.7 WFUEL = 9244.6 WT TIP GEAR = 2250.

WT MAIN GEAR = 44700. WT WING = 251351.

WT SYS = 61477. WT STRUCT = 306051.

TOTAL WEIGHT = 361730. DEL WT = 10347.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.5 GEAR HT = 126.0

LIFT = 149000.0 L/A = 126.044 H/A = .238 HP = 40647.217

PJ = 327.800 QJ = 51458.274 A = 2.505

SHP/ENG = 21443.2 SHP TOTAL = 171545.6

NO FAN = 50.0 NO/SEG = 13.0 LIMIT/SEG = 6.2 VTIP = 663.8
 JTFAN = 30443.9 WTGR = 3642.9 WTS = 20020.0
 WT AIRU = 54154.7
 WT AIRI = 57693.0 WFUEL = 13723.7 WT TIP GEAR = 3000.
 WT MAIN GEAR = 44472. WT WING = 247348.
 WT SYS = 80417. WT STRUCT = 291420.
 TOTAL WEIGHT = 376237. DEL WT = 24454.

FRACTION OF GW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0
 LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 42453.355
 PU = 404.831 QU = 5712.427 A = 2.642
 SHP/ENG = 2962.5 SHP TOTAL = 237450.0

NO FAN = 59.3 NO/SEG = 12.8 LIMIT/SEG = 6.2 VTIP = 705.0
 JTFAN = 37734.9 WTGR = 5375.0 WTS = 27728.5
 WT AIRU = 70833.7
 WT AIRI = 54542.1 WFUEL = 18446.8 WT TIP GEAR = 3900.
 WT MAIN GEAR = 29447. WT WING = 245600.
 WT SYS = 211430. WT STRUCT = 285557.
 TOTAL WEIGHT = 397228. DEL WT = 45643.

FRACTION OF GW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0
 LIFT = 224700.0 L/A = 149.141 H/W = .218 HP = 40171.758
 PU = 474.351 QU = 50190.841 A = 2.743
 SHP/ENG = 2350.9 SHP TOTAL = 23509.0

NO FAN = 59.3 NO/SEG = 12.8 LIMIT/SEG = 6.2 VTIP = 705.0
 JTFAN = 42116.2 WTGR = 7357.1 WTS = 32763.8
 WT AIRU = 32237.1
 WT AIRI = 102794.3 WFUEL = 22450.6 WT TIP GEAR = 4500.
 WT MAIN GEAR = 27421. WT WING = 247351.
 WT SYS = 149787. WT STRUCT = 244734.
 TOTAL WEIGHT = 414117. DEL WT = 43144.

T = 8.0 INCHES T/W = .024242
 THETA = 45.0 DEGREES 208 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.6
 LIFT = 37450.0 L/A = 31.524 H/W = .289 HP = 4247.132
 PU = 88.227 QU = 26725.507 A = 2.321
 SHP/ENG = 2997.5 SHP TOTAL = 23979.8

NO FAN = 50.0 NO/SEG = 13.0 LIMIT/SEG = 6.2 VTIP = 344.0
 JTFAN = 8202.9 WTGR = 1824.4 WTS = 5072.8
 WT AIRU = 12429.9
 WT AIRI = 15661.2 WFUEL = 1918.4 WT TIP GEAR = 760.
 WT MAIN GEAR = 15444. WT WING = 216906.
 WT SYS = 14330. WT STRUCT = 332356.
 TOTAL WEIGHT = 340447. DEL WT = 595.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.8
 LIFT = 74400.0 L/A = 53.347 H/W = .275 HP = 11733.152
 PU = 172.934 QU = 37326.197 A = 2.381
 SHP/ENG = 423.6 SHP TOTAL = 55628.6

NO FAN = 59.3 NO/SEG = 13.0 LIMIT/SEG = 6.2 VTIP = 482.2
 JTFAN = 16035.3 WTGR = 2472.0 WTS = 7662.1
 WT AIRU = 26169.5

WT AIRI = 327.1.8 WFUEL = 5250.3 WT TIP GEAR = 1500.
WT MAIN GEAR = 52498. WT WING = 252827.
WT SYS = 39462. WT STRUCT = 315325.
TOTAL WEIGHT = 350787. DEL WT = 3401.

FRACTION OF SW/SIDE = .0740 CUSH WT = 34.8 GEAR WT = 147.5
LIFT = 112350.0 L/A = 94.571 M/W = .263 HP = 20458.443
PJ = 258.270 QJ = 44782.256 A = 2.479
SHP/ENG = 14374.5 SHP TOTAL = 314435.9
NO FAN = 59.6 NO/SEG = 12.9 LIMIT/SEG = 5.2 VTIP = 581.2
WTFAN = 23296.2 WTGR = 2993.6 WITS = 13360.4
WT AIRU = 39530.2

WT AIRI = 327.1.8 WFUEL = 5250.3 WT TIP GEAR = 1500.
WT MAIN GEAR = 48700. WT WING = 251351.
WT SYS = 60843. WT STRUCT = 306051.
TOTAL WEIGHT = 366893. DEL WT = 9510.

FRACTION OF SW/SIDE = .1000 CUSH WT = 42.5 GEAR WT = 128.0
LIFT = 149300.0 L/A = 126.094 M/W = .259 HP = 10956.020
PJ = 325.528 QJ = 50767.420 A = 2.572
SHP/ENG = 21074.5 SHP TOTAL = 568116.3
NO FAN = 59.6 NO/SEG = 12.9 LIMIT/SEG = 5.2 VTIP = 661.6
WTFAN = 29935.0 WTGR = 3420.9 WITS = 19527.6

WT AIRI = 64479.4 WFUEL = 13489.3 WT TIP GEAR = 3000.
WT MAIN GEAR = 44472. WT WING = 247348.
WT SYS = 32429. WT STRUCT = 291820.
TOTAL WEIGHT = 374749. DEL WT = 23365.

FRACTION OF SW/SIDE = .1300 CUSH WT = 54.5 GEAR WT = 108.0
LIFT = 194740.0 L/A = 163.923 M/W = .231 HP = 41319.996
PJ = 404.487 QJ = 56144.761 A = 2.729
SHP/ENG = 28890.1 SHP TOTAL = 231120.6
NO FAN = 59.6 NO/SEG = 12.7 LIMIT/SEG = 6.2 VTIP = 737.4
WTFAN = 3424.2 WTGR = 5139.0 WITS = 26783.5
WT AIRU = 69046.5
WT AIRI = 66706.2 WFUEL = 14489.6 WT TIP GEAR = 3900.
WT MAIN GEAR = 4987. WT WING = 245600.
WT SYS = 104698. WT STRUCT = 285587.
TOTAL WEIGHT = 394285. DEL WT = 42902.

FRACTION OF SW/SIDE = .1500 CUSH WT = 72.0 GEAR WT = 78.0
LIFT = 224700.0 L/A = 149.141 M/W = .218 HP = 44513.944
PJ = 452.344 QJ = 50144.490 A = 2.544
SHP/ENG = 33990.0 SHP TOTAL = 771918.4
NO FAN = 58.7 NO/SEG = 12.7 LIMIT/SEG = 6.2 VTIP = 778.5
WTFAN = 41079.4 WTGR = 6972.3 WITS = 31746.5
WT AIRU = 79699.5
WT AIRI = 57823.2 WFUEL = 21753.5 WT TIP GEAR = 4500.
WT MAIN GEAR = 7421. WT WING = 247351.
WT SYS = 125877. WT STRUCT = 284772.
TOTAL WEIGHT = 410649. DEL WT = 59268.

T = 8.0 INCHES T/W = .024242

THEY = 60.0 DEGREES 208 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 95.3 GEAR HT = 171.0

LIFT = 17450.0 L/A = 31.524 H/W = .289 HP = 4507.872

PJ = 91.583 QJ = 27054.330 A = 2.265

SHP/ENG = 3171.8 SHP TOTAL = 25214.5

NO FAN = 59.6 WD/SEG = 12.9 LIFT/SEG = 6.2 VTIP = 331.0

WTFAN = 8463.0 WTGR = 1566.9 WTS = 2943.8

WT AIRU = 12973.7

WT AIRI = 16217.1 WFUEL = 2017.2 WT TIP GEAR = 753.

WT MAIN GEAR = 5458. WT WING = 276900.

WT SYS = 18989. WT STRUCT = 332358.

TOTAL WEIGHT = 40951. DEL WT = 38127.

FRACTION OF SW/SIDE = .0300 CUSH HT = 91.4 GEAR HT = 162.8

LIFT = 74900.0 L/A = 63.047 H/W = .278 HP = 12287.256

PJ = 174.172 QJ = 57757.901 A = 2.330

SHP/ENG = 8591.0 SHP TOTAL = 88727.9

NO FAN = 59.5 WD/SEG = 12.9 LIFT/SEG = 6.2 VTIP = 490.8

WTFAN = 16497.7 WTGR = 2510.9 WTS = 8024.3

WT AIRU = 27032.6

WT AIRI = 33790.7 WFUEL = 5499.2 WT TIP GEAR = 1503.

WT MAIN GEAR = 5458. WT WING = 252927.

WT SYS = 40789. WT STRUCT = 317228.

TOTAL WEIGHT = 356118. DEL WT = 31331.

FRACTION OF SW/SIDE = .0750 CUSH HT = 86.8 GEAR HT = 147.5

LIFT = 112350.0 L/A = 99.571 H/W = .263 HP = 21292.895

PJ = 259.344 QJ = 81907.5 A = 2.410

SHP/ENG = 18097.5 SHP TOTAL = 19100.0

NO FAN = 59.2 WD/SEG = 12.8 LIFT/SEG = 6.2 VTIP = 540.5

WTFAN = 23743.4 WTGR = 4033.0 WTS = 13905.9

WT AIRU = 40701.4

WT AIRI = 50574.9 WFUEL = 9529.0 WT TIP GEAR = 2253.

WT MAIN GEAR = 48703. WT WING = 251351.

WT SYS = 62655. WT STRUCT = 300051.

TOTAL WEIGHT = 362706. DEL WT = 33323.

FRACTION OF SW/SIDE = .1000 CUSH HT = 82.5 GEAR HT = 126.0

LIFT = 149500.0 L/A = 126.094 H/W = .250 HP = 31115.448

PJ = 334.965 QJ = 91090.333 A = 2.558

SHP/ENG = 21755.3 SHP TOTAL = 174042.2

NO FAN = 59.0 WD/SEG = 12.7 LIFT/SEG = 6.2 VTIP = 671.1

WTFAN = 30560.4 WTGR = 3713.0 WTS = 20319.4

WT AIRU = 54547.2

WT AIRI = 58233.9 WFUEL = 13923.4 WT TIP GEAR = 3003.

WT MAIN GEAR = 44472. WT WING = 247348.

WT SYS = 95157. WT STRUCT = 291873.

TOTAL WEIGHT = 376477. DEL WT = 25594.

FRACTION OF SW/SIDE = .1300 CUSH HT = 76.1 GEAR HT = 98.0

LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 42435.874

PJ = 414.053 QJ = 56366.123 A = 2.710

SHP/ENG = 29643.8 SHP TOTAL = 237350.5

NO FAN = 58.5 NO/SEG = 12.5 LIMIT/SEG = 6.2 VTIP = 746.1

WTFAN = 37478.9 WTGB = 5351.9 WITS = 27710.7

WT AIRU = 70541.0

WT AIRI = 54174.8 WFUEL = 18934.0 WT TIP GEAR = 3903.

WT MAIN GEAR = 79967. WT WING = 245600.

WT SYS = 111065. WT STRUCT = 285587.

TOTAL WEIGHT = 546852.6 DEL WT = 45284.

FRACTION OF BW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 78.0

LIFT = 224700.0 L/A = 189.141 M/W = .218 HP = 49663.757

PJ = 461.579 QJ = 59177.442 A = 2.336

SHP/ENG = 29643.8 SHP TOTAL = 237350.5

NO FAN = 58.1 NO/SEG = 12.5 LIMIT/SEG = 6.2 VTIP = 787.8

WTFAN = 41545.2 WTGB = 7170.0 WITS = 32432.1

WT AIRU = 31147.2

WT AIRI = 101434.0 WFUEL = 22223.3 WT TIP GEAR = 4503.

WT MAIN GEAR = 77421. WT WING = 207351.

WT SYS = 128157. WT STRUCT = 288772.

TOTAL WEIGHT = 432930.6 DEL WT = 51547.

T = 10.0 INCHES T/W = .030303

THETA = 15.0 DEGREES 25% SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 95.5 GEAR HT = 171.0

LIFT = 37450.0 L/A = 31.524 M/W = .289 HP = 4236.403

PJ = 75.46 QJ = 31036.714 A = 2.156

SHP/ENG = 2942.0 SHP TOTAL = 23696.3

NO FAN = 75.5 NO/SEG = 16.9 LIMIT/SEG = 6.2 VTIP = 317.8

WT AIRU = 13167.5

WT AIRI = 16499.1 WFUEL = 1895.7 WT TIP GEAR = 750.

WT MAIN GEAR = 4554. WT WING = 276900.

WT SYS = 19105. WT STRUCT = 332318.

TOTAL WEIGHT = 351463. DEL WT = 80.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.0

LIFT = 74900.0 L/A = 65.047 M/W = .276 HP = 116806337

PJ = 148.000 QJ = 43476.720 A = 2.200

SHP/ENG = 8166.6 SHP TOTAL = 65333.2

NO FAN = 75.5 NO/SEG = 16.9 LIMIT/SEG = 6.2 VTIP = 317.8

WTFAN = 17255.5 WTGB = 2611.7 WITS = 7627.6

WT AIRU = 27494.9

WT AIRI = 34366.6 WFUEL = 5225.7 WT TIP GEAR = 1500.

WT MAIN GEAR = 52494. WT WING = 262827.

WT SYS = 41145. WT STRUCT = 319325.

TOTAL WEIGHT = 356420. DEL WT = 5037.

FRACTION OF GW/SIDE = .0250 CUSH HT = 89.0 GEAR HT = 147.5

LIFT = 112350.0 L/A = 44.571 M/W = .263 HP = 20606.890

PJ = 216.635 QJ = 52372.193 A = 2.273

SHP/ENG = 14403.1 SHP TOTAL = 119240.0

NO FAN = 75.0 NO/SEG = 16.7 LIMIT/SEG = 6.2 VTIP = 334.7

WTFAN = 25155.0 WTGB = 3148.0 WITS = 13453.1

WT AIRU = 4.750.0

WT AIRI = 52195.5 WFUEL = 9219.4 WT TIP GEAR = 2250.

WT MAIN GEAR = 18700. WT WING = 241351.

WT SYS = 63603. WT STRUCT = 300051.

TOTAL WEIGHT = 553718. DEL WT = 12331.

FRACTION OF BW/SIDE = .1000 CUSH WT = 82.5 GEAR WT = 126.0

LIFT = 149800.0 L/A = 126.094 M/W = .250 HP = 505676770

PJ = 282.586 QJ = 5952.697 A = 2.341

SHD/ENG = 23372.3 SHD TOTAL = 170978.8

NO FAN = 74.7 NO/SEG = 14.7 LIMIT/SEG = 6.2 VTIP = 616.3

WIFAN = 32583.0 WTGB = 3822.6 WITS = 19961.9

WT AIRU = 5645.4

WT AIRI = 70584.2 WFUEL = 13674.3 WT TIP GEAR = 3008.

WT MAIN GEAR = 84472. WT WING = 247348.

WT SYS = 87253. WT STRUCT = 291820.

TOTAL WEIGHT = 579382. DEL WT = 27699.

FRACTION OF GW/SIDE = .1300 CUSH WT = 76.1 GEAR WT = 98.0

LIFT = 194740.0 L/A = 163.923 M/W = .231 HP = 42677.518

PJ = 354.494 QJ = 55216.393 A = 2.457

SHD/ENG = 29375.2 SHD TOTAL = 238713.8

NO FAN = 74.2 NO/SEG = 16.5 LIMIT/SEG = 6.2 VTIP = 690.3

WIFAN = 40738.4 WTGB = 5452.0 WITS = 27060.8

WT AIRU = 74260.2

WT AIRI = 92825.2 WFUEL = 19097.1 WT TIP GEAR = 3900.

WT MAIN GEAR = 79987. WT WING = 245600.

WT SYS = 115422. WT STRUCT = 285597.

TOTAL WEIGHT = 401409. DEL WT = 50026.

FRACTION OF BW/SIDE = .1500 CUSH WT = 72.9 GEAR WT = 78.0

LIFT = 224700.0 L/A = 189.141 M/W = .218 HP = 50750.261

PJ = 349.047 QJ = 54920.718 A = 2.542

SHD/ENG = 35449.5 SHD TOTAL = 263756.3

NO FAN = 73.9 NO/SEG = 16.5 LIMIT/SEG = 6.2 VTIP = 732.4

WIFAN = 45641.3 WTGB = 7889.8 WITS = 33128.5

WT AIRU = 86659.6

WT AIRI = 108324.5 WFUEL = 22700.5 WT TIP GEAR = 4500.

WT MAIN GEAR = 77421. WT WING = 247351.

WT SYS = 135525. WT STRUCT = 284772.

TOTAL WEIGHT = 620247. DEL WT = 58914.

T = 10.0 INCHES L/W = .030303

THETA = 30.0 DEGREES 20% SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH WT = 95.3 GEAR WT = 173.8

LIFT = 37450.0 L/A = 31.524 M/W = .289 HP = 3982.307

PJ = 72.729 QJ = 50115.310 A = 2.684

SHD/ENG = 2744.5 SHD TOTAL = 22274.8

NO FAN = 74.5 NO/SEG = 16.6 LIMIT/SEG = 6.2 VTIP = 312.7

WIFAN = 6342.3 WTGB = 556.5 WITS = 2600.6

WT AIRU = 12549.4

WT AIRI = 15696.7 WFUEL = 1782.0 WT TIP GEAR = 750.

WT MAIN GEAR = 55458. WT WING = 276908.

WT SYS = 19219. WT STRUCT = 332358.

TOTAL WEIGHT = 350776 DEL WT = -806.

FRACTION OF SW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.0

LIFT = 74900.0 L/A = 63.047 H/W = .278 HP = 10948.342

PJ = 143.012 QJ = 42105.357 A = 2.337

SHP/ENG = 7644.9 SHP TOTAL = 51238.0

NO FAN = 74.3 NO/SEG = 16.6 LIMIT/SEG = 6.2 VTIP = 438.5

WTFAN = 16453.7 WTGR = 2540.4 WTTS = 7149.6

WT AIRU = 25143.7

WT AIRI = 32679.7 WFUEL = 4499.1 WT TIP GEAR = 1500.

WT MAIN GEAR = 22498. WT WING = 252827.

WT SYS = 350776. WT STRUCT = 332358.

TOTAL WEIGHT = 350776 DEL WT = -806.

FRACTION OF SW/SIDE = .0750 CUSH HT = 36.6 GEAR HT = 147.5

LIFT = 112350.0 L/A = 94.571 H/W = .263 HP = 19225.545

PJ = 208.534 QJ = 50533.763 A = 2.423

SHP/ENG = 13442.1 SHP TOTAL = 107536.0

NO FAN = 73.4 NO/SEG = 14.5 LIMIT/SEG = 6.2 VTIP = 529.9

WTFAN = 23410.1 WTGR = 2576.3 WTTS = 12554.9

WT AIRU = 39532.2

WT AIRI = 49414.3 WFUEL = 4402.9 WT TIP GEAR = 2253.

WT MAIN GEAR = 25143.7 WT WING = 252827.

WT SYS = 60268. WT STRUCT = 300051.

TOTAL WEIGHT = 360319. DEL WT = -8936.

FRACTION OF SW/SIDE = .1000 CUSH HT = 92.5 GEAR HT = 126.0

LIFT = 211.821 L/A = 17304.081 H/W = .250 HP = 30451.717

PJ = 211.821 QJ = 17304.081 A = 2.500

SHP/ENG = 19870.5 SHP TOTAL = 158943.0

NO FAN = 73.6 NO/SEG = 15.4 LIMIT/SEG = 6.2 VTIP = 604.5

WTFAN = 30479.9 WTGR = 2625.6 WTTS = 18559.0

WT AIRU = 53164.5

WT AIRI = 66495.6 WFUEL = 12173.1 WT TIP GEAR = 3000.

WT MAIN GEAR = 44472. WT WING = 247548.

WT SYS = 82173. WT STRUCT = 291820.

TOTAL WEIGHT = 373992. DEL WT = -22507.

FRACTION OF SW/SIDE = .1200 CUSH HT = 72.0 GEAR HT = 98.0

LIFT = 194740.0 L/A = 163.923 H/W = .231 HP = 30451.717

PJ = 340.009 QJ = 63817.222 A = 2.502

SHP/ENG = 27593.4 SHP TOTAL = 220670.5

NO FAN = 73.0 NO/SEG = 14.3 LIMIT/SEG = 6.2 VTIP = 676.1

WTFAN = 34452.4 WTGR = 4042.2 WTTS = 25753.3

WT AIRU = 59207.9

WT AIRI = 84509.8 WFUEL = 17653.6 WT TIP GEAR = 3900.

WT MAIN GEAR = 79997. WT WING = 205600.

WT SYS = 134063. WT STRUCT = 285547.

TOTAL WEIGHT = 393650. DEL WT = 42267.

FRACTION OF SW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 98.0

LIFT = 224700.0 L/A = 189.141 H/W = .218 HP = 96721.879

PJ = 352.033 QJ = 17242.706 A = 2.743
 SHP/ENG = 32556.4 SHP TOTAL = 261331.2
 NO FAN = 72.6 NO/SEG = 16.2 LIMIT/SEG = 6.2 VTIP = 716.7
 WIFAN = 42960.1 WTGR = 6628.4 WTS = 30910.4
 WT AIRU = 50096.4
 WT AIRI = 100123.6 WFUEL = 20905.5 WT TIP GEAR = 4500.
 WT MAIN GEAR = 77421. WT WING = 247351.
 WT SYS = 125530. WT STRUCT = 284772.
 TOTAL WEIGHT = 410303. DEL WT = 38920.

T = 10.0 INCHES T/W = .030303
 THETA = 45.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 93.3 GEAR HT = 17826
 LIFT = 37450.0 L/A = 31.524 H/W = .289 HP = 3970.690
 PJ = 73.123 QJ = 29855.900 A = 2.321
 SHP/ENG = 2776.2 SHP TOTAL = 22239.8
 NO FAN = 73.7 NO/SEG = 16.4 LIMIT/SEG = 6.2 VTIP = 313.6
 WIFAN = 6345.3 WTGR = 1544.0 WTS = 2593.0
 WT AIRU = 12447.3
 WT AIRI = 15609.2 WFUEL = 1776.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 55455. WT WING = 276900.
 WT SYS = 18136. WT STRUCT = 33234.
 TOTAL WEIGHT = 350494. DEL WT = -999.

FRACTION OF GW/SIDE = .0500 CUSH HT = 91.9 GEAR HT = 162.0
 LIFT = 74000.0 L/A = 63.047 H/W = .228 HP = 10880.582
 PJ = 143.510 QJ = 41679.597 A = 2.381
 SHP/ENG = 7607.5 SHP TOTAL = 60859.8
 NO FAN = 73.5 NO/SEG = 16.4 LIMIT/SEG = 6.2 VTIP = 313.6
 WIFAN = 36325.5 WTGR = 3075.0 WTS = 14054.9
 WT AIRU = 25955.9
 WT AIRI = 32444.9 WFUEL = 4868.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 52498. WT WING = 262827.
 WT SYS = 75514. WT STRUCT = 315325.
 TOTAL WEIGHT = 354138. DEL WT = 2765.

FRACTION OF GW/SIDE = .0750 CUSH HT = 86.6 GEAR HT = 147.5
 LIFT = 112350.0 L/A = 94.571 H/W = .263 HP = 19010.898
 PJ = 208.954 QJ = 50079.660 A = 2.474
 SHP/ENG = 13292.0 SHP TOTAL = 104336.2
 NO FAN = 73.1 NO/SEG = 16.3 LIMIT/SEG = 6.2 VTIP = 313.6
 WIFAN = 23636.3 WTGR = 3048.1 WTS = 12924.7
 WT AIRU = 39399.2
 WT AIRI = 44974.0 WFUEL = 8506.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 49700. WT WING = 251351.
 WT SYS = 59631. WT STRUCT = 300051.
 TOTAL WEIGHT = 359582. DEL WT = 8299.

FRACTION OF GW/SIDE = .1000 CUSH HT = 82.5 GEAR HT = 126.0
 LIFT = 142400.0 L/A = 126.094 H/W = .250 HP = 27981.577
 PJ = 271.311 QJ = 56724.109 A = 2.572
 SHP/ENG = 19564.1 SHP TOTAL = 156513.1
 NO FAN = 72.7 NO/SEG = 16.2 LIMIT/SEG = 6.2 VTIP = 313.6

WTFAN = 30531.0 WTGR = 7592.6 WTS = 18272.9

WT AIRU = 32388.9

WT AIRI = 55483.1 WFUEL = 12521.0 WT TIP GEAR = 3000.

WT MAIN GEAR = 44472. WT WING = 247348.

WT SYS = 81004. WT STPUCT = 251820.

TOTAL WEIGHT = 372424. DEL WT = 21441.

FRACTION OF GW/SIDE = .1300 CUSH MT = 76.1 GEAR MT = 98.0

LIFT = 194740.0 L/A = 163.923 M/W = .231 HP = 38590.842

PJ = 338.37 QJ = 52770.370 A = 2.729

SHP/ENG = 26981.9 SHP TOTAL = 215855.3

NO FAN = 72.0 NO/SEG = 16.0 LIMIT/SEG = 6.2 VTIP = 674.2

WTFAN = 30531.0 WTGR = 7592.6 WTS = 18272.9

WT AIRU = 32748.3

WT AIRI = 64685.3 WFUEL = 17268.4 WT TIP GEAR = 3900.

WT MAIN GEAR = 79997. WT WING = 245600.

WT SYS = 105859. WT STPUCT = 285597.

TOTAL WEIGHT = 391441. DEL WT = 40058.

FRACTION OF GW/SIDE = .1500 CUSH MT = 72.0 GEAR MT = 78.0

LIFT = 224700.0 L/A = 180.151 M/W = .218 HP = 43506.219

PJ = 374.057 QJ = 46031.736 A = 2.844

SHP/ENG = 31918.4 SHP TOTAL = 254517.2

WTFAN = 42509.0 WTGR = 6285.0 WTS = 29718.4

WT AIRU = 78013.3

WT AIRI = 97515.5 WFUEL = 20363.8 WT TIP GEAR = 4500.

WT MAIN GEAR = 77421. WT WING = 247351.

WT SYS = 122580. WT STPUCT = 264772.

WTFAN = 42509.0 WTGR = 6285.0 WTS = 29718.4

WT AIRU = 78013.3

WT AIRI = 97515.5 WFUEL = 20363.8 WT TIP GEAR = 4500.

WT MAIN GEAR = 77421. WT WING = 247351.

WT SYS = 122580. WT STPUCT = 264772.

TOTAL WEIGHT = 391441. DEL WT = 40058.

FRACTION OF GW/SIDE = .0500 CUSH MT = 91.9 GEAR MT = 162.8

LIFT = 37450.0 L/A = 31.924 M/W = .289 HP = 4188.133

PJ = 76.197 QJ = 30270.635 A = 2.265

SHP/ENG = 2928.3 SHP TOTAL = 1426.9

NO FAN = 73.1 NO/SEG = 16.3 LIMIT/SEG = 6.2 VTIP = 320.1

WTFAN = 8622.9 WTGR = 1592.5 WTS = 2735.0

WTFAN = 8622.9 WTGR = 1592.5 WTS = 2735.0

WT AIRU = 16186.3 WFUEL = 1874.1 WT TIP GEAR = 1500.

WT MAIN GEAR = 55458. WT WING = 276900.

WT SYS = 122580. WT STPUCT = 332358.

TOTAL WEIGHT = 351170. DEL WT = 213.

FRACTION OF GW/SIDE = .0500 CUSH MT = 91.9 GEAR MT = 162.8

LIFT = 74900.0 L/A = 63.847 M/W = .278 HP = 11431.039

PJ = 149.179 QJ = 42144.412 A = 2.330

SHP/ENG = 7922.3 SHP TOTAL = 63938.7

NO FAN = 72.8 NO/SEG = 16.2 LIMIT/SEG = 6.2 VTIP = 447.8

WTFAN = 14820.3 WTGR = 2589.2 WTS = 7464.7

WT AIRU = 26844.8

WT AIRI = 33568.0 WFUEL = 5115.1 WT TIP GEAR = 1500.

WT MAIN GEAR = 55458. WT WING = 276900.

WT SYS = 122580. WT STPUCT = 332358.

TOTAL WEIGHT = 351170. DEL WT = 213.

WT MAIN GEAR = 50455. WT WING = 252927.
WT SYS = 40183. WT STRUCT = 315325.
TOTAL WEIGHT = 355506. DEL WT = 4125.

FRACTION OF BW/SIDE = .0750 CUSH HT = 36.8 GEAR HT = 197.5
LIFT = 112350.0 L/A = 99.571 H/W = .263 HP = 19852.629
PJ = 216.411 QJ = 50454.711 A = 2.937
SHP/ENG = 1390.5 SHP TOTAL = 111094.3
NO FAN = 72.4 NO/SEG = 16.1 LIMIT/SEG = 6.2 VTIP = 530.4
WTFAN = 24253.9 WTGR = 3095.0 WTTS = 12964.4
WT AIRU = 86303.9
WT AIRI = 50379.9 WFUEL = 8983.5 WT TIP GEAR = 2252.

WT MAIN GEAR = 44700. WT WING = 221551.
WT SYS = 61513. WT STRUCT = 300031.
TOTAL WEIGHT = 361564. DEL WT = 10181.

FRACTION OF BW/SIDE = .1000 CUSH HT = 52.5 GEAR HT = 186.0
LIFT = 149800.0 L/A = 126.098 H/W = .250 HP = 24070.129
PJ = 280.127 QJ = 57078.126 A = 2.538
SHP/ENG = 20375.2 SHP TOTAL = 162601.8
NO FAN = 72.0 NO/SEG = 16.0 LIMIT/SEG = 6.2 VTIP = 613.7
WTFAN = 31216.2 WTGR = 3643.6 WTTS = 18943.6
WT AIRU = 53553.5

WT AIRI = 41329.4 WFUEL = 13000.1 WT TIP GEAR = 13000.1
WT MAIN GEAR = 44722. WT WING = 221551.
WT SYS = 83338. WT STRUCT = 291820.
TOTAL WEIGHT = 375157. DEL WT = 23774.

FRACTION OF BW/SIDE = .1250 CUSH HT = 68.0 GEAR HT = 175.0
LIFT = 184700.0 L/A = 157.625 H/W = .225 HP = 31580.559
PJ = 347.400 QJ = 62969.271 A = 2.220
SHP/ENG = 27413.9 SHP TOTAL = 222511.4
NO FAN = 71.3 NO/SEG = 15.8 LIMIT/SEG = 6.2 VTIP = 683.5
WTFAN = 39353.0 WTGR = 5029.0 WTTS = 25978.2
WT AIRU = 60360.8
WT AIRI = 86701.0 WFUEL = 17800.9 WT TIP GEAR = 3902.
WT MAIN GEAR = 39987. WT WING = 295609.
WT SYS = 108402. WT STRUCT = 285587.
TOTAL WEIGHT = 393989. DEL WT = 42606.

FRACTION OF BW/SIDE = .1500 CUSH HT = 72.0 GEAR HT = 78.0
LIFT = 224700.0 L/A = 189.141 H/W = .210 HP = 46674.958
PJ = 344.460 QJ = 66056.165 A = 2.936
SHP/ENG = 32674.2 SHP TOTAL = 261073.2
NO FAN = 70.8 NO/SEG = 15.7 LIMIT/SEG = 6.2 VTIP = 722.6
WTFAN = 42565.3 WTGR = 6581.5 WTTS = 36480.3
WT AIRU = 79627.3
WT AIRI = 99534.2 WFUEL = 20385.9 WT TIP GEAR = 4503.
WT MAIN GEAR = 7421. WT WING = 297351.
WT SYS = 124920. WT STRUCT = 284772.
TOTAL WEIGHT = 409492. DEL WT = 58309.

DOVRS 000000 FPOF 000600 FPUF 000000 ERMD 000000

9FLT.C T.230

ELT017 RL1870 10/17-13:29:02-10.7

000001	000	1498000.	1782.	2.358	330.		
000022	000	0605280600	30		30R SEMISPAN		
000003	000	.025	.050	.075	.096	.13	.15
000004	000	105.3	102.6	98.7	93.8	85.1	79.0
000005	000	2.	1.	6.	8.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	.075	.096	.13	.15
000008	000	172.8	166.0	158.5	150.0	142.0	93.
000009	000	.025	.050	.075	.096	.13	.15
000010	000	278778.	265865.	254706.	249700.	247000.	247225.

TASK UNITS: 0 PGM SIZE: 6148

9X0T

GN = 1999000.000 LBS CUSHION AREA = 1792.0 SQUARE FEET

SWEEP = 40.0 DEGREES L/W = 2.356 U = 330.0 INCHES

T = 2.0 INCHES T/W = .006061

THETA = 15.0 DEGREES 30% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8

LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 3246.061

PJ = 255.604 QJ = 15378.616 A = 2.235

SHP/ENG = 8997.0 SHP TOTAL = 39874.0

NO FAN = 20.3 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 586.2

WTFAN = 8034.2 WTGB = 1512.2 WTS = 4667.2

WT AIRU = 14213.5

WT AIRI = 17768.5 WFUEL = 314.5 WT TIP GEAR = 1507.0

WT MAIN GEAR = 55680.0 WT WING = 278778.0

WT SYS = 21715.0 WT STRUCT = 338458.0

TOTAL WEIGHT = 356173.0 DEL WT = 4790.0

FRACTION OF SW/SIDE = .0900 CUSH HT = 102.8 GEAR HT = 166.0

LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 19814.517

PJ = 508.537 QJ = 21525.976 A = 2.266

SHP/ENG = 13853.9 SHP TOTAL = 510831.2

NO FAN = 20.3 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 823.6

WTFAN = 15854.2 WTGB = 3072.2 WTS = 12939.5

WT AIRU = 31194.8

WT AIRI = 38993.4 WFUEL = 8866.5 WT TIP GEAR = 1507.0

WT MAIN GEAR = 53048.0 WT WING = 265865.0

WT SYS = 49360.0 WT STRUCT = 318913.0

TOTAL WEIGHT = 368273.0 DEL WT = 16890.0

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0

LIFT = 112150.0 L/A = 43.037 H/W = .299 HP = 35112.659

PJ = 739.940 QJ = 26184.692 A = 2.320

SHP/ENG = 24592.7 SHP TOTAL = 196741.9

NO FAN = 20.3 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 997.8

WTFAN = 23239.2 WTGB = 3506.6 WTS = 22969.8

WT AIRU = 49715.4

WT AIRI = 62184.2 WFUEL = 15739.3 WT TIP GEAR = 2252.0

WT MAIN GEAR = 49776.0 WT WING = 254706.0

WT SYS = 80134.0 WT STRUCT = 304482.0

TOTAL WEIGHT = 388415.0 DEL WT = 33232.0

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0

LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 48757.825

PJ = 920.326 QJ = 29138.389 A = 2.391

SHP/ENG = 34090.5 SHP TOTAL = 272723.6

NO FAN = 20.3 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 1122.3

WTFAN = 28885.3 WTGB = 5665.3 WTS = 31840.5

WT AIRU = 66391.0

WT AIRI = 82988.8 WFUEL = 21817.9 WT TIP GEAR = 2882.0

WT MAIN GEAR = 46522.0 WT WING = 249700.0

WT SYS = 107687.0 WT STRUCT = 296222.0

TOTAL WEIGHT = 403908.0 DEL WT = 52525.0

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 198740.0 L/A = 109.282 M/W = .258 HP = 705036662
 PJ = 1177.928 QJ = 32919.687 A = 2.536
 SHP/ENG = 49299.7 SHP TOTAL = 399327.5
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 1258.4
 WIFAN = 36919.4 WTGB = 13333.3 WITS = 46041.2
 WT AIRU = 96299.0
 WT AIRI = 120367.5 WFUEL = 31548.6 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 155816. WT STRUCT = 288399.
 TOTAL WEIGHT = 444210. DEL WT = 92827.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 224700.0 L/A = 126.094 M/W = .239 HP = 816376966
 PJ = 1300.096 QJ = 34515.091 A = 2.458
 SHP/ENG = 57003.5 SHP TOTAL = 456748.3
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 1322.1
 WIFAN = 40701.8 WTGB = 10968.3 WITS = 53325.4
 WT AIRU = 11399.8
 WT AIRI = 1424.3 WFUEL = 36539.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 183534. WT STRUCT = 285046.
 TOTAL WEIGHT = 469380. DEL WT = 117997.

T = 2.0 INCHES T/W = .0061
 THETA = 30.0 DEGREES 308 SERISPRN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 M/W = .319 HP = 6540.801
 PJ = 1.808 QJ = 14080.2 A = 2.69
 SHP/ENG = 4573.2 SHP TOTAL = 36585.8
 NO FAN = 20.3 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 569.1
 WIFAN = 7567.4 WTGB = 1441.8 WITS = 4271.4
 WT AIRU = 13280.6
 WT AIRI = 16400.8 WFUEL = 2925.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 248778.
 WT SYS = 20278. WT STRUCT = 334458.
 TOTAL WEIGHT = 354735. DEL WT = 3352.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 14408.0 L/A = 42.031 M/W = .243 HP = 2483.71
 PJ = 475.396 QJ = 20921.993 A = 2.415
 SHP/ENG = 12649.3 SHP TOTAL = 101199.6
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 798.6
 WIFAN = 14909.5 WTGB = 2308.1 WITS = 11814.5
 WT AIRU = 24932.1
 WT AIRI = 36290.1 WFUEL = 8095.6 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 265865.
 WT SYS = 45886. WT STRUCT = 318913.
 TOTAL WEIGHT = 364796. DEL WT = 13415.

FRACTION OF GW/SIDE = .0750 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 112350.0 L/A = 63.047 M/W = .299 HP = 31089.712
 PJ = 695.722 QJ = 25289.328 A = 2.480

SHP/ENG = 22366.5 SHP TOTAL = 178932.3
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 967.1
 W/FAN = 21796.9 WTGB = 3196.8 WTS = 20890.3
 WT AIRU = 35888.1
 WT AIRI = 57355.1 WFUEL = 14314.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 99776. WT WING = 254706.
 WT SYS = 73920. WT STRUCT = 304482.
 TOTAL WEIGHT = 378401. DEL WT = 27016.

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 44130.213
 PJ = 862.515 QJ = 28137.289 A = 2.569
 SHP/ENG = 30874.0 SHP TOTAL = 246992.0
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 1076.0
 W/FAN = 27008.1 WTGB = 4749.1 WTS = 28418.5
 WT AIRU = 60571.7
 WT AIRI = 75714.7 WFUEL = 19747.2 WT TIP GEAR = 2880.
 WT MAIN GEAR = 46522. WT WING = 219700.
 WT SYS = 98342. WT STRUCT = 296272.
 TOTAL WEIGHT = 394564. DEL WT = 43181.

FRACTION OF SW/SIDE = .1300 CUSH HT = 95.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.242 H/W = .258 HP = 43239.045
 PJ = 1097.638 QJ = 31687.576 A = 2.237
 SHP/ENG = 44215.4 SHP TOTAL = 353721.3
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1218.8
 W/FAN = 34305.1 WTGB = 10065.0 WTS = 41297.2
 WT AIRU = 95665.3
 WT AIRI = 107081.4 WFUEL = 24297.9 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 259800.
 WT SYS = 139279. WT STRUCT = 28009.2
 TOTAL WEIGHT = 423478. DEL WT = 78271.

FRACTION OF SW/SIDE = .1500 CUSH HT = 74.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 72756.876
 PJ = 1206.279 QJ = 33173.334 A = 2.882
 SHP/ENG = 50870.1 SHP TOTAL = 406940.7
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1273.5
 W/FAN = 37649.0 WTGB = 14494.2 WTS = 47512.7
 WT AIRU = 99655.8
 WT AIRI = 124564.7 WFUEL = 32552.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38621. WT WING = 247226.
 WT SYS = 161627. WT STRUCT = 285896.
 TOTAL WEIGHT = 447473. DEL WT = 96090.

Y = 2.0 INCHES Y/W = .006061
 THETA = 45.0 DEGREES 30% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 6365.132
 PJ = 231.291 QJ = 14753.939 A = 2.428
 SHP/ENG = 4450.4 SHP TOTAL = 35602.9
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 569.8
 W/FAN = 7826.0 WTGB = 1420.1 WTS = 4156.4

WT AIRU = 13003.2
 WT AIRI = 16253.9 WFUEL = 2848.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 278778.
 WT SYS = 19852. WT STRUCT = 339958.
 TOTAL WEIGHT = 359310. DEL WT = 2927.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.0 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 M/D = .312 HP = 17561.435
 PJ = 466.887 QJ = 20687.631 A = 2.470
 SHP/ENG = 12278.6 SHP TOTAL = 98228.7
 NO FAN = 20.2 NO/SEG = 3.1 LIMIT/SEG = 9.3 VTIP = 792.3
 WIFAN = 14506.9 WTGB = 2278.0 WITS = 11868.2
 WT AIRU = 28553.2 WT AIRI = 35442.0 WFUEL = 7858.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53088. WT WING = 265865.
 WT SYS = 44800. WT STRUCT = 318913.
 TOTAL WEIGHT = 363713. DEL WT = 12330.

FRACTION OF GW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 63.047 M/D = .299 HP = 30921.488
 PJ = 681.103 QJ = 24969.524 A = 2.543
 SHP/ENG = 21659.7 SHP TOTAL = 172957.3
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 956.9
 WIFAN = 21294.0 WTGB = 3104.8 WITS = 20192.4
 WT AIRU = 94591.5 WT AIRI = 57339.8 WFUEL = 13836.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 49776. WT WING = 254706.
 WT SYS = 71926. WT STRUCT = 304592.
 TOTAL WEIGHT = 376308. DEL WT = 24925.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 80.700 M/D = .284 HP = 42436.495
 PJ = 841.644 QJ = 27731.516 A = 2.639
 SHP/ENG = 24670.7 SHP TOTAL = 237365.7
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1063.7
 WIFAN = 26289.2 WTGB = 4463.0 WITS = 27712.4
 WT AIRU = 58464.7 WT AIRI = 73080.9 WFUEL = 18989.3 WT TIP GEAR = 2880.
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 94950. WT STRUCT = 296222.
 TOTAL WEIGHT = 391172. DEL WT = 34760.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 199740.0 L/A = 109.252 M/D = .258 HP = 60233.666
 PJ = 1064.315 QJ = 31126.605 A = 2.837
 SHP/ENG = 42114.1 SHP TOTAL = 336912.9
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1196.2
 WIFAN = 33142.3 WTGB = 8429.0 WITS = 39334.6
 WT AIRU = 81446.0 WT AIRI = 101807.4 WFUEL = 26953.0 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 132660. WT STRUCT = 288394.
 TOTAL WEIGHT = 421355. DEL WT = 69672.

FRACTION OF SW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 83.0
 LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 38616.288
 PJ = 1164.365 QJ = 32504.082 A = 3.801
 SHP/ENG = 48114.9 SHP TOTAL = 384919.3
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1251.2
 WIFAN = 34245.1 WTGB = 12485.2 WITS = 44939.3
 WT AIRU = 93669.7
 WT AIRI = 117087.1 WFUEL = 30793.5 WT TIP GEAR = 4509.
 WT MAIN GEAR = 78621. WT WING = 287225.
 WT SYS = 152381. WT STRUCT = 285846.
 TOTAL WEIGHT = 438227. DEL WT = 96844.

T = 2.0 INCHES T/W = .006061
 THETA = 60.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 6573.713
 PJ = 242.482 QJ = 14898.296 A = 2.381
 SHP/ENG = 4506.2 SHP TOTAL = 36759.6
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 571.2
 WIFAN = 7583.9 WTGB = 1444.5 WITS = 4292.7
 WT AIRU = 13321.3
 WT AIRI = 15651.5 WFUEL = 2941.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 55600. WT WING = 278778.
 WT SYS = 20345. WT STRUCT = 37498.7
 TOTAL WEIGHT = 354801. DEL WT = 5412.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74700.0 L/A = 42.031 H/W = .299 HP = 13694.274
 PJ = 476.624 QJ = 20864.724 A = 2.321
 SHP/ENG = 12645.0 SHP TOTAL = 101110.
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 800.5
 WIFAN = 14558.3 WTGB = 2306.3 WITS = 11810.4
 WT AIRU = 29005.0
 WT AIRI = 36256.3 WFUEL = 8092.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 265865.
 WT SYS = 45849. WT STRUCT = 318915.
 TOTAL WEIGHT = 364762. DEL WT = 13379.

FRACTION OF GW/SIDE = .0750 CUSH HT = 91.3 GEAR HT = 155.0
 LIFT = 112350.0 L/A = 63.087 H/W = .299 HP = 31694.274
 PJ = 693.152 QJ = 25193.668 A = 2.507
 SHP/ENG = 22160.0 SHP TOTAL = 177279.8
 NO FAN = 20.2 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 965.3
 WIFAN = 21535.6 WTGB = 3169.3 WITS = 20597.8
 WT AIRU = 45502.3
 WT AIRI = 56877.9 WFUEL = 14182.4 WT TIP GEAR = 2250.
 WT MAIN GEAR = 19276. WT WING = 258206.
 WT SYS = 73310. WT STRUCT = 304492.
 TOTAL WEIGHT = 377192. DEL WT = 26409.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 148.0
 LIFT = 143800.0 L/A = 80.700 H/W = .288 HP = 43247.424

PJ = 853.301 QJ = 27875.368 A = 2.612
 SHP/ENG = 30237.7 SHP TOTAL = 241981.6
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VIIP = 1071.1
 WIFAN = 26608.0 WTGB = 4594.8 WITS = 28292.0
 WT AIRU = 5944.8
 WT AIRI = 74306.0 WFUEL = 19352.1 WT TIP GEAR = 286 G.
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 96536. WT STRUCT = 296222.
 TOTAL WEIGHT = 392760. DEL WT = 41377.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 60741.677
 PJ = 1071.632 QJ = 31174.802 A = 2.612
 SHP/ENG = 42469.3 SHP TOTAL = 339759.5
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VIIP = 1203.3
 WIFAN = 33347.8 WTGB = 9107.7 WITS = 39566.3
 WT AIRU = 82121.8
 WT AIRI = 102652.2 WFUEL = 27180.4 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 133733. WT STRUCT = 268394.
 TOTAL WEIGHT = 422127. DEL WT = 70749.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224200.0 L/A = 124.994 H/W = .258 HP = 68874.500
 PJ = 1146.539 QJ = 32470.603 A = 3.008
 SHP/ENG = 48152.1 SHP TOTAL = 385216.9
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VIIP = 1252.3
 WIFAN = 36239.3 WTGB = 12504.8 WITS = 44974.1
 WT AIRU = 93718.2
 WT AIRI = 113240.2 WFUEL = 30221.7 WT TIP GEAR = 3900.
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 152445. WT STRUCT = 285084.
 TOTAL WEIGHT = 438311. DEL WT = 86928.

T = 4.0 INCHES Y/U = .012121
 THETA = 15.0 DEGREES 308 SERISPAN
 FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 5175.497
 PJ = 130.892 QJ = 21747.090 A = 2.235
 SHP/ENG = 3816.1 SHP TOTAL = 20916.1
 NO FAN = 40.1 NO/SEG = 8.0 LIMIT/SEG = 9.3 VIIP = 410.5
 WIFAN = 8130.1 WTGB = 1516.9 WITS = 3379.8
 WT AIRU = 13026.4
 WT AIRI = 16282.9 WFUEL = 2315.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 15680. WT WING = 278778.
 WT SYS = 19349. WT STRUCT = 334458.
 TOTAL WEIGHT = 353806. DEL WT = 2423.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 266.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 14357.040
 PJ = 248.918 QJ = 30544.708 A = 2.266
 SHP/ENG = 10038.1 SHP TOTAL = 60305.1
 NO FAN = 40.1 NO/SEG = 8.0 LIMIT/SEG = 9.3 VIIP = 449.5

WTFAN = 16048.0 WTGR = 2426.5 WTTIS = 9375.0
 WT AIRU = 27850.1
 WT AIRI = 34812.6 WFUEL = 6424.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53000. WT WING = 24500.
 WT SYS = 42737. WT STRUCT = 318933.
 TOTAL WEIGHT = 361650. DEL WT = 10267.

FRACTION OF SW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 63.297 M/W = .299 HP = 29511.858

PJ = 379.521 QJ = 36971.181 A = 2.320
 SHP/ENG = 17837.1 SHP TOTAL = 142697.2

NO FAN = 10.1 NO/SEG = 8.0 LIMIT/SEG = 2.3 VTIP = 710.7

WTFAN = 23535.0 WTGR = 1091.0 WTTIS = 1091.0

WT AIRU = 43246.2

WT AIRI = 54057.8 WFUEL = 11915.8 WT TIP GEAR = 2253.

WT MAIN GEAR = 49775. WT WING = 254706.

WT SYS = 67724. WT STRUCT = 304482.

TOTAL WEIGHT = 372205. DEL WT = 20822.

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0

LIFT = 143808.0 L/A = 80.700 M/W = .284 HP = 35410.913

PJ = 472.670 QJ = 41204.195 A = 2.391

SHP/ENG = 24754.6 SHP TOTAL = 198044.6

NO FAN = 10.0 NO/SEG = 8.0 LIMIT/SEG = 2.3 VTIP = 771.8

WTFAN = 29272.6 WTGR = 3076.0 WTTIS = 25124.9

WT AIRU = 56323.1

WT AIRI = 70403.8 WFUEL = 15945.5 WT TIP GEAR = 2883.

WT MAIN GEAR = 46522. WT WING = 249700.

WT SYS = 89129. WT STRUCT = 294222.

TOTAL WEIGHT = 385551. DEL WT = 33333.

FRACTION OF SW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0

LIFT = 194740.0 L/A = 109.282 M/W = .258 HP = 51943.384

PJ = 666.530 QJ = 46550.179 A = 2.536

SHP/ENG = 35898.2 SHP TOTAL = 287189.8

NO FAN = 39.9 NO/SEG = 8.0 LIMIT/SEG = 9.3 VTIP = 903.1

WTFAN = 37465.0 WTGR = 7131.0 WTTIS = 93528.9

WT AIRU = 78124.9

WT AIRI = 97656.1 WFUEL = 22974.9 WT TIP GEAR = 3903.

WT MAIN GEAR = 41394. WT WING = 247000.

WT SYS = 124331. WT STRUCT = 200594.

TOTAL WEIGHT = 412425. DEL WT = 43582.

FRACTION OF SW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0

LIFT = 224700.0 L/A = 126.294 M/W = .239 HP = 59000.849

PJ = 671.073 QJ = 48847.887 A = 2.638

SHP/ENG = 41671.7 SHP TOTAL = 333373.6

NO FAN = 39.6 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 948.8

WTFAN = 41349.5 WTGR = 10076.6 WTTIS = 38921.4

WT AIRU = 90347.5

WT AIRI = 112934.9 WFUEL = 26649.2 WT TIP GEAR = 4503.

WT MAIN GEAR = 38621. WT WING = 247228.

WT SYS = 144104. WT STRUCT = 285846.

TOTAL WEIGHT = 429950. DEL WT = 78567.

T = 4.0 INCHES T/W = .012121
 THETA = 30.0 DEGREES 308 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 M/W = .319 HP = 4758.099
 PJ = 124.138 QJ = 21081.055 A = 2.378
 SHP/ENG = 3326.8 SHP TOTAL = 26614.1
 NO FAN = 39.9 NO/SEG = 8.0 LIMIT/SEG = 9.3 VTIP = 908.5
 WTFAN = 7675.1 WTGB = 1445.6 WTS = 3107.2
 WT AIRU = 12227.9
 WT AIRI = 15284.9 WFUEL = 2129.1 WT TIP GEAR = 753
 WT MAIN GEAR = 55600.0 WT WING = 278978
 WT SYS = 18164. WT STRUCT = 334450.
 TOTAL WEIGHT = 352422. DEL WT = 1238.

FRACTION OF SW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 M/W = .312 HP = 13169.807
 PJ = 244.833 QJ = 29585.035 A = 2.815
 SHP/ENG = 9278.1 SHP TOTAL = 73648.9
 NO FAN = 39.9 NO/SEG = 8.0 LIMIT/SEG = 9.3 VTIP = 573.7
 WTFAN = 15126.8 WTGB = 2346.3 WTS = 8600.3
 WT AIRU = 26073.4
 WT AIRI = 32581.8 WFUEL = 9895.2 WT TIP GEAR = 3580
 WT MAIN GEAR = 53080. WT WING = 215865.
 WT SYS = 39945. WT STRUCT = 318913.
 TOTAL WEIGHT = 358898. DEL WT = 7515.

FRACTION OF SW/SIDE = .0750 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 112350.0 L/A = 63.047 M/W = .299 HP = 35514.808
 PJ = 358.585 QJ = 35760.397 A = 2.988
 SHP/ENG = 16321.2 SHP TOTAL = 130409.8
 NO FAN = 39.9 NO/SEG = 8.0 LIMIT/SEG = 9.3 VTIP = 694.3
 WTFAN = 22127.8 WTGB = 2916.8 WTS = 15225.3
 WT AIRU = 40269.9
 WT AIRI = 50337.4 WFUEL = 10432.8 WT TIP GEAR = 2258.
 WT MAIN GEAR = 99776. WT WING = 259704.
 WT SYS = 63020. WT STRUCT = 304482.
 TOTAL WEIGHT = 367502. DEL WT = 16119.

FRACTION OF SW/SIDE = .0900 CUSH HT = 93.8 GEAR HT = 146.8
 LIFT = 143808.0 L/A = 80.700 M/W = .288 HP = 32213.592
 PJ = 445.308 QJ = 39747.008 A = 2.564
 SHP/ENG = 22523.1 SHP TOTAL = 190184.6
 NO FAN = 39.8 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 773.7
 WTFAN = 27435.4 WTGB = 3574.3 WTS = 21036.9
 WT AIRU = 52046.3
 WT AIRI = 65057.9 WFUEL = 14414.8 WT TIP GEAR = 2882.
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 82353. WT STRUCT = 296222.
 TOTAL WEIGHT = 378574. DEL WT = 27191.

FRACTION OF SW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0

LIFT = 199740.0 L/A = 109.282 M/W = .258 HP = 96311.723
 PJ = 568.882 QJ = 44806.062 A = 2.737
 SHP/ENG = 32390.2 SHP TOTAL = 259041.5
 NO FAN = 39.7 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 878.2
 WIFAN = 34908.8 WTGB = 5799.5 WTS = 30243.1
 WT AIRU = 70951.4
 WT AIRI = 88689.3 WFUEL = 20723.3 WT TIP GEAR = 3803
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 113313. WT STRUCT = 288394.
 TOTAL WEIGHT = 401707. DEL WT = 50324.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.041 M/W = .258 HP = 96311.723
 PJ = 626.444 QJ = 46905.741 A = 2.882
 SHP/ENG = 37353.7 SHP TOTAL = 298820.8
 NO FAN = 39.6 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 917.7
 WIFAN = 38362.5 WTGB = 7765.6 WTS = 34888.4
 WT AIRU = 81014.5
 WT AIRI = 101270.6 WFUEL = 23906.4 WT TIP GEAR = 4582.7
 WT MAIN GEAR = 78621. WT WING = 247225.
 WT SYS = 129677. WT STRUCT = 289884.
 TOTAL WEIGHT = 415523. DEL WT = 64140.

T = 1.0 INCHES T/M = .012121
 THETA = 45.0 DEGREES 50% SPAN
 FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 M/W = .319 HP = 4648.359
 PJ = 122.585 QJ = 20842.886 A = 2.428
 SHP/ENG = 3250.0 SHP TOTAL = 26000.0
 NO FAN = 39.8 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 878.2
 WIFAN = 7506.7 WTGB = 7825.3 WTS = 3288.0
 WT AIRU = 12007.5
 WT AIRI = 15009.3 WFUEL = 2080.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 5580. WT WING = 278778.
 WT SYS = 17839. WT STRUCT = 33448.
 TOTAL WEIGHT = 352297. DEL WT = 914.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 71900.0 L/A = 42.031 M/W = .312 HP = 12834.889
 PJ = 241.312 QJ = 29252.711 A = 2.478
 SHP/ENG = 8973.9 SHP TOTAL = 71790.9
 NO FAN = 39.7 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 878.2
 WIFAN = 14949.1 WTGB = 2320.9 WTS = 8381.6
 WT AIRU = 25551.6
 WT AIRI = 21939.5 WFUEL = 5743.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 265865.
 WT SYS = 39183. WT STRUCT = 318913.
 TOTAL WEIGHT = 354395. DEL WT = 6712.

FRACTION OF GW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 63.047 M/W = .290 HP = 22629.699
 PJ = 352.521 QJ = 35306.964 A = 2.543
 SHP/ENG = 15822.8 SHP TOTAL = 124578.8

NO FAN = 39.7 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 688.9
 WTFAN = 21661.7 WTGB = 2876.0 WTS = 14778.1
 WT AIRU = 39315.8
 WT AIRI = 49144.8 WFUEL = 10126.3 WT TIP GEAR = 225.0
 WT MAIN GEAR = 19776. WT WING = 254706.
 WT SYS = 61521. WT STRUCT = 304492.
 TOTAL WEIGHT = 366103. DEL WT = 18620.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 31112.594
 PJ = 436.397 OJ = 39211.807 A = 2.639
 SHP/ENG = 21743.3 SHP TOTAL = 174026.2
 NO FAN = 39.6 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 746.0
 WTFAN = 26766.9 WTGB = 3468.3 WTS = 20317.6
 WT AIRU = 50552.7
 WT AIRI = 53140.9 WFUEL = 13922.1 WT TIP GEAR = 288.0
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 79993. WT STRUCT = 296222.
 TOTAL WEIGHT = 376213. DEL WT = 24832.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 44322.940
 PJ = 523.900 OJ = 44010.448 A = 2.837
 SHP/ENG = 30989.7 SHP TOTAL = 247947.2
 NO FAN = 39.5 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 862.0
 WTFAN = 33946.6 WTGB = 5358.5 WTS = 28944.4
 WT AIRU = 68149.5
 WT AIRI = 85186.9 WFUEL = 19833.4 WT TIP GEAR = 390.0
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 108920.4 WT STRUCT = 305943.5
 TOTAL WEIGHT = 597315. DEL WT = 45932.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 50792.984
 PJ = 607.838 OJ = 45959.846 A = 3.002
 SHP/ENG = 35513.4 SHP TOTAL = 284107.1
 NO FAN = 39.3 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 904.0
 WTFAN = 37026.5 WTGB = 6950.8 WTS = 33169.5
 WT AIRU = 77146.8
 WT AIRI = 96433.5 WFUEL = 22728.6 WT TIP GEAR = 450.0
 WT MAIN GEAR = 50621. WT WING = 247221.
 WT SYS = 123662. WT STRUCT = 285846.
 TOTAL WEIGHT = 409508. DEL WT = 58125.

T = 4.0 INCHES T/W = .012121
 THETA = 60.0 DEGREES 30% SEPTSPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.5 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 4415.015
 PJ = 125.712 OJ = 21066.076 A = 2.381
 SHP/ENG = 3356.6 SHP TOTAL = 26932.5
 NO FAN = 39.7 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 1111.0
 WTFAN = 7718.1 WTGB = 1452.5 WTS = 3144.4
 WT AIRU = 12315.0

WT AIRI = 5393.7 WFUEL = 2154.6 WT TIP GEAR = 753.
WT MAIN GEAR = 5680. WT WING = 278778.
WT SYS = 18298. WT STRUCT = 334458.
TOTAL WEIGHT = 352756. DEL WT = 1323.

FRACTION OF SW/SIDE = .0500 CUSH HT = 192.8 GEAR HT = 166.0
LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 13258.262
PJ = 247.109 QJ = 29509.481 A = 2.427
SHP/ENG = 8248.8 SHP TOTAL = 74158.3
NO FAN = 39.6 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 576.4
WTFAN = 15158.1 WTGB = 2348.4 WTTIS = 8658.1
WT AIRU = 26168.7

WT AIRI = 32705.9 WFUEL = 5922.9 WT TIP GEAR = 1513.
WT MAIN GEAR = 53048. WT WING = 265865.
WT SYS = 40139. WT STRUCT = 318913.
TOTAL WEIGHT = 359051. DEL WT = 7568.

FRACTION OF SW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
LIFT = 112350.0 L/A = 43.047 H/W = .299 HP = 23269.246
PJ = 359.909 QJ = 34559.250 A = 2.507
SHP/ENG = 16249.4 SHP TOTAL = 130155.1
NO FAN = 39.6 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 695.5
WTFAN = 22043.9 WTGB = 2910.2 WTTIS = 15195.6
WT AIRU = 40189.7
WT AIRI = 50187.1 WFUEL = 10412.4 WT TIP GEAR = 2238.
WT MAIN GEAR = 49776. WT WING = 25870.
WT SYS = 62850. WT STRUCT = 304482.
TOTAL WEIGHT = 367331. DEL WT = 15948.

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.5 GEAR HT = 148.0
LIFT = 143808.0 L/A = 40.700 H/W = .288 HP = 31433.187
PJ = 443.936 QJ = 39413.943 A = 2.612
SHP/ENG = 22243.1 SHP TOTAL = 177944.9
NO FAN = 39.5 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 772.5
WTFAN = 27136.3 WTGB = 3531.2 WTTIS = 20775.1
WT AIRU = 51442.5
WT AIRI = 64303.1 WFUEL = 14235.6 WT TIP GEAR = 2883.
WT MAIN GEAR = 46522. WT WING = 249700.
WT SYS = 81419. WT STRUCT = 296222.
TOTAL WEIGHT = 377680. DEL WT = 24257.

FRACTION OF SW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 142.0
LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 44861.221
PJ = 559.782 QJ = 44077.265 A = 2.928
SHP/ENG = 31346.8 SHP TOTAL = 250928.2
NO FAN = 39.3 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 867.5
WTFAN = 34077.2 WTGB = 5468.1 WTTIS = 29295.9
WT AIRU = 68841.2
WT AIRI = 86051.6 WFUEL = 20074.3 WT TIP GEAR = 3903.
WT MAIN GEAR = 41394. WT WING = 247000.
WT SYS = 110026. WT STRUCT = 288394.
TOTAL WEIGHT = 398420. DEL WT = 47037.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.9
 LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 51033.406
 PJ = 431.410 QJ = 15907.600 A = 3.008
 SHP/ENG = 35681.5 SHP TOTAL = 285451.9
 NO FAN = 39.2 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 906.6
 WIFAN = 37092.9 WTGB = 7014.8 WITS = 33326.5
 WT AIRU = 77434.3
 WT AIRI = 96792.8 WFUEL = 22036.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 124129. WT STRUCT = 28581A.
 TOTAL WEIGHT = 409975. DEL WT = 58592.

THETA = 15.0 DEGREES 30% SPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 4327.328
 PJ = 89.369 QJ = 26631.979 A = 2.235
 SHP/ENG = 3025.6 SHP TOTAL = 24204.6
 NO FAN = 59.5 NO/SEG = 12.9 LIMIT/SEG = 9.3 VTIP = 306.6
 WIFAN = 8226.8 WTGB = 1530.1 WITS = 2825.9
 WT AIRU = 12582.8
 WT AIRI = 15728.5 WFUEL = 1936.4 WT TIP GEAR = 753.
 WT MAIN GEAR = 5540. WT WING = 276778.
 WT SYS = 14484. WT STRUCT = 50958.
 TOTAL WEIGHT = 352872. DEL WT = 3489.

FRACTION OF SW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 12311.057
 PJ = 210.110 QJ = 57404.159 A = 2.320
 SHP/ENG = 8397.9 SHP TOTAL = 67183.9
 NO FAN = 59.8 NO/SEG = 12.9 LIMIT/SEG = 9.3 VTIP = 408.7
 WIFAN = 16243.4 WTGB = 2489.0 WITS = 7853.6
 WT AIRU = 26576.0
 WT AIRI = 33220.0 WFUEL = 5774.6 WT TIP GEAR = 1503.
 WT MAIN GEAR = 53048. WT WING = 265865.
 WT SYS = 40095. WT STRUCT = 518913.
 TOTAL WEIGHT = 3590076 DEL WT = 7624.

FRACTION OF SW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 74.631 H/W = .312 HP = 18452.990
 PJ = 250.338 QJ = 45274.147 A = 2.320
 SHP/ENG = 14937.4 SHP TOTAL = 119499.5
 NO FAN = 59.3 NO/SEG = 12.8 LIMIT/SEG = 9.3 VTIP = 590.7
 WIFAN = 23833.6 WTGB = 3038.1 WITS = 13951.6
 WT AIRU = 40823.4
 WT AIRI = 51029.2 WFUEL = 9560.0 WT TIP GEAR = 2253.
 WT MAIN GEAR = 49776. WT WING = 254706.
 WT SYS = 62439. WT STRUCT = 304492.
 TOTAL WEIGHT = 367321. DEL WT = 15938.

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 148.0
 LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 29693.186
 PJ = 323.666 QJ = 50457.089 A = 2.391

SHP/ENG = 20740.9 SHP TOTAL = 166086.8
 NO FAN = 59.2 NO/SEG = 12.8 LIMIT/SEG = 9.3 VTIP = 659.7
 WIFAN = 29662.7 WTGB = 3967.3 WTS = 19390.6
 WT AIRU = 52640.6
 WT AIRI = 65800.8 WFUEL = 13286.9 WT TIP GEAR = 2883.
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 81968. WT STRUCT = 296222.
 TOTAL WEIGHT = 378189. DEL WT = 26806.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 43169.101
 PJ = 416.529 OJ = 57001.997 A = 2.534

SHP/ENG = 30182.9 SHP TOTAL = 241463.2
 NO FAN = 58.9 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 748.3
 WIFAN = 38018.8 WTGB = 5518.5 WTS = 28190.0
 WT AIRU = 71720.2
 WT AIRI = 89650.2 WFUEL = 19317.1 WT TIP GEAR = 3903.
 WT MAIN GEAR = 61398. WT WING = 247000.
 WT SYS = 112867. WT STRUCT = 288394.
 TOTAL WEIGHT = 401262. DEL WT = 49879.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.099 H/W = .239 HP = 52224.064
 PJ = 461.822 OJ = 59813.607 A = 2.432

SHP/ENG = 35115.6 SHP TOTAL = 280928.9
 NO FAN = 58.7 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 788.0
 WIFAN = 42002.7 WTGB = 7358.0 WTS = 32798.2
 WT AIRU = 92158.7
 WT AIRI = 102498.4 WFUEL = 22474.0 WT TIP GEAR = 4503.
 WT MAIN GEAR = 386216. WT WING = 245000.
 WT SYS = 129672. WT STRUCT = 293048.
 TOTAL WEIGHT = 415518. DEL WT = 54179.

T = 6.0 INCHES T/W = .018182
 THETA = 30.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 3996.281
 PJ = 85.144 OJ = 25814.562 A = 2.378

SHP/ENG = 2799.1 SHP TOTAL = 22352.9
 NO FAN = 59.0 NO/SEG = 12.8 LIMIT/SEG = 9.3 VTIP = 538.5
 WIFAN = 7783.6 WTGB = 1459.8 WTS = 2609.7
 WT AIRU = 11853.1
 WT AIRI = 14415.4 WFUEL = 1788.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 278778.
 WT SYS = 17355. WT STRUCT = 334438.
 TOTAL WEIGHT = 351812. DEL WT = 429.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 11068.711
 PJ = 165.042 OJ = 36227.722 A = 2.415

SHP/ENG = 2739.0 SHP TOTAL = 61912.1
 NO FAN = 59.0 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 475.3
 WIFAN = 15345.8 WTGB = 2407.9 WTS = 7228.2

WT AIRU = 24981.9
 WT AIRI = 51227.8 WFUEL = 4953.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53088. WT WING = 265865.
 WT SYS = 37680. WT STRUCT = 318913.
 TOTAL WEIGHT = 356593. DEL WT = 5210.

FRACTION OF GW/SIDE = .5750 CUSH HT = 98.7 GEAR HT = 150.5
 LIFT = 112350.0 L/A = 63.047 M/W = .299 HP = 176186461
 PJ = 246.413 QJ = 43788.980 A = 2.480

SHP/ENG = 13716.8 SHP TOTAL = 109734.5
 NO FAN = 58.4 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 575.6
 WIFAN = 22461.4 WIGB = 2942.0 WITS = 12811.5

WT AIRU = 382143.4
 WT AIRI = 47768.6 WFUEL = 8778.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 49776. WT WING = 239706.
 WT SYS = 58797. WT STRUCT = 304492.
 TOTAL WEIGHT = 363279. DEL WT = 11896.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 80.700 M/W = .284 HP = 27148.551
 PJ = 306.489 QJ = 18718.598 A = 2.564

SHP/ENG = 15981.7 SHP TOTAL = 151853.6
 NO FAN = 59.7 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 641.9
 WIFAN = 27878.3 WIGB = 3342.7 WITS = 8778.8

WT AIRU = 48982.1
 WT AIRI = 51227.7 WFUEL = 12148.5 WT TIP GEAR = 2880.
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 76256. WT STRUCT = 296222.
 TOTAL WEIGHT = 372178. DEL WT = 21095.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 M/W = .258 HP = 39154.672
 PJ = 392.533 QJ = 54861.862 A = 2.737

SHP/ENG = 27375.1 SHP TOTAL = 219009.0
 NO FAN = 58.4 NO/SEG = 12.6 LIMIT/SEG = 9.3 VTIP = 726.4
 WIFAN = 35518.0 WIGB = 4742.5 WITS = 29569.3

WT AIRU = 65829.8
 WT AIRI = 82247.2 WFUEL = 17520.7 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 103708. WT STRUCT = 288394.
 TOTAL WEIGHT = 392182. DEL WT = 40114.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.094 M/W = .239 HP = 45288.471
 PJ = 433.719 QJ = 57430.426 A = 2.882

SHP/ENG = 31664.8 SHP TOTAL = 253318.0
 NO FAN = 58.2 NO/SEG = 12.5 LIMIT/SEG = 9.3 VTIP = 763.6
 WIFAN = 39082.9 WIGB = 5983.2 WITS = 29574.7

WT AIRU = 74641.0
 WT AIRI = 93301.2 WFUEL = 20265.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 118067. WT STRUCT = 285886.
 TOTAL WEIGHT = 403913. DEL WT = 52530.

T = 6.0 INCHES T/W = .018182
THETA = 45.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 3919.171
PJ = 84.380 QJ = 25595.658 A = 2.828
SHP/ENG = 2740.2 SHP TOTAL = 21921.6
NO FAN = 58.7 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 336.8
WIFAN = 7567.9 WTGB = 1001.2 WITS = 2669.3
WT AIRU = 11668.4
WT AIRI = 14585.5 WFUEL = 1753.7 WT TIP GEAR = 750.
WT MAIN GEAR = 5580. WT WING = 27877.8
WT SYS = 17009. WT STRUCT = 39418.5
TOTAL WEIGHT = 351547. DEL WT = 166.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 10829.779
PJ = 166.291 QJ = 35818.919 A = 2.878
SHP/ENG = 7572.0 SHP TOTAL = 60575.6
NO FAN = 58.6 NO/SEG = 12.7 LIMIT/SEG = 9.3 VTIP = 472.8
WIFAN = 15093.4 WTGB = 2383.6 WITS = 7072.2
WT AIRU = 24549.2
WT AIRI = 30645.5 WFUEL = 4846.1 WT TIP GEAR = 1500.
WT MAIN GEAR = 5304. WT WING = 26586.3
WT SYS = 37033. WT STRUCT = 31678.5
TOTAL WEIGHT = 355945. DEL WT = 4542.

FRACTION OF GW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
LIFT = 112350.0 L/A = 63.047 H/W = .284 HP = 26333.793
PJ = 243.254 QJ = 43231.307 A = 2.953
SHP/ENG = 13368.5 SHP TOTAL = 104988.4
NO FAN = 58.5 NO/SEG = 12.6 LIMIT/SEG = 9.3 VTIP = 571.9
WIFAN = 22032.7 WTGB = 2912.1 WITS = 12486.2
WT AIRU = 37432.1
WT AIRI = 46789.8 WFUEL = 8555.9 WT TIP GEAR = 2250.
WT MAIN GEAR = 49776. WT WING = 294706.
WT SYS = 57595. WT STRUCT = 304982.
TOTAL WEIGHT = 362776. DEL WT = 10693.

FRACTION OF GW/SIDE = .0980 CUSH HT = 93.8 GEAR HT = 140.0
LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 26333.793
PJ = 301.670 QJ = 48011.290 A = 2.639
SHP/ENG = 18412.0 SHP TOTAL = 147295.3
NO FAN = 59.3 NO/SEG = 12.6 LIMIT/SEG = 9.3 VTIP = 636.8
WIFAN = 27249.0 WTGB = 3322.1 WITS = 17194.4
WT AIRU = 47767.9
WT AIRI = 59709.9 WFUEL = 11763.7 WT TIP GEAR = 2880.
WT MAIN GEAR = 46522. WT WING = 289700.
WT SYS = 74374. WT STRUCT = 46222.
TOTAL WEIGHT = 370595. DEL WT = 19212.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
LIFT = 190440.0 L/A = 109.252 H/W = .258 HP = 37450.791

PJ = 384.305 QJ = 53894.117 A = 2.837
 SHP/ENG = 26324.6 SHP TOTAL = 210597.2
 NO FAN = 58.0 NO/SEG = 12.5 LIMIT/SEG = 9.3 VTIP = 718.8
 WIFAN = 34517.5 WIGB = 4497.0 WITS = 24587.2
 WT AIRU = 63601.7
 WT AIRI = 79502.1 WFUEL = 16847.8 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 29700.
 WT SYS = 100250. WT STRUCT = 288394.
 TOTAL WEIGHT = 388644. DEL WT = 37261.

FRACTION OF GW/SIDE = . CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 228700.0 L/A = 126.094 H/W = .239 HP = 43276.273

PJ = 429.015 QJ = 538267.373 A = 3.002
 SHP/ENG = 30257.9 SHP TOTAL = 242052.9
 NO FAN = 57.7 NO/SEG = 12.4 LIMIT/SEG = 9.3 VTIP = 754.1
 WIFAN = 37815.9 WIGB = 5516.1 WITS = 26260.8
 WT AIRU = 71592.9
 WT AIRI = 84491.1 WFUEL = 19365.0 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 113356. WT STRUCT = 285896.
 TOTAL WEIGHT = 399202. DEL WT = 47819.

T = 6.0 INCHES T/W = .018182

THETA = 60.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 9071.650

PJ = 86.919 QJ = 25793.856 A = 2.381
 SHP/ENG = 2816.8 SHP TOTAL = 2774.5
 NO FAN = 58.4 NO/SEG = 12.6 LIMIT/SEG = 9.3 VTIP = 738.2
 WIFAN = 7853.5 WIGB = 1471.1 WITS = 2658.7
 WT AIRU = 11983.5
 WT AIRI = 14979.4 WFUEL = 1822.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 278778.
 WT SYS = 17551. WT STRUCT = 334959.
 TOTAL WEIGHT = 352409. DEL WT = 620.

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 11220.815

PJ = 170.808 QJ = 36171.720 A = 2.427
 SHP/ENG = 7895.4 SHP TOTAL = 62762.7
 NO FAN = 58.3 NO/SEG = 12.6 LIMIT/SEG = 9.3 VTIP = 839.2
 WIFAN = 15430.4 WIGB = 2414.2 WITS = 7327.6
 WT AIRU = 2517.3
 WT AIRI = 31464.4 WFUEL = 3731.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 17048. WT WING = 240045.
 WT SYS = 37986. WT STRUCT = 119913.
 TOTAL WEIGHT = 256499. DEL WT = 5415.

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 154.5
 LIFT = 112450.0 L/A = 62.031 H/W = .312 HP = 19722.244

PJ = 249.143 QJ = 43571.720 A = 2.500
 SHP/ENG = 13789.4 SHP TOTAL = 109915.2
 NO FAN = 58.2 NO/SEG = 12.6 LIMIT/SEG = 9.3 VTIP = 578.7

WTFAN = 22456.1 WTGR = 2940.5 WITS = 12879.3
WT AIRU = 38275.9
WT AIRI = 47844.8 WFUEL = 8825.2 WT TIP GEAR = 2250.
WT MAIN GEAR = 49774. WT WING = 25070.
WT SYS = 58920. WT STRUCT = 304482.
TOTAL WEIGHT = 363402. DEL WT = 12019.

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
LIFT = 143808.0 L/A = 80.700 H/W = .288 HP = 27015.882
PJ = 307.909 OJ = 48256.219 A = 2.612
SHP/ENG = 18998.7 SHP TOTAL = 151109.3
NO FAN = 58.0 NO/SEG = 12.5 LIMIT/SEG = 9.3 VTIP = 488.3
WTFAN = 27669.7 WTGR = 3564.1 WITS = 12742.8
WT AIRU = 48677.8
WT AIRI = 43847.2 WFUEL = 12388.7 WT TIP GEAR = 3883.
WT MAIN GEAR = 46522. WT WING = 249700.
WT SYS = 75816. WT STRUCT = 296222.
TOTAL WEIGHT = 372038. DEL WT = 26655.

FRACTION OF SW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
LIFT = 194740.0 L/A = 109.282 H/W = .256 HP = 39245.821
PJ = 389.815 OJ = 53961.965 A = 2.828
SHP/ENG = 26770.7 SHP TOTAL = 213975.4
NO FAN = 57.7 NO/SEG = 12.4 LIMIT/SEG = 9.3 VTIP = 725.9
WTFAN = 34814.3 WTGR = 4504.2 WITS = 24975.8
WT AIRU = 49378.2
WT AIRI = 50467.8 WFUEL = 17114.0 WT TIP GEAR = 3903.
WT MAIN GEAR = 41394. WT WING = 247000.
WT SYS = 301482. WT STRUCT = 244394.
TOTAL WEIGHT = 589874. DEL WT = 25000.

FRACTION OF SW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 43649.798
PJ = 427.144 OJ = 56109.229 A = 3.008
SHP/ENG = 30519.0 SHP TOTAL = 244152.2
NO FAN = 57.8 NO/SEG = 12.3 LIMIT/SEG = 9.3 VTIP = 757.8
WTFAN = 37955.8 WTGR = 5590.8 WITS = 28508.8
WT AIRU = 72051.3
WT AIRI = 90064.1 WFUEL = 14532.2 WT TIP GEAR = 4503.
WT MAIN GEAR = 78621. WT WING = 287225.
WT SYS = 114096. WT STRUCT = 285846.
TOTAL WEIGHT = 399942. DEL WT = 48559.

T = 8.0 INCHES T/W = .024242
INCIA = 15.0 DEGREES 703 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.5 GEAR HT = 172.8
LIFT = 27450.0 L/A = 21.016 H/W = .319 HP = 3837.299
PJ = 56.443 OJ = 30746.284 A = 2.235
SHP/ENG = 2697.0 SHP TOTAL = 21463.7
NO FAN = 78.1 NO/SEG = 17.2 LIMIT/SEG = 2.3 VTIP = 303.8
WTFAN = 4324.0 WTGR = 1905.8 WITS = 2505.9
WT AIRU = 12375.7
WT AIRI = 15429.6 WFUEL = 1717.1 WT TIP GEAR = 746.

WT MAIN GEAR = 55880. WT WING = 279778.
WT SYS = 17937. WT STRUCT = 33458.
TOTAL WEIGHT = 352394. DEL WT = 1011.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
LIFT = 79900.0 L/A = 42.031 H/W = .312 HP = 10656.959
PJ = 135.730 QJ = 43183.846 A = 2.266
SHP/ENG = 7451.1 SHP TOTAL = 59609.0
NO FAN = 78.2 NO/SEG = 17.6 LIMIT/SEG = 9.3 VTIP = 827.2
WTFAN = 16839.9 WTGR = 2597.2 WTS = 6959.3
WT AIRU = 25946.4
WT AIRI = 32833.0 WFUEL = 1768.7 WT TIP GEAR = 1500.
WT MAIN GEAR = 53048. WT WING = 265665.
WT SYS = 38702. WT STRUCT = 318913.
TOTAL WEIGHT = 357618. DEL WT = 6231.

FRACTION OF GW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
LIFT = 812350.0 L/A = 63.047 H/W = .299 HP = 18974.500
PJ = 199.662 QJ = 52268.221 A = 2.320
SHP/ENG = 13265.6 SHP TOTAL = 106132.6
NO FAN = 78.1 NO/SEG = 17.5 LIMIT/SEG = 9.3 VTIP = 518.1
WTFAN = 24133.8 WTGR = 3090.6 WTS = 12391.0
WT AIRU = 39615.3
WT AIRI = 49519.2 WFUEL = 8490.6 WT TIP GEAR = 2258.
WT MAIN GEAR = 49776. WT WING = 254706.
WT SYS = 60260. WT STRUCT = 304482.
TOTAL WEIGHT = 364742. DEL WT = 13359.

FRACTION OF GW/SIDE = .1000 CUSH HT = 94.0 GEAR HT = 142.0
LIFT = 143808.0 L/A = 80.700 H/W = .259 HP = 26405.962
PJ = 249.324 QJ = 56230.662 A = 2.391
SHP/ENG = 18462.5 SHP TOTAL = 147700.0
NO FAN = 77.9 NO/SEG = 17.5 LIMIT/SEG = 9.3 VTIP = 579.0
WTFAN = 30255.4 WTGR = 3513.8 WTS = 17244.0
WT AIRU = 50813.2
WT AIRI = 63516.5 WFUEL = 11816.0 WT TIP GEAR = 2886.
WT MAIN GEAR = 46322. WT WING = 249700.
WT SYS = 78212. WT STRUCT = 296222.
TOTAL WEIGHT = 374434. DEL WT = 23051.

FRACTION OF GW/SIDE = .1300 CUSH HT = 89.1 GEAR HT = 112.0
LIFT = 198780.0 L/A = 109.282 H/W = .258 HP = 30492.243
PJ = 321.726 QJ = 65803.565 A = 2.536
SHP/ENG = 26913.0 SHP TOTAL = 215303.6
NO FAN = 77.4 NO/SEG = 17.4 LIMIT/SEG = 9.3 VTIP = 457.7
WTFAN = 38688.5 WTGR = 4877.9 WTS = 25136.7
WT AIRU = 59593.1
WT AIRI = 85741.9 WFUEL = 17229.3 WT TIP GEAR = 3900.
WT MAIN GEAR = 41394. WT WING = 247000.
WT SYS = 106453. WT STRUCT = 284374.
TOTAL WEIGHT = 393248. DEL WT = 93865.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0

LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 48881.723
 PJ = 357.512 QJ = 59086.520 A = 2.658
 SHP/ENG = 31380.4 SHP TOTAL = 251042.9
 NO FAN = 77.1 NO/SEG = 17.3 LIMIT/SEG = 9.3 VTIP = 493.3
 WTFAN = 42560.6 WTGB = 6217.5 WTS = 29309.3
 WT AIRU = 78187.4
 WT AIRI = 97734.2 WFUEL = 20083.4 WT TIP GEAR = 4600
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 122318. WT STRUCT = 285816.
 TOTAL WEIGHT = 408164. DEL WT = 56781.

T = 8.0 INCHES T/W = .029242

THETA = 30.0 DEGREES 30% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 3559.559
 PJ = 65.594 QJ = 29801.087 A = 2.378
 SHP/ENG = 2499.8 SHP TOTAL = 19910.2
 NO FAN = 77.6 NO/SEG = 17.4 LIMIT/SEG = 9.3 VTIP = 297.2
 WTFAN = 7892.9 WTGB = 1476.5 WTS = 2324.5
 WT AIRU = 11693.9
 WT AIRI = 14617.4 WFUEL = 1592.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 5680. WT WING = 278778.
 WT SYS = 16960. WT STRUCT = 334458.
 TOTAL WEIGHT = 351416. DEL WT = 44135.

FRACTION OF SW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 9865.714
 PJ = 129.749 QJ = 41421.956 A = 2.415
 SHP/ENG = 4697.9 SHP TOTAL = 35281.9
 NO FAN = 77.5 NO/SEG = 17.4 LIMIT/SEG = 9.3 VTIP = 417.8
 WTFAN = 15566.4 WTGB = 2848.5 WTS = 4442.4
 WT AIRU = 24473.5
 WT AIRI = 30591.9 WFUEL = 4414.7 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 245465.
 WT SYS = 36507. WT STRUCT = 318913.
 TOTAL WEIGHT = 355419. DEL WT = 4036.

FRACTION OF SW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 61.097 H/W = .299 HP = 17506.782
 PJ = 190.180 QJ = 50549.841 A = 2.480
 SHP/ENG = 12280.3 SHP TOTAL = 97922.8
 NO FAN = 77.3 NO/SEG = 17.3 LIMIT/SEG = 9.3 VTIP = 526.0
 WTFAN = 22797.3 WTGB = 3006.7 WTS = 11432.5
 WT AIRU = 37236.5
 WT AIRI = 5955.6 WFUEL = 7833.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 49775. WT WING = 254706.
 WT SYS = 56629. WT STRUCT = 304482.
 TOTAL WEIGHT = 361111. DEL WT = 9728.

FRACTION OF SW/SIDE = .0940 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 24263.423
 PJ = 237.290 QJ = 56238.755 A = 2.564
 SHP/ENG = 16964.5 SHP TOTAL = 135715.8

NO FAN = 77.0 NO/SEG = 17.3 LIMIT/SEG = 9.3 VTIP = 564.8

WTFAN = 28308.4 WTGB = 3368.7 WTS = 15844.8

WT AIRU = 47521.9

WT AIRI = 59402.4 WFUEL = 10857.3 WT TIP GEAR = 2883.

WT MAIN GEAR = 46522. WT WING = 249700.

WT SYS = 73140. WT STRUCT = 296222.

TOTAL WEIGHT = 369361. DEL WT = 17978.

FRACTION OF SW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0

LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 35103.675

PJ = 304.981 QJ = 63326.313 A = 2.737

SHP/ENG = 24943.8 SHP TOTAL = 196350.2

NO FAN = 76.5 NO/SEG = 17.3 LIMIT/SEG = 9.3 VTIP = 564.8

WTFAN = 36131.8 WTGB = 4354.2 WTS = 22923.9

WT AIRU = 53409.9

WT AIRI = 79262.4 WFUEL = 15708.0 WT TIP GEAR = 3903.

WT MAIN GEAR = 41394. WT WING = 247000.

WT SYS = 98870. WT STRUCT = 248394.

TOTAL WEIGHT = 387265. DEL WT = 35882.

FRACTION OF SW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0

LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 40708.921

PJ = 337.767 QJ = 46287.391 A = 2.482

SHP/ENG = 28462.5 SHP TOTAL = 223700.2

NO FAN = 76.1 NO/SEG = 17.0 LIMIT/SEG = 9.3 VTIP = 675.4

WTFAN = 39808.8 WTGB = 5267.9 WTS = 26584.2

WT AIRU = 71660.8

WT AIRI = 89576.0 WFUEL = 14216.0 WT TIP GEAR = 4503.

WT MAIN GEAR = 48421. WT WING = 247225.

WT SYS = 112292. WT STRUCT = 245844.

TOTAL WEIGHT = 398138. DEL WT = 46755.

T = 8.0 INCHES T/W = .024242

THETA = 45.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.0

LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 35046160

PJ = 65.357 QJ = 29488.618 A = 2.428

SHP/ENG = 2450.0 SHP TOTAL = 19600.3

NO FAN = 77.0 NO/SEG = 17.2 LIMIT/SEG = 9.3 VTIP = 296.9

WTFAN = 3790.1 WTGB = 1059.8 WTS = 2200.7

WT AIRU = 11538.2

WT AIRI = 14422.7 WFUEL = 1508.0 WT TIP GEAR = 750.

WT MAIN GEAR = 55680. WT WING = 278778.

WT SYS = 16741. WT STRUCT = 334458.

TOTAL WEIGHT = 351198. DEL WT = 185.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0

LIFT = 74400.0 L/A = 42.031 H/W = .312 HP = 9690.330

PJ = 128.901 QJ = 41346.945 A = 2.470

SHP/ENG = 6775.3 SHP TOTAL = 54202.2

NO FAN = 76.9 NO/SEG = 17.2 LIMIT/SEG = 9.3 VTIP = 414.3

WTFAN = 15339.5 WTGB = 2441.4 WTS = 6328.1

WT AIRU = 24109.0

WT AIRI = 30136.3 WFUEL = 4336.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 53088. WT WING = 265865.
WT SYS = 35972. WT STRUCT = 319913.
TOTAL WEIGHT = 354985. DEL WT = 3502.

FRACTION OF GW/SIDE = .0750 CUSH HT = 93.7 GEAR HT = 154.5
LIFT = 812350.0 L/A = 63.047 M/W = .299 HP = 17131.281
PJ = 188.814 QJ = 19901.973 A = 2.543
SHP/ENG = 31977.8 SHP TOTAL = 95822.7
NO FAN = 76.6 NO/SEG = 17.2 LIMIT/SEG = 9.3 VTIP = 503.8
JTFAN = 22406.6 WTGB = 2980.7 WTS = 11187.3

WT AIRU = 34574.5
WT AIRI = 95719.2 WFUEL = 7685.8 WT TIP GEAR = 2200.
WT MAIN GEAR = 19776. WT WING = 254706.
WT SYS = 55634. WT STRUCT = 301882.
TOTAL WEIGHT = 360116. DEL WT = 8733.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.8
LIFT = 143808.0 L/A = 80.700 M/W = .284 HP = 23635.153
PJ = 234.571 QJ = 55817.886 A = 2.639
SHP/ENG = 16525.2 SHP TOTAL = 132201.6
NO FAN = 76.4 NO/SEG = 17.1 LIMIT/SEG = 9.3 VTIP = 561.6
JTFAN = 27734.7 WTGB = 3325.6 WTS = 15434.5

WT AIRU = 96494.9
WT AIRI = 58119.6 WFUEL = 10576.1 WT TIP GEAR = 2800.
WT MAIN GEAR = 16522. WT WING = 289700.
WT SYS = 71575. WT STRUCT = 296222.
TOTAL WEIGHT = 357796. DEL WT = 5613.

FRACTION OF GW/SIDE = .1500 CUSH HT = 93.1 GEAR HT = 112.0
LIFT = 199740.0 L/A = 109.282 M/W = .258 HP = 33912.294
PJ = 299.410 QJ = 62191.211 A = 2.837
SHP/ENG = 23710.8 SHP TOTAL = 189696.1
NO FAN = 75.4 NO/SEG = 16.9 LIMIT/SEG = 9.3 VTIP = 635.0
JTFAN = 35193.7 WTGB = 4194.0 WTS = 22145.9
WT AIRU = 61533.5
WT AIRI = 76914.9 WFUEL = 15174.9 WT TIP GEAR = 3900.
WT MAIN GEAR = 41394. WT WING = 247000.
WT SYS = 95992. WT STRUCT = 288394.
TOTAL WEIGHT = 388384. DEL WT = 33003.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
LIFT = 224700.0 L/A = 126.094 M/W = .239 HP = 39093.489
PJ = 331.111 QJ = 54937.130 A = 3.001
SHP/ENG = 27373.4 SHP TOTAL = 218656.2
NO FAN = 75.3 NO/SEG = 16.8 LIMIT/SEG = 9.3 VTIP = 667.2
JTFAN = 38511.5 WTGB = 4956.9 WTS = 25529.3
WT AIRU = 69048.0
WT AIRI = 85372.5 WFUEL = 17493.3 WT TIP GEAR = 4500.
WT MAIN GEAR = 38521. WT WING = 247225.
WT SYS = 108365. WT STRUCT = 245894.
TOTAL WEIGHT = 392212. DEL WT = 42829.

T = 8.0 INCHES T/W = .029292
 THETA = 60.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 M/W = .319 HP = 3651.052
 PJ = 67.445 QJ = 29773.382 A = 2.381
 SHP/ENG = 2552.7 SHP TOTAL = 20421.9
 NO FAN = 76.5 NO/SEG = 17.1 LIMIT/SEG = 9.3 VTIP = 301.1
 JTFAN = 7990.0 WTGB = 1492.3 WITS = 2384.3
 WT AIRU = 11866.5
 WT AIRI = 14833.1 WFUEL = 1633.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 278778.
 WT SYS = 17217. WT STRUCT = 11858.
 TOTAL WEIGHT = 351674. DEL WT = 291.2

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 M/W = .312 HP = 10070.012
 PJ = 132.800 QJ = 11725.468 A = 2.427
 SHP/ENG = 7090.7 SHP TOTAL = 56325.9
 NO FAN = 76.4 NO/SEG = 17.1 LIMIT/SEG = 9.3 VTIP = 422.5
 JTFAN = 15704.8 WTGB = 2975.7 WITS = 6576.1
 WT AIRU = 24756.6
 WT AIRI = 30945.7 WFUEL = 4506.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 265865.
 WT SYS = 36952. WT STRUCT = 510913.
 TOTAL WEIGHT = 355864. DEL WT = 4481.

FRACTION OF GW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 63.047 M/W = .299 HP = 17725.019
 PJ = 193.994 QJ = 58252.748 A = 2.501
 SHP/ENG = 12393.0 SHP TOTAL = 99193.7
 NO FAN = 76.1 NO/SEG = 17.0 LIMIT/SEG = 9.3 VTIP = 510.7
 JTFAN = 22871.5 WTGB = 5008.2 WITS = 11575.0
 WT AIRU = 37454.8
 WT AIRI = 46815.5 WFUEL = 7931.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 49776. WT WING = 254706.
 WT SYS = 57000. WT STRUCT = 304482.
 TOTAL WEIGHT = 361982. DEL WT = 10099.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 74.0700 M/W = .288 HP = 24512.0
 PJ = 240.213 QJ = 55696.105 A = 2.612
 SHP/ENG = 17007.8 SHP TOTAL = 136052.1
 NO FAN = 75.8 NO/SEG = 17.0 LIMIT/SEG = 9.3 VTIP = 568.3
 JTFAN = 25207.4 WTGB = 5361.9 WITS = 15985.3
 WT AIRU = 47454.5
 WT AIRI = 59314.1 WFUEL = 10885.0 WT TIP GEAR = 2680.
 WT MAIN GEAR = 46522. WT WING = 249700.
 WT SYS = 73083. WT STRUCT = 296222.
 TOTAL WEIGHT = 364305. DEL WT = 17922.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 M/W = .258 HP = 30569.970
 PJ = 305.312 QJ = 62275.528 A = 2.828

SHP/ENG = 24170.6 SHP TOTAL = 193364.8
 NO FAN = 75.2 NO/SEG = 16.8 LIMIT/SEG = 9.3 VTIP = 640.7
 W/FAN = 35557.4 WTGB = 4270.5 WTS = 22575.3
 WT AIRU = 62403.2
 WT AIRI = 78004.0 WFUEL = 15464.2 WT TIP GEAR = 3900.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 97373. WT STRUCT = 284394.
 TOTAL WEIGHT = 385768. DEL WT = 34385.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.094 H/W = .239 HP = 39579.971
 PJ = 335.673 QJ = 58851.835 A = 1.008
 SHP/ENG = 27675.5 SHP TOTAL = 221387.4
 NO FAN = 74.7 NO/SEG = 16.7 LIMIT/SEG = 9.3 VTIP = 671.8
 W/FAN = 38825.8 WTGB = 5036.8 WTS = 25447.0
 WT AIRU = 69709.2
 WT AIRI = 97136.5 WFUEL = 17711.0 WT TIP GEAR = 4500.
 WT MAIN GEAR = 78421. WT WING = 247225.
 WT SYS = 109348. WT STRUCT = 285946.
 TOTAL WEIGHT = 395194. DEL WT = 43811.

T = 10.0 INCHES T/W = .030303
 THETA = 15.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 3514.002
 PJ = 56.235 QJ = 34368.078 A = 2.235
 SHP/ENG = 2456.9 SHP TOTAL = 19655.3
 NO FAN = 96.7 NO/SEG = 22.2 LIMIT/SEG = 9.3 VTIP = 275.0
 W/FAN = 8421.7 WTGB = 1542.3 WTS = 12299.4
 WT AIRU = 12278.7
 WT AIRI = 15348.4 WFUEL = 1572.4 WT TIP GEAR = 751.
 WT MAIN GEAR = 55680. WT WING = 278778.
 WT SYS = 17671. WT STRUCT = 334458.
 TOTAL WEIGHT = 352528. DEL WT = 745.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 9764.574
 PJ = 114.259 QJ = 48270.241 A = 2.266
 SHP/ENG = 4827.2 SHP TOTAL = 58617.5
 NO FAN = 96.6 NO/SEG = 22.1 LIMIT/SEG = 9.3 VTIP = 340.0
 W/FAN = 16637.5 WTGB = 2599.5 WTS = 6378.8
 WT AIRU = 25613.6
 WT AIRI = 32017.0 WFUEL = 4364.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 255665.
 WT SYS = 37885. WT STRUCT = 318911.
 TOTAL WEIGHT = 356799. DEL WT = 5416.

FRACTION OF GW/SIDE = .0750 CUSH HT = 96.7 GEAR HT = 154.5
 LIFT = 112350.0 L/A = 63.047 H/W = .299 HP = 17402.665
 PJ = 163.929 QJ = 58423.522 A = 2.320
 SHP/ENG = 12167.6 SHP TOTAL = 97340.6
 NO FAN = 96.3 NO/SEG = 22.1 LIMIT/SEG = 9.3 VTIP = 460.3
 W/FAN = 24435.6 WTGB = 3195.5 WTS = 11348.9

WT AIRU = 38955.6
 WT AIRI = 88694.5 WFUEL = 7787.3 WT TIP GEAR = 2259.
 WT MAIN GEAR = 99776. WT WING = 259706.
 WT SYS = 58732. WT STRUCT = 304982.
 TOTAL WEIGHT = 363214. DEL WT = 11831.

FRACTION OF BW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143808.0 L/A = 80.700 M/W = .284 HP = 24249.513
 PJ = 204.895 QJ = 65108.799 A = 2.391
 SHP/ENG = 16958.8 SHP TOTAL = 235638.0
 NO FAN = 96.0 NO/SEG = 22.0 LIMIT/SEG = 9.3 VTIP = 524.8
 WIFAN = 30450.4 WTGB = 3520.9 WITS = 15835.7

WT AIRU = 99807.0
 WT AIRI = 62258.8 WFUEL = 10851.0 WT TIP GEAR = 2889.
 WT MAIN GEAR = 96522. WT WING = 249700.
 WT SYS = 75990. WT STRUCT = 296222.
 TOTAL WEIGHT = 372212. DEL WT = 20829.

FRACTION OF BW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 M/W = .258 HP = 35841.566

PJ = 265.040 QJ = 73546.754 A = 2.536
 SHP/ENG = 24740.0 SHP TOTAL = 198240.0
 NO FAN = 95.3 NO/SEG = 21.8 LIMIT/SEG = 9.3 VTIP = 596.9
 WIFAN = 39125.5 WTGB = 4583.7 WITS = 23144.8

WT AIRU = 66853.7
 WT AIRI = 83567.1 WFUEL = 15859.2 WT TIP GEAR = 3909.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 103326. WT STRUCT = 288304.
 TOTAL WEIGHT = 391721. DEL WT = 40338.

FRACTION OF BW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 95.0
 LIFT = 224700.0 L/A = 126.094 M/W = .234 HP = 41414.385

PJ = 295.175 QJ = 77167.378 A = 2.658
 SHP/ENG = 28966.1 SHP TOTAL = 231648.6
 NO FAN = 94.8 NO/SEG = 21.7 LIMIT/SEG = 9.3 VTIP = 620.9
 WIFAN = 43322.5 WTGB = 5644.4 WITS = 27045.0

WT AIRU = 76011.9
 WT AIRI = 95014.9 WFUEL = 18531.9 WT TIP GEAR = 4509.
 WT MAIN GEAR = 78621. WT WING = 247225.
 WT SYS = 118047. WT STRUCT = 285846.
 TOTAL WEIGHT = 440589. DEL WT = 52514.

T = 10.0 INCHES T/W = .030303
 THETA = 30.0 DEGREES 30% SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 105.5 GEAR HT = 172.0
 LIFT = 37450.0 L/A = 2.016 M/W = .319 HP = 3274.031

PJ = 54.062 QJ = 33308.600 A = 2.378
 SHP/ENG = 2289.1 SHP TOTAL = 18313.1
 NO FAN = 95.6 NO/SEG = 21.9 LIMIT/SEG = 9.3 VTIP = 269.6
 WIFAN = 3002.8 WTGB = 1494.4 WITS = 2138.1

WT AIRU = 11635.2
 WT AIRI = 14544.0 WFUEL = 1465.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 278778.

WT SYS = 16759. WT STRUCT = 354438.
TOTAL WEIGHT = 351217. DEL WT = -166.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
LIFT = 71900.0 L/A = 42.031 M/W = .312 HP = 9080.340
PJ = 105.992 QJ = 86793.565 A = 2.415
SHP/ENG = 6398.8 SHP TOTAL = 50790.3
NO FAN = 95.4 NO/SEG = 21.9 LIMIT/SEG = 9.3 VTIP = 379.0
WTFAN = 15788.2 WTGB = 2515.4 WITS = 5829.8
WT AIRU = 24233.9
WT AIRI = 30292.4 WFUEL = 4063.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 5308. WT WING = 245865.
WT SYS = 35896. WT STRUCT = 319700.
TOTAL WEIGHT = 359768. DEL WT = 3385.

FRACTION OF GW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 150.5
LIFT = 112350.0 L/A = 63.047 M/W = .299 HP = 16131.693
PJ = 157.043 QJ = 56476.887 A = 2.488
SHP/ENG = 11278.9 SHP TOTAL = 90231.5
NO FAN = 95.1 NO/SEG = 21.8 LIMIT/SEG = 9.3 VTIP = 459.5
WTFAN = 23135.2 WTGB = 3076.3 WITS = 10534.5
WT AIRU = 36746.0
WT AIRI = 35932.5 WFUEL = 7219.5 WT TIP GEAR = 2250.
WT MAIN GEAR = 49776. WT WING = 258706.
WT SYS = 55401. WT STRUCT = 304492.
TOTAL WEIGHT = 359883. DEL WT = 8500.

FRACTION OF GW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
LIFT = 143800.0 L/A = 80.700 M/W = .288 HP = 22288.127
PJ = 195.937 QJ = 62853.075 A = 2.581
SHP/ENG = 15651.6 SHP TOTAL = 125288.1
NO FAN = 94.8 NO/SEG = 21.7 LIMIT/SEG = 9.3 VTIP = 513.2
WTFAN = 28749.1 WTGB = 3404.9 WITS = 14522.3
WT AIRU = 46776.4
WT AIRI = 58470.5 WFUEL = 10019.6 WT TIP GEAR = 2880.
WT MAIN GEAR = 46522. WT WING = 249700.
WT SYS = 71370. WT STRUCT = 296222.
TOTAL WEIGHT = 367592. DEL WT = 15209.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 118.0
LIFT = 194740.0 L/A = 809.282 M/W = .258 HP = 32495.172
PJ = 252.546 QJ = 70768.540 A = 2.737
SHP/ENG = 22759.9 SHP TOTAL = 181759.6
NO FAN = 94.0 NO/SEG = 21.5 LIMIT/SEG = 9.3 VTIP = 582.7
WTFAN = 36749.5 WTGB = 4194.0 WITS = 21220.9
WT AIRU = 62163.9
WT AIRI = 77704.9 WFUEL = 14540.8 WT TIP GEAR = 3900.
WT MAIN GEAR = 41494. WT WING = 247000.
WT SYS = 96146. WT STRUCT = 286390.
TOTAL WEIGHT = 384540. DEL WT = 33157.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
LIFT = 224700.0 L/A = 126.094 M/W = .239 HP = 37779.462

PJ = 280.519 QJ = 74072.280 A = 2.882
 SHP/ENG = 26018.6 SHP TOTAL = 211316.9
 NO FAN = 93.3 NO/SEG = 21.3 LIMIT/SEG = 9.3 VTIP = 614.1
 WTFAN = 40539.4 WTGB = 4929.4 WITS = 24671.2
 WT AIRU = 70140.0
 WT AIRI = 97675.1 WFUEL = 16905.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38621. WT WING = 247225.
 WT SYS = 109080. WT STRUCT = 285846.
 TOTAL WEIGHT = 394926. DEL WT = 43543.

T = 10.0 INCHES T/W = .030303
 THETA = 45.0 DEGREES 308 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 M/W = .319 HP = 3235.143
 PJ = 53.990 QJ = 32956.474 A = 2.428
 SHP/ENG = 2241.9 SHP TOTAL = 18095.6
 NO FAN = 94.7 NO/SEG = 21.7 LIMIT/SEG = 9.3 VTIP = 269.4
 WTFAN = 7913.0 WTGB = 1479.6 WITS = 2112.7
 WT AIRU = 11505.2
 WT AIRI = 14381.6 WFUEL = 1447.0 WT TIP GEAR = 753.
 WT MAIN GEAR = 5680. WT WING = 274778.
 WT SYS = 16579. WT STRUCT = 334454.
 TOTAL WEIGHT = 351637. DEL WT = -345.

FRACTION OF SW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 M/W = .312 HP = 8953.059
 PJ = 106.565 QJ = 46208.460 A = 2.470
 SHP/ENG = 6259.8 SHP TOTAL = 50074.3
 NO FAN = 94.5 NO/SEG = 21.6 LIMIT/SEG = 9.3 VTIP = 384.5
 WTFAN = 19587.2 WTGB = 2494.4 WITS = 5846.6
 WT AIRU = 23928.2
 WT AIRI = 29910.2 WFUEL = 4006.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53048. WT WING = 255865.
 WT SYS = 35417. WT STRUCT = 318923.
 TOTAL WEIGHT = 354329. DEL WT = 2985.

FRACTION OF SW/SIDE = .0750 CUSH HT = 98.7 GEAR HT = 154.3
 LIFT = 112350.0 L/A = 63.047 M/W = .299 HP = 15848.448
 PJ = 156.303 QJ = 55767.483 A = 2.543
 SHP/ENG = 11080.9 SHP TOTAL = 88647.2
 NO FAN = 94.1 NO/SEG = 21.5 LIMIT/SEG = 9.3 VTIP = 458.4
 WTFAN = 22782.7 WTGB = 7052.3 WITS = 10349.6
 WT AIRU = 36144.5
 WT AIRI = 45230.7 WFUEL = 7041.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 59775. WT WING = 258705.
 WT SYS = 54572. WT STRUCT = 504442.
 TOTAL WEIGHT = 359054. DEL WT = 7671.

FRACTION OF SW/SIDE = .0960 CUSH HT = 93.8 GEAR HT = 140.0
 LIFT = 143408.0 L/A = 80.700 M/W = .284 HP = 21902.351
 PJ = 144.520 QJ = 61928.414 A = 2.639
 SHP/ENG = 15313.7 SHP TOTAL = 122509.3
 NO FAN = 93.7 NO/SEG = 21.4 LIMIT/SEG = 9.3 VTIP = 591.4

WTFAN = 28223.6 WTGR = 3370.4 WTS = 14303.2
 WT AIRU = 45896.9
 WT AIRI = 57371.1 WFUEL = 9800.7 WT TIP GEAR = 2880.
 WT MAIN GEAR = 46522. WT WING = 289700.
 WT SYS = 70052. WT STRUCT = 296222.
 TOTAL WEIGHT = 366274. DEL WT = 14891.

FRACTION OF GW/SIDE = .1300 CUSH HT = 85.1 GEAR HT = 112.0
 LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 31538.902
 PJ = 249.590 QJ = 69490.852 A = 2.837
 SHP/ENG = 22048.5 SHP TOTAL = 176388.3
 NO FAN = 92.8 NO/SEG = 21.2 LIMIT/SEG = 9.3 VTIP = 579.3
 WTFAN = 35070.1 WTGB = 4079.2 WTS = 20591.5
 WT AIRU = 60546.7
 WT AIRI = 75683.3 WFUEL = 14111.1 WT TIP GEAR = 3908.
 WT MAIN GEAR = 41394. WT WING = 247000.
 WT SYS = 93694. WT STRUCT = 288394.
 TOTAL WEIGHT = 362089. DEL WT = 10704.

FRACTION OF GW/SIDE = .1500 CUSH HT = 79.0 GEAR HT = 93.0
 LIFT = 224700.0 L/A = 126.099 H/W = .239 HP = 36456.576
 PJ = 276.367 QJ = 72552.362 A = 3.001
 SHP/ENG = 25429.7 SHP TOTAL = 333917.4
 NO FAN = 92.1 NO/SEG = 21.0 LIMIT/SEG = 9.3 VTIP = 600.5
 WTFAN = 39412.6 WTGB = 4704.0 WTS = 23807.4
 WT AIRU = 57924.0
 WT AIRI = 84904.9 WFUEL = 16313.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 78621. WT WING = 247225.
 WT SYS = 105718. WT STRUCT = 245850.
 TOTAL WEIGHT = 391364. DEL WT = 14010.

T = 10.0 INCHES T/W = .030303
 THETA = 60.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 105.3 GEAR HT = 172.8
 LIFT = 37450.0 L/A = 21.016 H/W = .319 HP = 3380.349
 PJ = 55.876 QJ = 33272.248 A = 2.361
 SHP/ENG = 2363.5 SHP TOTAL = 18907.8
 NO FAN = 93.9 NO/SEG = 21.5 LIMIT/SEG = 9.3 VTIP = 274.1
 WTFAN = 8127.2 WTGB = 1514.6 WTS = 2207.5
 WT AIRU = 11849.4
 WT AIRI = 14811.7 WFUEL = 1512.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 55680. WT WING = 278778.
 WT SYS = 17074. WT STRUCT = 334458.
 TOTAL WEIGHT = 351532. DEL WT = 149.

FRACTION OF GW/SIDE = .0500 CUSH HT = 102.8 GEAR HT = 166.0
 LIFT = 74900.0 L/A = 42.031 H/W = .312 HP = 9330.905
 PJ = 110.116 QJ = 46635.507 A = 2.427
 SHP/ENG = 6524.0 SHP TOTAL = 52191.8
 NO FAN = 93.7 NO/SEG = 21.8 LIMIT/SEG = 9.3 VTIP = 388.8
 WTFAN = 15980.9 WTGB = 2532.2 WTS = 6093.4
 WT AIRU = 24606.5
 WT AIRI = 30758.1 WFUEL = 8175.3 WT TIP GEAR = 1508.

WT MAIN GEAR = 53048. WT WING = 265965.
WT SYS = 36433. WT STRUCT = 418913.
TOTAL WEIGHT = 355346. DEL WT = 3963.

FRACTION OF GW/SIDE = .0750 CUSH WT = 98.7 GEAR HT = 154.5
LIFT = 112350.0 L/A = 63.047 H/W = .299 HP = 164974.50
PJ = 161.090 QJ = 56154.801 A = 2.507
SHP/ENG = 11499.5 SHP TOTAL = 91996.2
NO FAN = 93.4 NO/SEG = 21.3 LIMIT/SEG = 9.3 VTIP = 465.4
WTFAN = 23289.5 WTGB = 3080.6 WTS = 10740.6
WT AIRU = 37110.6
WT AIRI = 46382.3 WFUEL = 7359.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 47776. WT WING = 254706.
WT SYS = 55995. WT STRUCT = 304482.
TOTAL WEIGHT = 362880. DEL WT = 9097.

FRACTION OF GW/SIDE = .0960 CUSH WT = 93.8 GEAR HT = 140.0
LIFT = 143808.0 L/A = 80.700 H/W = .284 HP = 22618.071
PJ = 199.846 QJ = 62233.987 A = 2.612
SHP/ENG = 15820.6 SHP TOTAL = 126484.7
NO FAN = 92.9 NO/SEG = 21.2 LIMIT/SEG = 9.3 VTIP = 518.3
WTFAN = 28748.5 WTGB = 3403.0 WTS = 14767.1
WT AIRU = 44918.6
WT AIRI = 58648.2 WFUEL = 10118.8 WT TIP GEAR = 2880.
WT MAIN GEAR = 46522. WT WING = 249700.
WT SYS = 71697. WT STRUCT = 296222.
TOTAL WEIGHT = 367869. DEL WT = 16486.

FRACTION OF GW/SIDE = .1100 CUSH WT = 89.0 GEAR HT = 125.0
LIFT = 194740.0 L/A = 109.282 H/W = .258 HP = 32256.945
PJ = 259.987 QJ = 69577.271 A = 2.828
SHP/ENG = 22553.4 SHP TOTAL = 180427.0
NO FAN = 92.0 NO/SEG = 21.0 LIMIT/SEG = 9.3 VTIP = 585.5
WTFAN = 36305.0 WTGB = 4150.1 WTS = 21064.7
WT AIRU = 61519.9
WT AIRI = 76899.9 WFUEL = 14434.2 WT TIP GEAR = 3900.
WT MAIN GEAR = 41394. WT WING = 297000.
WT SYS = 95234. WT STRUCT = 288394.
TOTAL WEIGHT = 383628. DEL WT = 32245.

FRACTION OF GW/SIDE = .1500 CUSH WT = 79.0 GEAR HT = 93.0
LIFT = 224700.0 L/A = 126.099 H/W = .239 HP = 3745.021
PJ = 281.237 QJ = 72447.731 A = 3.008
SHP/ENG = 25901.4 SHP TOTAL = 207211.1
NO FAN = 91.2 NO/SEG = 20.8 LIMIT/SEG = 9.3 VTIP = 619.7
WTFAN = 39701.0 WTGB = 4747.1 WTS = 24141.0
WT AIRU = 64679.9
WT AIRI = 95849.9 WFUEL = 14576.9 WT TIP GEAR = 4500.
WT MAIN GEAR = 38421. WT WING = 247225.
WT SYS = 106927. WT STRUCT = 285446.
TOTAL WEIGHT = 392773. DEL WT = 41300.

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35LT.L 1.240

ELT077 RL1870 10/17-13:32:12-40.)

000001	000	1498000.	2376.	3.142	330.		
000002	000	060508060680			ADR SEMISPAN		
000003	000	.025	.050	.075	.10	.112	.15
000004	000	114.7	112.0	108.0	102.7	99.5	88.0
000005	000	2.	5.	6.	8.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	.075	.10	.112	.15
000008	000	173.4	147.5	148.1	145.5	138.2	109.2
000009	000	.025	.050	.075	.10	.112	.15
000010	000	28032.	268863.	258000.	249291.	247500.	247576.

END ELT

TASK UNITS: 0 PSM SIZE: 6144

9X01

GW = 1498000.000 LBS CUSHION AREA = 2376.0 SQUARE FEET
SWEEP = 40.0 DEGREES L/W = 3.142 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061

THETA = 15.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 114.7 GEAR MT = 173.4

LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 64296190

PJ = 209.119 QJ = 16909.260 A = 2.245

SHP/ENG = 4495.2 SHP TOTAL = 35961.2

NO FAN = 24.7 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 530.2

WT FAN = 7990.3 WTGB = 1501.3 WTTIS = 4198.5

WT AIRU = 13690.0

WT AIRI = 17112.3 WFUEL = 2876.7 WT TIP GEAR = 75.4

WT MAIN GEAR = 55791. WT WING = 240328.

WT SYS = 20739. WT STRUCT = 336119.

TOTAL WEIGHT = 356858. DEL WT = 5475.

FRACTION OF GW/SIDE = .0500 CUSH MT = 112.9 GEAR MT = 167.5

LIFT = 84900.0 L/A = 31.924 H/W = .339 HP = 176256560

PJ = 412.790 QJ = 23750.713 A = 2.276

SHP/ENG = 12463.3 SHP TOTAL = 99706.1

NO FAN = 24.7 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 745.0

WT FAN = 15748.2 WTGB = 2382.1 WTTIS = 11490.7

WT AIRU = 29790.7

WT AIRI = 37238.6 WFUEL = 7976.5 WT TIP GEAR = 1500.

WT MAIN GEAR = 53309. WT WING = 268843.

WT SYS = 46715. WT STRUCT = 322172.

TOTAL WEIGHT = 368987. DEL WT = 17504.

FRACTION OF GW/SIDE = .0750 CUSH MT = 108.9 GEAR MT = 158.4

LIFT = 412350.0 L/A = 47.285 H/W = .327 HP = 31754.013

PJ = 605.765 QJ = 29783.321 A = 2.325

SHP/ENG = 22201.7 SHP TOTAL = 177613.9

NO FAN = 24.7 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 903.2

WT FAN = 23168.1 WTGB = 3271.6 WTTIS = 20736.4

WT AIRU = 47176.2

WT AIRI = 58970.2 WFUEL = 14209.1 WT TIP GEAR = 2250.

WT MAIN GEAR = 50397. WT WING = 258000.

WT SYS = 75429. WT STRUCT = 308397.

TOTAL WEIGHT = 383826. DEL WT = 32443.

FRACTION OF GW/SIDE = .1000 CUSH MT = 102.7 GEAR MT = 145.5

LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 46813.274

PJ = 786.277 QJ = 32745.847 A = 2.395

SHP/ENG = 32770.9 SHP TOTAL = 261445.9

NO FAN = 24.6 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 1024.7

WT FAN = 30004.3 WTGB = 4433.2 WTTIS = 30570.5

WT AIRU = 66008.2

WT AIRI = 42510.3 WFUEL = 20947.8 WT TIP GEAR = 3000.

WT MAIN GEAR = 47093. WT WING = 249291.

WT SYS = 106459. WT STRUCT = 296334.

TOTAL WEIGHT = 402042. DEL WT = 51440.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 53970.920
 PJ = 864.731 QJ = 34327.112 A = 2.441
 SHP/ENG = 32735.0 SHP TOTAL = 331879.9
 NO FAN = 24.6 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 1078.2
 WIFAN = 32985.1 WTGB = 7226.0 WITS = 35244.5
 WT AIRU = 75455.6
 WT AIRI = 94319.5 WFUEL = 24150.4 WT TIP GEAR = 3362.4
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 121830. WT STRUCT = 244927.
 TOTAL WEIGHT = 414757. DEL WT = 53374.

FRACTION OF GW/SIDE = .1500 CUSH HT = 98.0 GEAR HT = 124.0
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 74863.811
 PJ = 1076.920 QJ = 38284.358 A = 2.633
 SHP/ENG = 52357.2 SHP TOTAL = 418857.6
 NO FAN = 24.6 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1203.3
 WIFAN = 41010.9 WTGB = 5864.9 WITS = 48901.6
 WT AIRU = 106377.4
 WT AIRI = 132971.8 WFUEL = 33508.6 WT TIP GEAR = 4502.
 WT MAIN GEAR = 80153. WT WING = 287574.
 WT SYS = 170980. WT STRUCT = 287729.
 TOTAL WEIGHT = 458709. DEL WT = 107325.

T = 26.0 INCHES T/W = .006061
 INETA = 30.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 58761.947
 PJ = 197.244 QJ = 16387.493 A = 2.338
 SHP/ENG = 9109.1 SHP TOTAL = 12872.4
 NO FAN = 24.6 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 515.0
 WIFAN = 7520.6 WTGB = 1429.5 WITS = 3537.9
 WT AIRU = 12788.0
 WT AIRI = 15945.0 WFUEL = 2629.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 280328.
 WT SYS = 19365. WT STRUCT = 336119.
 TOTAL WEIGHT = 355889. DEL WT = 8101.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 38256.704
 PJ = 388.760 QJ = 22999.262 A = 2.427
 SHP/ENG = 11366.3 SHP TOTAL = 90930.8
 NO FAN = 24.6 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 722.9
 WIFAN = 14516.2 WTGB = 2294.7 WITS = 10516.2
 WT AIRU = 27729.0
 WT AIRI = 34661.3 WFUEL = 7274.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268263.
 WT SYS = 83036. WT STRUCT = 322172.
 TOTAL WEIGHT = 365608. DEL WT = 24225.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.9 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 26857.749
 PJ = 570.136 QJ = 27838.540 A = 2.485

SHP/ENG = 20176.7 SHP TOTAL = 141413.9
 NO FAN = 24.6 NO/SEG = 4.2 LIMIT/SEG = 12.3 VTIP = 875.5
 WIFAN = 21720.8 WTGB = 3034.8 WTS = 18845.1
 WT AIRU = 43600.7
 WT AIRI = 54500.9 WFUEL = 12013.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 250000.
 WT SYS = 69664. WT STRUCT = 304307.
 TOTAL WEIGHT = 378061. DEL WT = 26678.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 147800.0 L/A = 63.047 H/W = .311 HP = 423396796
 PJ = 736.509 QJ = 31617.930 A = 2.569

SHP/ENG = 29603.1 SHP TOTAL = 236824.8
 NO FAN = 24.6 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 995.1
 WIFAN = 28039.0 WTGB = 8589.3 WTS = 27589.3
 WT AIRU = 60277.6
 WT AIRI = 75347.0 WFUEL = 18946.0 WT TIP GEAR = 3000.
 WT MAIN GEAR = 17097. WT WING = 299291.
 WT SYS = 97293. WT STRUCT = 296384.
 TOTAL WEIGHT = 393577. DEL WT = 42294.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 157776.0 L/A = 70.613 H/W = .302 HP = 44667.775

PJ = 808.431 QJ = 33110.145 A = 2.623
 SHP/ENG = 34027.5 SHP TOTAL = 272219.9
 NO FAN = 24.6 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1042.5
 WIFAN = 30762.6 WTGB = 5839.3 WTS = 31781.7
 WT AIRU = 68383.6
 WT AIRI = 95479.4 WFUEL = 21777.6 WT TIP GEAR = 3340.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 110617. WT STRUCT = 292927.
 TOTAL WEIGHT = 403544. DEL WT = 52101.

FRACTION OF GW/SIDE = .1500 CUSH HT = 84.0 GEAR HT = 109.2
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 66771.133

PJ = 999.496 QJ = 36742.640 A = 2.853
 SHP/ENG = 46685.0 SHP TOTAL = 373479.8
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1159.2
 WIFAN = 37957.8 WTGB = 12076.1 WTS = 43603.9
 WT AIRU = 93637.6
 WT AIRI = 117047.0 WFUEL = 29876.4 WT TIP GEAR = 4900.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 151425. WT STRUCT = 287729.
 TOTAL WEIGHT = 439154. DEL WT = 47771.

T = 2.0 INCHES T/W = .006061
 THETA = 45.0 DEGREES NOR SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 5712.352
 PJ = 193.777 QJ = 16213.122 A = 2.442

SHP/ENG = 3004.0 SHP TOTAL = 31951.7
 NO FAN = 24.6 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 510.4
 WIFAN = 7375.1 WTGB = 1406.0 WTS = 3730.4

WT AIRU = 12512.2
 WT AIRI = 15640.3 WFUEL = 2556.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 290328.
 WT SYS = 18986. WT STRUCT = 336119.
 TOTAL WEIGHT = 355065. DEL WT = 3682.

FRACTION OF BW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 15761.889
 PJ = 381.302 QJ = 22775.346 A = 2.888

SHP/ENG = 11020.4 SHP TOTAL = 88163.1
 NO FAN = 24.6 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 716.0
 WIFAN = 18507.0 WIGB = 2265.6 WITS = 10243.9

WT AIRU = 27065.6
 WT AIRI = 33832.0 WFUEL = 7053.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 42385. WT STRUCT = 322172.
 TOTAL WEIGHT = 369557. DEL WT = 13174.

FRACTION OF BW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 27878.038
 PJ = 557.921 QJ = 27883.241 A = 2.550

SHP/ENG = 19498.9 SHP TOTAL = 155911.6
 NO FAN = 24.6 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 864.0
 WIFAN = 21210.7 WIGB = 2962.7 WITS = 88702.7

WT AIRU = 42376.1
 WT AIRI = 52970.1 WFUEL = 12472.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 67693. WT STRUCT = 308397.
 TOTAL WEIGHT = 376090. DEL WT = 24707.

FRACTION OF BW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 40687.496
 PJ = 718.190 QJ = 31159.047 A = 2.545

SHP/ENG = 24417.8 SHP TOTAL = 227582.6
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 982.5
 WIFAN = 27286.3 WIGB = 4324.6 WITS = 26570.3

WT AIRU = 58181.1
 WT AIRI = 72726.4 WFUEL = 18206.6 WT TIP GEAR = 3000.
 WT MAIN GEAR = 47093. WT WING = 249291.
 WT SYS = 93933. WT STRUCT = 296384.
 TOTAL WEIGHT = 390317. DEL WT = 38930.

FRACTION OF BW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 45620.775
 PJ = 786.597 QJ = 32593.784 A = 2.707

SHP/ENG = 32596.3 SHP TOTAL = 260770.2
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1028.4
 WIFAN = 29873.2 WIGB = 5388.3 WITS = 30999.9

WT AIRU = 55706.2
 WT AIRI = 82132.8 WFUEL = 20861.6 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 106354. WT STRUCT = 292927.
 TOTAL WEIGHT = 399281. DEL WT = 47898.

FRACTION OF SW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 159.2
 LIFT = 224700.0 L/A = 94.571 M/W = .267 HP = 63210.460
 PJ = 965.161 QJ = 36020.692 A = 2.968
 SHP/ENG = 44195.4 SHP TOTAL = 153563.5
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1139.1
 WTFAN = 36567.2 WTGR = 10481.9 WTS = 31278.5
 WT AIRU = 88329.2
 WT AIRI = 110411.5 WFUEL = 28285.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 297576.
 WT SYS = 143197. WT STRUCT = 287729.
 TOTAL WEIGHT = 430926. DEL WT = 79543.

T = 2.0 INCHES T/W = .006061
 THETA = 60.0 DEGREES 40% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 M/W = .348 HP = 5992.422
 PJ = 198.012 QJ = 16366.936 A = 2.396
 SHP/ENG = 4119.9 SHP TOTAL = 32958.9
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 516.0
 WTFAN = 7525.8 WTGR = 1430.4 WTS = 3847.9
 WT AIRU = 12804.1
 WT AIRI = 16005.1 WFUEL = 2636.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 290328.
 WT SYS = 19392. WT STRUCT = 336119.
 TOTAL WEIGHT = 355511. DEL WT = 9128.

FRACTION OF SW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 M/W = .357 HP = 16213.197
 PJ = 388.915 QJ = 22928.478 A = 2.442
 SHP/ENG = 11335.9 SHP TOTAL = 90687.2
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 723.1
 WTFAN = 14775.5 WTGR = 2290.7 WTS = 10587.7
 WT AIRU = 27653.9
 WT AIRI = 34567.4 WFUEL = 7255.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 43322. WT STRUCT = 322172.
 TOTAL WEIGHT = 365495. DEL WT = 14112.

FRACTION OF SW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 M/W = .327 HP = 28551.450
 PJ = 567.581 QJ = 27676.903 A = 2.514
 SHP/ENG = 14962.6 SHP TOTAL = 154700.7
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 873.4
 WTFAN = 21542.4 WTGR = 2010.6 WTS = 14645.1
 WT AIRU = 43198.0
 WT AIRI = 53997.5 WFUEL = 12776.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 69024. WT STRUCT = 308397.
 TOTAL WEIGHT = 377420. DEL WT = 26037.

FRACTION OF SW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 M/W = .311 HP = 41439.966

PJ = 727.774 QJ = 2237.426 A = 2.016
 SHP/ENG = 28973.8 SHP TOTAL = 231790.5
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 980.2
 WIFAN = 27607.2 WIGR = 9990.3 WITS = 27061.9
 WT AIRU = 59109.1
 WT AIRI = 73886.4 WFUEL = 14543.2 WT TIP GEAR = 3000.
 WT MAIN GEAR = 97093. WT WING = 219291.
 WT SYS = 95430. WT STRUCT = 296384.
 TOTAL WEIGHT = 391814. DEL WT = 40431.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.411 H/W = .302 HP = 17316.994
 PJ = 795.360 QJ = 32720.196 A = 2.086
 SHP/ENG = 33093.1 SHP TOTAL = 264664.4
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1038.1
 WIFAN = 30153.5 WIGR = 5534.4 WITS = 30899.6
 WT AIRU = 55587.5
 WT AIRI = 83234.8 WFUEL = 21173.2 WT TIP GEAR = 3360.
 WT MAIN GEAR = 95427. WT WING = 247500.
 WT SYS = 107768. WT STRUCT = 292927.
 TOTAL WEIGHT = 800698. DEL WT = 89311.

FRACTION OF GW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 104.2
 LIFT = 224700.0 L/A = 98.571 H/W = .267 HP = 43329.234
 PJ = 967.540 QJ = 35999.614 A = 2.072
 SHP/ENG = 44278.5 SHP TOTAL = 354227.8
 NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 1140.5
 WIFAN = 36590.8 WIGR = 10529.0 WITS = 41356.1
 WT AIRU = 88974.0
 WT AIRI = 110595.0 WFUEL = 28338.2 WT TIP GEAR = 3500.
 WT MAIN GEAR = 90155. WT WING = 247500.
 WT SYS = 143433. WT STRUCT = 282729.
 TOTAL WEIGHT = 431162. DEL WT = 79779.

T = 4.0 INCHES T/W = .012121
 THETA = 15.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 4646.677
 PJ = 105.879 QJ = 23911.869 A = 2.245
 SHP/ENG = 3248.9 SHP TOTAL = 25990.9
 NO FAN = 48.8 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 379.1
 WIFAN = 8277.9 WIGR = 1507.3 WITS = 3039.4
 WT AIRU = 12619.7
 WT AIRI = 15774.6 WFUEL = 2079.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 52791. WT WING = 202328.
 WT SYS = 18604. WT STRUCT = 336119.
 TOTAL WEIGHT = 554723. DEL WT = 3340.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 12890.142
 PJ = 211.084 QJ = 33586.477 A = 2.276
 SHP/ENG = 9012.5 SHP TOTAL = 72100.1
 NO FAN = 48.8 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 532.7

WTFAN = 15945.3 WTGR = 2438.3 WTS = 8417.7

WT AIRU = 26801.2

WT AIRI = 33501.6 WFUEL = 5768.0 WT TIP GEAR = 1500.

WT MAIN GEAR = 53309. WT WING = 268863.

WT SYS = 40770. WT STRUCT = 322172.

TOTAL WEIGHT = 362942. DEL WT = 11559.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4

LIFT = 112350.0 L/A = 47.285 M/W = .327 HP = 229814152

PJ = 310.533 QJ = 40703.002 A = 2.325

SHP/ENG = 16067.9 SHP TOTAL = 128543.5

NO FAN = 48.7 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 694.1

WTFAN = 23438.0 WTGR = 3009.9 WTS = 15807.5

WT AIRU = 41455.3

WT AIRI = 51819.2 WFUEL = 10283.5 WT TIP GEAR = 2250.

WT MAIN GEAR = 50397. WT WING = 258000.

WT SYS = 64353. WT STRUCT = 308397.

TOTAL WEIGHT = 372750. DEL WT = 21367.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5

LIFT = 149800.0 L/A = 63.047 M/W = .311 HP = 33920.365

PJ = 402.888 QJ = 16306.149 A = 2.395

SHP/ENG = 23755.4 SHP TOTAL = 169731.3

NO FAN = 48.7 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 736.0

WTFAN = 30371.8 WTGR = 3879.8 WTS = 22151.1

WT AIRU = 56402.8

WT AIRI = 70503.5 WFUEL = 15174.5 WT TIP GEAR = 3000.

WT MAIN GEAR = 47093. WT WING = 249291.

WT SYS = 88682. WT STRUCT = 296394.

TOTAL WEIGHT = 389366. DEL WT = 33685.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0

LIFT = 157776.0 L/A = 70.613 M/W = .302 HP = 39136.933

PJ = 443.437 QJ = 14541.986 A = 2.441

SHP/ENG = 27363.7 SHP TOTAL = 218909.8

NO FAN = 48.6 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 772.1

WTFAN = 33402.1 WTGR = 4588.3 WTS = 25557.7

WT AIRU = 63548.1

WT AIRI = 79435.1 WFUEL = 17512.8 WT TIP GEAR = 3360.

WT MAIN GEAR = 45427. WT WING = 247500.

WT SYS = 100308. WT STRUCT = 292927.

TOTAL WEIGHT = 393235. DEL WT = 41852.

FRACTION OF GW/SIDE = .1500 CUSH HT = 84.0 GEAR HT = 109.2

LIFT = 224700.0 L/A = 94.571 M/W = .267 HP = 59460.592

PJ = 554.072 QJ = 54080.175 A = 2.633

SHP/ENG = 38041.7 SHP TOTAL = 104733.5

NO FAN = 48.5 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 863.1

WTFAN = 41596.9 WTGR = 4473.4 WTS = 35577.6

WT AIRU = 85647.9

WT AIRI = 107059.9 WFUEL = 24378.7 WT TIP GEAR = 4500.

WT MAIN GEAR = 40153. WT WING = 247576.

WT SYS = 135939. WT STRUCT = 287729.

TOTAL WEIGHT = 423668. DEL WT = 72285.

T = 4.0 INCHES T/W = .012121
THETA = 30.0 DEGREES 908 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.9
LIFT = 37450.0 L/A = 15.762 H/W = .346 HP = 9265.317
PJ = 101.233 QJ = 23173.943 A = 2.390
SHP/ENG = 2992.2 SHP TOTAL = 23857.8
NO FAN = 88.6 NO/SEG = 10.2 LIMIT/SEG = 12.3 VTIP = 348.9
WTFAN = 7518.9 WTGB = 1434.7 WITS = 2785.4
WT AIRU = 11839.0
WT AIRI = 18799.7 WFUEL = 1908.6 WT TIP GEAR = 75.0
WT MAIN GEAR = 55791. WT WING = 280326.
WT SYS = 17457. WT STRUCT = 336119.
TOTAL WEIGHT = 353576. DEL WT = 2193.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
LIFT = 74900.0 L/A = 31.524 H/W = .639 HP = 118054980
PJ = 199.652 QJ = 32522.972 A = 2.427
SHP/ENG = 8254.5 SHP TOTAL = 66036.0
NO FAN = 48.6 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 518.1
WTFAN = 15016.5 WTGB = 2355.3 WITS = 7709.7
WT AIRU = 25091.5
WT AIRI = 31351.9 WFUEL = 5282.9 WT TIP GEAR = 1508.
WT MAIN GEAR = 53309. WT WING = 268863.
WT SYS = 36135. WT STRUCT = 328172.
TOTAL WEIGHT = 360307. DEL WT = 8924.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.0
LIFT = 112350.0 L/A = 47.285 H/W = .957 HP = 204776754
PJ = 293.090 QJ = 39365.853 A = 2.485
SHP/ENG = 14667.2 SHP TOTAL = 117337.5
NO FAN = 48.5 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 627.7
WTFAN = 22022.2 WTGB = 2898.4 WITS = 13599.2
WT AIRU = 38619.7
WT AIRI = 48274.6 WFUEL = 9387.0 WT TIP GEAR = 2250.
WT MAIN GEAR = 50397. WT WING = 258000.
WT SYS = 59912. WT STRUCT = 308397.
TOTAL WEIGHT = 368309. DEL WT = 16926.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 36822.034
PJ = 379.159 QJ = 44709.750 A = 2.569
SHP/ENG = 21500.1 SHP TOTAL = 172401.0
NO FAN = 48.5 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 714.0
WTFAN = 28448.1 WTGB = 3561.7 WITS = 20127.9
WT AIRU = 52137.6
WT AIRI = 55172.0 WFUEL = 13792.1 WT TIP GEAR = 3000.
WT MAIN GEAR = 47093. WT WING = 249291.
WT SYS = 81464. WT STRUCT = 296344.
TOTAL WEIGHT = 373588. DEL WT = 2065.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0

LIFT = 157776.0 L/A = 70.413 M/W = .302 HP = 35461.553
 PJ = 416.575 QJ = 16819.511 A = 2.623
 SHP/ENG = 24794.0 SHP TOTAL = 198351.8
 NO FAN = 48.4 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 748.4
 JTFAN = 31225.8 WTGB = 4060.2 WTS = 23157.6
 WT AIRU = 58443.6
 WT AIRI = 73054.5 WFUEL = 15864.1 WT TIP GEAR = 335.0
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 92283. WT STRUCT = 272927.
 TOTAL WEIGHT = 385209. DEL WT = 33826.

FRACTION OF GW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 109.2
 LIFT = 224700.0 L/A = 94.571 M/W = .267 HP = 48862.326
 PJ = 517.055 QJ = 51954.418 A = 2.853
 SHP/ENG = 39149.5 SHP TOTAL = 273196.3
 NO FAN = 48.2 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 833.7
 JTFAN = 38503.9 WTGB = 6672.6 WTS = 31895.7
 WT AIRU = 77172.2
 WT AIRI = 96465.2 WFUEL = 21855.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 122821. WT STRUCT = 289129.
 TOTAL WEIGHT = 410350. DEL WT = 59167.

T = 4.0 INCHES T/W = .012121
 THETA = 45.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0500 CUSH HT = 110.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 M/W = .348 HP = 4160.694
 PJ = 99.813 QJ = 22926.715 A = 2.442
 SHP/ENG = 2959.1 SHP TOTAL = 23272.3
 NO FAN = 48.4 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 565.3
 JTFAN = 7484.7 WTGB = 1413.1 WTS = 2717.1
 WT AIRU = 11514.9
 WT AIRI = 14518.6 WFUEL = 1861.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 240329.
 WT SYS = 17130. WT STRUCT = 336119.
 TOTAL WEIGHT = 353249. DEL WT = 1866.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 M/W = .339 HP = 11488.614
 PJ = 196.546 QJ = 32148.907 A = 2.484
 SHP/ENG = 8032.6 SHP TOTAL = 64268.8
 NO FAN = 48.4 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 514.0
 JTFAN = 14727.8 WTGB = 2324.1 WTS = 7502.4
 WT AIRU = 24558.4
 WT AIRI = 30494.0 WFUEL = 5142.9 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 37339. WT STRUCT = 322172.
 TOTAL WEIGHT = 359511. DEL WT = 8128.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 M/W = .327 HP = 20339.694
 PJ = 287.858 QJ = 38862.321 A = 2.550
 SHP/ENG = 14221.1 SHP TOTAL = 113768.6

NO FAN = 88.3 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 622.1
 WIFAN = 21545.6 WTGB = 2862.5 WITS = 13282.5
 WT AIRU = 37690.5
 WT AIRI = 87113.2 WFUEL = 9101.5 WT TIP GEAR = 2253.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 58465. WT STRUCT = 308397.
 TOTAL WEIGHT = 346462. DEL WT = 15879.

FRACTION OF BW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 29737.579
 PJ = 371.218 QJ = 44059.489 A = 2.645
 SHP/ENG = 20721.9 SHP TOTAL = 166315.1

NO FAN = 88.3 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 622.1
 WIFAN = 27739.2 WTGB = 3464.3 WITS = 19419.6
 WT AIRU = 50623.1
 WT AIRI = 63278.9 WFUEL = 13306.8 WT TIP GEAR = 3003.
 WT MAIN GEAR = 47093. WT WING = 249291.
 WT SYS = 79544. WT STRUCT = 296381.
 TOTAL WEIGHT = 375970. DEL WT = 24587.

FRACTION OF BW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 34110.070
 PJ = 407.061 QJ = 44087.915 A = 2.707

SHP/ENG = 23849.0 SHP TOTAL = 290742.8
 NO FAN = 88.2 NO/SEG = 10.3 LIMIT/SEG = 12.5 VTIP = 739.0
 WIFAN = 30344.6 WTGB = 3899.9 WITS = 22275.0
 WT AIRU = 56559.7
 WT AIRI = 70693.4 WFUEL = 15263.4 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 217500.
 WT SYS = 89317. WT STRUCT = 292721.
 TOTAL WEIGHT = 382243. DEL WT = 30848.

FRACTION OF BW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 109.2
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 46452.880
 PJ = 501.537 QJ = 50931.390 A = 2.966

SHP/ENG = 32478.9 SHP TOTAL = 259831.1
 NO FAN = 88.0 NO/SEG = 10.0 LIMIT/SEG = 12.3 VTIP = 821.2
 WIFAN = 37275.2 WTGB = 6044.5 WITS = 30335.3
 WT AIRU = 73655.0
 WT AIRI = 92068.7 WFUEL = 20785.5 WT TIP GEAR = 4501.
 WT MAIN GEAR = 40153. WT WING = 244976.
 WT SYS = 117355. WT STRUCT = 287729.
 TOTAL WEIGHT = 405084. DEL WT = 53701.

T = 4.0 INCHES T/W = .012121
 THEIA = 60.0 DEGREES 40% SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.0
 LIFT = 31450.0 L/A = 15.762 H/W = .348 HP = 4303.631
 PJ = 102.276 QJ = 23143.148 A = 2.396

SHP/ENG = 3009.0 SHP TOTAL = 24072.1
 NO FAN = 88.3 NO/SEG = 10.1 LIMIT/SEG = 12.3 VTIP = 376.0
 WIFAN = 7648.0 WTGB = 1439.4 WITS = 2810.4
 WT AIRU = 11897.9

WT AIRI = 14872.3 WFUEL = 1925.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 45791. WT WING = 280328.
 WT SYS = 17548. WT STRUCT = 336119.
 TOTAL WEIGHT = 353567. DEL WT = 2289.

FRACTION OF GW/SIDE = .0500 CUSH WT = 112.3 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 51.528 H/W = .339 HP = 11850.734
 PJ = 201.038 QJ = 32421.270 A = 2.442
 SHP/ENG = 8225.8 SHP TOTAL = 66296.3
 NO FAN = 48.3 NO/SEG = 10.1 LIMIT/SEG = 12.3 VIIP = 519.9
 WIFAN = 15021.4 WTGB = 2355.1 WITS = 7738.9
 WT AIRU = 25115.8

WT AIRI = 31394.2 WFUEL = 5302.9 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268853.
 WT SYS = 38197. WT STRUCT = 322172.
 TOTAL WEIGHT = 360369. DEL WT = 8986.

FRACTION OF GW/SIDE = .0750 CUSH WT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 20894.652
 PJ = 293.651 QJ = 39135.073 A = 2.514
 SHP/ENG = 14609.1 SHP TOTAL = 116872.8
 NO FAN = 48.2 NO/SEG = 10.0 LIMIT/SEG = 12.3 VIIP = 624.3
 WIFAN = 21914.0 WTGB = 2890.0 WITS = 13544.7
 WT AIRU = 38448.9

WT AIRI = 48061.2 WFUEL = 9349.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 254000.
 WT SYS = 59661. WT STRUCT = 308397.
 TOTAL WEIGHT = 368558. DEL WT = 16675.

FRACTION OF GW/SIDE = .1000 CUSH WT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 30380.047
 PJ = 377.330 QJ = 44282.229 A = 2.618
 SHP/ENG = 21201.1 SHP TOTAL = 169928.7
 NO FAN = 48.1 NO/SEG = 10.0 LIMIT/SEG = 12.3 VIIP = 712.2
 WIFAN = 28108.0 WTGB = 3517.7 WITS = 19939.2
 WT AIRU = 51464.9

WT AIRI = 54331.2 WFUEL = 13594.3 WT TIP GEAR = 3000.
 WT MAIN GEAR = 47093. WT WING = 249291.
 WT SYS = 80925. WT STRUCT = 296394.
 TOTAL WEIGHT = 377310. DEL WT = 25927.

FRACTION OF GW/SIDE = .1120 CUSH WT = 99.5 GEAR HT = 138.0
 LIFT = 157776.0 L/A = 70.613 H/W = .302 HP = 34728.722
 PJ = 412.859 QJ = 46265.225 A = 2.686
 SHP/ENG = 24202.6 SHP TOTAL = 199252.4
 NO FAN = 48.1 NO/SEG = 10.0 LIMIT/SEG = 12.3 VIIP = 745.0
 WIFAN = 30718.0 WTGB = 3965.2 WITS = 22679.0
 WT AIRU = 57362.2

WT AIRI = 71702.9 WFUEL = 15590.2 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 90603. WT STRUCT = 292927.
 TOTAL WEIGHT = 383530. DEL WT = 32147.

FRACTION OF GW/SIDE = .1500 CUSH HT = 15.00 GEAR HT = 104.2
 LIFT = 224700.0 L/A = 94.571 M/W = .267 HP = 46709.896
 PJ = 504.583 QJ = 50899.737 A = 2.972
 SHP/ENG = 32655.8 SHP TOTAL = 241246.2
 NO FAN = 47.8 NO/SEG = 10.0 LIMIT/SEG = 12.3 VIMP = 823.7
 W/FAN = 37365.0 W/GH = 6102.5 W/IS = 30500.5
 WT AIRU = 73948.0
 WT AIRI = 92860.0 WFUEL = 20899.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 117460. WT STRUCT = 247720.
 TOTAL WEIGHT = 405589. DEL WT = 54206.

T = 6.0 INCHES T/O = 4018182
 THETA = 15.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 11.77 GEAR HT = 173.0
 LIFT = 37450.0 L/A = 15.762 M/W = .344 HP = 3872.677
 PJ = 72.831 QJ = 29283.038 A = 2.282
 SHP/ENG = 2731.2 SHP TOTAL = 21684.5
 NO FAN = 72.4 NO/SEG = 16.1 LIMIT/SEG = 12.3 VIMP = 312.9
 W/FAN = 8166.1 W/GH = 1520.4 W/IS = 2532.3
 WT AIRU = 12218.9
 WT AIRI = 15273.6 WFUEL = 1735.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 5579. WT WING = 221324.
 WT SYS = 17759. WT STRUCT = 32623.9
 TOTAL WEIGHT = 353878. DEL WT = 2465.

FRACTION OF GW/SIDE = .0900 CUSH HT = 11.77 GEAR HT = 147.0
 LIFT = 74900.0 L/A = 31.528 M/W = .344 HP = 10742.308
 PJ = 143.917 QJ = 41130.948 A = 2.282
 SHP/ENG = 7524.9 SHP TOTAL = 60199.5
 NO FAN = 72.4 NO/SEG = 16.1 LIMIT/SEG = 12.3 VIMP = 312.9
 W/FAN = 16123.5 W/GH = 2506.7 W/IS = 7020.1
 WT AIRU = 25658.5
 WT AIRI = 32623.2 WFUEL = 4215.2 WT TIP GEAR = 1110.6
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 36389. WT STRUCT = 322172.
 TOTAL WEIGHT = 360361. DEL WT = 10172.

FRACTION OF GW/SIDE = .0720 CUSH HT = 104.2 GEAR HT = 124.2
 LIFT = 112350.0 L/A = 47.209 M/W = .327 HP = 19793.999
 PJ = 211.896 QJ = 49843.172 A = 2.328
 SHP/ENG = 13926.8 SHP TOTAL = 107814.3
 NO FAN = 72.3 NO/SEG = 16.1 LIMIT/SEG = 12.3 VIMP = 431.7
 W/FAN = 23709.6 W/GH = 3050.9 W/IS = 12590.6
 WT AIRU = 19341.2
 WT AIRI = 49126.5 WFUEL = 8943.1 WT TIP GEAR = 2200.
 WT MAIN GEAR = 50397. WT WING = 294000.
 WT SYS = 59970. WT STRUCT = 308377.
 TOTAL WEIGHT = 364167. DEL WT = 16444.

FRACTION OF GW/SIDE = .1000 CUSH HT = 104.2 GEAR HT = 104.2
 LIFT = 149800.0 L/A = 63.047 M/W = .311 HP = 20370.346
 PJ = 275.245 QJ = 54704.193 A = 2.308

SHP/IND : 14991.9 SHP TOTAL : 150722.9
W/FAN : 79.1 W/GEAR : 16.0 LIMIT/SEC : 12.3 VTIP : 608.3
W/PROP : 90741.9 W/WR : 7608.6 W/TS : 18532.0
W/STR : 92082.9
W/STR : 46103.1 W/STR : 12638.6 W/TIP GEAR : 3000.
W/PROP GEAR : 47043. W/WR : 249291.
W/STR : 81804. W/STR : 296309.
TOTAL W/WR : 378106. DFL WT : 26805.1

POSITION OF SW/STR : 21170 CUSH HT : 99.5 GEAR HT : 138.0
LIFT : 167776.6 L/A : 70.613 H/W : .302 HP : 32768.021

~~W/STR : 81804. W/STR : 296309.~~
SHP/IND : 28918.9 SHP TOTAL : 185322.9
W/FAN : 79.0 W/GEAR : 16.0 LIMIT/SEC : 12.3 VTIP : 638.4
W/PROP : 119776.6 W/WR : 8022.6 W/TS : 21398.6
W/STR : 47043.1
W/STR : 10694.0 W/STR : 18642.9 W/TIP GEAR : 3360.
W/PROP GEAR : 48477. W/WR : 287500.
W/STR : 46077. W/STR : 298927.
TOTAL W/WR : 389309. DFL WT : 33623.

POSITION OF SW/STR : 21900 CUSH HT : 89.0 GEAR HT : 129.2
LIFT : 220706.0 L/A : 19.771 H/W : .1297 HP : 45763.090

~~W/STR : 81804. W/STR : 296309.~~
SHP/IND : 11946.6 SHP TOTAL : 75572.9
W/FAN : 79.1 W/GEAR : 16.0 LIMIT/SEC : 12.3 VTIP : 719.8
W/PROP : 17181.4 W/WR : 6155.4 W/TS : 24980.6
W/STR : 10694.1
W/STR : 28022.2 W/STR : 10077.3 W/TIP GEAR : 4200.
W/PROP GEAR : 40135. W/WR : 287770.
TOTAL W/WR : 416700. DFL WT : 39297.

W/STR : 10694.1 W/STR : 10077.3 W/TIP GEAR : 4200.
W/PROP GEAR : 40135. W/WR : 287770.
TOTAL W/WR : 416700. DFL WT : 39297.

POSITION OF SW/STR : 20790 CUSH HT : 114.7 GEAR HT : 173.4
LIFT : 11040.0 L/A : 14.762 H/W : .398 HP : 3674.197

~~W/STR : 81804. W/STR : 296309.~~
SHP/IND : 4872.6 SHP TOTAL : 14743.0
W/FAN : 79.0 W/GEAR : 16.0 LIMIT/SEC : 12.3 VTIP : 796.3
W/PROP : 119776.6 W/WR : 1044.1 W/TS : 2334.1
W/STR : 119776.6
W/STR : 119776.6 W/STR : 119776.6 W/TIP GEAR : 745.
W/PROP GEAR : 119776.6 W/WR : 119776.6
TOTAL W/WR : 119776.6 DFL WT : 1461.

POSITION OF SW/STR : 21401 CUSH HT : 117.0 GEAR HT : 167.5
LIFT : 119776.6 L/A : 11.724 H/W : .139 HP : 9499.150

~~W/STR : 81804. W/STR : 296309.~~
SHP/IND : 4872.6 SHP TOTAL : 14743.0
W/FAN : 79.0 W/GEAR : 16.0 LIMIT/SEC : 12.3 VTIP : 796.3
W/PROP : 119776.6 W/WR : 1044.1 W/TS : 2334.1

WT AIRU = 24101.3

WT AIRI = 30126.6 WFUEL = 4429.6 WT TIP GEAR = 1500.

WT MAIN GEAR = 53309. WT WING = 268863.

WT SYS = 36056. WT STRUCT = 322172.

TOTAL WEIGHT = 358228. DEL WT = 6845.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 1258.0

LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 17606.692

PJ = 200.984 DJ = 48205.407 A = 2.485

SHP/ENG = 12310.2 SHP TOTAL = 98481.8

NO FAN = 71.6 NO/SEG = 15.9 LIMIT/SEG = 12.3 VTIP = 519.7

WTFAN = 22325.9 WTGB = 2967.6 WTTS = 11897.8

WT AIRU = 36786.2

WT AIRI = 45982.8 WFUEL = 7878.5 WT TIP GEAR = 2253.

WT MAIN GEAR = 50397. WT WING = 258000.

WT SYS = 56111. WT STRUCT = 308397.

TOTAL WEIGHT = 564508. DEL WT = 13125.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 105.5

LIFT = 149800.0 L/A = 43.047 H/W = .311 HP = 25935.441

PJ = 260.245 DJ = 54748.352 A = 2.569

SHP/ENG = 18112.5 SHP TOTAL = 144900.3

NO FAN = 71.6 NO/SEG = 15.9 LIMIT/SEG = 12.3 VTIP = 591.5

WTFAN = 28860.4 WTGB = 3424.0 WTTS = 16917.1

WT AIRU = 49201.5

WT AIRI = 61501.9 WFUEL = 11592.0 WT TIP GEAR = 3002.

WT MAIN GEAR = 47093. WT WING = 249291.

WT SYS = 76094. WT STRUCT = 296384.

TOTAL WEIGHT = 372878. DEL WT = 21095.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 158.0

LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 29832.320

PJ = 286.193 DJ = 57331.147 A = 2.623

SHP/ENG = 20858.1 SHP TOTAL = 166845.1

NO FAN = 71.5 NO/SEG = 15.9 LIMIT/SEG = 12.3 VTIP = 620.3

WTFAN = 31692.8 WTGB = 3725.0 WTTS = 19481.5

WT AIRU = 54899.3

WT AIRI = 68624.1 WFUEL = 13349.2 WT TIP GEAR = 3360.

WT MAIN GEAR = 55427. WT WING = 247500.

WT SYS = 85333. WT STRUCT = 292927.

TOTAL WEIGHT = 378260. DEL WT = 26878.

FRACTION OF GW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 109.2

LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 41247.474

PJ = 354.513 DJ = 63615.573 A = 2.853

SHP/ENG = 28439.4 SHP TOTAL = 230715.0

NO FAN = 71.1 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 692.4

WTFAN = 39255.6 WTGB = 5306.6 WTTS = 26936.3

WT AIRU = 71495.2

WT AIRI = 84372.7 WFUEL = 18457.2 WT TIP GEAR = 4502.

WT MAIN GEAR = 90153. WT WING = 247576.

WT SYS = 112330. WT STRUCT = 287729.

TOTAL WEIGHT = 400659. DEL WT = 48676.

$T = 6.0$ INCHES $T/W = .018182$
 $\theta = 45.0$ DEGREES 408 SEMISPAN
 FRACTION OF SW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 3498.924
 PJ = 66.587 QJ = 28074.216 A = 2.442
 SHP/ENG = 2446.4 SHP TOTAL = 19570.9
 NO FAN = 71.6 NO/SEG = 15.9 LIMIT/SEG = 12.3 VTIP = 303.6
 WIFAN = 7595.2 WTGB = 1828.2 WITS = 2284.9
 WT AIRU = 11308.3
 WT AIRI = 14135.4 WFUEL = 1565.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 290328.
 WT SYS = 16451. WT STRUCT = 336119.
 TOTAL WEIGHT = 352570. DEL WT = 1187.

FRACTION OF SW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 9648.242
 PJ = 135.074 QJ = 39366.617 A = 2.484
 SHP/ENG = 6759.7 SHP TOTAL = 54077.5
 NO FAN = 71.5 NO/SEG = 12.9 LIMIT/SEG = 12.3 VTIP = 426.1
 WIFAN = 14950.5 WTGB = 2393.8 WITS = 6313.6
 WT AIRU = 23657.8
 WT AIRI = 24572.2 WFUEL = 4324.2 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 35398. WT STRUCT = 322172.
 TOTAL WEIGHT = 357571. DEL WT = 6188.

FRACTION OF SW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.265 H/W = .327 HP = 14713.043
 PJ = 198.049 QJ = 47586.557 A = 2.550
 SHP/ENG = 11950.7 SHP TOTAL = 95845.8
 NO FAN = 71.4 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 516.0
 WIFAN = 21893.2 WTGB = 2933.4 WITS = 11190.0
 WT AIRU = 36064.5
 WT AIRI = 45008.2 WFUEL = 7667.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 54926. WT STRUCT = 308397.
 TOTAL WEIGHT = 363323. DEL WT = 11940.

FRACTION OF SW/SIDE = .1000 CUSH HT = 102.0 GEAR HT = 149.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 25042.745
 PJ = 255.915 QJ = 53949.275 A = 2.645
 SHP/ENG = 17544.3 SHP TOTAL = 140354.6
 NO FAN = 71.2 NO/SEG = 15.4 LIMIT/SEG = 12.3 VTIP = 585.4
 WIFAN = 28196.1 WTGB = 3347.4 WITS = 16386.4
 WT AIRU = 47949.8
 WT AIRI = 59937.3 WFUEL = 11224.4 WT TIP GEAR = 3000.
 WT MAIN GEAR = 47093. WT WING = 249291.
 WT SYS = 74166. WT STRUCT = 246394.
 TOTAL WEIGHT = 370450. DEL WT = 19167.

FRACTION OF SW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 28012.309

PJ = 280.912 QJ = 56932.051 A = 2.707
 SHP/ENG = 20195.0 SHP TOTAL = 161159.7
 NO FAN = 71.1 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 610.0
 WTFAN = 30901.1 WTGB = 3633.7 WTS = 18015.9
 WT AIRU = 53350.1
 WT AIRI = 66687.6 WFUEL = 12992.8 WT TIP GEAR = 3360.
 WT MAIN GEAR = 85027. WT WING = 287500.
 WT SYS = 82940. WT STRUCT = 292927.
 TOTAL WEIGHT = 375867. DEL WT = 24480.

FRACTION OF GW/SIDE = .1500 CUSH HT = 98.0 GEAR HT = 109.2
 LIFT = 228700.0 L/A = 99.571 H/W = 267 HP = 39839.571
 PJ = 397.591 QJ = 62358.530 A = 2.968
 SHP/ENG = 27554.3 SHP TOTAL = 220434.8
 NO FAN = 70.6 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 603.6
 WTFAN = 37990.1 WTGB = 4953.2 WTS = 25735.6
 WT AIRU = 58679.0
 WT AIRI = 95848.8 WFUEL = 17634.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 287570.
 WT SYS = 107984. WT STRUCT = 287729.
 TOTAL WEIGHT = 395713. DEL WT = 24330.

T = 6.0 INCHES T/W = .018162

THETA = 60.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 3628.923
 PJ = 70.432 QJ = 28338.229 A = 2.396
 SHP/ENG = 2577.3 SHP TOTAL = 20298.1
 NO FAN = 71.3 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 607.2
 WTFAN = 7771.4 WTGB = 1457.0 WTS = 2369.8
 WT AIRU = 11598.2
 WT AIRI = 14497.7 WFUEL = 1623.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 280328.
 WT SYS = 16972. WT STRUCT = 336119.
 TOTAL WEIGHT = 352991. DEL WT = 1608.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 10000.474
 PJ = 134.550 QJ = 39699.688 A = 2.442
 SHP/ENG = 6992.1 SHP TOTAL = 55937.0
 NO FAN = 71.2 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 631.6
 WTFAN = 15269.3 WTGB = 2424.5 WTS = 6530.0
 WT AIRU = 24224.4
 WT AIRI = 30280.5 WFUEL = 4475.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268463.
 WT SYS = 36255. WT STRUCT = 322172.
 TOTAL WEIGHT = 358024. DEL WT = 7045.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 17653.693
 PJ = 202.624 QJ = 47918.622 A = 2.514
 SHP/ENG = 12343.0 SHP TOTAL = 98744.2
 NO FAN = 71.0 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 521.9

WTFAN = 22289.0 WTGR = 2958.3 WITS = 11528.4
 WT AIRU = 36775.7
 WT AIRI = 85969.6 WFUEL = 7899.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 56119. WT STRUCT = 308397.
 TOTAL WEIGHT = 369516. DEL WT = 13133.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 25712.275
 PJ = 260.824 QJ = 54219.609 A = 2.618
 SHP/ENG = 17977.5 SHP TOTAL = 143819.9
 NO FAN = 70.9 NO/SEG = 15.7 LIMIT/SEG = 12.3 VTIP = 592.2
 WTFAN = 28613.4 WTGR = 3404.2 WITS = 126791.8
 WT AIRU = 48808.6
 WT AIRI = 51010.7 WFUEL = 11505.6 WT TIP GEAR = 3000.
 WT MAIN GEAR = 47093. WT WING = 249291.
 WT SYS = 75516. WT STRUCT = 296394.
 TOTAL WEIGHT = 371901. DEL WT = 20518.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 157775.0 L/A = 70.613 H/W = .302 HP = 29426.200
 PJ = 285.708 QJ = 54646.599 A = 2.686
 SHP/ENG = 20574.2 SHP TOTAL = 164543.5
 NO FAN = 70.7 NO/SEG = 15.7 LIMIT/SEG = 12.3 VTIP = 619.8
 WTFAN = 31287.8 WTGR = 3681.9 WITS = 19216.3
 WT AIRU = 54186.0
 WT AIRI = 67732.5 WFUEL = 13167.5 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 84260. WT STRUCT = 292927.
 TOTAL WEIGHT = 377187. DEL WT = 25094.

FRACTION OF GW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 139.2
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 39062.980
 PJ = 350.947 QJ = 52316.019 A = 2.972
 SHP/ENG = 27501.4 SHP TOTAL = 222411.6
 NO FAN = 70.2 NO/SEG = 15.6 LIMIT/SEG = 12.3 VTIP = 686.9
 WTFAN = 38147.0 WTGR = 5011.5 WITS = 25966.3
 WT AIRU = 69125.1
 WT AIRI = 85405.8 WFUEL = 17792.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 108699. WT STRUCT = 287729.
 TOTAL WEIGHT = 396428. DEL WT = 45045.

T = 8.0 INCHES T/W = .024242
 THETA = 15.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 473.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 3431.990
 PJ = 55.832 QJ = 33808.380 A = 2.245
 SHP/ENG = 2399.6 SHP TOTAL = 19196.6
 NO FAN = 95.5 NO/SEG = 21.0 LIMIT/SEG = 12.3 VTIP = 274.0
 WTFAN = 8254.8 WTGR = 1535.3 WITS = 2241.
 WT AIRU = 12031.3
 WT AIRI = 15039.2 WFUEL = 1535.7 WT TIP GEAR = 750.

WT MAIN GEAR = 55791. WT WING = 290324.
 WT SYS = 17325. WT STRUCT = 336119.
 TOTAL WEIGHT = 353444. DEL WT = 2061.

FRACTION OF BW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 M/W = .339 HP = 9530.430
 PJ = 110.384 QJ = 47486.499 A = 2.276
 SHP/ENG = 6663.5 SHP TOTAL = 53307.8
 NO FAN = 95.8 NO/SEG = 21.8 LIMIT/SEG = 12.3 VTIP = 385.2
 WIFAN = 16302.8 WTGB = 2565.9 WITS = 6223.7
 WT AIRU = 25092.4
 WT AIRI = 31365.6 WFUEL = 8268.4 WT TIP GEAR = 1501.

WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 37130. WT STRUCT = 322172.
 TOTAL WEIGHT = 359302. DEL WT = 7919.

FRACTION OF BW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 M/W = .327 HP = 17919.087
 PJ = 162.558 QJ = 57547.166 A = 2.325
 SHP/ENG = 11899.4 SHP TOTAL = 95195.1
 NO FAN = 95.2 NO/SEG = 21.6 LIMIT/SEG = 12.3 VTIP = 467.5
 WIFAN = 23982.9 WTGB = 3126.4 WITS = 11114.3
 WT AIRU = 38222.3
 WT AIRI = 47779.1 WFUEL = 7615.6 WT TIP GEAR = 2253.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 57685. WT STRUCT = 308397.
 TOTAL WEIGHT = 366042. DEL WT = 14659.

FRACTION OF BW/SIDE = .1000 CUSH HT = 102.0 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 M/W = .311 HP = 25179.625
 PJ = 211.538 QJ = 65467.210 A = 2.395
 SHP/ENG = 17625.1 SHP TOTAL = 140840.5
 NO FAN = 95.0 NO/SEG = 21.7 LIMIT/SEG = 12.3 VTIP = 533.3
 WIFAN = 31119.2 WTGB = 3571.2 WITS = 14443.1
 WT AIRU = 51128.5
 WT AIRI = 63910.6 WFUEL = 11267.2 WT TIP GEAR = 3009.
 WT MAIN GEAR = 47093. WT WING = 219291.
 WT SYS = 78178. WT STRUCT = 296384.
 TOTAL WEIGHT = 374562. DEL WT = 23179.

FRACTION OF BW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 M/W = .302 HP = 29096.848
 PJ = 233.192 QJ = 74 A = 2.441
 SHP/ENG = 20383.9 SHP TOTAL = 162751.3
 NO FAN = 94.8 NO/SEG = 21.7 LIMIT/SEG = 12.3 VTIP = 554.9
 WIFAN = 34244.6 WTGB = 3862.2 WITS = 19001.2
 WT AIRU = 57107.9
 WT AIRI = 71284.9 WFUEL = 13020.1 WT TIP GEAR = 3363.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 87765. WT STRUCT = 292927.
 TOTAL WEIGHT = 380692. DEL WT = 29309.

FRACTION OF BW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 109.2

LIFT = 224700.0 L/A = 99.571 W/W = .267 HP = 9766.712
 PJ = 293.266 QJ = 76009.799 A = 2.533
 SHP/ENG = 2853.2 SHP TOTAL = 228025.9
 NO FAN = 99.2 NO/SEG = 21.6 LIMIT/SEG = 12.3 VTIP = 627.9
 WTFAN = 42782.1 WTGB = 5500.3 WTS = 26622.9
 WT AIRU = 74904.5
 WT AIRI = 93630.6 WFUEL = 14242.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 116373. WT STRUCT = 287729.
 TOTAL WEIGHT = 909102. DEL WT = 52719.

T = 6.0 INCHES T/W = .024242

THETA = 30.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 W/W = .348 HP = 3176.395
 PJ = 53.326 QJ = 32761.043 A = 2.390
 SHP/ENG = 2220.9 SHP TOTAL = 17746.9
 NO FAN = 99.7 NO/SEG = 21.7 LIMIT/SEG = 12.3 VTIP = 267.0
 WTFAN = 7617.5 WTGB = 1463.9 WTS = 2074.3
 WT AIRU = 11355.7
 WT AIRI = 14194.6 WFUEL = 1421.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 290328.
 WT SYS = 16366. WT STRUCT = 336119.
 TOTAL WEIGHT = 352485. DEL WT = 1102.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 W/W = .339 HP = 8802.790
 PJ = 105.301 QJ = 15978.014 A = 2.427
 SHP/ENG = 6159.7 SHP TOTAL = 49257.0
 NO FAN = 98.6 NO/SEG = 21.6 LIMIT/SEG = 12.3 VTIP = 376.5
 WTFAN = 15017.2 WTGB = 2477.3 WTS = 3740.5
 WT AIRU = 23643.0
 WT AIRI = 29553.9 WFUEL = 3939.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 269843.
 WT SYS = 34993. WT STRUCT = 322172.
 TOTAL WEIGHT = 357165. DEL WT = 5782.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 W/W = .327 HP = 15671.770
 PJ = 154.886 QJ = 55650.362 A = 2.485
 SHP/ENG = 10957.4 SHP TOTAL = 87659.0
 NO FAN = 99.4 NO/SEG = 21.6 LIMIT/SEG = 12.3 VTIP = 456.3
 WTFAN = 22531.6 WTGB = 3043.7 WTS = 10234.6
 WT AIRU = 35909.4
 WT AIRI = 44855.9 WFUEL = 7012.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 254000.
 WT SYS = 54150. WT STRUCT = 308397.
 TOTAL WEIGHT = 362546. DEL WT = 1163.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 W/W = .311 HP = 23090.556
 PJ = 200.439 QJ = 53202.331 A = 2.569
 SHP/ENG = 16144.9 SHP TOTAL = 129155.5

NO FAN = 94.1 NO/SEG = 21.5 LIMIT/SEG = 12.3 VTIP = 519.8
 WTFAN = 29275.6 WTGB = 3438.8 WTS = 15078.9
 WT AIRU = 47793.2
 WT AIRI = 59791.5 WFUEL = 10332.9 WT TIP GEAR = 3000.
 WT MAIN GEAR = 47093. WT WING = 240291.
 WT SYS = 73074. WT STRUCT = 296334.
 TOTAL WEIGHT = 369158. DEL WT = 18075.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 M/D = .302 HP = 26614.902
 PJ = 221.178 QJ = 56192.884 A = 2.623
 SHP/ENG = 18608.6 SHP TOTAL = 38868.7
 NO FAN = 93.9 NO/SEG = 21.5 LIMIT/SEG = 12.3 VTIP = 519.8
 WTFAN = 32163.0 WTGB = 3659.9 WTS = 17580.4
 WT AIRU = 53203.4
 WT AIRI = 56504.2 WFUEL = 11909.5 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 81774. WT STRUCT = 292927.
 TOTAL WEIGHT = 374700. DEL WT = 23317.

FRACTION OF GW/SIDE = .1500 CUSH HT = 88.3 GEAR HT = 139.2
 LIFT = 224700.0 L/A = 94.571 M/D = .267 HP = 36938.799
 PJ = 275.568 QJ = 73432.244 A = 2.853
 SHP/ENG = 25826.8 SHP TOTAL = 20610.7
 NO FAN = 93.2 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 409.9
 WTFAN = 39212.3 WTGB = 4789.7 WTS = 24122.3
 WT AIRU = 68824.3
 WT AIRI = 86030.3 WFUEL = 16529.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247574.
 WT SYS = 107059. WT STRUCT = 247292.
 TOTAL WEIGHT = 394789. DEL WT = 4346.

T = 8.0 INCHES T/W = .024242
 THETA = 45.6 DEGREES 408 SE91504H

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 M/W = .348 HP = 3120.389
 PJ = 52.955 QJ = 32409.002 A = 2.442
 SHP/ENG = 2181.7 SHP TOTAL = 17453.7
 NO FAN = 94.0 NO/SEG = 21.5 LIMIT/SEG = 12.3 VTIP = 266.9
 WTFAN = 7706.5 WTGB = 1449.6 WTS = 2037.7
 WT AIRU = 11189.8
 WT AIRI = 13987.3 WFUEL = 1396.3 WT TIP GEAR = 753.
 WT MAIN GEAR = 55791. WT WING = 200328.
 WT SYS = 16134. WT STRUCT = 336119.
 TOTAL WEIGHT = 352253. DEL WT = 872.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74400.0 L/A = 31.524 M/W = .339 HP = 8628.121
 PJ = 104.423 QJ = 45444.432 A = 2.484
 SHP/ENG = 4032.6 SHP TOTAL = 48260.8
 NO FAN = 93.9 NO/SEG = 21.5 LIMIT/SEG = 12.3 VTIP = 374.7
 WTFAN = 15174.7 WTGB = 2451.3 WTS = 5634.5
 WT AIRU = 23260.5

WT AIRI = 29075.6 WFUEL = 3460.9 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 34436. WT STRUCT = 322172.
 TOTAL WEIGHT = 356609. DEL WT = 5225.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.295 H/W = .327 HP = 15308.945
 PJ = 153.278 QJ = 54932.350 A = 2.550
 SHP/ENG = 10723.7 SHP TOTAL = 85629.6
 NO FAN = 93.6 NO/SEG = 21.4 LIMIT/SEG = 12.3 VTIP = 453.9
 WIFAN = 22223.3 WTGR = 3016.5 WITS = 9997.3
 WT AIRU = 35237.0

WT AIRI = 44046.3 WFUEL = 6050.4 WT TIP GEAR = 2259.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 53147. WT STRUCT = 304397.
 TOTAL WEIGHT = 361544. DEL WT = 10161.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 22453.322
 PJ = 198.302 QJ = 62275.361 A = 2.595
 SHP/ENG = 15698.9 SHP TOTAL = 125591.1
 NO FAN = 93.3 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 516.3
 WIFAN = 28656.3 WTGR = 3397.9 WITS = 14662.8

WT AIRU = 46716.5
 WT AIRI = 58395.6 WFUEL = 10047.3 WT TIP GEAR = 3000.
 WT MAIN GEAR = 47093. WT WING = 249291.
 WT SYS = 71443. WT STRUCT = 296384.
 TOTAL WEIGHT = 367827. DEL WT = 16444.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
 LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 25008.112
 PJ = 217.907 QJ = 65139.960 A = 2.707
 SHP/ENG = 18044.5 SHP TOTAL = 144355.9
 NO FAN = 93.1 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 591.3
 WIFAN = 31421.2 WTGR = 3598.1 WITS = 16853.6
 WT AIRU = 51872.9
 WT AIRI = 64841.1 WFUEL = 11544.5 WT TIP GEAR = 3361.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 79750. WT STRUCT = 292927.
 TOTAL WEIGHT = 372676. DEL WT = 21291.

FRACTION OF GW/SIDE = .1500 CUSH HT = 98.0 GEAR HT = 109.2
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 35451.909
 PJ = 270.910 QJ = 71974.228 A = 2.968
 SHP/ENG = 24747.2 SHP TOTAL = 199247.9
 NO FAN = 92.3 NO/SEG = 21.1 LIMIT/SEG = 12.3 VTIP = 609.5
 WIFAN = 34710.6 WTGR = 4557.1 WITS = 23151.3
 WT AIRU = 55915.9
 WT AIRI = 83023.6 WFUEL = 15963.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 103387. WT STRUCT = 287729.
 TOTAL WEIGHT = 391117. DEL WT = 39754.

T = 9.0 INCHES T/W = .029242
THETA = 60.0 DEGREES 408 SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 119.7 GEAR HT = 173.9
LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 3245.002
PJ = 54.559 QJ = 32712.157 A = 2.396
SHP/ENG = 2258.8 SHP TOTAL = 18150.7
NO FAN = 93.5 NO/SEG = 21.9 LIMIT/SEG = 12.3 VTIP = 270.8
WTFAN = 7895.6 WTGB = 1476.8 WTS = 2119.1
WT AIRU = 11491.4
WT AIRI = 14364.3 WFUEL = 1452.1 WT TIP GEAR = 753.
WT MAIN GEAR = 55791. WT WING = 280328.
WT SYS = 14564. WT STRUCT = 33119.
TOTAL WEIGHT = 352685.8 DEL WT = 11302.

FRACTION OF BW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 8949.225
PJ = 107.409 QJ = 4525.356 A = 2.442
SHP/ENG = 6257.1 SHP TOTAL = 50056.9
NO FAN = 93.3 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 380.0
WTFAN = 15519.1 WTGB = 2885.8 WTS = 5888.1
WT AIRU = 23849.0
WT AIRI = 29911.3 WFUEL = 4004.6 WT TIP GEAR = 1503.
WT MAIN GEAR = 53509. WT WING = 245863.
WT SYS = 35316. WT STRUCT = 322172.
TOTAL WEIGHT = 357488. DEL WT = 6105.

FRACTION OF BW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.9
LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 15416.570
PJ = 157.272 QJ = 55312.590 A = 2.516
SHP/ENG = 11058.6 SHP TOTAL = 88468.9
NO FAN = 93.1 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 490.8
WTFAN = 22666.8 WTGB = 3042.3 WTS = 10328.7
WT AIRU = 36037.8
WT AIRI = 45097.2 WFUEL = 7077.5 WT TIP GEAR = 2253.
WT MAIN GEAR = 50397. WT WING = 258000.
WT SYS = 54375. WT STRUCT = 308397.
TOTAL WEIGHT = 362772. DEL WT = 11389.

FRACTION OF BW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 207076.012
PJ = 202.798 QJ = 62583.568 A = 2.618
SHP/ENG = 16134.3 SHP TOTAL = 129074.1
NO FAN = 92.7 NO/SEG = 21.2 LIMIT/SEG = 12.3 VTIP = 522.2
WTFAN = 29122.7 WTGB = 3427.6 WTS = 15069.4
WT AIRU = 47614.7
WT AIRI = 59524.7 WFUEL = 10325.9 WT TIP GEAR = 3000.
WT MAIN GEAR = 47093. WT WING = 249291.
WT SYS = 72851. WT STRUCT = 298384.
TOTAL WEIGHT = 369235. DEL WT = 17852.

FRACTION OF BW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 26638.622
PJ = 222.800 QJ = 65383.386 A = 2.686

SHP/ENG = 18445.3 SHP TOTAL = 147982.7
 NO FAN = 92.5 NO/SEG = 21.1 LIMIT/SEG = 12.3 VTIP = 546.9
 WIFAN = 31862.1 WTGB = 9636.7 WTTIS = 17265.3
 WT AIRU = 52764.1
 WT AIRI = 65955.1 WFUEL = 11430.6 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 207500.
 WT SYS = 81146. WT STRUCT = 292927.
 TOTAL WEIGHT = 374672. DEL WT = 22689.

FRACTION OF GW/SIDE = .1500 CUSH MT = 98.0 GEAR MT = 109.2
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 35492.409
 PJ = 274.986 QJ = 71919.174 A = 2.972
 SHP/ENG = 25095.2 SHP TOTAL = 200761.8
 NO FAN = 91.6 NO/SEG = 20.9 LIMIT/SEG = 12.3 VTIP = 600.5
 WIFAN = 38935.4 WTGB = 9619.5 WTTIS = 23438.9
 WT AIRU = 65989.9
 WT AIRI = 83736.1 WFUEL = 16060.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 80153. WT WING = 297576.
 WT SYS = 104297. WT STRUCT = 287729.
 TOTAL WEIGHT = 392026. DEL WT = 40643.

T = 10.0 INCHES T/W = .030303
 THETA = 15.0 DEGREES NO.3 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 114.7 GEAR MT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 3136.890
 PJ = 45.652 QJ = 37702.132 A = 2.245
 SHP/ENG = 2193.2 SHP TOTAL = 17546.0
 NO FAN = 118.0 NO/SEG = 27.5 LIMIT/SEG = 12.3 VTIP = 247.7
 WIFAN = 8344.0 WTGB = 1350.7 WTTIS = 2040.5
 WT AIRU = 11943.1
 WT AIRI = 14928.9 WFUEL = 1403.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 280328.
 WT SYS = 17063. WT STRUCT = 336119.
 TOTAL WEIGHT = 353202. DEL WT = 1819.

FRACTION OF GW/SIDE = .0500 CUSH MT = 112.0 GEAR MT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 5715.422
 PJ = 90.304 QJ = 53081.527 A = 2.276
 SHP/ENG = 6093.6 SHP TOTAL = 48749.1
 NO FAN = 117.9 NO/SEG = 27.5 LIMIT/SEG = 12.3 VTIP = 340.9
 WIFAN = 16483.0 WTGB = 2617.8 WTTIS = 3691.5
 WT AIRU = 24742.3
 WT AIRI = 30990.3 WFUEL = 3899.7 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 264863.
 WT SYS = 36340. WT STRUCT = 322172.
 TOTAL WEIGHT = 358562. DEL WT = 7179.

FRACTION OF GW/SIDE = .0750 CUSH MT = 108.0 GEAR MT = 158.4
 LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 15576.818
 PJ = 133.170 QJ = 59326.681 A = 2.325
 SHP/ENG = 10890.6 SHP TOTAL = 87124.9
 NO FAN = 117.6 NO/SEG = 27.4 LIMIT/SEG = 12.3 VTIP = 423.1
 WIFAN = 24257.6 WTGB = 3203.2 WTTIS = 10171.8

WT AIRU = 37632.5
 WT AIRI = 47040.8 WFUEL = 6970.0 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 56261. WT STRUCT = 308927.
 TOTAL WEIGHT = 364658. DEL WT = 33275.

FRACTION OF GW/SIDE = .1000 CUSH MT = 102.7 GEAR MT = 745.8
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 23071.690
 PJ = 173.808 QJ = 73178.204 A = 2.395

SHP/ENG = 16171.2 SHP TOTAL = 129049.9
 NO FAN = 117.3 NO/SEG = 27.3 LIMIT/SEG = 12.3 VTIP = 482.8
 WIFAN = 31488.5 WIGB = 7601.3 WITS = 15066.4

WT AIRU = 50196.3
 WT AIRI = 62695.4 WFUEL = 10324.0 WT TIP GEAR = 3000.
 WT MAIN GEAR = 17093. WT WING = 289291.
 WT SYS = 76019. WT STRUCT = 296384.
 TOTAL WEIGHT = 372404. DEL WT = 21021.

FRACTION OF GW/SIDE = .1120 CUSH MT = 99.5 GEAR MT = 138.0
 LIFT = 157776.0 L/A = 76.613 H/W = .302 HP = 26681.222
 PJ = 191.303 QJ = 76708.931 A = 2.441
 SHP/ENG = 18655.0 SHP TOTAL = 149239.6

NO FAN = 117.0 NO/SEG = 27.3 LIMIT/SEG = 12.3 VTIP = 507.1
 WIFAN = 38569.5 WIGB = 3830.1 WITS = 17425.7

WT AIRU = 55923.3
 WT AIRI = 59904.1 WFUEL = 11939.2 WT TIP GEAR = 3360.
 WT MAIN GEAR = 45427. WT WING = 247500.
 WT SYS = 85203. WT STRUCT = 292927.
 TOTAL WEIGHT = 374130. DEL WT = 26787.

FRACTION OF GW/SIDE = .1500 CUSH MT = 88.0 GEAR MT = 109.2
 LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 37500.899
 PJ = 241.382 QJ = 95447.530 A = 2.633
 SHP/ENG = 26219.8 SHP TOTAL = 209759.8

NO FAN = 116.1 NO/SEG = 27.0 LIMIT/SEG = 12.3 VTIP = 569.7
 WIFAN = 43380.2 WIGB = 5092.7 WITS = 24489.3

WT AIRU = 72962.2
 WT AIRI = 91202.8 WFUEL = 16780.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 40153. WT WING = 247576.
 WT SYS = 112483. WT STRUCT = 268729.
 TOTAL WEIGHT = 400213. DEL WT = 48836.

T = 10.0 INCHES T/W = .030303
 THETA = 30.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 114.7 GEAR MT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 2915.077
 PJ = 43.783 QJ = 36618.453 A = 2.390

SHP/ENG = 2039.2 SHP TOTAL = 16305.3
 NO FAN = 116.4 NO/SEG = 27.2 LIMIT/SEG = 12.3 VTIP = 242.6
 WIFAN = 7917.7 WIGB = 1480.5 WITS = 1903.4

WT AIRU = 11301.8
 WT AIRI = 14127.2 WFUEL = 1304.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 280328.

WT SYS = 16182. WT STRUCT = 336119.
TOTAL WEIGHT = 352301. DEL WT = 918.

FRACTION OF SW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
LIFT = 74900.0 L/A = 31.529 H/W = .339 HP = 8083.485
PJ = 86.511 QJ = 513P1.290 A = 2.427
SHP/ENG = 5651.8 SHP TOTAL = 45219.8
NO FAN = 116.6 NO/SEG = 27.2 LIMIT/SEG = 12.3 VTIP = 341.0
WTFAN = 15619.4 WTGR = 2527.7 WTS = 5278.8
WT AIRU = 23425.9
WT AIRI = 29282.4 WFUEL = 3617.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 53309. WT WING = 258983.
WT SYS = 34400. WT STRUCT = 322172.
TOTAL WEIGHT = 356572. DEL WT = 5189.

FRACTION OF SW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 156.4
LIFT = 112350.0 L/A = 47.295 H/W = .327 HP = 14404.857
PJ = 127.372 QJ = 62201.192 A = 2.485
SHP/ENG = 10071.6 SHP TOTAL = 80572.6
NO FAN = 116.3 NO/SEG = 27.1 LIMIT/SEG = 12.3 VTIP = 413.8
WTFAN = 22939.0 WTGR = 3121.5 WTS = 9406.9
WT AIRU = 35467.4
WT AIRI = 44334.3 WFUEL = 4445.8 WT TIP GEAR = 2250.
WT MAIN GEAR = 50397. WT WING = 258000.
WT SYS = 53030. WT STRUCT = 308397.
TOTAL WEIGHT = 361427. DEL WT = 20099.

FRACTION OF SW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
LIFT = 149800.0 L/A = 63.849 H/W = .311 HP = 21252.974
PJ = 165.475 QJ = 70640.009 A = 2.569
SHP/ENG = 14859.6 SHP TOTAL = 118877.8
NO FAN = 115.9 NO/SEG = 27.0 LIMIT/SEG = 12.3 VTIP = 471.7
WTFAN = 29693.2 WTGR = 3493.5 WTS = 13878.9
WT AIRU = 47065.5
WT AIRI = 59831.9 WFUEL = 4510.2 WT TIP GEAR = 3000.
WT MAIN GEAR = 47093. WT WING = 249291.
WT SYS = 71342. WT STRUCT = 296384.
TOTAL WEIGHT = 367727. DEL WT = 16344.

FRACTION OF SW/SIDE = .1120 CUSH HT = 97.5 GEAR HT = 138.0
LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 24518.768
PJ = 182.308 QJ = 73969.811 A = 2.623
SHP/ENG = 17143.0 SHP TOTAL = 137144.1
NO FAN = 115.6 NO/SEG = 26.9 LIMIT/SEG = 12.3 VTIP = 495.1
WTFAN = 32636.1 WTGR = 3675.7 WTS = 15011.5
WT AIRU = 52323.4
WT AIRI = 65404.2 WFUEL = 10971.5 WT TIP GEAR = 3360.
WT MAIN GEAR = 45427. WT WING = 247500.
WT SYS = 74736. WT STRUCT = 292927.
TOTAL WEIGHT = 372662. DEL WT = 21279.

FRACTION OF SW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 109.2
LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 34156.645

PJ = 228.919 QJ = 82044.601 A = 2.953
 SHP/ENG = 23891.6 SHP TOTAL = 191052.9
 NO FAN = 114.5 NO/SEG = 26.6 LIMIT/SEG = 12.3 VTIP = 554.8
 WTFAN = 40573.0 WTGB = 9565.0 WTTIS = 22305.9
 WT AIRU = 67443.4
 WT AIRI = 84304.3 WFUEL = 15284.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 90153. WT WING = 287576.
 WT SYS = 104089. WT STRUCT = 287729.
 TOTAL WEIGHT = 391818. DEL WT = 40435.

T = 10.0 INCHES T/W = .030303
 THETA = 95.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
 LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 2873.582

PJ = 43.632 QJ = 36222.474 A = 2.442
 SHP/ENG = 2009.1 SHP TOTAL = 16073.2
 NO FAN = 115.7 NO/SEG = 26.9 LIMIT/SEG = 12.3 VTIP = 242.2
 WTFAN = 7818.5 WTGB = 1464.0 WTTIS = 1876.5
 WT AIRU = 11159.0
 WT AIRI = 13948.7 WFUEL = 1285.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 55791. WT WING = 290328.
 WT SYS = 15985. WT STRUCT = 336119.
 TOTAL WEIGHT = 352108. DEL WT = 721.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
 LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 7951.108

PJ = 86.100 QJ = 50790.952 A = 2.484
 SHP/ENG = 5549.2 SHP TOTAL = 44874.0
 NO FAN = 115.5 NO/SEG = 26.9 LIMIT/SEG = 12.3 VTIP = 242.2
 WTFAN = 15400.3 WTGB = 2503.1 WTTIS = 3152.3
 WT AIRU = 23095.7
 WT AIRI = 28869.6 WFUEL = 3557.9 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53309. WT WING = 268863.
 WT SYS = 33929. WT STRUCT = 322172.
 TOTAL WEIGHT = 356100. DEL WT = 4717.

FRACTION OF GW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
 LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 14122.832

PJ = 126.521 QJ = 51393.543 A = 2.550
 SHP/ENG = 9874.4 SHP TOTAL = 78995.1
 NO FAN = 115.2 NO/SEG = 26.8 LIMIT/SEG = 12.3 VTIP = 412.4
 WTFAN = 22565.4 WTGB = 3095.4 WTTIS = 9222.7
 WT AIRU = 34883.5
 WT AIRI = 43604.4 WFUEL = 6319.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 50397. WT WING = 258000.
 WT SYS = 52174. WT STRUCT = 308397.
 TOTAL WEIGHT = 360571. DEL WT = 9188.

FRACTION OF GW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
 LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 20745.637

PJ = 163.944 QJ = 59597.561 A = 2.645
 SHP/ENG = 14504.9 SHP TOTAL = 116039.3
 NO FAN = 114.7 NO/SEG = 26.7 LIMIT/SEG = 12.3 VTIP = 469.5

WTFAN = 29119.4 WTGB = 3459.2 WTS = 13547.5

WT AIRU = 46126.2

WT AIRI = 57657.7 WFUEL = 9283.1 WT TIP GEAR = 3000.

WT MAIN GEAR = 47093, WT WING = 249291.

WT SYS = 69941. WT STRUCT = 296394.

TOTAL WEIGHT = 366325. DEL WT = 14942.

FRACTION OF GW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 138.0
LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 23869.299

PJ = 180.339 QJ = 72797.064 A = 2.707

SHP/ENG = 16688.9 SHP TOTAL = 133511.3

NO FAN = 114.9 NO/SEG = 24.4 LIMIT/SEG = 12.3 VTIP = 492.4

WTFAN = 31944.7 WTGB = 3628.0 WTS = 13587.4

WT AIRU = 51160.5

WT AIRI = 53950.6 WFUEL = 10480.9 WT TIP GEAR = 3360.

WT MAIN GEAR = 45427, WT WING = 247500.

WT SYS = 77991. WT STRUCT = 292927.

TOTAL WEIGHT = 370918. DEL WT = 19535.

FRACTION OF GW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 139.2
LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 32926.247

PJ = 225.171 QJ = 90425.158 A = 2.968

SHP/ENG = 23021.3 SHP TOTAL = 184170.7

NO FAN = 113.1 NO/SEG = 26.3 LIMIT/SEG = 12.3 VTIP = 550.2

WTFAN = 39435.6 WTGB = 4397.0 WTS = 21501.7

WT AIRU = 65334.5

WT AIRI = 81663.2 WFUEL = 14733.7 WT TIP GEAR = 4500.

WT MAIN GEAR = 40153, WT WING = 247576.

WT SYS = 100902. WT STRUCT = 280729.

TOTAL WEIGHT = 388511. DEL WT = 37241.

T = 10.0 INCHES T/W = .030303

THETA = 60.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 114.7 GEAR HT = 173.4
LIFT = 37450.0 L/A = 15.762 H/W = .348 HP = 2996.203

PJ = 45.075 QJ = 36558.997 A = 2.396

SHP/ENG = 2094.9 SHP TOTAL = 16759.1

NO FAN = 114.9 NO/SEG = 26.7 LIMIT/SEG = 12.3 VTIP = 246.2

WTFAN = 8020.6 WTGB = 1497.5 WTS = 1956.6

WT AIRU = 11474.7

WT AIRI = 14343.3 WFUEL = 1340.7 WT TIP GEAR = 750.

WT MAIN GEAR = 55791, WT WING = 280328.

WT SYS = 16434. WT STRUCT = 336119.

TOTAL WEIGHT = 352553. DEL WT = 1170.

FRACTION OF GW/SIDE = .0500 CUSH HT = 112.0 GEAR HT = 167.5
LIFT = 74900.0 L/A = 31.524 H/W = .339 HP = 8269.196

PJ = 88.906 QJ = 51213.304 A = 2.442

SHP/ENG = 5781.6 SHP TOTAL = 46253.2

NO FAN = 114.7 NO/SEG = 26.7 LIMIT/SEG = 12.3 VTIP = 345.5

WTFAN = 15770.5 WTGB = 2541.1 WTS = 5400.1

WT AIRU = 23711.6

WT AIRI = 29639.5 WFUEL = 3700.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 53309. WT WING = 248863.
WT SYS = 34840. WT STRUCT = 322172.
TOTAL WEIGHT = 357012. DEL WT = 5629.

FRACTION OF BW/SIDE = .0750 CUSH HT = 108.0 GEAR HT = 158.4
LIFT = 112350.0 L/A = 47.285 H/W = .327 HP = 14631.694
PJ = 130.188 QJ = 61814.127 A = 2.514
SHP/ENG = 10230.2 SHP TOTAL = 81841.4
NO FAN = 119.3 NO/SEG = 26.6 LIMIT/SEG = 12.3 VTIP = 418.8
WTFAN = 23046.9 WTGR = 3123.0 WTS = 9555.0
WT AIRU = 35724.9
WT AIRI = 44656.1 WFUEL = 4587.3 WT TIP GEAR = 2251.

WT MAIN GEAR = 50397. WT WING = 258000.
WT SYS = 53453. WT STRUCT = 308397.
TOTAL WEIGHT = 361850. DEL WT = 10867.

FRACTION OF BW/SIDE = .1000 CUSH HT = 102.7 GEAR HT = 145.5
LIFT = 149800.0 L/A = 63.047 H/W = .311 HP = 21383.014
PJ = 168.162 QJ = 69936.543 A = 2.618
SHP/ENG = 14950.6 SHP TOTAL = 119604.4
NO FAN = 113.8 NO/SEG = 26.5 LIMIT/SEG = 12.3 VTIP = 475.5
WTFAN = 29635.2 WTGR = 3486.5 WTS = 13963.8
WT AIRU = 47085.5

WT AIRI = 58856.8 WFUEL = 9568.4 WT TIP GEAR = 3000.
WT MAIN GEAR = 47093. WT WING = 249291.
WT SYS = 71425. WT STRUCT = 296384.
TOTAL WEIGHT = 367810. DEL WT = 16427.

FRACTION OF BW/SIDE = .1120 CUSH HT = 99.5 GEAR HT = 108.0
LIFT = 167776.0 L/A = 70.613 H/W = .302 HP = 24523.652
PJ = 184.623 QJ = 73062.982 A = 2.684
SHP/ENG = 17147.8 SHP TOTAL = 137182.6
NO FAN = 113.5 NO/SEG = 26.4 LIMIT/SEG = 12.3 VTIP = 498.2
WTFAN = 32440.4 WTGR = 3461.9 WTS = 14016.1
WT AIRU = 52117.9
WT AIRI = 65147.4 WFUEL = 10974.6 WT TIP GEAR = 3560.
WT MAIN GEAR = 45427. WT WING = 247500.
WT SYS = 79482. WT STRUCT = 292927.
TOTAL WEIGHT = 372409. DEL WT = 21026.

FRACTION OF BW/SIDE = .1500 CUSH HT = 88.0 GEAR HT = 109.2
LIFT = 224700.0 L/A = 94.571 H/W = .267 HP = 33446.637
PJ = 228.929 QJ = 80355.194 A = 2.972
SHP/ENG = 23345.2 SHP TOTAL = 187081.5
NO FAN = 112.1 NO/SEG = 26.0 LIMIT/SEG = 12.3 VTIP = 554.8
WTFAN = 39728.7 WTGR = 4453.8 WTS = 21841.8
WT AIRU = 56024.3
WT AIRI = 82530.4 WFUEL = 14966.5 WT TIP GEAR = 4500.
WT MAIN GEAR = 40153. WT WING = 247576.
WT SYS = 101497. WT STRUCT = 287729.
TOTAL WEIGHT = 389726. DEL WT = 38343.

DOVRS 000000 FP0F 000000 FPUF 000000 ERMD 000000

SELT. 1.250

ELT017 RL1870 10/17-13:34:29-10.)

000001	000	1498000.	2970.	3.928	330.		
000002	000	060509060450			502 SEMISPAN		
000003	000	.025	.050	.075	.10	.127	.15
000004	000	124.8	122.3	118.5	113.2	105.8	100.5
000005	000	2.	8.	5.	8.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	.075	.10	.127	.15
000008	000	174.5	170.	162.8	152.5	138.0	124.0
000009	000	.025	.050	.075	.10	.127	.15
000010	000	28250.	272047.	262400.	253831.	251700.	243857.

END ELT. 1.250

TASK UNITS: 0 PGM SIZE: 6144

3X0T

GW = 1496000.000 LBS CUSHION AREA = 2970.0 SQUARE FEET
 SWEEP = 40.0 DEGREES L/W = 3.927 W = 330.0 INCHES
 T = 2.0 INCHES I/W = .006061
 THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 60386008
 PJ = 179.831 QJ = 14456.979 A = 2.215
 SHP/ENG = 4221.7 SHP TOTAL = 33773.4
 NO FAN = 29.1 NO/SEG = 5.3 LIMIT/SEG = 15.4 VTIP = 491.7
 JIFAN = 9092.2 WTGB = 1513.9 WITS = 3943.0
 WT AIRU = 13549.2
 WT AIRI = 16936.5 WFUEL = 12701.9 WT TIP GEAR = 730.0
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 20388. WT STRUCT = 338496.
 TOTAL WEIGHT = 358185. DEL WT = 7502.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.5 GEAR HT = 170.0
 LIFT = 71900.0 L/A = 25.219 H/W = .371 HP = 167936993
 PJ = 355.709 QJ = 25957.003 A = 2.241
 SHP/ENG = 11742.0 SHP TOTAL = 93936.1
 NO FAN = 29.1 NO/SEG = 5.3 LIMIT/SEG = 15.4 VTIP = 491.5
 JIFAN = 15003.3 WTGB = 2403.4 WITS = 10967.0
 WT AIRU = 29373.7
 WT AIRI = 36717.2 WFUEL = 7514.9 WT TIP GEAR = 1500.0
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 45732. WT STRUCT = 325797.
 TOTAL WEIGHT = 371529. DEL WT = 20146.

FRACTION OF GW/SIDE = .0750 CUSH HT = 119.5 GEAR HT = 162.5
 LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 30668319
 PJ = 524.596 QJ = 31524.411 A = 2.280
 SHP/ENG = 21023.1 SHP TOTAL = 168185.1
 NO FAN = 29.0 NO/SEG = 5.3 LIMIT/SEG = 15.4 VTIP = 839.8
 JIFAN = 23593.9 WTGB = 3210.6 WITS = 19435.8
 WT AIRU = 45440.1
 WT AIRI = 58050.1 WFUEL = 13454.8 WT TIP GEAR = 2250.0
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 73755. WT STRUCT = 313516.
 TOTAL WEIGHT = 387271. DEL WT = 75898.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 44492.370
 PJ = 481.433 QJ = 34910.820 A = 2.343
 SHP/ENG = 32100.1 SHP TOTAL = 246865.1
 NO FAN = 29.0 NO/SEG = 5.3 LIMIT/SEG = 15.4 VTIP = 997.3
 JIFAN = 30532.1 WTGB = 5111.2 WITS = 29055.0
 WT AIRU = 44798.3
 WT AIRI = 50997.9 WFUEL = 19904.2 WT TIP GEAR = 3000.0
 WT MAIN GEAR = 48126. WT WING = 253831.
 WT SYS = 103907. WT STRUCT = 301957.
 TOTAL WEIGHT = 405865. DEL WT = 54461.

FRACTION OF GW/SIDE = .0270 CUSH HT = 125.8 GEAR HT = 138.0
 LIFT = 190246.0 L/A = 64.056 M/W = .321 HP = 50937.321
 PJ = 832.542 QJ = 39662.309 A = 2.439
 SHP/ENG = 41976.8 SHP TOTAL = 335814.7
 NO FAN = 29.0 NO/SEG = 5.3 LIMIT/SEG = 15.4 VTIP = 1058.0
 W/FAN = 37395.6 W/TGR = 9571.6 W/TIS = 39206.4
 WT AIRU = 94173.6
 WT AIRI = 107717.0 WFUEL = 26865.2 WT TIP GEAR = 5819.
 WT MAIN GEAR = 84659. WT WING = 251700.
 WT SYS = 134392. WT STRUCT = 204359.
 TOTAL WEIGHT = 434751. DEL WT = 83368.

FRACTION OF GW/SIDE = .0250 CUSH HT = 120.5 GEAR HT = 128.0
 LIFT = 224700.0 L/A = 75.657 M/W = .305 HP = 73615.452
 PJ = 958.158 QJ = 82433.753 A = 2.517
 SHP/ENG = 51470.4 SHP TOTAL = 411763.1
 NO FAN = 29.0 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1132.6
 W/FAN = 82431.7 W/TGR = 14359.6 W/TIS = 48073.3
 WT AIRU = 107264.2
 WT AIRI = 134080.3 WFUEL = 32945.0 WT TIP GEAR = 4503.
 WT MAIN GEAR = 92061. WT WING = 283857.
 WT SYS = 171521. WT STRUCT = 285958.
 TOTAL WEIGHT = 957379. DEL WT = 105996.

T = 2.0 INCHES T/W = .006061
 THETA = 30.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 M/W = .378 HP = 55311.057
 PJ = 149.837 QJ = 187911.761 A = 2.385
 SHP/ENG = 3867.2 SHP TOTAL = 30937.5
 NO FAN = 29.0 NO/SEG = 5.3 LIMIT/SEG = 15.4 VTIP = 477.8
 W/FAN = 7527.7 W/TGR = 1442.8 W/TIS = 3612.0
 WT AIRU = 12682.5
 WT AIRI = 15853.1 WFUEL = 2475.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 19078. WT STRUCT = 338496.
 TOTAL WEIGHT = 357574. DEL WT = 6191.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 29.219 M/W = .371 HP = 15553.287
 PJ = 335.505 QJ = 25148.924 A = 2.385
 SHP/ENG = 10729.7 SHP TOTAL = 85977.6
 NO FAN = 29.0 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 671.6
 W/FAN = 15044.4 W/TGR = 2320.4 W/TIS = 10226.2
 WT AIRU = 27421.1
 WT AIRI = 34263.9 WFUEL = 6870.2 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 42434. WT STRUCT = 325727.
 TOTAL WEIGHT = 368431. DEL WT = 17048.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.0
 LIFT = 112350.0 L/A = 37.828 M/W = .359 HP = 27406.501
 PJ = 493.831 QJ = 30521.724 A = 2.432

SHP/ENG = 39142.1 SHP TOTAL = 153296.4
NO FAN = 29.0 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 814.8
WTFAN = 22165.0 WTGB = 3009.7 WTS = 17897.4
WT AIRU = 43072.0

WT AIRI = 53840.0 WFUEL = 12263.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 51116. WT WING = 262400.
WT SYS = 68334. WT STRUCT = 31351.6.
TOTAL WEIGHT = 381870. DEL WT = 30487.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 157.5
LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 40371.485
PJ = 639.590 QJ = 397.6.499 A = 2.507

SHP/ENG = 28226.9 SHP TOTAL = 225813.2
NO FAN = 29.0 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 927.3
WTFAN = 28589.7 WTGB = 4391.9 WTS = 26363.2
WT AIRU = 59445.5
WT AIRI = 74304.9 WFUEL = 18065.2 WT TIP GEAR = 3000.
WT MAIN GEAR = 88126. WT WING = 253031.
WT SYS = 95372. WT STRUCT = 301957.
TOTAL WEIGHT = 397330. DEL WT = 45547.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
LIFT = 190246.0 L/A = 60.056 H/W = .321 HP = 54128.061

PJ = 778.160 QJ = 38257.413 A = 2.622
SHP/ENG = 37845.2 SHP TOTAL = 302761.3
NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1022.8
WTFAN = 34873.1 WTGB = 7506.6 WTS = 35347.4
WT AIRU = 77727.0
WT AIRI = 97158.8 WFUEL = 24220.9 WT TIP GEAR = 3810.
WT MAIN GEAR = 94659. WT WING = 251700.
WT SYS = 125190. WT STRUCT = 296339.
TOTAL WEIGHT = 421549. DEL WT = 70166.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 66052.813

PJ = 849.064 QJ = 40862.147 A = 2.714
SHP/ENG = 46142.7 SHP TOTAL = 369452.0
NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1093.3
WTFAN = 39813.3 WTGB = 12194.5 WTS = 43134.7
WT AIRU = 95192.5
WT AIRI = 118928.1 WFUEL = 29557.0 WT TIP GEAR = 4500.
WT MAIN GEAR = 92001. WT WING = 243857.
WT SYS = 152985. WT STRUCT = 285858.
TOTAL WEIGHT = 434443. DEL WT = 87460.

T = 2.0 INCHES T/W = .006061
THETA = 45.0 DEGREES 508 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 5388.671

PJ = 167.095 QJ = 17737.023 A = 2.401
SHP/ENG = 3767.6 SHP TOTAL = 30141.2
NO FAN = 29.0 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 874.0
WTFAN = 7492.1 WTGB = 1421.6 WTS = 3519.2

WT AIRU = 12032.7
 WT AIRI = 15540.9 WFUEL = 2411.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 5596. WT WING = 242500.
 WT SYS = 18722. WT STRUCT = 338096.
 TOTAL WEIGHT = 357199. DEL WT = 5816.

FRACTION OF SW/SIDE = .0500 CUSH WT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 14925.928
 PJ = 320.628 QJ = 24004.058 A = 2.136
 SHP/ENG = 10435.9 SHP TOTAL = 83487.2
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 665.7
 WIFAN = 18775.3 WIGH = 2294.2 WITS = 9787.1

WT AIRU = 26816.6
 WT AIRI = 33520.7 WFUEL = 6679.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272087.
 WT SYS = 41700. WT STRUCT = 325797.
 TOTAL WEIGHT = 367497. DEL WT = 16114.

FRACTION OF SW/SIDE = .0750 CUSH WT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.928 H/W = .359 HP = 26557.685
 PJ = 484.147 QJ = 30169.985 A = 2.490
 SHP/ENG = 18548.5 SHP TOTAL = 148548.4
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 806.8
 WIFAN = 21692.2 WIGH = 2951.4 WITS = 17391.0

WT AIRU = 41986.6
 WT AIRI = 52483.3 WFUEL = 11483.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 66617. WT STRUCT = 313516.
 TOTAL WEIGHT = 380133. DEL WT = 28750.

FRACTION OF SW/SIDE = .1000 CUSH WT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 38932.705
 PJ = 625.067 QJ = 34257.098 A = 2.575
 SHP/ENG = 27270.9 SHP TOTAL = 217767.5
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 918.7
 WIFAN = 27986.8 WIGH = 4177.2 WITS = 25424.4

WT AIRU = 57589.4
 WT AIRI = 71985.4 WFUEL = 17421.4 WT TIP GEAR = 3000.
 WT MAIN GEAR = 48126. WT WING = 253831.
 WT SYS = 92407. WT STRUCT = 301957.
 TOTAL WEIGHT = 394964. DEL WT = 42481.

FRACTION OF SW/SIDE = .1270 CUSH WT = 105.8 GEAR HT = 138.0
 LIFT = 190246.0 L/A = 64.755 H/W = .321 HP = 51443.541
 PJ = 757.101 QJ = 37462.034 A = 2.715
 SHP/ENG = 36247.9 SHP TOTAL = 284983.4
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1008.9
 WIFAN = 33862.6 WIGH = 4834.3 WITS = 33455.4

WT AIRU = 74542.5
 WT AIRI = 93190.6 WFUEL = 23199.7 WT TIP GEAR = 3810.
 WT MAIN GEAR = 44659. WT WING = 251700.
 WT SYS = 120199. WT STRUCT = 246359.
 TOTAL WEIGHT = 4165596 DEL WT = 65176.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 M/W = .305 HP = 62946.225
 PJ = 942.153 QJ = 90155.770 A = 2.811
 SHP/ENG = 44010.7 SHP TOTAL = 352085.5
 NO FAN = 29.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1076.6
 WTEAM = 39528.3 WTGR = 10761.1 WTS = 91106.0
 WT AIRU = 90395.4
 WT AIRI = 112994.2 WFUEL = 28164.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 42001. WT WING = 293857.
 WT SYS = 145661. WT STRUCT = 285858.
 TOTAL WEIGHT = 431519. DEL WT = 40136.

T = 2.0 INCHES T/W = .006061
 THETA = 60.2 DEGREES 503 SECTSPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.6 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 M/W = .378 HP = 5573.556
 PJ = 171.041 QJ = 17922.304 A = 2.352
 SHP/ENG = 3896.9 SHP TOTAL = 31175.3
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 479.5
 WTEAM = 7659.2 WTGR = 2447.8 WTS = 3639.7
 WT AIRU = 12746.7
 WT AIRI = 15933.4 WFUEL = 2494.0 WT TIP GEAR = 753.
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 19177. WT STRUCT = 338096.
 TOTAL WEIGHT = 357674. DEL WT = 6291.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 M/W = .371 HP = 10900.478
 PJ = 336.970 QJ = 25144.377 A = 2.389
 SHP/ENG = 10767.8 SHP TOTAL = 86172.8
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 673.0
 WTEAM = 15080.4 WTGR = 2321.7 WTS = 10057.2
 WT AIRU = 27459.3
 WT AIRI = 34324.1 WFUEL = 6891.9 WT TIP GEAR = 1503.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 42716. WT STRUCT = 325797.
 TOTAL WEIGHT = 368513. DEL WT = 17130.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.828 M/W = .359 HP = 27303.240
 PJ = 493.609 QJ = 30422.425 A = 2.498
 SHP/ENG = 19099.9 SHP TOTAL = 152718.8
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 814.6
 WTEAM = 22055.4 WTGR = 3001.0 WTS = 17829.9
 WT AIRU = 42917.3
 WT AIRI = 53546.7 WFUEL = 12217.5 WT TIP GEAR = 2253.
 WT MAIN GEAR = 51116. WT WING = 252400.
 WT SYS = 64114. WT STRUCT = 313516.
 TOTAL WEIGHT = 381630. DEL WT = 30247.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 M/W = .343 HP = 39810.730

PJ = 635.227 QJ = 39406.271 A = 2.591
 SHP/ENG = 27874.8 SHP TOTAL = 222678.6
 NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 924.0
 WTEAN = 28392.7 WTGR = 8308.3 WTS = 25997.7
 WT AIRU = 58694.7
 WT AIRI = 73366.4 WFUEL = 17814.3 WT TIP GEAR = 3000.
 WT MAIN GEAR = 98126. WT WING = 253831.
 WT SYS = 98183. WT STRUCT = 301957.
 TOTAL WEIGHT = 396140. DEL WT = 84757.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
 LIFT = 190296.0 L/A = 48.254 W/D = .321 HP = 52413.289
 PJ = 763.346 QJ = 57809.437 A = 2.684
 SHP/ENG = 36796.1 SHP TOTAL = 294288.9
 NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1014.8
 WTEAN = 34179.8 WTGR = 7050.3 WTS = 34358.2
 WT AIRU = 75588.3
 WT AIRI = 94495.8 WFUEL = 23583.1 WT TIP GEAR = 3813.
 WT MAIN GEAR = 94659. WT WING = 251700.
 WT SYS = 121839. WT STRUCT = 296359.
 TOTAL WEIGHT = 818198. DEL WT = 46815.

FRACTION OF GW/SIDE = .1250 CUSH HT = 100.5 GEAR HT = 186.0
 LIFT = 224700.0 L/A = 75.457 W/D = .389 HP = 63527.231
 PJ = 868.370 QJ = 40236.267 A = 2.799
 SHP/ENG = 48816.9 SHP TOTAL = 355335.3
 NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 1080.5
 WTEAN = 38744.5 WTGR = 11012.4 WTS = 41495.4
 WT AIRU = 91242.3
 WT AIRI = 114092.4 WFUEL = 28024.5 WT TIP GEAR = 4507.
 WT MAIN GEAR = 92001. WT WING = 243857.
 WT SYS = 146980. WT STRUCT = 285858.
 TOTAL WEIGHT = 432838. DEL WT = 31455.

T = 4.0 INCHES T/W = .012121
 THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 W/D = .378 HP = 4356.291
 PJ = 91.747 QJ = 24114.948 A = 2.215
 SHP/ENG = 5045.8 SHP TOTAL = 20366.5
 NO FAN = 57.5 NO/SEG = 12.4 LIMIT/SEG = 15.4 VTIP = 391.2
 WTEAN = 8173.8 WTGR = 7521.8 WTS = 2888.8
 WT AIRU = 12540.5
 WT AIRI = 15675.4 WFUEL = 1949.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 292500.
 WT SYS = 18375. WT STRUCT = 334426.
 TOTAL WEIGHT = 356871. DEL WT = 5488.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.210 W/D = .371 HP = 12121.380
 PJ = 181.552 QJ = 36720.961 A = 2.201
 SHP/ENG = 8475.0 SHP TOTAL = 67800.1
 NO FAN = 57.5 NO/SEG = 12.4 LIMIT/SEG = 15.4 VTIP = 494.0

WT FAN = 15167.9 WTGR = 2478.1 WTTS = 7915.7

WT AIRU = 26561.7

WT AIRI = 33202.1 WFUEL = 5424.0 WT TIP GEAR = 1500.

WT MAIN GEAR = 53750. WT WING = 272047.

WT SYS = 40126. WT STRUCT = 325707.

TOTAL WEIGHT = 365923. DEL WT = 14540.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8

LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 21716.211

PJ = 267.922 QJ = 44579.749 A = 2.280

SHP/ENG = 15183.5 SHP TOTAL = 121468.2

NO FAN = 57.5 NO/SEG = 12.4 LIMIT/SEG = 15.4 VTIP = 622.2

WT FAN = 23844.2 WTGR = 3057.8 WTTS = 14181.172

WT AIRU = 41063.4

WT AIRI = 51329.2 WFUEL = 9717.5 WT TIP GEAR = 2250.

WT MAIN GEAR = 11116. WT WING = 262400.

WT SYS = 63297. WT STRUCT = 313516.

TOTAL WEIGHT = 376813. DEL WT = 25430.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5

LIFT = 147800.0 L/A = 50.438 H/W = .343 HP = 32166.618

PJ = 348.374 QJ = 50792.452 A = 2.343

SHP/ENG = 22489.4 SHP TOTAL = 179918.5

NO FAN = 57.4 NO/SEG = 12.4 LIMIT/SEG = 15.4 VTIP = 684.4

WT FAN = 30972.5 WTGR = 3799.9 WTTS = 21005.5

WT AIRU = 55777.9

WT AIRI = 59722.4 WFUEL = 14393.5 WT TIP GEAR = 3000.

WT MAIN GEAR = 48126. WT WING = 253831.

WT SYS = 87116. WT STRUCT = 301957.

TOTAL WEIGHT = 389773. DEL WT = 31490.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0

LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 43471.397

PJ = 425.269 QJ = 56097.029 A = 2.439

SHP/ENG = 30394.3 SHP TOTAL = 243154.3

NO FAN = 57.3 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 757.0

WT FAN = 37840.3 WTGR = 5550.9 WTTS = 28388.3

WT AIRU = 71779.4

WT AIRI = 89724.3 WFUEL = 19452.3 WT TIP GEAR = 3810.

WT MAIN GEAR = 49559. WT WING = 251700.

WT SYS = 112987. WT STRUCT = 276589.

TOTAL WEIGHT = 409346. DEL WT = 57963.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0

LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 53369.339

PJ = 489.172 QJ = 60035.721 A = 2.517

SHP/ENG = 37314.7 SHP TOTAL = 298517.8

NO FAN = 57.3 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 811.0

WT FAN = 43367.4 WTGR = 4372.5 WTTS = 34452.0

WT AIRU = 86591.9

WT AIRI = 108239.4 WFUEL = 23481.4 WT TIP GEAR = 4500.

WT MAIN GEAR = 42001. WT WING = 243857.

WT SYS = 136621. WT STRUCT = 285958.

TOTAL WEIGHT = 422179. DEL WT = 71096.

T = 9.0 INCHES 1/W = .012121
 THETA = 30.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .7250 CUSH MT = 124.9 GEAR MT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 4005.847
 PJ = 86.993 QJ = 25329.231 A = 2.359
 SHP/ENG = 2900.8 SHP TOTAL = 22406.4
 NO FAN = 57.3 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 342.0
 JTFAN = 7719.3 WTGR = 1449.6 WITS = 2516.0
 WT AIRU = 11784.9
 WT AIRI = 14731.0 WFUEL = 1782.5 WT TIP GEAR = 750
 WT MAIN GEAR = 55996.0 WT WING = 282500.0
 WT SYS = 17274.0 WT STRUCT = 338496.0
 TOTAL WEIGHT = 355770.0 DEL WT = 4387.

FRACTION OF GW/SIDE = .7500 CUSH MT = 122.3 GEAR MT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 11120.990
 PJ = 171.916 QJ = 35591.574 A = 2.385
 SHP/ENG = 7778.4 SHP TOTAL = 62224.9
 NO FAN = 57.3 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 480.8
 JTFAN = 15249.1 WTGR = 2395.4 WITS = 7265.0
 WT AIRU = 24009.5
 WT AIRI = 31135.9 WFUEL = 4978.2 WT TIP GEAR = 1500
 WT MAIN GEAR = 53750.0 WT WING = 272047.0
 WT SYS = 37415.0 WT STRUCT = 325797.0
 TOTAL WEIGHT = 363412.0 DEL WT = 12029.

FRACTION OF GW/SIDE = .7500 CUSH MT = 118.4 GEAR MT = 142.0
 LIFT = 112350.0 L/A = 57.828 H/W = .359 HP = 19873.826
 PJ = 253.236 QJ = 43163.639 A = 2.432
 SHP/ENG = 13855.4 SHP TOTAL = 111152.9
 NO FAN = 57.2 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 583.5
 JTFAN = 22445.1 WTGR = 2938.1 WITS = 12278.3
 WT AIRU = 33361.5
 WT AIRI = 47951.8 WFUEL = 8893.0 WT TIP GEAR = 2250
 WT MAIN GEAR = 51110.0 WT WING = 262400.0
 WT SYS = 59095.0 WT STRUCT = 313516.0
 TOTAL WEIGHT = 372611.0 DEL WT = 21228.

FRACTION OF GW/SIDE = .7000 CUSH MT = 113.2 GEAR MT = 152.9
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 29310.418
 PJ = 328.374 QJ = 49092.255 A = 2.507
 SHP/ENG = 20493.2 SHP TOTAL = 163945.8
 NO FAN = 57.2 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 644.8
 JTFAN = 29049.6 WTGR = 7532.9 WITS = 19140.7
 WT AIRU = 51743.2
 WT AIRI = 54678.2 WFUEL = 13115.7 WT TIP GEAR = 3000
 WT MAIN GEAR = 48120.0 WT WING = 253831.0
 WT SYS = 80795.0 WT STRUCT = 301957.0
 TOTAL WEIGHT = 382752.0 DEL WT = 71349.

FRACTION OF GW/SIDE = .7270 CUSH MT = 105.8 GEAR MT = 138.0

LIFT = 290246.0 L/A = 64.055 H/W = .321 HP = 39370.092
 PJ = 400.260 QJ = 54098.718 A = 2.622
 SHP/ENG = 27526.7 SHP TOTAL = 220214.0
 NO FAN = 57.1 NO/SEG = 12.3 LIMIT/SEG = 15.9 VTIP = 733.6
 WTFAN = 35367.0 WTGR = 8759.4 WTS = 25710.0
 WT AIRU = 65835.4
 WT AIRI = 82294.3 WFUEL = 17617.1 WT TIP GEAR = 381.0
 WT MAIN GEAR = 44659. WT WING = 251700.
 WT SYS = 103721. WT STRUCT = 296359.
 TOTAL WEIGHT = 400281. DEL WT = 48698.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 48110.859
 PJ = 457.987 QJ = 57781.398 A = 2.714
 SHP/ENG = 33400.9 SHP TOTAL = 269126.9
 NO FAN = 57.0 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 784.7
 WTFAN = 40406.8 WTGR = 6691.4 WTS = 31020.6
 WT AIRU = 74518.8
 WT AIRI = 98149.5 WFUEL = 21530.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 92001. WT WING = 213857.
 WT SYS = 124179. WT STRUCT = 285858.
 TOTAL WEIGHT = 420337. DEL WT = 59654.

Y = 4.0 INCHES I/W = .012121

THETA = 45.0 DEGREES

50% SERISPM

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .370 HP = 3915.588
 PJ = 85.863 QJ = 25081.585 A = 2.471
 SHP/ENG = 2737.7 SHP TOTAL = 21907.7
 NO FAN = 57.1 NO/SEG = 12.3 LIMIT/SEG = 15.9 VTIP = 339.8
 WTFAN = 7594.5 WTGR = 1429.4 WTS = 257.9
 WT AIRU = 11580.9
 WT AIRI = 14476.1 WFUEL = 1752.1 WT TIP GEAR = 753.
 WT MAIN GEAR = 75996. WT WING = 202500.
 WT SYS = 16978. WT STRUCT = 338496.
 TOTAL WEIGHT = 355475. DEL WT = 4092.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 10851.687
 PJ = 169.473 QJ = 35217.310 A = 2.495
 SHP/ENG = 7597.3 SHP TOTAL = 60698.2
 NO FAN = 57.1 NO/SEG = 12.3 LIMIT/SEG = 15.4 VTIP = 477.3
 WTFAN = 14991.3 WTGR = 2349.9 WTS = 7066.5
 WT AIRU = 24437.7
 WT AIRI = 37547.2 WFUEL = 9855.9 WT TIP GEAR = 1503.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 36903. WT STRUCT = 325797.
 TOTAL WEIGHT = 362700. DEL WT = 11317.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 14725.884
 PJ = 249.136 QJ = 42662.415 A = 2.490
 SHP/ENG = 13511.7 SHP TOTAL = 106093.2

NO FAN = 57.0 NO/SEG = 12.3 LIMIT/SEG = 15.4 VIIP = 578.7

WTFAN = 22004.1 WTGB = 2907.4 WTS = 12619.9

WT AIRU = 37531.4

WT AIRI = 86919.2 WFUEL = 8687.9 WT TIP GEAR = 2250.

WT MAIN GEAR = 51116. WT WING = 252400.

WT SYS = 57812. WT STRUCT = 313516.

TOTAL WEIGHT = 371328. DEL WT = 19245.

FRACTION OF SW/SIDE = .2000 CUSH HT = 113.2 GEAR HT = 152.5

LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 28368.424

PJ = 322.093 QJ = 86441.363 A = 2.575

SHP/ENG = 19878.6 SHP TOTAL = 158676.9

NO FAN = 57.0 NO/SEG = 12.3 LIMIT/SEG = 15.4 VIIP = 578.7

WTFAN = 28608.4 WTGB = 3458.8 WTS = 18525.5

WT AIRU = 50389.4

WT AIRI = 62986.0 WFUEL = 12694.1 WT TIP GEAR = 3000.

WT MAIN GEAR = 48126. WT WING = 253831.

WT SYS = 78580. WT STRUCT = 301957.

TOTAL WEIGHT = 380638. DEL WT = 29255.

FRACTION OF SW/SIDE = .2270 CUSH HT = 105.8 GEAR HT = 138.0

LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 37854.814

PJ = 396.250 QJ = 53255.241 A = 2.705

SHP/ENG = 26467.3 SHP TOTAL = 212738.401

NO FAN = 56.8 NO/SEG = 12.2 LIMIT/SEG = 15.4 VIIP = 725.0

WTFAN = 34409.3 WTGB = 4511.8 WTS = 24720.2

WT AIRU = 53640.5

WT AIRI = 79550.7 WFUEL = 16439.1 WT TIP GEAR = 3810.

WT MAIN GEAR = 78559. WT WING = 251700.

WT SYS = 190300. WT STRUCT = 296774.

TOTAL WEIGHT = 396659. DEL WT = 45276.

FRACTION OF SW/SIDE = .2500 CUSH HT = 100.5 GEAR HT = 126.0

LIFT = 224700.0 L/A = 75.457 H/W = .325 HP = 46239.018

PJ = 445.952 QJ = 56780.649 A = 2.811

SHP/ENG = 32199.5 SHP TOTAL = 257516.3

NO FAN = 56.7 NO/SEG = 12.2 LIMIT/SEG = 15.4 VIIP = 771.2

WTFAN = 39181.8 WTGB = 5137.4 WTS = 30065.0

WT AIRU = 75384.8

WT AIRI = 94231.0 WFUEL = 20601.3 WT TIP GEAR = 4500.

WT MAIN GEAR = 42008. WT WING = 245897.

WT SYS = 119332. WT STRUCT = 285858.

TOTAL WEIGHT = 405190. DEL WT = 53907.

T = 4.0 INCHES T/W = .012121

THETA = 40.0 DEGREES 50% SEMISPAN

FRACTION OF SW/SIDE = .2250 CUSH HT = 124.8 GEAR HT = 174.2

LIFT = 37410.0 L/A = 12.604 H/W = .374 HP = 4066.156

PJ = 88.114 QJ = 25343.134 A = 2.352

SHP/ENG = 2878.8 SHP TOTAL = 22716.2

NO FAN = 57.0 NO/SEG = 12.2 LIMIT/SEG = 15.4 VIIP = 384.2

WTFAN = 7773.6 WTGB = 1498.4 WTS = 2551.4

WT AIRU = 11883.4

WT AIRI = 14954.3 WFUEL = 1816.8 WT TIP GEAR = 750.

WT MAIN GEAR = 55996. WT WING = 282500.

WT SYS = 17421. WT STRUCT = 338496.

TOTAL WEIGHT = 355917. DEL WT = 4534.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0

LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 11225.702

PJ = 173.648 QJ = 35555.404 A = 2.389

SHP/ENG = 7948.8 SHP TOTAL = 62790.2

NO FAN = 56.9 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 483.2

WT FAN = 15310.2 WTGR = 2400.3 WTS = 7330.8

WT AIRU = 25041.3

WT AIRI = 31301.6 WFUEL = 5023.2 WT TIP GEAR = 1580.

WT MAIN GEAR = 53750. WT WING = 272047.

WT SYS = 37825. WT STRUCT = 325777.

TOTAL WEIGHT = 363522. DEL WT = 12239.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8

LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 19920.301

PJ = 254.685 QJ = 13018.495 A = 2.448

SHP/ENG = 13927.9 SHP TOTAL = 111422.9

NO FAN = 56.9 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 585.2

WT FAN = 22433.5 WTGR = 2936.6 WTS = 13008.5

WT AIRU = 38378.9

WT AIRI = 47973.6 WFUEL = 8913.8 WT TIP GEAR = 2250.

WT MAIN GEAR = 51116. WT WING = 262400.

WT SYS = 59137. WT STRUCT = 513516.

TOTAL WEIGHT = 372654. DEL WT = 21271.

FRACTION OF GW/SIDE = .1000 CUSH HT = 115.2 GEAR HT = 152.5

LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 29088.836

PJ = 328.142 QJ = 48755.868 A = 2.541

SHP/ENG = 20378.3 SHP TOTAL = 162706.4

NO FAN = 56.8 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 664.2

WT FAN = 28860.1 WTGR = 3510.5 WTS = 18996.0

WT AIRU = 51366.6

WT AIRI = 54208.2 WFUEL = 13016.5 WT TIP GEAR = 3000.

WT MAIN GEAR = 48126. WT WING = 253831.

WT SYS = 80225. WT STRUCT = 301957.

TOTAL WEIGHT = 382182. DEL WT = 30799.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0

LIFT = 190244.0 L/A = 64.056 H/W = .321 HP = 39531.029

PJ = 394.392 QJ = 53452.343 A = 2.684

SHP/ENG = 25940.1 SHP TOTAL = 215520.7

NO FAN = 56.7 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 730.0

WT FAN = 34781.7 WTGR = 4614.9 WTS = 25162.0

WT AIRU = 44558.6

WT AIRI = 80698.3 WFUEL = 17241.7 WT TIP GEAR = 3810.

WT MAIN GEAR = 44659. WT WING = 251700.

WT SYS = 101750. WT STRUCT = 296359.

TOTAL WEIGHT = 398109. DEL WT = 46726.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 95609.224
 PJ = 450.585 QJ = 56892.897 A = 2.799
 SHP/ENG = 32588.2 SHP TOTAL = 260705.6
 NO FAN = 56.6 NO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 778.3
 WTFAN = 39462.7 WTGB = 4278.6 WITS = 30437.4
 WT AIRU = 76179.4
 WT AIRI = 95223.3 WFUEL = 20856.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 42001. WT WING = 283857.
 WT SYS = 120580. WT STRUCT = 285858.
 TOTAL WEIGHT = 406438. DEL WT = 55055.

WING CHORD = 6.0 INCHES WING T/W = .018182
 THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 3628.978
 PJ = 62.409 QJ = 31981.433 A = 2.215
 SHP/ENG = 2537.3 SHP TOTAL = 20298.4
 NO FAN = 85.4 NO/SEG = 19.4 LIMIT/SEG = 15.4 VTIP = 289.7
 WTFAN = 8255.9 WTGB = 1535.2 WITS = 2369.4
 WT AIRU = 12160.9
 WT AIRI = 15201.1 WFUEL = 1623.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 202500.
 WT SYS = 17575. WT STRUCT = 33896.
 TOTAL WEIGHT = 356771. DEL WT = 4688.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 10101.745
 PJ = 123.549 QJ = 10987.849 A = 2.215
 SHP/ENG = 7062.9 SHP TOTAL = 56503.4
 NO FAN = 85.4 NO/SEG = 19.3 LIMIT/SEG = 15.4 VTIP = 407.6
 WTFAN = 16333.5 WTGB = 2551.3 WITS = 6596.8
 WT AIRU = 25481.6
 WT AIRI = 31852.0 WFUEL = 4520.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 37972. WT STRUCT = 325797.
 TOTAL WEIGHT = 363669. DEL WT = 12286.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 18107.344
 PJ = 182.442 QJ = 54593.717 A = 2.288
 SHP/ENG = 12661.7 SHP TOTAL = 101293.7
 NO FAN = 85.3 NO/SEG = 19.3 LIMIT/SEG = 15.4 VTIP = 495.3
 WTFAN = 24096.0 WTGB = 3106.3 WITS = 11926.0
 WT AIRU = 39028.4
 WT AIRI = 48785.5 WFUEL = 8103.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 59139. WT STRUCT = 313516.
 TOTAL WEIGHT = 372655. DEL WT = 21272.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 26850.410
 PJ = 237.465 QJ = 52189.156 A = 2.343

SHP/ENG = 18773.2 SHP TOTAL = 150186.0
 NO FAN = 85.2 M7/SEG = 19.3 LIMIT/SEG = 15.4 VTIP = 565.0
 WIFAN = 31315.1 WTGR = 3607.1 WTS = 17534.2
 WT AIRU = 52456.5
 WT AIRI = 55570.5 WFUEL = 12014.9 WT TIP GEAR = 300C.
 WT MAIN GEAR = 48126. WT WING = 253831.
 WT SYS = 80585. WT STRUCT = 301957.
 TOTAL WEIGHT = 382543. DEL WT = 31160.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
 LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 36343.164
 PJ = 291.024 QJ = 58684.200 A = 2.439

SHP/ENG = 25410.4 SHP TOTAL = 203285.0
 NO FAN = 85.0 NO/SEG = 19.2 LIMIT/SEG = 15.4 VTIP = 625.5
 WIFAN = 32287.9 WTGR = 4616.3 WTS = 23733.3
 WT AIRU = 66637.4
 WT AIRI = 93296.8 WFUEL = 16262.6 WT TIP GEAR = 381C.
 WT MAIN GEAR = 44659. WT WING = 251700.
 WT SYS = 103369. WT STRUCT = 296359.
 TOTAL WEIGHT = 399729. DEL WT = 48346.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 44673.250

PJ = 334.371 QJ = 73482.110 A = 2.517
 SHP/ENG = 31274.6 SHP TOTAL = 249876.8
 NO FAN = 84.8 NO/SEG = 19.2 LIMIT/SEG = 15.4 VTIP = 670.5
 WIFAN = 43907.2 WTGR = 6283.8 WTS = 29173.1
 WT AIRU = 79364.2
 WT AIRI = 99205.2 WFUEL = 19990.1 WT TIP GEAR = 450C.
 WT MAIN GEAR = 42001.4 WT WING = 252385.2
 WT SYS = 123695. WT STRUCT = 265856.1
 TOTAL WEIGHT = 409553. DEL WT = 58170.

T = 6.0 INCHES T/W = .018182

THETA = 30.0 DEGREES 50% SEMISPAN.

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 3349.789
 PJ = 59.397 QJ = 31018.128 A = 2.354
 SHP/ENG = 2342.1 SHP TOTAL = 18736.8

NO FAN = 84.9 NO/SEG = 19.2 LIMIT/SEG = 15.4 VTIP = 282.5
 WIFAN = 7811.6 WTGR = 1463.1 WTS = 2187.5
 WT AIRU = 11462.2
 WT AIRI = 14327.7 WFUEL = 1494.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 16577. WT STRUCT = 338406.
 TOTAL WEIGHT = 355073. DEL WT = 3590.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 9307.493
 PJ = 117.451 QJ = 43595.155 A = 2.385

SHP/ENG = 6507.6 SHP TOTAL = 52060.8
 NO FAN = 84.9 NO/SEG = 19.2 LIMIT/SEG = 15.4 VTIP = 347.4
 WIFAN = 15435.0 WTGR = 2464.2 WTS = 6078.1

WT AIRU = 23977.3
WT AIRI = 29971.6 WFUEL = 4164.9 WT TIP GEAR = 1500.
WT MAIN GEAR = 53750. WT WING = 272047.
WT SYS = 35637. WT STRUCT = 325797.
TOTAL WEIGHT = 361434. DEL WT = 10051.

FRACTION OF SW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 16639.545
PJ = 173.180 QJ = 52857.817 A = 2.832

SHP/ENG = 11674.0 SHP TOTAL = 93072.2
NO FAN = 84.8 NO/SEG = 19.2 LIMIT/SEG = 15.4 VTIP = 482.5
WTFAN = 22727.2 WTGB = 7022.8 WITS = 10866.2

WT AIRU = 36616.2
WT AIRI = 45770.2 WFUEL = 7445.8 WT TIP GEAR = 2250.
WT MAIN GEAR = 51116. WT WING = 242800.
WT SYS = 55466. WT STRUCT = 313516.
TOTAL WEIGHT = 368982. DEL WT = 17599.

FRACTION OF SW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 24569.544

PJ = 224.784 QJ = 40116.720 A = 2.507
SHP/ENG = 17178.5 SHP TOTAL = 137428.1
NO FAN = 84.6 NO/SEG = 19.2 LIMIT/SEG = 15.4 VTIP = 542.7

WTFAN = 29452.2 WTGB = 3451.2 WITS = 16044.3
WT AIRU = 48949.1
WT AIRI = 61185.1 WFUEL = 10994.2 WT TIP GEAR = 3000.
WT MAIN GEAR = 48126. WT WING = 253831.
WT SYS = 75179. WT STRUCT = 301957.
TOTAL WEIGHT = 377137. DEL WT = 25759.

FRACTION OF SW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 33762.199

PJ = 274.495 QJ = 66246.079 A = 2.522
SHP/ENG = 2315.4 SHP TOTAL = 194931.2
NO FAN = 84.4 NO/SEG = 19.1 LIMIT/SEG = 15.4 VTIP = 607.5

WTFAN = 35864.7 WTGB = 4175.1 WITS = 21590.7
WT AIRU = 51630.5
WT AIRI = 77038.1 WFUEL = 14794.5 WT TIP GEAR = 3810.
WT MAIN GEAR = 44659. WT WING = 251700.
WT SYS = 95443. WT STRUCT = 296359.

TOTAL WEIGHT = 392002. DEL WT = 40519.

FRACTION OF SW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
LIFT = 224700.0 L/A = 74.657 H/W = .305 HP = 40465.083

PJ = 314.550 QJ = 76754.303 A = 2.714
SHP/ENG = 28292.3 SHP TOTAL = 226338.7
NO FAN = 84.2 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 650.3

WTFAN = 41005.1 WTGB = 5321.6 WITS = 26425.0
WT AIRU = 72751.7
WT AIRI = 90939.7 WFUEL = 19107.1 WT TIP GEAR = 4500.
WT MAIN GEAR = 42001. WT WING = 213857.

WT SYS = 113547. WT STRUCT = 285858.
TOTAL WEIGHT = 399405. DEL WT = 48022.

Y = 6.0 INCHES T/W = .018182
 THETA = 45.0 DEGREES 50% SPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37950.0 L/A = 12.609 H/W = .378 HP = 3285.013
 PJ = 58.326 QJ = 30713.776 A = 2.401
 SHP/ENG = 2296.8 SHP TOTAL = 18374.5
 NO FAN = 94.5 NO/SEG = 19.1 LIMIT/SEG = 15.4 VTIP = 281.2
 W/FAN = 7697.6 W/GR = 1444.9 W/TIS = 2145.2
 WT AIRU = 11287.2
 WT AIRI = 14109.0 WFUEL = 1470.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 5599.5 WT WING = 292500.
 WT SYS = 16329. WT STRUCT = 338095.
 TOTAL WEIGHT = 354825. DEL WT = 3442.

FRACTION OF SW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74930.0 L/A = 25.219 H/W = .371 HP = 9109.103
 PJ = 116.173 QJ = 43125.486 A = 2.436
 SHP/ENG = 6358.9 SHP TOTAL = 50951.2
 NO FAN = 94.4 NO/SEG = 19.1 LIMIT/SEG = 15.4 VTIP = 395.2
 W/FAN = 15184.9 W/GR = 2434.9 W/TIS = 5948.5
 WT AIRU = 23576.3
 WT AIRI = 29474.9 WFUEL = 1075.1 WT TIP GEAR = 1501.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 35046. WT STRUCT = 323797.
 TOTAL WEIGHT = 360844. DEL WT = 9461.

FRACTION OF SW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.824 H/W = .369 HP = 13991.103
 PJ = 170.929 QJ = 52241.598 A = 2.470
 SHP/ENG = 11351.6 SHP TOTAL = 90813.0
 NO FAN = 94.3 NO/SEG = 19.1 LIMIT/SEG = 15.4 VTIP = 479.4
 W/FAN = 22318.5 W/GR = 2996.5 W/TIS = 10602.4
 WT AIRU = 35917.4
 WT AIRI = 44896.7 WFUEL = 7265.0 WT TIP GEAR = 2250.
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 54412. WT STRUCT = 313516.
 TOTAL WEIGHT = 367928. DEL WT = 16545.

FRACTION OF SW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 23865.401
 PJ = 221.285 QJ = 59317.110 A = 2.575
 SHP/ENG = 16646.2 SHP TOTAL = 133489.5
 NO FAN = 94.2 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 545.4
 W/FAN = 24833.4 W/GR = 3405.0 W/TIS = 15584.9
 WT AIRU = 47823.3
 WT AIRI = 59779.1 WFUEL = 10679.2 WT TIP GEAR = 3000.
 WT MAIN GEAR = 44126. WT WING = 243931.
 WT SYS = 73458. WT STRUCT = 301947.
 TOTAL WEIGHT = 375416. DEL WT = 24033.

FRACTION OF SW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
 LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 31911.756

PJ = 269.153 QJ = 652.0012 A = 2.705
 SHP/ENG = 2232.0 SHP TOTAL = 178496.3
 NO FAN = 83.9 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 601.5
 WIFAN = 39958.6 WTGR = 8082.0 WITS = 20839.8
 WT AIRU = 59840.0
 WT AIRI = 74900.0 WFUEL = 14279.7 WT TIP GEAR = 3812.
 WT MAIN GEAR = 44459. WT WING = 251700.
 WT SYS = 92890. WT STRUCT = 296359.
 TOTAL WEIGHT = 389249. DEL WT = 37866.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 M/W = 335 HP = 19875.601
 PJ = 307.537 QJ = 755.252 A = 2.811
 SHP/ENG = 27191.0 SHP TOTAL = 217408.1
 NO FAN = 83.7 NO/SEG = 18.0 LIMIT/SEG = 15.4 VTIP = 643.0
 WIFAN = 39841.1 WTGR = 5016.7 WITS = 25387.1
 WT AIRU = 70244.8
 WT AIRI = 87804.0 WFUEL = 17395.8 WT TIP GEAR = 4503.
 WT MAIN GEAR = 92001. WT WING = 243857.
 WT SYS = 109702. WT STRUCT = 285858.
 TOTAL WEIGHT = 395560. DEL WT = 38177.

T = 6.0 INCHES T/W = .018182

THETA = 60.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 M/W = .378 HP = 3414.815
 PJ = 60.521 QJ = 31033.122 A = 2.352
 SHP/ENG = 2307.6 SHP TOTAL = 19100.5
 NO FAN = 84.2 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 289.2
 WIFAN = 7888.9 WTGR = 1475.8 WITS = 2230.8
 WT AIRU = 11598.7
 WT AIRI = 14493.4 WFUEL = 1528.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 292500.
 WT SYS = 16771. WT STRUCT = 334474.
 TOTAL WEIGHT = 355268. DEL WT = 3885.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 M/W = .371 HP = 9447.084
 PJ = 119.382 QJ = 13537.846 A = 2.389
 SHP/ENG = 6605.2 SHP TOTAL = 52891.6
 NO FAN = 84.1 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 400.6
 WIFAN = 15581.9 WTGR = 2073.5 WITS = 6169.3
 WT AIRU = 24184.7
 WT AIRI = 30230.8 WFUEL = 4227.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 35959. WT STRUCT = 325797.
 TOTAL WEIGHT = 361755. DEL WT = 10372.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.824 M/W = .359 HP = 15779.717
 PJ = 175.201 QJ = 52675.850 A = 2.448
 SHP/ENG = 11732.0 SHP TOTAL = 93856.2
 NO FAN = 84.0 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 489.3

WTFAN = 22783.4 WTGR = 7024.1 WTS = 10957.7

WT AIRU = 36765.2

WT AIRI = 45955.6 WFUEL = 7508.5 WT TIP GEAR = 2250.

WT MAIN GEAR = 51116. WT WING = 262900.

WT SYS = 55725. WT STRUCT = 313516.

TOTAL WEIGHT = 369231. DEL WT = 17848.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5

LIFT = 149800.0 L/A = 50.438 H/W = .393 HP = 24538.721

PJ = 226.068 QJ = 59700.043 A = 2.541

SHP/ENG = 17157.0 SHP TOTAL = 137255.7

NO FAN = 93.9 NO/SEG = 19.9 LIMIT/SEG = 15.9 VTIP = 551.3

WTFAN = 29531.5 WTGR = 3442.5 WTS = 16824.5

WT AIRU = 48798.6

WT AIRI = 40999.3 WFUEL = 10980.5 WT TIP GEAR = 3000.

WT MAIN GEAR = 48126. WT WING = 253831.

WT SYS = 74979. WT STRUCT = 301957.

TOTAL WEIGHT = 376935. DEL WT = 25553.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 136.0

LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 32577.110

PJ = 273.712 QJ = 65460.849 A = 2.684

SHP/ENG = 22777.2 SHP TOTAL = 156217.9

NO FAN = 83.5 NO/SEG = 18.9 LIMIT/SEG = 15.9 VTIP = 606.4

WTFAN = 35389.0 WTGR = 4111.4 WTS = 21273.7

WT AIRU = 60774.3

WT AIRI = 75967.9 WFUEL = 14577.4 WT TIP GEAR = 3810.

WT MAIN GEAR = 44459. WT WING = 251700.

WT SYS = 94355. WT STRUCT = 296359.

TOTAL WEIGHT = 390785. DEL WT = 37824.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0

LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 39478.422

PJ = 311.704 QJ = 69659.396 A = 2.799

SHP/ENG = 27602.5 SHP TOTAL = 220819.9

NO FAN = 83.3 NO/SEG = 18.8 LIMIT/SEG = 15.4 VTIP = 647.3

WTFAN = 40187.5 WTGR = 5121.5 WTS = 25780.7

WT AIRU = 71089.8

WT AIRI = 89862.2 WFUEL = 17665.6 WT TIP GEAR = 4500.

WT MAIN GEAR = 42001. WT WING = 243857.

WT SYS = 111028. WT STRUCT = 280638.

TOTAL WEIGHT = 396886. DEL WT = 45503.

T = 8.0 INCHES T/W = .024242

THETA = 15.0 DEGREES 508 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5

LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 3206.291

PJ = 47.758 QJ = 36924.615 A = 2.215

SHP/ENG = 2241.8 SHP TOTAL = 17934.2

NO FAN = 112.8 NO/SEG = 26.2 LIMIT/SEG = 15.4 VTIP = 253.4

WTFAN = 8338.4 WTGR = 1549.5 WTS = 2093.8

WT AIRU = 11981.7

WT AIRI = 14977.1 WFUEL = 1434.7 WT TIP GEAR = 750.

WT MAIN GEAR = 5599.6 WT WING = 22250.0
WT SYS = 17162. WT STRUCT = 338496.
TOTAL WEIGHT = 355658. DEL WT = 4275.

FRACTION OF SW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 4928.749
PJ = 94.584 QJ = 91920.309 A = 2.241
SHP/ENG = 6242.8 SHP TOTAL = 49942.0
NO FAN = 112.7 NO/SEG = 24.3 LIMIT/SEG = 15.4 VIIP = 356.4
WTFAN = 16500.1 WTGR = 2612.0 WTTS = 5830.8
WT AIRU = 24942.8

WT AIRI = 3178.5 WFUEL = 1995.8 WT TIP GEAR = 1600

WT MAIN GEAR = 55750. WT WING = 27204.5
WT SYS = 36674. WT STRUCT = 325797.
TOTAL WEIGHT = 362471. DEL WT = 11088.

FRACTION OF SW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
LIFT = 112350.0 L/A = 37.928 H/W = .359 HP = 16016.636
PJ = 139.759 QJ = 63031.133 A = 2.280
SHP/ENG = 11194.5 SHP TOTAL = 49588.0
NO FAN = 112.5 NO/SEG = 26.1 LIMIT/SEG = 15.4 VIIP = 433.5
WTFAN = 24349.2 WTGR = 3194.7 WTTS = 10459.4
WT AIRU = 34053.3

WT AIRI = 47504.1 WFUEL = 7167.0 WT TIP GEAR = 2252

WT MAIN GEAR = 51116. WT WING = 262400.

WT SYS = 54921. WT STRUCT = 313516.

TOTAL WEIGHT = 370437. DEL WT = 19054.

FRACTION OF SW/SIDE = .1000 CUSH HT = 115.2 GEAR HT = 158.3
LIFT = 149800.0 L/A = 50.456 H/W = .345 HP = 25771.877
PJ = 182.092 QJ = 71799.546 A = 2.341
SHP/ENG = 16620.2 SHP TOTAL = 132961.9
NO FAN = 112.3 NO/SEG = 26.1 LIMIT/SEG = 15.4 VIIP = 494.8
WTFAN = 31459.7 WTGR = 7604.4 WTTS = 15523.3

WT AIRU = 50791.4

WT AIRI = 63489.2 WFUEL = 10637.0 WT TIP GEAR = 3000.

WT MAIN GEAR = 48126. WT WING = 253831.

WT SYS = 77126. WT STRUCT = 301957.

TOTAL WEIGHT = 379084. DEL WT = 27701.

FRACTION OF SW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 32224.092
PJ = 223.506 QJ = 79296.657 A = 2.439
SHP/ENG = 22530.4 SHP TOTAL = 180243.3
NO FAN = 111.4 NO/SEG = 26.0 LIMIT/SEG = 15.4 VIIP = 508.2
WTFAN = 38738.2 WTGR = 4305.2 WTTS = 21043.4

WT AIRU = 54045.8

WT AIRI = 80108.5 WFUEL = 14419.5 WT TIP GEAR = 3810.

WT MAIN GEAR = 44659. WT WING = 251700.

WT SYS = 48338. WT STRUCT = 296359.

TOTAL WEIGHT = 394497. DEL WT = 43310.

FRACTION OF SW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0

LIFT = 224700.0 L/A = 75.657 H/W = .325 HP = 30658.557
 PJ = 257.115 QJ = 84834.404 A = 2.517
 SHP/ENG = 27728.4 SHP TOTAL = 221827.5
 NO FAN = 111.7 NO/SEG = 25.9 LIMIT/SEG = 15.4 VIIP = 587.9
 WTFAN = 44450.4 WTGB = 5456.8 WTS = 25894.4
 WT AIRU = 75805.5
 WT AIRI = 94756.9 WFUEL = 17746.2 WT TIP GEAR = 4501.
 WT MAIN GEAR = 42001. WT WING = 293857.
 WT SYS = 117003. WT STRUCT = 285858.
 TOTAL WEIGHT = 402461. DEL WT = 51478.

T = 8.0 INCHES T/W = .024242

THETA = 30.0 DEGREES

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 2970.831
 PJ = 45.628 QJ = 35810.646 A = 2.354
 SHP/ENG = 2077.1 SHP TOTAL = 15517.1
 NO FAN = 111.9 NO/SEG = 26.0 LIMIT/SEG = 15.4 VIIP = 247.7
 WTFAN = 7904.4 WTGB = 1478.2 WTS = 1940.1
 WT AIRU = 11322.6
 WT AIRI = 14153.3 WFUEL = 1329.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 16233. WT STRUCT = 328496.
 TOTAL WEIGHT = 354729. DEL WT = 3384.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 8258.505
 PJ = 90.249 QJ = 50319.023 A = 2.385
 SHP/ENG = 5779.2 SHP TOTAL = 44242.2
 NO FAN = 111.8 NO/SEG = 25.9 LIMIT/SEG = 15.4 VIIP = 308.4
 WTFAN = 15622.1 WTGB = 2521.9 WTS = 3398.1
 WT AIRU = 23537.0
 WT AIRI = 29421.3 WFUEL = 3695.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 34617. WT STRUCT = 325797.
 TOTAL WEIGHT = 360414. DEL WT = 9031.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 18775.221
 PJ = 133.169 QJ = 61023.171 A = 2.438
 SHP/ENG = 10330.5 SHP TOTAL = 82644.2
 NO FAN = 111.6 NO/SEG = 25.9 LIMIT/SEG = 15.4 VIIP = 423.1
 WTFAN = 23011.0 WTGB = 3113.6 WTS = 9648.7
 WT AIRU = 35773.3
 WT AIRI = 44716.7 WFUEL = 5411.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 51116. WT WING = 252400.
 WT SYS = 53578. WT STRUCT = 313516.
 TOTAL WEIGHT = 367694. DEL WT = 25711.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 21042.950
 PJ = 173.096 QJ = 69402.678 A = 2.507
 SHP/ENG = 15271.7 SHP TOTAL = 122173.7

NO FAN = 111.3 NO/SEG = 25.9 LIMIT/SEG = 15.9 VTIP = 482.9
 WTFAN = 29837.3 WTGR = 3494.0 WTS = 14263.8
 WT AIRU = 47595.0
 WT AIRI = 59493.8 WFUEL = 9773.9 WT TIP GEAR = 3002.
 WT MAIN GEAR = 44126. WT WING = 253931.
 WT SYS = 72268. WT STRUCT = 301957.
 TOTAL WEIGHT = 374225. DEL WT = 22942.

FRACTION OF SW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0
 LIFT = 190246.0 L/A = 64.056 M/W = .321 HP = 29445.252
 PJ = 211.763 QJ = 76476.581 A = 2.522
 SHP/ENG = 20597.5 SHP TOTAL = 148700.7
 NO FAN = 110.9 NO/SEG = 25.7 LIMIT/SEG = 15.9 VTIP = 553.6
 WTFAN = 36365.8 WTGR = 4013.1 WTS = 19228.7
 WT AIRU = 59607.4
 WT AIRI = 74509.5 WFUEL = 13176.0 WT TIP GEAR = 3812.
 WT MAIN GEAR = 44659. WT WING = 251700.
 WT SYS = 91496. WT STRUCT = 294359.
 TOTAL WEIGHT = 387055. DEL WT = 36472.

FRACTION OF SW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 M/W = .335 HP = 35090.463
 PJ = 243.021 QJ = 11679.049 A = 2.714
 SHP/ENG = 25233.7 SHP TOTAL = 231869.6
 NO FAN = 110.6 NO/SEG = 25.6 LIMIT/SEG = 15.9 VTIP = 571.6
 WTFAN = 41607.6 WTGR = 4813.8 WTS = 23548.3
 WT AIRU = 59989.7
 WT AIRI = 87487.1 WFUEL = 16149.6 WT TIP GEAR = 4502.
 WT MAIN GEAR = 42001. WT WING = 243957.
 WT SYS = 108137.5 WT STRUCT = 285458.5
 TOTAL WEIGHT = 393995. DEL WT = 42612.

T = 8.0 INCHES T/W = .024242
 THETA = 45.0 DEGREES 528 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 M/W = .378 HP = 2922.808
 PJ = 45.337 QJ = 35457.523 A = 2.401
 SHP/ENG = 2043.6 SHP TOTAL = 16348.5
 NO FAN = 111.1 NO/SEG = 25.8 LIMIT/SEG = 15.9 VTIP = 284.9
 WTFAN = 47801.5 WTGR = 3461.1 WTS = 1904.7
 WT AIRU = 11171.3
 WT AIRI = 13944.1 WFUEL = 1307.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 55295. WT WING = 242500.
 WT SYS = 16022. WT STRUCT = 338476.
 TOTAL WEIGHT = 354518. DEL WT = 3135.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 M/W = .371 HP = 9109.133
 PJ = 89.584 QJ = 49795.777 A = 2.436
 SHP/ENG = 5669.7 SHP TOTAL = 45357.9
 NO FAN = 111.0 NO/SEG = 25.8 LIMIT/SEG = 15.9 VTIP = 347.0
 WTFAN = 19397.9 WTGR = 2497.4 WTS = 5295.5
 WT AIRU = 23190.8

WT AIRI = 28999.5 WFUEL = 3624.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 34117. WT STRUCT = 325797.
 TOTAL WEIGHT = 359019. DEL WT = 8231.

FRACTION OF GW/SIDE = .750 CUSH WT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.828 M/W = .359 HP = 144696544
 PJ = 131.922 QJ = 60308.921 A = 2.490
 SHP/ENG = 10114.6 SHP TOTAL = 80912.0
 NO FAN = 110.8 NO/SEG = 25.7 LIMIT/SEG = 15.4 VTIP = 421.1
 JTFAN = 22535.0 WTGB = 3088.4 WTS = 9446.5
 WT AIRU = 35149.8

WT AIRI = 43962.3 WFUEL = 4475.0 WT TIP GEAR = 2200.
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 52485. WT STRUCT = 313516.
 TOTAL WEIGHT = 366201. DEL WT = 14818.

FRACTION OF GW/SIDE = .1000 CUSH WT = 113.2 GEAR HT = 152.8
 LIFT = 149800.0 L/A = 50.438 M/W = .343 HP = 21291.730
 PJ = 171.017 QJ = 58475.478 A = 2.575
 SHP/ENG = 14986.7 SHP TOTAL = 119093.9
 NO FAN = 110.5 NO/SEG = 25.6 LIMIT/SEG = 15.4 VTIP = 479.5
 JTFAN = 29261.4 WTGB = 3459.2 WTS = 13904.2

WT AIRU = 46624.8
 WT AIRI = 58281.0 WFUEL = 9527.5 WT TIP GEAR = 3000.
 WT MAIN GEAR = 48126. WT WING = 253831.
 WT SYS = 70809. WT STRUCT = 301957.
 TOTAL WEIGHT = 372766. DEL WT = 21383.

FRACTION OF GW/SIDE = .1270 CUSH WT = 105.8 GEAR HT = 158.8
 LIFT = 190246.0 L/A = 64.056 M/W = .321 HP = 28826328

PJ = 208.442 QJ = 75275.370 A = 2.705
 SHP/ENG = 19946.4 SHP TOTAL = 159571.3
 NO FAN = 110.0 NO/SEG = 25.5 LIMIT/SEG = 15.4 VTIP = 529.4
 JTFAN = 35512.9 WTGB = 3926.7 WTS = 18529.9
 WT AIRU = 58069.5
 WT AIRI = 72586.9 WFUEL = 12765.7 WT TIP GEAR = 3810.
 WT MAIN GEAR = 44659. WT WING = 251700.
 WT SYS = 89163. WT STRUCT = 296359.
 TOTAL WEIGHT = 385522. DEL WT = 34139.

FRACTION OF GW/SIDE = .1500 CUSH WT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 M/W = .305 HP = 34810.728
 PJ = 234.566 QJ = 90254.013 A = 2.811
 SHP/ENG = 24378.9 SHP TOTAL = 194711.5

NO FAN = 109.7 NO/SEG = 25.4 LIMIT/SEG = 15.4 VTIP = 566.3
 JTFAN = 40505.3 WTGB = 4617.0 WTS = 22732.6
 WT AIRU = 67854.8
 WT AIRI = 94919.5 WFUEL = 15576.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 42001. WT WING = 243857.
 WT SYS = 104495. WT STRUCT = 285854.
 TOTAL WEIGHT = 390753. DEL WT = 34570.

T = 9.2 INCHES I/W = .029242
 THETA = 60.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH WT = 129.8 GEAR HT = 179.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 3045.802
 PJ = 46.761 QJ = 35829.692 A = 2.352
 SHP/ENG = 2129.6 SHP TOTAL = 17036.5
 NO FAN = 110.6 NO/SEG = 25.6 LIMIT/SEG = 15.4 VTIP = 250.7
 JTFAN = 9005.0 WTGB = 1499.9 WITS = 1989.0
 WT AIRU = 11488.9
 WT AIRI = 14361.2 WFUEL = 1362.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 292500.
 WT SYS = 14878. WT STRUCT = 17822.
 TOTAL WEIGHT = 354970. DEL WT = 354970.

FRACTION OF GW/SIDE = .0500 CUSH WT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 8431.196
 PJ = 92.268 QJ = 30259.678 A = 2.389
 SHP/ENG = 5899.9 SHP TOTAL = 47159.3
 NO FAN = 110.4 NO/SEG = 25.6 LIMIT/SEG = 15.4 VTIP = 352.2
 JTFAN = 15775.2 WTGB = 2536.0 WITS = 5505.8
 WT AIRU = 23817.1
 WT AIRI = 29771.4 WFUEL = 3772.7 WT TIP GEAR = 1500.
 WT MAIN GEAR = 37250. WT WING = 272097.
 WT SYS = 35044. WT STRUCT = 32579.
 TOTAL WEIGHT = 360941. DEL WT = 360941.

FRACTION OF GW/SIDE = .0750 CUSH WT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.829 H/W = .359 HP = 19999.051
 PJ = 135.575 QJ = 30007.412 A = 2.448
 SHP/ENG = 10480.0 SHP TOTAL = 83840.3
 NO FAN = 110.2 NO/SEG = 25.6 LIMIT/SEG = 15.4 VTIP = 426.9
 JTFAN = 83135.9 WTGB = 3117.5 WITS = 9788.4
 WT AIRU = 36041.8
 WT AIRI = 45052.2 WFUEL = 4707.2 WT TIP GEAR = 2250.
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 54009. WT STRUCT = 313516.
 TOTAL WEIGHT = 367526. DEL WT = 367526.

FRACTION OF GW/SIDE = .1000 CUSH WT = 115.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 21931.784
 PJ = 175.196 QJ = 58914.021 A = 2.541
 SHP/ENG = 15348.2 SHP TOTAL = 122795.7
 NO FAN = 109.9 NO/SEG = 25.5 LIMIT/SEG = 15.4 VTIP = 485.3
 JTFAN = 29806.4 WTGB = 3490.0 WITS = 14335.2
 WT AIRU = 47631.6
 WT AIRI = 59539.5 WFUEL = 9422.9 WT TIP GEAR = 3000.
 WT MAIN GEAR = 49126. WT WING = 253831.
 WT SYS = 72362. WT STRUCT = 341957.
 TOTAL WEIGHT = 374320. DEL WT = 374320.

FRACTION OF GW/SIDE = .1270 CUSH WT = 105.8 GEAR HT = 158.8
 LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 292076250
 PJ = 212.598 QJ = 75540.551 A = 2.448

SHP/ENG = 20472.1 SHP TOTAL = 163368.8
 NO FAN = 109.4 NO/SEG = 25.3 LIMIT/SEG = 15.4 VTIP = 534.6
 WTFAN = 36001.0 WTGB = 3980.7 WTS = 19073.3
 WT AIRU = 59054.9
 WT AIRI = 73819.7 WFUEL = 13069.5 WT TIP GEAR = 3810.
 WT MAIN GEAR = 94659. WT WING = 251700.
 WT SYS = 90699. WT STRUCT = 296359.
 TOTAL WEIGHT = 387158. DEL WT = 35675.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
 LIFT = 224700.0 L/A = 75.657 M/W = .305 HP = 35457.645
 PJ = 242.547 QJ = 90433.780 A = 2.799

SHP/ENG = 20791.2 SHP TOTAL = 198329.4
 NO FAN = 109.0 NO/SEG = 25.2 LIMIT/SEG = 15.4 VTIP = 571.0
 WTFAN = 40918.0 WTGB = 8709.4 WTS = 23155.0
 WT AIRU = 69777.4
 WT AIRI = 95971.8 WFUEL = 15866.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 92001. WT WING = 243857.
 WT SYS = 106398. WT STRUCT = 289858.
 TOTAL WEIGHT = 392196. DEL WT = 40813.

T = 10.0 INCHES T/W = .030303
 THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 M/W = .378 HP = 2925.948
 PJ = 38.982 QJ = 41276.712 A = 2.215
 SHP/ENG = 2045.5 SHP TOTAL = 16363.9
 NO FAN = 139.5 NO/SEG = 32.9 LIMIT/SEG = 15.4 VTIP = 229.9
 WTFAN = 8421.3 WTGB = 1564.2 WTS = 5524.1
 WT AIRU = 11896.0
 WT AIRI = 14870.0 WFUEL = 1309.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 16929. WT STRUCT = 338496.
 TOTAL WEIGHT = 355425. DEL WT = 4042.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 M/W = .371 HP = 8150.215
 PJ = 77.234 QJ = 58039.512 A = 2.241
 SHP/ENG = 5609.5 SHP TOTAL = 45587.7
 NO FAN = 139.4 NO/SEG = 32.8 LIMIT/SEG = 15.4 VTIP = 322.2
 WTFAN = 16667.4 WTGB = 2664.2 WTS = 5322.4
 WT AIRU = 24653.9
 WT AIRI = 30817.4 WFUEL = 3647.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 35954. WT STRUCT = 325797.
 TOTAL WEIGHT = 361762. DEL WT = 10379.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.328 M/W = .359 HP = 14629.204
 PJ = 114.195 QJ = 70459.128 A = 2.280
 SHP/ENG = 10228.4 SHP TOTAL = 81827.5
 NO FAN = 139.1 NO/SEG = 32.8 LIMIT/SEG = 15.4 VTIP = 391.0
 WTFAN = 24603.7 WTGB = 3278.8 WTS = 9553.4

WT AIRU = 37435.4
 WT AIRI = 46794.8 WFUEL = 6446.2 WT TIP GEAR = 2259.
 WT MAIN GEAR = 51116. WT WING = 262400.
 WT SYS = 55591. WT STRUCT = 313516.
 TOTAL WEIGHT = 369107. DEL WT = 17724.

FRACTION OF SW/SIDE = .1000 CUSH HT = 115.2 GEAR HT = 192.6
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 21733.246
 PJ = 188.933 QJ = 80259.582 A = 2.343
 SHP/ENG = 15195.4 SHP TOTAL = 121563.4
 NO FAN = 138.4 NO/SEG = 32.7 LIMIT/SEG = 15.4 VIIP = 447.4
 WIFAN = 32006.0 WIGR = 3441.5 WITS = 14192.4
 WT AIRU = 49860.2 WT AIRI = 62325.1 WFUEL = 9729.1 WT TIP GEAR = 3009.
 WT MAIN GEAR = 80126. WT WING = 253831.
 WT SYS = 75050. WT STRUCT = 301977.
 TOTAL WEIGHT = 377008. DEL WT = 25629.

FRACTION OF SW/SIDE = .1270 CUSH HT = 105.4 GEAR HT = 196.0
 LIFT = 190244.0 L/A = 49.096 H/W = .321 HP = 29309.449
 PJ = 163.086 QJ = 94677.694 A = 2.439
 SHP/ENG = 20670.0 SHP TOTAL = 165034.6
 NO FAN = 134.2 NO/SEG = 32.4 LIMIT/SEG = 15.4 VIIP = 484.1
 WIFAN = 34190.0 WIGR = 4199.1 WITS = 14260.4
 WT AIRU = 62955.4 WT AIRI = 78323.0 WFUEL = 13203.2 WT TIP GEAR = 3813.
 WT MAIN GEAR = 94659. WT WING = 251700.
 WT SYS = 95336. WT STRUCT = 246349.
 TOTAL WEIGHT = 391495. DEL WT = 31312.

FRACTION OF SW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 196.0
 LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 36197.274
 PJ = 210.877 QJ = 94875.609 A = 2.517
 SHP/ENG = 25476.2 SHP TOTAL = 203162.3
 NO FAN = 137.4 NO/SEG = 32.5 LIMIT/SEG = 15.4 VIIP = 537.4
 WIFAN = 44996.6 WIGR = 5070.5 WITS = 23742.0
 WT AIRU = 73809.6 WT AIRI = 92262.1 WFUEL = 16264.0 WT TIP GEAR = 4503.
 WT MAIN GEAR = 92001. WT WING = 243897.
 WT SYS = 113031. WT STRUCT = 285098.
 TOTAL WEIGHT = 398889. DEL WT = 37500.

T = 10.0 INCHES L/W = .030303
 THETA = 30.0 DEGREES 508 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.4 GEAR HT = 196.4
 LIFT = 37450.0 L/A = 12.469 H/W = .378 HP = 17706.74
 PJ = 37.385 QJ = 80038.917 A = 2.338
 SHP/ENG = 1907.4 SHP TOTAL = 15214.0
 NO FAN = 134.2 NO/SEG = 32.5 LIMIT/SEG = 15.4 VIIP = 224.2
 WIFAN = 7947.7 WIGR = 2444.0 WITS = 1174.4
 WT AIRU = 11268.5 WT AIRI = 14085.6 WFUEL = 1717.4 WT TIP GEAR = 790.
 WT MAIN GEAR = 55998. WT WING = 292500.

WT SYS = 16053. WT STRUCT = 338496.
TOTAL WEIGHT = 354549. DEL WT = 3166.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 7567.246
PJ = 73.996 QJ = 54205.792 A = 2.335
SHP/ENG = 5200.9 SHP TOTAL = 42326.9
NO FAN = 138.0 NO/SEG = 32.5 LIMIT/SEG = 15.4 VTIP = 315.4
WTFAN = 15910.1 WTGR = 2572.3 WITS = 4941.7
WT AIRU = 23324.1
WT AIRI = 29155.1 WFUEL = 3386.2 WT TIP GEAR = 150C.
WT MAIN GEAR = 53750. WT WING = 272047.
WT SYS = 34041. WT STRUCT = 355791.
TOTAL WEIGHT = 359838. DEL WT = 8455.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 13548.475
PJ = 109.246 QJ = 68209.755 A = 2.432
SHP/ENG = 9472.8 SHP TOTAL = 75782.5
NO FAN = 137.7 NO/SEG = 32.4 LIMIT/SEG = 15.4 VTIP = 383.2
WTFAN = 23296.5 WTGR = 3196.9 WITS = 8947.6
WT AIRU = 35340.9
WT AIRI = 44175.2 WFUEL = 6062.6 WT TIP GEAR = 225C.
WT MAIN GEAR = 51116. WT WING = 262400.
WT SYS = 52489. WT STRUCT = 313516.
TOTAL WEIGHT = 366205. DEL WT = 14622.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
LIFT = 149800.0 L/A = 50.438 H/W = .347 HP = 18524.078
PJ = 142.169 QJ = 77574.523 A = 2.507
SHP/ENG = 14020.0 SHP TOTAL = 112159.9
NO FAN = 137.3 NO/SEG = 32.3 LIMIT/SEG = 15.4 VTIP = 437.2
WTFAN = 30224.6 WTGR = 3565.7 WITS = 13094.7
WT AIRU = 46984.9
WT AIRI = 58606.1 WFUEL = 8972.8 WT TIP GEAR = 300C.
WT MAIN GEAR = 48126. WT WING = 253831.
WT SYS = 70579. WT STRUCT = 301957.
TOTAL WEIGHT = 372536. DEL WT = 21153.

FRACTION OF GW/SIDE = .1250 CUSH HT = 105.8 GEAR HT = 138.0
LIFT = 191246.0 L/A = 64.056 H/W = .321 HP = 27079.831
PJ = 174.243 QJ = 85477.928 A = 2.622
SHP/ENG = 19933.7 SHP TOTAL = 151469.2
NO FAN = 136.7 NO/SEG = 32.2 LIMIT/SEG = 15.4 VTIP = 484.0
WTFAN = 36869.8 WTGR = 3983.2 WITS = 17594.0
WT AIRU = 58537.7
WT AIRI = 73172.1 WFUEL = 12117.5 WT TIP GEAR = 381C.
WT MAIN GEAR = 74659. WT WING = 251700.
WT SYS = 89100. WT STRUCT = 296359.
TOTAL WEIGHT = 385159. DEL WT = 34076.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 332386567

PJ = 200.255 QJ = 3.299.897 A = 2.719
 SHP/ENG = 23239.7 SHP TOTAL = 185917.7
 NO FAN = 136.1 NO/SEG = 32.0 LIMIT/SEG = 15.4 VTIP = 519.9
 WIFAN = 82213.7 WTGR = 8599.7 WITS = 21705.2
 WT AIRU = 68519.3
 WT AIRI = 85649.2 WFUEL = 14673.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 42001. WT WING = 283857.
 WT SYS = 105023. WT STRUCT = 285858.
 TOTAL WEIGHT = 390881. DEL WT = 39498.

T = 10.0 INCHES T/W = .030303
 THETA = 85.0 DEGREES 50X SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5
 LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 2685.487

PJ = 37.268 QJ = 39631.709 A = 2.401
 SHP/ENG = 1877.6 SHP TOTAL = 15020.9
 NO FAN = 137.0 NO/SEG = 32.3 LIMIT/SEG = 15.4 VTIP = 223.8
 WIFAN = 7905.9 WTGR = 1478.7 WITS = 1753.7
 WT AIRU = 11138.2
 WT AIRI = 13922.8 WFUEL = 1201.7 WT TIP GEAR = 753.
 WT MAIN GEAR = 55996. WT WING = 282500.
 WT SYS = 15874. WT STRUCT = 338496.
 TOTAL WEIGHT = 358371. DEL WT = 2289.

FRACTION OF SW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0
 LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 7454.578
 PJ = 73.680 QJ = 55646.108 A = 2.436
 SHP/ENG = 522.1 SHP TOTAL = 41696.7

NO FAN = 136.1 NO/SEG = 32.2 LIMIT/SEG = 15.4 VTIP = 314.7
 WIFAN = 15608.1 WTGR = 2549.1 WITS = 8668.1
 WT AIRU = 23025.3
 WT AIRI = 28781.6 WFUEL = 3335.7 WT TIP GEAR = 1503.
 WT MAIN GEAR = 53750. WT WING = 272047.
 WT SYS = 33617. WT STRUCT = 325797.
 TOTAL WEIGHT = 359415. DEL WT = 8032.

FRACTION OF SW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
 LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 13308.976
 PJ = 108.594 QJ = 67406.712 A = 2.490

SHP/ENG = 9335.4 SHP TOTAL = 74425.9
 NO FAN = 136.5 NO/SEG = 32.1 LIMIT/SEG = 15.4 VTIP = 382.1
 WIFAN = 22953.3 WTGR = 3172.3 WITS = 8691.2
 WT AIRU = 34816.8
 WT AIRI = 43521.1 WFUEL = 5955.4 WT TIP GEAR = 2253.
 WT MAIN GEAR = 51116. WT WING = 242400.
 WT SYS = 51726. WT STRUCT = 313516.
 TOTAL WEIGHT = 365243. DEL WT = 13860.

FRACTION OF SW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
 LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 19615.024
 PJ = 140.964 QJ = 76532.127 A = 2.575
 SHP/ENG = 13714.4 SHP TOTAL = 109715.3
 NO FAN = 136.0 NO/SEG = 32.0 LIMIT/SEG = 15.4 VTIP = 435.3

WTFAN = 29691.9 WTGR = 3535.9 WTTIS = 12809.3

WT AIRU = 46037.0

WT AIRI = 57546.3 WFUEL = 8777.2 WT TIP GEAR = 3003.

WT MAIN GEAR = 48126. WT WING = 253831.

WT SYS = 69324. WT STRUCT = 301957.

TOTAL WEIGHT = 371281. DEL WT = 19898.

FRACTION OF GW/SIDE = .1270 CUSH HT = 105.8 GEAR HT = 138.0

LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 26334.374

PJ = 172.165 QJ = 44128.035 A = 2.705

SHP/ENG = 18412.4 SHP TOTAL = 147299.5

NO FAN = 135.3 NO/SEG = 31.8 LIMIT/SEG = 15.4 VTIP = 481.1

WTFAN = 36070.6 WTGR = 3420.7 WTTIS = 11177.2

WT AIRU = 57188.5

WT AIRI = 71485.6 WFUEL = 11789.0 WT TIP GEAR = 3813.

WT MAIN GEAR = 44659. WT WING = 251700.

WT SYS = 87080. WT STRUCT = 296359.

TOTAL WEIGHT = 383439. DEL WT = 12054.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0

LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 32185.256

PJ = 197.371 QJ = 49688.499 A = 2.811

SHP/ENG = 22513.3 SHP TOTAL = 180024.1

NO FAN = 134.7 NO/SEG = 31.7 LIMIT/SEG = 15.4 VTIP = 515.1

WTFAN = 41173.5 WTGR = 4460.1 WTTIS = 21018.9

WT AIRU = 56651.7

WT AIRI = 83314.6 WFUEL = 14402.1 WT TIP GEAR = 4503.

WT MAIN GEAR = 42001. WT WING = 243857.

WT SYS = 102217. WT STRUCT = 285859.

TOTAL WEIGHT = 388075. DEL WT = 15492.

T = 10.0 INCHES T/W = .030303

THETA = 60.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 124.8 GEAR HT = 174.5

LIFT = 37450.0 L/A = 12.609 H/W = .378 HP = 2805.263

PJ = 38.534 QJ = 40039.961 A = 2.352

SHP/ENG = 1961.4 SHP TOTAL = 15691.1

NO FAN = 136.1 NO/SEG = 32.0 LIMIT/SEG = 15.4 VTIP = 227.6

WTFAN = 8121.9 WTGR = 1514.7 WTTIS = 1931.9

WT AIRU = 11468.4

WT AIRI = 14335.6 WFUEL = 1255.3 WT TIP GEAR = 750.

WT MAIN GEAR = 55996. WT WING = 282500.

WT SYS = 16341. WT STRUCT = 338496.

TOTAL WEIGHT = 354437. DEL WT = 3454.

FRACTION OF GW/SIDE = .0500 CUSH HT = 122.3 GEAR HT = 170.0

LIFT = 74900.0 L/A = 25.219 H/W = .371 HP = 7769.857

PJ = 76.077 QJ = 56172.657 A = 2.389

SHP/ENG = 5472.5 SHP TOTAL = 43460.2

NO FAN = 135.9 NO/SEG = 32.0 LIMIT/SEG = 15.4 VTIP = 319.8

WTFAN = 16010.0 WTGR = 2591.5 WTTIS = 5074.0

WT AIRU = 23675.5

WT AIRI = 29594.3 WFUEL = 3476.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 53750. WT WING = 272097.
WT SYS = 34571. WT STRUCT = 325797.
TOTAL WEIGHT = 360368. DEL WT = 8985.

FRACTION OF GW/SIDE = .0750 CUSH HT = 118.6 GEAR HT = 162.8
LIFT = 112350.0 L/A = 37.828 H/W = .359 HP = 13825.829
PJ = 111.893 QJ = 57959.868 A = 2.448
SHP/ENG = 9666.7 SHP TOTAL = 77333.8
NO FAN = 135.4 NO/SEG = 31.9 LIMIT/SEG = 15.4 VTIP = 387.9
WTFAN = 23490.5 WTGB = 3203.8 WTS = 9028.7
WT AIRU = 35723.1
WT AIRI = 88553.8 WFUEL = 6184.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 53750. WT WING = 272097.
WT SYS = 34571. WT STRUCT = 325797.
TOTAL WEIGHT = 360368. DEL WT = 8985.

FRACTION OF GW/SIDE = .1000 CUSH HT = 113.2 GEAR HT = 152.5
LIFT = 149800.0 L/A = 50.438 H/W = .343 HP = 20276.938
PJ = 144.803 QJ = 77017.295 A = 2.541
SHP/ENG = 14177.2 SHP TOTAL = 113917.7
NO FAN = 135.1 NO/SEG = 31.8 LIMIT/SEG = 15.4 VTIP = 441.2
WTFAN = 30284.2 WTGB = 3563.8 WTS = 13241.5
WT AIRU = 47049.6
WT AIRI = 58862.0 WFUEL = 9073.9 WT TIP GEAR = 3000.
WT MAIN GEAR = 48126. WT WING = 253831.
WT SYS = 70935. WT STRUCT = 301957.
TOTAL WEIGHT = 372893. DEL WT = 21510.

FRACTION OF GW/SIDE = .1278 CUSH HT = 105.0 GEAR HT = 138.0
LIFT = 190246.0 L/A = 64.056 H/W = .321 HP = 27037.458
PJ = 176.107 QJ = 88480.521 A = 2.688
SHP/ENG = 18904.0 SHP TOTAL = 151232.2
NO FAN = 134.3 NO/SEG = 31.6 LIMIT/SEG = 15.4 VTIP = 486.6
WTFAN = 35516.7 WTGB = 3966.2 WTS = 17556.4
WT AIRU = 59239.3
WT AIRI = 72799.2 WFUEL = 12098.6 WT TIP GEAR = 3810.
WT MAIN GEAR = 88459. WT WING = 251700.
WT SYS = 88708. WT STRUCT = 296359.
TOTAL WEIGHT = 385067. DEL WT = 33684.

FRACTION OF GW/SIDE = .1500 CUSH HT = 100.5 GEAR HT = 126.0
LIFT = 224700.0 L/A = 75.657 H/W = .305 HP = 32880.667
PJ = 201.276 QJ = 39818.564 A = 2.799
SHP/ENG = 22982.5 SHP TOTAL = 183915.8
NO FAN = 133.7 NO/SEG = 31.4 LIMIT/SEG = 15.4 VTIP = 520.2
WTFAN = 41553.1 WTGB = 4537.5 WTS = 21472.2
WT AIRU = 67662.7
WT AIRI = 94578.4 WFUEL = 14713.3 WT TIP GEAR = 4500.
WT MAIN GEAR = 42001. WT WING = 243857.
WT SYS = 103792. WT STRUCT = 285858.
TOTAL WEIGHT = 389550. DEL WT = 38267.

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000002	000	060509040610			108 SEMISPAN		
000003	000	.025	.050	0.075	.10	.130	.15
000004	000	43.2	39.2	37.	33.9	30.	50.5
000005	000	2.	4.	6.	6.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	0.075	.10	.130	.15
000008	000	129.5	118.2	98.	71.2	38.	38.
000009	000	.025	.050	0.075	.10	.130	.15
000010	000	273507.	259980.	251500.	247348.	243900.	244653.

END ELT.

TASK UNITS: 1 PGM SIZE: 6104

9501

GW = 1498000.000 LBS CUSHION AREA = 594.2 SQUARE FEET
SNEEP = 40.0 DEGREES L/W = .785 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061

THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5

LIFT = 37450.0 L/A = 63.097 M/W = .131 HP = 70076726

PJ = 373.523 QJ = 10436.434 A = 2.771

SHP/ENG = 4255.6 SHP TOTAL = 39644.7

NO FAN = 11.4 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 708.6

WTFAN = 6591.0 WTGB = 1311.4 WITS = 4628.5

WT AIRU = 12530.9

WT AIRI = 15615.1 WFUEL = 3111.8 WT TIP GEAR = 750.

WT MAIN GEAR = 48657. WT WING = 273500.

WT SYS = 19585. WT STRUCT = 322157.

TOTAL WEIGHT = 341743. DEL WT = -9640.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2

LIFT = 74900.0 L/A = 126.094 M/W = .119 HP = 18310.052

PJ = 704.651 QJ = 19291.517 A = 2.956

SHP/ENG = 12802.0 SHP TOTAL = 102416.0

NO FAN = 11.4 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 973.3

WTFAN = 12396.7 WTGB = 2092.9 WITS = 11957.1

WT AIRU = 26046.7

WT AIRI = 33058.3 WFUEL = 8145.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 45947. WT WING = 259980.

WT SYS = 42752. WT STRUCT = 305927.

TOTAL WEIGHT = 344578. DEL WT = -2705.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.8 GEAR HT = 98.0

LIFT = 112350.0 L/A = 189.141 M/W = .112 HP = 318346994

PJ = 1020.176 QJ = 17162.968 A = 3.074

SHP/ENG = 22258.4 SHP TOTAL = 178056.9

NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1171.1

WTFAN = 17913.1 WTGB = 2937.0 WITS = 20789.3

WT AIRU = 41639.4

WT AIRI = 52049.3 WFUEL = 14245.4 WT TIP GEAR = 2250.

WT MAIN GEAR = 42313. WT WING = 251500.

WT SYS = 68545. WT STRUCT = 294015.

TOTAL WEIGHT = 362160. DEL WT = 11177.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2

LIFT = 149800.0 L/A = 252.189 M/W = .103 HP = 45016.294

PJ = 1287.436 QJ = 19223.753 A = 3.267

SHP/ENG = 31474.4 SHP TOTAL = 251795.5

NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1315.9

WTFAN = 22543.7 WTGB = 4487.1 WITS = 29397.1

WT AIRU = 56427.9

WT AIRI = 70534.9 WFUEL = 20143.6 WT TIP GEAR = 3000.

WT MAIN GEAR = 39263. WT WING = 247348.

WT SYS = 93679. WT STRUCT = 284611.

TOTAL WEIGHT = 380240. DEL WT = 28907.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 59069.722
 PJ = 1548.707 QJ = 20977.722 A = 3.566
 SHP/ENG = 81300.3 SHP TOTAL = 330802.5
 NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1442.9
 WT FAN = 26976.3 WTGR = 7603.6 WTTS = 38574.5
 WT AIRU = 23154.8
 WT AIRI = 91443.0 WFUEL = 26432.2 WT TIP GEAR = 3900.
 WT MAIN GEAR = 36081. WT WING = 243900.
 WT SYS = 121775. WT STRUCT = 279981.
 TOTAL WEIGHT = 401756. DEL WT = 50373.

FRACTION OF GW/SIDE = .1500 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 119819.984
 PJ = 2453.911 QJ = 26860.970 A = 2.510
 SHP/ENG = 83775.6 SHP TOTAL = 470205.0
 NO FAN = 11.4 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1816.1
 WT FAN = 43475.7 WTGR = 51407.9 WTTS = 78286.4
 WT AIRU = 173530.0
 WT AIRI = 216912.5 WFUEL = 53616.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 244553.
 WT SYS = 275029. WT STRUCT = 279904.
 TOTAL WEIGHT = 554933. DEL WT = 203550.

T = 2.0 INCHES T/W = .006061
 THETA = 30.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 6308.348
 PJ = 346.913 QJ = 10001.350 A = 3.237
 SHP/ENG = 4410.7 SHP TOTAL = 30805.5
 NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 482.9
 WT FAN = 6087.1 WTGR = 1227.2 WTTS = 4119.6
 WT AIRU = 11433.8
 WT AIRI = 14292.3 WFUEL = 2422.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 44657. WT WING = 273500.
 WT SYS = 17865. WT STRUCT = 322157.
 TOTAL WEIGHT = 340123. DEL WT = -11340.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.094 H/W = .118 HP = 26118.844
 PJ = 651.357 QJ = 13655.395 A = 3.237
 SHP/ENG = 11307.0 SHP TOTAL = 90456.8
 NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 939.8
 WT FAN = 11368.2 WTGR = 1972.9 WTTS = 10560.3
 WT AIRU = 23921.9
 WT AIRI = 29902.3 WFUEL = 7236.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45947. WT WING = 259980.
 WT SYS = 38639. WT STRUCT = 305927.
 TOTAL WEIGHT = 344266. DEL WT = -6817.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 27995.215
 PJ = 940.517 QJ = 16371.179 A = 3.328

SHP/ENG = 19573.7 SHP TOTAL = 156580.4
 NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1124.5
 WIFAN = 16406.0 WTGB = 2649.8 WTS = 18281.8
 WT AIRU = 37337.6
 WT AIRI = 45672.0 WFUEL = 12527.1 WT TIP GEAR = 225.0
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 61449. WT STRUCT = 294015.
 TOTAL WEIGHT = 355164. DEL WT = 4001.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 39338.719
 PJ = 1182.889 QJ = 18291.189 A = 3.408

SHP/ENG = 27500.8 SHP TOTAL = 220038.3
 NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1261.1
 WIFAN = 20556.6 WTGB = 3688.9 WTS = 25589.5
 WT AIRU = 49931.1
 WT AIRI = 52413.8 WFUEL = 17603.1 WT TIP GEAR = 300.0
 WT MAIN GEAR = 79263. WT WING = 247348.
 WT SYS = 83017. WT STRUCT = 286611.
 TOTAL WEIGHT = 369528. DEL WT = 18245.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 174740.0 L/A = 327.845 H/W = .091 HP = 51203.112

PJ = 1415.610 QJ = 19893.696 A = 3.964
 SHP/ENG = 35800.1 SHP TOTAL = 286401.2
 NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1374.5
 WIFAN = 24458.4 WTGB = 5627.6 WTS = 33437.3
 WT AIRU = 63523.3
 WT AIRI = 79404.1 WFUEL = 22912.1 WT TIP GEAR = 390.0
 WT MAIN GEAR = 36081. WT WING = 245700.
 WT SYS = 106216. WT STRUCT = 279991.
 TOTAL WEIGHT = 386197. DEL WT = 34814.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 108062.523

PJ = 2297.528 QJ = 25868.845 A = 2.706
 SHP/ENG = 75555.1 SHP TOTAL = 604400.4
 NO FAN = 11.4 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1757.5
 WIFAN = 40518.0 WTGB = 38284.9 WTS = 70568.4
 WT AIRU = 149371.3
 WT AIRI = 186714.1 WFUEL = 40555.2 WT TIP GEAR = 450.0
 WT MAIN GEAR = 35251. WT WING = 244653.
 WT SYS = 234569. WT STRUCT = 279904.
 TOTAL WEIGHT = 519174. DEL WT = 149091.

T = 2.0 INCHES T/W = .006061
 THETA = 45.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .1250 CUSH HT = 43.2 GEAR HT = 124.5
 LIFT = 37450.0 L/A = 43.047 H/W = .131 HP = 5955.023

PJ = 334.914 QJ = 9779.411 A = 3.156
 SHP/ENG = 4163.6 SHP TOTAL = 33509.0
 NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 671.0
 WIFAN = 5848.2 WTGB = 1186.2 WTS = 3888.0

WT AIRU = 10923.2

WT AIRI = 13654.0 WFUEL = 2664.7 WT TIP GEAR = 750.

WT MAIN GEAR = 98657. WT WING = 273500.

WT SYS = 17069. WT STRUCT = 322157.

TOTAL WEIGHT = 339226. DEL WT = -12157.

FRACTION OF SW/SIDE = .0500 CUSH MT = 39.2 GEAR MT = 118.2

LIFT = 74900.0 L/A = 126.099 H/W = .119 HP = 13144.556

PJ = 625.698 QJ = 13312.837 A = 3.805

SHP/ENG = 10598.8 SHP TOTAL = 84710.1

NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 917.2

WTFAN = 10881.2 WTGB = 912.1 WTS = 9889.9

WT AIRU = 22683.2 WT AIRI = 28354.0 WFUEL = 6776.8 WT TIP GEAR = 1500.

WT MAIN GEAR = 85987. WT WING = 259980.

WT SYS = 36631. WT STRUCT = 305927.

TOTAL WEIGHT = 342558. DEL WT = -8825.

FRACTION OF SW/SIDE = .0750 CUSH MT = 37.0 GEAR MT = 98.0

LIFT = 112350.0 L/A = 189.191 H/W = .112 HP = 26099.147

PJ = 900.947 QJ = 15932.710 A = 3.566

SHP/ENG = 18218.0 SHP TOTAL = 145983.8

NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1100.5

WTFAN = 15627.1 WTGB = 2525.1 WTS = 17043.4

WT AIRU = 35195.9

WT AIRI = 43994.8 WFUEL = 11674.7 WT TIP GEAR = 2252.

WT MAIN GEAR = 82515. WT WING = 251500.

WT SYS = 57924. WT STRUCT = 294015.

TOTAL WEIGHT = 351938. DEL WT = 555.

FRACTION OF SW/SIDE = .1000 CUSH MT = 33.9 GEAR MT = 73.2

LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 36438.781

PJ = 1128.551 QJ = 17756.882 A = 3.827

SHP/ENG = 25477.2 SHP TOTAL = 223817.9

NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1231.9

WTFAN = 19493.4 WTGB = 3355.8 WTS = 23795.7

WT AIRU = 46644.9

WT AIRI = 58306.1 WFUEL = 16305.4 WT TIP GEAR = 3000.

WT MAIN GEAR = 39263. WT WING = 247348.

WT SYS = 77611. WT STRUCT = 284411.

TOTAL WEIGHT = 364223. DEL WT = 12840.

FRACTION OF SW/SIDE = .1300 CUSH MT = 30.0 GEAR MT = 38.0

LIFT = 194740.0 L/A = 327.945 H/W = .091 HP = 47339.205

PJ = 1344.229 QJ = 19249.255 A = 4.233

SHP/ENG = 32898.8 SHP TOTAL = 263110.6

NO FAN = 11.1 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1300.2

WTFAN = 23059.9 WTGB = 4814.5 WTS = 30714.2

WT AIRU = 58592.6

WT AIRI = 73240.7 WFUEL = 21044.8 WT TIP GEAR = 3900.

WT MAIN GEAR = 75081. WT WING = 243900.

WT SYS = 98190. WT STRUCT = 279981.

TOTAL WEIGHT = 378170. DEL WT = 26787.

FRACTION OF SW/SIDE = .1500 CUSH HT = 30.5 GEAR HT = 30.0
 LIFT = 224700.0 L/A = 378.283 M/W = .153 HP = 103440.072
 PJ = 2237.706 QJ = 25424.468 A = 2.802
 SHP/ENG = 72323.7 SHP TOTAL = 378589.6
 NO FAN = 11.3 NO/SEG = .9 LIMIT/SEG = 3.1 VTIP = 1734.5
 WTFAN = 39300.1 WTGR = 33693.2 WITS = 67550.3
 WT AIRU = 140543.6
 WT AIRI = 175679.5 WFUEL = 46287.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 294653.
 WT SYS = 226467. WT STRUCT = 279904.
 TOTAL WEIGHT = 506371. DEL WT = 154988.

T = 2.0 INCHES T/V = .006061
 THETA = 40.0 DEGREES 108 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 M/W = .131 HP = 5939.638
 PJ = 335.166 QJ = 9746.803 A = 3.176
 SHP/ENG = 4152.9 SHP TOTAL = 33223.0
 NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 671.3
 WTFAN = 5830.9 WTGR = 1183.4 WITS = 3878.8
 WT AIRU = 10893.0
 WT AIRI = 13616.3 WFUEL = 2457.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 48657. WT WING = 273500.
 WT SYS = 17024. WT STRUCT = 322157.
 TOTAL WEIGHT = 339182. DEL WT = -12201.

FRACTION OF SW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 124.844 M/W = .137 HP = 14974.661
 PJ = 622.704 QJ = 13226.281 A = 5.458
 SHP/ENG = 10470.0 SHP TOTAL = 83759.8
 NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 915.0
 WTFAN = 10745.0 WTGR = 1900.6 WITS = 9779.0
 WT AIRU = 22464.6
 WT AIRI = 24080.7 WFUEL = 6700.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45947. WT WING = 259980.
 WT SYS = 36281. WT STRUCT = 305927.
 TOTAL WEIGHT = 342208. DEL WT = -9175.

FRACTION OF SW/SIDE = .0750 CUSH HT = 37.2 GEAR HT = 118.2
 LIFT = 112350.0 L/A = 189.141 M/W = .112 HP = 25601.191
 PJ = 893.988 QJ = 15801.376 A = 3.525
 SHP/ENG = 17955.8 SHP TOTAL = 143646.0
 NO FAN = 11.2 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1096.2
 WTFAN = 15437.5 WTGR = 2497.8 WITS = 16770.7
 WT AIRU = 34705.0
 WT AIRI = 43382.5 WFUEL = 11491.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 57124. WT STRUCT = 294015.
 TOTAL WEIGHT = 351139. DEL WT = -244.

FRACTION OF SW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 149800.0 L/A = 252.189 M/W = .103 HP = 35607.487

PJ = 1119.940 QJ = 27555.173 A = 3.911
 SHP/ENG = 29896.0 SHP TOTAL = 199168.1
 NO FAN = 11.1 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1224.3
 WIFAN = 19165.9 WTGR = 3269.1 WITS = 23252.9
 WT AIRU = 45687.4
 WT AIRI = 57109.2 WFUEL = 15933.4 WT TIP GEAR = 3900.
 WT MAIN GEAR = 79263. WT WING = 297308.
 WT SYS = 76043. WT STRUCT = 286611.
 TOTAL WEIGHT = 362654. DEL WT = 11271.

FRACTION OF SW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.945 H/W = .291 HP = 15542.225

PJ = 1320.460 QJ = 18977.652 A = 4.358
 SHP/ENG = 31856.2 SHP TOTAL = 254849.2
 NO FAN = 11.0 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1332.8
 WIFAN = 22534.4 WTGR = 4559.2 WITS = 29753.6
 WT AIRU = 56847.2
 WT AIRI = 71059.0 WFUEL = 20387.9 WT TIP GEAR = 3900.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 95347. WT STRUCT = 279981.
 TOTAL WEIGHT = 375328. DEL WT = 23945.

FRACTION OF SW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.283 H/W = .453 HP = 129707.897

PJ = 2261.582 QJ = 25478.698 A = 2.790
 SHP/ENG = 73251.3 SHP TOTAL = 596010.2
 NO FAN = 11.3 NO/SEG = .8 LIMIT/SEG = 3.1 VTIP = 1743.7
 WIFAN = 39593.5 WTGR = 34927.1 WITS = 68416.7
 WT AIRU = 142937.2
 WT AIRI = 178671.5 WFUEL = 46880.0 WT TIP GEAR = 3900.
 WT MAIN GEAR = 35251. WT WING = 244655.
 WT SYS = 230052. WT STRUCT = 279904.
 TOTAL WEIGHT = 509957. DEL WT = 158574.

T = 4.0 INCHES T/W = .012121
 THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 43.047 H/W = .131 HP = 5309.079

PJ = 197.929 QJ = 14753.121 A = 2.771
 SHP/ENG = 3712.0 SHP TOTAL = 29596.0
 NO FAN = 22.1 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 515.0
 WIFAN = 6782.2 WTGR = 1319.6 WITS = 3467.8
 WT AIRU = 11563.8
 WT AIRI = 14454.8 WFUEL = 2375.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 98457. WT WING = 273500.
 WT SYS = 17580. WT STRUCT = 382157.
 TOTAL WEIGHT = 339738. DEL WT = -11645.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 13794.689

PJ = 375.581 QJ = 20200.913 A = 2.958
 SHP/ENG = 9645.0 SHP TOTAL = 77159.7
 NO FAN = 22.0 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 719.4

JTFAN = 12792.7 WTGB = 2097.0 WITS = 9008.9
 WT AIRU = 23898.1
 WT AIRI = 29872.6 WFUEL = 5172.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45987, WT WING = 259980.
 WT SYS = 37545. WT STRUCT = 305927.
 TOTAL WEIGHT = 343472. DEL WT = -7911.

FRACTION OF GW/SIDE = .0750 CUSH WT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 24075.183
 PJ = 545.806 QJ = 24258.171 A = 3.074
 SHP/ENG = 15831.5 SHP TOTAL = 134651.7
 NO FAN = 21.9 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 856.4
 JTFAN = 18519.0 WTGB = 2668.7 WITS = 15728.4
 WT AIRU = 36908.5
 WT AIRI = 46135.6 WFUEL = 10772.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 59158. WT STRUCT = 294015.
 TOTAL WEIGHT = 353173. DEL WT = 1790.

FRACTION OF GW/SIDE = .1000 CUSH WT = 33.9 GEAR HT = 73.2
 LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 34245.722
 PJ = 693.286 QJ = 27167.931 A = 3.267
 SHP/ENG = 23283.9 SHP TOTAL = 201551.1
 NO FAN = 21.6 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 965.0
 JTFAN = 23375.1 WTGB = 3486.2 WITS = 22363.6
 WT AIRU = 49184.9
 WT AIRI = 51481.1 WFUEL = 15324.1 WT TIP GEAR = 3000.
 WT MAIN GEAR = 39263. WT WING = 247348.
 WT SYS = 79805. WT STRUCT = 286611.
 TOTAL WEIGHT = 346437. DEL WT = 1595.

FRACTION OF GW/SIDE = .1300 CUSH WT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 45354.912
 PJ = 841.571 QJ = 29681.184 A = 3.566
 SHP/ENG = 31711.1 SHP TOTAL = 253689.1
 NO FAN = 21.6 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 1063.7
 JTFAN = 28098.4 WTGB = 5023.7 WITS = 29618.2
 WT AIRU = 62740.3
 WT AIRI = 78425.3 WFUEL = 20295.1 WT TIP GEAR = 3900.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 102620. WT STRUCT = 287481.
 TOTAL WEIGHT = 382601. DEL WT = 31218.

FRACTION OF GW/SIDE = .1500 CUSH WT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 374.283 H/W = .153 HP = 49016.163
 PJ = 1249.226 QJ = 37975.400 A = 2.510
 SHP/ENG = 62278.2 SHP TOTAL = 497905.9
 NO FAN = 22.3 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 1314.5
 JTFAN = 44556.1 WTGB = 24241.2 WITS = 58130.5
 WT AIRU = 128927.4
 WT AIRI = 152159.5 WFUEL = 39832.5 WT TIP GEAR = 4500.
 WT MAIN GEAR = 55251. WT WING = 244653.
 WT SYS = 205492. WT STRUCT = 279904.
 TOTAL WEIGHT = 485397. DEL WT = 134014.

T = 4.0 INCHES T/W = .012121
THETA = 30.0 DEGREES 108 SEMISPAN

FRACTION OF GW/SIDE = .7250 CUSH HT = 43.2 GEAR HT = 129.5
LIFT = 37450.0 L/A = 63.097 M/W = .131 HP = 4776.798
PJ = 185.859 QJ = 14135.577 A = 3.017
SHP/ENG = 3379.8 SHP TOTAL = 26718.4
NO FAN = 21.9 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 800.9
WTFAN = 6297.2 WTGB = 1234.1 WTS = 3119.0
WT AIRU = 10650.7
WT AIRI = 13313.3 WFUEL = 2137.5 WT TIP GEAR = 750
WT MAIN GEAR = 48657. WT WING = 273500.
WT SYS = 16201. WT STRUCT = 322157.
TOTAL WEIGHT = 138358. DEL WT = -13025.

FRACTION OF GW/SIDE = .7500 CUSH HT = 39.2 GEAR HT = 118.2
LIFT = 74900.0 L/A = 126.094 M/W = .119 HP = 12329.438
PJ = 351.400 QJ = 19297.654 A = 3.237
SHP/ENG = 8420.5 SHP TOTAL = 68963.9
NO FAN = 21.7 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 687.3
WTFAN = 11320.6 WTGB = 1993.9 WTS = 8051.5
WT AIRU = 21846.2
WT AIRI = 27332.9 WFUEL = 5517.1 WT TIP GEAR = 1500.
WT MAIN GEAR = 45947. WT WING = 259980.
WT SYS = 34350. WT STRUCT = 305927.
TOTAL WEIGHT = 340277. DEL WT = -11106.

FRACTION OF GW/SIDE = .7500 CUSH HT = 39.2 GEAR HT = 118.2
LIFT = 112350.0 L/A = 189.141 M/W = .119 HP = 21436.972
PJ = 509.643 QJ = 23133.541 A = 3.178
SHP/ENG = 14959.2 SHP TOTAL = 119906.0
NO FAN = 21.6 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 827.8
WTFAN = 17265.7 WTGB = 2515.7 WTS = 13289.0
WT AIRU = 33580.4
WT AIRI = 41975.5 WFUEL = 9592.5 WT TIP GEAR = 2250.
WT MAIN GEAR = 42515. WT WING = 251500.
WT SYS = 53818. WT STRUCT = 294015.
TOTAL WEIGHT = 347833. DEL WT = -3550.

FRACTION OF GW/SIDE = .7500 CUSH HT = 39.2 GEAR HT = 118.2
LIFT = 149800.0 L/A = 252.189 M/W = .103 HP = 30337.011
PJ = 445.653 QJ = 24842.608 A = 3.608
SHP/ENG = 21211.0 SHP TOTAL = 169688.1
NO FAN = 21.5 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 931.7
WTFAN = 21457.4 WTGB = 3045.3 WTS = 19813.1
WT AIRU = 44353.8
WT AIRI = 55442.2 WFUEL = 13575.1 WT TIP GEAR = 1000.
WT MAIN GEAR = 39263. WT WING = 247348.
WT SYS = 72017. WT STRUCT = 286611.
TOTAL WEIGHT = 358529. DEL WT = 7446.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 30.0

LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 39919.054
 PJ = 781.351 QJ = 28099.380 A = 3.964
 SHP/ENG = 27910.6 SHP TOTAL = 223284.5
 NO FAN = 21.2 NO/SEG = 3.3 LIMIT/SEG = 3.1 VTIP = 1024.9
 WTFAN = 25556.1 WTGR = 4116.6 WTTS = 26068.5
 WT AIRU = 55851.2
 WT AIRI = 59814.0 WFUEL = 17862.8 WT TIP GEAR = 3900.
 WT MAIN GEAR = 36081. WT WING = 243900.
 WT SYS = 91577. WT STRUCT = 279991.
 TOTAL WEIGHT = 371558. DEL WT = 20175.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 81033.367
 PJ = 1218.779 QJ = 36568.036 A = 2.706
 SHP/ENG = 56656.8 SHP TOTAL = 453254.7
 NO FAN = 22.1 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 1280.1
 WTFAN = 41716.1 WTGR = 19903.1 WTTS = 52917.5
 WT AIRU = 114526.8
 WT AIRI = 143283.5 WFUEL = 36260.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 244653.
 WT SYS = 184044. WT STRUCT = 279924.
 TOTAL WEIGHT = 463948. DEL WT = 112565.

T = 4.0 INCHES T/W = .012121
 THETA = 45.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 4551.027
 PJ = 181.126 QJ = 13819.498 A = 3.156
 SHP/ENG = 3182.0 SHP TOTAL = 25455.9
 NO FAN = 21.7 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 493.5
 WTFAN = 6077.5 WTGR = 1196.9 WTTS = 2972.0
 WT AIRU = 10246.4
 WT AIRI = 12808.0 WFUEL = 2036.5 WT TIP GEAR = 750.
 WT MAIN GEAR = 48657. WT WING = 273500.
 WT SYS = 15594. WT STRUCT = 322157.
 TOTAL WEIGHT = 337752. DEL WT = -13631.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 11663.559
 PJ = 341.058 QJ = 18809.014 A = 3.405
 SHP/ENG = 8154.9 SHP TOTAL = 65239.3
 NO FAN = 21.5 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 678.1
 WTFAN = 11350.6 WTGR = 1941.6 WTTS = 7616.7
 WT AIRU = 20904.9
 WT AIRI = 25236.1 WFUEL = 5219.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45447. WT WING = 259980.
 WT SYS = 32655. WT STRUCT = 305927.
 TOTAL WEIGHT = 338782. DEL WT = -12601.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.161 H/W = .112 HP = 20199.434
 PJ = 493.575 QJ = 22508.628 A = 3.566
 SHP/ENG = 14173.0 SHP TOTAL = 112984.2

NO FAN = 21.4 NO/SEG = 3.3 LIMIT/SEG = 3.1 VTIP = 814.6
 WIFAN = 16340.5 WTGR = 2444.4 WTS = 13190.9
 WT AIRU = 31975.8
 WT AIRI = 39949.7 WFUEL = 9039.7 WT TIP GEAR = 2253.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 51258. WT STRUCT = 294015.
 TOTAL WEIGHT = 345273. DEL WT = -6110.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 28427.575
 PJ = 623.393 QJ = 25090.795 A = 3.927
 SHP/ENG = 19876.0 SHP TOTAL = 159007.7
 NO FAN = 21.2 NO/SEG = 3.3 LIMIT/SEG = 3.1 VTIP = 915.57
 WIFAN = 20462.6 WTGR = 2934.7 WTS = 18564.2
 WT AIRU = 41961.5
 WT AIRI = 52451.9 WFUEL = 12720.6 WT TIP GEAR = 3003.
 WT MAIN GEAR = 79263. WT WING = 247348.
 WT SYS = 68172. WT STRUCT = 286411.
 TOTAL WEIGHT = 354784. DEL WT = 3401.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.945 H/W = .091 HP = 37149.641
 PJ = 751.755 QJ = 27170.467 A = 4.233
 SHP/ENG = 25974.3 SHP TOTAL = 207794.0
 NO FAN = 20.9 NO/SEG = 3.2 LIMIT/SEG = 3.1 VTIP = 1005.3
 WIFAN = 24351.1 WTGR = 3746.8 WTS = 24260.0
 WT AIRU = 52357.8
 WT AIRI = 65447.3 WFUEL = 16623.5 WT TIP GEAR = 3903.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 85971. WT STRUCT = 279981.
 TOTAL WEIGHT = 365952. DEL WT = 14569.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.281 H/W = .153 HP = 78187.564
 PJ = 1196.585 QJ = 35935.251 A = 2.802
 SHP/ENG = 54657.1 SHP TOTAL = 437336.9
 NO FAN = 21.9 NO/SEG = 3.5 LIMIT/SEG = 3.1 VTIP = 1268.1
 WIFAN = 40621.0 WTGR = 18040.7 WTS = 51059.1
 WT AIRU = 109720.8
 WT AIRI = 137151.0 WFUEL = 34986.9 WT TIP GEAR = 4503.
 WT MAIN GEAR = 35251. WT WING = 244653.
 WT SYS = 176638. WT STRUCT = 274904.
 TOTAL WEIGHT = 456542. DEL WT = 105159.

T = 4.0 INCHES T/W = .012121
 THETA = 60.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .2250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 17450.0 L/A = 63.047 H/W = .131 HP = 4571.322
 PJ = 192.549 QJ = 13771.370 A = 3.176
 SHP/ENG = 3126.2 SHP TOTAL = 25569.4
 NO FAN = 21.5 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 495.4
 WIFAN = 6040.4 WTGR = 1197.7 WTS = 2985.2
 WT AIRU = 10263.3

WT AIRI = 12829.1 WFUEL = 2045.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 98657. WT WING = 273500.
 WT SYS = 15625. WT STRUCT = 322157.
 TOTAL WEIGHT = 337782. DEL WT = -13601.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.099 H/W = .119 HP = 11621.815
 PJ = 342.113 QJ = 18683.927 A = 3.450
 SHP/ENG = 8125.8 SHP TOTAL = 45006.0
 NO FAN = 21.3 NO/SEG = 3.3 LIMIT/SEG = 3.1 VTIP = 679.2
 WIFAN = 11292.6 WTGB = 1935.0 WITS = 7589.5
 WT AIRU = 20817.0

WT AIRI = 26021.2 WFUEL = 5200.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 95947. WT WING = 259980.
 WT SYS = 32722. WT STRUCT = 305927.
 TOTAL WEIGHT = 338648. DEL WT = -12735.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 20037.949
 PJ = 493.798 QJ = 22318.604 A = 3.625
 SHP/ENG = 14010.1 SHP TOTAL = 112090.9
 NO FAN = 21.2 NO/SEG = 3.3 LIMIT/SEG = 3.1 VTIP = 814.8
 WIFAN = 16206.2 WTGB = 2432.0 WITS = 13285.4

WT AIRU = 31723.6
 WT AIRI = 39654.5 WFUEL = 8966.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 92515. WT WING = 251300.
 WT SYS = 50871. WT STRUCT = 294015.
 TOTAL WEIGHT = 344846. DEL WT = -6497.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 28024.183
 PJ = 621.402 QJ = 24804.060 A = 3.911
 SHP/ENG = 19593.9 SHP TOTAL = 156751.4
 NO FAN = 21.0 NO/SEG = 3.2 LIMIT/SEG = 3.1 VTIP = 914.0
 WIFAN = 20204.6 WTGB = 2901.8 WITS = 18300.7
 WT AIRU = 41407.1
 WT AIRI = 51758.9 WFUEL = 12540.1 WT TIP GEAR = 3000.
 WT MAIN GEAR = 39263. WT WING = 247348.
 WT SYS = 67299. WT STRUCT = 286611.
 TOTAL WEIGHT = 353910. DEL WT = 2527.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 36337.226
 PJ = 746.063 QJ = 26797.909 A = 4.354
 SHP/ENG = 25406.2 SHP TOTAL = 203249.8
 NO FAN = 20.7 NO/SEG = 3.2 LIMIT/SEG = 3.1 VTIP = 1001.5
 WIFAN = 23909.3 WTGB = 3645.6 WITS = 23729.4
 WT AIRU = 51284.3
 WT AIRI = 54105.4 WFUEL = 15260.0 WT TIP GEAR = 3900.
 WT MAIN GEAR = 36081. WT WING = 243400.
 WT SYS = 84265. WT STRUCT = 274991.
 TOTAL WEIGHT = 364246. DEL WT = 12843.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 374.283 H/W = .153 HP = 79672.974
 PJ = 1216.957 QJ = 36007.957 A = 2.790
 SHP/ENG = 55775.7 SHP TOTAL = 845645.4
 NO FAN = 21.8 NO/SEG = 3.4 LIMIT/SEG = 3.1 VTIP = 1279.1
 WIFAN = 41046.5 WTGH = 19988.4 WITS = 52029.1
 WT AIRU = 112069.0
 WT AIRI = 140080.0 WFUEL = 35651.6 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 244553.
 WT SYS = 180232. WT STRUCT = 279904.
 TOTAL WEIGHT = 460136. DEL WT = 108753.

T = 6.0 INCHES T/W = .018182
 THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 4588.949
 PJ = 139.781 QJ = 18056.219 A = 2.771
 SHP/ENG = 3208.5 SHP TOTAL = 25668.0
 NO FAN = 32.2 NO/SEG = 6.1 LIMIT/SEG = 3.1 VTIP = 433.5
 WIFAN = 4975.8 WTGH = 1336.6 WITS = 2996.7
 WT AIRU = 11309.1
 WT AIRI = 14135.3 WFUEL = 2053.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 48557. WT WING = 273500.
 WT SYS = 16940. WT STRUCT = 322157.
 TOTAL WEIGHT = 339197. DEL WT = -12286.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.099 H/W = .119 HP = 11990.451
 PJ = 266.777 QJ = 24720.094 A = 2.956
 SHP/ENG = 8383.5 SHP TOTAL = 67057.6
 NO FAN = 31.9 NO/SEG = 6.0 LIMIT/SEG = 3.1 VTIP = 598.9
 WIFAN = 13193.6 WTGH = 2148.0 WITS = 7830.2
 WT AIRU = 23171.8
 WT AIRI = 28564.7 WFUEL = 5365.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 75947. WT WING = 259980.
 WT SYS = 35830. WT STRUCT = 305927.
 TOTAL WEIGHT = 341757. DEL WT = -9626.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 20999.314
 PJ = 349.112 QJ = 29682.000 A = 3.074
 SHP/ENG = 14582.3 SHP TOTAL = 117458.2
 NO FAN = 31.4 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 723.3
 WIFAN = 14132.4 WTGH = 2672.1 WITS = 13713.3
 WT AIRU = 31171.8
 WT AIRI = 44397.3 WFUEL = 9396.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42525. WT WING = 251500.
 WT SYS = 10044. WT STRUCT = 124401.
 TOTAL WEIGHT = 300549. DEL WT = -1324.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 144000.0 L/A = 252.189 H/W = .103 HP = 30045.450
 PJ = 397.119 QJ = 33213.403 A = 3.247

SHP/ENG = 21007.2 SHP TOTAL = 168057.3
 NO FAN = 31.5 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 817.6
 WIFAN = 24216.9 WTGB = 3249.9 WITS = 19520.7
 WT AIRU = 47087.4
 WT AIRI = 58859.3 WFUEL = 13444.6 WT TIP GEAR = 3000.
 WT MAIN GEAR = 39263. WT WING = 247348.
 WT SYS = 75304. WT STRUCT = 286611.
 TOTAL WEIGHT = 361915. DEL WT = 10532.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 40144.023
 PJ = 609.061 QJ = 36251.243 A = 3.566
 SHP/ENG = 28067.9 SHP TOTAL = 224542.9
 NO FAN = 31.0 NO/SEG = 5.7 LIMIT/SEG = 3.1 VTIP = 904.9
 WIFAN = 29234.3 WTGB = 4405.1 WITS = 26215.1
 WT AIRU = 59854.8
 WT AIRI = 74818.5 WFUEL = 17963.4 WT TIP GEAR = 3900.
 WT MAIN GEAR = 76081. WT WING = 293900.
 WT SYS = 96682. WT STRUCT = 279931.
 TOTAL WEIGHT = 376663. DEL WT = 25280.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 778.263 H/W = .153 HP = 76328.013
 PJ = 903.069 QJ = 46486.368 A = 2.510
 SHP/ENG = 53367.0 SHP TOTAL = 425935.6
 NO FAN = 32.6 NO/SEG = 6.2 LIMIT/SEG = 3.1 VTIP = 1101.9
 WIFAN = 45648.5 WTGB = 18659.3 WITS = 49844.7
 WT AIRU = 114152.5
 WT AIRI = 142690.6 WFUEL = 34150.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 294653.
 WT SYS = 181345. WT STRUCT = 279904.
 TOTAL WEIGHT = 461250. DEL WT = 109867.

T = 6.0 INCHES T/W = .019182
 THETA = 30.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 174500.0 L/A = 63.047 H/W = .131 HP = 4172.238
 PJ = 132.678 QJ = 17295.452 A = 3.017
 SHP/ENG = 2917.1 SHP TOTAL = 23337.1
 NO FAN = 31.7 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 422.3
 WIFAN = 6509.9 WTGB = 1259.5 WITS = 2724.6
 WT AIRU = 10494.0
 WT AIRI = 13117.5 WFUEL = 1967.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 49657. WT WING = 273500.
 WT SYS = 15734. WT STRUCT = 322157.
 TOTAL WEIGHT = 337892. DEL WT = 13491.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 116.2
 LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 10839.741
 PJ = 252.550 QJ = 23626.507 A = 3.237
 SHP/ENG = 7578.9 SHP TOTAL = 60651.5
 NO FAN = 31.3 NO/SEG = 5.8 LIMIT/SEG = 3.1 VTIP = 582.7
 WIFAN = 12008.9 WTGB = 2049.6 WITS = 7078.7

WT AIRU = 21347.1
 WT AIRI = 26733.9 WFUEL = 4450.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45947. WT WING = 259980.
 WT SYS = 33084. WT STRUCT = 305927.
 TOTAL WEIGHT = 339011. DEL WT = -12372.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 18925.264
 PJ = 367.370 QJ = 28294.000 A = 3.378
 SHP/ENG = 13232.1 SHP TOTAL = 105857.2
 NO FAN = 31.1 NO/SEG = 5.8 LIMIT/SEG = 3.1 VTIP = 703.3
 WTFAN = 17733.6 WTGR = 2552.4 WITS = 12358.8
 WT AIRU = 32644.8
 WT AIRI = 40806.1 WFUEL = 3463.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 51525. WT STRUCT = 294015.
 TOTAL WEIGHT = 345540. DEL WT = -5843.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 26962.380
 PJ = 469.271 QJ = 31600.724 A = 3.608
 SHP/ENG = 18851.5 SHP TOTAL = 150812.3
 NO FAN = 30.8 NO/SEG = 5.7 LIMIT/SEG = 3.1 VTIP = 794.3
 WTFAN = 22369.1 WTGR = 3009.1 WITS = 17607.3
 WT AIRU = 42985.5
 WT AIRI = 53731.9 WFUEL = 12065.0 WT TIP GEAR = 3000.
 WT MAIN GEAR = 79263. WT WING = 247348.
 WT SYS = 68797. WT STRUCT = 286611.
 TOTAL WEIGHT = 355408. DEL WT = 4025.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 35841.574
 PJ = 573.950 QJ = 34345.961 A = 3.964
 SHP/ENG = 25059.7 SHP TOTAL = 200477.4
 NO FAN = 30.3 NO/SEG = 5.6 LIMIT/SEG = 3.1 VTIP = 878.4
 WTFAN = 26887.6 WTGR = 3803.5 WITS = 23405.7
 WT AIRU = 54295.9
 WT AIRI = 67621.1 WFUEL = 16034.2 WT TIP GEAR = 3900.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 87559. WT STRUCT = 279937.
 TOTAL WEIGHT = 367540. DEL WT = 16157.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 70116.501
 PJ = 621.888 QJ = 44754.108 A = 2.706
 SHP/ENG = 49074.0 SHP TOTAL = 392191.9
 NO FAN = 32.0 NO/SEG = 6.0 LIMIT/SEG = 3.1 VTIP = 1076.3
 WTFAN = 41224.7 WTGR = 14679.1 WITS = 45788.4
 WT AIRU = 110345.3
 WT AIRI = 122445.3 WFUEL = 31375.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 120251. WT WING = 215553.
 WT SYS = 144001. WT STRUCT = 279404.
 TOTAL WEIGHT = 445025. DEL WT = 93542.

T = 5.0 INCHES T/W = .018182
THETA = 45.0 DEGREES 10% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 4010.318
PJ = 130.483 QJ = 16973.939 A = 3.156
SHP/ENG = 2893.9 SHP TOTAL = 22431.4
NO FAN = 31.2 NO/SEG = 5.8 LIMIT/SEG = 3.1 VTIP = 418.8
WTFAN = 6309.6 WTGR = 1225.9 WTIS = 2618.9
WT AIRU = 10154.4
WT AIRI = 12693.0 WFUEL = 1794.5 WT TIP GEAR = 750.
WT MAIN GEAR = 98657. WT WING = 273500.
WT SYS = 15237. WT STRUCT = 322157.
TOTAL WEIGHT = 337395. DEL WT = -13988.

FRACTION OF SW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 116.2
LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 10353.126
PJ = 247.564 QJ = 23001.042 A = 3.405
SHP/ENG = 7278.7 SHP TOTAL = 57909.5
NO FAN = 30.9 NO/SEG = 5.7 LIMIT/SEG = 3.1 VTIP = 576.9
WTFAN = 11825.8 WTGR = 2001.4 WTIS = 6760.9
WT AIRU = 20589.1
WT AIRI = 25735.2 WFUEL = 4632.8 WT TIP GEAR = 1500.
WT MAIN GEAR = 45947. WT WING = 259980.
WT SYS = 31868. WT STRUCT = 305927.
TOTAL WEIGHT = 337795. DEL WT = -13588.

FRACTION OF SW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 18013.132
PJ = 359.998 QJ = 27520.232 A = 3.566
SHP/ENG = 12594.4 SHP TOTAL = 100755.2
NO FAN = 30.6 NO/SEG = 5.7 LIMIT/SEG = 3.1 VTIP = 695.7
WTFAN = 17062.5 WTGR = 2495.4 WTIS = 11763.2
WT AIRU = 32321.1
WT AIRI = 39151.3 WFUEL = 8060.4 WT TIP GEAR = 2250.
WT MAIN GEAR = 42515. WT WING = 251500.
WT SYS = 49462. WT STRUCT = 294015.
TOTAL WEIGHT = 343477. DEL WT = -7906.

FRACTION OF SW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 25539.806
PJ = 458.219 QJ = 30655.436 A = 3.827
SHP/ENG = 17856.9 SHP TOTAL = 142855.2
NO FAN = 30.2 NO/SEG = 5.6 LIMIT/SEG = 3.1 VTIP = 784.9
WTFAN = 21442.4 WTGR = 2907.7 WTIS = 16678.3
WT AIRU = 41028.5
WT AIRI = 51285.6 WFUEL = 11028.4 WT TIP GEAR = 3000.
WT MAIN GEAR = 79263. WT WING = 247348.
WT SYS = 65714. WT STRUCT = 284511.
TOTAL WEIGHT = 352325. DEL WT = 942.

FRACTION OF SW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
LIFT = 184740.0 L/A = 727.845 H/W = .091 HP = 33753.653

PJ = 559.121 QJ = 33203.025 A = 4.233
 SHP/ENG = 23599.8 SHP TOTAL = 188798.8
 NO FAN = 29.6 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 867.0
 WIFAN = 25659.9 WTGR = 3560.1 WITS = 22082.3
 WT AIRU = 51257.3
 WT AIRI = 64071.6 WFUEL = 15103.9 WT TIP GEAR = 3900.
 WT MAIN GEAR = 74081. WT WING = 283900.
 WT SYS = 83076. WT STRUCT = 279981.
 TOTAL WEIGHT = 363056. DEL WT = 11673.

FRACTION OF GW/SIDE = .0500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 378.293 H/W = .153 HP = 58174.233
 PJ = 852.776 QJ = 43970.459 A = 2.802
 SHP/ENG = 47667.4 SHP TOTAL = 381339.2
 NO FAN = 31.8 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 1070.7
 WIFAN = 41958.3 WTGR = 17562.9 WITS = 44521.3
 WT AIRU = 100042.6
 WT AIRI = 125053.2 WFUEL = 30507.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 244653.
 WT SYS = 160060. WT STRUCT = 279904.
 TOTAL WEIGHT = 439965. DEL WT = 98582.

T = 0.0 INCHES T/W = .018162

THETA = 60.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 4055.142
 PJ = 132.434 QJ = 16881.044 A = 3.176
 SHP/ENG = 2875.3 SHP TOTAL = 22662.2
 NO FAN = 30.9 NO/SEG = 5.7 LIMIT/SEG = 3.1 VTIP = 422.9
 WIFAN = 6333.0 WTGR = 1230.1 WITS = 2648.1
 WT AIRU = 10211.3
 WT AIRI = 12764.1 WFUEL = 1814.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 48657. WT WING = 273500.
 WT SYS = 15329. WT STRUCT = 322157.
 TOTAL WEIGHT = 337886. DEL WT = -13897.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 10390.879
 PJ = 250.201 QJ = 22881.528 A = 3.450
 SHP/ENG = 7265.1 SHP TOTAL = 58120.7
 NO FAN = 30.5 NO/SEG = 5.6 LIMIT/SEG = 3.1 VTIP = 580.8
 WIFAN = 11906.2 WTGR = 1998.8 WITS = 6785.6
 WT AIRU = 20590.6
 WT AIRI = 25738.2 WFUEL = 4449.7 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45447. WT WING = 259480.
 WT SYS = 31688. WT STRUCT = 305927.
 TOTAL WEIGHT = 337815. DEL WT = -13568.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 149.141 H/W = .112 HP = 18009.813
 PJ = 363.011 QJ = 27279.194 A = 3.628
 SHP/ENG = 12588.6 SHP TOTAL = 100708.7
 NO FAN = 30.2 NO/SEG = 5.6 LIMIT/SEG = 3.1 VTIP = 698.4

WTFAN = 16983.7 WTGR = 2448.5 WITS = 11757.7
 WT AIRU = 31230.0
 WT AIRI = 39037.4 WFUEL = 9056.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 49344. WT STRUCT = 294015.
 TOTAL WEIGHT = 343359. DEL WT = -4024.

FRACTION OF GW/SIDE = .0000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 149600.0 L/A = 252.189 H/W = .103 HP = 25382.039
 PJ = 460.640 OJ = 30395.902 A = 3.911
 SHP/ENG = 17746.6 SHP TOTAL = 141972.7
 NO FAN = 29.8 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 786.9

WTFAN = 21254.4 WTGR = 2890.5 WITS = 16575.9
 WT AIRU = 40720.2
 WT AIRI = 50900.2 WFUEL = 11357.0 WT TIP GEAR = 3000.
 WT MAIN GEAR = 39263. WT WING = 247348.
 WT SYS = 65258. WT STRUCT = 286611.
 TOTAL WEIGHT = 351469. DEL WT = 496.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 174740.0 L/A = 427.845 H/W = .091 HP = 33309.031
 PJ = 560.082 OJ = 32709.433 A = 4.354
 SHP/ENG = 23249.0 SHP TOTAL = 146311.8

NO FAN = 29.2 NO/SEG = 5.3 LIMIT/SEG = 3.1 VTIP = 867.7
 WTFAN = 25295.2 WTGR = 3506.1 WITS = 21751.9
 WT AIRU = 50553.2
 WT AIRI = 53191.5 WFUEL = 14904.9 WT TIP GEAR = 3900.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 81996. WT STRUCT = 279951.

TOTAL WEIGHT = 361977. DEL WT = 3094.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 376.283 H/W = .153 HP = 69877.557
 PJ = 472.447 OJ = 44051.592 A = 2.790
 SHP/ENG = 48856.9 SHP TOTAL = 390855.4
 NO FAN = 31.5 NO/SEG = 5.9 LIMIT/SEG = 3.1 VTIP = 1083.0
 WTFAN = 42517.8 WTGR = 14465.2 WITS = 45632.0

WT AIRU = 102615.4
 WT AIRI = 128269.3 WFUEL = 31265.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 244653.
 WT SYS = 164038. WT STRUCT = 279904.
 TOTAL WEIGHT = 443942. DEL WT = 92559.

T = 8.0 INCHES T/W = .024242
 THETA = 15.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 4203.608
 PJ = 110.996 OJ = 20829.455 A = 2.771
 SHP/ENG = 2979.1 SHP TOTAL = 23512.6
 NO FAN = 41.7 NO/SEG = 8.9 LIMIT/SEG = 3.1 VTIP = 386.3

WTFAN = 7170.9 WTGR = 1363.9 WITS = 2745.1
 WT AIRU = 11279.9
 WT AIRI = 14099.8 WFUEL = 1881.0 WT TIP GEAR = 750.

WT MAIN GEAR = 48657. WT WING = 273500.
WT SYS = 16731. WT STRUCT = 322157.
TOTAL WEIGHT = 338888. DEL WT = -12495.

FRACTION OF SW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
LIFT = 74900.0 L/A = 124.094 M/W = .119 HP = 11042.594
PJ = 213.019 QJ = 28511.145 A = 2.056
SHP/ENG = 7720.8 SHP TOTAL = 61766.0
NO FAN = 11.2 VC/SEG = 8.3 LIMIT/SEG = 3.1 VTIP = 535.1
WTFAN = 13597.7 WTGR = 2204.4 WTS = 7211.2
WT AIRU = 23013.3
WT AIRI = 29766.6 WFUEL = 4981.3 WT TIP GEAR = 1522
WT MAIN GEAR = 45947. WT WING = 259980.
WT SYS = 35208. WT STRUCT = 305927.
TOTAL WEIGHT = 341135. DEL WT = -10248.

FRACTION OF SW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
LIFT = 112350.0 L/A = 189.141 M/W = .112 HP = 17405.027
PJ = 311.802 QJ = 34229.312 A = 3.074
SHP/ENG = 13547.6 SHP TOTAL = 108540.7
NO FAN = 40.9 VC/SEG = 8.2 LIMIT/SEG = 3.1 VTIP = 640.4
WTFAN = 19750.5 WTGR = 2720.0 WTS = 12672.1
WT AIRU = 35142.6
WT AIRI = 43928.3 WFUEL = 8683.3 WT TIP GEAR = 2252
WT MAIN GEAR = 42515. WT WING = 251500.
WT SYS = 54862. WT STRUCT = 298015.
TOTAL WEIGHT = 348876. DEL WT = -2507.

FRACTION OF SW/SIDE = .1000 CUSH HT = 35.9 GEAR HT = 75.2
LIFT = 149400.0 L/A = 252.189 M/W = .103 HP = 27915.075
PJ = 400.481 QJ = 38319.245 A = 3.247
SHP/ENG = 19518.3 SHP TOTAL = 156146.1
NO FAN = 40.4 VC/SEG = 8.1 LIMIT/SEG = 3.1 VTIP = 733.9
WTFAN = 25064.3 WTGR = 3219.1 WTS = 18230.1
WT AIRU = 46513.5
WT AIRI = 58141.9 WFUEL = 12491.7 WT TIP GEAR = 3007.
WT MAIN GEAR = 39263. WT WING = 247348.
WT SYS = 73634. WT STRUCT = 286611.
TOTAL WEIGHT = 360245. DEL WT = 8862.

FRACTION OF SW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
LIFT = 194740.0 L/A = 327.445 M/W = .091 HP = 37607.298
PJ = 445.090 QJ = 41778.271 A = 3.566
SHP/ENG = 26204.2 SHP TOTAL = 210353.6
NO FAN = 39.5 VC/SEG = 7.0 LIMIT/SEG = 3.1 VTIP = 815.8
WTFAN = 30376.1 WTGR = 4205.7 WTS = 24558.8
WT AIRU = 59140.6
WT AIRI = 73925.7 WFUEL = 16924.3 WT TIP GEAR = 3903.
WT MAIN GEAR = 76081. WT WING = 243900.
WT SYS = 94654. WT STRUCT = 279941.
TOTAL WEIGHT = 374635. DEL WT = 23252.

FRACTION OF SW/SIDE = .1500 CUSH HT = 30.5 GEAR HT = 38.0

LIFT = 224700.0 L/A = 778.293 H/W = .153 HP = 69379.869
 PJ = 711.393 QJ = 53639.742 A = 2.510
 SHP/ENG = 98529.0 SHP TOTAL = 798071.6
 NO FAN = 92.4 NO/SEG = 8.6 LIMIT/SEG = 3.1 VTIP = 978.0
 WIFAN = 46750.0 WIGB = 15266.9 WITS = 45307.4
 WT AIRU = 107324.2
 WT AIRI = 134155.3 WFUEL = 31285.7 WT TIP GEAR = 9501.
 WT MAIN GEAR = 35251. WT WING = 294653.
 WT SYS = 169701. WT STRUCT = 279904.
 TOTAL WEIGHT = 499605. DEL WT = 98222.

T = 8.0 INCHES T/W = .029242

THETA = 30.0 DEGREES 10% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 3860.240
 PJ = 106.454 QJ = 19944.098 A = 3.017
 SHP/ENG = 2699.0 SHP TOTAL = 21592.0
 NO FAN = 40.8 NO/SEG = 8.2 LIMIT/SEG = 3.1 VTIP = 378.3
 WIFAN = 6724.1 WIGB = 1290.2 WITS = 2520.9
 WT AIRU = 10535.2
 WT AIRI = 13169.0 WFUEL = 1727.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 48657. WT WING = 273500.
 WT SYS = 15646. WT STRUCT = 322157.
 TOTAL WEIGHT = 337804. DEL WT = -13579.1

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 10091.178
 PJ = 203.943 QJ = 27214.231 A = 3.237
 SHP/ENG = 7055.5 SHP TOTAL = 56444.3
 NO FAN = 40.2 NO/SEG = 8.1 LIMIT/SEG = 3.1 VTIP = 525.6
 WIFAN = 12599.6 WIGB = 2109.5 WITS = 6589.9
 WT AIRU = 21399.0
 WT AIRI = 26749.7 WFUEL = 4515.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45947. WT WING = 259990.
 WT SYS = 32764. WT STRUCT = 305927.
 TOTAL WEIGHT = 338691. DEL WT = -12692.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 17686.927
 PJ = 298.281 QJ = 52612.952 A = 3.378
 SHP/ENG = 12366.3 SHP TOTAL = 98930.6
 NO FAN = 39.9 NO/SEG = 8.0 LIMIT/SEG = 3.1 VTIP = 633.3
 WIFAN = 18405.3 WIGB = 2514.7 WITS = 11550.2
 WT AIRU = 32570.1
 WT AIRI = 40712.7 WFUEL = 7214.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 50577. WT STRUCT = 294013.
 TOTAL WEIGHT = 344492. DEL WT = -2491.

FRACTION OF GW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
 LIFT = 144800.0 L/A = 252.189 H/W = .103 HP = 25354.943
 PJ = 382.992 QJ = 36411.268 A = 3.608
 SHP/ENG = 17727.6 SHP TOTAL = 141821.2

NO FAN = 39.3 NO/SEG = 7.8 LIMIT/SEG = 3.1 VTIP = 717.6

WTFAN = 23288.7 WTGB = 3030.4 WTS = 16557.6

WT AIRU = 42872.7

WT AIRI = 53590.9 WFUEL = 11345.7 WT TIP GEAR = 3000.

WT MAIN GEAR = 39263. WT WING = 247388.

WT SYS = 67937. WT STRUCT = 285611.

TOTAL WEIGHT = 354588. DEL WT = 3165.

FRACTION OF GW/SIDE = .2300 CUSH HT = 39.0 GEAR HT = 38.0

LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 34019.679

PJ = 473.060 QJ = 39552.735 A = 3.944

SHP/ENG = 23785.8 SHP TOTAL = 190296.8

NO FAN = 38.4 NO/SEG = 7.6 LIMIT/SEG = 3.1 VTIP = 797.5

WTFAN = 28110.9 WTGB = 3739.5 WTS = 22216.0

WT AIRU = 58066.4

WT AIRI = 57583.0 WFUEL = 15222.9 WT TIP GEAR = 3900.

WT MAIN GEAR = 36081. WT WING = 243900.

WT SYS = 86704. WT STRUCT = 274931.

TOTAL WEIGHT = 366587. DEL WT = 15304.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0

LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 64298.403

PJ = 684.948 QJ = 31625.973 A = 2.704

SHP/ENG = 44953.3 SHP TOTAL = 359626.4

NO FAN = 41.6 NO/SEG = 8.4 LIMIT/SEG = 3.1 VTIP = 959.6

WTFAN = 44151.2 WTGB = 12370.3 WTS = 41996.8

WT AIRU = 98507.6

WT AIRI = 123134.6 WFUEL = 28770.1 WT TIP GEAR = 4500.

WT MAIN GEAR = 35251. WT WING = 248653.

WT SYS = 156405. WT STRUCT = 279904.

TOTAL WEIGHT = 436309. DEL WT = 84926.

T = 8.0 INCHES T/W = .024242

THETA = 45.0 DEGREES 108 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5

LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 3741.389

PJ = 105.506 QJ = 19485.240 A = 3.156

SHP/ENG = 2615.9 SHP TOTAL = 20927.2

NO FAN = 40.0 NO/SEG = 8.0 LIMIT/SEG = 3.1 VTIP = 174.8

WTFAN = 6543.2 WTGB = 12600.0 WTS = 2443.5

WT AIRU = 10246.5

WT AIRI = 12808.1 WFUEL = 1674.2 WT TIP GEAR = 752.

WT MAIN GEAR = 84657. WT WING = 273500.

WT SYS = 15232. WT STRUCT = 322157.

TOTAL WEIGHT = 337190. DEL WT = 13993.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2

LIFT = 74900.0 L/A = 125.094 H/W = .119 HP = 9724.634

PJ = 201.900 QJ = 26504.142 A = 3.405

SHP/ENG = 4709.3 SHP TOTAL = 54390.1

NO FAN = 39.4 NO/SEG = 7.8 LIMIT/SEG = 3.1 VTIP = 520.7

WTFAN = 12303.1 WTGB = 2065.0 WTS = 4350.5

WT AIRU = 20718.4

WT AIRI = 25896.3 WFUEL = 4351.5 WT TIP GEAR = 1501.

WT MAIN GEAR = 45947. WT WING = 259980.

WT SYS = 31750. WT STRUCT = 305927.

TOTAL WEIGHT = 337677. DEL WT = -13706.

FRACTION OF BW/SIDE = .0750 CUSH WT = 37.0 GEAR HT = 48.0

LIFT = 112350.0 L/A = 189.181 H/W = .112 HP = 16991.826

PJ = 294.773 QJ = 31704.071 A = 3.566

SHP/ENG = 11800.3 SHP TOTAL = 95042.6

NO FAN = 39.0 NO/SEG = 7.7 LIMIT/SEG = 3.1 VTIP = 620.5

WTFAN = 17786.8 WTGB = 2564.8 WTS = 11096.2

WT AIRU = 31887.9

WT AIRI = 39309.9 WFUEL = 7603.4 WT TIP GEAR = 2250.

WT MAIN GEAR = 42515. WT WING = 251500.

WT SYS = 49163. WT STRUCT = 294015.

TOTAL WEIGHT = 343178. DEL WT = -8205.

FRACTION OF BW/SIDE = .1000 CUSH WT = 33.9 GEAR HT = 73.2

LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 24255.244

PJ = 377.899 QJ = 35301.477 A = 3.927

SHP/ENG = 16959.8 SHP TOTAL = 135670.1

NO FAN = 38.3 NO/SEG = 7.6 LIMIT/SEG = 3.1 VTIP = 712.8

WTFAN = 22424.4 WTGB = 2950.5 WTS = 15839.5

WT AIRU = 41214.3

WT AIRI = 51517.9 WFUEL = 10853.6 WT TIP GEAR = 3000.

WT MAIN GEAR = 39263. WT WING = 247398.

WT SYS = 65372. WT STRUCT = 286611.

TOTAL WEIGHT = 351983. DEL WT = 600.

FRACTION OF BW/SIDE = .1300 CUSH WT = 30.0 GEAR HT = 38.0

LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 32379.912

PJ = 466.092 QJ = 38209.092 A = 4.233

SHP/ENG = 22639.4 SHP TOTAL = 191114.9

NO FAN = 37.4 NO/SEG = 7.3 LIMIT/SEG = 3.1 VTIP = 791.5

WTFAN = 26955.2 WTGB = 3553.5 WTS = 21145.2

WT AIRU = 53553.9

WT AIRI = 64567.3 WFUEL = 14489.2 WT TIP GEAR = 3900.

WT MAIN GEAR = 36081. WT WING = 243900.

WT SYS = 82957. WT STRUCT = 279981.

TOTAL WEIGHT = 362937. DEL WT = 1154.

FRACTION OF BW/SIDE = .1500 CUSH WT = 30.5 GEAR HT = 38.0

LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 62975.450

PJ = 443.059 QJ = 40707.595 A = 2.907

SHP/ENG = 44021.5 SHP TOTAL = 752251.7

NO FAN = 40.9 NO/SEG = 8.2 LIMIT/SEG = 3.1 VTIP = 958.3

WTFAN = 43305.7 WTGB = 11670.6 WTS = 41125.4

WT AIRU = 76101.7

WT AIRI = 120127.1 WFUEL = 24140.1 WT TIP GEAR = 4500.

WT MAIN GEAR = 35251. WT WING = 244653.

WT SYS = 122407. WT STRUCT = 274900.

TOTAL WEIGHT = 432712. DEL WT = 4329.

T = 8.0 INCHES		T/W = .020242	
THETA = 60.0 DEGREES		10% SECTSPAN	
FRACTION OF SW/SIDE = .0250 CUSH WT = 93.2 SEAR WT = 129.5			
LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 3806.735			
PJ = 107.986 DJ = 19406.590 A = 3.176			
SHP/ENG = 2461.6 SHP TOTAL = 21292.7			
NO FAN = 39.4 NO/SEG = 7.9 LIMIT/SEG = 3.1 VTIP = 380.8			
MTFAN = 6586.6 MTGR = 1267.7 MTTS = 2485.9			
WT AIRU = 10340.4			
WT AIRI = 12925.5 WFUEL = 1703.4 WT TIP GEAR = 750.			
WT MAIN GEAR = 48657. WT WING = 273500.			
WT SYS = 15379. WT STRUCT = 322157.			
TOTAL WEIGHT = 337536. DEL WT = -13847.			
FRACTION OF SW/SIDE = .0500 CUSH WT = 39.2 SEAR WT = 118.2			
LIFT = 74900.0 L/A = 125.094 H/W = .119 HP = 9825.021			
PJ = 205.385 DJ = 26310.417 A = 3.450			
SHP/ENG = 6859.8 SHP TOTAL = 54455.6			
NO FAN = 38.7 NO/SEG = 7.7 LIMIT/SEG = 3.1 VTIP = 525.5			
MTFAN = 12321.2 MTGR = 2044.2 MTTS = 4414.1			
WT AIRU = 20803.4			
WT AIRI = 26004.3 WFUEL = 4396.4 WT TIP GEAR = 1503.			
WT MAIN GEAR = 85447. WT WING = 259980.			
WT SYS = 31901. WT STRUCT = 305927.			
TOTAL WEIGHT = 337827. DEL WT = -13556.			
FRACTION OF SW/SIDE = .0750 CUSH WT = 37.0 GEAR WT = 98.0			
LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 17101.283			
PJ = 299.418 DJ = 31013.303 A = 3.825			
SHP/ENG = 11976.9 SHP TOTAL = 95654.9			
NO FAN = 38.3 NO/SEG = 7.6 LIMIT/SEG = 3.1 VTIP = 638.5			
MTFAN = 17762.0 MTGR = 2561.7 MTTS = 11167.7			
WT AIRU = 31491.4			
WT AIRI = 39348.3 WFUEL = 7552.4 WT TIP GEAR = 2251.			
WT MAIN GEAR = 42515. WT WING = 251500.			
WT SYS = 49267. WT STRUCT = 294015.			
TOTAL WEIGHT = 393282. DEL WT = -8101.			
FRACTION OF SW/SIDE = .1000 CUSH WT = 33.9 SEAR WT = 73.2			
LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 24280.939			
PJ = 582.547 DJ = 34882.111 A = 3.911			
SHP/ENG = 16976.7 SHP TOTAL = 135813.8			
NO FAN = 37.6 NO/SEG = 7.4 LIMIT/SEG = 3.1 VTIP = 717.4			
MTFAN = 22302.6 MTGR = 2942.2 MTTS = 15956.3			
WT AIRU = 31101.1			
WT AIRI = 51376.3 WFUEL = 10965.1 WT TIP GEAR = 3003.			
WT MAIN GEAR = 79263. WT WING = 247346.			
WT SYS = 65241. WT STRUCT = 284411.			
TOTAL WEIGHT = 351853. DEL WT = 470.			
FRACTION OF SW/SIDE = .1300 CUSH WT = 30.0 GEAR WT = 38.0			
LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 32201.590			
PJ = 870.797 DJ = 37618.983 A = 4.354			

SHP/ENG = 22514.7 SHP TOTAL = 190117.4
 NO FAN = 36.6 NO/SEG = 7.1 LIMIT/SEG = 3.1 VTIP = 795.6
 WTFAN = 26672.5 WTGB = 7524.3 WTTTS = 21028.7
 WT AIRU = 51225.5
 WT AIRI = 64031.6 WFUEL = 14409.4 WT TIP GEAR = 3903.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 92341. WT STRUCT = 27990.
 TOTAL WEIGHT = 362322. DEL WT = 10939.

FRACTION OF GW/SIDE = .0500 CUSH WT = 50.5 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 374.283 M/W = .153 HP = 64904.433
 PJ = 702.958 QJ = 50749.009 A = 2.790

SHP/ENG = 45379.8 SHP TOTAL = 363038.6
 NO FAN = 40.4 NO/SEG = 8.1 LIMIT/SEG = 3.1 VTIP = 972.1
 WTFAN = 43999.1 WTGB = 12595.6 WTTTS = 82388.8
 WT AIRU = 98979.5
 WT AIRI = 123724.3 WFUEL = 29043.1 WT TIP GEAR = 4503.
 WT MAIN GEAR = 75251. WT WING = 244553.
 WT SYS = 157267. WT STRUCT = 279904.
 TOTAL WEIGHT = 437172. DEL WT = 45789.

T = 10.0 INCHES T/W = .030303
 THEPA = 15.0 DEGREES 102 SEPISPAN

FRACTION OF GW/SIDE = .0250 CUSH WT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 M/W = .131 HP = 3973.000

PJ = 93.946 QJ = 23259.737 A = 2.771
 SHP/ENG = 2777.8 SHP TOTAL = 22222.7
 NO FAN = 50.6 NO/SEG = 10.7 LIMIT/SEG = 3.1 VTIP = 355.4
 WTFAN = 7366.9 WTGB = 1393.5 WTTTS = 2594.5
 WT AIRU = 11354.8
 WT AIRI = 14193.6 WFUEL = 1777.8 WT TIP GEAR = 750.
 WT MAIN GEAR = 98657. WT WING = 273500.
 WT SYS = 16721. WT STRUCT = 322157.
 TOTAL WEIGHT = 339979. DEL WT = -12504.

FRACTION OF GW/SIDE = .0500 CUSH WT = 39.2 GEAR HT = 116.2
 LIFT = 74900.0 L/A = 126.094 M/W = .119 HP = 10489.953

PJ = 181.260 QJ = 31829.823 A = 2.956
 SHP/ENG = 7374.4 SHP TOTAL = 58674.8
 NO FAN = 49.9 NO/SEG = 10.5 LIMIT/SEG = 3.1 VTIP = 497.6
 WTFAN = 14003.1 WTGB = 2260.9 WTTTS = 6850.3
 WT AIRU = 23114.3
 WT AIRI = 28492.9 WFUEL = 4494.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45947. WT WING = 249980.
 WT SYS = 35067. WT STRUCT = 305927.
 TOTAL WEIGHT = 341214. DEL WT = -10349.

FRACTION OF GW/SIDE = .0750 CUSH WT = 37.0 GEAR HT = 98.0
 LIFT = 112350.0 L/A = 189.141 M/W = .112 HP = 19492.823

PJ = 269.224 QJ = 34227.183 A = 3.074
 SHP/ENG = 12979.8 SHP TOTAL = 103438.4
 NO FAN = 49.4 NO/SEG = 10.4 LIMIT/SEG = 3.1 VTIP = 598.2
 WTFAN = 20370.2 WTGB = 2778.4 WTTTS = 12076.4

WT AIRU = 35225.0
 WT AIRI = 44031.3 WFUEL = 8275.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42515. WT WING = 251500.
 WT SYS = 58556. WT STRUCT = 298015.
 TOTAL WEIGHT = 585571. DEL WT = -2812.

FRACTION OF GW/SIDE = .1000 CUSH WT = 33.9 GEAR WT = 73.2
 LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 26739.245
 PJ = 383.938 QJ = 12759.954 A = 3.267

SHP/ENG = 18605.5 SHP TOTAL = 149564.2
 NO FAN = 49.7 NO/SEG = 10.2 LIMIT/SEG = 3.1 VTIP = 680.0
 WIFAN = 25212.8 WIGB = 3281.1 WITS = 37461.4

WT AIRU = 86615.5
 WT AIRI = 58269.8 WFUEL = 11965.1 WT TIP GEAR = 3000.
 WT MAIN GEAR = 79243. WT WING = 287388.
 WT SYS = 73235. WT STRUCT = 286511.
 TOTAL WEIGHT = 359986. DEL WT = 4403.

FRACTION OF GW/SIDE = .1300 CUSH WT = 30.0 GEAR WT = 38.0
 LIFT = 194780.0 L/A = 327.885 H/W = .091 HP = 36296.237

PJ = 428.415 QJ = 16597.196 A = 3.566
 SHP/ENG = 25377.6 SHP TOTAL = 203020.6
 NO FAN = 47.5 NO/SEG = 9.9 LIMIT/SEG = 3.1 VTIP = 754.9

WIFAN = 31516.1 WIGB = 9155.0 WITS = 23702.4
 WT AIRU = 59375.7
 WT AIRI = 78217.1 WFUEL = 16281.6 WT TIP GEAR = 3900.
 WT MAIN GEAR = 76081. WT WING = 243900.
 WT SYS = 98359. WT STRUCT = 279991.
 TOTAL WEIGHT = 374380. DEL WT = 22957.

FRACTION OF GW/SIDE = .1500 CUSH WT = 50.5 GEAR WT = 38.0
 LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 65089.619

PJ = 597.481 QJ = 59917.050 A = 2.510
 SHP/ENG = 45509.3 SHP TOTAL = 148078.8
 NO FAN = 51.7 NO/SEG = 10.9 LIMIT/SEG = 3.1 VTIP = 896.2

WIFAN = 47557.8 WIGB = 13466.3 WITS = 42505.7
 WT AIRU = 103829.8
 WT AIRI = 129787.2 WFUEL = 29126.0 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 244653.
 WT SYS = 143413. WT STRUCT = 279924.
 TOTAL WEIGHT = 443318. DEL WT = 91935.

T = 10.0 INCHES T/W = .030303
 THETA = 30.0 DEGREES 108 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH WT = 43.2 GEAR WT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 3683.033

PJ = 90.999 QJ = 22250.400 A = 3.017
 SHP/ENG = 2575.1 SHP TOTAL = 20600.8
 NO FAN = 49.2 NO/SEG = 10.3 LIMIT/SEG = 3.1 VTIP = 342.8

WIFAN = 4930.9 WIGB = 323.1 WITS = 2425.1
 WT AIRU = 10667.1
 WT AIRI = 13333.9 WFUEL = 1648.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 48657. WT WING = 273500.

WT SYS = 15732. WT STRUCT = 322157.
TOTAL WEIGHT = 337889. DEL WT = -13490.

FRACTION OF SW/SIDE = .0500 CUSH MT = 39.2 GEAR MT = 118.2
LIFT = 74900.0 L/A = 124.098 M/W = .119 HP = 9683.338
PJ = 175.396 QJ = 30348.667 A = 3.237
SHP/ENG = 6770.9 SHP TOTAL = 54163.1
NO FAN = 48.4 NO/SEG = 10.1 LIMIT/SEG = 3.1 VTIP = 485.5
WTFAN = 13140.7 WTGB = 2169.2 WTS = 6323.5
WT AIRU = 21633.5
WT AIRI = 27041.8 WFUEL = 4333.0 WT TIP GEAR = 1509.
WT MAIN GEAR = 45987. WT WING = 25990.
WT SYS = 32875. WT STRUCT = 305927.
TOTAL WEIGHT = 338802. DEL WT = -12581.

FRACTION OF SW/SIDE = .0750 CUSH MT = 37.0 GEAR MT = 98.0
LIFT = 112350.0 L/A = 199.141 M/W = .112 HP = 17332.469
PJ = 257.307 QJ = 36390.054 A = 3.378
SHP/ENG = 11939.1 SHP TOTAL = 95272.8
NO FAN = 47.8 NO/SEG = 10.0 LIMIT/SEG = 3.1 VTIP = 588.9
WTFAN = 14074.5 WTGB = 2681.4 WTS = 11123.1
WT AIRU = 32580.9
WT AIRI = 4101.2 WFUEL = 7421.9 WT TIP GEAR = 2251.
WT MAIN GEAR = 42515. WT WING = 251500.
WT SYS = 50973. WT STRUCT = 294015.
TOTAL WEIGHT = 344988. DEL WT = -4395.

FRACTION OF SW/SIDE = .1000 CUSH MT = 33.9 GEAR MT = 73.2
LIFT = 149800.0 L/A = 252.189 M/W = .103 HP = 24559.416
PJ = 332.644 QJ = 40601.232 A = 3.608
SHP/ENG = 17169.0 SHP TOTAL = 137351.9
NO FAN = 47.0 NO/SEG = 9.7 LIMIT/SEG = 3.1 VTIP = 668.7
WTFAN = 24197.4 WTGB = 3040.4 WTS = 16035.8
WT AIRU = 43313.7
WT AIRI = 5452.1 WFUEL = 10999.1 WT TIP GEAR = 3009.
WT MAIN GEAR = 79263. WT WING = 247348.
WT SYS = 64130. WT STRUCT = 284611.
TOTAL WEIGHT = 354742. DEL WT = 3359.

FRACTION OF SW/SIDE = .1300 CUSH MT = 30.8 GEAR MT = 38.8
LIFT = 194740.0 L/A = 427.445 M/W = .091 HP = 33223.070
PJ = 414.576 QJ = 44075.641 A = 3.954
SHP/ENG = 23278.9 SHP TOTAL = 185831.3
NO FAN = 45.1 NO/SEG = 9.4 LIMIT/SEG = 3.1 VTIP = 746.5
WTFAN = 29325.2 WTGB = 3741.9 WTS = 21695.4
WT AIRU = 54782.9
WT AIRI = 64478.6 WFUEL = 14466.5 WT TIP GEAR = 3909.
WT MAIN GEAR = 74081. WT WING = 217402.
WT SYS = 47245. WT STRUCT = 279921.
TOTAL WEIGHT = 367224. DEL WT = 14493.

FRACTION OF SW/SIDE = .1500 CUSH MT = 30.5 GEAR MT = 38.0
LIFT = 224700.0 L/A = 378.743 M/W = .153 HP = 50826.384

PJ = 580.336 QJ = 47646.822 A = 2.706
 SHP/ENG = 42528.5 SHP TOTAL = 340228.3
 NO FAN = 50.5 NO/SEG = 10.6 LIMIT/SEG = 3.1 VTIP = 888.3
 WIFAN = 45379.0 WTGB = 1200.6 WTIS = 39721.7
 WT AIRU = 96301.3
 WT AIRI = 120376.6 WFUEL = 27214.3 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 244653.
 WT SYS = 152095. WT STRUCT = 279904.
 TOTAL WEIGHT = 431999. DEL WT = 90616.

I = 10.0 INCHES I/W = .030303
 THEIA = 45.0 DEGREES 103 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 43.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 H/W = .131 HP = 3597.289
 PJ = 91.015 QJ = 21730.228 A = 5.156
 SHP/ENG = 2515.1 SHP TOTAL = 20121.2
 NO FAN = 48.1 NO/SEG = 10.0 LIMIT/SEG = 3.1 VTIP = 349.8
 WIFAN = 6776.7 WTGB = 1296.2 WTIS = 2349.1
 WT AIRU = 10422.1
 WT AIRI = 13027.7 WFUEL = 1609.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 48657. WT WING = 273500.
 WT SYS = 15387. WT STRUCT = 322157.
 TOTAL WEIGHT = 337545. DEL WT = -13834.

FRACTION OF GW/SIDE = .0500 CUSH HT = 39.2 GEAR HT = 118.2
 LIFT = 74900.0 L/A = 126.094 H/W = .119 HP = 9408.299
 PJ = 175.075 QJ = 29556.288 A = 3.405
 SHP/ENG = 6578.1 SHP TOTAL = 52624.7
 NO FAN = 47.1 NO/SEG = 9.8 LIMIT/SEG = 3.1 VTIP = 485.2
 WIFAN = 12779.1 WTGB = 2128.3 WTIS = 6143.9
 WT AIRU = 21051.4
 WT AIRI = 26314.2 WFUEL = 4210.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 45947. WT WING = 259980.
 WT SYS = 32024. WT STRUCT = 305927.
 TOTAL WEIGHT = 337951. DEL WT = -13432.

FRACTION OF GW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
 LIFT = 412350.0 L/A = 189.141 H/W = .112 HP = 165026433
 PJ = 256.793 QJ = 35345.020 A = 3.566
 SHP/ENG = 11538.2 SHP TOTAL = 92305.2
 NO FAN = 46.5 NO/SEG = 9.6 LIMIT/SEG = 3.1 VTIP = 587.6
 WIFAN = 18508.0 WTGB = 2636.2 WTIS = 10776.6
 WT AIRU = 31920.9
 WT AIRI = 34901.1 WFUEL = 7384.4 WT TIP GEAR = 2250.
 WT MAIN GEAR = 42615. WT WING = 251500.
 WT SYS = 49535. WT STRUCT = 244015.
 TOTAL WEIGHT = 343550. DEL WT = -7833.

FRACTION OF GW/SIDE = .1000 CUSH HT = 35.9 GEAR HT = 75.2
 LIFT = 124400.0 L/A = 252.149 H/W = .103 HP = 236994100
 PJ = 311.358 QJ = 39336.601 A = 3.827
 SHP/ENG = 16549.9 SHP TOTAL = 132559.3
 NO FAN = 45.5 NO/SEG = 9.4 LIMIT/SEG = 3.1 VTIP = 667.4

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WTFAN = 23398.4 WTGR = 3013.0 WTS = 15476.3
 WT AIRU = 41947.7
 WT AIRI = 52359.6 WFUEL = 10604.7 WT TIP GEAR = 3000.
 WT MAIN GEAR = 39263. WT WING = 247344.
 WT SYS = 65964. WT STRUCT = 284611.
 TOTAL WEIGHT = 352576. DEL WT = 1193.

FRACTION OF GW/SIDE = .1300 CUSH HT = 30.0 GEAR HT = 38.0
 LIFT = 194740.0 L/A = 727.445 W/D = .091 HP = 31916.234
 PJ = 412.617 QJ = 42542.951 A = 4.233
 SHP/ENG = 22315.2 SHP TOTAL = 278521.3
 NO FAN = 44.2 NO/SEG = 9.1 LIMIT/SEG = 3.1 VTIP = 744.4
 WTFAN = 28238.5 WTGR = 3608.4 WTS = 20042.9
 WT AIRU = 52689.2
 WT AIRI = 45841.5 WFUEL = 14281.7 WT TIP GEAR = 3900.
 WT MAIN GEAR = 36081. WT WING = 243900.
 WT SYS = 84043. WT STRUCT = 279991.
 TOTAL WEIGHT = 369124. DEL WT = 12441.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
 LIFT = 224706.0 L/A = 774.283 W/D = .153 HP = 49993.827
 PJ = 542.964 QJ = 56631.444 A = 2.802
 SHP/ENG = 4194.4 SHP TOTAL = 735571.4
 NO FAN = 49.5 NO/SEG = 10.4 LIMIT/SEG = 3.1 VTIP = 885.3
 WTFAN = 44656.9 WTGR = 10761.8 WTS = 39176.0
 WT AIRU = 94596.7
 WT AIRI = 118245.9 WFUEL = 26845.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 244653.
 WT SYS = 149542. WT STRUCT = 279994.
 TOTAL WEIGHT = 429196. DEL WT = 76123.4

Y = 10.0 INCHES T/W = .030303
 THETA = 60.0 DEGREES 108 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 45.2 GEAR HT = 129.5
 LIFT = 37450.0 L/A = 63.047 W/D = .131 HP = 3680.940
 PJ = 93.345 QJ = 21642.210 A = 3.176
 SHP/ENG = 2573.6 SHP TOTAL = 20589.1
 NO FAN = 47.2 NO/SEG = 9.8 LIMIT/SEG = 3.1 VTIP = 354.6
 WTFAN = 6839.9 WTGR = 1307.1 WTS = 2403.4
 WT AIRU = 10550.8
 WT AIRI = 13188.6 WFUEL = 1647.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 44657. WT WING = 273500.
 WT SYS = 15544. WT STRUCT = 322157.
 TOTAL WEIGHT = 337743. DEL WT = -13640.

FRACTION OF GW/SIDE = .0500 CUSH HT = 59.2 GEAR HT = 118.2
 LIFT = 74400.0 L/A = 124.094 W/D = .119 HP = 9562.355
 PJ = 174.332 QJ = 24327.127 A = 3.450
 SHP/ENG = 6471.4 SHP TOTAL = 53446.4
 NO FAN = 44.2 NO/SEG = 9.5 LIMIT/SEG = 3.1 VTIP = 491.0
 WTFAN = 12837.3 WTGR = 2132.9 WTS = 6244.5
 WT AIRU = 21210.7
 WT AIRI = 24513.4 WFUEL = 4278.9 WT TIP GEAR = 1500.

WT MAIN GEAR = 85947. WT WING = 259980.
WT SYS = 32292. WT STRUCT = 305927.
TOTAL WEIGHT = 338219. DEL WT = -13164.

FRACTION OF SW/SIDE = .0750 CUSH HT = 37.0 GEAR HT = 98.0
LIFT = 112350.0 L/A = 189.141 H/W = .112 HP = 16719.941
PJ = 262.573 QJ = 35003.684 A = 3.625
SHP/ENG = 11683.9 SHP TOTAL = 93471.5
NO FAN = 85.6 NO/SEG = 9.9 LIMIT/SEG = 3.1 VTIP = 594.1
WTFAN = 18534.4 WTGR = 2436.0 WTS = 10912.8
WT AIRU = 32083.2
WT AIRI = 40104.0 WFUEL = 7477.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 42515. WT WING = 251500.
WT SYS = 49832. WT STRUCT = 294015.
TOTAL WEIGHT = 343847. DEL WT = -7536.

FRACTION OF SW/SIDE = .1000 CUSH HT = 33.9 GEAR HT = 73.2
LIFT = 149800.0 L/A = 252.189 H/W = .103 HP = 23875.422
PJ = 338.026 QJ = 38847.504 A = 3.911
SHP/ENG = 16693.2 SHP TOTAL = 133545.6
NO FAN = 44.6 NO/SEG = 9.1 LIMIT/SEG = 3.1 VTIP = 674.1
WTFAN = 23338.8 WTGR = 3010.6 WTS = 15591.4
WT AIRU = 41940.9
WT AIRI = 52426.1 WFUEL = 10683.6 WT TIP GEAR = 3000.
WT MAIN GEAR = 39263. WT WING = 247348.
WT SYS = 66110. WT STRUCT = 286611.
TOTAL WEIGHT = 352721. DEL WT = 1338.

FRACTION OF SW/SIDE = .1300 CUSH HT = 39.0 GEAR HT = 38.0
LIFT = 194740.0 L/A = 327.845 H/W = .091 HP = 31950.191
PJ = 419.917 QJ = 41857.753 A = 4.354
SHP/ENG = 22338.9 SHP TOTAL = 178711.2
NO FAN = 43.1 NO/SEG = 8.8 LIMIT/SEG = 3.1 VTIP = 751.3
WTFAN = 28025.0 WTGR = 3596.6 WTS = 20864.5
WT AIRU = 52486.2
WT AIRI = 65607.7 WFUEL = 14296.9 WT TIP GEAR = 3900.
WT MAIN GEAR = 36081. WT WING = 243900.
WT SYS = 83805. WT STRUCT = 279981.
TOTAL WEIGHT = 363785. DEL WT = 12402.

FRACTION OF SW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 38.0
LIFT = 224700.0 L/A = 378.283 H/W = .153 HP = 62150.293
PJ = 603.126 QJ = 56675.802 A = 2.790
SHP/ENG = 43454.2 SHP TOTAL = 347633.5
NO FAN = 35.7 NO/SEG = 10.2 LIMIT/SEG = 3.1 VTIP = 900.5
WTFAN = 45432.2 WTGR = 11742.9 WTS = 40586.2
WT AIRU = 97411.4
WT AIRI = 122264.2 WFUEL = 27810.7 WT TIP GEAR = 4500.
WT MAIN GEAR = 34251. WT WING = 244653.
WT SYS = 154675. WT STRUCT = 279904.
TOTAL WEIGHT = 430879. DEL WT = 24084.

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REF. T. 22040

ELT017 9.1970 10/17-13:41:05-(0.1)

000001	000	1498000.	1188.	1.571	330.		
000002	000	060508060A20		262	SEHISPAH		
000003	000	.025	.050	0.075	.10	.133	.15
000004	000	55.3	51.0	46.8	42.5	36.1	32.
000005	000	2.	1.	1.	1.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	0.075	.10	.133	.15
000008	000	131.4	122.8	107.4	84.	58.	38.
000009	000	.025	.050	0.075	.10	.133	.15
000010	000	278900.	262727.	251351.	247344.	245600.	24735

END ELT.

TASK UNITS: 0

PGM SIZE: 6104

970T

GW = 1499000.000 LBS CUSHION AREA = 1158.0 SQUARE FEET
SWEEP = 40.0 DEGREES L/W = 1.571 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061

THETA = 15.0 DEGREES 208 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH MT = 55.3 GEAR MT = 131.6

LIFT = 37450.0 L/A = 31.524 M/W = .168 HP = 5253.606

PJ = 246.337 QJ = 11729.793 A = 3.017

SHP/ENG = 3673.2 SHP TOTAL = 29385.7

VJ FAN = 15.8 VJ/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 575.5

WTFAN = 6014.8 WTGR = 1194.7 WTS = 3430.8

WT AIRU = 10545.3

WT AIRI = 13306.6 WFUEL = 2358.9 WT TIP GEAR = 759.2

WT MAIN GEAR = 48952. WT WING = 276900.

WT SYS = 14407. WT STRUCT = 125492.

TOTAL WEIGHT = 342259. DEL WT = -9124.

FRACTION OF SW/SIDE = .0500 CUSH MT = 51.9 GEAR MT = 122.8

LIFT = 74900.0 L/A = 63.047 M/W = .157 HP = 13960.615

PJ = 473.279 QJ = 16230.739 A = 3.152

SHP/ENG = 9761.0 SHP TOTAL = 79087.8

VJ FAN = 15.7 VJ/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 798.5

WTFAN = 11535.7 WTGR = 1947.4 WTS = 9114.7

WT AIRU = 22620.0

WT AIRI = 28275.0 WFUEL = 6247.0 WT TIP GEAR = 1507.

WT MAIN GEAR = 46524. WT WING = 262827.

WT SYS = 36022. WT STRUCT = 309393.

TOTAL WEIGHT = 345375. DEL WT = -6008.

FRACTION OF SW/SIDE = .0750 CUSH MT = 46.8 GEAR MT = 107.5

LIFT = 112350.0 L/A = 94.571 M/W = .142 HP = 25113.843

PJ = 663.242 QJ = 19166.970 A = 3.390

SHP/ENG = 16150.4 SHP TOTAL = 129282.9

VJ FAN = 15.7 VJ/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 944.3

WTFAN = 16129.8 WTGR = 2475.1 WTS = 19093.8

WT AIRU = 33698.7

WT AIRI = 42123.4 WFUEL = 10342.6 WT TIP GEAR = 2253.

WT MAIN GEAR = 43509. WT WING = 251351.

WT SYS = 54716. WT STRUCT = 294860.

TOTAL WEIGHT = 349575. DEL WT = -1407.

FRACTION OF SW/SIDE = .1000 CUSH MT = 42.5 GEAR MT = 86.0

LIFT = 149950.0 L/A = 124.094 M/W = .129 HP = 32219.346

PJ = 829.154 QJ = 21371.942 A = 3.635

SHP/ENG = 22577.1 SHP TOTAL = 180214.7

VJ FAN = 15.7 VJ/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1055.8

WTFAN = 20109.5 WTGR = 3101.4 WTS = 21040.3

WT AIRU = 44251.2

WT AIRI = 55314.0 WFUEL = 14417.3 WT TIP GEAR = 3000.

WT MAIN GEAR = 40272. WT WING = 247348.

WT SYS = 72731. WT STRUCT = 247420.

TOTAL WEIGHT = 360352. DEL WT = 8969.

FRACTION OF SW/SIDE = .2300 CUSH HT = 35.1 GEAR HT = 58.0
 LIFT = 194740.0 L/A = 163.923 M/W = .109 HP = 40164.181
 PJ = 963.793 QJ = 22930.172 A = 4.108
 SHP/ENG = 28092.0 SHP TOTAL = 228655.6
 NO FAN = 15.6 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1138.3
 WT FAN = 23251.4 WTGR = 3965.3 WTTS = 26228.5
 WT AIRU = 53445.2
 WT AIRI = 65906.5 WFUEL = 17972.5 WT TIP GEAR = 3900.
 WT MAIN GEAR = 37000. WT WING = 245600.
 WT SYS = 88479. WT STRUCT = 282600.
 TOTAL WEIGHT = 371279. DEL WT = 19896.

FRACTION OF SW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 189.141 M/W = .097 HP = 43651.859
 PJ = 1021.877 QJ = 23498.523 A = 4.511
 SHP/ENG = 30520.5 SHP TOTAL = 244153.7
 NO FAN = 15.5 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1172.1
 WT FAN = 24541.8 WTGR = 9474.1 WTTS = 28506.1
 WT AIRU = 57526.0
 WT AIRI = 71907.5 WFUEL = 19533.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 287351.
 WT SYS = 95941. WT STRUCT = 282602.
 TOTAL WEIGHT = 379543. DEL WT = 27160.

T = 2.0 INCHES T/V = .006061
 THETA = 30.0 DEGREES 203 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 M/W = .168 HP = 4611.333
 PJ = 226.489 QJ = 11198.033 A = 5.510
 SHP/ENG = 3224.1 SHP TOTAL = 25793.2
 NO FAN = 15.7 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 551.8
 WT FAN = 5506.9 WTGR = 1109.6 WTTS = 3011.4
 WT AIRU = 9527.8
 WT AIRI = 12014.8 WFUEL = 2063.5 WT TIP GEAR = 753.
 WT MAIN GEAR = 48952. WT WING = 276900.
 WT SYS = 14848. WT STRUCT = 325852.
 TOTAL WEIGHT = 340700. DEL WT = -10683.

FRACTION OF SW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.0 L/A = 63.047 M/W = .157 HP = 12193.994
 PJ = 433.613 QJ = 15466.489 A = 3.471
 SHP/ENG = 8525.5 SHP TOTAL = 68204.0
 NO FAN = 15.7 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 763.5
 WT FAN = 10524.1 WTGR = 1950.1 WTTS = 7952.8
 WT AIRU = 20337.0
 WT AIRI = 25421.2 WFUEL = 5456.3 WT TIP GEAR = 1503.
 WT MAIN GEAR = 46526. WT WING = 252827.
 WT SYS = 32378. WT STRUCT = 309353.
 TOTAL WEIGHT = 341731. DEL WT = -9552.

FRACTION OF SW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 112350.0 L/A = 94.571 M/W = .142 HP = 20934.383
 PJ = 405.041 QJ = 18211.933 A = 3.754

SHP/ENG = 14027.6 SHP TOTAL = 212061.0

NO FAN = 15.0 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 901.9

WTFAN = 14638.2 WTGR = 2305.0 WTS = 13093.1

WT AIRU = 30626.3

WT AIRI = 37532.4 WFUEL = 4964.9 WT TIP GEAR = 2253.

WT MAIN GEAR = 43509. WT WING = 251351.

WT SYS = 49749. WT STRUCT = 298449.

TOTAL WEIGHT = 343407. DEL WT = -7776.

FRACTION OF SW/SIDE = .1000 CUSH MT = 42.5 GEAR MT = 86.0

LIFT = 149900.0 L/A = 126.094 M/W = .129 MP = 27742.671

PJ = 753.322 QJ = 20254.920 A = 8.097

SHP/ENG = 19397.1 SHP TOTAL = 255174.6

NO FAN = 15.6 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1006.9

WTFAN = 14166.1 WTGR = 2756.1 WTS = 18116.9

WT AIRU = 39039.0

WT AIRI = 46796.8 WFUEL = 12414.1 WT TIP GEAR = 3003.

WT MAIN GEAR = 40272. WT WING = 287348.

WT SYS = 60213. WT STRUCT = 287620.

TOTAL WEIGHT = 351433. DEL WT = 498.

FRACTION OF SW/SIDE = .1300 CUSH MT = 36.1 GEAR MT = 50.0

LIFT = 194740.0 L/A = 163.923 M/W = .129 MP = 34234.583

PJ = 870.337 QJ = 21634.163 A = 8.412

SHP/ENG = 23936.1 SHP TOTAL = 291488.8

NO FAN = 15.5 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1081.7

WTFAN = 20855.7 WTGR = 3280.5 WTS = 22356.3

WT AIRU = 46492.5

WT AIRI = 54125.6 WFUEL = 15319.1 WT TIP GEAR = 3903.

WT MAIN GEAR = 37000. WT WING = 293400.

WT SYS = 77335. WT STRUCT = 282400.

TOTAL WEIGHT = 359935. DEL WT = 852.

FRACTION OF SW/SIDE = .1500 CUSH MT = 32.0 GEAR MT = 38.0

LIFT = 224700.0 L/A = 189.141 M/W = .097 MP = 36965.326

PJ = 919.284 QJ = 22114.855 A = 5.090

SHP/ENG = 25840.0 SHP TOTAL = 236751.9

NO FAN = 15.4 NO/SEG = 1.8 LIMIT/SEG = 6.2 VTIP = 1111.7

WTFAN = 21910.3 WTGR = 3563.4 WTS = 24138.3

WT AIRU = 49612.0

WT AIRI = 62015.0 WFUEL = 16340.2 WT TIP GEAR = 4507.

WT MAIN GEAR = 35251. WT WING = 247351.

WT SYS = 83055. WT STRUCT = 282602.

TOTAL WEIGHT = 365698. DEL WT = 14275.

T = 2.0 INCHES T/W = .008661

T/META = 45.0 DEGREES 208 SEMISPAN

FRACTION OF SW/SIDE = .250 CUSH MT = 55.3 GEAR MT = 131.6

LIFT = 37450.0 L/A = 31.524 M/W = .168 MP = 4293.691

PJ = 216.509 QJ = 10937.292 A = 3.449

SHP/ENG = 3002.1 SHP TOTAL = 24016.5

NO FAN = 15.6 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 539.5

WTFAN = 5294.9 WTGR = 1062.5 WTS = 2803.9

WT AIRU = 9116.8
 JT AIRI = 11388.5 WFUEL = 1921.3 JT TIP GEAR = 750.
 WT MAIN GEAR = 88952. WT WING = 276900.
 WT SYS = 14040. WT STRUCT = 325812.
 TOTAL WEIGHT = 339011. DEL WT = -11972.

FRACTION OF GW/SIDE = .0500 CUSH MT = 91.9 GEAR MT = 122.8
 LIFT = 78900.0 L/A = 63.047 W/D = .157 HP = 11296.688
 PJ = 413.188 QJ = 15037.188 A = 3.671
 SHP/ENG = 7809.4 SHP TOTAL = 63187.3
 NO FAN = 15.6 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 745.3
 JFAN = 8388.0 WTGB = 1781.6 WTIS = 2377.1
 WT AIRU = 19149.7
 JT AIRI = 23937.1 WFUEL = 5055.0 JT TIP GEAR = 1500.
 WT MAIN GEAR = 84526. WT WING = 262827.
 WT SYS = 30442. WT STRUCT = 369353.
 TOTAL WEIGHT = 339445. DEL WT = -11538.

FRACTION OF GW/SIDE = .0750 CUSH MT = 86.8 GEAR MT = 107.5
 LIFT = 112350.0 L/A = 94.571 W/D = .182 HP = 14417.955
 PJ = 573.748 QJ = 17655.608 A = 3.994
 SHP/ENG = 12977.4 SHP TOTAL = 103019.6
 NO FAN = 15.6 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 873.3
 JFAN = 13819.2 WTGB = 2216.7 WTIS = 12827.5
 WT AIRU = 28063.5
 JT AIRI = 35079.3 WFUEL = 8241.6 JT TIP GEAR = 2250.
 WT MAIN GEAR = 83509. WT WING = 251351.
 WT SYS = 45571. WT STRUCT = 294850.
 TOTAL WEIGHT = 340930. DEL WT = -10953.

FRACTION OF GW/SIDE = .1000 CUSH MT = 82.5 GEAR MT = 86.0
 LIFT = 149800.0 L/A = 126.094 W/D = .129 HP = 25335.128
 PJ = 711.413 QJ = 19596.834 A = 4.327
 SHP/ENG = 17713.8 SHP TOTAL = 141710.3
 NO FAN = 15.5 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 979.0
 JFAN = 17071.2 WTGB = 2599.6 WTIS = 15544.7
 WT AIRU = 36215.5
 JT AIRI = 45269.4 WFUEL = 11336.8 JT TIP GEAR = 3000.
 WT MAIN GEAR = 40272. WT WING = 247348.
 WT SYS = 59406. WT STRUCT = 287620.
 TOTAL WEIGHT = 347227. DEL WT = -4156.

FRACTION OF GW/SIDE = .1300 CUSH MT = 36.1 GEAR MT = 58.0
 LIFT = 124740.0 L/A = 163.923 W/D = .109 HP = 30950.278
 PJ = 416.805 QJ = 22978.235 A = 4.969
 SHP/ENG = 21639.8 SHP TOTAL = 173118.3
 NO FAN = 15.4 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 1049.0
 JFAN = 19461.9 WTGB = 2984.6 WTIS = 20211.6
 WT AIRU = 42661.4
 JT AIRI = 53326.7 WFUEL = 13449.5 JT TIP GEAR = 3900.
 WT MAIN GEAR = 77000. WT WING = 245400.
 WT SYS = 71076. WT STRUCT = 282600.
 TOTAL WEIGHT = 353576. DEL WT = 2293.

FRACTION OF GW/SIDE = .0500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 189.141 H/W = .097 HP = 33201.542
 PJ = 859.548 QJ = 21244.715 A = 5.515
 SHP/ENG = 23213.8 SHP TOTAL = 185710.6
 NO FAN = 15.3 NO/SEG = 1.8 LIMIT/SEG = 6.2 VTIP = 1075.0
 WIFAN = 20352.9 WIGR = 3279.1 WITS = 21681.7
 WT AIRU = 45212.7
 WT AIRI = 56515.9 WFUEL = 14454.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 247351.
 WT SYS = 75873. WT STRUCT = 282602.
 TOTAL WEIGHT = 358475. DEL WT = 7092.

T = 2.0 INCHES T/W = .006061
 THETA = 40.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 H/W = .166 HP = 4223.719
 PJ = 214.565 QJ = 10876.775 A = 3.541
 SHP/ENG = 2973.1 SHP TOTAL = 23625.1
 NO FAN = 15.0 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 537.1
 WIFAN = 5182.3 WIGR = 1051.3 WITS = 2758.2
 WT AIRU = 4991.8
 WT AIRI = 1239.7 WFUEL = 1590.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 48952. WT WING = 274900.
 WT SYS = 13880. WT STRUCT = 325852.
 TOTAL WEIGHT = 339731. DEL WT = -11652.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.8 L/A = 63.097 H/W = .157 HP = 11055.20
 PJ = 408.069 QJ = 14897.646 A = 3.748
 SHP/ENG = 7728.2 SHP TOTAL = 61825.3
 NO FAN = 15.0 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 740.7
 WIFAN = 9533.9 WIGR = 1765.3 WITS = 7218.1
 WT AIRU = 14417.3
 WT AIRI = 23521.5 WFUEL = 4446.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46526. WT WING = 262827.
 WT SYS = 24969. WT STRUCT = 309353.
 TOTAL WEIGHT = 339321. DEL WT = -12062.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 412350.0 L/A = 94.571 H/W = .142 HP = 17874.510
 PJ = 563.689 QJ = 17440.243 A = 4.093
 SHP/ENG = 12497.3 SHP TOTAL = 99978.7
 NO FAN = 15.5 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 970.5
 WIFAN = 13530.5 WIGR = 2105.0 WITS = 12472.5
 WT AIRU = 27349.0
 WT AIRI = 34236.2 WFUEL = 7994.3 WT TIP GEAR = 2250.
 WT MAIN GEAR = 93509. WT WING = 251351.
 WT SYS = 44445. WT STRUCT = 294950.
 TOTAL WEIGHT = 339344. DEL WT = -12039.

FRACTION OF GW/SIDE = .0000 CUSH HT = 42.5 GEAR HT = 86.0
 LIFT = 149800.0 L/A = 126.094 H/W = .129 HP = 24415.871

PJ = 695.849 OJ = 19298.392 A = 4.457
SHP/ENG = 17071.1 SHP TOTAL = 136558.5
NO FAN = 15.4 NO/SEG = 1.9 LIMIT/SEG = 6.2 VTIP = 967.2
JTFAN = 14539.8 WTGR = 2543.2 WITS = 15988.8
WT AIRU = 35122.4
WT AIRI = 43963.0 WFUEL = 10925.5 WT TIP GEAR = 3000.
WT MAIN GEAR = 10272. WT WING = 28738.6
WT SYS = 57829. WT STRUCT = 287620.
TOTAL WEIGHT = 345849. DEL WT = -5934.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0
LIFT = 191780.0 L/A = .63.923 M/W = .109 HP = 29518.9CC
PJ = 793.792 OJ = 20450.188 A = 5.158
SHP/ENG = 20536.2 SHP TOTAL = 165089.6
NO FAN = 15.3 NO/SEG = 1.8 LIMIT/SEG = 6.2 VTIP = 1033.0
JTFAN = 19327.4 WTGR = 2875.2 WITS = 19274.2
WT AIRU = 40976.8
WT AIRI = 51221.0 WFUEL = 13267.2 WT TIP GEAR = 3900.
WT MAIN GEAR = 37000. WT WING = 245600.
WT SYS = 69328. WT STRUCT = 282600.
TOTAL WEIGHT = 350928. DEL WT = -855.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
LIFT = 228700.0 L/A = .189.141 M/W = .097 HP = 31446.827
PJ = 831.808 OJ = 20794.292 A = 5.755
SHP/ENG = 21999.4 SHP TOTAL = 175985.9
NO FAN = 15.2 NO/SEG = 1.8 LIMIT/SEG = 6.2 VTIP = 1057.5
JTFAN = 19597.3 WTGR = 3023.9 WITS = 20537.1
WT AIRU = 33158.3
WT AIRI = 53947.9 WFUEL = 14072.6 WT TIP GEAR = 4500.
WT MAIN GEAR = 35251. WT WING = 247351.
WT SYS = 72520. WT STRUCT = 282602.
TOTAL WEIGHT = 355123. DEL WT = 3740.

V = 4.0 INCHES T/W = .012121
THETA = 15.0 DEGREES 208 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
LIFT = 37450.0 L/A = .31.524 M/W = .168 HP = 7886.467
PJ = 128.392 OJ = 16594.157 A = 3.017
SHP/ENG = 2717.3 SHP TOTAL = 21738.7
NO FAN = 30.8 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 916.3
JTFAN = 6152.4 WTGR = 1199.2 WITS = 2518.2
WT AIRU = 9859.5
WT AIRI = 12362.0 WFUEL = 1739.1 WT TIP GEAR = 750.
WT MAIN GEAR = 84952. WT WING = 275902.
WT SYS = 14851. WT STRUCT = 325852.
TOTAL WEIGHT = 340703. DEL WT = -10590.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 182.8
LIFT = 74900.0 L/A = .53.247 M/W = .157 HP = 12357.910
PJ = 248.261 OJ = 22987.000 A = 3.152
SHP/ENG = 7292.0 SHP TOTAL = 57936.3
NO FAN = 30.7 NO/SEG = 5.7 LIMIT/SEG = 6.2 VTIP = 577.7

WTFAN = 11814.6 WTGR = 2000.0 WTS = 6754.1
 WT AIRU = 20578.7
 WT AIRI = 25723.4 WFUEL = 4634.9 WT TIP GEAR = 1503.
 WT MAIN GEAR = 46525. WT WING = 262827.
 WT SYS = 31858. WT STRUCT = 309353.
 TOTAL WEIGHT = 341212. DEL WT = -10171.

FRACTION OF SW/SIDE = .0790 CUSH MT = 46.8 GEAR MT = 107.5
 LIFT = 112350.0 L/A = 94.571 M/W = .142 HP = 17237.571
 PJ = 349.956 QJ = 27096.426 A = 3.396
 SHP/ENG = 12052.1 SHP TOTAL = 96417.2
 NO FAN = 30.6 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 695.9
 WTFAN = 16562.1 WTGB = 2452.8 WTS = 11256.7
 WT AIRU = 30271.6
 WT AIRI = 37839.5 WFUEL = 7713.8 WT TIP GEAR = 2253.
 WT MAIN GEAR = 43509. WT WING = 251351.
 WT SYS = 47603. WT STRUCT = 294840.
 TOTAL WEIGHT = 342462. DEL WT = -8721.

FRACTION OF SW/SIDE = .1000 CUSH MT = 42.5 GEAR MT = 86.0
 LIFT = 149800.0 L/A = 126.094 M/W = .129 HP = 24156.539
 PJ = 439.772 QJ = 30211.314 A = 3.635
 SHP/ENG = 16879.7 SHP TOTAL = 135118.2
 NO FAN = 30.4 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 768.9
 WTFAN = 20702.5 WTGB = 2826.3 WTS = 15775.9
 WT AIRU = 39303.8
 WT AIRI = 49129.8 WFUEL = 10409.4 WT TIP GEAR = 3003.
 WT MAIN GEAR = 40272. WT WING = 247348.
 WT SYS = 62439. WT STRUCT = 247420.
 TOTAL WEIGHT = 350560. DEL WT = -823.

FRACTION OF SW/SIDE = .1300 CUSH MT = 36.1 GEAR MT = 58.0
 LIFT = 194740.0 L/A = 143.923 M/W = .109 HP = 30421.452
 PJ = 516.501 QJ = 32344.447 A = 4.109
 SHP/ENG = 21270.0 SHP TOTAL = 170160.3
 NO FAN = 30.1 NO/SEG = 5.5 LIMIT/SEG = 6.2 VTIP = 833.3
 WTFAN = 24057.3 WTGR = 3257.7 WTS = 19866.2
 WT AIRU = 47181.2
 WT AIRI = 52976.5 WFUEL = 13612.8 WT TIP GEAR = 3903.
 WT MAIN GEAR = 37000. WT WING = 245600.
 WT SYS = 76489. WT STRUCT = 262600.
 TOTAL WEIGHT = 359089. DEL WT = 7706.

FRACTION OF SW/SIDE = .1500 CUSH MT = 32.0 GEAR MT = 38.0
 LIFT = 224700.0 L/A = 189.141 M/W = .097 HP = 33348.792
 PJ = 552.451 QJ = 33200.841 A = 4.511
 SHP/ENG = 23316.8 SHP TOTAL = 186534.2
 NO FAN = 29.8 NO/SEG = 5.5 LIMIT/SEG = 6.2 VTIP = 861.8
 WTFAN = 25499.8 WTGR = 3522.6 WTS = 21777.9
 WT AIRU = 50799.7
 WT AIRI = 53499.6 WFUEL = 14922.7 WT TIP GEAR = 4503.
 WT MAIN GEAR = 35251. WT WING = 247351.
 WT SYS = 82922. WT STRUCT = 292602.
 TOTAL WEIGHT = 365525. DEL WT = 14142.

T = 4.0 INCHES T/W = .012121
 THETA = 30.0 DEGREES 208 SEGISPAN

FRACTION OF SW/SIDE = .0250 CUSH MT = 55.3 GEAR MT = 131.6
 LIFT = 37950.0 L/A = 31.528 M/W = .168 HP = 3440.586
 PJ = 119.536 QJ = 15870.618 A = 3.310
 SHP/ENG = 2425.6 SHP TOTAL = 1920.7
 NO FAN = 30.4 NO/SEG = 5.6 LIFT/SEG = 6.2 VTIP = 400.0
 WTEAN = 5655.7 WTGR = 1112.5 WTS = 2246.8
 WT AIRU = 9015.0
 WT AIRI = 11248.8 WFUEL = 1539.6 WT TIP GEAR = 753.
 WT MAIN GEAR = 48952. WT WING = 276900.
 WT SYS = 13558. WT STRUCT = 325852.
 TOTAL WEIGHT = 339410. DEL WT = -11871.

FRACTION OF SW/SIDE = .0500 CUSH MT = 51.9 GEAR MT = 122.8
 LIFT = 74900.0 L/A = 63.047 M/W = .197 HP = 9129.415
 PJ = 229.557 QJ = 21663.840 A = 3.471
 SHP/ENG = 6383.1 SHP TOTAL = 51048.8
 NO FAN = 30.4 NO/SEG = 5.6 LIFT/SEG = 6.2 VTIP = 555.7
 WTEAN = 10626.9 WTGR = 1894.7 WTS = 9961.8
 WT AIRU = 18573.5
 WT AIRI = 23341.8 WFUEL = 4085.2 WT TIP GEAR = 1509.
 WT MAIN GEAR = 46526. WT WING = 262827.
 WT SYS = 28927. WT STRUCT = 309391.
 TOTAL WEIGHT = 338280. DEL WT = -13103.

FRACTION OF SW/SIDE = .0750 CUSH MT = 46.8 GEAR MT = 107.5
 LIFT = 112350.0 L/A = 94.571 M/W = .142 HP = 15991.990
 PJ = 322.850 QJ = 25742.293 A = 3.758
 SHP/ENG = 10552.0 SHP TOTAL = 84416.0
 NO FAN = 30.3 NO/SEG = 5.4 LIFT/SEG = 6.2 VTIP = 658.9
 WTEAN = 15104.9 WTGR = 2325.7 WTS = 9855.4
 WT AIRU = 27245.2
 WT AIRI = 34107.8 WFUEL = 6753.3 WT TIP GEAR = 2259.
 WT MAIN GEAR = 43509. WT WING = 251351.
 WT SYS = 43111. WT STRUCT = 298860.
 TOTAL WEIGHT = 337971. DEL WT = -13412.

FRACTION OF SW/SIDE = .1000 CUSH MT = 42.5 GEAR MT = 86.0
 LIFT = 149800.0 L/A = 126.094 M/W = .129 HP = 21032.263
 PJ = 404.045 QJ = 24627.099 A = 4.047
 SHP/ENG = 14713.9 SHP TOTAL = 117631.8
 NO FAN = 30.2 NO/SEG = 5.5 LIFT/SEG = 6.2 VTIP = 732.6
 WTEAN = 14803.2 WTGR = 2646.6 WTS = 13735.5
 WT AIRU = 35183.3
 WT AIRI = 43979.5 WFUEL = 9414.5 WT TIP GEAR = 3202.
 WT MAIN GEAR = 40072. WT WING = 247345.
 WT SYS = 56340. WT STRUCT = 297620.
 TOTAL WEIGHT = 349012. DEL WT = -7471.

FRACTION OF SW/SIDE = .1300 CUSH MT = 36.1 GEAR MT = 58.0

LIFT = 194740.0 L/A = 143.021 W/W = .120 HP = 20265.373

PJ = 472.565 QJ = 30569.232 A = 4.611

SHP/ENG = 18354.2 SHP TOTAL = 186913.6

NO FAN = 29.7 NO/SEG = 2.9 LIMIT/SEG = 6.2 VTIP = 797.1

WTFAN = 21714.8 WTGR = 2944.6 WTS = 17152.2

WT AIRU = 41811.6

WT AIRI = 52244.4 WFUEL = 11751.1 WT TIP GEAR = 1901.

WT MAIN GEAR = 37000. WT WING = 205600.

WT SYS = 67916. WT STRUCT = 202600.

TOTAL WEIGHT = 350511. DEL WT = -NAA.

FRACTION OF SW/SIDE = .1500 CUSH MT = 32.0 GEAR MT = 38.0

LIFT = 224700.0 L/A = 189.141 W/W = .097 HP = 20647.765

PJ = 504.341 QJ = 31241.295 A = 5.090

SHP/ENG = 24029.9 SHP TOTAL = 160219.3

NO FAN = 29.4 NO/SEG = 5.3 LIMIT/SEG = 6.2 VTIP = 823.4

WTFAN = 22926.2 WTGR = 7105.2 WTS = 18707.9

WT AIRU = 44739.3

WT AIRI = 55924.1 WFUEL = 12919.1 WT TIP GEAR = 4503.

WT MAIN GEAR = 35251. WT WING = 247351.

WT SYS = 73243. WT STRUCT = 242602.

TOTAL WEIGHT = 355446. DEL WT = 4463.

Y = 4.0 INCHES T/W = .012121

THETA = 45.0 DEGREES 20% SEMISPAN

FRACTION OF RW/SIDE = .0290 CUSH MT = 55.3 GEAR MT = 131.6

LIFT = 37450.0 L/A = 31.524 W/W = .168 HP = 3227.046

PJ = 115.118 QJ = 14417.941 A = 3.449

SHP/ENG = 2256.3 SHP TOTAL = 18050.9

NO FAN = 30.3 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 593.4

WTFAN = 5405.5 WTGR = 1068.0 WTS = 2107.9

WT AIRU = 4580.9

WT AIRI = 10726.1 WFUEL = 1444.0 WT TIP GEAR = 750.

WT MAIN GEAR = 43952. WT WING = 274900.

WT SYS = 12920. WT STRUCT = 325052.

TOTAL WEIGHT = 338772. DEL WT = -12611.

FRACTION OF GW/SIDE = .0500 CUSH MT = 51.9 GEAR MT = 122.8

LIFT = 74900.0 L/A = 63.047 W/W = .157 HP = 9523.731

PJ = 220.569 QJ = 21254.374 A = 3.471

SHP/ENG = 5959.6 SHP TOTAL = 47676.9

NO FAN = 32.2 NO/SEG = 5.6 LIMIT/SEG = 6.2 VTIP = 544.5

WTFAN = 10314.8 WTGR = 1821.1 WTS = 5566.3

WT AIRU = 17702.2

WT AIRI = 22527.4 WFUEL = 3514.2 WT TIP GEAR = 1500.

WT MAIN GEAR = 46526. WT WING = 262827.

WT SYS = 27442. WT STRUCT = 309353.

TOTAL WEIGHT = 336795. DEL WT = -14584.

FRACTION OF GW/SIDE = .0710 CUSH MT = 44.8 GEAR MT = 107.5

LIFT = 412350.0 L/A = 94.571 W/W = .142 HP = 13443.575

PJ = 308.447 QJ = 24942.347 A = 3.994

SHP/ENG = 9784.0 SHP TOTAL = 78212.1

NO FAN = 30.0 NO/SEG = 5.5 LIMIT/SEG = 6.2 VTIP = 644.0
 WTFAN = 14329.4 WTGR = 2253.8 WTS = 9138.3
 WT AIRU = 25712.0
 WT AIRI = 32140.0 WFUEL = 6261.8 WT TIP GEAR = 225.0
 WT MAIN GEAR = 13509. WT WING = 251351.
 WT SYS = 40652. WT STRUCT = 294950.
 TOTAL WEIGHT = 335511. DEL WT = -15872.

FRACTION OF GW/SIDE = .2020 CUSH HT = 42.5 GEAR HT = 86.0
 LIFT = 149500.0 L/A = 126.094 H/W = .129 HP = 19386.125
 PJ = 395.231 QJ = 27677.874 A = 4.327
 SHP/ENG = 13558.4 SHP TOTAL = 168435.0
 NO FAN = 29.8 NO/SEG = 5.4 LIMIT/SEG = 6.2 VTIP = 719.7
 WTFAN = 17751.4 WTGR = 2554.5 WTS = 12659.9
 WT AIRU = 32965.7
 WT AIRI = 42207.2 WFUEL = 8674.8 WT TIP GEAR = 300.0
 WT MAIN GEAR = 40272. WT WING = 247348.
 WT SYS = 52462. WT STRUCT = 287620.
 TOTAL WEIGHT = 340502. DEL WT = -10881.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0
 LIFT = 194740.0 L/A = 143.923 H/W = .109 HP = 24006.243
 PJ = 445.528 QJ = 29477.278 A = 4.969
 SHP/ENG = 16784.7 SHP TOTAL = 134277.3
 NO FAN = 29.3 NO/SEG = 5.3 LIMIT/SEG = 6.2 VTIP = 776.5
 WTFAN = 20371.9 WTGR = 2800.0 WTS = 15576.2
 WT AIRU = 38848.8
 WT AIRI = 48561.0 WFUEL = 10742.2 WT TIP GEAR = 390.0
 WT MAIN GEAR = 77.00. WT WING = 245600.
 WT SYS = 63203. WT STRUCT = 282600.
 TOTAL WEIGHT = 345803. DEL WT = -5580.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 149.141 H/W = .097 HP = 26047.853
 PJ = 477.502 QJ = 30002.655 A = 5.515
 SHP/ENG = 18212.1 SHP TOTAL = 145696.9
 NO FAN = 29.0 NO/SEG = 5.2 LIMIT/SEG = 6.2 VTIP = 801.2
 WTFAN = 21423.3 WTGR = 2918.8 WTS = 17010.1
 WT AIRU = 41352.3
 WT AIRI = 51690.4 WFUEL = 11655.8 WT TIP GEAR = 450.0
 WT MAIN GEAR = 35251. WT WING = 247351.
 WT SYS = 67846. WT STRUCT = 282602.
 TOTAL WEIGHT = 350449. DEL WT = -934.

T = 4.0 INCHES T/W = .012121
 THETA = 60.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 3192.198
 PJ = 114.732 QJ = 15302.726 A = 3.541
 SHP/ENG = 2231.9 SHP TOTAL = 17855.3
 NO FAN = 30.2 NO/SEG = 5.5 LIMIT/SEG = 6.2 VTIP = 392.7
 WTFAN = 5356.1 WTGR = 1059.2 WTS = 2084.6
 WT AIRU = 8500.0

WT AIRI = 10625.0 WFUEL = 1424.4 WT TIP GEAR = 753.
 WT MAIN GEAR = 98952. WT WING = 276900.
 WT SYS = 12803. WT STRUCT = 325852.
 TOTAL WEIGHT = 338655. DEL WT = -12728.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 182.8
 LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 8389.535
 PJ = 219.152 QJ = 21054.957 A = 3.740
 SHP/ENG = 5845.8 SHP TOTAL = 86926.3
 NO FAN = 30.0 NO/SEG = 5.5 LIMIT/SEG = 6.2 VTIP = 582.8
 WTFAN = 10185.2 WTGR = 1804.6 WTS = 5478.6
 WT AIRU = 17844.8

WT AIRI = 21835.5 WFUEL = 3754.1 WT TIP GEAR = 1507.
 WT MAIN GEAR = 86526. WT WING = 262827.
 WT SYS = 27090. WT STRUCT = 308353.
 TOTAL WEIGHT = 336443. DEL WT = -14940.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 112350.0 L/A = 94.571 H/W = .142 HP = 13669.473
 PJ = 305.062 QJ = 24684.883 A = 4.093
 SHP/ENG = 9557.4 SHP TOTAL = 76459.3
 NO FAN = 29.8 NO/SEG = 5.4 LIMIT/SEG = 6.2 VTIP = 640.4
 WTFAN = 14065.7 WTGR = 2229.6 WTS = 8924.8

WT AIRU = 25221.9
 WT AIRI = 31527.0 WFUEL = 6116.7 WT TIP GEAR = 2259.
 WT MAIN GEAR = 93509. WT WING = 251351.
 WT SYS = 39844. WT STRUCT = 294860.
 TOTAL WEIGHT = 334754. DEL WT = -16629.

FRACTION OF GW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.8
 LIFT = 149800.0 L/A = 126.094 H/W = .129 HP = 18816.471
 PJ = 379.563 QJ = 27266.029 A = 4.457
 SHP/ENG = 13156.2 SHP TOTAL = 105249.8
 NO FAN = 29.5 NO/SEG = 5.4 LIMIT/SEG = 6.2 VTIP = 718.3
 WTFAN = 17358.2 WTGR = 2520.6 WTS = 12287.9
 WT AIRU = 32166.7
 WT AIRI = 40208.4 WFUEL = 8420.0 WT TIP GEAR = 3002.
 WT MAIN GEAR = 90272. WT WING = 247348.
 WT SYS = 51628. WT STRUCT = 287620.
 TOTAL WEIGHT = 339249. DEL WT = -12134.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0
 LIFT = 194740.0 L/A = 163.921 H/W = .109 HP = 23083.731
 PJ = 439.568 QJ = 26883.010 A = 5.158
 SHP/ENG = 14279.7 SHP TOTAL = 129117.3
 NO FAN = 29.1 NO/SEG = 5.3 LIMIT/SEG = 6.2 VTIP = 768.7
 WTFAN = 19747.7 WTGR = 2742.8 WTS = 15074.4
 WT AIRU = 37604.9
 WT AIRI = 47006.2 WFUEL = 10324.4 WT TIP GEAR = 3903.
 WT MAIN GEAR = 77000. WT WING = 245600.
 WT SYS = 41214. WT STRUCT = 242600.
 TOTAL WEIGHT = 343835. DEL WT = -7548.

FRACTION OF BW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 220700.0 L/A = 189.141 H/W = .097 HP = 28902.055
 PJ = 466.510 QJ = 29358.740 A = 5.755
 SHP/ENG = 17911.0 SHP TOTAL = 139298.0
 NO FAN = 28.7 NO/SEG = 5.2 LIMIT/SEG = 6.2 VTIP = 791.9
 WIFAN = 20720.9 WTGR = 2842.5 WITS = 16261.9
 WT AIRU = 39825.2
 WT AIRI = 89781.5 WFUEL = 21143.0 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 247351.
 WT SYS = 65425. WT STRUCT = 282602.
 TOTAL WEIGHT = 348027. DEL WT = -3356.

Y = 6.0 INCHES T/W = .018182
 THETA = 15.0 DEGREES 208 SEMISPIN

FRACTION OF BW/SIDE = .0240 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 3318.694
 PJ = 89.204 QJ = 26302.473 A = 3.217
 SHP/ENG = 2320.4 SHP TOTAL = 18562.9
 NO FAN = 45.2 NO/SEG = 9.3 LIMIT/SEG = 6.2 VTIP = 347.7
 WIFAN = 4290.4 WTGR = 1218.3 WITS = 2167.2
 WT AIRU = 9472.0
 WT AIRI = 12090.0 WFUEL = 1485.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 8952. WT WING = 276900.
 WT SYS = 14325. WT STRUCT = 325852.
 TOTAL WEIGHT = 340177. DEL WT = -11206.

FRACTION OF BW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.0 L/A = 63.097 H/W = .157 HP = 8870.092
 PJ = 173.672 QJ = 28090.990 A = 3.198
 SHP/ENG = 6201.8 SHP TOTAL = 49614.2
 NO FAN = 45.0 NO/SEG = 9.2 LIMIT/SEG = 6.2 VTIP = 443.2
 WIFAN = 12096.7 WTGR = 2048.9 WITS = 5792.5
 WT AIRU = 19938.1
 WT AIRI = 24922.6 WFUEL = 3969.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46526. WT WING = 262827.
 WT SYS = 30392. WT STRUCT = 309353.
 TOTAL WEIGHT = 339745. DEL WT = -11438.

FRACTION OF BW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 112350.0 L/A = 94.571 H/W = .114 HP = 14838.249
 PJ = 246.030 QJ = 33166.467 A = 3.390
 SHP/ENG = 10373.2 SHP TOTAL = 82985.6
 NO FAN = 44.6 NO/SEG = 9.2 LIMIT/SEG = 6.2 VTIP = 575.1
 WIFAN = 16999.4 WTGR = 2515.2 WITS = 9688.6
 WT AIRU = 29203.1
 WT AIRI = 36503.4 WFUEL = 6434.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 43509. WT WING = 251351.
 WT SYS = 45393. WT STRUCT = 298860.
 TOTAL WEIGHT = 340252. DEL WT = -11131.

FRACTION OF BW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.0
 LIFT = 149400.0 L/A = 126.094 H/W = .129 HP = 20898.858
 PJ = 310.473 QJ = 34974.527 A = 3.635

SHP/ENG = 14612.0 SHP TOTAL = 316896.3
 NO FAN = 44.3 NO/SEG = 9.1 LIMIT/SEG = 6.2 VTIP = 646.5
 WIFAN = 21302.7 WTGR = 2842.0 WTS = 13647.6
 WT AIRU = 37192.3
 WT AIRI = 47240.4 WFUEL = 9351.7 WT TIP GEAR = 3000.
 WT MAIN GEAR = 46272. WT WING = 247348.
 WT SYS = 59592. WT STRUCT = 247620.
 TOTAL WEIGHT = 347213. DEL WT = -4170.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0
 LIFT = 194740.0 L/A = 163.923 H/W = .109 HP = 26578.842
 PJ = 368.919 QJ = 39675.647 A = 4.108
 SHP/ENG = 18583.4 SHP TOTAL = 148667.2
 NO FAN = 43.6 NO/SEG = 8.9 LIMIT/SEG = 6.2 VTIP = 704.2
 WIFAN = 24973.2 WTGR = 3166.9 WTS = 17356.9
 WT AIRU = 45397.0
 WT AIRI = 56746.3 WFUEL = 11893.4 WT TIP GEAR = 3900.
 WT MAIN GEAR = 77000. WT WING = 295600.
 WT SYS = 72540. WT STRUCT = 282600.
 TOTAL WEIGHT = 355140. DEL WT = 3757.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 189.141 H/W = .097 HP = 29377.050
 PJ = 397.852 QJ = 40611.548 A = 4.511
 SHP/ENG = 20539.8 SHP TOTAL = 164318.5
 NO FAN = 43.0 NO/SEG = 8.7 LIMIT/SEG = 6.2 VTIP = 731.9
 WIFAN = 26469.8 WTGR = 3366.3 WTS = 19184.2
 WT AIRU = 39020.3
 WT AIRI = 51275.4 WFUEL = 13145.5 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 247852.
 WT SYS = 78921. WT STRUCT = 282600.
 TOTAL WEIGHT = 361523. DEL WT = 10190.

T = 6.0 INCHES T/W = .018182
 THETA = 30.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 2962.565
 PJ = 84.091 QJ = 19376.736 A = 3.310
 SHP/ENG = 2071.4 SHP TOTAL = 16570.9
 NO FAN = 44.6 NO/SEG = 9.1 LIMIT/SEG = 6.2 VTIP = 586.2
 WIFAN = 5506.2 WTGR = 1129.8 WTS = 1054.7
 WT AIRU = 8870.7
 WT AIRI = 11089.4 WFUEL = 1324.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 44952. WT WING = 276900.
 WT SYS = 13169. WT STRUCT = 325932.
 TOTAL WEIGHT = 339316. DEL WT = -12367.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.0 L/A = 13.047 H/W = .157 HP = 7887.544
 PJ = 192.118 QJ = 26759.262 A = 3.471
 SHP/ENG = 5510.8 SHP TOTAL = 44118.5
 NO FAN = 44.4 NO/SEG = 9.1 LIMIT/SEG = 6.2 VTIP = 466.9
 WIFAN = 11133.4 WTGR = 1933.4 WTS = 5150.8

WT AIRU = 18217.7

WT AIRI = 22772.1 WFUEL = 3529.5 WT TIP GEAR = 1500.

WT MAIN GEAR = 46526. WT WING = 262827.

WT SYS = 27802. WT STRUCT = 309353.

TOTAL WEIGHT = 537155. DEL WT = -14228.

FRACTION OF GW/SIDE = .0750 CUSH WT = 46.8 GEAR WT = 137.9

LIFT = 112350.0 L/A = 99.571 M/W = .142 HP = 13116.566

PJ = 229.010 QJ = 31531.388 A = 3.758

SHP/ENG = 9170.8 SHP TOTAL = 73356.6

NO FAN = 43.9 NO/SEG = 9.0 LIMIT/SEG = 6.2 VTIP = 554.9

WT FAN = 15527.4 WTGB = 2395.0 WTTS = 8545.4

WT AIRU = 26538.0

WT AIRI = 33172.5 WFUEL = 5869.3 WT TIP GEAR = 2250.

WT MAIN GEAR = 43509. WT WING = 251351.

WT SYS = 41242. WT STRUCT = 294850.

TOTAL WEIGHT = 536151. DEL WT = -15232.

FRACTION OF GW/SIDE = .1000 CUSH WT = 42.5 GEAR WT = 96.0

LIFT = 147800.0 L/A = 126.094 M/W = .129 HP = 19388.320

PJ = 298.751 QJ = 35025.300 A = 4.047

SHP/ENG = 12956.7 SHP TOTAL = 102953.8

NO FAN = 43.9 NO/SEG = 8.9 LIMIT/SEG = 6.2 VTIP = 621.1

WT FAN = 19848.4 WTGB = 2700.3 WTTS = 12008.2

WT AIRU = 34156.8

WT AIRI = 42696.0 WFUEL = 8228.3 WT TIP GEAR = 3000.

WT MAIN GEAR = 40272. WT WING = 247348.

WT SYS = 53924. WT STRUCT = 287620.

TOTAL WEIGHT = 341585. DEL WT = -9818.

FRACTION OF GW/SIDE = .1300 CUSH WT = 36.1 GEAR WT = 58.0

LIFT = 194740.0 L/A = 163.923 M/W = .109 HP = 23230.548

PJ = 341.742 QJ = 37397.272 A = 4.611

SHP/ENG = 15202.3 SHP TOTAL = 122938.5

NO FAN = 42.7 NO/SEG = 8.7 LIMIT/SEG = 6.2 VTIP = 677.8

WT FAN = 22584.6 WTGB = 2949.3 WTTS = 15170.3

WT AIRU = 40709.2

WT AIRI = 50880.3 WFUEL = 10395.1 WT TIP GEAR = 3900.

WT MAIN GEAR = 37000. WT WING = 245600.

WT SYS = 65175. WT STRUCT = 282620.

TOTAL WEIGHT = 347775. DEL WT = -3698.

FRACTION OF GW/SIDE = .1500 CUSH WT = 32.0 GEAR WT = 38.0

LIFT = 224700.0 L/A = 189.141 M/W = .097 HP = 25580.488

PJ = 349.352 QJ = 34195.223 A = 5.492

SHP/ENG = 17845.3 SHP TOTAL = 143042.7

NO FAN = 42.0 NO/SEG = 8.5 LIMIT/SEG = 6.2 VTIP = 703.7

WT FAN = 23954.1 WTGB = 7081.3 WTTS = 16708.2

WT AIRU = 43740.3

WT AIRI = 54675.4 WFUEL = 11446.5 WT TIP GEAR = 4500.

WT MAIN GEAR = 35251. WT WING = 247351.

WT SYS = 70622. WT STRUCT = 282602.

TOTAL WEIGHT = 353224. DEL WT = 1841.

T = 6.0 INCHES T/W = .018182
 THETA = 45.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .7250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.529 H/W = .168 HP = 2798.440
 PJ = 81.573 QJ = 14448.304 A = 3.449
 SHP/ENG = 1956.6 SHP TOTAL = 15652.9
 NO FAN = 44.1 NO/SEG = 9.0 LIMIT/SEG = 6.2 VTIP = 331.2
 WIFAN = 5568.6 WTGR = 1087.7 WITS = 1827.5
 WT AIRU = 8483.8
 WT AIRI = 10604.7 WFUEL = 1252.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 94952. WT WING = 274900.
 WT SYS = 12607. WT STRUCT = 325052.
 TOTAL WEIGHT = 338159. DEL WT = -12924.

FRACTION OF GW/SIDE = .7500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 7419.702
 PJ = 156.906 QJ = 26008.166 A = 3.671
 SHP/ENG = 5197.7 SHP TOTAL = 41501.6
 NO FAN = 43.8 NO/SEG = 9.0 LIMIT/SEG = 6.2 VTIP = 459.3
 WIFAN = 10545.6 WTGR = 1671.5 WITS = 4845.3
 WT AIRU = 17362.4
 WT AIRI = 21702.9 WFUEL = 3320.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46526. WT WING = 262827.
 WT SYS = 26523. WT STRUCT = 309353.
 TOTAL WEIGHT = 335976. DEL WT = -15507.

FRACTION OF GW/SIDE = .8750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 412350.0 L/A = 94.571 H/W = .142 HP = 17813.402
 PJ = 220.928 QJ = 30527.168 A = 3.994
 SHP/ENG = 8573.6 SHP TOTAL = 68288.9
 NO FAN = 43.3 NO/SEG = 8.8 LIMIT/SEG = 6.2 VTIP = 545.0
 WIFAN = 14527.0 WTGR = 2326.6 WITS = 8007.9
 WT AIRU = 25131.4
 WT AIRI = 31451.7 WFUEL = 5487.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 43509. WT WING = 251351.
 WT SYS = 39189. WT STRUCT = 294860.
 TOTAL WEIGHT = 334248. DEL WT = -17335.

FRACTION OF GW/SIDE = .1000 CUSH HT = 42.3 GEAR HT = 86.8
 LIFT = 149800.0 L/A = 126.094 H/W = .129 HP = 17105.131
 PJ = 277.861 QJ = 33854.049 A = 4.327
 SHP/ENG = 11958.2 SHP TOTAL = 95665.2
 NO FAN = 42.9 NO/SEG = 8.7 LIMIT/SEG = 6.2 VTIP = 611.2
 WIFAN = 14440.2 WTGR = 2423.0 WITS = 11168.7
 WT AIRU = 32232.0
 WT AIRI = 40290.0 WFUEL = 7653.2 WT TIP GEAR = 3000.
 WT MAIN GEAR = 40272. WT WING = 247348.
 WT SYS = 50943. WT STRUCT = 287620.
 TOTAL WEIGHT = 338564. DEL WT = -12819.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0
 LIFT = 194740.0 L/A = 163.923 H/W = .109 HP = 21451.610

PJ = 327.837 Q1 = 34994.575 A = 4.969
 SHP/ENG = 14900.5 SHP TOTAL = 119998.2
 NO FAN = 41.9 NO/SEG = 8.5 LIMIT/SEG = 6.2 VTIP = 663.9
 WIFAN = 21292.8 WIGB = 2891.9 WITS = 18008.6
 WT AIRU = 39143.1
 WT AIRI = 47679.2 WFUL = 9599.1 WT TIP GEAR = 3900.
 WT MAIN GEAR = 9760.0 WT WING = 28560.0
 WT SYS = 61171.0 WT STRUCT = 28260.0
 TOTAL WEIGHT = 313779.0 DEL WT = -7605.

FRACTION OF GW/SIDE = .2500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224706.0 L/A = 189.191 H/W = .097 HP = 21523.112
 PJ = 352.890 Q1 = 36652.695 A = 5.519
 SHP/ENG = 16147.1 SHP TOTAL = 131576.8
 NO FAN = 41.2 NO/SEG = 8.3 LIMIT/SEG = 6.2 VTIP = 688.8
 WIFAN = 22505.3 WIGB = 2946.5 WITS = 15361.6
 WT AIRU = 40813.1
 WT AIRI = 53514.1 WFUL = 10524.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 9653.0 WT WING = 297351.0
 WT SYS = 66041.0 WT STRUCT = 28260.2
 TOTAL WEIGHT = 314485.0 DEL WT = -2738.

T = 6.0 INCHES F/W = .018182

THETA = 60.0 DEGREES

208 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.0
 LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 2783.148
 PJ = 91.750 Q1 = 18724.510 A = 3.541
 SHP/ENG = 1425.9 SHP TOTAL = 15567.3
 NO FAN = 43.7 NO/SEG = 8.9 LIMIT/SEG = 6.2 VTIP = 531.9
 WIFAN = 5532.2 WIGB = 1081.4 WITS = 1817.5
 WT AIRU = 8431.1
 WT AIRI = 10538.8 WFUL = 1245.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 8805.2 WT WING = 276900.
 WT SYS = 12534.0 WT STRUCT = 32595.2
 TOTAL WEIGHT = 338386.0 DEL WT = -12997.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 7344.559
 PJ = 156.914 Q1 = 25759.805 A = 3.710
 SHP/ENG = 5835.8 SHP TOTAL = 46686.4
 NO FAN = 43.4 NO/SEG = 8.9 LIMIT/SEG = 6.2 VTIP = 459.2
 WIFAN = 10540.8 WIGB = 1857.7 WITS = 8796.2
 WT AIRU = 17194.4
 WT AIRI = 21403.4 WFUL = 3246.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 8420.0 WT WING = 252927.
 WT SYS = 26240.0 WT STRUCT = 309353.
 TOTAL WEIGHT = 336433.0 DEL WT = -15750.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 112350.0 L/A = 98.571 H/W = .142 HP = 12253.221
 PJ = 219.914 Q1 = 30104.774 A = 4.093
 SHP/ENG = 8427.4 SHP TOTAL = 67418.9
 NO FAN = 42.9 NO/SEG = 8.7 LIMIT/SEG = 6.2 VTIP = 583.7

WTFAN = 14607.6 WTGR = 2305.4 WTS = 7871.2

WT AIRU = 24789.1

WT AIRI = 30980.2 WFUEL = 5343.5 WT TIP GEAR = 2259.

WT MAIN GEAR = 43509. WT WING = 251351.

WT SYS = 34624. WT STRUCT = 294860.

TOTAL WEIGHT = 333483. DEL WT = -17900.

FRACTION OF SW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.0

LIFT = 149400.0 L/A = 126.094 H/W = .129 HP = 16713.303

PJ = 275.597 QJ = 33342.087 A = 4.457

SHP/ENG = 11695.6 SHP TOTAL = 93484.7

NO FAN = 42.4 NO/SEG = 8.6 LIMIT/SEG = 6.2 VTIP = 608.9

WTFAN = 18090.4 WTGR = 2599.2 WTS = 10014.92

WT AIRU = 31600.0

WT AIRI = 39500.0 WFUEL = 7478.8 WT TIP GEAR = 3002.

WT MAIN GEAR = 40272. WT WING = 247348.

WT SYS = 49979. WT STRUCT = 287620.

TOTAL WEIGHT = 337499. DEL WT = -13784.

FRACTION OF SW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0

LIFT = 194740.0 L/A = 143.923 H/W = .109 HP = 27786.981

PJ = 323.884 QJ = 35299.166 A = 5.158

SHP/ENG = 14573.8 SHP TOTAL = 116270.1

NO FAN = 41.4 NO/SEG = 8.3 LIMIT/SEG = 6.2 VTIP = 659.9

WTFAN = 20758.7 WTGR = 2799.2 WTS = 13574.6

WT AIRU = 37132.8

WT AIRI = 45415.6 WFUEL = 9301.6 WT TIP GEAR = 3900.

WT MAIN GEAR = 77000. WT WING = 295600.

WT SYS = 59617. WT STRUCT = 284600.

TOTAL WEIGHT = 342217. DEL WT = -9261.

FRACTION OF SW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0

LIFT = 224700.0 L/A = 189.141 H/W = .097 HP = 22679.552

PJ = 347.337 QJ = 35460.934 A = 5.755

SHP/ENG = 15857.1 SHP TOTAL = 126856.5

NO FAN = 40.6 NO/SEG = 8.1 LIMIT/SEG = 6.2 VTIP = 683.8

WTFAN = 21854.9 WTGR = 2890.8 WTS = 14810.5

WT AIRU = 39556.2

WT AIRI = 49445.3 WFUEL = 10146.5 WT TIP GEAR = 4500.

WT MAIN GEAR = 75251. WT WING = 237351.

WT SYS = 64094. WT STRUCT = 282602.

TOTAL WEIGHT = 346696. DEL WT = -4687.

I = 8.0 INCHES I/W = .024242

THETA = 15.0 DEGREES 72% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6

LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 3004444

PJ = 70.528 QJ = 23429.545 A = 3.017

SHP/ENG = 2100.6 SHP TOTAL = 16805.2

NO FAN = 59.4 NO/SEG = 12.7 LIMIT/SEG = 6.2 VTIP = 397.9

WTFAN = 6429.6 WTGR = 1233.8 WTS = 1962.0

WT AIRU = 9625.4

WT AIRI = 12031.8 WFUEL = 1344.4 WT TIP GEAR = 750.

WT MAIN GEAR = 44052, WT WING = 274900.
WT SYS = 14126. WT STRUCT = 325852.
TOTAL WEIGHT = 339978. DEL WT = -21405.

FRACTION OF GW/SIDE = .0500 CUSH WT = 51.9 GEAR HT = 122.8
LIFT = 74900.0 L/A = 63.047 M/W = .157 HP = 8052.574
PJ = 136.634 QJ = 3244.400 A = 3.152
SHP/ENG = 5630.2 SHP TOTAL = 45041.5
NO FAN = 58.5 NO/SEG = 12.4 LIMIT/SEG = 6.2 VTIP = 428.4
WTFAN = 12381.1 WTGR = 2097.9 WTS = 5258.6
WT AIRU = 19737.5
WT AIRI = 24671.9 WFUEL = 3403.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 44528, WT WING = 282827.
WT SYS = 29775. WT STRUCT = 309353.
TOTAL WEIGHT = 339128. DEL WT = -12255.

FRACTION OF GW/SIDE = .0750 CUSH WT = 46.8 GEAR HT = 107.5
LIFT = 812350.0 L/A = 94.571 M/W = .192 HP = 13534.877
PJ = 194.539 QJ = 38255.802 A = 3.390
SHP/ENG = 9463.1 SHP TOTAL = 75706.8
NO FAN = 57.9 NO/SEG = 12.5 LIMIT/SEG = 6.2 VTIP = 511.4
WTFAN = 17440.3 WTGR = 2584.1 WTS = 9938.7
WT AIRU = 29843.1

WT AIRI = 36078.9 WFUEL = 6054.5 WT TIP GEAR = 2250.
WT MAIN GEAR = 43509. WT WING = 251351.
WT SYS = 44385. WT STRUCT = 298850.
TOTAL WEIGHT = 339245. DEL WT = -12138.

FRACTION OF GW/SIDE = .1000 CUSH WT = 42.8 GEAR HT = 94.0
LIFT = 149800.0 L/A = 126.094 M/W = .124 HP = 19160.627
PJ = 247.077 QJ = 42652.095 A = 3.435
SHP/ENG = 13395.7 SHP TOTAL = 107173.6
NO FAN = 57.3 NO/SEG = 12.3 LIMIT/SEG = 6.2 VTIP = 576.3
WTFAN = 21947.7 WTGR = 2961.2 WTS = 12512.5
WT AIRU = 37321.4
WT AIRI = 46651.7 WFUEL = 8573.9 WT TIP GEAR = 3000.
WT MAIN GEAR = 40272. WT WING = 247348.
WT SYS = 58226. WT STRUCT = 287620.
TOTAL WEIGHT = 345946. DEL WT = -5537.

FRACTION OF GW/SIDE = .1300 CUSH WT = 36.1 GEAR HT = 58.0
LIFT = 194740.0 L/A = 163.923 M/W = .109 HP = 24597.692
PJ = 296.001 QJ = 35704.996 A = 4.108
SHP/ENG = 17198.2 SHP TOTAL = 137585.5
NO FAN = 54.1 NO/SEG = 12.0 LIMIT/SEG = 6.2 VTIP = 633.8
WTFAN = 25595.1 WTGR = 3186.6 WTS = 16063.1
WT AIRU = 44944.8
WT AIRI = 54181.0 WFUEL = 11000.8 WT TIP GEAR = 3900.
WT MAIN GEAR = 37000. WT WING = 245600.
WT SYS = 71083. WT STRUCT = 282600.
TOTAL WEIGHT = 353498. DEL WT = -2305.

FRACTION OF GW/SIDE = .1500 CUSH WT = 32.0 GEAR HT = 30.0

LIFT = 229700.0 L/A = 149.141 H/W = .097 HP = 27396.702
 PJ = 321.898 QJ = 46813.793 A = 4.511
 SHP/ENG = 19156.6 SHP TOTAL = 153252.8
 NO FAN = 55.1 NO/SEG = 11.8 LIMIT/SEG = 6.2 VTIP = 437.8
 WIFAN = 27445.6 WTGB = 3361.3 WTTS = 17392.3
 WT AIRU = 48699.1
 WT AIRI = 50873.9 WFUEL = 12250.2 WT TIP GEAR = 9500.
 WT MAIN GEAR = 35251. WT WING = 297351.
 WT SYS = 77634. WT STRUCT = 282602.
 TOTAL WEIGHT = 360237. DEL WT = 8858.

T = 8.0 INCHES T/W = .024242

THETA = 30.0 DEGREES 20% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 2703.828
 PJ = 46.520 QJ = 22355.601 A = 3.310
 SHP/ENG = 1490.5 SHP TOTAL = 15123.7
 NO FAN = 57.8 NO/SEG = 12.5 LIMIT/SEG = 6.2 VTIP = 290.0
 WIFAN = 5958.0 WTGB = 1151.6 WTTS = 1765.7
 WT AIRU = 8675.3
 WT AIRI = 11094.2 WFUEL = 1209.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 9452. WT WING = 276900.
 WT SYS = 13054. WT STRUCT = 325852.
 TOTAL WEIGHT = 338906. DEL WT = -12977.

FRACTION OF SW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
 LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 7222.097
 PJ = 126.575 QJ = 30869.669 A = 3.971
 SHP/ENG = 5049.5 SHP TOTAL = 10195.5
 NO FAN = 57.4 NO/SEG = 12.4 LIMIT/SEG = 6.2 VTIP = 415.9
 WIFAN = 11442.5 WTGB = 1963.1 WTTS = 9716.3
 WT AIRU = 18141.8
 WT AIRI = 22677.2 WFUEL = 3231.7 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46524. WT WING = 242527.
 WT SYS = 27404. WT STRUCT = 309353.
 TOTAL WEIGHT = 336762. DEL WT = -14621.

FRACTION OF SW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
 LIFT = 112350.0 L/A = 94.571 H/W = .142 HP = 12278.369
 PJ = 182.892 QJ = 36332.402 A = 3.975
 SHP/ENG = 8444.9 SHP TOTAL = 67559.5
 NO FAN = 56.7 NO/SEG = 12.2 LIMIT/SEG = 6.2 VTIP = 495.8
 WIFAN = 14053.6 WTGB = 2466.3 WTTS = 7897.6
 WT AIRU = 26407.5
 WT AIRI = 30009.4 WFUEL = 5404.9 WT TIP GEAR = 2250.
 WT MAIN GEAR = 43509. WT WING = 251351.
 WT SYS = 40600. WT STRUCT = 290860.
 TOTAL WEIGHT = 335529. DEL WT = -15859.

FRACTION OF SW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.0
 LIFT = 149500.0 L/A = 126.094 H/W = .129 HP = 17030.548
 PJ = 231.921 QJ = 40387.377 A = 4.047
 SHP/ENG = 11927.3 SHP TOTAL = 95258.1

NO FAN = 54.0 NO/SEG = 12.0 LIMIT/SEG = 6.2 VTIP = 558.9
 WIFAN = 20098.1 WTGR = 2774.0 WITS = 11121.9
 WT AIRU = 33993.5
 WT AIRI = 92891.9 WFUEL = 7620.6 WT TIP GEAR = 3000.
 WT MAIN GEAR = 40272. WT WING = 287348.
 WT SYS = 53113. WT STRUCT = 287520.
 TOTAL WEIGHT = 340733. DEL WT = -10450.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0
 LIFT = 194740.0 L/A = 163.923 M/W = .109 HP = 21747.597
 PJ = 277.592 QJ = 43089.015 A = 4.611
 SHP/ENG = 15235.5 SHP TOTAL = 21443.7

NO FAN = 54.6 NO/SEG = 11.6 LIMIT/SEG = 6.2 VTIP = 610.7
 WIFAN = 23454.0 WTGR = 3004.3 WITS = 14201.9
 WT AIRU = 40665.3
 WT AIRI = 50836.6 WFUEL = 9731.5 WT TIP GEAR = 3900.
 WT MAIN GEAR = 77000. WT WING = 245500.
 WT SYS = 64468. WT STRUCT = 242600.
 TOTAL WEIGHT = 347068. DEL WT = -4315.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 189.141 M/W = .097 HP = 2159.031
 PJ = 301.395 QJ = 43908.995 A = 5.092

SHP/ENG = 16891.5 SHP TOTAL = 135131.7
 NO FAN = 53.4 NO/SEG = 11.4 LIMIT/SEG = 6.2 VTIP = 637.2
 WIFAN = 24985.2 WTGR = 3131.5 WITS = 15776.7
 WT AIRU = 43893.3
 WT AIRI = 54866.6 WFUEL = 10910.6 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 207351.
 WT SYS = 70177. WT STRUCT = 202002.
 TOTAL WEIGHT = 352780. DEL WT = 1597.

T = 8.0 INCHES T/W = .024242
 IMFA = 95.0 DEGREES 27X SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 M/W = .168 HP = 2571.485
 PJ = 64.985 QJ = 21763.790 A = 3.489
 SHP/ENG = 1797.9 SHP TOTAL = 14383.4

NO FAN = 57.0 NO/SEG = 12.2 LIMIT/SEG = 6.2 VTIP = 295.4
 WIFAN = 5733.0 WTGR = 1111.9 WITS = 1679.5
 WT AIRU = 8524.1
 WT AIRI = 10655.1 WFUEL = 1150.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 48452. WT WING = 276900.
 WT SYS = 12556. WT STRUCT = 325850.
 TOTAL WEIGHT = 379407. DEL WT = -2976.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.9
 LIFT = 74900.0 L/A = 63.047 M/W = .157 HP = 6442.671
 PJ = 125.469 QJ = 29995.103 A = 3.671
 SHP/ENG = 4704.3 SHP TOTAL = 34274.0

NO FAN = 56.5 NO/SEG = 12.1 LIMIT/SEG = 6.2 VTIP = 419.7
 WIFAN = 10978.9 WTGR = 1923.3 WITS = 4468.5
 WT AIRU = 17370.7

WT AIRI = 21713.4 WFUEL = 3651.9 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46526. WT WING = 262827.
 WT SYS = 26275. WT STRUCT = 309353.
 TOTAL WEIGHT = 335628. DEL WT = -15759.

FRACTION OF GW/SIDE = .0750 CUSH WT = 96.8 GEAR HT = 137.5
 LIFT = 112350.0 L/A = 94.571 M/W = .142 HP = 11380.312
 PJ = 177.830 QJ = 35197.419 A = 3.998
 SHP/ENG = 7956.9 SHP TOTAL = 63655.0
 NO FAN = 55.7 NO/SEG = 11.9 LIMIT/SEG = 6.2 VTIP = 489.0
 WIFAN = 15337.5 WTGR = 2400.2 WITS = 7431.7
 WT AIRU = 25169.9

WT AIRI = 31461.7 WFUEL = 5092.4 WT TIP GEAR = 2250.
 WT MAIN GEAR = 43509. WT WING = 251351.
 WT SYS = 38908. WT STRUCT = 298850.
 TOTAL WEIGHT = 533664. DEL WT = -17719.

FRACTION OF GW/SIDE = .1000 CUSH WT = 42.5 GEAR HT = 86.0
 LIFT = 149600.0 L/A = 126.094 M/W = .129 HP = 15973.900
 PJ = 225.148 QJ = 39021.575 A = 4.327
 SHP/ENG = 11158.6 SHP TOTAL = 89348.9
 NO FAN = 54.9 NO/SEG = 11.7 LIMIT/SEG = 6.2 VTIP = 550.2
 WIFAN = 19132.8 WTGR = 2703.6 WITS = 10431.5
 WT AIRU = 32267.3

WT AIRI = 40339.1 WFUEL = 7147.9 WT TIP GEAR = 3000.
 WT MAIN GEAR = 40272. WT WING = 297398.
 WT SYS = 50482. WT STRUCT = 287620.
 TOTAL WEIGHT = 338102. DEL WT = -13261.

FRACTION OF GW/SIDE = .1300 CUSH WT = 36.1 GEAR HT = 56.0
 LIFT = 194740.0 L/A = 163.923 M/W = .109 HP = 20275.180
 PJ = 268.970 QJ = 41455.322 A = 4.969
 SHP/ENG = 14174.6 SHP TOTAL = 113396.4
 NO FAN = 53.3 NO/SEG = 11.3 LIMIT/SEG = 6.2 VTIP = 621.3
 WIFAN = 22216.3 WTGR = 2916.6 WITS = 13239.0
 WT AIRU = 38371.9

WT AIRI = 47964.9 WFUEL = 9071.7 WT TIP GEAR = 3900.
 WT MAIN GEAR = 47000. WT WING = 245600.
 WT SYS = 60937. WT STRUCT = 282600.
 TOTAL WEIGHT = 343537. DEL WT = -7446.

FRACTION OF GW/SIDE = .1500 CUSH WT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 189.141 M/W = .097 HP = 22444.630
 PJ = 242.441 QJ = 42266.309 A = 5.515
 SHP/ENG = 12602.8 SHP TOTAL = 125542.5
 NO FAN = 52.1 NO/SEG = 11.0 LIMIT/SEG = 6.2 VTIP = 427.1
 WIFAN = 23586.7 WTGR = 7018.5 WITS = 14657.1
 WT AIRU = 41262.3

WT AIRI = 51577.8 WFUEL = 10443.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35251. WT WING = 247351.
 WT SYS = 65421. WT STRUCT = 282622.
 TOTAL WEIGHT = 348724. DEL WT = -2659.

T = 8.2 INCHES T/W = .029202

THETA = 60.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.0

LIFT = 3750.0 L/A = 31.524 M/W = .168 HP = 2570.582

PJ = 65.474 QJ = 21593.566 A = 3.541

SHP/ENG = 1707.3 SHP TOTAL = 10378.0

NO FAN = 56.3 NO/SEG = 12.1 LIMIT/SEG = 6.2 VTIP = 296.7

JTFAN = 5709.5 WTGB = 1107.9 WITS = 1578.7

WT AIRU = 849.1

WT AIRI = 10620.1 WFUEL = 1150.3 WT TIP GEAR = 750.

WT MAIN GEAR = 18952. WT WING = 276900.

WT SYS = 12520. WT STRUCT = 125812.

TOTAL WEIGHT = 338972. DEL WT = 130111.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.0

LIFT = 74900.0 L/A = 63.047 M/W = .157 HP = 6810.028

PJ = 126.163 QJ = 29701.916 A = 3.787

SHP/ENG = 4761.9 SHP TOTAL = 38091.0

NO FAN = 55.8 NO/SEG = 12.0 LIMIT/SEG = 6.2 VTIP = 411.7

JTFAN = 10999.0 WTGB = 1912.0 WITS = 8887.2

WT AIRU = 17258.6

WT AIRI = 21573.3 WFUEL = 3047.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 14520. WT WING = 242827.

WT SYS = 26121. WT STRUCT = 309153.

TOTAL WEIGHT = 335174. DEL WT = 15909.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5

LIFT = 112350.0 L/A = 94.571 M/W = .182 HP = 11251.748

PJ = 178.101 QJ = 54796.972 A = 4.041

SHP/ENG = 7567.0 SHP TOTAL = 62936.0

NO FAN = 54.9 NO/SEG = 11.7 LIMIT/SEG = 6.2 VTIP = 489.9

JTFAN = 15152.7 WTGB = 2381.5 WITS = 7347.9

WT AIRU = 24882.0

WT AIRI = 31102.5 WFUEL = 5039.9 WT TIP GEAR = 2250.

WT MAIN GEAR = 43509. WT WING = 251351.

WT SYS = 38387. WT STRUCT = 298850.

TOTAL WEIGHT = 333287. DEL WT = 18136.

FRACTION OF GW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.0

LIFT = 149800.0 L/A = 126.094 M/W = .210 HP = 15700.021

PJ = 224.874 QJ = 39418.906 A = 4.457

SHP/ENG = 10982.7 SHP TOTAL = 87861.0

NO FAN = 54.1 NO/SEG = 11.5 LIMIT/SEG = 6.2 VTIP = 549.8

JTFAN = 18925.9 WTGB = 2678.6 WITS = 10257.7

WT AIRU = 31742.3

WT AIRI = 34702.9 WFUEL = 7028.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 40272. WT WING = 247348.

WT SYS = 49732. WT STRUCT = 287620.

TOTAL WEIGHT = 337352. DEL WT = 14031.

FRACTION OF GW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0

LIFT = 194740.0 L/A = 163.923 M/W = .109 HP = 19782600

PJ = 267.707 QJ = 40693.932 A = 5.158

SHP/ENG = 13971.7 SHP TOTAL = 110653.6
 NO FAN = 52.4 NO/SEG = 11.1 LIMIT/SEG = 6.2 VTIP = 599.9
 JTFAN = 21730.1 WTGB = 2880.6 WTTS = 12918.8
 WT AIRU = 37529.2
 WT AIRI = 45911.9 WFUEL = 9852.3 WT TIP GEAR = 3900.
 WT MAIN GEAR = 77000. WT WING = 245600.
 WT SYS = 54688. WT STRUCT = 282636.
 TOTAL WEIGHT = 342264. DEL WT = -9119.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0
 LIFT = 224700.0 L/A = 189.141 H/W = .097 HP = 21462.127
 PJ = 290.615 QJ = 91241.387 A = 5.755
 SHP/ENG = 15243.6 SHP TOTAL = 121986.7
 NO FAN = 51.1 NO/SEG = 10.8 LIMIT/SEG = 6.2 VTIP = 625.1
 JTFAN = 22984.9 WTGB = 2972.1 WTTS = 14237.5
 WT AIRU = 40194.5
 WT AIRI = 50243.2 WFUEL = 9755.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75251. WT WING = 247351.
 WT SYS = 64499. WT STRUCT = 282602.
 TOTAL WEIGHT = 347101. DEL WT = -4282.

T = 10.0 INCHES T/W = .030303
 THETA = 15.0 DEGREES 208 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6
 LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 2407.691
 PJ = 58.996 QJ = 26175.290 A = 3.017
 SHP/ENG = 1983.1 SHP TOTAL = 15704.6
 NO FAN = 71.9 NO/SEG = 16.0 LIMIT/SEG = 6.2 VTIP = 281.6
 JTFAN = 6569.6 WTGB = 1255.2 WTTS = 1853.2
 WT AIRU = 9658.4
 WT AIRI = 12073.0 WFUEL = 1256.9 WT TIP GEAR = 192.
 WT MAIN GEAR = 48952. WT WING = 276900.
 WT SYS = 14079. WT STRUCT = 325852.
 TOTAL WEIGHT = 339431. DEL WT = -11852.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 182.8
 LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 7545.528
 PJ = 114.612 QJ = 36209.448 A = 3.152
 SHP/ENG = 5275.7 SHP TOTAL = 42205.4
 NO FAN = 71.0 NO/SEG = 15.8 LIMIT/SEG = 6.2 VTIP = 392.3
 JTFAN = 12667.1 WTGB = 2145.5 WTTS = 4927.5
 WT AIRU = 19740.1
 WT AIRI = 24675.1 WFUEL = 3374.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46426. WT WING = 252527.
 WT SYS = 24552. WT STRUCT = 304353.
 TOTAL WEIGHT = 338905. DEL WT = -12478.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.6 GEAR HT = 107.5
 LIFT = 112350.0 L/A = 44.571 H/W = .142 HP = 12742.403
 PJ = 163.934 QJ = 42777.857 A = 3.390
 SHP/ENG = 8979.2 SHP TOTAL = 71273.8
 NO FAN = 70.4 NO/SEG = 15.6 LIMIT/SEG = 6.2 VTIP = 469.3
 JTFAN = 17883.5 WTGB = 2451.1 WTTS = 8321.2

WT AIRU = 28555.9

WT AIRI = 36069.8 WFUEL = 5701.9 WT TIP GEAR = 2259.

WT MAIN GEAR = 93509. WT WING = 251351.

WT SYS = 99022. WT STRUCT = 298860.

TOTAL WEIGHT = 338981. DEL WT = -12502.

FRACTION OF SW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.0

LIFT = 149800.0 L/A = 126.394 H/W = .129 HP = 18120.490

PJ = 209.308 QJ = 87626.691 A = 3.635

SHP/ENG = 12672.3 SHP TOTAL = 101378.1

NO FAN = 59.5 NO/SEG = 15.4 LIMIT/SEG = 6.2 VTIP = 530.5

WTFAN = 22515.4 WIGR = 2948.7 WIFS = 11815.9

WT AIRU = 37320.0 WT AIRI = 46650.0 WFUEL = 8110.2 WT TIP GEAR = 3009.

WT MAIN GEAR = 80272. WT WING = 287388.

WT SYS = 57760. WT STRUCT = 287620.

TOTAL WEIGHT = 345381. DEL WT = -6002.

FRACTION OF SW/SIDE = .1300 CUSH HT = 36.1 GEAR HT = 58.0

LIFT = 194740.0 L/A = 163.923 H/W = .109 HP = 23474.242

PJ = 253.092 QJ = 51012.478 A = 4.109

SHP/ENG = 14412.7 SHP TOTAL = 131301.6

NO FAN = 57.7 NO/SEG = 14.9 LIMIT/SEG = 6.2 VTIP = 583.3

WTFAN = 26516.9 WIGR = 3237.2 WIFS = 15320.8

WT AIRU = 45085.5

WT AIRI = 56356.9 WFUEL = 10504.1 WT TIP GEAR = 3903.

WT MAIN GEAR = 37000. WT WING = 245600.

WT SYS = 70761. WT STRUCT = 282600.

TOTAL WEIGHT = 353361. DEL WT = 1278.

FRACTION OF SW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0

LIFT = 224700.0 L/A = 189.141 H/W = .097 HP = 26336.059

PJ = 277.341 QJ = 52227.592 A = 4.511

SHP/ENG = 18813.6 SHP TOTAL = 147309.3

NO FAN = 66.2 NO/SEG = 14.5 LIMIT/SEG = 6.2 VTIP = 610.6

WTFAN = 28421.5 WIGR = 3401.7 WIFS = 17198.3

WT AIRU = 49021.5

WT AIRI = 61276.9 WFUEL = 11784.7 WT TIP GEAR = 4503.

WT MAIN GEAR = 35251. WT WING = 247351.

WT SYS = 77562. WT STRUCT = 282402.

TOTAL WEIGHT = 360164. DEL WT = 8781.

T = 10.0 INCHES T/W = .030303

THETA = 30.0 DEGREES 20% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6

LIFT = 37450.0 L/A = 31.524 H/W = .168 HP = 2546.534

PJ = 58.096 QJ = 24947.834 A = 3.310

SHP/ENG = 1790.5 SHP TOTAL = 14243.9

NO FAN = 70.4 NO/SEG = 15.6 LIMIT/SEG = 6.2 VTIP = 274.6

WTFAN = 5110.6 WIGR = 1175.3 WIFS = 1663.0

WT AIRU = 8948.9

WT AIRI = 11186.2 WFUEL = 1139.5 WT TIP GEAR = 750.

WT MAIN GEAR = 88952. WT WING = 274900.

WT SYS = 13076. WT STRUCT = 325832.
TOTAL WEIGHT = 339927. DEL WT = -12456.

FRACTION OF GW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 6623.099
PJ = 109.862 QJ = 34472.036 A = 3.471
SHP/ENG = 4770.6 SHP TOTAL = 38164.5
NO FAN = 69.7 NO/SEG = 15.4 LIMIT/SEG = 6.2 VTIP = 382.6
WTFAN = 11752.9 WTGB = 2032.2 WITS = 4455.7
WT AIRU = 18240.8
WT AIRI = 22801.0 WFUEL = 3053.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 16526. WT WING = 252827.
WT SYS = 27354. WT STRUCT = 309332.
TOTAL WEIGHT = 336707. DEL WT = -14676.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
LIFT = 112350.0 L/A = 94.571 H/W = .192 HP = 11972.694
PJ = 155.565 QJ = 40561.683 A = 3.754
SHP/ENG = 8021.5 SHP TOTAL = 64171.7
NO FAN = 69.6 NO/SEG = 15.2 LIMIT/SEG = 6.2 VTIP = 457.3
WTFAN = 16531.5 WTGB = 2535.0 WITS = 7492.1
WT AIRU = 26558.5
WT AIRI = 33199.2 WFUEL = 5133.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 43509. WT WING = 251351.
WT SYS = 40582. WT STRUCT = 294850.
TOTAL WEIGHT = 335441. DEL WT = -15982.

FRACTION OF GW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 96.0
LIFT = 149800.0 L/A = 126.094 H/W = .229 HP = 16243.559
PJ = 198.447 QJ = 45075.996 A = 4.047
SHP/ENG = 11371.3 SHP TOTAL = 90780.4
NO FAN = 67.5 NO/SEG = 14.9 LIMIT/SEG = 6.2 VTIP = 516.5
WTFAN = 20749.3 WTGB = 2849.0 WITS = 10620.9
WT AIRU = 34219.1
WT AIRI = 42773.9 WFUEL = 7277.7 WT TIP GEAR = 3000.
WT MAIN GEAR = 40272. WT WING = 247348.
WT SYS = 53052. WT STRUCT = 287620.
TOTAL WEIGHT = 340572. DEL WT = -10711.

FRACTION OF GW/SIDE = .1300 CUSH HT = 38.2 GEAR HT = 84.0
LIFT = 194740.0 L/A = 163.923 H/W = .289 HP = 20976.215
PJ = 240.047 QJ = 44061.184 A = 4.611
SHP/ENG = 14646.2 SHP TOTAL = 117329.4
NO FAN = 65.5 NO/SEG = 14.4 LIMIT/SEG = 6.2 VTIP = 569.1
WTFAN = 24332.3 WTGB = 3079.3 WITS = 13698.2
WT AIRU = 41109.8
WT AIRI = 51387.2 WFUEL = 9386.3 WT TIP GEAR = 3900.
WT MAIN GEAR = 37500. WT WING = 245600.
WT SYS = 64674. WT STRUCT = 282650.
TOTAL WEIGHT = 347274. DEL WT = -4109.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.8 GEAR HT = 96.0
LIFT = 224700.0 L/A = 189.141 H/W = .3097 HP = 23488.430

PJ = 253.389 QJ = 19097.768 A = 5.090
SHP/ENG = 16922.6 SHP TOTAL = 131381.0
NO FAN = 63.8 NO/SEG = 13.9 LIMIT/SEG = 6.2 VTIP = 595.1
WTFAN = 25011.1 WTGR = 3200.8 WTS = 15338.7
WT AIRU = 44550.2
WT AIRI = 55667.7 WFUEL = 10510.5 WT TIP GEAR = 4500.
WT MAIN GEAR = 75252. WT WING = 287351.
WT SYS = 70698. WT STRUCT = 282602.
TOTAL WEIGHT = 353301. DEL WT = 1918.

T = 10.0 INCHES T/W = .030303
IMPA = 95.4 DEGREES 208 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 55.9 GEAR HT = 131.6
LIFT = 37950.0 L/A = 31.529 H/W = .168 HP = 2937.698
PJ = 55.174 QJ = 24299.644 A = 3.489
SHP/ENG = 1724.4 SHP TOTAL = 13634.8
NO FAN = 59.0 NO/SEG = 15.3 LIMIT/SEG = 6.2 VTIP = 272.8
WTFAN = 5898.0 WTGR = 1138.0 WTS = 1591.94
WT AIRU = 8627.8
WT AIRI = 10744.8 WFUEL = 1090.8 WT TIP GEAR = 750.
WT MAIN GEAR = 18452. WT WING = 276900.
WT SYS = 12626. WT STRUCT = 325852.
TOTAL WEIGHT = 338477. DEL WT = -12944.

FRACTION OF SW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8
LIFT = 74900.0 L/A = 63.047 H/W = .157 HP = 6508.741
PJ = 106.910 QJ = 33444.239 A = 3.571
SHP/ENG = 4550.8 SHP TOTAL = 34806.2
NO FAN = 58.5 NO/SEG = 15.3 LIMIT/SEG = 6.2 VTIP = 272.8
WTFAN = 11315.3 WTGR = 1974.9 WTS = 4250.4
WT AIRU = 17538.7
WT AIRI = 21923.3 WFUEL = 2912.5 WT TIP GEAR = 1500.
WT MAIN GEAR = 46526. WT WING = 262827.
WT SYS = 26316. WT STRUCT = 309353.
TOTAL WEIGHT = 335689. DEL WT = -15690.

FRACTION OF SW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
LIFT = 112350.0 L/A = 94.571 H/W = .142 HP = 10889.052
PJ = 152.473 QJ = 39278.919 A = 3.994
SHP/ENG = 17413.4 SHP TOTAL = 134900.0
NO FAN = 67.1 NO/SEG = 14.8 LIMIT/SEG = 6.2 VTIP = 452.8
WTFAN = 15849.8 WTGR = 2971.0 WTS = 7110.9
WT AIRU = 25430.7
WT AIRI = 31788.9 WFUEL = 4972.6 WT TIP GEAR = 2250.
WT MAIN GEAR = 43509. WT WING = 233351.
WT SYS = 34911. WT STRUCT = 294860.
TOTAL WEIGHT = 333770. DEL WT = -17513.

FRACTION OF SW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 86.0
LIFT = 149800.0 L/A = 126.094 H/W = .129 HP = 15374.338
PJ = 194.252 QJ = 43530.591 A = 4.387
SHP/ENG = 10749.4 SHP TOTAL = 85995.3
NO FAN = 65.9 NO/SEG = 14.5 LIMIT/SEG = 6.2 VTIP = 511.0

WTFAN = 19825.2 WTGR = 7741.8 WITS = 10040.0

WT AIRU = 32646.9

WT AIRI = 40808.7 WFUEL = 6879.6 WT TIP GEAR = 3000.

WT MAIN GEAR = 40272. WT WING = 247340.

WT SYS = 50688. WT STRUCT = 287620.

TOTAL WEIGHT = 338309. DEL WT = -13074.

FRACTION OF BW/SIDE = .2300 CUSH HT = 36.1 GEAR HT = 58.0

LIFT = 194740.0 L/A = 263.923 M/W = .109 HP = 19722.202

PJ = 234.735 QJ = 44210.163 A = 4.769

SHP/ENG = 13749.4 SHP TOTAL = 210314.8

NO FAN = 53.7 NO/SEG = 13.9 LIMIT/SEG = 6.2 VTIP = 561.8

WTFAN = 23134.9 WTGR = 2996.0 WITS = 12879.3

WT AIRU = 39010.2

WT AIRI = 48762.7 WFUEL = 8825.2 WT TIP GEAR = 3900.

WT MAIN GEAR = 77000. WT WING = 245500.

WT SYS = 61448. WT STRUCT = 282600.

TOTAL WEIGHT = 340189. DEL WT = -7295.

FRACTION OF BW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 38.0

LIFT = 224700.0 L/A = 189.141 M/W = .097 HP = 22019.974

PJ = 257.604 QJ = 47014.002 A = 5.515

SHP/ENG = 15305.9 SHP TOTAL = 223167.2

NO FAN = 61.8 NO/SEG = 13.5 LIMIT/SEG = 6.2 VTIP = 808.5

WTFAN = 24657.2 WTGR = 3099.0 WITS = 14579.8

WT AIRU = 42135.9

WT AIRI = 52669.9 WFUEL = 9953.4 WT TIP GEAR = 4500.

WT MAIN GEAR = 75251. WT WING = 247351.

WT SYS = 67023. WT STRUCT = 282602.

TOTAL WEIGHT = 349626. DEL WT = -13074.

T = 10.0 INCHES T/W = .030303

THETA = 60.0 DEGREES 20% SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 131.6

LIFT = 37450.0 L/A = 31.524 M/W = .168 HP = 2448.611

PJ = 55.873 QJ = 24103.584 A = 3.541

SHP/ENG = 1712.0 SHP TOTAL = 13696.1

NO FAN = 68.1 NO/SEG = 15.0 LIMIT/SEG = 6.2 VTIP = 274.1

WTFAN = 5987.4 WTGR = 1136.3 WITS = 1599.0

WT AIRU = 8622.7

WT AIRI = 10779.4 WFUEL = 1095.7 WT TIP GEAR = 750.

WT MAIN GEAR = 98952. WT WING = 276900.

WT SYS = 12124. WT STRUCT = 325852.

TOTAL WEIGHT = 538176. DEL WT = -12907.

FRACTION OF BW/SIDE = .0500 CUSH HT = 51.9 GEAR HT = 122.8

LIFT = 74900.0 L/A = 63.047 M/W = .157 HP = 6510.530

PJ = 108.025 QJ = 53147.708 A = 3.742

SHP/ENG = 4552.0 SHP TOTAL = 39416.2

NO FAN = 67.3 NO/SEG = 14.8 LIMIT/SEG = 6.2 VTIP = 301.1

WTFAN = 11257.9 WTGR = 1967.0 WITS = 4251.6

WT AIRU = 17476.0

WT AIRI = 21845.6 WFUEL = 2913.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 96526. WT WING = 262827.
WT SYS = 26259. WT STRUCT = 309353.
TOTAL WEIGHT = 335512. DEL WT = -15771.

FRACTION OF GW/SIDE = .0750 CUSH HT = 46.8 GEAR HT = 107.5
LIFT = 112350.0 L/A = 98.571 M/D = .142 HP = 15824.447
PJ = 153.585 QJ = 38753.210 A = 4.093
SHP/ENG = 7558.2 SHP TOTAL = 60545.8
NO FAN = 66.0 NO/SEG = 1.5 LIMIT/SEG = 6.2 VTIP = 858.4
JTFAN = 15597.6 WTGR = 2454.9 WITS = 7068.7
WT AIRU = 25221.2
WT AIRI = 31526.5 WFUEL = 1683.7 WT TIP GEAR = 2250.
WT MAIN GEAR = 96526. WT WING = 262827.
WT SYS = 38620. WT STRUCT = 298860.
TOTAL WEIGHT = 333180. DEL WT = -17901.

FRACTION OF GW/SIDE = .1000 CUSH HT = 42.5 GEAR HT = 96.0
LIFT = 149800.0 L/A = 126.099 M/D = .129 HP = 15205.235
PJ = 195.205 QJ = 42841.475 A = 4.457
SHP/ENG = 10631.2 SHP TOTAL = 85049.5
NO FAN = 64.7 NO/SEG = 1.2 LIMIT/SEG = 6.2 VTIP = 512.3
JTFAN = 19559.2 WTGR = 2759.9 WITS = 4929.5
WT AIRU = 32248.4
WT AIRI = 40310.8 WFUEL = 6804.0 WT TIP GEAR = 3000.
WT MAIN GEAR = 96272. WT WING = 247348.
WT SYS = 50115. WT STRUCT = 287620.
TOTAL WEIGHT = 337735. DEL WT = -13648.

FRACTION OF GW/SIDE = .1300 CUSH HT = 38.0 GEAR HT = 86.0
LIFT = 194740.0 L/A = 163.423 M/D = .119 HP = 19364.866
PJ = 235.207 QJ = 45282.175 A = 5.154
SHP/ENG = 13539.5 SHP TOTAL = 108316.2
NO FAN = 62.3 NO/SEG = 1.6 LIMIT/SEG = 6.2 VTIP = 562.3
JTFAN = 22493.0 WTGR = 2968.0 WITS = 12485.3
WT AIRU = 39303.0
WT AIRI = 47878.7 WFUEL = 8665.3 WT TIP GEAR = 3900.
WT MAIN GEAR = 77000. WT WING = 245400.
WT SYS = 60444. WT STRUCT = 282600.
TOTAL WEIGHT = 343344. DEL WT = -8339.

FRACTION OF GW/SIDE = .1500 CUSH HT = 32.0 GEAR HT = 80.0
LIFT = 224700.0 L/A = 189.141 M/D = .097 HP = 21528.577
PJ = 257.790 QJ = 45973.373 A = 5.755
SHP/ENG = 15052.3 SHP TOTAL = 120419.6
NO FAN = 60.4 NO/SEG = 1.1 LIMIT/SEG = 6.2 VTIP = 589.7
JTFAN = 24098.7 WTGR = 3057.9 WITS = 14058.9
WT AIRU = 41215.5
WT AIRI = 51519.3 WFUEL = 9433.5 WT TIP GEAR = 4500.
WT MAIN GEAR = 75251. WT WING = 247351.
WT SYS = 65553. WT STRUCT = 282602.
TOTAL WEIGHT = 349255. DEL WT = -3129.

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95LT.L 1.23040

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000002	000	060504060630		308	SEMISPAH		
000003	000	.025	.050	.075	.096	.13	.15
000004	000	65.3	62.4	56.7	53.6	45.1	39.0
000005	000	2.	4.	6.	8.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	.075	.096	.13	.15
000008	000	132.8	126.	119.5	100.	72.	53.
000009	000	.025	.050	.075	.096	.13	.15
000010	000	275775.	265865.	254706.	249700.	247000.	247225.

END ELT.

TASK UNITS: 0 PGM SIZE: 6144

9X01

GW = 1495000.000 LBS CUSHION AREA = 17.20 SQUARE FEET
SWEEP = 40.0 DEGREES L/W = 2.356 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061

THETA = 15.0 DEGREES 30% SPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8

LIFT = 37450.0 L/A = 21.014 H/W = .198 HP = 4634.511

PJ = 192.436 QJ = 13245.894 A = 3.013

SHP/ENG = 1280.8 SHP TOTAL = 25023.8

VO FAN = 20.2 VO/SEG = 3.0 LIMIT/SEG = 7.3 VTIP = 508.6

WTFAN = 5004.3 WTGR = 1196.9 WTS = 3026.5

WT AIRU = 10212.7

WT AIRI = 12772.2 WFUEL = 2073.8 WT TIP GEAR = 750.0

WT MAIN GEAR = 49122.0 WT WING = 278778.0

WT SYS = 15596.0 WT STRUCT = 32790.0

TOTAL WEIGHT = 543496.0 DEL WT = -7987.0

FRACTION OF SW/SIDE = .0500 CUSH HT = 62.0 GEAR HT = 126.0

LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 12613.285

PJ = 375.311 QJ = 14484.134 A = 3.098

SHP/ENG = 8818.9 SHP TOTAL = 70551.6

VO FAN = 20.1 VO/SEG = 3.0 LIMIT/SEG = 7.3 VTIP = 710.3

WTFAN = 11700.3 WTGR = 480.9 WTS = 9234.4

WT AIRU = 21919.3

WT AIRI = 27398.8 WFUEL = 5644.1 WT TIP GEAR = 1500.0

WT MAIN GEAR = 46942.0 WT WING = 265865.0

WT SYS = 34543.0 WT STRUCT = 31280.0

TOTAL WEIGHT = 547350.0 DEL WT = -4033.0

FRACTION OF SW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 104.5

LIFT = 112350.0 L/A = 63.097 H/W = .178 HP = 21657.989

PJ = 538.556 QJ = 12113.184 A = 3.243

SHP/ENG = 15142.5 SHP TOTAL = 121139.7

VO FAN = 20.1 VO/SEG = 3.0 LIMIT/SEG = 7.3 VTIP = 851.0

WTFAN = 16770.7 WTGR = 2496.1 WTS = 14143.1

WT AIRU = 33409.8

WT AIRI = 41742.3 WFUEL = 9691.2 WT TIP GEAR = 2250.0

WT MAIN GEAR = 44299.0 WT WING = 254706.0

WT SYS = 53703.0 WT STRUCT = 29900.0

TOTAL WEIGHT = 552709.0 DEL WT = 1324.0

FRACTION OF SW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0

LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 28689.492

PJ = 656.584 QJ = 24254.350 A = 3.450

SHP/ENG = 24150.4 SHP TOTAL = 241504.5

VO FAN = 20.1 VO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 935.2

WTFAN = 20215.4 WTGR = 2429.3 WTS = 18735.5

WT AIRU = 41840.1

WT AIRI = 52350.2 WFUEL = 12434.0 WT TIP GEAR = 2880.0

WT MAIN GEAR = 41747.0 WT WING = 249706.0

WT SYS = 54449.0 WT STRUCT = 29144.0

TOTAL WEIGHT = 559515.0 DEL WT = 8132.0

FRACTION OF GW/SIDE = .0300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 194740.0 L/A = 109.262 H/W = .137 HP = 375326711
 PJ = 780.550 QJ = 26446.398 A = 3.929
 SHP/ENG = 26242.1 SHP TOTAL = 269936.7
 NO FAN = 20.0 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1024.4
 WIFAN = 28144.0 WIGB = 7767.5 WITS = 24510.1
 WT AIRU = 52421.6
 WT AIRI = 65527.0 WFUEL = 16794.9 WT TIP GEAR = 3900.
 WT MAIN GEAR = 77471. WT WING = 247000.
 WT SYS = 86222. WT STRUCT = 284871.
 TOTAL WEIGHT = 371093. DEL WT = 19710.

FRACTION OF GW/SIDE = .1400 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 37697.016
 PJ = 812.667 QJ = 26856.321 A = 4.393
 SHP/ENG = 27755.3 SHP TOTAL = 222042.6
 NO FAN = 19.9 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 1045.3
 WIFAN = 25226.7 WIGB = 9642.7 WITS = 25223.5
 WT AIRU = 54996.0
 WT AIRI = 58745.0 WFUEL = 17763.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75990. WT WING = 247225.
 WT SYS = 91008. WT STRUCT = 283115.
 TOTAL WEIGHT = 374123. DEL WT = 22740.

T = 240 INCHES T/W = .006061
 THETA = 30.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 4363.363
 PJ = 1764719 QJ = 12646.370 A = 3.193
 SHP/ENG = 2891.0 SHP TOTAL = 28910.0
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 487.8
 WIFAN = 5493.5 WIGB = 1097.3 WITS = 2653.5
 WT AIRU = 9244.3
 WT AIRI = 11555.3 WFUEL = 1914.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 279778.
 WT SYS = 14124. WT STRUCT = 327900.
 TOTAL WEIGHT = 342023. DEL WT = -9360.

FRACTION OF GW/SIDE = .0500 CUSH HT = 52.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 12.631 H/W = .140 HP = 111024.908
 PJ = 3436978 QJ = 17627.489 A = 3.402
 SHP/ENG = 7728.1 SHP TOTAL = 61664.8
 NO FAN = 20.1 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 680.0
 WIFAN = 10643.1 WIGB = 1864.3 WITS = 7199.4
 WT AIRU = 19746.7
 WT AIRI = 24683.4 WFUEL = 4933.2 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46942. WT WING = 255865.
 WT SYS = 31117. WT STRUCT = 312807.
 TOTAL WEIGHT = 343424. DEL WT = -7459.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 126.0
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 18030.967
 PJ = 492.070 QJ = 21047.890 A = 3.579

SHP/ENG = 3344.2 SHP TOTAL = 103329.7
 NO FAN = 20.0 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 813.9
 WIFAN = 15256.7 WTGR = 2343.0 WITS = 12297.2
 WT AIRU = 29897.0
 WT AIRI = 37371.3 WFUEL = 9424.4 WT TIP GEAR = 2250.
 WT MAIN GEAR = 94299. WT WING = 254706.
 WT SYS = 48048. WT STRUCT = 294005.
 TOTAL WEIGHT = 347053. DEL WT = -4330.

FRACTION OF SW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0
 LIFT = 143908.0 L/A = 80.700 M/W = .163 MP = 24785.986
 PJ = 591.218 QJ = 23030.723 A = 3.826

SHP/ENG = 17329.8 SHP TOTAL = 158652.7
 NO FAN = 20.0 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 892.1
 WIFAN = 18309.6 WTGR = 2670.8 WITS = 16196.1
 WT AIRU = 37166.5
 WT AIRI = 46456.2 WFUEL = 11091.1 WT TIP GEAR = 2880.
 WT MAIN GEAR = 41747. WT WING = 219702.
 WT SYS = 60429. WT STRUCT = 291447.
 TOTAL WEIGHT = 351876. DEL WT = 893.

FRACTION OF SW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 194740.0 L/A = 109.232 M/W = .137 MP = 32343.207
 PJ = 704.993 QJ = 28998.507 A = 4.597

SHP/ENG = 22423.9 SHP TOTAL = 179231.5
 NO FAN = 19.9 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 973.5
 WIFAN = 21689.3 WTGR = 3193.0 WITS = 20925.3
 WT AIRU = 45807.6
 WT AIRI = 57259.5 WFUEL = 14339.5 WT TIP GEAR = 3900.
 WT MAIN GEAR = 37801. WT WING = 219702.
 WT SYS = 75498. WT STRUCT = 284871.
 TOTAL WEIGHT = 360349. DEL WT = 896.

FRACTION OF SW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 224700.0 L/A = 126.094 M/W = .118 MP = 33601.479
 PJ = 730.219 QJ = 25308.594 A = 4.950

SHP/ENG = 23403.5 SHP TOTAL = 167987.4
 NO FAN = 19.8 NO/SEG = 2.9 LIMIT/SEG = 9.3 VTIP = 990.8
 WIFAN = 22347.8 WTGR = 3334.2 WITS = 21942.9
 WT AIRU = 47428.9
 WT AIRI = 59531.3 WFUEL = 15038.8 WT TIP GEAR = 4900.
 WT MAIN GEAR = 35890. WT WING = 247225.
 WT SYS = 79047. WT STRUCT = 283115.
 TOTAL WEIGHT = 362482. DEL WT = 10749.

T = 2.0 INCHES 1/W = .006061
 THETA = 45.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.015 M/W = .198 MP = 3779.917
 PJ = 148.742 QJ = 2334.976 A = 3.493

SHP/ENG = 2642.9 SHP TOTAL = 21142.7
 NO FAN = 20.0 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 476.3
 WIFAN = 5229.4 WTGR = 1049.8 WITS = 2468.8

WT AIRU = 3747.6
 WT AIRI = 10934.5 WFUEL = 1691.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 274778.
 WT SYS = 13376. WT STRUCT = 327920.
 TOTAL WEIGHT = 341276. DEL WT = -30107.

FRACTION OF GW/SIDE = .0500 CUSH MT = 62.8 GEAR MT = 126.8
 LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 10223.097
 PJ = 327.825 QJ = 17151.548 A = 3.593
 SHP/ENG = 7147.8 SHP TOTAL = 57192.2
 NO FAN = 20.0 N/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 663.9
 WIFAN = 10147.6 WIGB = 1799.3 WITS = 6576.0

WT AIRU = 10622.9
 WT AIRI = 23279.6 WFUEL = 4574.6 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46942. WT WING = 265865.
 WT SYS = 29353. WT STRUCT = 312857.
 TOTAL WEIGHT = 342161. DEL WT = -9222.

FRACTION OF GW/SIDE = .0750 CUSH MT = 58.7 GEAR MT = 114.5
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 17369.994
 PJ = 467.384 QJ = 20440.352 A = 3.795
 SHP/ENG = 12144.7 SHP TOTAL = 97157.9
 NO FAN = 20.0 N/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 792.7
 WIFAN = 19439.9 WIGB = 2262.7 WITS = 11303.2

WT AIRU = 28045.8
 WT AIRI = 35057.3 WFUEL = 7772.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44299. WT WING = 254706.
 WT SYS = 45080. WT STRUCT = 299005.
 TOTAL WEIGHT = 344785. DEL WT = -7298.

FRACTION OF GW/SIDE = .0960 CUSH MT = 53.8 GEAR MT = 100.8
 LIFT = 143808.0 L/A = 80.760 H/W = .163 HP = 22715.601
 PJ = 559.929 QJ = 22312.998 A = 4.076
 SHP/ENG = 15842.4 SHP TOTAL = 127059.3
 NO FAN = 19.9 N/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 867.6
 WIFAN = 17253.0 WIGB = 2549.9 WITS = 14934.2

WT AIRU = 34637.0
 WT AIRI = 43296.3 WFUEL = 10164.7 WT TIP GEAR = 2880.
 WT MAIN GEAR = 41747. WT WING = 249700.
 WT SYS = 56341. WT STRUCT = 291447.
 TOTAL WEIGHT = 347788. DEL WT = -35952.

FRACTION OF GW/SIDE = .1300 CUSH MT = 45.1 GEAR MT = 72.0
 LIFT = 194740.0 L/A = 104.282 H/W = .137 HP = 29022.652
 PJ = 642.004 QJ = 24112.371 A = 4.726
 SHP/ENG = 20202.0 SHP TOTAL = 162336.2
 NO FAN = 19.8 N/SEG = 2.9 LIMIT/SEG = 9.3 VTIP = 943.4
 WIFAN = 20272.6 WIGB = 2947.2 WITS = 15952.3

WT AIRU = 42172.6
 WT AIRI = 52715.7 WFUEL = 12046.4 WT TIP GEAR = 3900.
 WT MAIN GEAR = 73771. WT WING = 247000.
 WT SYS = 69603. WT STRUCT = 284871.
 TOTAL WEIGHT = 354174. DEL WT = 3091.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 30178.680
 PJ = 682.161 QJ = 28331.113 A = 5.358
 SHP/ENG = 21120.3 SHP TOTAL = 168802.4
 NO FAN = 14.7 NO/SEG = 2.9 LIMIT/SEG = 9.3 VTIP = 957.7
 WIFAN = 20766.1 WIGB = 3032.7 WITS = 19727.7
 WT AIRU = 83506.4
 WT AIRI = 54383.0 WFUEL = 13504.2 WT TIP GEAR = 4503.
 WT MAIN GEAR = 35880. WT WING = 282225.
 WT SYS = 72347. WT STRUCT = 283115.
 TOTAL WEIGHT = 355502. DEL WT = 4119.

T = 2.0 INCHES T/W = .006081
 THETA = 60.0 DEGREE 30X SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 1715.400
 PJ = 167.123 QJ = 12228.998 A = 3.934
 SHP/ENG = 2598.1 SHP TOTAL = 20784.7
 NO FAN = 20.0 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 874.0
 WIFAN = 5165.4 WIGB = 1038.3 WITS = 2426.6
 WT AIRU = 8630.9
 WT AIRI = 10785.5 WFUEL = 1662.8 WT TIP GEAR = 751.
 WT MAIN GEAR = 49122. WT WING = 278778.
 WT SYS = 13201. WT STRUCT = 321970.
 TOTAL WEIGHT = 341101. DEL WT = -10282.

FRACTION OF GW/SIDE = .07500 CUSH HT = 62.8 GEAR HT = 126.0
 LIFT = 78908.0 L/A = 63.047 H/W = .178 HP = 16925.624
 PJ = 323.935 QJ = 17058.057 A = 3.859
 SHP/ENG = 7003.1 SHP TOTAL = 56028.4
 NO FAN = 19.4 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 659.9
 WIFAN = 10001.7 WIGB = 1781.1 WITS = 6540.8
 WT AIRU = 13323.4
 WT AIRI = 22904.5 WFUEL = 4487.0 WT TIP GEAR = 1300.
 WT MAIN GEAR = 46942. WT WING = 265865.
 WT SYS = 28884. WT STRUCT = 312877.
 TOTAL WEIGHT = 341594. DEL WT = -9689.

FRACTION OF GW/SIDE = .07500 CUSH HT = 62.8 GEAR HT = 126.0
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 16925.624
 PJ = 960.175 QJ = 20226.417 A = 3.875
 SHP/ENG = 11872.5 SHP TOTAL = 94650.0
 NO FAN = 19.9 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 785.6
 WIFAN = 19755.5 WIGB = 7217.0 WITS = 11051.5
 WT AIRU = 27467.0
 WT AIRI = 34333.9 WFUEL = 7572.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 94299. WT WING = 254706.
 WT SYS = 44157. WT STRUCT = 299005.
 TOTAL WEIGHT = 343162. DEL WT = -8221.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.0 GEAR HT = 100.0
 LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 21982.106

PJ = 546.895 QJ = 22026.333 A = 4.193
 SHP/ENG = 15369.4 SHP TOTAL = 122955.4
 NO FAN = 19.4 NO/SEG = 3.0 LIMIT/SEG = 9.3 VTIP = 859.0
 WIFAN = 16962.7 WTGB = 2508.1 WITS = 19355.0
 WT AIRU = 33725.8
 WT AIRI = 92157.3 WFUEL = 9835.4 WT TIP GEAR = 2880.
 WT MAIN GEAR = 71747. WT WING = 290700.
 WT SYS = 59979. WT STRUCT = 291997.
 TOTAL WEIGHT = 346320. DEL WT = -5063.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 199740.0 L/A = 109.282 M/W = .137 HP = 27742.382

PJ = 603.915 QJ = 23696.193 A = 4.093
 SHP/ENG = 19306.9 SHP TOTAL = 155175.1
 NO FAN = 19.7 NO/SEG = 2.9 LIMIT/SEG = 9.3 VTIP = 932.8
 WIFAN = 19548.6 WTGB = 2654.3 WITS = 19116.7
 WT AIRU = 40519.7
 WT AIRI = 50774.6 WFUEL = 12414.0 WT TIP GEAR = 3900.
 WT MAIN GEAR = 37871. WT WING = 297000.
 WT SYS = 67089. WT STRUCT = 284871.
 TOTAL WEIGHT = 351260. DEL WT = 577.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 224700.0 L/A = 126.099 M/W = .118 HP = 28597.076

PJ = 659.945 QJ = 23832.867 A = 5.580
 SHP/ENG = 19999.5 SHP TOTAL = 159955.8
 NO FAN = 19.6 NO/SEG = 2.9 LIMIT/SEG = 9.3 VTIP = 941.9
 WIFAN = 20006.5 WTGB = 2911.7 WITS = 18674.9
 WT AIRU = 41593.0
 WT AIRI = 51991.3 WFUEL = 12796.5 WT TIP GEAR = 3900.
 WT MAIN GEAR = 35890. WT WING = 297225.
 WT SYS = 69288. WT STRUCT = 283115.
 TOTAL WEIGHT = 352403. DEL WT = 1020.

Y = 4.0 INCHES T/W = .032121
 THETA = 15.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 M/W = .198 HP = 3405.052
 PJ = 99.993 QJ = 18729.051 A = 3.013

SHP/ENG = 2380.7 SHP TOTAL = 159955.8
 NO FAN = 39.5 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 366.6
 WIFAN = 6119.9 WTGB = 1167.5 WITS = 2223.6
 WT AIRU = 9531.0
 WT AIRI = 1.913.8 WFUEL = 1523.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 7522. WT WING = 279779.
 WT SYS = 14147. WT STRUCT = 327900.
 TOTAL WEIGHT = 342087. DEL WT = -9295.

FRACTION OF GW/SIDE = .0500 CUSH HT = 52.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 M/W = .190 HP = 9291.210

PJ = 195.317 QJ = 26135.287 A = 3.049
 SHP/ENG = 6489.2 SHP TOTAL = 51913.8
 NO FAN = 39.5 NO/SEG = 7.9 LIMIT/SEG = 9.3 VTIP = 512.8

WTFAN = 11935.9 WTGR = 2023.8 WTS = 6450.9
 WT AIRU = 20020.1
 WT AIRI = 25025.2 WFUEL = 4153.1 WT TIP GEAR = 1509.
 WT MAIN GEAR = 66982. WT WING = 255865.
 WT SYS = 30678. WT STRUCT = 312807.
 TOTAL WEIGHT = 343486. DEL WT = -7497.

FRACTION OF SW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.5
 LIFT = 112350.0 L/A = 63.082 H/W = .178 HP = 15983.182
 PJ = 281.110 QJ = 31265.607 A = 3.243
 SHP/ENG = 11173.0 SHP TOTAL = 89383.8
 NO FAN = 39.4 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 618.8
 WTFAN = 17129.5 WTGR = 2513.6 WTS = 110138.8
 WT AIRU = 30078.5
 WT AIRI = 37598.2 WFUEL = 7153.7 WT TIP GEAR = 3253.
 WT MAIN GEAR = 44299. WT WING = 254706.
 WT SYS = 45999. WT STRUCT = 299005.
 TOTAL WEIGHT = 386608. DEL WT = -5379.

FRACTION OF SW/SIDE = .0460 CUSH HT = 53.8 GEAR HT = 100.0
 LIFT = 145808.0 L/A = 80.700 H/W = .163 HP = 21250.479
 PJ = 340.936 QJ = 34201.483 A = 3.450
 SHP/ENG = 14877.9 SHP TOTAL = 118863.2

NO FAN = 39.2 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 676.9
 WTFAN = 20687.1 WTGR = 2794.4 WTS = 13877.3
 WT AIRU = 37358.8
 WT AIRI = 45698.4 WFUEL = 9509.0 WT TIP GEAR = 2889.
 WT MAIN GEAR = 41747. WT WING = 249700.
 WT SYS = 59087. WT STRUCT = 291487.
 TOTAL WEIGHT = 441385. DEL WT = -10000.

FRACTION OF SW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 28046.777
 PJ = 412.403 QJ = 37396.372 A = 3.329

SHP/ENG = 19679.7 SHP TOTAL = 156877.7
 NO FAN = 38.6 NO/SEG = 7.7 LIMIT/SEG = 9.3 VTIP = 744.8
 WTFAN = 24815.3 WTGR = 3207.1 WTS = 18315.8
 WT AIRU = 46337.9
 WT AIRI = 57922.4 WFUEL = 12550.2 WT TIP GEAR = 3909.
 WT MAIN GEAR = 77871. WT WING = 287000.
 WT SYS = 74393. WT STRUCT = 200811.
 TOTAL WEIGHT = 359244. DEL WT = 7861.

FRACTION OF SW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 224700.0 L/A = 125.094 H/W = .118 HP = 29917.057
 PJ = 433.294 QJ = 37975.069 A = 4.395
 SHP/ENG = 20917.8 SHP TOTAL = 167339.0

NO FAN = 38.5 NO/SEG = 7.6 LIMIT/SEG = 9.3 VTIP = 763.2
 WTFAN = 25830.5 WTGR = 3348.5 WTS = 19536.8
 WT AIRU = 48715.7
 WT AIRI = 60894.6 WFUEL = 13397.2 WT TIP GEAR = 4509.
 WT MAIN GEAR = 35890. WT WING = 247225.4
 WT SYS = 78782. WT STRUCT = 283115.
 TOTAL WEIGHT = 361896. DEL WT = 10513.

T = 4.0 INCHES T/W = .012121
THETA = 30.0 DEGREES 308 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.4
LIFT = 37450.0 L/A = 21.316 H/W = .198 HP = 3227.182
PJ = 92.503 QJ = 17879.956 A = 3.305
SHP/ENG = 21.2.6 SHP TOTAL = 16820.5
NO FAN = 39.2 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 352.6
WTFAN = 5619.3 WTGR = 1099.5 WTS = 1963.6
WT AIRU = 8682.6
WT AIRI = 10853.3 WFUEL = 1395.4 WT TIP GEAR = 753
WT MAIN GEAR = 49122. WT WING = 27877
WT SYS = 12949. WT STRUCT = 327900.
TOTAL WEIGHT = 390889. DEL WT = -10534.

FRACTION OF SW/SIDE = .0500 CUSH HT = 52.8 GEAR HT = 126.0
LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 8175.578
PJ = 180.382 QJ = 24921.956 A = 3.402
SHP/ENG = 57.4.8 SHP TOTAL = 45718.4
NO FAN = 39.2 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 442.4
WTFAN = 10937.5 WTGR = 1904.8 WTS = 5337.6
WT AIRU = 18150.0
WT AIRI = 22724.9 WFUEL = 3657.5 WT TIP GEAR = 1508
WT MAIN GEAR = 46942. WT WING = 265865.
WT SYS = 27882. WT STRUCT = 312807.
TOTAL WEIGHT = 340690. DEL WT = -10593.

FRACTION OF SW/SIDE = .0750 CUSH HT = 40.9 GEAR HT = 119.5
LIFT = 112350.0 L/A = 83.047 H/W = .178 HP = 14006.492
PJ = 258.896 QJ = 29756.992 A = 3.579
SHP/ENG = 97.3.4 SHP TOTAL = 78347.2
NO FAN = 39.0 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 590.0
WTFAN = 15545.3 WTGR = 2389.8 WTS = 9147.3
WT AIRU = 27182.2
WT AIRI = 33977.7 WFUEL = 6267.8 WT TIP GEAR = 2259.
WT MAIN GEAR = 44299. WT WING = 254706.
WT SYS = 42495. WT STRUCT = 299005.
TOTAL WEIGHT = 341501. DEL WT = -9882.

FRACTION OF SW/SIDE = .0960 CUSH HT = 33.8 GEAR HT = 100.0
LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 18520.520
PJ = 312.958 QJ = 32557.773 A = 3.926
SHP/ENG = 12949.2 SHP TOTAL = 103593.3
NO FAN = 38.5 NO/SEG = 7.7 LIMIT/SEG = 9.3 VTIP = 648.5
WTFAN = 18818.1 WTGR = 2645.4 WTS = 12094.5
WT AIRU = 33555.0
WT AIRI = 41047.2 WFUEL = 8297.5 WT TIP GEAR = 2982.
WT MAIN GEAR = 41747. WT WING = 294700.
WT SYS = 53115. WT STRUCT = 291447.
TOTAL WEIGHT = 344262. DEL WT = -5421.

FRACTION OF SW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0

LIFT = 194740.0 L/A = 309.292 M/W = .137 HP = 29109.482

PJ = 376.613 QJ = 39333.827 A = 4.397

SHP/ENG = .6916.6 SHP TOTAL = 335332.0

NO FAN = 38.9 NO/SEG = 7.6 LIMIT/SEG = 9.3 VIIP = 711.6

WTFAN = 22406.7 WTGB = 2948.3 WTS = 15830.1

WT AIRU = 91155.1

WT AIRI = 51843.9 WFUEL = 13324.6 WT IIP GEAR = 3993.

WT MAIN GEAR = 37871. WT WING = 247008.1

WT SYS = 66170. WT STRUCT = 284871.

TOTAL WEIGHT = 351642. DEL WT = 341.

FRACTION OF GW/SIDE = .2500 CUSH HT = 39.0 GEAR HT = 53.0

LIFT = 224700.0 L/A = 128.074 M/W = .137 HP = 29109.482

PJ = 394.096 QJ = 35765.557 A = 4.950

SHP/ENG = .1708.1 SHP TOTAL = 143345.2

NO FAN = 38.0 NO/SEG = 7.6 LIMIT/SEG = 9.3 VIIP = 727.9

WTFAN = 23201.0 WTGB = 3030.4 WTS = 16735.6

WT AIRU = 82966.9

WT AIRI = 53706.6 WFUEL = 12467.6 WT IIP GEAR = 4500.1

WT MAIN GEAR = 35890. WT WING = 247225.

WT SYS = 69474. WT STRUCT = 281115.

TOTAL WEIGHT = 352791. DEL WT = 1409.

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.0

LIFT = 37450.0 L/A = 21.016 M/W = .198 HP = 2814.868

PJ = 88.495 QJ = 17415.737 A = 1.483

SHP/ENG = .1988.1 SHP TOTAL = 143345.2

NO FAN = 39.0 NO/SEG = 7.7 LIMIT/SEG = 9.3 VIIP = 703.0

WTFAN = 5365.4 WTGB = 1058.1 WTS = 1838.2

WT AIRU = 8257.9

WT AIRI = 10322.4 WFUEL = 1259.6 WT IIP GEAR = 750.

WT MAIN GEAR = 8922. WT WING = 278778.

WT SYS = 12332. WT STRUCT = 327000.1

TOTAL WEIGHT = 340232. DEL WT = 11151.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0

LIFT = 74900.0 L/A = 42.031 M/W = .190 HP = 7528.470

PJ = 173.038 QJ = 24247.038 A = 1.903

SHP/ENG = .5373.7 SHP TOTAL = 42669.6

NO FAN = 38.9 NO/SEG = 7.7 LIMIT/SEG = 9.3 VIIP = 682.3

WTFAN = 10422.4 WTGB = 1639.6 WTS = 4791.7

WT AIRU = 17243.7

WT AIRI = 21554.6 WFUEL = 1413.5 WT IIP GEAR = 1500.

WT MAIN GEAR = 96942. WT WING = 265865.

WT SYS = 26968. WT STRUCT = 312807.

TOTAL WEIGHT = 339276. DEL WT = 32107.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.5

LIFT = 112350.0 L/A = 63.047 M/W = .198 HP = 7528.470

PJ = 247.631 QJ = 28894.873 A = 3.795

SHP/ENG = .9096.0 SHP TOTAL = 72768.2

NO FAN = 38.4 NO/SEG = 7.7 LIMIT/SEG = 9.3 VTIP = 577.0

WTFAN = 14858.1 WTGB = 2319.7 WTS = 8895.7

WT AIRU = 25673.4

WT AIRI = 32091.8 WFUEL = 5821.5 WT TIP GEAR = 2250

WT MAIN GEAR = 44299. WT WING = 254706.

WT SYS = 40163. WT STRUCT = 299095.

TOTAL WEIGHT = 339169. DEL WT = -22214.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0

LIFT = 143808.0 L/A = 80.700 H/A = .163 HP = 17101.269

PJ = 248.219 QJ = 31539.573 A = 4.076

SHP/ENG = 11956.8 SHP TOTAL = 95658.6

NO FAN = 38.5 NO/SEG = 7.8 LIMIT/SEG = 9.3 VTIP = 577.0

WTFAN = 17797.7 WTGB = 2564.9 WTS = 11167.7

WT AIRU = 31530.3

WT AIRI = 39412.9 WFUEL = 7652.9 WT TIP GEAR = 2880.

WT MAIN GEAR = 41747. WT WING = 249700.

WT SYS = 44445. WT STRUCT = 291417.

TOTAL WEIGHT = 341992. DEL WT = -9991.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0

LIFT = 174740.0 L/A = 109.282 H/A = .137 HP = 22109.256

PJ = 346.454 QJ = 34075.933 A = 4.726

SHP/ENG = 15058.3 SHP TOTAL = 123066.4

NO FAN = 38.1 NO/SEG = 7.5 LIMIT/SEG = 9.3 VTIP = 642.8

WTFAN = 21034.5 WTGB = 2825.2 WTS = 14438.1

WT AIRU = 39297.8

WT AIRI = 47872.2 WFUEL = 9593.3 WT TIP GEAR = 3900.

WT MAIN GEAR = 37871. WT WING = 247000.

WT SYS = 41444. WT STRUCT = 280000.

TOTAL WEIGHT = 346537. DEL WT = -11777.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0

LIFT = 224700.0 L/A = 126.094 H/A = .119 HP = 23251.959

PJ = 372.011 QJ = 34376.865 A = 5.364

SHP/ENG = 16257.3 SHP TOTAL = 130058.3

NO FAN = 37.6 NO/SEG = 7.4 LIMIT/SEG = 9.3 VTIP = 707.2

WTFAN = 21666.3 WTGB = 2882.4 WTS = 15184.3

WT AIRU = 39733.0

WT AIRI = 49666.3 WFUEL = 10404.7 WT TIP GEAR = 4500.

WT MAIN GEAR = 35040. WT WING = 247000.

WT SYS = 64571. WT STRUCT = 283154.

TOTAL WEIGHT = 347586. DEL WT = -3697.

T = 4.0 INCHES T/W = .012121

THETA = 60.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8

LIFT = 37450.0 L/A = 21.015 H/A = .198 HP = 2780.354

PJ = 68.457 QJ = 17287.394 A = 3.534

SHP/ENG = 1944.0 SHP TOTAL = 15551.7

NO FAN = 38.8 NO/SEG = 7.7 LIMIT/SEG = 9.3 VTIP = 707.2

WTFAN = 5313.0 WTGB = 1044.6 WTS = 1815.7

WT AIRU = 8173.1

WT AIRI = 10216.4 WFUEL = 1244.1 WT TIP GEAR = 752.
WT MAIN GEAR = 49122. WT WING = 270770.
WT SYS = 12211. WT STRUCT = 327900.
TOTAL WEIGHT = 380111. DEL WT = -11272.

FRACTION OF SW/SIDE = .0500 CUSH MT = 52.5 GEAR MT = 126.0
LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 7510.985
PJ = 171.803 QJ = 24039.651 A = 3.655
SHP/ENG = 5251.5 SHP TOTAL = 12012.2
NO FAN = 38.7 VO/SEG = 7.7 LIMIT/SEG = 9.3 VTIP = 480.7
WTFAN = 10297.6 WTGB = 1823.3 WITS = 4904.9
WT AIRU = 17025.9

WT AIRI = 21202.2 WFUEL = 5361.0 WT TIP GEAR = 1903.
WT MAIN GEAR = 46942. WT WING = 255865.
WT SYS = 26143. WT STRUCT = 312807.
TOTAL WEIGHT = 338951. DEL WT = -12432.

FRACTION OF SW/SIDE = .0750 CUSH MT = 98.7 GEAR MT = 114.5
LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 12742.008
PJ = 245.118 QJ = 28490.491 A = 3.975
SHP/ENG = 8938.9 SHP TOTAL = 71272.6
NO FAN = 38.5 VO/SEG = 7.6 LIMIT/SEG = 9.3 VTIP = 574.1
WTFAN = 14626.4 WTGB = 2249.1 WITS = 8421.1

WT AIRU = 25246.0
WT AIRI = 31557.4 WFUEL = 5701.7 WT TIP GEAR = 2259.
WT MAIN GEAR = 44249. WT WING = 254706.
WT SYS = 39509. WT STRUCT = 294005.
TOTAL WEIGHT = 338515. DEL WT = -12869.

FRACTION OF SW/SIDE = .0960 CUSH MT = 156.0 GEAR MT = 100.0
LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 16693.867
PJ = 294.048 QJ = 31131.362 A = 4.183
SHP/ENG = 11677.0 SHP TOTAL = 93096.4
NO FAN = 34.1 VO/SEG = 7.6 LIMIT/SEG = 9.3 VTIP = 626.7
WTFAN = 17444.1 WTGB = 2536.5 WITS = 10869.8
WT AIRU = 30949.5
WT AIRI = 38561.9 WFUEL = 7447.7 WT TIP GEAR = 2883.
WT MAIN GEAR = 41747. WT WING = 249700.
WT SYS = 48890. WT STRUCT = 291447.
TOTAL WEIGHT = 380336. DEL WT = -11087.

FRACTION OF SW/SIDE = .1300 CUSH MT = 25.1 GEAR MT = 72.0
LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 21277.284
PJ = 349.505 QJ = 33493.067 A = 4.993
SHP/ENG = 14474.6 SHP TOTAL = 119013.1
NO FAN = 37.8 VO/SEG = 7.4 LIMIT/SEG = 9.3 VTIP = 685.5
WTFAN = 20454.7 WTGB = 2776.5 WITS = 13894.8
WT AIRU = 37125.9
WT AIRI = 46407.4 WFUEL = 9521.0 WT TIP GEAR = 3903.
WT MAIN GEAR = 37871. WT WING = 217000.
WT SYS = 59428. WT STRUCT = 240871.
TOTAL WEIGHT = 344700. DEL WT = -6683.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 22204.464
 PJ = 362.745 OJ = 33666.798 A = 5.980
 SHP/ENG = 15574.9 SHP TOTAL = 124199.2
 NO FAN = 37.3 NO/SEG = 7.3 LIMIT/SEG = 9.3 VTIP = 698.3
 W/FAN = 20952.8 W/GB = 2819.7 W/TTS = 14500.3
 WT AIRU = 38272.8
 WT AIRI = 47841.0 WFUEL = 9935.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75890. WT WING = 247223.
 WT SYS = 62277. WT STRUCT = 283115.
 TOTAL WEIGHT = 345392. DEL WT = -5971.

Y = 6.0 INCHES X/W = .0181424
 THETA = 15.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 55.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2888.088
 PJ = 69.270 OJ = 22431.255 A = 3.013
 SHP/ENG = 2019.3 SHP TOTAL = 16154.3
 NO FAN = 58.1 NO/SEG = 12.5 LIMIT/SEG = 9.3 VTIP = 305.2
 W/FAN = 6236.5 W/GB = 1200.4 W/TTS = 1486.0
 WT AIRU = 9322.9
 WT AIRI = 11653.7 WFUEL = 1292.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 19122. WT WING = 279774.
 WT SYS = 15696. WT STRUCT = 327900.
 TOTAL WEIGHT = 341596. DEL WT = -9787.

FRACTION OF GW/SIDE = .0500 CUSH HT = 52.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 7883.834
 PJ = 135.510 OJ = 31998.418 A = 3.178
 SHP/ENG = 5512.2 SHP TOTAL = 44097.7
 NO FAN = 58.0 NO/SEG = 12.5 LIMIT/SEG = 9.3 VTIP = 426.8
 W/FAN = 12171.8 W/GB = 2072.6 W/TTS = 5148.4
 WT AIRU = 19392.8
 WT AIRI = 24241.0 WFUEL = 3527.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 46942. WT WING = 265865.
 WT SYS = 24269. WT STRUCT = 312807.
 TOTAL WEIGHT = 342076. DEL WT = -9307.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.5
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 13610.974
 PJ = 195.571 OJ = 38277.839 A = 3.243
 SHP/ENG = 9516.5 SHP TOTAL = 76132.1
 NO FAN = 57.4 NO/SEG = 12.4 LIMIT/SEG = 9.3 VTIP = 512.8
 W/FAN = 17492.0 W/GB = 2547.4 W/TTS = 4888.4
 WT AIRU = 24949.2
 WT AIRI = 34210.3 WFUEL = 5090.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44299. WT WING = 254706.
 WT SYS = 44551. WT STRUCT = 299005.
 TOTAL WEIGHT = 343556. DEL WT = -7827.

FRACTION OF GW/SIDE = .0960 CUSH HT = 55.8 GEAR HT = 108.0
 LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 18168.153
 PJ = 238.033 OJ = 41979.343 A = 3.450

SHP/ENG = 127.2.9 SHP TOTAL = 331622.3
 NO FAN = 57.4 NO/SEG = 12.4 LIMIT/SEG = 9.3 VTIP = 565.7
 WIFAN = 21163.8 WTGR = 2850.7 WTS = 11864.0
 WT AIRU = 35879.0
 WT AIRI = 44848.8 WFUEL = 8129.9 WT TIP GEAR = 2880.
 WT MAIN GEAR = 81747. WT WING = 249700.
 WT SYS = 55659. WT STRUCT = 291487.
 TOTAL WEIGHT = 387305. DEL WT = -4078.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 24186.189
 PJ = 290.703 QJ = 45759.455 A = 3.329
 SHP/ENG = 16910.5 SHP TOTAL = 155241.8
 NO FAN = 56.6 NO/SEG = 12.2 LIMIT/SEG = 9.3 VTIP = 625.2
 WIFAN = 25498.4 WTGR = 3168.0 WTS = 15798.4
 WT AIRU = 44455.8
 WT AIRI = 55571.0 WFUEL = 10922.7 WT TIP GEAR = 3903.
 WT MAIN GEAR = 7871. WT WING = 287200.
 WT SYS = 70294. WT STRUCT = 284871.
 TOTAL WEIGHT = 355165. DEL WT = 3782.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 254700.0 L/A = 126.094 H/W = .119 HP = 25012.158
 PJ = 307.868 QJ = 46470.141 A = 4.393
 SHP/ENG = 18187.2 SHP TOTAL = 185897.3
 NO FAN = 55.9 NO/SEG = 12.0 LIMIT/SEG = 9.3 VTIP = 693.4
 WIFAN = 26643.8 WTGR = 3278.4 WTS = 16986.8
 WT AIRU = 46905.0
 WT AIRI = 58631.3 WFUEL = 11639.8 WT TIP GEAR = 4503.
 WT MAIN GEAR = 55090. WT WING = 247725.
 WT SYS = 74771. WT STRUCT = 283115.
 TOTAL WEIGHT = 357886. DEL WT = 6503.

T = 6.0 INCHES T/W = .018182
 THETA = 30.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.0
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2568.899
 PJ = 64.548 QJ = 21898.863 A = 3.305
 SHP/ENG = 1796.1 SHP TOTAL = 18358.9
 NO FAN = 57.5 NO/SEG = 12.4 LIMIT/SEG = 9.3 VTIP = 746.5
 WIFAN = 3746.5 WTGR = 1114.1 WTS = 1677.6
 WT AIRU = 8538.2
 WT AIRI = 10672.8 WFUEL = 1149.5 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 274778.
 WT SYS = 12572. WT STRUCT = 327900.
 TOTAL WEIGHT = 340172. DEL WT = -10911.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.9 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 6994.562
 PJ = 126.096 QJ = 30528.674 A = 3.402
 SHP/ENG = 4890.5 SHP TOTAL = 39125.6
 NO FAN = 57.3 NO/SEG = 12.3 LIMIT/SEG = 9.3 VTIP = 411.7
 WIFAN = 11194.7 WTGR = 1951.6 WTS = 4567.1

WT AIRU = 17714.0

WT AIRI = 22142.5 WFUEL = 3120.9 WT TIP GEAR = 1500.

WT MAIN GEAR = 46942. WT WING = 265865.

WT SYS = 26772. WT STRUCT = 312807.

TOTAL WEIGHT = 339580. DEL WT = -11803.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 110.5

LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 12024.862

PJ = 181.572 QJ = 36424.580 A = 3.579

SHP/ENG = 847.5 SHP TOTAL = 67250.3

NO FAN = 57.0 NO/SEG = 12.3 LIMIT/SEG = 9.3 VTIP = 494.1

WT FAN = 15038.3 WTGB = 2865.8 WITS = 7952.4

WT AIRU = 26356.7

WT AIRI = 32945.9 WFUEL = 5380.8 WT TIP GEAR = 2250.

WT MAIN GEAR = 44299. WT WING = 251704.

WT SYS = 40577. WT STRUCT = 299005.

TOTAL WEIGHT = 339582. DEL WT = -11801.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0

LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 15970.278

PJ = 220.421 QJ = 39849.501 A = 3.826

SHP/ENG = 11145.1 SHP TOTAL = 89328.7

NO FAN = 56.5 NO/SEG = 12.2 LIMIT/SEG = 9.3 VTIP = 544.4

WT FAN = 19332.5 WTGB = 2721.9 WITS = 10429.1

WT AIRU = 32483.6

WT AIRI = 40604.5 WFUEL = 7146.3 WT TIP GEAR = 2880.

WT MAIN GEAR = 41747. WT WING = 249700.

WT SYS = 50631. WT STRUCT = 291447.

TOTAL WEIGHT = 342777. DEL WT = -9306.

FRACTION OF GW/SIDE = .1500 CUSH HT = 45.1 GEAR HT = 72.0

LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 21075.502

PJ = 268.200 QJ = 43235.815 A = 4.397

SHP/ENG = 14775.5 SHP TOTAL = 117834.4

NO FAN = 55.7 NO/SEG = 11.9 LIMIT/SEG = 9.3 VTIP = 609.4

WT FAN = 23133.0 WTGB = 2984.9 WITS = 13763.0

WT AIRU = 39880.9

WT AIRI = 49851.2 WFUEL = 9430.6 WT TIP GEAR = 3900.

WT MAIN GEAR = 47871. WT WING = 247000.

WT SYS = 63182. WT STRUCT = 284871.

TOTAL WEIGHT = 348553. DEL WT = -5550.

FRACTION OF GW/SIDE = .2500 CUSH HT = 39.0 GEAR HT = 53.0

LIFT = 224700.0 L/A = 126.094 H/W = .116 HP = 22539.096

PJ = 293.342 QJ = 43751.088 A = 4.950

SHP/ENG = 15758.9 SHP TOTAL = 126070.9

NO FAN = 54.9 NO/SEG = 11.7 LIMIT/SEG = 9.3 VTIP = 617.2

WT FAN = 24054.9 WTGB = 3054.5 WITS = 14718.9

WT AIRU = 41435.1

WT AIRI = 52297.7 WFUEL = 10065.7 WT TIP GEAR = 4500.

WT MAIN GEAR = 45490. WT WING = 247225.

WT SYS = 66883. WT STRUCT = 283115.

TOTAL WEIGHT = 349998. DEL WT = -1385.

T = 6.0 INCHES T/W = .018182
THETA = 45.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.9
LIFT = 37450.0 L/A = 21.016 H/W = .195 HP = 2419.252
PJ = 62.417 QJ = 2137.935 A = 3.993
SHP/ENG = 1601.5 SHP TOTAL = 13931.9
NO FAN = 55.9 NO/SEG = 12.2 LIMIT/SEG = 9.3 VTIP = 289.7
WTFAN = 5503.8 WTGR = 1070.6 WITS = 1579.2
WT AIRU = 8153.9
WT AIRI = 10192.4 WFUEL = 1082.6 WT TIP GEAR = 75.0
WT MAIN GEAR = 89122. WT WING = 27877.8
WT SYS = 12025. WT STRUCT = 32790.0
TOTAL WEIGHT = 339925. DEL WT = -11458.

FRACTION OF GW/SIDE = .0350 CUSH HT = 62.6 GEAR HT = 126.0
LIFT = 79900.0 L/A = 42.031 H/W = .190 HP = 6509.338
PJ = 121.743 QJ = 29678.387 A = 3.593
SHP/ENG = 4993.1 SHP TOTAL = 36745.3
NO FAN = 56.8 NO/SEG = 12.2 LIMIT/SEG = 9.3 VTIP = 478.6
WTFAN = 10700.5 WTGR = 1847.0 WITS = 4290.0
WT AIRU = 16877.4
WT AIRI = 21095.4 WFUEL = 2939.6 WT TIP GEAR = 150.0
WT MAIN GEAR = 46942. WT WING = 24904.5
WT SYS = 25536. WT STRUCT = 31280.7
TOTAL WEIGHT = 338149. DEL WT = -13039.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 110.5
LIFT = 118350.0 L/A = 80.700 H/W = .165 HP = 20653.917
PJ = 174.867 QJ = 35364.280 A = 5.795
SHP/ENG = 7861.8 SHP TOTAL = 62891.0
NO FAN = 56.4 NO/SEG = 12.1 LIMIT/SEG = 9.3 VTIP = 484.9
WTFAN = 15281.2 WTGR = 2396.6 WITS = 7342.5
WT AIRU = 25020.3
WT AIRI = 31275.4 WFUEL = 5051.9 WT TIP GEAR = 225.0
WT MAIN GEAR = 44299. WT WING = 25470.6
WT SYS = 38557. WT STRUCT = 29900.5
TOTAL WEIGHT = 337562. DEL WT = -13821.

FRACTION OF GW/SIDE = .0960 CUSH HT = 55.2 GEAR HT = 100.0
LIFT = 143808.0 L/A = 80.700 H/W = .165 HP = 20653.917
PJ = 211.470 QJ = 38596.101 A = 4.074
SHP/ENG = 10395.5 SHP TOTAL = 83094.4
NO FAN = 56.0 NO/SEG = 12.0 LIMIT/SEG = 9.3 VTIP = 533.5
WTFAN = 19349.2 WTGR = 2648.6 WITS = 9700.1
WT AIRU = 30697.8
WT AIRI = 38372.2 WFUEL = 5646.8 WT TIP GEAR = 288.0
WT MAIN GEAR = 41787. WT WING = 28970.0
WT SYS = 47849. WT STRUCT = 29144.7
TOTAL WEIGHT = 339346. DEL WT = -12037.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 19423.171

PJ = 256.269 QJ = 41685.598 A = 4.726
 SHP/ENG = 13580.3 SHP TOTAL = 108682.2
 NO FAN = 55.0 NO/SEG = 11.7 LIMIT/SEG = 9.3 VTIP = 587.0
 WIFAN = 21905.9 WTGB = 2889.9 WITS = 12589.0
 WT AIRU = 37379.8
 WT AIRI = 94729.9 WFUEL = 8691.4 WT TIP GEAR = 3900.
 WT MAIN GEAR = 77471. WT WING = 297000.
 WT SYS = 59316. WT STRUCT = 284871.
 TOTAL WEIGHT = 344187. DEL WT = -7196.

FRACTION OF GW/SIDE = .1500 CUSH MT = 39.0 GEAR MT = 53.0
 LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 20647.817

PJ = 270.144 QJ = 42037.912 A = 5.358
 SHP/ENG = 14476.5 SHP TOTAL = 115492.2
 NO FAN = 54.0 NO/SEG = 11.5 LIMIT/SEG = 9.3 VTIP = 602.6
 WIFAN = 22577.7 WTGB = 2943.3 WITS = 13483.7
 WT AIRU = 39004.6
 WT AIRI = 48755.8 WFUEL = 9239.4 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75890. WT WING = 247225.
 WT SYS = 62495. WT STRUCT = 283115.
 TOTAL WEIGHT = 345610. DEL WT = -5773.

T = 6.0 INCHES T/W = .018182

THETA = 60.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 65.3 GEAR MT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2400.665
 PJ = 62.404 QJ = 11156.449 A = 3.534
 SHP/ENG = 1678.5 SHP TOTAL = 13428.0
 NO FAN = 56.5 NO/SEG = 12.1 LIMIT/SEG = 9.3 VTIP = 299.6
 WIFAN = 5461.7 WTGB = 1063.3 WITS = 1567.7
 WT AIRU = 8092.7
 WT AIRI = 10115.9 WFUEL = 1074.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 274778.
 WT SYS = 11940. WT STRUCT = 327900.
 TOTAL WEIGHT = 339840. DEL WT = -11543.

FRACTION OF GW/SIDE = .0500 CUSH MT = 52.8 GEAR MT = 126.0
 LIFT = 74900.0 L/A = 42.031 H/W = .199 HP = 6499.232
 PJ = 121.497 QJ = 29421.117 A = 3.555
 SHP/ENG = 4584.1 SHP TOTAL = 36353.0
 NO FAN = 56.3 NO/SEG = 12.1 LIMIT/SEG = 9.3 VTIP = 404.2
 WIFAN = 10597.0 WTGB = 1873.0 WITS = 4244.2
 WT AIRU = 16714.2
 WT AIRI = 20492.7 WFUEL = 2904.2 WT TIP GEAR = 1500.
 WT MAIN GEAR = 44442. WT WING = 244945.
 WT SYS = 25301. WT STRUCT = 312807.
 TOTAL WEIGHT = 338108. DEL WT = -13275.

FRACTION OF GW/SIDE = .0750 CUSH MT = 58.7 GEAR MT = 144.5
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 11268.741
 PJ = 174.000 QJ = 34987.344 A = 9.975
 SHP/ENG = 7779.0 SHP TOTAL = 61912.3
 NO FAN = 56.0 NO/SEG = 12.0 LIMIT/SEG = 9.3 VTIP = 485.7

WTFAN = 15082.4 WTGB = 2377.0 WTS = 7228.3
WT AIRU = 29686.1
WT AIRI = 30857.6 WFUEL = 4953.0 WT TIP GEAR = 2250.
WT MAIN GEAR = 88299. WT WING = 258706.
WT SYS = 38061. WT STRUCT = 299005.
TOTAL WEIGHT = 337066. DEL WT = -14317.

FRACTION OF SW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0
LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 18536.925
PJ = 209.997 QJ = 38090.571 A = 4.183
SHP/ENG = 10163.6 SHP TOTAL = 81309.1
NO FAN = 55.5 NO/SEG = 11.9 LIMIT/SEG = 2.3 VTIP = 531.2
WTFAN = 18032.7 WTGB = 2623.5 WTS = 7842.8
WT AIRU = 30149.0
WT AIRI = 37686.3 WFUEL = 4508.7 WT TIP GEAR = 2883.
WT MAIN GEAR = 81747. WT WING = 249700.
WT SYS = 47071. WT STRUCT = 291447.
TOTAL WEIGHT = 338518. DEL WT = -2865.

FRACTION OF SW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 19812.807
PJ = 252.556 QJ = 40951.454 A = 4.593
SHP/ENG = 3153.5 SHP TOTAL = 115228.2
NO FAN = 54.4 NO/SEG = 11.6 LIMIT/SEG = 2.3 VTIP = 567.8
WTFAN = 21270.8 WTGB = 2851.6 WTS = 12285.4
WT AIRU = 36807.7
WT AIRI = 45509.7 WFUEL = 8419.3 WT TIP GEAR = 3903.
WT MAIN GEAR = 37871. WT WING = 247000.
WT SYS = 57828. WT STRUCT = 288871.
TOTAL WEIGHT = 342609. DEL WT = -4681.

FRACTION OF SW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
LIFT = 224700.0 L/A = 125.094 H/W = .118 HP = 19861.165
PJ = 245.469 QJ = 41157.495 A = 5.390
SHP/ENG = 13886.5 SHP TOTAL = 111092.1
NO FAN = 53.3 NO/SEG = 11.3 LIMIT/SEG = 9.3 VTIP = 597.3
WTFAN = 21910.3 WTGB = 2894.7 WTS = 12970.8
WT AIRU = 37775.1
WT AIRI = 47218.8 WFUEL = 8887.4 WT TIP GEAR = 4503.
WT MAIN GEAR = 75990. WT WING = 247225.
WT SYS = 60606. WT STRUCT = 285152.
TOTAL WEIGHT = 343721. DEL WT = -7662.

T = 8.0 INCHES T/W = .024242
THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2597.455
PJ = 53.976 QJ = 26457.397 A = 3.013
SHP/ENG = 1816.1 SHP TOTAL = 14528.7
NO FAN = 76.0 NO/SEG = 17.0 LIMIT/SEG = 4.3 VTIP = 249.8
WTFAN = 6354.1 WTGB = 1217.0 WTS = 1696.2
WT AIRU = 9267.3
WT AIRI = 11588.1 WFUEL = 1462.3 WT TIP GEAR = 750.

WT MAIN GEAR = 99122. WT WING = 279778.
WT SYS = 13496. WT STRUCT = 327900.
TOTAL WEIGHT = 341396. DEL WT = -9987.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0
LIFT = 74900.0 L/A = 42.031 4/W = .190 HP = 7100.813
PJ = 105.748 QJ = 36931.510 A = 3.099
SHP/ENG = 4969.7 SHP TOTAL = 39717.9
NO FAN = 75.8 NO/SEG = 16.9 LIMIT/SEG = 9.3 VTIP = 377.1
WT FAN = 12410.1 WTGR = 2118.9 WTTS = 4537.1
WT AIRU = 19166.1
WT AIRI = 23957.4 WFUEL = 3177.4 WT TIP GEAR = 1500

WT MAIN GEAR = 46902. WT WING = 265865.
WT SYS = 28635. WT STRUCT = 312807.
TOTAL WEIGHT = 341442. DEL WT = -9981.

FRACTION OF GW/SIDE = .0750 CUSH HT = 59.7 GEAR HT = 114.5
LIFT = 112350.0 L/A = 63.017 4/W = .178 HP = 12291.633
PJ = 153.033 QJ = 44176.094 A = 3.293
SHP/ENG = 8589.1 SHP TOTAL = 69752.4
NO FAN = 75.4 NO/SEG = 16.9 LIMIT/SEG = 9.3 VTIP = 453.6
WT FAN = 17477.5 WTGR = 2661.1 WTTS = 4026.9
WT AIRU = 24545.4

WT AIRI = 35681.8 WFUEL = 5500.2 WT TIP GEAR = 2250.
WT MAIN GEAR = 44299. WT WING = 254706.
WT SYS = 43432. WT STRUCT = 299005.
TOTAL WEIGHT = 342437. DEL WT = -4006.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0
LIFT = 143808.0 L/A = 80.707 4/W = .163 HP = 164674395
PJ = 186.962 QJ = 59443.188 A = 3.458
SHP/ENG = 11513.6 SHP TOTAL = 92109.0
NO FAN = 74.8 NO/SEG = 16.7 LIMIT/SEG = 9.3 VTIP = 501.4
WT FAN = 21544.5 WTGR = 327.4 WTTS = 10757.7
WT AIRU = 35325.8
WT AIRI = 44157.2 WFUEL = 1300.7 WT TIP GEAR = 2980.
WT MAIN GEAR = 91747. WT WING = 299700.
WT SYS = 54406. WT STRUCT = 21447.
TOTAL WEIGHT = 345853. DEL WT = -5530.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
LIFT = 174740.0 L/A = 104.282 4/W = .137 HP = 22105.727
PJ = 230.324 QJ = 52791.702 A = 3.929
SHP/ENG = 15453.9 SHP TOTAL = 123646.9
NO FAN = 73.4 NO/SEG = 16.4 LIMIT/SEG = 9.3 VTIP = 555.4
WT FAN = 25179.2 WTGR = 7213.8 WTTS = 14435.8
WT AIRU = 43828.8
WT AIRI = 54745.4 WFUEL = 9891.8 WT TIP GEAR = 3900.
WT MAIN GEAR = 77971. WT WING = 297000.
WT SYS = 68576. WT STRUCT = 284871.
TOTAL WEIGHT = 353449. DEL WT = 2066.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0

LIFT = 228700.0 L/A = 226.059 H/W = .119 HP = 23962.923
 PJ = 245.906 QJ = 53506.181 A = 4.393
 SHP/ENG = 16754.8 SHP TOTAL = 134035.0
 NO FAN = 72.1 NO/SEG = 16.0 LIMIT/SEG = 9.3 VTIP = 575.0
 WIFAN = 27463.6 WTGB = 3307.1 WITS = 15648.6
 WT AIRU = 46419.3
 WT AIRI = 58024.1 WFUEL = 10722.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 75890. WT WING = 247225.
 WT SYS = 73247. WT STRUCT = 283115.
 TOTAL WEIGHT = 356342. DEL WT = 4979.

T = 8.0 INCHES T/W = .024292

THEFA = 30.0 DEGREES FOR SPANWISE

FRACTION OF SW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2326.542
 PJ = 40.557 QJ = 25259.801 A = 3.305
 SHP/ENG = 1426.7 SHP TOTAL = 13013.4
 NO FAN = 74.9 NO/SEG = 16.7 LIMIT/SEG = 9.3 VTIP = 261.0
 WIFAN = 5874.8 WTGB = 1132.5 WITS = 1519.3
 WT AIRU = 8526.6
 WT AIRI = 10656.3 WFUEL = 1041.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 278779.
 WT SYS = 22449. WT STRUCT = 327900.

TOTAL WEIGHT = 340349. DEL WT = -11038.4

FRACTION OF SW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 6345.537
 PJ = 99.134 QJ = 15205.393 A = 3.102
 SHP/ENG = 4436.7 SHP TOTAL = 33473.4
 NO FAN = 74.6 NO/SEG = 16.7 LIMIT/SEG = 9.3 VTIP = 365.1
 WIFAN = 11458.1 WTGB = 1997.5 WITS = 8183.8
 WT AIRU = 17555.4
 WT AIRI = 21994.3 WFUEL = 2439.5 WT TIP GEAR = 1500.
 WT MAIN GEAR = 64982. WT WING = 245565.
 WT SYS = 26334. WT STRUCT = 312807.
 TOTAL WEIGHT = 339141. DEL WT = -12242.

FRACTION OF SW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.5
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 10942.939
 PJ = 193.204 QJ = 42028.195 A = 3.572
 SHP/ENG = 7651.1 SHP TOTAL = 61208.6
 NO FAN = 74.1 NO/SEG = 16.5 LIMIT/SEG = 9.3 VTIP = 438.8
 WIFAN = 16434.6 WTGB = 2538.3 WITS = 7146.1
 WT AIRU = 26119.0
 WT AIRI = 32446.7 WFUEL = 4495.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44299. WT WING = 254706.
 WT SYS = 39745. WT STRUCT = 299005.
 TOTAL WEIGHT = 338841. DEL WT = -12582.

FRACTION OF SW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0
 LIFT = 143800.0 L/A = 80.700 H/W = .163 HP = 14598.715
 PJ = 174.614 QJ = 45973.597 A = 3.826
 SHP/ENG = 10225.0 SHP TOTAL = 81640.2

NO FAN = 73.4 NO/SEG = 16.4 LIMIT/SEG = 9.3 VTIP = 444.5
 WIFAN = 19851.3 WTGR = 2804.4 WTS = 9531.5
 WT AIRU = 32187.2
 WT AIRI = 40234.0 WFUEL = 6531.2 WT TIP GEAR = 2889.
 WT MAIN GEAR = 41747. WT WING = 249700.
 WT SYS = 49645. WT STRUCT = 291447.
 TOTAL WEIGHT = 342092. DEL WT = 10242.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 19449.144
 PJ = 214.531 QJ = 44562.360 A = 4.397
 SHP/ENG = 13528.4 SHP TOTAL = 138787.5
 NO FAN = 71.8 NO/SEG = 16.0 LIMIT/SEG = 9.3 VTIP = 537.0
 WIFAN = 23864.8 WTGR = 3059.8 WTS = 12700.9
 WT AIRU = 39625.6
 WT AIRI = 49532.0 WFUEL = 4703.0 WT TIP GEAR = 3903.
 WT MAIN GEAR = 17871. WT WING = 247000.
 WT SYS = 62135. WT STRUCT = 244871.
 TOTAL WEIGHT = 347606. DEL WT = -4377.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
 LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 20989.689
 PJ = 228.359 QJ = 50436.440 A = 4.950
 SHP/ENG = 14675.6 SHP TOTAL = 117404.4
 NO FAN = 70.4 NO/SEG = 15.6 LIMIT/SEG = 9.3 VTIP = 554.7
 WIFAN = 24934.3 WTGR = 3126.3 WTS = 13707.2
 WT AIRU = 41767.6
 WT AIRI = 52209.5 WFUEL = 9392.4 WT TIP GEAR = 4503.
 WT MAIN GEAR = 15890. WT WING = 247225.
 WT SYS = 66102. WT STRUCT = 283115.
 TOTAL WEIGHT = 349217. DEL WT = -2166.

T = 8.0 INCHES T/W = .024242
 THETA = 45.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2203.979
 PJ = 49.283 QJ = 24596.543 A = 3.483
 SHP/ENG = 1541.0 SHP TOTAL = 12327.8
 NO FAN = 73.9 NO/SEG = 16.5 LIMIT/SEG = 9.3 VTIP = 257.4
 WIFAN = 5642.4 WTGR = 1091.1 WTS = 1439.5
 WT AIRU = 8172.7
 WT AIRI = 10215.9 WFUEL = 986.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 278778.
 WT SYS = 11452. WT STRUCT = 327900.
 TOTAL WEIGHT = 334452. DEL WT = -11531.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 5996.245
 PJ = 96.316 QJ = 34240.842 A = 3.593
 SHP/ENG = 4102.4 SHP TOTAL = 33539.6
 NO FAN = 73.6 NO/SEG = 16.4 LIMIT/SEG = 9.3 VTIP = 354.8
 WIFAN = 10980.8 WTGR = 1934.3 WTS = 3915.7
 WT AIRU = 16930.8

WT AIRI = 2038.6 WFUEL = 2483.2 WT TIP GEAR = 1500.
WT MAIN GEAR = 46942. WT WING = 265865.
WT SYS = 25222. WT STRUCT = 312807.
TOTAL WEIGHT = 338129. DEL WT = -13358.

FRACTION OF GW/SIDE = .0750 CUSH HT = 59.7 GEAR HT = 114.5
LIFT = 112350.0 L/A = 63.047 M/W = .178 HP = 102986495
PJ = 138.841 QJ = 40796.007 A = 3.795
SHP/ENG = 7200.5 SHP TOTAL = 52603.0
NO FAN = 73.1 NO/SEG = 16.3 LIMIT/SEG = 9.3 VTIP = 432.0
JTFAN = 15707.9 WTGB = 2469.8 WITS = 6725.3
WT AIRU = 28902.9

WT AIRI = 31128.6 WFUEL = 4606.3 WT TIP GEAR = 2250.
WT MAIN GEAR = 44299. WT WING = 254706.
WT SYS = 37487. WT STRUCT = 299005.
TOTAL WEIGHT = 336992. DEL WT = -14391.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 120.0
LIFT = 143808.0 L/A = 80.700 M/W = .163 HP = 13670.356
PJ = 169.997 QJ = 89516.349 A = 4.076
SHP/ENG = 9588.0 SHP TOTAL = 76454.2
NO FAN = 72.3 NO/SEG = 16.1 LIMIT/SEG = 9.3 VTIP = 474.5
JTFAN = 14904.8 WTGB = 2733.6 WITS = 8427.2

WT AIRU = 30565.6
WT AIRI = 38207.0 WFUEL = 6117.1 WT TIP GEAR = 2880.
WT MAIN GEAR = 41747. WT WING = 249700.
WT SYS = 47204. WT STRUCT = 291447.
TOTAL WEIGHT = 338651. DEL WT = -12732.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
LIFT = 124740.0 L/A = 609.282 M/W = .137 HP = 18068.976
PJ = 206.792 QJ = 48057.705 A = 4.726
SHP/ENG = 12673.4 SHP TOTAL = 101057.6
NO FAN = 70.5 NO/SEG = 15.4 LIMIT/SEG = 9.3 VTIP = 527.3
JTFAN = 22582.4 WTGB = 2975.6 WITS = 11799.6
WT AIRU = 37357.7
WT AIRI = 46647.1 WFUEL = 8085.4 WT TIP GEAR = 3900.
WT MAIN GEAR = 37871. WT WING = 247000.
WT SYS = 58682. WT STRUCT = 284871.
TOTAL WEIGHT = 343559. DEL WT = -7929.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
LIFT = 224700.0 L/A = 126.094 M/W = .118 HP = 19401.565
PJ = 220.293 QJ = 48439.348 A = 5.354
SHP/ENG = 13545.2 SHP TOTAL = 108521.3
NO FAN = 68.4 NO/SEG = 15.2 LIMIT/SEG = 9.3 VTIP = 544.2
JTFAN = 23493.0 WTGB = 3029.8 WITS = 12669.9
WT AIRU = 39192.7
WT AIRI = 48490.9 WFUEL = 8661.7 WT TIP GEAR = 4500.
WT MAIN GEAR = 35690. WT WING = 247225.
WT SYS = 62173. WT STRUCT = 283115.
TOTAL WEIGHT = 345287. DEL WT = -6096.

T = 8.0 INCHES T/W = .024242
 THETA = 60.0 DEGREES 308 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.0
 LIFT = 37450.0 L/A = 21.016 M/W = .198 HP = 2196.825
 PJ = 44.500 QJ = 24409.036 A = 3.534
 SHP/ENG = 1576.0 SHP TOTAL = 12297.8
 NO FAN = 73.2 NO/SEG = 16.3 LIMIT/SEG = 9.3 VTIP = 254.0
 WIFAN = 5511.7 WTGB = 1085.7 WITS = 1434.6
 WT AIRU = 8132.0
 WT AIRI = 10165.0 WFUEL = 983.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 49122. WT WING = 278778.
 WT SYS = 11848. WT STRUCT = 327920.
 TOTAL WEIGHT = 339798. DEL WT = -11569.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 M/W = .190 HP = 5959.688
 PJ = 95.581 QJ = 13075.621 A = 3.655
 SHP/ENG = 4166.9 SHP TOTAL = 33335.1
 NO FAN = 72.9 NO/SEG = 16.2 LIMIT/SEG = 9.3 VTIP = 360.3
 WIFAN = 10398.8 WTGB = 1922.9 WITS = 3491.7
 WT AIRU = 16713.6
 WT AIRI = 20892.0 WFUEL = 2666.8 WT TIP GEAR = 1500.
 WT MAIN GEAR = 76942. WT WING = 255863.
 WT SYS = 25059. WT STRUCT = 312807. TOTAL WEIGHT = 337866. DEL WT = -13917.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.5
 LIFT = 112350.0 L/A = 63.047 M/W = .178 HP = 101876851
 PJ = 138.855 QJ = 40355.877 A = 4.183
 SHP/ENG = 7123.1 SHP TOTAL = 56985.1
 NO FAN = 72.3 NO/SEG = 16.1 LIMIT/SEG = 9.3 VTIP = 472.1
 WIFAN = 15536.4 WTGB = 2452.3 WITS = 6653.0
 WT AIRU = 24643.6
 WT AIRI = 30904.5 WFUEL = 4558.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44299. WT WING = 254706.
 WT SYS = 37613. WT STRUCT = 299005.
 TOTAL WEIGHT = 336619. DEL WT = -14764.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0
 LIFT = 143808.0 L/A = 80.700 M/W = .165 HP = 134094961
 PJ = 168.399 QJ = 43923.927 A = 4.183
 SHP/ENG = 9403.0 SHP TOTAL = 75223.8
 NO FAN = 71.4 NO/SEG = 15.9 LIMIT/SEG = 9.3 VTIP = 475.8
 WIFAN = 18525.6 WTGB = 2710.6 WITS = 8742.4
 WT AIRU = 30114.6
 WT AIRI = 37649.3 WFUEL = 6017.9 WT TIP GEAR = 2000.
 WT MAIN GEAR = 41747. WT WING = 249700.
 WT SYS = 46546. WT STRUCT = 291447.
 TOTAL WEIGHT = 337493. DEL WT = -13390.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0
 LIFT = 194740.0 L/A = 109.282 M/W = .137 HP = 17606.651
 PJ = 205.173 QJ = 47197.485 A = 4.893

SHP/ENG = 1230.2 SHP TOTAL = 92481.6

NO FAN = 69.5 NO/SEG = 15.4 LIMIT/SEG = 9.3 VTIP = 525.2

WTFAN = 22091.2 WTGB = 2941.8 WTS = 11897.7

WT AIRU = 34530.7

WT AIRI = 95663.4 WFUEL = 7874.5 WT TIP GEAR = 3900.

WT MAIN GEAR = 7757.6 WT WING = 247000.

WT SYS = 57442. WT STRUCT = 26497.

TOTAL WEIGHT = 342313. DEL WT = -9070.

FRACTION OF GW/SIDE = .1500 CUSH MT = 39.0 GEAR MT = 53.0

LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 19786.962

PJ = 217.960 QJ = 17437.103 A = 5.580

SHP/ENG = 13135.5 SHP TOTAL = 105083.6

NO FAN = 67.8 NO/SEG = 14.9 LIMIT/SEG = 9.3 VTIP = 541.3

WTFAN = 22970.3 WTGB = 2987.3 WTS = 12268.5

WT AIRU = 38126.1

WT AIRI = 47657.7 WFUEL = 8406.7 WT TIP GEAR = 4500.

WT MAIN GEAR = 7590. WT WING = 247225.

WT SYS = 60564. WT STRUCT = 283115.

TOTAL WEIGHT = 343379. DEL WT = -7704.

T = 10.0 INCHES T/W = .030303

THETA = 25.4 DEGREES 304 SPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 65.3 GEAR MT = 132.8

LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2411.863

PJ = 44.952 QJ = 29575.294 A = 3.013

SHP/ENG = 1696.3 SHP TOTAL = 13490.6

NO FAN = 93.2 NO/SEG = 21.3 LIMIT/SEG = 9.3 VTIP = 245.6

WTFAN = 6472.4 WTGB = 1235.3 WTS = 1575.9

WT AIRU = 9282.6

WT AIRI = 11603.3 WFUEL = 1079.2 WT TIP GEAR = 750.

WT MAIN GEAR = 49122. WT WING = 278778.

WT SYS = 13433. WT STRUCT = 327900.

TOTAL WEIGHT = 341332. DEL WT = -10051.

FRACTION OF GW/SIDE = .0500 CUSH MT = 62.8 GEAR MT = 126.0

LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 6602.833

PJ = 88.003 QJ = 41266.354 A = 3.094

SHP/ENG = 4616.6 SHP TOTAL = 36932.5

NO FAN = 92.8 NO/SEG = 21.2 LIMIT/SEG = 9.3 VTIP = 366.0

WTFAN = 12649.8 WTGB = 2163.1 WTS = 4311.9

WT AIRU = 19124.8

WT AIRI = 23905.9 WFUEL = 2954.6 WT TIP GEAR = 1500.

WT MAIN GEAR = 46442. WT WING = 255865.

WT SYS = 54361. WT STRUCT = 312907.

TOTAL WEIGHT = 341368. DEL WT = -10215.

FRACTION OF GW/SIDE = .0750 CUSH MT = 56.7 GEAR MT = 114.5

LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 11459.103

PJ = 127.692 QJ = 49357.170 A = 3.243

SHP/ENG = 8012.0 SHP TOTAL = 64095.7

NO FAN = 92.2 NO/SEG = 21.0 LIMIT/SEG = 9.3 VTIP = 414.3

WTFAN = 18225.2 WTGB = 2729.4 WTS = 7443.2

WT AIRU = 28437.9

WT AIRI = 35547.2 WFUEL = 5127.7 WT TIP GEAR = 2250.

WT MAIN GEAR = 44299. WT WING = 254706.

WT SYS = 42925. WT STRUCT = 299005.

TOTAL WEIGHT = 341930. DEL WT = -9453.

FRACTION OF GW/SIDE = .0980 CUSH HT = 53.8 GEAR HT = 100.0

LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 15406.648

PJ = 156.577 QJ = 54117.986 A = 3.450

SHP/ENG = 10772.0 SHP TOTAL = 86176.0

NO FAN = 91.3 NO/SEG = 20.8 LIMIT/SEG = 9.3 VTIP = 458.8

WTFAN = 22128.2 WTGR = 3004.0 WTTIS = 12061.1

WT AIRU = 35193.3

WT AIRI = 43991.6 WFUEL = 6894.1 WT TIP GEAR = 2883.

WT MAIN GEAR = 41747. WT WING = 249700.

WT SYS = 53766. WT STRUCT = 291447.

TOTAL WEIGHT = 345212. DEL WT = -6171.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0

LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 20848.473

PJ = 194.492 QJ = 58956.942 A = 3.929

SHP/ENG = 14576.4 SHP TOTAL = 116614.5

NO FAN = 59.2 NO/SEG = 20.3 LIMIT/SEG = 9.3 VTIP = 511.3

WTFAN = 26867.4 WTGR = 3279.8 WTTIS = 13614.7

WT AIRU = 43762.0

WT AIRI = 54702.4 WFUEL = 9329.2 WT TIP GEAR = 3903.

WT MAIN GEAR = 37671. WT WING = 247000.

WT SYS = 67932. WT STRUCT = 284871.

TOTAL WEIGHT = 332403. DEL WT = 1420.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0

LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 22769.979

PJ = 209.304 QJ = 59833.940 A = 4.393

SHP/ENG = 15920.3 SHP TOTAL = 127362.3

NO FAN = 87.3 NO/SEG = 19.8 LIMIT/SEG = 9.3 VTIP = 530.5

WTFAN = 28286.3 WTGR = 3367.6 WTTIS = 14869.6

WT AIRU = 46523.5

WT AIRI = 58154.4 WFUEL = 10189.0 WT TIP GEAR = 4503.

WT MAIN GEAR = 35890. WT WING = 247225.

WT SYS = 72443. WT STRUCT = 283115.

TOTAL WEIGHT = 355958. DEL WT = 4375.

T = 10.0 INCHES T/W = .030303

THETA = 30.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 192.0

LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2175.002

PJ = 42.321 QJ = 24219.511 A = 3.305

SHP/ENG = 1570.7 SHP TOTAL = 12155.7

NO FAN = 91.5 NO/SEG = 20.9 LIMIT/SEG = 9.3 VTIP = 238.7

WTFAN = 6203.8 WTGR = 1152.7 WTTIS = 1120.3

WT AIRU = 8576.9

WT AIRI = 10721.1 WFUEL = 973.3 WT TIP GEAR = 750.

WT MAIN GEAR = 49122. WT WING = 278778.

WT SYS = 12444. WT STRUCT = 32747.
TOTAL WEIGHT = 340544. DEL WT = -21039.

FRACTION OF GW/SIDE = .0750 CUSH HT = 62.8 GEAR HT = 126.0
LIFT = 74900.0 L/A = 42.031 M/W = .190 HP = 5942.029
PJ = 83.099 QJ = 39378.192 A = 3.802
SHP/ENG = 4154.5 SHP TOTAL = 33236.3
NO FAN = 91.0 NO/SEG = 20.8 LIMIT/SEG = 9.3 VTIP = 334.2
JTFAN = 11715.0 WTGR = 2042.2 WITS = 3880.3
WT AIRU = 17637.5
WT AIRI = 22046.9 WFUEL = 2654.9 WT TIP GEAR = 1500.
WT MAIN GEAR = 84942. WT WING = 265845.
WT SYS = 26206. WT STRUCT = 312857.
TOTAL WEIGHT = 339113. DEL WT = -12370.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.5
LIFT = 112350.0 L/A = 53.047 M/W = .178 HP = 10277.734
PJ = 120.414 QJ = 46944.506 A = 3.579
SHP/ENG = 7186.0 SHP TOTAL = 57487.8
NO FAN = 90.3 NO/SEG = 20.6 LIMIT/SEG = 9.3 VTIP = 402.3
JTFAN = 16333.0 WTGR = 2606.1 WITS = 6711.7
WT AIRU = 24150.9
WT AIRI = 32444.4 WFUEL = 4599.0 WT TIP GEAR = 2250.
WT MAIN GEAR = 48299. WT WING = 254704.
WT SYS = 39538. WT STRUCT = 249005.
TOTAL WEIGHT = 338593. DEL WT = -12840.

FRACTION OF GW/SIDE = .0960 CUSH HT = 53.8 GEAR HT = 100.0
LIFT = 143808.0 L/A = 60.700 M/W = .154 HP = 15544.789
PJ = 147.454 QJ = 51342.628 A = 3.026
SHP/ENG = 9624.3 SHP TOTAL = 74992.8
NO FAN = 89.2 NO/SEG = 20.3 LIMIT/SEG = 9.3 VTIP = 445.2
JTFAN = 20372.6 WTGR = 2843.3 WITS = 8988.9
WT AIRU = 32244.8
WT AIRI = 40305.9 WFUEL = 6159.4 WT TIP GEAR = 2880.
WT MAIN GEAR = 41747. WT WING = 249700.
WT SYS = 49345. WT STRUCT = 291487.
TOTAL WEIGHT = 340792. DEL WT = -10591.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.2 GEAR HT = 78.0
LIFT = 194740.0 L/A = 109.282 M/W = .137 HP = 18911.564
PJ = 182.916 QJ = 55450.719 A = 4.397
SHP/ENG = 12942.8 SHP TOTAL = 103542.1
NO FAN = 86.9 NO/SEG = 19.7 LIMIT/SEG = 9.3 VTIP = 495.9
JTFAN = 24548.9 WTGR = 3140.0 WITS = 12248.5
WT AIRU = 39827.4
WT AIRI = 49784.3 WFUEL = 8293.4 WT TIP GEAR = 3900.
WT MAIN GEAR = 37471. WT WING = 287000.
WT SYS = 61469. WT STRUCT = 264571.
TOTAL WEIGHT = 346439. DEL WT = -4544.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
LIFT = 224700.0 L/A = 126.094 M/W = .118 HP = 20147.644

PJ = 196.915 QJ = -5274.091 A = 4.950
 SHP/ENG = 14076.8 SHP TOTAL = 112694.6
 NO FAN = 84.6 NO/SEG = 19.2 LIMIT/SEG = 9.3 VTIP = 514.5
 WIFAN = 25904.1 WTGB = 3206.5 WITS = 13157.1
 WT AIRU = 42167.7
 WT AIRI = 52709.6 WFUEL = 9015.6 WT TIP GEAR = 4500.
 WT MAIN GEAR = 75490. WT WING = 247225.
 WT SYS = 66225. WT STRUCT = 283115.
 TOTAL WEIGHT = 349340. DEL WT = -2043.

T = 10.0 INCHES T/W = .030303
 THETA = 45.0 DEGREES 303 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8
 LIFT = 37450.0 L/A = 21.016 H/W = .198 HP = 2072.148
 PJ = 41.455 QJ = 27472.626 A = 3.483
 SHP/ENG = 1448.8 SHP TOTAL = 11590.5
 NO FAN = 90.0 NO/SEG = 20.5 LIMIT/SEG = 9.3 VTIP = 235.2
 WIFAN = 5782.1 WTGB = 1113.2 WITS = 1353.2
 WT AIRU = 8248.5
 WT AIRI = 10310.6 WFUEL = 927.2 WT TIP GEAR = 753.
 WT MAIN GEAR = 49122. WT WING = 278778.
 WT SYS = 11498. WT STRUCT = 327900.
 TOTAL WEIGHT = 339465. DEL WT = -11495.

FRACTION OF SW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0
 LIFT = 74900.0 L/A = 42.031 H/W = .190 HP = 5647.998
 PJ = 81.231 QJ = 38241.691 A = 3.593
 SHP/ENG = 3999.0 SHP TOTAL = 31541.7
 NO FAN = 89.5 NO/SEG = 20.4 LIMIT/SEG = 9.3 VTIP = 320.5
 WIFAN = 11262.6 WTGB = 1981.0 WITS = 3888.3
 WT AIRU = 16931.9
 WT AIRI = 21164.8 WFUEL = 2527.3 WT TIP GEAR = 1503.
 WT MAIN GEAR = 46942. WT WING = 255865.
 WT SYS = 25142. WT STRUCT = 312807.
 TOTAL WEIGHT = 338000. DEL WT = -13383.

FRACTION OF SW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 104.5
 LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 9732.557
 PJ = 117.501 QJ = 45556.087 A = 3.795
 SHP/ENG = 6854.8 SHP TOTAL = 54838.4
 NO FAN = 88.7 NO/SEG = 20.2 LIMIT/SEG = 9.3 VTIP = 397.5
 WIFAN = 16136.5 WTGB = 2538.7 WITS = 6355.7
 WT AIRU = 25030.8
 WT AIRI = 31248.6 WFUEL = 4355.1 WT TIP GEAR = 2253.
 WT MAIN GEAR = 44299. WT WING = 254705.
 WT SYS = 37894. WT STRUCT = 294005.
 TOTAL WEIGHT = 336499. DEL WT = -14884.

FRACTION OF SW/SIDE = .0940 CUSH HT = 53.8 GEAR HT = 100.0
 LIFT = 143904.0 L/A = 80.700 H/W = .163 HP = 12977.822
 PJ = 143.619 QJ = 49699.650 A = 4.076
 SHP/ENG = 9073.8 SHP TOTAL = 72590.6
 NO FAN = 87.5 NO/SEG = 19.9 LIMIT/SEG = 9.3 VTIP = 432.4

WTFAN = 19452.5 WTGR = 2814.1 WTS = 4474.9

WT AIRU = 30751.5

WT AIRI = 38439.4 WFUEL = 5807.2 WT TIP GEAR = 2880.

WT MAIN GEAR = 91787. WT WING = 289700.

WT SYS = 47127. WT STRUCT = 291447.

TOTAL WEIGHT = 338573. DEL WT = -12510.

FRACTION OF GW/SIDE = .1300 CUSH HT = 45.1 GEAR HT = 72.0

LIFT = 194740.0 L/A = 109.282 M/W = .137 HP = 17327.272

PJ = 177.721 QJ = 53623.245 A = 4.726

SHP/ENG = 12114.9 SHP TOTAL = 96918.9

NO FAN = 84.8 NO/SEG = 19.2 LIMIT/SEG = 9.3 VTIP = 188.8

WTFAN = 23359.5 WTGB = 3061.4 WTS = 11315.5

WT AIRU = 37736.1

WT AIRI = 87170.2 WFUEL = 7751.5 WT TIP GEAR = 3033.

WT MAIN GEAR = 77671. WT WING = 297000.

WT SYS = 58424. WT STRUCT = 284871.

TOTAL WEIGHT = 383695. DEL WT = -7549.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0

LIFT = 224700.0 L/A = 126.094 M/W = .114 HP = 18776.754

PJ = 191.187 QJ = 54016.243 A = 5.354

SHP/ENG = 13128.3 SHP TOTAL = 105026.5

NO FAN = 82.4 NO/SEG = 18.6 LIMIT/SEG = 9.3 VTIP = 507.0

WTFAN = 24405.8 WTGB = 3117.6 WTS = 12261.8

WT AIRU = 39745.3

WT AIRI = 49731.6 WFUEL = 8402.1 WT TIP GEAR = 4503.

WT MAIN GEAR = 75890. WT WING = 217225.

WT SYS = 62634. WT STRUCT = 283115.

TOTAL WEIGHT = 345748. DEL WT = -5695.

T = 10.0 INCHES T/W = .030303

THETA = 60.0 DEGREES 30% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 65.3 GEAR HT = 132.8

LIFT = 37450.0 L/A = 21.016 M/W = .198 HP = 2074.282

PJ = 91.854 QJ = 27258.175 A = 3.538

SHP/ENG = 1450.3 SHP TOTAL = 11602.4

NO FAN = 88.9 NO/SEG = 20.2 LIMIT/SEG = 9.3 VTIP = 237.2

WTFAN = 5762.4 WTGB = 1109.8 WTS = 1358.4

WT AIRU = 8226.4

WT AIRI = 10283.6 WFUEL = 928.2 WT TIP GEAR = 750.

WT MAIN GEAR = 8912. WT WING = 278778.

WT SYS = 11962. WT STRUCT = 327900.

TOTAL WEIGHT = 439462. DEL WT = -11521.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.8 GEAR HT = 126.0

LIFT = 74900.0 L/A = 42.031 M/W = .190 HP = 5038.329

PJ = 81.830 QJ = 37896.550 A = 3.655

SHP/ENG = 3902.2 SHP TOTAL = 31537.6

NO FAN = 88.4 NO/SEG = 20.1 LIMIT/SEG = 9.3 VTIP = 331.7

WTFAN = 11202.0 WTGB = 1472.2 WTS = 3682.0

WT AIRU = 16856.2

WT AIRI = 21070.3 WFUEL = 2521.0 WT TIP GEAR = 1500.

WT MAIN GEAR = 46942. WT WING = 265855.
WT SYS = 25093. WT STRUCT = 312857.
TOTAL WEIGHT = 337901. DEL WT = -23482.

FRACTION OF GW/SIDE = .0750 CUSH HT = 58.7 GEAR HT = 114.9
LIFT = 112350.0 L/A = 63.047 H/W = .178 HP = 9672.608
PJ = 118.085 QJ = 15052.294 A = 3.875
SHP/ENG = 6742.9 SHP TOTAL = 54193.6
NO FAN = 87.5 NO/SEG = 19.9 LIMIT/SEG = 9.3 VTIP = 398.4
JTFAN = 15997.6 WTGB = 2523.4 WITS = 6316.6
WT AIRU = 24937.6
WT AIRI = 31096.9 WFUEL = 4324.3 WT TIP GEAR = 2250.

WT MAIN GEAR = 44299. WT WING = 254706.
WT SYS = 37625. WT STRUCT = 299005.
TOTAL WEIGHT = 336531. DEL WT = -34752.

FRACTION OF GW/SIDE = .0950 CUSH HT = 53.9 GEAR HT = 100.0
LIFT = 143808.0 L/A = 80.700 H/W = .163 HP = 12830.432
PJ = 143.940 QJ = 49025.427 A = 4.183
SHP/ENG = 8970.8 SHP TOTAL = 71746.2
NO FAN = 86.2 NO/SEG = 14.6 LIMIT/SEG = 9.3 VTIP = 439.9
JTFAN = 19220.0 WTGB = 2792.9 WITS = 9378.7
WT AIRU = 30391.4
WT AIRI = 37989.5 WFUEL = 5741.3 WT TIP GEAR = 2880.
WT MAIN GEAR = 41747. WT WING = 249700.
WT SYS = 46611. WT STRUCT = 291887.
TOTAL WEIGHT = 338557. DEL WT = -13326.

FRACTION OF GW/SIDE = .1300 CUSH HT = 49.1 GEAR HT = 98.0
LIFT = 194740.0 L/A = 109.282 H/W = .137 HP = 16974.591
PJ = 177.372 QJ = 52644.703 A = 4.893
SHP/ENG = 11870.4 SHP TOTAL = 94953.0
NO FAN = 83.4 NO/SEG = 19.9 LIMIT/SEG = 9.3 VTIP = 488.3
JTFAN = 22910.4 WTGB = 3030.3 WITS = 11046.9
WT AIRU = 37027.8
WT AIRI = 46284.5 WFUEL = 7597.0 WT TIP GEAR = 3900.
WT MAIN GEAR = 37871. WT WING = 247000.
WT SYS = 57752. WT STRUCT = 284871.
TOTAL WEIGHT = 342653. DEL WT = -8730.

FRACTION OF GW/SIDE = .1500 CUSH HT = 39.0 GEAR HT = 53.0
LIFT = 224700.0 L/A = 126.094 H/W = .118 HP = 18291.121
PJ = 190.384 QJ = 52841.261 A = 5.540
SHP/ENG = 12755.6 SHP TOTAL = 102310.2
NO FAN = 80.4 NO/SEG = 19.2 LIMIT/SEG = 9.3 VTIP = 525.9
JTFAN = 23824.7 WTGB = 3078.6 WITS = 11944.7
WT AIRU = 39844.0
WT AIRI = 48562.0 WFUEL = 9144.8 WT TIP GEAR = 4500.
WT MAIN GEAR = 35390. WT WING = 247225.
WT SYS = 61245. WT STRUCT = 263115.
TOTAL WEIGHT = 344350. DEL WT = -7023.

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REF. T. 24040

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000001	000	1498000.	2376.	3.142	330.		
000002	000	0605280A0A00			002 SEMISPAN		
000003	000	.025	.050	.075	.10	.112	.15
000004	000	74.7	72.	58.	52.7	59.5	45.0
000005	000	2.	4.	6.	8.	10.	
000006	000	15.	30.	45.	60.		
000007	000	.025	.050	.075	.10	.112	.15
000008	000	133.4	127.5	118.4	105.6	98.	69.2
000009	000	.025	.050	.075	.10	.112	.15
000010	000	28032P.	268R63.	259060.	249291.	247500.	247576.

END ELT.

TASK UNITS: 0

PGM SIZE: 6144

EXOT

GW = 1499000.000 LBS CUSHION AREA = 2376.0 SQUARE FEET
SWEEP = 40.0 DEGREES L/W = 3.142 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061
THETA = 15.0 DEGREES NOX SPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.0

LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 4362.912

PJ = 162.125 QJ = 14800.942 A = 2.930

SHP/ENG = 3050.5 SHP TOTAL = 24403.7

NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 466.9

WTFAN = 6158.2 WTGR = 1206.8 WTIS = 2849.1

WT AIRU = 10214.1

WT AIRI = 12767.6 WFUEL = 1952.3 WT TIP GEAR = 750.0

WT MAIN GEAR = 49208. WT WING = 290328.

WT SYS = 35470. WT STRUCT = 324576.

TOTAL WEIGHT = 345005. DEL WT = -6378.

FRACTION OF SW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5

LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 11904.042

PJ = 316.598 QJ = 20673.379 A = 3.004

SHP/ENG = 8373.1 SHP TOTAL = 66584.5

NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 652.5

WTFAN = 12021.9 WTGR = 2017.0 WTIS = 7773.7

WT AIRU = 21812.7

WT AIRI = 27265.9 WFUEL = 5326.8 WT TIP GEAR = 1509.

WT MAIN GEAR = 47141. WT WING = 268863.

WT SYS = 34093. WT STRUCT = 316004.

TOTAL WEIGHT = 350097. DEL WT = -1285.

FRACTION OF SW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 180.0

LIFT = 112350.0 L/A = 47.205 H/W = .206 HP = 20669.472

PJ = 457.756 QJ = 24828.961 A = 3.124

SHP/ENG = 14448.3 SHP TOTAL = 115566.4

NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 784.5

WTFAN = 17358.6 WTGR = 2530.0 WTIS = 13444.7

WT AIRU = 33383.3

WT AIRI = 41729.1 WFUEL = 9246.9 WT TIP GEAR = 2252.

WT MAIN GEAR = 44762. WT WING = 258000.

WT SYS = 53226. WT STRUCT = 302762.

TOTAL WEIGHT = 355488. DEL WT = 4505.

FRACTION OF SW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5

LIFT = 149400.0 L/A = 63.047 H/W = .190 HP = 29310.300

PJ = 578.475 QJ = 27647.517 A = 3.306

SHP/ENG = 20403.1 SHP TOTAL = 163945.2

NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 881.9

WTFAN = 21901.8 WTGR = 3046.0 WTIS = 19140.6

WT AIRU = 44104.5

WT AIRI = 55135.6 WFUEL = 13115.6 WT TIP GEAR = 3000.

WT MAIN GEAR = 42122. WT WING = 249291.

WT SYS = 71251. WT STRUCT = 291413.

TOTAL WEIGHT = 362664. DEL WT = 11281.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 99.0
 LIFT = 157776.0 L/A = 70.613 M/W = .190 HP = 32918.634
 PJ = 625.480 QJ = 28996.156 A = 3.432
 SHP/ENG = 23016.0 SHP TOTAL = 188128.2
 NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 917.0
 WIFAN = 23555.8 WTGB = 7374.0 WITS = 21497.0
 WT AIRU = 84526.8
 WT AIRI = 50658.5 WFUEL = 14730.3 WT TIP GEAR = 336.0
 WT MAIN GEAR = 90814. WT WING = 247500.
 WT SYS = 78789. WT STRUCT = 288318.
 TOTAL WEIGHT = 367763. DEL WT = 15680.

FRACTION OF GW/SIDE = .1500 CUSH HT = 98.0 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 90.571 M/W = .145 HP = 406116963
 PJ = 721.937 QJ = 30939.811 A = 4.023
 SHP/ENG = 28355.0 SHP TOTAL = 227150.3
 NO FAN = 24.3 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 985.2
 WIFAN = 27168.8 WTGB = 9306.8 WITS = 26521.0
 WT AIRU = 57992.4
 WT AIRI = 72490.5 WFUEL = 18172.8 WT TIP GEAR = 4500.
 WT MAIN GEAR = 34816. WT WING = 287576.
 WT SYS = 95163. WT STRUCT = 284322.
 TOTAL WEIGHT = 379555. DEL WT = 28172.

THETA = 30.0 DEGREES T/W = .006061 908 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 3835.686
 PJ = 149.107 QJ = 14198.879 A = 3.293
 SHP/ENG = 2681.8 SHP TOTAL = 21454.4
 NO FAN = 24.5 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 437.7
 WIFAN = 5645.4 WTGB = 1117.4 WITS = 2504.8
 WT AIRU = 9267.6
 WT AIRI = 11584.5 WFUEL = 1715.4 WT TIP GEAR = 753.
 WT MAIN GEAR = 49208. WT WING = 290328.
 WT SYS = 14051. WT STRUCT = 329536.
 TOTAL WEIGHT = 383586. DEL WT = -7797.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 M/W = .217 HP = 10438.606
 PJ = 290.706 QJ = 19740.229 A = 3.293
 SHP/ENG = 7295.1 SHP TOTAL = 58360.8
 NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 625.2
 WIFAN = 10998.1 WTGB = 1901.7 WITS = 6813.6
 WT AIRU = 19713.5
 WT AIRI = 24641.8 WFUEL = 4668.9 WT TIP GEAR = 1509.
 WT MAIN GEAR = 87141. WT WING = 258863.
 WT SYS = 30411. WT STRUCT = 31600.
 TOTAL WEIGHT = 346415. DEL WT = -4569.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.0
 LIFT = 112350.0 L/A = 47.285 M/W = .206 HP = 18029.660
 PJ = 418.961 QJ = 23668.927 A = 3.437

SHP/ENG = 12676.0 SHP TOTAL = 100947.7
 NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 750.5
 WIFAN = 15630.8 WTGR = 2388.0 WITS = 11774.0
 WT AIRU = 29992.8
 WT AIRI = 37441.1 WFUEL = 8067.8 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44762. WT WING = 258000.
 WT SYS = 47809. WT STRUCT = 322762.
 TOTAL WEIGHT = 350571. DEL WT = -812.

FRACTION OF SW/SIDE = .1000 CUSH HT = 52.7 GEAR HT = 105.5
 LIFT = 149800.0 L/A = 63.047 H/W = .193 HP = 25413.518
 PJ = 527.353 QJ = 26504.978 A = 3.555

SHP/ENG = 17768.6 SHP TOTAL = 142146.8
 NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 842.0
 WIFAN = 19889.2 WTGR = 2796.8 WITS = 16595.9
 WT AIRU = 39281.9
 WT AIRI = 49102.3 WFUEL = 11371.9 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42.22. WT WING = 244291.
 WT SYS = 63474. WT STRUCT = 291413.
 TOTAL WEIGHT = 354487. DEL WT = 3504.

FRACTION OF SW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0
 LIFT = 167775.0 L/A = 70.613 H/W = .183 HP = 24431.754

PJ = 568.913 QJ = 27441.403 A = 3.805
 SHP/ENG = 19878.9 SHP TOTAL = 159031.1

NO FAN = 24.3 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 874.5
 WIFAN = 21425.0 WTGR = 2998.1 WITS = 14566.9
 WT AIRU = 42940.1
 WT AIRI = 53737.6 WFUEL = 12722.5 WT TIP GEAR = 3360.

WT MAIN GEAR = 40814. WT WING = 247500.
 WT SYS = 69820. WT STRUCT = 288314.
 TOTAL WEIGHT = 358134. DEL WT = 6751.

FRACTION OF SW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 94.571 H/W = .145 HP = 34571.783

PJ = 650.645 QJ = 29224.062 A = 4.509
 SHP/ENG = 24171.9 SHP TOTAL = 193375.0

NO FAN = 24.2 NO/SEG = 4.0 LIMIT/SEG = 12.3 VTIP = 935.3
 WIFAN = 24358.6 WTGR = 3534.7 WITS = 22576.5
 WT AIRU = 50469.8

WT AIRI = 63087.3 WFUEL = 15470.0 WT TIP GEAR = 4000.
 WT MAIN GEAR = 36816. WT WING = 247576.
 WT SYS = 83057. WT STRUCT = 284302.
 TOTAL WEIGHT = 367449. DEL WT = 16065.

Y = 2.0 INCHES Y/D = .006061
 THETA = 45.0 DEGREES 40% SEMISPAN

FRACTION OF SW/SIDE = .1250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 1578.422

PJ = 142.629 QJ = 13798.972 A = 3.371
 SHP/ENG = 2502.0 SHP TOTAL = 20015.7

NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 457.9
 WIFAN = 5385.1 WTGR = 1071.0 WITS = 2336.8

WT AIRU = 9792.9
 WT AIRI = 10991.1 WFUEL = 1601.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 49208. WT WING = 240328.
 WT SYS = 13392. WT STRUCT = 329536.
 TOTAL WEIGHT = 342978. DEL WT = -4595.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.9
 LIFT = 74900.0 L/A = 31.524 4/A = .218 HP = 97046044
 PJ = 277.523 QJ = 19231.689 A = 3.871
 SHP/ENG = 6744.9 SHP TOTAL = 54278.9
 NO FAN = 24.4 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 613.8
 JTFAN = 10849.0 WTGB = 938.3 WTIS = 4337.1
 WT AIRU = 18644.9 WT AIRI = 23305.5 WFUEL = 4342.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47191. WT WING = 268863.
 WT SYS = 24144. WT STRUCT = 316004.
 TOTAL WEIGHT = 345152. DEL WT = -6231.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4
 LIFT = 112350.0 L/A = 47.285 4/A = .206 HP = 166904696
 PJ = 394.767 QJ = 23070.669 A = 3.634
 SHP/ENG = 11549.4 SHP TOTAL = 93358.3
 NO FAN = 24.3 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 732.2
 JTFAN = 12021.6 WTGB = 2313.5 WTIS = 10999.6
 WT AIRU = 28234.8
 WT AIRI = 35293.5 WFUEL = 7968.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44762. WT WING = 259000.
 WT SYS = 45012. WT STRUCT = 302752.
 TOTAL WEIGHT = 347774. DEL WT = -3609.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.9
 LIFT = 149800.0 L/A = 63.047 4/A = .190 HP = 23378.135
 PJ = 499.914 QJ = 25720.387 A = 3.891
 SHP/ENG = 16385.5 SHP TOTAL = 130754.0
 NO FAN = 24.3 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 819.8
 JTFAN = 18741.7 WTGB = 2674.8 WTIS = 15266.7
 WT AIRU = 36733.1
 WT AIRI = 45916.4 WFUEL = 10461.1 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42122. WT WING = 249291.
 WT SYS = 59379. WT STRUCT = 291413.
 TOTAL WEIGHT = 350790. DEL WT = -503.4.

FRACTION OF GW/SIDE = .1120 CUSH HT = 50.5 GEAR HT = 98.0
 LIFT = 157776.0 L/A = 70.613 4/A = .180 HP = 26053.209
 PJ = 537.895 QJ = 25674.495 A = 4.052
 SHP/ENG = 18215.9 SHP TOTAL = 145726.9
 NO FAN = 24.2 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 853.4
 JTFAN = 20199.2 WTGB = 2634.8 WTIS = 17413.6
 WT AIRU = 40037.6
 WT AIRI = 50047.0 WFUEL = 11654.2 WT TIP GEAR = 3360.
 WT MAIN GEAR = 30414. WT WING = 247500.
 WT SYS = 65065. WT STRUCT = 288314.
 TOTAL WEIGHT = 353379. DEL WT = 1996.

FRACTION OF GW/SIDE = .1500 CUSH HT = 68.0 GEAR HT = 450.0
 LIFT = 224700.0 L/A = 94.571 M/W = .145 HP = 31227.512
 PJ = 609.745 QJ = 28157.750 A = 4.953
 SHP/ENG = 21873.6 SHP TOTAL = 174669.0
 NO FAN = 24.1 NO/SEG = 4.0 LIMIT/SEG = 12.3 VTIP = 905.4
 WIFAN = 22726.3 WTGB = 3213.5 WITS = 20392.0
 WT AIRU = 46334.6
 WT AIRI = 57918.3 WFUEL = 13973.5 WT TIP GEAR = 450.0
 WT MAIN GEAR = 7684.6 WT WING = 24757.4
 WT SYS = 76392.0 WT STRUCT = 264392.0
 TOTAL WEIGHT = 360783.0 DEL WT = 9400.0

T = 2.0 INCHES T/W = .006061
 THETA = 40.0 DEGREES 403 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 35296203
 PJ = 141.520 QJ = 13715.814 A = 3.412
 SHP/ENG = 2467.5 SHP TOTAL = 19740.4
 NO FAN = 24.3 NO/SEG = 4.0 LIMIT/SEG = 12.3 VTIP = 36.2
 WIFAN = 5331.6 WTGB = 1061.5 WITS = 2344.7
 WT AIRU = 4697.9
 WT AIRI = 10472.4 WFUEL = 1574.2 WT TIP GEAR = 75.0
 WT MAIN GEAR = 4920.8 WT WING = 28032.0
 WT SYS = 13202.0 WT STRUCT = 329536.0
 TOTAL WEIGHT = 342737.0 DEL WT = -8690.0

FRACTION OF GW/SIDE = .0350 CUSH HT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 M/W = .210 HP = 9550221.4
 PJ = 274.776 QJ = 19095.799 A = 3.521
 SHP/ENG = 6669.6 SHP TOTAL = 53356.4
 NO FAN = 24.3 NO/SEG = 4.1 LIMIT/SEG = 12.3 VTIP = 607.8
 WIFAN = 10342.4 WTGB = 1822.7 WITS = 6229.4
 WT AIRU = 24594.5
 WT AIRI = 22993.1 WFUEL = 4264.5 WT TIP GEAR = 150.0
 WT MAIN GEAR = 47141.1 WT WING = 268863.0
 WT SYS = 28762.0 WT STRUCT = 316004.0
 TOTAL WEIGHT = 344766.0 DEL WT = -6617.0

FRACTION OF GW/SIDE = .0750 CUSH HT = 88.0 GEAR HT = 118.0
 LIFT = 112350.0 L/A = 47.285 M/W = .206 HP = 16326.230
 PJ = 393.558 QJ = 22816.038 A = 3.699
 SHP/ENG = 11415.0 SHP TOTAL = 91319.7
 NO FAN = 24.3 NO/SEG = 4.0 LIMIT/SEG = 12.3 VTIP = 727.4
 WIFAN = 14740.6 WTGB = 7296.1 WITS = 10561.4
 WT AIRU = 27744.2
 WT AIRI = 34640.2 WFUEL = 7305.6 WT TIP GEAR = 225.0
 WT MAIN GEAR = 44762.0 WT WING = 258000.0
 WT SYS = 44236.0 WT STRUCT = 302752.0
 TOTAL WEIGHT = 346498.0 DEL WT = -4385.0

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
 LIFT = 142800.0 L/A = 63.047 M/W = .190 HP = 22716.102

PJ = 491.257 QJ = 23471.929 A = 3.949

SHP/ENG = 15882.6 SHP TOTAL = 227051.0

NO FAN = 24.2 NO/SEG = 9.1 LIMIT/SEG = 12.3 VIIP = 812.7

JIFAN = 18419.5 WIGB = 2636.4 WITS = 19839.4

WT AIRU = 35890.2

WT AIRI = 44852.9 WFUEL = 10164.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 92122. WT WING = 249291.

WT SYS = 58020. WT STRUCT = 291413.

TOTAL WEIGHT = 349940. DEL WT = -1943.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0

LIFT = 157776.0 L/A = 70.613 M/W = 180 HP = 25212.579

PJ = 527.198 QJ = 26303.075 A = 4.198

SHP/ENG = 17528.1 SHP TOTAL = 141024.9

NO FAN = 24.2 NO/SEG = 9.0 LIMIT/SEG = 12.3 VIIP = 841.9

JIFAN = 19734.9 WIGB = 2781.0 WITS = 16464.7

WT AIRU = 38980.5

WT AIRI = 48725.6 WFUEL = 11282.0 WT TIP GEAR = 3360.

WT MAIN GEAR = 40814. WT WING = 247500.

WT SYS = 63368. WT STRUCT = 288314.

TOTAL WEIGHT = 351582. DEL WT = 299.

FRACTION OF GW/SIDE = .1500 CUSH HT = 49.0 GEAR HT = 49.2

LIFT = 224700.0 L/A = 94.571 M/W = 145 HP = 29772.352

PJ = 591.970 QJ = 27661.538 A = 5.032

SHP/ENG = 20816.2 SHP TOTAL = 166529.6

NO FAN = 24.0 NO/SEG = 9.0 LIMIT/SEG = 12.3 VIIP = 892.1

JIFAN = 21992.1 WIGB = 3092.8 WITS = 19442.3

WT AIRU = 44527.2

WT AIRI = 55659.0 WFUEL = 13322.4 WT TIP GEAR = 4384.0

WT MAIN GEAR = 36816. WT WING = 247576.

WT SYS = 73401. WT STRUCT = 284372.

TOTAL WEIGHT = 357973. DEL WT = 6490.

T = 4.0 INCHES Y/W = .012121

THETA = 15.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.0

LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 3190.198

PJ = 83.937 QJ = 20928.725 A = 2.930

SHP/ENG = 2230.5 SHP TOTAL = 17844.2

NO FAN = 48.2 NO/SEG = 10.1 LIMIT/SEG = 12.3 VIIP = 335.7

JIFAN = 6261.8 WIGB = 1208.1 WITS = 2083.1

WT AIRU = 9553.3

WT AIRI = 11941.6 WFUEL = 1427.5 WT TIP GEAR = 750.

WT MAIN GEAR = 49204. WT WING = 291324.

WT SYS = 14119. WT STRUCT = 329536.

TOTAL WEIGHT = 343655. DEL WT = -7723.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5

LIFT = 74900.0 L/A = 31.524 M/W = .218 HP = 8715.206

PJ = 163.976 QJ = 29232.112 A = 3.004

SHP/ENG = 6003.5 SHP TOTAL = 48747.9

NO FAN = 48.2 NO/SEG = 10.0 LIMIT/SEG = 12.3 VIIP = 860.9

WTFAN = 12231.8 WTGR = 2068.3 WTS = 5691.3

WT AIRU = 19991.5

WT AIRI = 24985.3 WFUEL = 3899.8 WT TIP GEAR = 1509.

WT MAIN GEAR = 47141. WT WING = 258863.

WT SYS = 30389. WT STRUCT = 316004.

TOTAL WEIGHT = 346393. DEL WT = -4990.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4

LIFT = 112350.0 L/A = 47.285 M/W = .206 HP = 15159.782

PJ = 237.497 QJ = 35107.307 A = 3.124

SHP/ENG = 10509.4 SHP TOTAL = 84795.2

NO FAN = 48.1 NO/SEG = 10.0 LIMIT/SEG = 12.3 VTIP = 565.1

WTFAN = 17679.4 WTGR = 2577.2 WTS = 9899.8

WT AIRU = 30156.4

WT AIRI = 37695.4 WFUEL = 6783.6 WT TIP GEAR = 2253.

WT MAIN GEAR = 44762. WT WING = 258000.

WT SYS = 46724. WT STRUCT = 302762.

TOTAL WEIGHT = 349492. DEL WT = -1892.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5

LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 21568.703

PJ = 301.065 QJ = 39402.719 A = 3.306

SHP/ENG = 15090.4 SHP TOTAL = 120543.1

NO FAN = 47.9 NO/SEG = 10.0 LIMIT/SEG = 12.3 VTIP = 636.2

WTFAN = 22340.7 WTGR = 2922.7 WTS = 14085.1

WT AIRU = 39348.5

WT AIRI = 49185.6 WFUEL = 9651.4 WT TIP GEAR = 3003.

WT MAIN GEAR = 42122. WT WING = 240291.

WT SYS = 51837. WT STRUCT = 291913.

TOTAL WEIGHT = 355250. DEL WT = -1867.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0

LIFT = 167776.0 L/A = 70.613 M/W = .180 HP = 24275.498

PJ = 326.228 QJ = 40026.936 A = 3.432

SHP/ENG = 16972.4 SHP TOTAL = 135783.4

NO FAN = 47.6 NO/SEG = 10.0 LIMIT/SEG = 12.3 VTIP = 662.3

WTFAN = 24155.2 WTGR = 3073.7 WTS = 15852.7

WT AIRU = 43081.6

WT AIRI = 53852.0 WFUEL = 10862.7 WT TIP GEAR = 3363.

WT MAIN GEAR = 40814. WT WING = 247500.

WT SYS = 68075. WT STRUCT = 288310.

TOTAL WEIGHT = 356389. DEL WT = 5006.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2

LIFT = 224700.0 L/A = 94.571 M/W = .145 HP = 35248.006

PJ = 340.343 QJ = 43740.530 A = 4.023

SHP/ENG = 21148.4 SHP TOTAL = 169140.2

NO FAN = 47.3 NO/SEG = 9.8 LIMIT/SEG = 12.3 VTIP = 715.1

WTFAN = 27874.8 WTGR = 3446.3 WTS = 19753.0

WT AIRU = 51124.1

WT AIRI = 63905.1 WFUEL = 13535.2 WT TIP GEAR = 4503.

WT MAIN GEAR = 36816. WT WING = 247576.

WT SYS = 81940. WT STRUCT = 284392.

TOTAL WEIGHT = 366332. DEL WT = 10049.

T = 4.0 INCHES T/W = .012121
THETA = 30.0 DEGREES 908 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.0
LIFT = 37450.0 L/A = 15.742 H/W = .228 HP = 2822.573
PJ = 77.603 QJ = 20004.661 A = 3.207
SHP/ENG = 1973.5 SHP TOTAL = 15787.9
ND FAN = 47.9 ND/SEG = 10.0 LIMIT/SEG = 12.3 VTIP = 323.0
WTFAN = 5758.5 WTGR = 1119.8 WTS = 1843.2
WT AIRU = 8721.6
WT AIRI = 10902.0 WFUEL = 1261.0 WT TIP GEAR = 753.
WT MAIN GEAR = 49206. WT WING = 23058.
WT SYS = 12915. WT STRUCT = 329536.
TOTAL WEIGHT = 382450. DEL WT = -8933.

FRACTION OF SW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
LIFT = 74900.0 L/A = 31.924 H/W = .218 HP = 7689.409
PJ = 151.524 QJ = 27910.866 A = 3.295
SHP/ENG = 5374.3 SHP TOTAL = 43010.2
ND FAN = 47.9 ND/SEG = 10.0 LIMIT/SEG = 12.3 VTIP = 451.3
WTFAN = 11226.8 WTGR = 1948.0 WTS = 5021.4
WT AIRU = 18194.2
WT AIRI = 22745.2 WFUEL = 3440.0 WT TIP GEAR = 1503.
WT MAIN GEAR = 47141. WT WING = 268863.
WT SYS = 27486. WT STRUCT = 316008.
TOTAL WEIGHT = 343690. DEL WT = -7593.

FRACTION OF SW/SIDE = .0750 CUSH HT = 64.7 GEAR HT = 134.0
LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 13319.380
PJ = 218.907 QJ = 33848.667 A = 3.837
SHP/ENG = 9312.6 SHP TOTAL = 74501.1
ND FAN = 47.7 ND/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 542.5
WTFAN = 16179.2 WTGR = 2455.6 WTS = 8698.3
WT AIRU = 27332.8
WT AIRI = 34166.0 WFUEL = 5960.1 WT TIP GEAR = 2253.
WT MAIN GEAR = 48762. WT WING = 258000.
WT SYS = 42376. WT STRUCT = 302762.
TOTAL WEIGHT = 345138. DEL WT = -6245.

FRACTION OF SW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
LIFT = 149900.0 L/A = 63.047 H/W = .198 HP = 18843.011
PJ = 276.564 QJ = 37472.870 A = 7.555
SHP/ENG = 13174.6 SHP TOTAL = 105397.1
ND FAN = 47.6 ND/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 600.4
WTFAN = 20363.6 WTGR = 2774.6 WTS = 12305.1
WT AIRU = 35443.4
WT AIRI = 44304.2 WFUEL = 9831.8 WT TIP GEAR = 3303.
WT MAIN GEAR = 82122. WT WING = 249291.
WT SYS = 55736. WT STRUCT = 291413.
TOTAL WEIGHT = 387149. DEL WT = -9234.

FRACTION OF SW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0

LIFT = 167776.0 L/A = 70.513 H/W = .180 HP = 21139.113

PJ = 299.069 QJ = 38866.428 A = 3.805

SHP/ENG = 14776.5 SHP TOTAL = 118212.2

NO FAN = 47.4 NO/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 639.1

WTFAN = 21963.5 WTGR = 2893.6 WTIS = 13801.3

WT AIRU = 39659.3

WT AIRI = 48322.9 WFUEL = 9857.0 WT TIP GEAR = 3362.

WT MAIN GEAR = 40814. WT WING = 247500.

WT SYS = 61140. WT STRUCT = 288314.

TOTAL WEIGHT = 399454. DEL WT = -1324.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2

LIFT = 224700.0 L/A = 94.571 H/W = .195 HP = 16892.609

PJ = 346.206 QJ = 41309.036 A = 4.509

SHP/ENG = 18190.5 SHP TOTAL = 145443.8

NO FAN = 46.4 NO/SEG = 9.7 LIMIT/SEG = 12.3 VTIP = 682.2

WTFAN = 25116.1 WTGR = 3149.9 WTIS = 16940.6

WT AIRU = 45265.5

WT AIRI = 56583.2 WFUEL = 11635.5 WT TIP GEAR = 4509.

WT MAIN GEAR = 76816. WT WING = 217576.

WT SYS = 72719. WT STRUCT = 284392.

TOTAL WEIGHT = 357110. DEL WT = 5727.

T = 4.0 INCHES

T/W = .012121

THETA = 45.0 DEGREES

40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.8

LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 2607.678

PJ = 74.641 QJ = 19529.621 A = 3.371

SHP/ENG = 1851.2 SHP TOTAL = 3489.6

NO FAN = 47.7 NO/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 516.0

WTFAN = 5507.8 WTGR = 1075.1 WTIS = 1729.0

WT AIRU = 8311.9

WT AIRI = 10389.9 WFUEL = 1184.8 WT TIP GEAR = 750.

WT MAIN GEAR = 59209. WT WING = 293328.

WT SYS = 12325. WT STRUCT = 329536.

TOTAL WEIGHT = 341860. DEL WT = -9523.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5

LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 7192.115

PJ = 145.482 QJ = 27190.101 A = 3.471

SHP/ENG = 5028.6 SHP TOTAL = 40228.6

NO FAN = 47.6 NO/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 492.3

WTFAN = 10716.6 WTGR = 1683.1 WTIS = 4596.7

WT AIRU = 17296.4

WT AIRI = 21629.5 WFUEL = 3244.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 47101. WT WING = 268863.

WT SYS = 26339. WT STRUCT = 316054.

TOTAL WEIGHT = 342343. DEL WT = -9040.

FRACTION OF GW/SIDE = .0750 CUSH HT = 69.0 GEAR HT = 118.4

LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 12404.602

PJ = 209.619 QJ = 32945.937 A = 3.634

SHP/ENG = 8672.7 SHP TOTAL = 69381.5

NO FAN = 47.4 NO/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 532.9
 WIFAN = 15397.6 WTGB = 2387.3 WITS = 8100.3
 WT AIRU = 25885.1
 WT AIRI = 32355.8 WFUEL = 5550.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44762. WT WING = 254000.
 WT SYS = 40157. WT STRUCT = 302752.
 TOTAL WEIGHT = 382919. DEL WT = -8844.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 109.5
 LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 17446.253
 PJ = 263.896 QJ = 36360.716 A = 3.841
 SHP/ENG = 12198.1 SHP TOTAL = 97588.1

NO FAN = 47.2 NO/SEG = 9.8 LIMIT/SEG = 12.5 VTIP = 595.8
 WIFAN = 19301.4 WTGB = 2696.5 WITS = 11395.0
 WT AIRU = 33390.9
 WT AIRI = 41739.6 WFUEL = 7806.8 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42122. WT WING = 240291.
 WT SYS = 52545. WT STRUCT = 291813.
 TOTAL WEIGHT = 343958. DEL WT = -7429.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0
 LIFT = 157776.0 L/A = 70.613 M/W = .180 HP = 19498.174
 PJ = 234.744 QJ = 37659.227 A = 4.052
 SHP/ENG = 13632.7 SHP TOTAL = 109061.7

NO FAN = 47.1 NO/SEG = 9.8 LIMIT/SEG = 12.3 VTIP = 619.7
 WIFAN = 20766.1 WTGB = 2803.5 WITS = 12733.0
 WT AIRU = 36302.5
 WT AIRI = 45379.1 WFUEL = 8724.9 WT TIP GEAR = 3360.
 WT MAIN GEAR = 30818. WT WING = 247500.
 WT SYS = 57469. WT STRUCT = 200744.
 TOTAL WEIGHT = 345777. DEL WT = -5606.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 94.571 M/W = .145 HP = 23684.311
 PJ = 327.211 QJ = 39810.253 A = 4.853
 SHP/ENG = 16549.6 SHP TOTAL = 132476.6

NO FAN = 46.4 NO/SEG = 9.6 LIMIT/SEG = 12.3 VTIP = 663.3
 WIFAN = 23531.5 WTGB = 3022.4 WITS = 15466.6
 WT AIRU = 42020.6
 WT AIRI = 52525.7 WFUEL = 10598.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 36816. WT WING = 247974.
 WT SYS = 67624. WT STRUCT = 284392.
 TOTAL WEIGHT = 352315. DEL WT = 632.

T = 4.0 INCHES I/W = .012121
 THETA = 60.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 2622.174
 PJ = 74.374 QJ = 19301.067 A = 2.412
 SHP/ENG = 1873.8 SHP TOTAL = 18667.3

NO FAN = 47.5 NO/SEG = 9.9 LIMIT/SEG = 12.3 VTIP = 316.8
 WIFAN = 5464.5 WTGB = 1067.4 WITS = 1712.4
 WT AIRU = 8289.3

WT AIRI = 10305.3 WFUEL = 1173.4 WT TIP GEAR = 752.
WT MAIN GEAR = 49208. WT WING = 290326.
WT SYS = 12229. WT STRUCT = 329536.
TOTAL WEIGHT = 391769. DEL WT = -9419.

FRACTION OF SW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 7100.505
PJ = 144.674 QJ = 26993.686 A = 3.521
SHP/ENG = 4964.5 SHP TOTAL = 39716.2
NO FAN = 47.4 NO/SEG = 9.8 LIMIT/SEG = 12.3 VTIP = 441.0
WTFAN = 10609.6 WTGR = 1869.1 WTS = 4636.9
WT AIRU = 17115.6

WT AIRI = 21394.4 WFUEL = 3177.3 WT TIP GEAR = 1350.
WT MAIN GEAR = 47141. WT WING = 268863.
WT SYS = 24672. WT STRUCT = 316004.
TOTAL WEIGHT = 342076. DEL WT = -9307.

FRACTION OF SW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4
LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 12108.783
PJ = 267.341 QJ = 32254.664 A = 3.499
SHP/ENG = 9522.1 SHP TOTAL = 68177.1
NO FAN = 47.2 NO/SEG = 9.8 LIMIT/SEG = 12.3 VTIP = 528.5
WTFAN = 15194.4 WTGR = 2349.6 WTS = 7959.7

WT AIRU = 25523.2
WT AIRI = 31904.0 WFUEL = 5454.2 WT TIP GEAR = 2259.
WT MAIN GEAR = 44762. WT WING = 258000.
WT SYS = 39608. WT STRUCT = 302762.
TOTAL WEIGHT = 342170. DEL WT = -9013.

FRACTION OF SW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
LIFT = 149800.0 L/A = 63.047 H/W = .198 HP = 17936.162
PJ = 260.534 QJ = 35950.350 A = 3.969
SHP/ENG = 11911.3 SHP TOTAL = 95290.6
NO FAN = 47.0 NO/SEG = 9.7 LIMIT/SEG = 12.3 VTIP = 591.9
WTFAN = 14965.3 WTGR = 2671.2 WTS = 11125.2
WT AIRU = 32761.7
WT AIRI = 40952.1 WFUEL = 7623.2 WT TIP GEAR = 3003.
WT MAIN GEAR = 42122. WT WING = 249291.
WT SYS = 51575. WT STRUCT = 291413.
TOTAL WEIGHT = 342988. DEL WT = -8395.

FRACTION OF SW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0
LIFT = 167775.0 L/A = 70.613 H/W = .180 HP = 19967.345
PJ = 260.582 QJ = 37100.000 A = 4.156
SHP/ENG = 13245.4 SHP TOTAL = 104092.6
NO FAN = 46.8 NO/SEG = 9.7 LIMIT/SEG = 12.3 VTIP = 614.2
WTFAN = 20350.7 WTGR = 2772.5 WTS = 12386.3
WT AIRU = 35509.5
WT AIRI = 44386.9 WFUEL = 8487.4 WT TIP GEAR = 3363.
WT MAIN GEAR = 40614. WT WING = 247500.
WT SYS = 56234. WT STRUCT = 268314.
TOTAL WEIGHT = 340549. DEL WT = -6894.

FRACTION OF GW/SIDE = .1500 CUSH WT = 49.2 GEAR WT = 69.2
 LIFT = 228700.0 L/A = 94.571 M/W = .145 HP = 22725.053
 PJ = 319.743 QJ = 39090.079 A = 5.032
 SHP/ENG = 15888.9 SHP TOTAL = 127111.1
 NO FAN = 46.1 NO/SEG = 9.5 LIMIT/SEG = 12.3 VTIP = 655.6
 WIFAN = 22940.6 WTGB = 2964.2 WITS = 14940.2
 WT AIRU = 43685.0
 WT AIRI = 50806.3 WFUEL = 10168.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 36816. WT WING = 207576.
 WT SYS = 65474. WT STRUCT = 384193.
 TOTAL WEIGHT = 349867. DEL WT = -1516.

THETA = 15.0 DEGREES 008 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH WT = 74.7 GEAR WT = 133.4
 LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 2693.114
 PJ = 57.920 QJ = 25626.318 A = 2.830
 SHP/ENG = 1883.0 SHP TOTAL = 15063.7
 NO FAN = 71.1 NO/SEG = 15.8 LIMIT/SEG = 12.3 VTIP = 278.5
 WIFAN = 6366.8 WTGB = 1220.0 WITS = 1758.7
 WT AIRU = 9345.1
 WT AIRI = 11681.4 WFUEL = 1204.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 89208. WT WING = 294328.
 WT SYS = 13636. WT STRUCT = 529536.
 TOTAL WEIGHT = 343172. DEL WT = -8211.

FRACTION OF GW/SIDE = .0500 CUSH WT = 72.0 GEAR WT = 187.5
 LIFT = 74900.0 L/A = 31.528 M/W = .218 HP = 7366.308
 PJ = 113.192 QJ = 95792.818 A = 3.000
 SHP/ENG = 9150.4 SHP TOTAL = 81202.9
 NO FAN = 71.0 NO/SEG = 15.7 LIMIT/SEG = 12.3 VTIP = 300.1
 WIFAN = 12443.5 WTGB = 2118.4 WITS = 4810.4
 WT AIRU = 19372.4
 WT AIRI = 28215.5 WFUEL = 3295.2 WT TIP GEAR = 1501.
 WT MAIN GEAR = 47141. WT WING = 258863.
 WT SYS = 29012. WT STRUCT = 316004.
 TOTAL WEIGHT = 385016. DEL WT = -4367.

FRACTION OF GW/SIDE = .0750 CUSH WT = 68.0 GEAR WT = 118.9
 LIFT = 112390.0 L/A = 47.285 M/W = .226 HP = 12857.008
 PJ = 169.277 QJ = 42985.293 A = 3.120
 SHP/ENG = 8976.8 SHP TOTAL = 71814.6
 NO FAN = 70.8 NO/SEG = 15.7 LIMIT/SEG = 12.3 VTIP = 470.0
 WIFAN = 18003.1 WTGB = 2661.3 WITS = 8394.3
 WT AIRU = 29048.9
 WT AIRI = 36311.0 WFUEL = 5745.2 WT TIP GEAR = 2250.
 WT MAIN GEAR = 84762. WT WING = 258000.
 WT SYS = 44326. WT STRUCT = 302762.
 TOTAL WEIGHT = 347064. DEL WT = -4315.

FRACTION OF GW/SIDE = .1000 CUSH WT = 62.7 GEAR WT = 105.5
 LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 18322.458
 PJ = 208.891 QJ = 98292.188 A = 3.306

SHP/ENG = 12800.7 SHP TOTAL = 102485.4
 NO FAN = 70.4 NO/SEG = 15.6 LIMIT/SEG = 12.3 VTIP = 529.9
 WIFAN = 22783.8 WTGB = 2988.2 WTS = 11965.2
 WT AIRU = 37737.2
 WT AIRI = 47171.5 WFUEL = 8199.8 WT TIP GEAR = 300.
 WT MAIN GEAR = 42122. WT WING = 249291.
 WT SYS = 54370. WT STRUCT = 291413.
 TOTAL WEIGHT = 349783. DEL WT = -1600.

FRACTION OF SW/SIDE = .1120 CUSH HT = 54.5 GEAR HT = 98.0
 LIFT = 167776.0 L/A = 70.613 M/W = .180 HP = 20664.978
 PJ = 226.932 QJ = 50106.508 A = 3.932

SHP/ENG = 10008.5 SHP TOTAL = 115588.2
 NO FAN = 70.2 NO/SEG = 15.6 LIMIT/SEG = 12.3 VTIP = 552.2
 WIFAN = 29659.6 WTGB = 7108.0 WTS = 13894.9
 WT AIRU = 41262.5
 WT AIRI = 51578.1 WFUEL = 9247.1 WT TIP GEAR = 336.
 WT MAIN GEAR = 40814. WT WING = 217500.
 WT SYS = 64185. WT STRUCT = 288314.
 TOTAL WEIGHT = 352499. DEL WT = 1116.

FRACTION OF SW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 94.571 M/W = .145 HP = 25300.909

PJ = 267.096 QJ = 53540.665 A = 4.023
 SHP/ENG = 18179.3 SHP TOTAL = 145434.3
 NO FAN = 69.1 NO/SEG = 15.3 LIMIT/SEG = 12.3 VTIP = 599.2
 WIFAN = 28592.9 WTGB = 3407.3 WTS = 16979.5
 WT AIRU = 48979.6
 WT AIRI = 61224.5 WFUEL = 11434.7 WT TIP GEAR = 450.
 WT MAIN GEAR = 36816. WT WING = 142757.
 WT SYS = 77359. WT STRUCT = 284342.
 TOTAL WEIGHT = 361751. DEL WT = 10568.

T = 6.0 INCHES T/W = .018182
 THETA = 30.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 2397.771
 PJ = 53.844 QJ = 24492.431 A = 3.207
 SHP/ENG = 1676.5 SHP TOTAL = 13411.8

NO FAN = 70.4 NO/SEG = 15.6 LIMIT/SEG = 12.3 VTIP = 457.1
 WIFAN = 9872.7 WTGB = 1133.1 WTS = 1565.0
 WT AIRU = 8571.7
 WT AIRI = 10714.6 WFUEL = 1072.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 49204. WT WING = 240328.
 WT SYS = 12538. WT STRUCT = 329536.
 TOTAL WEIGHT = 342173. DEL WT = -9310.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 M/W = .218 HP = 6541.657
 PJ = 105.290 QJ = 34171.422 A = 3.295
 SHP/ENG = 4573.8 SHP TOTAL = 36590.4
 NO FAN = 70.3 NO/SEG = 15.6 LIMIT/SEG = 12.3 VTIP = 376.2
 WIFAN = 11457.7 WTGB = 1995.0 WTS = 4271.9

WT AIRU = 17724.6
 WT AIRI = 22155.7 WFUEL = 2927.2 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47141. WT WING = 268863.
 WT SYS = 20583. WT STRUCI = 316009.
 TOTAL WEIGHT = 342587. DEL WT = -8796.

FRACTION OF GW/SIDE = .0790 CUSH HT = 68.8 GEAR HT = 118.4
 LIFT = 112350.0 L/A = 47.285 M/W = .296 HP = 11358.131
 PJ = 152.480 QJ = 80969.205 A = 3.437
 SHP/ENG = 7941.4 SHP TOTAL = 63530.9
 NO FAN = 70.0 NO/SEG = 15.5 LIMIT/SEG = 12.3 VTIP = 452.8
 WIFAN = 14531.2 WIGB = 2538.0 WITS = 7817.2
 WT AIRU = 26486.4 WT AIRI = 33109.0 WFUEL = 5082.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44762. WT WING = 258000.
 WT SYS = 40441. WT STRUCI = 302752.
 TOTAL WEIGHT = 343202. DEL WT = -8181.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
 LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 16126.139
 PJ = 193.346 QJ = 15873.044 A = 3.655
 SHP/ENG = 11275.1 SHP TOTAL = 90200.5
 NO FAN = 69.6 NO/SEG = 15.4 LIMIT/SEG = 12.3 VTIP = 529.8
 WIFAN = 20843.2 WIGB = 2861.0 WITS = 10538.0
 WT AIRU = 34235.2 WT AIRI = 42794.0 WFUEL = 7216.0 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42122. WT WING = 249291.
 WT SYS = 53010. WT STRUCI = 291413.
 TOTAL WEIGHT = 344423. DEL WT = -4940.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0
 LIFT = 157776.0 L/A = 70.613 M/W = .180 HP = 18131.514
 PJ = 209.606 QJ = 17576.535 A = 3.805
 SHP/ENG = 12477.2 SHP TOTAL = 141417.8
 NO FAN = 69.4 NO/SEG = 15.3 LIMIT/SEG = 12.3 VTIP = 530.8
 WIFAN = 22507.9 WIGB = 2967.9 WITS = 11540.5
 WT AIRU = 37316.3 WT AIRI = 46645.4 WFUEL = 8113.4 WT TIP GEAR = 3360.
 WT MAIN GEAR = 40814. WT WING = 247500.
 WT SYS = 58119. WT STRUCI = 284319.
 TOTAL WEIGHT = 346433. DEL WT = -4450.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.3 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 94.571 M/W = .141 HP = 22565.135
 PJ = 245.503 QJ = 50552.574 A = 4.529
 SHP/ENG = 15777.1 SHP TOTAL = 176215.6
 NO FAN = 68.1 NO/SEG = 15.0 LIMIT/SEG = 12.3 VTIP = 574.5
 WIFAN = 25942.8 WIGB = 3189.9 WITS = 14735.9
 WT AIRU = 43808.6 WT AIRI = 54760.7 WFUEL = 10097.3 WT TIP GEAR = 4500.
 WT MAIN GEAR = 74316. WT WING = 247576.
 WT SYS = 69358. WT STRUCI = 284342.
 TOTAL WEIGHT = 353750. DEL WT = 2367.

Y = 6.0 INCHES Y/W = .018182
THETA = 45.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
LIFT = 37450.0 L/A = 15.762 W/W = .226 HP = 2261.268
PJ = 52.072 QJ = 23884.004 A = 3.371
SHP/ENG = 1581.0 SHP TOTAL = 12648.3
NO FAN = 69.9 NO/SEG = 15.5 LIMIT/SEG = 12.3 VTIP = 264.6
WIFAN = 5631.8 WTGB = 1090.1 WITS = 1876.7
WT AIRU = 8198.6
WT AIRI = 10249.3 WFUEL = 1011.9 WT TIP GEAR = 750.
WT MAIN GEAR = 8920.9 WT WING = 28032.8
WT SYS = 12010. WT STRUCT = 32993.8
TOTAL WEIGHT = 34154.6 DEL WT = -9837.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
LIFT = 74900.0 L/A = 31.524 W/W = .218 HP = 6152.601
PJ = 101.664 QJ = 33285.500 A = 3.471
SHP/ENG = 4301.8 SHP TOTAL = 34414.2
NO FAN = 69.7 NO/SEG = 15.4 LIMIT/SEG = 12.3 VTIP = 369.7
WIFAN = 10966.8 WTGB = 1930.2 WITS = 4017.9
WT AIRU = 16914.8
WT AIRI = 21143.5 WFUEL = 2755.1 WT TIP GEAR = 1500.
WT MAIN GEAR = 47141. WT WING = 24884.5
WT SYS = 25397. WT STRUCT = 31600.4
TOTAL WEIGHT = 34140.1 DEL WT = -9982.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4
LIFT = 112350.0 L/A = 47.285 W/W = .204 HP = 15946.92
PJ = 146.884 QJ = 39839.774 A = 3.634
SHP/ENG = 7439.0 SHP TOTAL = 59512.2
NO FAN = 69.4 NO/SEG = 15.3 LIMIT/SEG = 12.3 VTIP = 444.4
WIFAN = 15777.7 WTGB = 2469.1 WITS = 6940.0
WT AIRU = 25194.8
WT AIRI = 31493.5 WFUEL = 4761.0 WT TIP GEAR = 2250.
WT MAIN GEAR = 44762. WT WING = 258000.
WT SYS = 38604. WT STRUCT = 302752.
TOTAL WEIGHT = 341266. DEL WT = -10117.

FRACTION OF GW/SIDE = .1000 CUSH HT = 64.0 GEAR HT = 108.5
LIFT = 147800.0 L/A = 63.047 W/W = .190 HP = 15025.249
PJ = 185.683 QJ = 44505.460 A = 3.881
SHP/ENG = 10505.3 SHP TOTAL = 84042.7
NO FAN = 68.9 NO/SEG = 15.2 LIMIT/SEG = 12.3 VTIP = 499.6
WIFAN = 19917.0 WTGB = 2789.6 WITS = 9912.0
WT AIRU = 32418.6
WT AIRI = 40523.3 WFUEL = 6723.4 WT TIP GEAR = 3000.
WT MAIN GEAR = 12122. WT WING = 249291.
WT SYS = 50247. WT STRUCT = 291413.
TOTAL WEIGHT = 341659. DEL WT = -9724.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.8
LIFT = 167776.0 L/A = 70.613 W/W = .180 HP = 16039.129

PJ = 200.937 QJ = 16001.771 A = 9.052
 SHP/ENG = 11773.6 SHP TOTAL = 94198.5
 NO FAN = 68.6 NO/SEG = 15.2 LIMIT/SEG = 12.3 VTIP = 519.8
 WIFAN = 21349.8 WTGR = 2891.5 WITS = 10796.5
 WT AIRU = 35237.8
 WT AIRI = 44047.2 WFUEL = 7535.1 WT TIP GEAR = 3360.
 WT MAIN GEAR = 304.4 WT WING = 227500.
 WT SYS = 54942. WT STRUCT = 289310.
 TOTAL WEIGHT = 343257. DEL WT = -9126.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 94.571 1/4 = .145 HP = 20710.331
 PJ = 253.942 QJ = 18707.054 A = 9.052
 SHP/ENG = 14496.5 SHP TOTAL = 115892.2
 NO FAN = 67.2 NO/SEG = 14.8 LIMIT/SEG = 12.3 VTIP = 560.8
 WIFAN = 24344.8 WTGR = 3082.5 WITS = 13530.4
 WT AIRU = 40957.7
 WT AIRI = 51197.1 WFUEL = 9271.4 WT TIP GEAR = 8500.
 WT MAIN GEAR = 36816. WT WING = 247576.
 WT SYS = 64969. WT STRUCT = 284392.
 TOTAL WEIGHT = 349360. DEL WT = -2023.

T = 5.0 INCHES T/W = .018184

THETA = 60.0 DEGREES

NOB SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 2248.644
 PJ = 52.103 QJ = 23776.901 A = 3.412
 SHP/ENG = 1572.2 SHP TOTAL = 12577.6
 NO FAN = 69.4 NO/SEG = 15.3 LIMIT/SEG = 12.3 VTIP = 360.9
 WIFAN = 5598.8 WTGR = 1084.5 WITS = 1081.5
 WT AIRU = 8151.5
 WT AIRI = 10189.4 WFUEL = 1006.2 WT TIP GEAR = 750.
 WT MAIN GEAR = 49208. WT WING = 290329.
 WT SYS = 11996. WT STRUCT = 329576.
 TOTAL WEIGHT = 341481. DEL WT = -9902.7

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 6099.942
 PJ = 101.536 QJ = 33082.101 A = 3.521
 SHP/ENG = 4265.0 SHP TOTAL = 34120.0
 NO FAN = 69.2 NO/SEG = 15.3 LIMIT/SEG = 12.3 VTIP = 360.9
 WIFAN = 10879.7 WTGR = 1918.2 WITS = 3983.5
 WT AIRU = 16781.4
 WT AIRI = 20976.8 WFUEL = 2724.6 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47141. WT WING = 250843.
 WT SYS = 25206. WT STRUCT = 316004.
 TOTAL WEIGHT = 341211. DEL WT = -10172.

FRACTION OF GW/SIDE = .0750 CUSH HT = 56.0 GEAR HT = 118.4
 LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 12501.443
 PJ = 146.302 QJ = 39479.280 A = 3.619
 SHP/ENG = 7342.5 SHP TOTAL = 58740.2
 NO FAN = 68.9 NO/SEG = 15.2 LIMIT/SEG = 12.3 VTIP = 403.9

WTFAN = 15609.0 WTGR = 2451.9 WTS = 6857.9

WT AIRU = 24913.8

WT AIRI = 31142.3 WFUEL = 4699.2 WT TIP GEAR = 2250.

WT MAIN GEAR = 44762. WT WING = 25000.

WT SYS = 38091. WT STRUCT = 302762.

TOTAL WEIGHT = 390953. DEL WT = -10530.

FRACTION OF GW/SIDE = .1000 CUSH MT = 62.7 GEAR MT = 105.5

LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 14742.657

PJ = 184.292 QJ = 43908.021 A = 3.769

SHP/ENG = 10377.8 SHP TOTAL = 82462.1

NO FAN = 58.4 NO/SEG = 15.1 LIMIT/SEG = 12.3 VTIP = 497.8

WTFAN = 19517.6 WTGR = 2767.2 WTS = 7462.9

WT AIRU = 31912.2

WT AIRI = 39896.3 WFUEL = 4597.0 WT TIP GEAR = 3000.

WT MAIN GEAR = 42122. WT WING = 249291.

WT SYS = 49487. WT STRUCT = 241413.

TOTAL WEIGHT = 390000. DEL WT = -10983.

FRACTION OF GW/SIDE = .1120 CUSH MT = 59.5 GEAR MT = 98.0

LIFT = 167776.0 L/A = 70.613 M/W = .180 HP = 16463.367

PJ = 199.011 QJ = 45409.341 A = 4.156

SHP/ENG = 11500.4 SHP TOTAL = 92086.7

NO FAN = 68.1 NO/SEG = 15.0 LIMIT/SEG = 12.3 VTIP = 517.3

WTFAN = 20974.1 WTGR = 2865.4 WTS = 10751.1

WT AIRU = 34590.6

WT AIRI = 43238.3 WFUEL = 7364.9 WT TIP GEAR = 3360.

WT MAIN GEAR = 40824. WT WING = 247500.

WT SYS = 53965. WT STRUCT = 238314.

TOTAL WEIGHT = 342279. DEL WT = -1144.

FRACTION OF GW/SIDE = .1500 CUSH MT = 48.0 GEAR MT = 69.2

LIFT = 224700.0 L/A = 94.571 M/W = .145 HP = 20001.650

PJ = 230.064 QJ = 47616.591 A = 5.032

SHP/ENG = 13994.7 SHP TOTAL = 111877.9

NO FAN = 65.5 NO/SEG = 14.6 LIMIT/SEG = 12.3 VTIP = 556.1

WTFAN = 23699.8 WTGR = 3038.6 WTS = 13061.7

WT AIRU = 39800.2

WT AIRI = 49750.2 WFUEL = 8950.2 WT TIP GEAR = 4500.

WT MAIN GEAR = 76816. WT WING = 247576.

WT SYS = 63200. WT STRUCT = 204392.

TOTAL WEIGHT = 347592. DEL WT = -3791.

T = 8.0 INCHES T/W = .024242

THETA = 15.0 DEGREES 408 SEMISOAN

FRACTION OF GW/SIDE = .1250 CUSH MT = 74.7 GEAR MT = 133.9

LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 2410.896

PJ = 44.825 QJ = 29591.016 A = 2.930

SHP/ENG = 1855.6 SHP TOTAL = 13495.2

NO FAN = 93.2 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 245.5

WTFAN = 6471.7 WTGR = 1239.1 WTS = 1574.4

WT AIRU = 9281.2

WT AIRI = 11601.5 WFUEL = 1078.8 WT TIP GEAR = 750.

WT MAIN GEAR = 99209. WT WING = 293228.
WT SYS = 13930. WT STRUCT = 329536.
TOTAL WEIGHT = 392966. DEL WT = -8917.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
LIFT = 74969.0 L/A = 31.529 M/W = .218 HP = 8622.376
PJ = 87.892 QJ = 41315.395 A = 3.000
SHP/ENG = 4655.2 SHP TOTAL = 36929.9
NO FAN = 93.0 NO/SEG = 21.3 LIMIT/SEG = 12.3 VTIP = 343.7
JIFAN = 12556.9 WTGB = 2169.1 WTIS = 4311.6
WT AIRU = 19132.5
WT AIRI = 23915.7 WFUEL = 2084.4 WT TIP GEAR = 1856

WT MAIN GEAR = 97191. WT WING = 288861.
WT SYS = 28370. WT STRUCT = 316009.
TOTAL WEIGHT = 388178. DEL WT = -7002.

FRACTION OF GW/SIDE = .0750 CUSH HT = 69.2 GEAR HT = 118.9
LIFT = 112350.0 L/A = 47.285 M/W = .208 HP = 31530.238
PJ = 127.815 QJ = 49615.530 A = 3.124
SHP/ENG = 8061.7 SHP TOTAL = 88893.6
NO FAN = 92.6 NO/SEG = 21.2 LIMIT/SEG = 12.3 VTIP = 414.5
JIFAN = 19329.4 WTGB = 2739.6 WTIS = 7529.6
WT AIRU = 28597.9

WT AIRI = 35747.4 WFUEL = 9199.5 WT TIP GEAR = 2250
WT MAIN GEAR = 94762. WT WING = 258000.
WT SYS = 93157. WT STRUCT = 302752.
TOTAL WEIGHT = 395919. DEL WT = -5464.

FRACTION OF GW/SIDE = .1000 CUSH HT = 69.2 GEAR HT = 118.9
LIFT = 199800.0 L/A = 63.007 M/W = .190 HP = 16505.676
PJ = 163.023 QJ = 55479.882 A = 3.306
SHP/ENG = 11579.0 SHP TOTAL = 92312.2
NO FAN = 92.0 NO/SEG = 21.0 LIMIT/SEG = 12.3 VTIP = 468.2
JIFAN = 23230.5 WTGB = 3073.3 WTIS = 10777.4
WT AIRU = 37081.3
WT AIRI = 46351.6 WFUEL = 7385.0 WT TIP GEAR = 3000.
WT MAIN GEAR = 92122. WT WING = 289291.
WT SYS = 56737. WT STRUCT = 291413.
TOTAL WEIGHT = 398149. DEL WT = -3234.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.9
LIFT = 157776.0 L/A = 70.613 M/W = .180 HP = 19651.729
PJ = 177.395 QJ = 57828.258 A = 3.432
SHP/ENG = 13040.9 SHP TOTAL = 104327.2
NO FAN = 91.6 NO/SEG = 20.9 LIMIT/SEG = 12.3 VTIP = 483.8
JIFAN = 25158.1 WTGB = 3185.2 WTIS = 12180.2
WT AIRU = 40533.5
WT AIRI = 50666.9 WFUEL = 8395.2 WT TIP GEAR = 3360.
WT MAIN GEAR = 90414. WT WING = 297500.
WT SYS = 62373. WT STRUCT = 286314.
TOTAL WEIGHT = 356587. DEL WT = -696.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2

LIFT = 228700.0 L/A = 94.571 M/W = .145 HP = 23690.874
 PJ = 210.927 QJ = 51774.979 A = 4.023
 SHP/ENG = 16564.2 SHP TOTAL = 132513.3
 NO FAN = 89.8 NO/SEG = 20.9 LIMIT/SEG = 12.3 VTIP = 532.5
 W/FAN = 29314.9 WTGB = 3439.8 WTS = 15870.7
 WT AIRU = 49227.6
 WT AIRI = 50244.6 WFUEL = 10601.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 35816. WT WING = 297576.
 WT SYS = 75386. WT STRUCT = 284392.
 TOTAL WEIGHT = 359777. DEL WT = 8394.

T = 8.0 INCHES T/W = .024242

THETA = 30.0 DEGREES 008 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 2159.772
 PJ = 42.021 QJ = 26248.305 A = 3.207
 SHP/ENG = 1520.1 SHP TOTAL = 12082.5
 NO FAN = 92.0 NO/SEG = 21.0 LIMIT/SEG = 12.3 VTIP = 237.7
 W/FAN = 5987.9 WTGB = 1149.8 WTS = 1410.4
 WT AIRU = 8548.1
 WT AIRI = 10685.1 WFUEL = 964.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 4008. WT WING = 290328.
 WT SYS = 12402. WT STRUCT = 324536.
 TOTAL WEIGHT = 341937. DEL WT = -9440.

FRACTION OF SW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 M/W = .218 HP = 5900.752
 PJ = 82.291 QJ = 34438.074 A = 3.295
 SHP/ENG = 4125.7 SHP TOTAL = 33008.3
 NO FAN = 91.8 NO/SEG = 20.9 LIMIT/SEG = 12.3 VTIP = 302.0
 W/FAN = 11690.5 WTGB = 2039.4 WTS = 3853.8
 WT AIRU = 17583.3
 WT AIRI = 21979.1 WFUEL = 2640.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47141. WT WING = 258863.
 WT SYS = 26120. WT STRUCT = 316004.
 TOTAL WEIGHT = 342124. DEL WT = -9254.

FRACTION OF SW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4
 LIFT = 112350.0 L/A = 47.285 M/W = .206 HP = 13269.026
 PJ = 119.456 QJ = 47280.757 A = 3.437
 SHP/ENG = 7179.9 SHP TOTAL = 57439.1
 NO FAN = 91.3 NO/SEG = 20.8 LIMIT/SEG = 12.3 VTIP = 400.7
 W/FAN = 16844.1 WTGB = 2412.8 WTS = 6706.0
 WT AIRU = 26204.9
 WT AIRI = 32754.1 WFUEL = 4595.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 44762. WT WING = 258000.
 WT SYS = 39401. WT STRUCT = 302762.
 TOTAL WEIGHT = 342363. DEL WT = -9020.

FRACTION OF SW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
 LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 14630.834
 PJ = 152.016 QJ = 52934.951 A = 3.555
 SHP/ENG = 10229.4 SHP TOTAL = 81836.6

NO FAN = 90.6 NO/SEG = 20.7 LIMIT/SEG = 12.3 VTIP = 452.1

WTFAN = 21326.9 WTGB = 2951.0 WTS = 9550.0

WT AIRU = 33832.3

WT AIRI = 82290.8 WFUEL = 6586.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 42122. WT WING = 249291.

WT SYS = 51637. WT STRUCT = 291433.

TOTAL WEIGHT = 383255. DEL WT = -8133.

FRACTION OF SW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0

LIFT = 167776.0 L/A = 70.613 H/W = .180 HP = 16969.653

PJ = 165.207 QJ = 54896.796 A = 3.905

SHP/ENG = 11509.2 SHP TOTAL = 92233.8

NO FAN = 90.1 NO/SEG = 20.5 LIMIT/SEG = 12.3 VTIP = 475.5

WTFAN = 23056.9 WTGB = 3057.7 WTS = 10768.3

WT AIRU = 36832.9

WT AIRI = 46103.6 WFUEL = 7378.7 WT TIP GEAR = 3360.

WT MAIN GEAR = 40814. WT WING = 217500.

WT SYS = 56842. WT STRUCT = 288318.

TOTAL WEIGHT = 345157. DEL WT = -6226.

FRACTION OF SW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2

LIFT = 224700.0 L/A = 94.571 H/W = .145 HP = 20749.254

PJ = 195.728 QJ = 54305.789 A = 4.509

SHP/ENG = 14507.4 SHP TOTAL = 116059.4

NO FAN = 88.0 NO/SEG = 20.0 LIMIT/SEG = 12.3 VTIP = 513.0

WTFAN = 26655.7 WTGB = 3264.7 WTS = 13550.0

WT AIRU = 43470.3

WT AIRI = 54337.8 WFUEL = 9284.8 WT TIP GEAR = 4500.

WT MAIN GEAR = 76816. WT WING = 217576.

WT SYS = 68125. WT STRUCT = 284550.

TOTAL WEIGHT = 352514. DEL WT = -3151.

T = 6.0 INCHES T/W = .024242

THETA = 45.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.0

LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 2047.490

PJ = 40.857 QJ = 27562.369 A = 3.371

SHP/ENG = 1471.6 SHP TOTAL = 11452.5

NO FAN = 91.0 NO/SEG = 20.8 LIMIT/SEG = 12.3 VTIP = 218.8

WTFAN = 5756.9 WTGB = 1108.8 WTS = 13550.0

WT AIRU = 8202.6

WT AIRI = 10253.2 WFUEL = 916.2 WT TIP GEAR = 750.

WT MAIN GEAR = 49204. WT WING = 290328.

WT SYS = 11919. WT STRUCT = 324536.

TOTAL WEIGHT = 381455. DEL WT = -9928.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.2 GEAR HT = 127.5

LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 5579.874

PJ = 79.899 QJ = 39410.060 A = 3.471

SHP/ENG = 3901.3 SHP TOTAL = 31210.4

NO FAN = 90.7 NO/SEG = 20.7 LIMIT/SEG = 12.3 VTIP = 327.7

WTFAN = 11219.0 WTGB = 1975.7 WTS = 3643.9

WT AIRU = 14838.6

WT AIRI = 21048.2 WFUEL = 2496.9 WT TIP GEAR = 1500.
WT MAIN GEAR = 97141. WT WING = 268863.
WT SYS = 25045. WT STRUCT = 316004.
TOTAL WEIGHT = 381249. DEL WT = -20339.

FRACTION OF GW/SIDE = .0750 CUSH WT = 68.0 GEAR WT = 118.4
LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 9674.307
PJ = 115.747 QJ = 45969.907 A = 3.634
SHP/ENG = 6764.1 SHP TOTAL = 54112.6
NO FAN = 90.2 NO/SEG = 20.5 LIMIT/SEG = 12.3 VTIP = 394.5
WT FAN = 16161.0 WTGR = 2543.6 WITS = 6317.6
WT AIRU = 25022.2

WT AIRI = 31277.8 WFUEL = 4329.0 WT TIP GEAR = 1500.
WT MAIN GEAR = 94762. WT WING = 258000.
WT SYS = 37957. WT STRUCT = 302762.
TOTAL WEIGHT = 340619. DEL WT = -10764.

FRACTION OF GW/SIDE = .1000 CUSH WT = 62.7 GEAR WT = 105.5
LIFT = 149806.0 L/A = 63.047 H/W = .190 HP = 13715.976
PJ = 146.913 QJ = 51347.147 A = 3.881
SHP/ENG = 9599.6 SHP TOTAL = 75717.1
NO FAN = 89.4 NO/SEG = 20.4 LIMIT/SEG = 12.3 VTIP = 444.4
WT FAN = 20337.0 WTGR = 2891.2 WITS = 4756.7

WT AIRU = 32175.0
WT AIRI = 40219.7 WFUEL = 6137.4 WT TIP GEAR = 3000.
WT MAIN GEAR = 42122. WT WING = 292291.
WT SYS = 49356. WT STRUCT = 291413.
TOTAL WEIGHT = 340769. DEL WT = -10614.

FRACTION OF GW/SIDE = .1120 CUSH WT = 59.5 GEAR WT = 98.9
LIFT = 167776.0 L/A = 70.613 H/W = .180 HP = 15412.596
PJ = 159.423 QJ = 53172.496 A = 4.052
SHP/ENG = 10776.1 SHP TOTAL = 86209.0
NO FAN = 88.9 NO/SEG = 20.2 LIMIT/SEG = 12.3 VTIP = 463.0
WT FAN = 21938.3 WTGR = 2985.4 WITS = 10964.9
WT AIRU = 34988.6
WT AIRI = 43735.7 WFUEL = 6896.7 WT TIP GEAR = 3360.
WT MAIN GEAR = 40414. WT WING = 247500.
WT SYS = 53992. WT STRUCT = 284314.
TOTAL WEIGHT = 342307. DEL WT = -9076.

FRACTION OF GW/SIDE = .1500 CUSH WT = 48.0 GEAR WT = 49.2
LIFT = 224700.0 L/A = 94.571 H/W = .145 HP = 19198.313
PJ = 144.009 QJ = 56142.656 A = 4.853
SHP/ENG = 13473.2 SHP TOTAL = 107394.5
NO FAN = 85.4 NO/SEG = 19.6 LIMIT/SEG = 12.3 VTIP = 502.8
WT FAN = 25163.8 WTGR = 3172.3 WITS = 12537.1
WT AIRU = 40473.2

WT AIRI = 51041.6 WFUEL = 8590.4 WT TIP GEAR = 4500.
WT MAIN GEAR = 76416. WT WING = 247576.
WT SYS = 64142. WT STRUCT = 244322.
TOTAL WEIGHT = 348374. DEL WT = -2809.

T = 6.0 INCHES I/W = .024292
THETA = 60.0 DEGREES 408 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.0
LIFT = 37450.0 L/A = 15.762 M/W = .225 HP = 2044.151
PJ = 41.048 QJ = 27399.440 A = 3.412
SHP/ENG = 1409.2 SHP TOTAL = 11833.6
NO FAN = 90.2 NO/SEG = 20.6 LIMIT/SEG = 12.3 VTIP = 234.9
JTFAN = 3734.2 WTGR = 1104.6 WTS = 1334.9
WT AIRU = 8173.6
WT AIRI = 10217.0 WFUEL = 914.7 WT TIP GEAR = 750.
WT MAIN GEAR = 49208. WT WING = 240328.
WT SYS = 11982. WT STRUCT = 109534.

TOTAL WEIGHT = 441417. DEL WT = -441417.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
LIFT = 74900.0 L/A = 31.524 M/W = .218 HP = 5554.834
PJ = 80.136 QJ = 14174.509 A = 3.521
SHP/ENG = 3883.8 SHP TOTAL = 31070.6
NO FAN = 89.9 NO/SEG = 20.5 LIMIT/SEG = 12.3 VTIP = 329.2
JTFAN = 11152.2 WTGR = 1964.2 WTS = 3627.5
WT AIRU = 16745.8
WT AIRI = 20932.3 WFUEL = 2485.6 WT TIP GEAR = 1500.
WT MAIN GEAR = 47441. WT WING = 249853.
WT SYS = 24918. WT STRUCT = 316004.
TOTAL WEIGHT = 340922. DEL WT = -10461.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4
LIFT = 112350.0 L/A = 47.285 M/W = .204 HP = 9590.089
PJ = 115.802 QJ = 15597.712 A = 3.602
SHP/ENG = 6705.2 SHP TOTAL = 53691.3
NO FAN = 89.3 NO/SEG = 20.3 LIMIT/SEG = 12.3 VTIP = 394.4
JTFAN = 16016.4 WTGR = 2528.3 WTS = 6262.5
WT AIRU = 24807.4
WT AIRI = 31049.2 WFUEL = 4261.3 WT TIP GEAR = 2250.
WT MAIN GEAR = 44762. WT WING = 259000.
WT SYS = 37551. WT STRUCT = 302762.
TOTAL WEIGHT = 380312. DEL WT = -11071.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 13519.532
PJ = 146.511 QJ = 50753.599 A = 3.960
SHP/ENG = 9452.9 SHP TOTAL = 75622.8
NO FAN = 88.5 NO/SEG = 20.1 LIMIT/SEG = 12.3 VTIP = 443.4
JTFAN = 20074.4 WTGR = 2840.5 WTS = 8529.6
WT AIRU = 31753.9
WT AIRI = 39704.9 WFUEL = 6049.8 WT TIP GEAR = 3000.
WT MAIN GEAR = 42122. WT WING = 244291.
WT SYS = 43755. WT STRUCT = 291413.
TOTAL WEIGHT = 340167. DEL WT = -11216.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.9 GEAR HT = 98.8
LIFT = 167776.0 L/A = 70.613 M/W = .180 HP = 15101.552
PJ = 158.687 QJ = 52479.812 A = 4.156

SHP/ENG = 10456.7 SHP TOTAL = 84693.2
 NO FAN = 87.9 W/SEG = 20.0 LIMIT/SEG = 12.3 VTIP = 461.9
 WIFAN = 21502.4 WTGB = 2961.4 WTS = 9987.9
 WT AIRU = 39451.8
 WT AIRI = 43064.9 WFUEL = 6775.5 WT TIP GEAR = 336.0
 WT MAIN GEAR = 40414. WT WING = 297500.
 WT SYS = 53200. WT STRUCT = 289318.
 TOTAL WEIGHT = 341515. DEL WT = -9868.

FRACTION OF GW/SIDE = .1500 CUSH HT = 46.0 GEAR HT = 69.2
 LIFT = 224700.0 L/A = 94.571 H/W = .145 HP = 19639.913
 PJ = 185.999 QJ = 25121.405 A = 5.032

SHP/ENG = 13032.6 SHP TOTAL = 104713.1
 NO FAN = 85.3 W/SEG = 19.3 LIMIT/SEG = 12.3 VTIP = 500.0
 WIFAN = 24564.2 WTGB = 3134.1 WTS = 12172.5
 WT AIRU = 39870.8
 WT AIRI = 49639.5 WFUEL = 8340.9 WT TIP GEAR = 450.0
 WT MAIN GEAR = 74416. WT WING = 287576.
 WT SYS = 62679. WT STRUCT = 288392.
 TOTAL WEIGHT = 347771. DEL WT = -4312.

T = 10.0 INCHES T/W = .030303
 THEIA = 15.0 DEGREES 40.5 SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 155.4
 LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 2228.499

PJ = 37.076 QJ = 33058.713 A = 2.930
 SHP/ENG = 1578.1 SHP TOTAL = 12465.0
 NO FAN = 114.6 W/SEG = 26.6 LIMIT/SEG = 12.3 VTIP = 223.3
 WIFAN = 6577.6 WTGB = 1251.7 WTS = 11731.1
 WT AIRU = 9284.6
 WT AIRI = 11605.8 WFUEL = 997.2 WT TIP GEAR = 755.1
 WT MAIN GEAR = 49208. WT WING = 280328.
 WT SYS = 13353. WT STRUCT = 329536.
 TOTAL WEIGHT = 342486. DEL WT = -4495.

FRACTION OF SW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 6110.122

PJ = 72.785 QJ = 46171.198 A = 3.004
 SHP/ENG = 4272.1 SHP TOTAL = 34176.6
 NO FAN = 114.2 W/SEG = 26.6 LIMIT/SEG = 12.3 VTIP = 312.4
 WIFAN = 12871.6 WTGB = 2206.7 WTS = 3990.1
 WT AIRU = 19069.4
 WT AIRI = 23935.5 WFUEL = 2734.1 WT TIP GEAR = 150.0
 WT MAIN GEAR = 47141. WT WING = 284463.
 WT SYS = 28370. WT STRUCT = 314004.
 TOTAL WEIGHT = 34474. DEL WT = -7309.

FRACTION OF SW/SIDE = .0750 CUSH HT = 66.0 GEAR HT = 118.4
 LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 10691.143

PJ = 106.056 QJ = 55443.879 A = 3.124
 SHP/ENG = 7475.0 SHP TOTAL = 59806.2
 NO FAN = 113.6 W/SEG = 26.4 LIMIT/SEG = 12.3 VTIP = 347.6
 WIFAN = 18657.8 WTGB = 2809.0 WTS = 6981.7

WT AIRU = 28443.5

WT AIRI = 35560.6 WFUEL = 4784.0 WT TIP GEAR = 2259.

WT MAIN GEAR = 44762. WT WING = 258000.

WT SYS = 82595. WT STRUCT = 302762.

TOTAL WEIGHT = 345356. DEL WT = -6027.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5

LIFT = 149800.0 L/A = 63.047 M/W = .190 HP = 15347.177

PJ = 135.678 QJ = 62219.711 A = 3.306

SHP/ENG = 10770.4 SHP TOTAL = 85843.4

NO FAN = 112.7 NO/SEG = 26.2 LIMIT/SEG = 12.3 VTIP = 427.1

WT FAN = 23680.0 WTGB = 3154.0 WTS = 10022.2

WT AIRU = 36898.0 WT AIRI = 46073.5 WFUEL = 6967.5 WT TIP GEAR = 3009.

WT MAIN GEAR = 42122. WT WING = 249291.

WT SYS = 55941. WT STRUCT = 291413.

TOTAL WEIGHT = 347354. DEL WT = -4029.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0

LIFT = 167776.0 L/A = 70.613 M/W = .180 HP = 17379.229

PJ = 147.939 QJ = 64611.622 A = 3.432

SHP/ENG = 12151.2 SHP TOTAL = 97209.5

NO FAN = 112.1 NO/SEG = 26.0 LIMIT/SEG = 12.3 VTIP = 444.0

WT FAN = 25679.0 WTGB = 3247.4 WTS = 11357.2

WT AIRU = 40296.4

WT AIRI = 50370.5 WFUEL = 7776.8 WT TIP GEAR = 3363.

WT MAIN GEAR = 40834. WT WING = 247500.

WT SYS = 61507. WT STRUCT = 288314.

TOTAL WEIGHT = 384622. DEL WT = -1561.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2

LIFT = 224700.0 L/A = 94.571 M/W = .145 HP = 22277.294

PJ = 177.578 QJ = 68997.933 A = 4.023

SHP/ENG = 12575.4 SHP TOTAL = 124606.5

NO FAN = 109.3 NO/SEG = 25.3 LIMIT/SEG = 12.3 VTIP = 448.5

WT FAN = 30044.9 WTGB = 3503.4 WTS = 14547.0

WT AIRU = 48096.1

WT AIRI = 60120.1 WFUEL = 9968.5 WT TIP GEAR = 4509.

WT MAIN GEAR = 46816. WT WING = 247576.

WT SYS = 74589. WT STRUCT = 288392.

TOTAL WEIGHT = 404660. DEL WT = -1000.

T = 10.0 INCHES T/W = .030303

THETA = 30.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 74.7 GEAR HT = 133.4

LIFT = 37450.0 L/A = 15.762 M/W = .226 HP = 2008.437

PJ = 34.972 QJ = 31596.237 A = 3.207

SHP/ENG = 1404.3 SHP TOTAL = 11234.1

NO FAN = 112.7 NO/SEG = 26.2 LIMIT/SEG = 12.3 VTIP = 216.8

WT FAN = 4103.8 WTGB = 1164.0 WTS = 1311.4

WT AIRU = 8583.4

WT AIRI = 10729.2 WFUEL = 898.7 WT TIP GEAR = 756.

WT MAIN GEAR = 49208. WT WING = 280328.

WT SYS = 12378. WT STRUCT = 329576.
TOTAL WEIGHT = 341913. DEL WT = -9470.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.3 GEAR HT = 127.5
LIFT = 74400.0 L/A = 31.524 H/W = .218 HP = 5494.914
PJ = 64.585 QJ = 44045.093 A = 3.295
SHP/ENG = 3841.9 SHP TOTAL = 30735.4
NO FAN = 112.3 NO/SEG = 26.1 LIMIT/SEG = 12.3 VTIP = 303.7
JTFAN = 11924.7 WTGR = 2082.1 WTTS = 3588.4
WT AIRU = 17595.2
WT AIRI = 21994.0 WFUEL = 2458.8 WT TIP GEAR = 150C.
WT MAIN GEAR = 47141. WT WING = 258863.
WT SYS = 25993. WT STRUCT = 316001.
TOTAL WEIGHT = 341957. DEL WT = -9426.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.4
LIFT = 112350.0 L/A = 47.265 H/W = .266 HP = 9564.239
PJ = 94.791 QJ = 52823.942 A = 3.437
SHP/ENG = 6701.1 SHP TOTAL = 53608.8
NO FAN = 111.6 NO/SEG = 25.9 LIMIT/SEG = 12.3 VTIP = 366.3
JTFAN = 17243.1 WTGR = 3641.1 WTTS = 6256.9
WT AIRU = 26183.2
WT AIRI = 32724.8 WFUEL = 4264.7 WT TIP GEAR = 225C.
WT MAIN GEAR = 44762. WT WING = 258000.
WT SYS = 39266. WT STRUCT = 302762.
TOTAL WEIGHT = 342229. DEL WT = -9354.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 105.5
LIFT = 149800.0 L/A = 63.047 H/W = .319 HP = 12101.410
PJ = 127.436 QJ = 59133.857 A = 3.495
SHP/ENG = 9579.7 SHP TOTAL = 76637.9
NO FAN = 110.5 NO/SEG = 25.6 LIMIT/SEG = 12.3 VTIP = 413.9
JTFAN = 21913.3 WTGR = 3035.3 WTTS = 8947.5
WT AIRU = 33796.1
WT AIRI = 42245.1 WFUEL = 6131.0 WT TIP GEAR = 300C.
WT MAIN GEAR = 42122. WT WING = 249291.
WT SYS = 51376. WT STRUCT = 291413.
TOTAL WEIGHT = 342789. DEL WT = -8594.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0
LIFT = 167776.0 L/A = 70.613 H/W = .380 HP = 15477.000
PJ = 138.826 QJ = 61319.998 A = 3.805
SHP/ENG = 10421.8 SHP TOTAL = 85574.0
NO FAN = 109.4 NO/SEG = 25.5 LIMIT/SEG = 12.3 VTIP = 432.0
JTFAN = 23509.0 WTGR = 3144.6 WTTS = 10107.5
WT AIRU = 36861.1
WT AIRI = 46076.4 WFUEL = 6925.9 WT TIP GEAR = 336C.
WT MAIN GEAR = 40419. WT WING = 247500.
WT SYS = 56342. WT STRUCT = 285314.
TOTAL WEIGHT = 344577. DEL WT = -6706.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2
LIFT = 224700.0 L/A = 94.571 H/W = .445 HP = 19502.059

PJ = 165.283 QJ = 45100.537 A = 4.509
 SHP/ENG = 13761.3 SHP TOTAL = 110090.3
 NO FAN = 106.5 NO/SEG = 24.6 LIMIT/SEG = 12.3 VTIP = 472.8
 WIFAN = 27931.5 WIGB = 3398.5 WITS = 12893.8
 WT AIRU = 43633.1
 WT AIRI = 54541.3 WFUEL = 8807.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 76415. WT WING = 287576.
 WT SYS = 67849. WT STRUCT = 288392.
 TOTAL WEIGHT = 352240. DEL WT = 857.

T = 10.0 INCHES T/W = .030303
 THETA = 45.0 DEGREES NOB SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH WT = 74.7 GEAR HT = 133.4
 LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 1913.716

PJ = 34.182 QJ = 30792.218 A = 3.371
 SHP/ENG = 1338.0 SHP TOTAL = 10704.2
 NO FAN = 111.2 NO/SEG = 25.8 LIMIT/SEG = 12.3 VTIP = 218.8

WIFAN = 5882.8 WIGB = 1128.6 WITS = 1249.7
 WT AIRU = 8261.1
 WT AIRI = 10326.3 WFUEL = 856.3 WT TIP GEAR = 753.
 WT MAIN GEAR = 89208. WT WING = 290328.
 WT SYS = 21933. WT STRUCT = 329536.
 TOTAL WEIGHT = 341468. DEL WT = -9915.

FRACTION OF SW/SIDE = .0500 CUSH WT = 72.0 GEAR HT = 127.5
 LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 5223.400

PJ = 66.953 QJ = 42908.554 A = 3.471
 SHP/ENG = 3452.1 SHP TOTAL = 29216.7
 NO FAN = 110.7 NO/SEG = 25.7 LIMIT/SEG = 12.3 VTIP = 218.8
 WIFAN = 11472.8 WIGB = 2020.0 WITS = 3411.1
 WT AIRU = 16903.9
 WT AIRI = 21129.8 WFUEL = 2337.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47141. WT WING = 256863.
 WT SYS = 24947. WT STRUCT = 316004.
 TOTAL WEIGHT = 340971. DEL WT = -10412.

FRACTION OF SW/SIDE = .0750 CUSH WT = 68.0 GEAR HT = 118.4
 LIFT = 112350.0 L/A = 47.285 H/W = .206 HP = 9078.952

PJ = 97.285 QJ = 51388.999 A = 3.438
 SHP/ENG = 6317.8 SHP TOTAL = 50762.9
 NO FAN = 109.9 NO/SEG = 25.5 LIMIT/SEG = 12.3 VTIP = 361.8
 WIFAN = 16586.5 WIGB = 2612.4 WITS = 5928.9

WT AIRU = 25067.7
 WT AIRI = 31359.7 WFUEL = 4062.6 WT TIP GEAR = 2250.
 WT MAIN GEAR = 84762. WT WING = 258002.
 WT SYS = 37672. WT STRUCT = 302762.
 TOTAL WEIGHT = 340434. DEL WT = -10949.

FRACTION OF SW/SIDE = .1000 CUSH WT = 62.7 GEAR HT = 105.5
 LIFT = 149800.0 L/A = 63.047 H/W = .192 HP = 12919.990

PJ = 123.913 QJ = 57346.978 A = 3.968
 SHP/ENG = 9033.4 SHP TOTAL = 72267.1
 NO FAN = 108.7 NO/SEG = 25.2 LIMIT/SEG = 12.3 VTIP = 408.2

WTFAN = 20859.6 WTGR = 2966.3 WTS = 8437.2

WT AIRU = 32263.1

WT AIRI = 40328.9 WFUEL = 5781.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 42122. WT WING = 249291.

WT SYS = 49110. WT STRUCT = 291413.

TOTAL WEIGHT = 340523. DEL WT = -10860.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.5 GEAR HT = 98.0

LIFT = 167776.0 L/A = 70.613 H/W = .160 HP = 14555.702

PJ = 134.924 QJ = 59378.503 A = 4.052

SHP/ENG = 10177.0 SHP TOTAL = 81416.3

NO FAN = 107.9 NO/SEG = 25.0 LIMIT/SEG = 12.3 VTIP = 425.7

WTFAN = 22529.6 WTGB = 3074.2 WTS = 9543.1

WT AIRU = 35109.1

WT AIRI = 43984.9 WFUEL = 6513.3 WT TIP GEAR = 3343.

WT MAIN GEAR = 40814. WT WING = 247500.

WT SYS = 53760. WT STRUCT = 298314.

TOTAL WEIGHT = 342074. DEL WT = -9309.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2

LIFT = 224700.0 L/A = 94.571 H/W = .145 HP = 18342.336

PJ = 160.944 QJ = 62590.510 A = 4.353

SHP/ENG = 12474.0 SHP TOTAL = 122594.6

NO FAN = 104.3 NO/SEG = 24.1 LIMIT/SEG = 12.3 VTIP = 465.2

WTFAN = 25984.5 WTGB = 3263.4 WTS = 11978.2

WT AIRU = 41226.1

WT AIRI = 51532.6 WFUEL = 9207.7 WT TIP GEAR = 4509.

WT MAIN GEAR = 76616. WT WING = 247576.

WT SYS = 64240. WT STRUCT = 284392.

TOTAL WEIGHT = 388632. DEL WT = -2791.

T = 10.0 INCHES T/W = .030303

THETA = 40.0 DEGREES 40% SEMISPAN

FRACTION OF GW/SIDE = .05250 CUSH HT = 74.7 GEAR HT = 133.4

LIFT = 37450.0 L/A = 15.762 H/W = .226 HP = 1917.929

PJ = 34.479 QJ = 30594.682 A = 3.412

SHP/ENG = 1341.0 SHP TOTAL = 10727.8

NO FAN = 110.0 NO/SEG = 25.5 LIMIT/SEG = 12.3 VTIP = 215.3

WTFAN = 5870.3 WTGB = 1126.5 WTS = 1252.5

WT AIRU = 8249.3

WT AIRI = 10311.6 WFUEL = 858.2 WT TIP GEAR = 758.

WT MAIN GEAR = 49208. WT WING = 280328.

WT SYS = 11920. WT STRUCT = 329536.

TOTAL WEIGHT = 343355. DEL WT = -9928.

FRACTION OF GW/SIDE = .0500 CUSH HT = 72.0 GEAR HT = 127.5

LIFT = 74900.0 L/A = 31.524 H/W = .218 HP = 5220.536

PJ = 67.428 QJ = 42593.121 A = 3.521

SHP/ENG = 3540.1 SHP TOTAL = 29200.7

NO FAN = 109.4 NO/SEG = 25.4 LIMIT/SEG = 12.3 VTIP = 301.1

WTFAN = 11426.1 WTGB = 2013.0 WTS = 3409.2

WT AIRU = 16048.3

WT AIRI = 21060.5 WFUEL = 2336.1 WT TIP GEAR = 1500.

WT MAIN GEAR = 47191. WT WING = 258853.
WT SYS = 24996. WT STRUCT = 316004.
TOTAL WEIGHT = 340901. DEL WT = -10482.

FRACTION OF GW/SIDE = .0750 CUSH HT = 68.0 GEAR HT = 118.0
LIFT = 112350.0 L/A = 47.285 W/W = .206 HP = 9037.176
PJ = 97.711 QJ = 50868.711 A = 3.699
SHP/ENG = 6318.6 SHP TOTAL = 50548.8
NO FAN = 108.4 NO/SEG = 29.2 LIMIT/SEG = 12.3 VTIP = 162.0
WTFAN = 15431.0 WTGB = 2599.2 WTS = 5901.8
WT AIRU = 24931.8

WT AIRI = 31148.7 WFUEL = 4083.8 WT TIP GEAR = 2251
WT MAIN GEAR = 44762. WT WING = 258000.7
WT SYS = 37459. WT STRUCT = 302752.
TOTAL WEIGHT = 340220. DEL WT = -11163.

FRACTION OF GW/SIDE = .1000 CUSH HT = 62.7 GEAR HT = 125.5
LIFT = 149800.0 L/A = 63.047 W/W = .190 HP = 12741.951
PJ = 124.145 QJ = 56672.437 A = 3.969
SHP/ENG = 8943.9 SHP TOTAL = 71550.9
NO FAN = 107.3 NO/SEG = 24.8 LIMIT/SEG = 12.3 VTIP = 408.5
WTFAN = 20533.6 WTGB = 2447.1 WTS = 8353.6
WT AIRU = 31934.3

WT AIRI = 39917.9 WFUEL = 5724.1 WT TIP GEAR = 3000
WT MAIN GEAR = 42122. WT WING = 249291.
WT SYS = 48482. WT STRUCT = 291813.
TOTAL WEIGHT = 340355. DEL WT = -11328.

FRACTION OF GW/SIDE = .1120 CUSH HT = 59.9 GEAR HT = 98.0
LIFT = 167776.0 L/A = 70.613 W/W = .180 HP = 11365.504
PJ = 138.848 QJ = 58592.143 A = 4.156
SHP/ENG = 10044.1 SHP TOTAL = 80352.5
NO FAN = 106.5 NO/SEG = 24.5 LIMIT/SEG = 12.3 VTIP = 425.8
WTFAN = 22233.2 WTGB = 7051.8 WTS = 9361.2
WT AIRU = 34666.2
WT AIRI = 43332.7 WFUEL = 6428.2 WT TIP GEAR = 3360.
WT MAIN GEAR = 40414. WT WING = 247500.
WT SYS = 53121. WT STRUCT = 289314.
TOTAL WEIGHT = 341035. DEL WT = -9988.

FRACTION OF GW/SIDE = .1500 CUSH HT = 48.0 GEAR HT = 69.2
LIFT = 224700.0 L/A = 94.571 W/W = .145 HP = 17903.899
PJ = 160.117 QJ = 61498.791 A = 5.032
SHP/ENG = 12518.0 SHP TOTAL = 100144.3
NO FAN = 102.4 NO/SEG = 23.5 LIMIT/SEG = 12.3 VTIP = 444.0
WTFAN = 25429.0 WTGB = 3228.2 WTS = 11591.8
WT AIRU = 40349.0
WT AIRI = 50435.3 WFUEL = 8011.5 WT TIP GEAR = 4500.
WT MAIN GEAR = 36816. WT WING = 247576.
WT SYS = 62948. WT STRUCT = 284392.
TOTAL WEIGHT = 347339. DEL WT = -8044.

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9FLY.L T.25040

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000001	001	2498000.	2970.	3.927	330.			
000002	001	060509060650		502 SEMISAM				
000003	001	.025	.050	.075	.10	.127	.15	
000004	001	84.9	52.3	78.6	73.2	65.8	60.5	
000005	001	2.	8.	6.	8.	10.		
000006	001	15.	30.	45.	60.			
000007	001	.025	.050	.075	.10	.127	.15	
000008	001	138.5	130.	122.6	112.5	98.	86.	
000009	001	.025	.050	.075	.10	.127	.15	
000010	001	282500.	272047.	262400.	253831.	251700.	243857.	

TASK UNITS: 1

PBM SIZE: 6144

3X0T

GW = 1493000.000 LBS CUSHION AREA = 2970.0 SQUARE FEET
SWEEP = 40.0 DEGREES L/W = 3.927 W = 330.0 INCHES

T = 2.0 INCHES T/W = .006061
THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF BW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5

LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 9279.267

PJ = 143.404 QJ = 16412.351 A = 2.500

SHP/ENG = 2992.0 SHP TOTAL = 23935.8

NO FAN = 28.4 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 439.1

WTFAN = 6422.3 WTGR = 1247.0 WTS = 2794.5

WT AIRU = 10463.8

WT AIRI = 13079.8 WFUEL = 1714.9 WT TIP GEAR = 1500.

WT MAIN GEAR = 49366. WT WING = 242500.

WT SYS = 15745. WT STRUCT = 331866.

TOTAL WEIGHT = 347610. DEL WT = -3773.

FRACTION OF BW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0

LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 11761.431

PJ = 281.462 QJ = 22992.818 A = 2.560

SHP/ENG = 8273.3 SHP TOTAL = 65766.8

NO FAN = 28.4 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 615.1

WTFAN = 12549.5 WTGR = 2042.9 WTS = 7640.9

WT AIRU = 22362.0

WT AIRI = 27953.6 WFUEL = 5262.9 WT TIP GEAR = 1500.

WT MAIN GEAR = 47478. WT WING = 272047.

WT SYS = 34717. WT STRUCT = 319525.

TOTAL WEIGHT = 354241. DEL WT = 2859.

FRACTION OF BW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.0

LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 20664.339

PJ = 410.018 QJ = 27719.210 A = 2.949

SHP/ENG = 14418.1 SHP TOTAL = 115584.6

NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 742.4

WTFAN = 18341.0 WTGR = 2607.8 WTS = 13494.5

WT AIRU = 34443.3

WT AIRI = 43054.1 WFUEL = 9246.8 WT TIP GEAR = 2252.

WT MAIN GEAR = 45302. WT WING = 262400.

WT SYS = 54551. WT STRUCT = 307702.

TOTAL WEIGHT = 362253. DEL WT = 10870.

FRACTION OF BW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5

LIFT = 149300.0 L/A = 50.434 H/W = .222 HP = 29655.901

PJ = 522.044 QJ = 31241.629 A = 3.096

SHP/ENG = 20774.9 SHP TOTAL = 165478.3

NO FAN = 28.9 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 830.8

WTFAN = 23326.2 WTGR = 3174.1 WTS = 19366.3

WT AIRU = 45866.6

WT AIRI = 57333.2 WFUEL = 13270.3 WT TIP GEAR = 3000.

WT MAIN GEAR = 42877. WT WING = 253831.

WT SYS = 73603. WT STRUCT = 296709.

TOTAL WEIGHT = 370312. DEL WT = 16924.

FRACTION OF GW/SIDE = .1270 CUSH WT = 65.8 GEAR WT = 98.0
 LIFT = 190246.0 L/A = 64.036 W/D = .199 HP = 381016619
 PJ = 617.814 QJ = 33919.395 A = 3.335
 SHP/ENG = 26679.9 SHP TOTAL = 213218.8
 NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 911.4
 WIFAN = 27549.7 WTGB = 4059.3 WITS = 24981.6
 WT AIRU = 55492.7
 WT AIRI = 70613.3 WFUEL = 17049.5 WT TIP GEAR = 3810.
 WT MAIN GEAR = 40125. WT WING = 251700.
 WT SYS = 91873. WT STRUCT = 291825.
 TOTAL WEIGHT = 383298. DEL WT = 31915.

FRACTION OF GW/SIDE = .1501 CUSH WT = 75.8 GEAR WT = 130.5
 LIFT = 224700.0 L/A = 75.657 W/D = .183 HP = 44622.538
 PJ = 689.257 QJ = 35766.411 A = 3.543
 SHP/ENG = 31379.0 SHP TOTAL = 250711.8
 NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 962.6
 WIFAN = 30543.6 WTGB = 5167.4 WITS = 29270.6
 WT AIRU = 65124.7
 WT AIRI = 81402.2 WFUEL = 20056.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38235. WT WING = 281857.
 WT SYS = 105959. WT STRUCT = 281892.
 TOTAL WEIGHT = 337451. DEL WT = 34468.

$\gamma = 2.0$ INCHES $T/W = .006061$
 THETA = 30.0 DEGREES 50% SE41SPAN

FRACTION OF GW/SIDE = .0250 CUSH WT = 84.8 GEAR WT = 130.5
 LIFT = 37450.0 L/A = 12.609 W/D = .257 HP = 3781.887
 PJ = 132.317 QJ = 15720.136 A = 3.123
 SHP/ENG = 2644.2 SHP TOTAL = 22155.7
 NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 421.8
 WIFAN = 5908.9 WTGB = 1158.8 WITS = 2469.7
 WT AIRU = 9537.3
 WT AIRI = 11921.6 WFUEL = 1492.3 WT TIP GEAR = 750.
 WT MAIN GEAR = 49366. WT WING = 282500.
 WT SYS = 14364. WT STRUCT = 331866.
 TOTAL WEIGHT = 346230. DEL WT = -5153.

FRACTION OF GW/SIDE = .0500 CUSH WT = 92.3 GEAR WT = 130.0
 LIFT = 74900.0 L/A = 25.219 W/D = .199 HP = 10349.887
 PJ = 259.274 QJ = 21903.492 A = 3.123
 SHP/ENG = 7249.0 SHP TOTAL = 57991.9
 NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 590.4
 WIFAN = 11572.2 WTGB = 1970.8 WITS = 6770.6
 WT AIRU = 20313.5
 WT AIRI = 25391.9 WFUEL = 4639.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 3531. WT STRUCT = 314525.
 TOTAL WEIGHT = 351056. DEL WT = -327.

FRACTION OF GW/SIDE = .0750 CUSH WT = 98.6 GEAR WT = 122.8
 LIFT = 112350.0 L/A = 37.828 W/D = .238 HP = 18149.745
 PJ = 376.760 QJ = 26489.407 A = 3.229

SHP/ENG = 12697.2 SHP TOTAL = 101497.0

NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 711.7

WTFAN = 16801.4 WTGR = 2472.6 WTS = 11849.8

WT AIRU = 31123.8

WT AIRI = 33904.7 WFUEL = 9119.8 WT TIP GEAR = 2250.

WT MAIN GEAR = 45302. WT WING = 242400.

WT SYS = 44274. WT STRUCT = 307702.

TOTAL WEIGHT = 356976. DEL WT = 5593.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5

LIFT = 149900.0 L/A = 50.438 M/W = .222 HP = 25992.946

PJ = 477.954 OJ = 9793.391 A = 3.404

SHP/ENG = 18155.8 SHP TOTAL = 144819.5

NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 801.6

WTFAN = 21284.2 WTGR = 2905.2 WTS = 16927.6

WT AIRU = 41095.9

WT AIRI = 51371.1 WFUEL = 11585.5 WT TIP GEAR = 3000.

WT MAIN GEAR = 42477. WT WING = 253831.

WT SYS = 65957. WT STRUCT = 296708.

TOTAL WEIGHT = 362665. DEL WT = 11282.

FRACTION OF SW/SIDE = .1270 CUSH HT = 55.8 GEAR HT = 98.0

LIFT = 190245.0 L/A = 64.055 M/W = .199 HP = 32990.914

PJ = 962.634 OJ = 32250.070 A = 3.487

SHP/ENG = 23066.8 SHP TOTAL = 184532.5

NO FAN = 28.7 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 849.7

WTFAN = 24996.8 WTGR = 3465.6 WTS = 21544.2

WT AIRU = 50006.6

WT AIRI = 62508.2 WFUEL = 14762.6 WT TIP GEAR = 3813.

WT MAIN GEAR = 41111. WT WING = 253831.

WT SYS = 81081. WT STRUCT = 241825.

TOTAL WEIGHT = 372904. DEL WT = 21523.

FRACTION OF SW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 86.0

LIFT = 224700.0 L/A = 75.651 M/W = .183 HP = 38972.856

PJ = 625.269 OJ = 33979.528 A = 3.936

SHP/ENG = 26969.3 SHP TOTAL = 215754.7

NO FAN = 28.6 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 918.9

WTFAN = 27723.7 WTGR = 4120.2 WTS = 25189.4

WT AIRU = 57033.2

WT AIRI = 71291.5 WFUEL = 14762.6 WT TIP GEAR = 4813.

WT MAIN GEAR = 38035. WT WING = 243857.

WT SYS = 93052. WT STRUCT = 281892.

TOTAL WEIGHT = 374444. DEL WT = 23561.

T = 2.0 INCHES T/W = .006061

THETA = 45.0 DEGREES 50% SEMISPAN

FRACTION OF SW/SIDE = .5250 CUSH HT = 84.8 GEAR HT = 130.5

LIFT = 37450.0 L/A = 12.509 M/W = .257 HP = 3597.553

PJ = 127.001 OJ = 15343.334 A = 3.200

SHP/ENG = 2080.4 SHP TOTAL = 19802.8

NO FAN = 28.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 413.2

WTFAN = 5657.6 WTGR = 3114.6 WTS = 2316.7

WT AIRU = 9246.0
 WT AIRI = 11361.0 WFUEL = 1587.4 WT TIP GEAR = 750.
 WT MAIN GEAR = 49366. WT WING = 292500.
 WT SYS = 13699. WT STRUCT = 331816.
 TOTAL WEIGHT = 345564. DEL WT = -581.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 9699.877
 PU = 249.433 QU = 21874.336 A = 3.276
 SHP/ENG = 672.0 SHP TOTAL = 54255.6
 NO FAN = 24.8 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 577.9
 WIFAN = 11240.2 WTGB = 1911.5 WTIS = 6338.3
 WT AIRU = 19306.0
 WT AIRI = 24132.6 WFUEL = 1340.4 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 29973. WT STRUCT = 319525.
 TOTAL WEIGHT = 349498. DEL WT = -1885.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 16909.699
 PU = 360.046 QU = 25828.040 A = 3.397
 SHP/ENG = 11872.4 SHP TOTAL = 94583.0
 NO FAN = 25.7 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 695.8
 WIFAN = 16015.3 WTGB = 2404.2 WTIS = 11842.6
 WT AIRU = 29462.0
 WT AIRI = 36827.6 WFUEL = 7565.5 WT TIP GEAR = 2250.
 WT MAIN GEAR = 45302. WT WING = 262400.
 WT SYS = 46644. WT STRUCT = 307702.
 TOTAL WEIGHT = 354346. DEL WT = 2963.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
 LIFT = 149800.0 L/A = 50.439 H/W = .222 HP = 23985.279
 PU = 455.071 QU = 28998.651 A = 3.595
 SHP/ENG = 15772.6 SHP TOTAL = 134150.0
 NO FAN = 28.7 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 782.2
 WIFAN = 20207.3 WTGB = 2787.8 WTIS = 15663.2
 WT AIRU = 38658.3
 WT AIRI = 49322.9 WFUEL = 10732.8 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42877. WT WING = 253831.
 WT SYS = 62056. WT STRUCT = 295709.
 TOTAL WEIGHT = 358764. DEL WT = 4301.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
 LIFT = 190244.0 L/A = 64.054 H/W = .199 HP = 303096036
 PU = 532.439 QU = 31205.212 A = 3.922
 SHP/ENG = 21101.4 SHP TOTAL = 159531.6
 NO FAN = 24.4 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 846.4
 WIFAN = 21596.1 WTGB = 3222.3 WTIS = 19742.9
 WT AIRU = 45613.4
 WT AIRI = 54266.7 WFUEL = 13562.5 WT TIP GEAR = 3810.
 WT MAIN GEAR = 40225. WT WING = 251700.
 WT SYS = 75639. WT STRUCT = 291826.
 TOTAL WEIGHT = 367164. DEL WT = 16081.

FRACTION OF SW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
 LIFT = 224700.0 L/A = 75.657 M/W = .183 HP = 75220.439
 PJ = 589.949 QJ = 32891.099 A = 4.201
 SHP/ENG = 24605.4 SHP TOTAL = 197003.2
 NO FAN = 26.5 NO/SEG = 5.1 LIMIT/SEG = 15.4 VTIP = 600.5
 WIFAN = 24063.2 WTGR = 3497.3 WITS = 23000.1
 WT AIRU = 52760.6
 WT AIRI = 65950.8 WFUEL = 15760.3 WT TIP GEAR = 4500.
 WT MAIN GEAR = 78035. WT WING = 243857.
 WT SYS = 86211. WT STRUCT = 281892.
 TOTAL WEIGHT = 36810 DEL WT = 16720.

T = 2.0 INCHES T/W = .006061
 THETA = 50.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 64.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 M/W = .257 HP = 3519.547
 PJ = 126.490 QJ = 15303.947 A = 3.225
 SHP/ENG = 2460.8 SHP TOTAL = 19685.4
 NO FAN = 28.7 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 412.4
 WIFAN = 5524.2 WTGR = 1105.7 WITS = 2299.4
 WT AIRU = 9031.3
 WT AIRI = 11289.1 WFUEL = 1574.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 49366. WT WING = 282500.
 WT SYS = 13614. WT STRUCT = 331856.
 TOTAL WEIGHT = 395180. DEL WT = 5903.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 70900.0 L/A = 23.214 M/W = .257 HP = 9596.217
 PJ = 246.980 QJ = 21369.865 A = 3.306
 SHP/ENG = 6709.5 SHP TOTAL = 53675.8
 NO FAN = 28.7 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 576.2
 WIFAN = 10974.2 WTGR = 1901.2 WITS = 6268.6
 WT AIRU = 19142.1
 WT AIRI = 23527.5 WFUEL = 4294.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272647.
 WT SYS = 29722. WT STRUCT = 319525.
 TOTAL WEIGHT = 344246. DEL WT = 2137.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.0
 LIFT = 412350.0 L/A = 37.828 M/W = .258 HP = 166584493
 PJ = 356.995 QJ = 25684.696 A = 3.392
 SHP/ENG = 12607.3 SHP TOTAL = 93178.2
 NO FAN = 24.7 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 692.8
 WIFAN = 15545.5 WTGR = 2344.3 WITS = 11478.2
 WT AIRU = 29313.4
 WT AIRI = 15791.9 WFUEL = 7454.3 WT TIP GEAR = 2250.
 WT MAIN GEAR = 45302. WT WING = 262400.
 WT SYS = 44095. WT STRUCT = 307702.
 TOTAL WEIGHT = 3537 DEL WT = 1415.

FRACTION OF GW/SIDE = .1000 CUSH HT = 75.2 GEAR HT = 112.5
 LIFT = 140400.0 L/A = 30.988 M/W = .222 HP = 23481.598

PJ = 440.332 QJ = 24702.370 A = 3.657
 SHP/ENG = 16417.8 SHP TOTAL = 131342.7
 NO FAN = 28.6 NO/SEG = 5.2 LIMIT/SEG = 15.4 VTIP = 777.2
 WIFAN = 19908.9 WTGB = 2757.7 WITS = 15438.3
 WT AIRU = 39000.8
 WT AIRI = 47501.0 WFUEL = 10507.4 WT TIP GEAR = 3000.
 WT MAIN GEAR = 92477. WT WING = 253831.
 WT SYS = 61008. WT STRUCT = 296708.
 TOTAL WEIGHT = 357717. DEL WT = 6334.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
 LIFT = 193246.0 L/A = 64.056 H/W = .199 HP = 29413.615
 PJ = 523.140 QJ = 30423.03 A = 3.657
 SHP/ENG = 20565.4 SHP TOTAL = 164525.1
 NO FAN = 28.5 NO/SEG = 5.1 LIMIT/SEG = 15.4 VTIP = 838.6
 WIFAN = 23112.3 WTGB = 3149.4 WITS = 19208.1
 WT AIRU = 45469.7
 WT AIRI = 54937.1 WFUEL = 1316.8 WT TIP GEAR = 3810.
 WT MAIN GEAR = 90125. WT WING = 251700.
 WT SYS = 73809. WT STRUCT = 291825.
 TOTAL WEIGHT = 365638. DEL WT = 18251.

FRACTION OF GW/SIDE = .2500 CUSH HT = 60.5 GEAR HT = 86.0
 LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 33961.750
 PJ = 576.727 QJ = 32387.848 A = 4.319
 SHP/ENG = 23745.3 SHP TOTAL = 189962.8
 NO FAN = 28.5 NO/SEG = 5.1 LIMIT/SEG = 15.4 VTIP = 880.5
 WIFAN = 25416.0 WTGB = 3559.3 WITS = 22178.2
 WT AIRU = 51153.5
 WT AIRI = 63941.8 WFUEL = 15197.0 WT TIP GEAR = 4750.
 WT MAIN GEAR = 38035. WT WING = 251700.
 WT SYS = 83639. WT STRUCT = 281825.
 TOTAL WEIGHT = 365531. DEL WT = 14148.

T = 4.0 INCHES T/W = .012121
 THETA = 15.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 3116.645
 PJ = 73.960 QJ = 23208.020 A = 2.904
 SHP/ENG = 2179.1 SHP TOTAL = 17432.8
 NO FAN = 57.0 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 315.1
 WIFAN = 6517.5 WTGB = 1249.4 WITS = 2035.3
 WT AIRU = 9802.3
 WT AIRI = 12252.8 WFUEL = 1394.6 WT TIP GEAR = 750.
 WT MAIN GEAR = 20365. WT WING = 202500.
 WT SYS = 14397. WT STRUCT = 331866.
 TOTAL WEIGHT = 346263. DEL WT = -5120.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 8573.643
 PJ = 145.098 QJ = 32498.811 A = 2.860
 SHP/ENG = 5904.5 SHP TOTAL = 47956.1
 NO FAN = 56.9 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 341.7

WTFAN = 12792.0 WTGR = 2143.1 WTS = 5598.9

WT AIRU = 20534.0

WT AIRI = 25667.5 WFUEL = 3836.5 WT TIP GEAR = 1500.

WT MAIN GEAR = 47478. WT WING = 272047.

WT SYS = 31004. WT STRUCT = 319525.

TOTAL WEIGHT = 350529. DEL WT = -854.

FRACTION OF SW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8

LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 15985.003

PJ = 211.574 QJ = 39105.883 A = 2.949

SHP/ENG = 10597.1 SHP TOTAL = 44376.9

NO FAN = 56.9 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 533.5

WTFAN = 18634.4 WTGR = 2672.1 WTS = 9852.9

WT AIRU = 31157.4

WT AIRI = 39946.8 WFUEL = 4750.2 WT TIP GEAR = 2250.

WT MAIN GEAR = 45302. WT WING = 252400.

WT SYS = 47947. WT STRUCT = 307702.

TOTAL WEIGHT = 355640. DEL WT = 4246.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5

LIFT = 149470.0 L/A = 50.938 H/W = .222 HP = 21699.446

PJ = 270.154 QJ = 44175.822 A = 3.096

SHP/ENG = 15171.8 SHP TOTAL = 321374.4

NO FAN = 56.7 NO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 602.7

WTFAN = 23726.7 WTGR = 7028.9 WTS = 14179.5

WT AIRU = 40925.1

WT AIRI = 51157.6 WFUEL = 9710.0 WT TIP GEAR = 3000.

WT MAIN GEAR = 42877. WT WING = 253831.

WT SYS = 63948. WT STRUCT = 296708.

TOTAL WEIGHT = 360376. DEL WT = 4215.

FRACTION OF SW/SIDE = .1270 CUSH HT = 55.8 GEAR HT = 98.0

LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 27985.811

PJ = 320.935 QJ = 47940.520 A = 3.135

SHP/ENG = 19567.1 SHP TOTAL = 356536.7

NO FAN = 56.5 NO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 656.9

WTFAN = 28075.8 WTGR = 3420.5 WTS = 18275.7

WT AIRU = 49771.9

WT AIRI = 62214.9 WFUEL = 12522.9 WT TIP GEAR = 3810.

WT MAIN GEAR = 40125. WT WING = 252700.

WT SYS = 78548. WT STRUCT = 241625.

TOTAL WEIGHT = 370373. DEL WT = 18990.

FRACTION OF SW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 86.0

LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 33031.164

PJ = 359.242 QJ = 50570.700 A = 3.543

SHP/ENG = 23074.7 SHP TOTAL = 344757.6

NO FAN = 56.3 NO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 695.0

WTFAN = 31320.4 WTGR = 3475.3 WTS = 21570.4

WT AIRU = 56769.5

WT AIRI = 70951.9 WFUEL = 14780.6 WT TIP GEAR = 4500.

WT MAIN GEAR = 38035. WT WING = 243857.

WT SYS = 90443. WT STRUCT = 281892.

TOTAL WEIGHT = 372135. DEL WT = 20752.

T = 4.0 INCHES T/W = .012121
 THETA = 30.0 DEGREES 502 SPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 34.6 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.509 H/W = .257 HP = 2769.923
 PJ = 66.537 QJ = 22228.167 A = 3.057
 SHP/ENG = 1946.7 SHP TOTAL = 15493.4
 VO FAN = 56.7 VO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 303.5
 WIFAN = 6013.2 WIFR = 1161.7 WIFS = 1808.4
 WT AIRU = 8983.8
 WT AIRI = 11224.7 WFUEL = 1239.5 WT TIP GEAR = 753.
 WT MAIN GEAR = 49366. WT WING = 292500.
 WT SYS = 13219. WT STRUCT = 331856.
 TOTAL WEIGHT = 345085. DEL WT = -6294.

FRACTION OF SW/SIDE = .0500 CUSH HT = 32.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 7601.661
 PJ = 134.992 QJ = 31008.289 A = 3.123
 SHP/ENG = 534.9 SHP TOTAL = 42519.4
 VO FAN = 56.6 VO/SEG = 12.2 LIMIT/SEG = 15.4 VTIP = 425.1
 WIFAN = 11742.7 WIFR = 2024.4 WIFS = 4964.1
 WT AIRU = 8771.2
 WT AIRI = 23464.0 WFUEL = 3401.6 WT TIP GEAR = 1503.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 24346. WT STRUCT = 319425.
 TOTAL WEIGHT = 347440. DEL WT = -3493.

FRACTION OF SW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.3
 LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 13326.895
 PJ = 195.497 QJ = 37858.820 A = 3.229
 SHP/ENG = 9317.9 SHP TOTAL = 74543.1
 VO FAN = 56.6 VO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 512.9
 WIFAN = 7222.4 WIFR = 2554.2 WIFS = 8732.9
 WT AIRU = 28379.4
 WT AIRI = 35474.3 WFUEL = 5963.4 WT TIP GEAR = 2253.
 WT MAIN GEAR = 65302. WT WING = 252800.
 WT SYS = 43688. WT STRUCT = 307702.
 TOTAL WEIGHT = 351390. DEL WT = 7.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
 LIFT = 149820.0 L/A = 50.438 H/W = .222 HP = 19368.051
 PJ = 244.957 QJ = 42175.409 A = 3.404
 SHP/ENG = 13372.0 SHP TOTAL = 104655.9
 VO FAN = 56.7 VO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 578.5
 WIFAN = 21719.3 WIFR = 2886.5 WIFS = 12452.1
 WT AIRU = 37057.9
 WT AIRI = 46322.9 WFUEL = 8532.5 WT TIP GEAR = 3003.
 WT MAIN GEAR = 42477. WT WING = 253831.
 WT SYS = 57855. WT STRUCT = 226704.
 TOTAL WEIGHT = 354463. DEL WT = 1190.

FRACTION OF SW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0

LIFT = 190246.0 L/A = 48.055 H/W = .299 HP = 29977.301

PJ = 299.408 QJ = 95596.595 A = 3.589

SHP/ENG = 17045.1 SHP TOTAL = 136520.6

NO FAN = 56.1 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 629.1

WTFAN = 25555.1 WTGR = 7175.3 WTS = 15938.6

WT AIRU = 44679.2

WT AIRI = 55848.9 WFUEL = 10921.6 WT TIP GEAR = 3811.

WT MAIN GEAR = 90125. WT WING = 251700.

WT SYS = 70581. WT STRUCT = 291825.

TOTAL WEIGHT = 362405. DEL WT = 11222.

FRACTION OF GW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 86.0

LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 28648.882

PJ = 328.481 QJ = 47968.917 A = 3.936

SHP/ENG = 24070.7 SHP TOTAL = 19245.6

NO FAN = 55.9 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 664.5

WTFAN = 28409.0 WTGR = 3464.6 WTS = 18708.7

WT AIRU = 50522.3

WT AIRI = 63227.6 WFUEL = 12819.6 WT TIP GEAR = 4503.

WT MAIN GEAR = 78035. WT WING = 243857.

WT SYS = 80547. WT STRUCT = 201892.

TOTAL WEIGHT = 362440. DEL WT = 11057.

Y = 4.0 INCHES Y/W = .012121

THETA = 45.0 DEGREES 508 SEMISPAN

FRACTION OF GW/SIDE = .1250 CUSH HT = 84.8 GEAR HT = 130.5

LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 2610.830

PJ = 56.124 QJ = 21722.694 A = 3.200

SHP/ENG = 1925.4 SHP TOTAL = 24625.6

NO FAN = 56.4 NO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 298.1

WTFAN = 5771.2 WTGR = 1118.9 WTS = 1705.0

WT AIRU = 8595.1

WT AIRI = 10743.5 WFUEL = 1168.3 WT TIP GEAR = 750.

WT MAIN GEAR = 93555. WT WING = 292500.

WT SYS = 12662. WT STRUCT = 331856.

TOTAL WEIGHT = 344528. DEL WT = 6855.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0

LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 7147.247

PJ = 120.467 QJ = 30362.789 A = 3.276

SHP/ENG = 4997.2 SHP TOTAL = 39977.6

NO FAN = 56.3 NO/SEG = 12.1 LIMIT/SEG = 15.4 VTIP = 417.2

WTFAN = 11289.2 WTGR = 1962.5 WTS = 4557.4

WT AIRU = 17914.4

WT AIRI = 22749.2 WFUEL = 3104.2 WT TIP GEAR = 1500.

WT MAIN GEAR = 47478. WT WING = 272047.

WT SYS = 27097. WT STRUCT = 319535.

TOTAL WEIGHT = 346522. DEL WT = 4742.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8

LIFT = 112350.0 L/A = 37.820 H/W = .298 HP = 12069.624

PJ = 188.016 QJ = 36517.781 A = 3.397

SHP/ENG = 8728.3 SHP TOTAL = 69826.3

NO FAN = 55.2 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 502.8
 WIFAN = 15362.3 WTGR = 2491.6 WITS = 8152.2
 WT AIRU = 27006.1
 WT AIRI = 33257.7 WFUEL = 5586.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 85102. WT WING = 262400.
 WT SYS = 41598. WT STRUCT = 307702.
 TOTAL WEIGHT = 549296. DEL WT = 2097.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
 LIFT = 149800.0 L/A = 50.439 H/W = .222 HP = 17763.043
 PJ = 238.372 QJ = 40985.035 A = 3.595
 SHP/ENG = 1289.5 SHP TOTAL = 99356.8

NO FAN = 56.0 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 504.1
 WIFAN = 20577.2 WTGR = 2814.2 WITS = 11599.9
 WT AIRU = 35291.3
 WT AIRI = 43844.1 WFUEL = 7044.5 WT TIP GEAR = 3000.
 WT MAIN GEAR = 92677. WT WING = 253831.
 WT SYS = 54513. WT STRUCT = 295726.
 TOTAL WEIGHT = 351521. DEL WT = 138.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.6 GEAR HT = 98.0
 LIFT = 140246.0 L/A = 64.054 H/W = .199 HP = 22561.907
 PJ = 220.553 QJ = 14229.153 A = 3.927
 SHP/ENG = 15774.8 SHP TOTAL = 126193.5

NO FAN = 55.7 NO/SEG = 11.9 LIMIT/SEG = 15.4 VTIP = 614.2
 WIFAN = 24208.3 WTGR = 3065.2 WITS = 18733.7
 WT AIRU = 42007.1
 WT AIRI = 52505.9 WFUEL = 10095.9 WT TIP GEAR = 3810.
 WT MAIN GEAR = 30125. WT WING = 251700.
 WT SYS = 66415. WT STRUCT = 291854.
 TOTAL WEIGHT = 358240. DEL WT = 6857.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 96.0
 LIFT = 224700.0 L/A = 75.657 H/W = .163 HP = 24339.540
 PJ = 311.991 QJ = 45425.874 A = 4.201
 SHP/ENG = 18412.6 SHP TOTAL = 147300.6

NO FAN = 55.5 NO/SEG = 11.9 LIMIT/SEG = 15.4 VTIP = 687.6
 WIFAN = 26795.7 WTGR = 3291.3 WITS = 17197.3
 WT AIRU = 47284.3
 WT AIRI = 59105.4 WFUEL = 11784.0 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38035. WT WING = 243857.
 WT SYS = 75389. WT STRUCT = 281092.
 TOTAL WEIGHT = 357282. DEL WT = 5899.

T = 0.0 INCHES T/W = .012121
 THETA = 60.0 DEGREES FOR SPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 54.8 GEAR HT = 134.5
 LIFT = 37150.0 L/A = 12.609 H/W = .257 HP = 2599.785
 PJ = 66.084 QJ = 21677.267 A = 3.225
 SHP/ENG = 1817.7 SHP TOTAL = 4541.7

NO FAN = 56.2 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 298.1
 WIFAN = 5717.7 WTGR = 1114.8 WITS = 1697.7
 WT AIRU = 8560.2

WT AIRI = 10700.2 WFUEL = 1263.3 WT TIP GEAR = 753.
 WT MAIN GEAR = 49366. WT WING = 252500.
 WT SYS = 12619. WT STRUCT = 331866.
 TOTAL WEIGHT = 348470. DEL WT = -6904.

FRACTION OF SW/SIDE = .0750 CUSH HT = 32.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .209 HP = 7097.751
 PJ = 129.205 QJ = 30213.819 A = 3.308
 SHP/ENG = 4962.8 SHP TOTAL = 9702.8
 NO FAN = 56.1 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 416.8
 WIFAN = 11222.4 WTGR = 1954.2 WITS = 4635.1
 WT AIRU = 17811.6

WT AIRI = 22264.5 WFUEL = 3176.1 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 26981. WT STRUCT = 319425.
 TOTAL WEIGHT = 346465. DEL WT = -4919.

FRACTION OF SW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.824 H/W = .238 HP = 12347.123
 PJ = 147.154 QJ = 36285.160 A = 3.440
 SHP/ENG = 9672.9 SHP TOTAL = 69062.8
 NO FAN = 56.0 NO/SEG = 12.0 LIMIT/SEG = 15.4 VTIP = 501.6
 WIFAN = 16226.7 WTGR = 2479.6 WITS = 8063.1

WT AIRU = 25762.8
 WT AIRI = 33453.5 WFUEL = 5525.0 WT TIP GEAR = 2250.
 WT MAIN GEAR = 45302. WT WING = 262800.
 WT SYS = 41228. WT STRUCT = 307702.
 TOTAL WEIGHT = 348930. DEL WT = -2453.

FRACTION OF SW/SIDE = .1000 CUSH HT = 75.2 GEAR HT = 112.9
 LIFT = 149800.0 L/A = 50.439 H/W = .222 HP = 17464.161
 PJ = 236.381 QJ = 40634.718 A = 3.557
 SHP/ENG = 12210.6 SHP TOTAL = 97684.6
 NO FAN = 55.6 NO/SEG = 11.9 LIMIT/SEG = 15.4 VTIP = 563.7
 WIFAN = 20414.7 WTGR = 2795.5 WITS = 11804.7

WT AIRU = 34614.9
 WT AIRI = 43268.6 WFUEL = 7844.8 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42677. WT WING = 253831.
 WT SYS = 54083. WT STRUCT = 296708.
 TOTAL WEIGHT = 350792. DEL WT = -591.

FRACTION OF SW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
 LIFT = 195246.0 L/A = 44.355 H/W = .199 HP = 21998.862
 PJ = 276.776 QJ = 43715.419 A = 4.012
 SHP/ENG = 15301.1 SHP TOTAL = 125249.2
 NO FAN = 55.5 NO/SEG = 11.9 LIMIT/SEG = 15.4 VTIP = 610.0
 WIFAN = 23765.1 WTGR = 3031.4 WITS = 14366.0

WT AIRU = 41162.5
 WT AIRI = 51453.5 WFUEL = 9441.9 WT TIP GEAR = 3810.
 WT MAIN GEAR = 40125. WT WING = 251700.
 WT SYS = 65107. WT STRUCT = 291425.
 TOTAL WEIGHT = 356932. DEL WT = 5549.

FRACTION OF GW/SIDE = .1500 CUSH HT = 82.5 GEAR HT = 86.9
 LIFT = 224700.0 L/A = 75.657 H/W = .193 HP = 25523.605
 PJ = 305.629 QJ = 15791.694 A = 4.319
 SHP/ENG = 17995.6 SHP TOTAL = 142769.6
 NO FAN = 55.2 NO/SEG = 11.8 LIMIT/SEG = 15.4 VTIP = 642.1
 WIFAN = 25196.2 WTGR = 3234.5 WITS = 16567.8
 WT AIRU = 45095.7
 WT AIRI = 57623.4 WFUEL = 11421.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 78035. WT WING = 243857.
 WT SYS = 73585. WT STRUCT = 281822.
 TOTAL WEIGHT = 559337. DEL WT = 4054.

T = 6.0 INCHES T/M = .018182
 THETA = 15.0 DEGREES 508 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.6 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 2620.718
 PJ = 56.720 QJ = 28916.705 A = 2.904
 SHP/ENG = 1832.4 SHP TOTAL = 14658.0
 NO FAN = 84.2 NO/SEG = 19.1 LIMIT/SEG = 15.4 VTIP = 261.1
 WIFAN = 6613.5 WTGR = 1261.0 WITS = 1711.4
 WT AIRU = 9585.9
 WT AIRI = 11992.4 WFUEL = 1172.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 54366. WT WING = 282500.
 WT SYS = 13905. WT STRUCT = 331866.
 TOTAL WEIGHT = 345771. DEL WT = 9812.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 7215.757
 PJ = 99.728 QJ = 30795.039 A = 3.959
 SHP/ENG = 5095.1 SHP TOTAL = 40760.4
 NO FAN = 84.2 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 366.2
 WIFAN = 12986.0 WTGR = 2196.2 WITS = 4712.1
 WT AIRU = 14694.4
 WT AIRI = 24454.0 WFUEL = 3224.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 17470. WT WING = 272047.
 WT SYS = 24597. WT STRUCT = 319525.
 TOTAL WEIGHT = 349122. DEL WT = 2261.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.828 H/W = .2738 HP = 12713.718
 PJ = 145.694 QJ = 47994.738 A = 2.949
 SHP/ENG = 8909.2 SHP TOTAL = 71113.4
 NO FAN = 84.2 NO/SEG = 19.0 LIMIT/SEG = 15.4 VTIP = 442.5
 WIFAN = 18930.2 WTGR = 2755.4 WITS = 4302.5
 WT AIRU = 14949.1
 WT AIRI = 37407.6 WFUEL = 5489.1 WT TIP GEAR = 2250.
 WT MAIN GEAR = 45302. WT WING = 252400.
 WT SYS = 32437. WT STRUCT = 307722.
 TOTAL WEIGHT = 355159. DEL WT = 1756.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.9
 LIFT = 149900.0 L/A = 50.438 H/W = .222 HP = 18330.656
 PJ = 186.348 QJ = 54090.889 A = 1.896

SHP/ENG = 128.6.4 SHP TOTAL = 102531.3

NO FAN = 83.6 NO/SEG = 18.9 LIMIT/SEG = 15.4 VTIP = 500.6

WTFAN = 24130.8 WTGR = 3104.1 WTS = 11970.5

WT AIRU = 39205.4

WT AIRI = 49006.8 WFUEL = 4202.5 WT TIP GEAR = 3000.

WT MAIN GEAR = 82477. WT WING = 253831.

WT SYS = 52229. WT STRUCT = 29575.9

TOTAL WEIGHT = 356918. DEL WT = 5535.

FRACTION OF SW/SIDE = .1270 CUSH HT = 55.4 GEAR HT = 98.0

LIFT = 190246.0 L/A = 64.055 H/W = .199 HP = 23730.192

PJ = 122.262 QJ = 58721.518 A = 3.335

SHP/ENG = 16591.7 SHP TOTAL = 132733.2

NO FAN = 83.1 NO/SEG = 18.8 LIMIT/SEG = 15.4 VTIP = 546.6

WTFAN = 29505.9 WTGR = 3389.6 WTS = 15496.6

WT AIRU = 47492.1

WT AIRI = 59365.2 WFUEL = 10519.7 WT TIP GEAR = 3911.

WT MAIN GEAR = 90125. WT WING = 251706.

WT SYS = 73794. WT STRUCT = 291825.

TOTAL WEIGHT = 365619. DEL WT = 14236.

FRACTION OF SW/SIDE = .1500 CUSH HT = 50.5 GEAR HT = 86.0

LIFT = 224700.0 L/A = 73.557 H/W = .193 HP = 29399.411

PJ = 249.615 QJ = 61914.045 A = 3.543

SHP/ENG = 19646.5 SHP TOTAL = 157172.2

NO FAN = 82.7 NO/SEG = 18.7 LIMIT/SEG = 15.4 VTIP = 579.3

WTFAN = 31954.3 WTGR = 3640.6 WTS = 18349.8

WT AIRU = 53994.7

WT AIRI = 67493.4 WFUEL = 12573.8 WT TIP GEAR = 4521.

WT MAIN GEAR = 10035. WT WING = 251706.

WT SYS = 84567. WT STRUCT = 281692.

TOTAL WEIGHT = 366459. DEL WT = 15076.

T = 6.0 INCHES T/W = .018182

THETA = 30.0 DEGREES 508 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5

LIFT = 37450.0 L/A = 12.604 H/W = .257 HP = 2342.102

PJ = 47.330 QJ = 27216.777 A = 3.057

SHP/ENG = 1537.6 SHP TOTAL = 13100.6

NO FAN = 83.9 NO/SEG = 18.9 LIMIT/SEG = 15.4 VTIP = 292.3

WTFAN = 6118.5 WTGR = 1174.5 WTS = 1529.5

WT AIRU = 9822.3

WT AIRI = 11027.9 WFUEL = 1044.0 WT TIP GEAR = 750.

WT MAIN GEAR = 29355. WT WING = 292500.

WT SYS = 12425. WT STRUCT = 332446.

TOTAL WEIGHT = 344592. DEL WT = 6691.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0

LIFT = 74900.0 L/A = 25.214 H/W = .249 HP = 6434.401

PJ = 92.941 QJ = 34076.995 A = 3.123

SHP/ENG = 4498.8 SHP TOTAL = 35990.4

NO FAN = 83.4 NO/SEG = 18.8 LIMIT/SEG = 15.4 VTIP = 353.9

WTFAN = 11995.2 WTGR = 2073.4 WTS = 4201.7

WT AIRU = 1927.5

WT AIRI = 22839.1 W FUEL = 2879.2 WT TIP GEAR = 1500.

WT MAIN GEAR = 87478. WT WING = 272047.

WT SYS = 27237. WT STRUCT = 319525.

TOTAL WEIGHT = 346792. DEL WT = -4641.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.0

LIFT = 112350.0 L/A = 37.928 H/A = .238 HP = 11299.331

PJ = 135.517 QJ = 15858.852 A = 3.229

SHP/ENG = 7970.3 SHP TOTAL = 63202.0

NO FAN = 33.2 NO/SEG = 14.3 LIMIT/SEG = 15.4 VTIP = 426.8

WIFAN = 17428.5 WIGB = 2685.1 WITS = 7378.5

WT AIRU = 21468.4

WT AIRI = 34335.5 W FUEL = 5054.2 WT TIP GEAR = 2250.

WT MAIN GEAR = 95352. WT WING = 262830.

WT SYS = 41542. WT STRUCT = 307702.

TOTAL WEIGHT = 349144. DEL WT = -2039.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5

LIFT = 149800.0 L/A = 51.438 H/A = .222 HP = 15211.193

PJ = 172.878 QJ = 51574.959 A = 3.404

SHP/ENG = 11374.5 SHP TOTAL = 90576.2

NO FAN = 32.9 NO/SEG = 14.3 LIMIT/SEG = 15.4 VTIP = 482.1

WIFAN = 22158.9 WIGB = 2982.2 WITS = 10586.4

WT AIRU = 35727.6

WT AIRI = 94659.5 W FUEL = 7254.1 WT TIP GEAR = 3600.

WT MAIN GEAR = 92477. WT WING = 253831.

WT SYS = 54914. WT STRUCT = 295705.

TOTAL WEIGHT = 351422. DEL WT = 239.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0

LIFT = 190246.0 L/A = 64.056 H/A = .199 HP = 20842.951

PJ = 205.366 QJ = 55620.358 A = 3.689

SHP/ENG = 14573.2 SHP TOTAL = 115443.7

NO FAN = 32.2 NO/SEG = 18.6 LIMIT/SEG = 15.4 VTIP = 525.4

WIFAN = 26139.5 WIGB = 3222.6 WITS = 13611.1

WT AIRU = 42973.3

WT AIRI = 53716.6 W FUEL = 9326.7 WT TIP GEAR = 3810.

WT MAIN GEAR = 90125. WT WING = 251700.

WT SYS = 54953. WT STRUCT = 291875.

TOTAL WEIGHT = 358578. DEL WT = 7298.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0

LIFT = 224700.0 L/A = 75.657 H/A = .183 HP = 24559.049

PJ = 232.432 QJ = 5719.915 A = 3.934

SHP/ENG = 17171.2 SHP TOTAL = 137369.4

NO FAN = 51.7 NO/SEG = 19.4 LIMIT/SEG = 15.4 VTIP = 550.1

WIFAN = 29107.4 WIGB = 3425.9 WITS = 16037.2

WT AIRU = 44566.2

WT AIRI = 50707.6 W FUEL = 10654.6 WT TIP GEAR = 4500.

WT MAIN GEAR = 78035. WT WING = 243457.

WT SYS = 76197. WT STRUCT = 281892.

TOTAL WEIGHT = 358189. DEL WT = 6706.

T = 6.0 INCHES T/W = .018182
 THETA = 45.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.3
 LIFT = 37450.0 L/A = 12.604 H/D = .257 HP = 2218.114
 PJ = 85.871 QJ = 15506.778 A = 3.220
 SHP/ENG = 1550.9 SHP TOTAL = 12406.9
 NO FAN = 82.9 NO/SEG = 19.7 LIMIT/SEG = 15.4 VTIP = 249.3
 W/FAN = 5985.6 W/GB = 133.0 W/TS = 1848.5
 WT AIRU = 9467.5
 WT AIRI = 10564.4 WFUEL = 992.5 WT TIP GEAR = 750.
 WT MAIN GEAR = 9934.1 WT WING = 29250.
 WT SYS = 12327.4 WT STRUCT = 39188.6
 TOTAL WEIGHT = 344193. DEL WT = -7190.

FRACTION OF GW/SIDE = .0500 CUSH HT = 62.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/D = .249 HP = 6079.352
 PJ = 89.987 QJ = 37173.443 A = 3.276
 SHP/ENG = 4250.6 SHP TOTAL = 34004.5
 NO FAN = 82.7 NO/SEG = 18.7 LIMIT/SEG = 15.4 VTIP = 347.7
 W/FAN = 11520.4 W/GB = 7011.5 W/TS = 3470.0
 WT AIRU = 17501.9
 WT AIRI = 21977.3 WFUEL = 2720.9 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 26049. WT STRUCT = 319525.
 TOTAL WEIGHT = 395422. DEL WT = -5761.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.9
 LIFT = 812350.0 L/A = 37.828 H/D = .258 HP = 10630467.
 PJ = 130.876 QJ = 44707.531 A = 3.397
 SHP/ENG = 7438.2 SHP TOTAL = 59505.2
 NO FAN = 82.5 NO/SEG = 18.6 LIMIT/SEG = 15.4 VTIP = 419.5
 W/FAN = 16712.4 W/GB = 2580.2 W/TS = 6947.3
 WT AIRU = 24242.3
 WT AIRI = 32800.4 WFUEL = 4760.4 WT TIP GEAR = 2250.
 WT MAIN GEAR = 45302. WT WING = 262400.
 WT SYS = 39811. WT STRUCT = 307702.
 TOTAL WEIGHT = 347513. DEL WT = -3870.

FRACTION OF GW/SIDE = .1000 CUSH HT = 75.1 GEAR HT = 118.1
 LIFT = 149800.0 L/A = 50.439 H/D = .222 HP = 15184.316
 PJ = 166.449 QJ = 50173.644 A = 3.595
 SHP/ENG = 10615.6 SHP TOTAL = 84932.4
 NO FAN = 82.1 NO/SEG = 18.5 LIMIT/SEG = 15.4 VTIP = 473.0
 W/FAN = 21152.3 W/GB = 7915.1 W/TS = 9715.7
 WT AIRU = 33944.2
 WT AIRI = 42480.3 WFUEL = 6794.6 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42477. WT WING = 253831.
 WT SYS = 52275. WT STRUCT = 295700.
 TOTAL WEIGHT = 344943. DEL WT = -2400.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
 LIFT = 190246.0 L/A = 64.056 H/D = .199 HP = 19393.600

PJ = 196.017 OJ = 4179.412 A = 3.922
 SHP/ENG = 1352.6 SHP TOTAL = 168420.9
 NO FAN = 81.4 NO/SEG = 18.4 LIMIT/SEG = 15.4 VTIP = 514.5
 WIFAN = 28825.4 WTGR = 3180.8 WITS = 12658.1
 WT AIRU = 40623.9
 WT AIRI = 50779.9 WFUEL = 8673.7 WT TIP GEAR = 381.0
 WT MAIN GEAR = 10.25 WT WING = 281700.
 WT SYS = 63264. WT STRUCT = 291825.
 TOTAL WEIGHT = 355088. DEL WT = 3705.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
 LIFT = 224700.0 L/A = 75.457 M/W = 183 HP = 22722.789
 PJ = 219.939 OJ = 56822.655 A = 4.208
 SHP/ENG = 1587.3 SHP TOTAL = 127098.4
 NO FAN = 80.9 NO/SEG = 18.2 LIMIT/SEG = 15.4 VTIP = 503.8
 WIFAN = 27536.5 WTGR = 3312.3 WITS = 14338.7
 WT AIRU = 45687.8
 WT AIRI = 57139.4 WFUEL = 10167.9 WT TIP GEAR = 450.0
 WT MAIN GEAR = 38035. WT WING = 283857.
 WT SYS = 71778. WT STRUCT = 281892.
 TOTAL WEIGHT = 353470. DEL WT = 2287.

T = 5.0 INCHES T/W = .018182

THETA = 60.0 DEGREES 50% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 M/W = .257 HP = 2216.742
 PJ = 46.026 OJ = 26449.533 A = 3.225
 SHP/ENG = 1589.9 SHP TOTAL = 12399.2
 NO FAN = 82.4 NO/SEG = 18.6 LIMIT/SEG = 15.4 VTIP = 514.5
 WIFAN = 5872.4 WTGR = 1130.7 WITS = 1447.6
 WT AIRU = 8850.7
 WT AIRI = 10563.4 WFUEL = 991.9 WT TIP GEAR = 75.0
 WT MAIN GEAR = 49366. WT WING = 252500.
 WT SYS = 12345. WT STRUCT = 331866.
 TOTAL WEIGHT = 344171. DEL WT = -7212.

FRACTION OF SW/SIDE = .0500 CUSH HT = 92.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 M/W = .249 HP = 6059.793
 PJ = 90.106 OJ = 36988.517 A = 3.308
 SHP/ENG = 4236.9 SHP TOTAL = 35879.7
 NO FAN = 82.2 NO/SEG = 18.6 LIMIT/SEG = 15.4 VTIP = 508.1
 WIFAN = 11573.2 WTGR = 2000.9 WITS = 3957.2
 WT AIRU = 17435.4
 WT AIRI = 21794.2 WFUEL = 2711.6 WT TIP GEAR = 150.0
 WT MAIN GEAR = 17479. WT WING = 272041.
 WT SYS = 26006. WT STRUCT = 319525.
 TOTAL WEIGHT = 345530. DEL WT = -5853.

FRACTION OF SW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.828 M/W = .238 HP = 17563.155
 PJ = 130.793 OJ = 44419.408 A = 3.440
 SHP/ENG = 7395.5 SHP TOTAL = 59084.3
 NO FAN = 82.0 NO/SEG = 18.5 LIMIT/SEG = 15.4 VTIP = 512.3

WTFAN = 16599.9 WTGR = 2559.0 WTS = 6896.1
 WT AIRU = 25067.0
 WT AIRI = 32583.7 WFUEL = 9726.7 WT TIP GEAR = 2250.
 WT MAIN GEAR = 95302. WT WING = 262100.
 WT SYS = 39560. WT STRUCT = 307702.
 TOTAL WEIGHT = 347262. DEL WT = -4121.

FRACTION OF SW/SIDE = .1000 CUSH MT = 73.2 GEAR MT = 112.9
 LIFT = 149800.0 L/A = 50.438 H/W = .222 HP = 14991.042
 PJ = 165.752 QJ = 49740.524 A = 3.657
 SHP/ENG = 10401.4 SHP TOTAL = 93851.4
 NO FAN = 91.5 NO/SEG = 18.4 LIMIT/SEG = 15.8 VTIP = 872.1
 WTFAN = 20926.3 WTGB = 2899.8 WTS = 9709.5
 WT AIRU = 33615.7
 WT AIRI = 42019.6 WFUEL = 6708.1 WT TIP GEAR = 3003.
 WT MAIN GEAR = 82477. WT WING = 253931.
 WT SYS = 51708. WT STRUCT = 296708.
 TOTAL WEIGHT = 388436. DEL WT = -2247.

FRACTION OF SW/SIDE = .1270 CUSH MT = 55.8 GEAR MT = 40.0
 LIFT = 190246.0 L/A = 64.055 H/W = .199 HP = 18986.853
 PJ = 195.174 QJ = 53504.867 A = 4.012
 SHP/ENG = 13275.2 SHP TOTAL = 126201.7
 NO FAN = 80.8 NO/SEG = 18.2 LIMIT/SEG = 15.4 VTIP = 912.2
 WTFAN = 24425.6 WTGB = 3114.9 WTS = 12399.9
 WT AIRU = 39939.5
 WT AIRI = 49924.3 WFUEL = 8496.1 WT TIP GEAR = 3810.
 WT MAIN GEAR = 40125. WT WING = 251700.
 WT SYS = 42230. WT STRUCT = 291425.
 TOTAL WEIGHT = 354055. DEL WT = -247.

FRACTION OF SW/SIDE = .1500 CUSH MT = 60.5 GEAR MT = 86.0
 LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 22132.536
 PJ = 217.264 QJ = 56027.103 A = 4.319
 SHP/ENG = 15474.6 SHP TOTAL = 123796.8
 NO FAN = 80.2 NO/SEG = 18.1 LIMIT/SEG = 15.4 VTIP = 580.5
 WTFAN = 26985.9 WTGB = 3274.5 WTS = 14453.1
 WT AIRU = 44713.7
 WT AIRI = 55892.1 WFUEL = 9903.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38035. WT WING = 233857.
 WT SYS = 40806. WT STRUCT = 280052.
 TOTAL WEIGHT = 352188. DEL WT = 805.

T = 8.0 INCHES T/W = .024242
 THETA = 15.0 DEGREES 503 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH MT = 84.8 GEAR MT = 136.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 2337.031
 PJ = 39.190 QJ = 32876.723 A = 2.804
 SHP/ENG = 1674.0 SHP TOTAL = 13072.0
 NO FAN = 110.4 NO/SEG = 25.7 LIMIT/SEG = 15.4 VTIP = 229.5
 WTFAN = 6710.2 WTGB = 1279.8 WTS = 1526.2
 WT AIRU = 9511.5
 WT AIRI = 11889.8 WFUEL = 1045.8 WT TIP GEAR = 750.

WT MAIN GEAR = 99355. WT WING = 252500.
WT SYS = 13685. WT STRUCT = 331856.
TOTAL WEIGHT = 345551. DEL WT = -9832.

FRACTION OF GW/SIDE = .7500 CUSH HT = 82.3 GEAR HT = 130.0
LIFT = 78000.0 L/A = 25.219 1/2 = .289 HP = 6880.275
PJ = 77.106 QJ = 15578.912 A = 2.840
SHP/ENG = 4502.9 SHP TOTAL = 36023.2
NO FAN = 110.4 NO/SEG = 25.6 LIMIT/SEG = 15.4 VTIP = 323.0
JTFAN = 13191.5 WTGB = 2242.7 WITS = 4205.7
WT AIRU = 19529.9

WT AIRI = 24537.4 WFUEL = 288.0 WT TIP GEAR = 1500
WT MAIN GEAR = 12478. WT WING = 270000
WT SYS = 28919. WT STRUCT = 319525.
TOTAL WEIGHT = 389188. DEL WT = -2930.

FRACTION OF GW/SIDE = .7750 CUSH HT = 78.6 GEAR HT = 122.8
LIFT = 812350.0 L/A = 37.828 W/M = .258 HP = 113656151
PJ = 112.805 QJ = 55403.118 A = 2.949
SHP/ENG = 7898.9 SHP TOTAL = 63559.0
NO FAN = 110.1 NO/SEG = 25.5 LIMIT/SEG = 15.4 VTIP = 399.4
JTFAN = 19229.2 WTGB = 2448.2 WITS = 7420.5
WT AIRU = 29996.9

WT AIRI = 36871.4 WFUEL = 9089.7 WT TIP GEAR = 2280
WT MAIN GEAR = 45302. WT WING = 262480.
WT SYS = 44206. WT STRUCT = 307702.
TOTAL WEIGHT = 351908. DEL WT = 525.

FRACTION OF GW/SIDE = .7800 CUSH HT = 78.6 GEAR HT = 122.8
LIFT = 812350.0 L/A = 37.828 W/M = .258 HP = 113656151
PJ = 112.805 QJ = 55403.118 A = 2.949
SHP/ENG = 7898.9 SHP TOTAL = 63559.0
NO FAN = 110.1 NO/SEG = 25.5 LIMIT/SEG = 15.4 VTIP = 399.4
JTFAN = 19229.2 WTGB = 2448.2 WITS = 7420.5
WT AIRU = 29996.9
WT AIRI = 48073.1 WFUEL = 7347.8 WT TIP GEAR = 3000.
WT MAIN GEAR = 42477. WT WING = 253831.
WT SYS = 58421. WT STRUCT = 296708.
TOTAL WEIGHT = 355129. DEL WT = 3746.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 86.8
LIFT = 120296.0 L/A = 69.056 1/2 = .199 HP = 21336.229
PJ = 173.140 QJ = 5777.295 A = 3.335
SHP/ENG = 14917.8 SHP TOTAL = 119342.8
NO FAN = 108.7 NO/SEG = 25.7 LIMIT/SEG = 15.4 VTIP = 482.5
JTFAN = 29142.2 WTGB = 3409.2 WITS = 13935.3
WT AIRU = 46524.6
WT AIRI = 58155.8 WFUEL = 4587.8 WT TIP GEAR = 3810.
WT MAIN GEAR = 40125. WT WING = 251700.
WT SYS = 71513. WT STRUCT = 291825.
TOTAL WEIGHT = 363338. DEL WT = 1955.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0

LIFT = 224700.0 L/A = 74.657 H/W = .163 HP = 25345.126
 PJ = 195.091 QJ = 71456.604 A = 3.948
 SHP/ENG = 17720.8 SHP TOTAL = 141766.3
 NO FAN = 108.0 NO/SEG = 25.0 LIMIT/SEG = 15.4 VTIP = 512.1
 W/FAN = 32512.9 WTGR = 7675.2 WTS = 16551.2
 WT AIRU = 52940.4
 WT AIRI = 54052.5 WFUEL = 11391.3 WT TIP GEAR = 4500.
 WT MAIN GEAR = 58035. WT WING = 243857.
 WT SYS = 81892. WT STRUCT = 281892.
 TOTAL WEIGHT = 363784. DEL WT = 12401.

T = 8.0 INCHES T/W = .024242

FRACTION OF SW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 2100.071
 PJ = 36.766 QJ = 31425.979 A = 3.057
 SHP/ENG = 1849.3 SHP TOTAL = 11746.6
 NO FAN = 109.3 NO/SEG = 25.3 LIMIT/SEG = 15.4 VTIP = 222.3
 W/FAN = 6224.6 WTGR = 1189.9 WTS = 1371.4
 WT AIRU = 8785.9
 WT AIRI = 10942.4 WFUEL = 939.7 WT TIP GEAR = 750.
 WT MAIN GEAR = 89365. WT WING = 282500.
 WT SYS = 12472. WT STRUCT = 331844.
 TOTAL WEIGHT = 349550. DEL WT = -6845.

FRACTION OF SW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 5775.309
 PJ = 72.272 QJ = 43950.697 A = 3.123
 SHP/ENG = 1849.3 SHP TOTAL = 11746.6
 NO FAN = 109.1 NO/SEG = 25.3 LIMIT/SEG = 15.4 VTIP = 311.7
 W/FAN = 12209.3 WTGR = 2116.1 WTS = 3771.5
 WT AIRU = 18098.9
 WT AIRI = 22623.6 WFUEL = 2584.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 67478. WT WING = 272047.
 WT SYS = 26708. WT STRUCT = 314525.
 TOTAL WEIGHT = 346233. DEL WT = -5150.

FRACTION OF SW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.829 H/W = .238 HP = 10158.517
 PJ = 105.558 QJ = 52438.028 A = 3.223
 SHP/ENG = 7102.6 SHP TOTAL = 56821.0
 NO FAN = 108.7 NO/SEG = 25.2 LIMIT/SEG = 15.4 VTIP = 376.7
 W/FAN = 17770.2 WTGR = 2723.6 WTS = 6633.8
 WT AIRU = 27127.8
 WT AIRI = 33909.7 WFUEL = 4544.7 WT TIP GEAR = 2150.
 WT MAIN GEAR = 45302. WT WING = 252400.
 WT SYS = 40755. WT STRUCT = 307702.
 TOTAL WEIGHT = 348407. DEL WT = -2976.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5

LIFT = 149800.0 L/A = 49.504 H/W = .228 HP = 14613.657
 PJ = 135.026 QJ = 59524.889 A = 3.408
 SHP/ENG = 10217.4 SHP TOTAL = 81739.5

NO FAN = 114.1 NO/SEG = 25.0 LIMIT/SEG = 15.4 VTIP = 426.1
 WIFAN = 22602.0 WTGR = 3079.2 WTS = 9543.1
 WT AIRU = 35224.3
 WT AIRI = 44030.4 WFUEL = 5539.2 WT TIP GEAR = 3083.
 WT MAIN GEAR = 42477. WT WING = 257831.
 WT SYS = 53570. WT STRUCT = 296704.
 TOTAL WEIGHT = 350278. DEL WT = 1105.

FRACTION OF GW/SIDE = .1270 CUSH HT = 55.8 GEAR HT = 98.0
 LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 18870.487
 PJ = 161.117 QJ = 44427.414 A = 3.589
 SHP/ENG = 13123.8 SHP TOTAL = 275550.8
 NO FAN = 107.1 NO/SEG = 24.8 LIMIT/SEG = 15.4 VTIP = 465.1
 WIFAN = 26719.7 WTGR = 3310.8 WTS = 12323.1
 WT AIRU = 42352.5
 WT AIRI = 52940.7 WFUEL = 8444.1 WT TIP GEAR = 3810.
 WT MAIN GEAR = 40125. WT WING = 251700.
 WT SYS = 65495. WT STRUCT = 291325.
 TOTAL WEIGHT = 357020. DEL WT = 5537.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
 LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 22317.897
 PJ = 181.162 QJ = 67756.305 A = 3.936
 SHP/ENG = 15624.2 SHP TOTAL = 124833.7
 NO FAN = 106.2 NO/SEG = 24.6 LIMIT/SEG = 15.4 VTIP = 493.5
 WIFAN = 29800.5 WTGR = 3484.5 WTS = 14574.3
 WT AIRU = 47859.3
 WT AIRI = 59824.1 WFUEL = 9986.7 WT TIP GEAR = 4500.
 WT MAIN GEAR = 76035. WT WING = 244457.
 WT SYS = 74311. WT STRUCT = 281892.
 TOTAL WEIGHT = 356203. DEL WT = 4820.

T = 8.0 INCHES T/W = .024242
 THETA = 45.1 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 1998.138
 PJ = 35.802 QJ = 30595.840 A = 3.200
 SHP/ENG = 1397.1 SHP TOTAL = 11176.4
 NO FAN = 104.3 NO/SEG = 25.1 LIMIT/SEG = 15.4 VTIP = 219.0
 WIFAN = 6001.7 WTGR = 1150.2 WTS = 1304.9
 WT AIRU = 6456.8
 WT AIRI = 10571.0 WFUEL = 894.1 WT TIP GEAR = 750.
 WT MAIN GEAR = 80766. WT WING = 292500.
 WT SYS = 12215. WT STRUCT = 332846.
 TOTAL WEIGHT = 344281. DEL WT = 7332.

FRACTION OF GW/SIDE = .0500 CUSH HT = 42.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 5482.800
 PJ = 70.247 QJ = 42902.969 A = 3.276
 SHP/ENG = 3873.5 SHP TOTAL = 30557.7
 NO FAN = 108.0 NO/SEG = 25.0 LIMIT/SEG = 15.4 VTIP = 307.4
 WIFAN = 11753.5 WTGR = 2056.9 WTS = 3580.5
 WT AIRU = 17390.8

WT AIRI = 21735.5 WFUEL = 2453.4 WT TIP GEAR = 1500.
WT MAIN GEAR = 47479. WT WING = 272047.
WT SYS = 25692. WT STRUCT = 319525.
TOTAL WEIGHT = 345217. DEL WT = -6166.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.9
LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 9612.218
PJ = 102.464 QJ = 51595.855 A = 3.397
SHP/ENG = 6720.7 SHP TOTAL = 53755.3
NO FAN = 107.6 NO/SEG = 24.9 LIMIT/SEG = 15.4 VTIP = 371.2
JTFAN = 17066.3 WTGB = 2658.1 WITS = 6277.1
WT AIRU = 26001.5

WT AIRI = 32501.9 WFUEL = 4301.2 WT TIP GEAR = 2250.
WT MAIN GEAR = 45302. WT WING = 262400.
WT SYS = 39053. WT STRUCT = 307702.
TOTAL WEIGHT = 346755. DEL WT = -4628.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
LIFT = 149800.0 L/A = 50.438 H/W = .222 HP = 13760.858
PJ = 130.717 QJ = 57899.498 A = 3.595
SHP/ENG = 9601.3 SHP TOTAL = 75970.4
NO FAN = 106.9 NO/SEG = 24.7 LIMIT/SEG = 15.4 VTIP = 419.2
JTFAN = 21531.2 WTGB = 3014.0 WITS = 8946.3

WT AIRU = 33631.5
WT AIRI = 42039.4 WFUEL = 5157.6 WT TIP GEAR = 3000.
WT MAIN GEAR = 42477. WT WING = 253831.
WT SYS = 51197. WT STRUCT = 296708.
TOTAL WEIGHT = 347905. DEL WT = -3478.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 17652.303
PJ = 155.423 QJ = 52455.833 A = 3.920
SHP/ENG = 12342.1 SHP TOTAL = 98737.0
NO FAN = 105.7 NO/SEG = 24.4 LIMIT/SEG = 15.4 VTIP = 457.1
JTFAN = 25447.6 WTGB = 3237.7 WITS = 11527.5
WT AIRU = 40212.8
WT AIRI = 50266.0 WFUEL = 7899.0 WT TIP GEAR = 3810.
WT MAIN GEAR = 40125. WT WING = 251700.
WT SYS = 61975. WT STRUCT = 291825.
TOTAL WEIGHT = 353400. DEL WT = 2417.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 20779.779
PJ = 174.343 QJ = 54573.843 A = 4.201
SHP/ENG = 14508.8 SHP TOTAL = 115230.3
NO FAN = 104.4 NO/SEG = 24.2 LIMIT/SEG = 15.4 VTIP = 484.1
JTFAN = 28284.0 WTGB = 3392.6 WITS = 13569.9
WT AIRU = 45246.5
WT AIRI = 54558.1 WFUEL = 9244.4 WT TIP GEAR = 4500.
WT MAIN GEAR = 73035. WT WING = 243857.
WT SYS = 70357. WT STRUCT = 251802.
TOTAL WEIGHT = 352249. DEL WT = 866.

Y = 3.0 INCHES T/W = .02424

THETA = 50.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5

LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 2003.981

PJ = 36.054 QJ = 30570.484 A = 3.225

SHP/ENG = 1801.1 SHP TOTAL = 11209.1

NO FAN = 107.4 NO/SEG = 24.9 LIMIT/SEG = 15.4 VTIP = 229.2

WTFAN = 5998.2 WTGR = 1149.7 WITS = 1308.7

WT AIRU = 8456.5

WT AIRI = 10570.7 WFUEL = 896.7 WT TIP GEAR = 750.

WT MAIN GEAR = 19366. WT WING = 282500.

WT SYS = 12217. WT STRUCT = 331956.

TOTAL WEIGHT = 544783. DEL WT = 17500.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0

LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 5485.059

PJ = 71.575 QJ = 42595.489 A = 3.328

SHP/ENG = 3875.0 SHP TOTAL = 30680.3

NO FAN = 107.2 NO/SEG = 24.9 LIMIT/SEG = 15.4 VTIP = 308.2

WTFAN = 11726.1 WTGR = 2052.7 WITS = 3591.9

WT AIRU = 17360.7

WT AIRI = 21700.9 WFUEL = 2454.4 WT TIP GEAR = 1500.

WT MAIN GEAR = 17478. WT WING = 270447.

WT SYS = 25655. WT STRUCT = 319573.

TOTAL WEIGHT = 345180. DEL WT = 6203.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8

LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 9580.415

PJ = 102.798 QJ = 51258.079 A = 3.428

SHP/ENG = 6698.4 SHP TOTAL = 59587.1

NO FAN = 106.7 NO/SEG = 24.7 LIMIT/SEG = 15.4 VTIP = 371.8

WTFAN = 15982.2 WTGR = 2648.8 WITS = 6256.3

WT AIRU = 25887.4

WT AIRI = 32354.2 WFUEL = 3287.0 WT TIP GEAR = 2250.

WT MAIN GEAR = 15302. WT WING = 262400.

WT SYS = 38895. WT STRUCT = 307702.

TOTAL WEIGHT = 345598. DEL WT = 4785.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5

LIFT = 149800.0 L/A = 50.438 H/W = .222 HP = 13640.683

PJ = 130.720 QJ = 57392.823 A = 3.657

SHP/ENG = 9577.3 SHP TOTAL = 76293.2

NO FAN = 105.9 NO/SEG = 24.5 LIMIT/SEG = 15.4 VTIP = 419.2

WTFAN = 21442.1 WTGR = 3009.1 WITS = 8907.3

WT AIRU = 33749.0

WT AIRI = 41685.3 WFUEL = 5103.9 WT TIP GEAR = 3000.

WT MAIN GEAR = 12877. WT WING = 253831.

WT SYS = 50790. WT STRUCT = 296708.

TOTAL WEIGHT = 347198. DEL WT = 3885.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0

LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 17367.811

PJ = 154.759 QJ = 61725.694 A = 4.012

SHP/ENG = 12143.2 SHP TOTAL = 97145.7
 NO FAN = 104.7 NO/SEG = 24.2 LIMIT/SEG = 15.4 VTIP = 456.1
 WIFAN = 25091.5 WTGR = 3215.2 WITS = 11341.8
 WT AIRU = 39648.5
 WT AIRI = 49540.5 WFUEL = 7771.7 WT TIP GEAR = 3810.
 WT MAIN GEAR = 10125. WT WING = 251700.
 WT SYS = 51142. WT STRUCT = 291425.
 TOTAL WEIGHT = 352967. DEL WT = 1584.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
 LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 20336.597
 PJ = 173.077 QJ = 44625.112 A = 4.319

SHP/ENG = 14218.9 SHP TOTAL = 113751.8
 NO FAN = 103.7 NO/SEG = 23.9 LIMIT/SEG = 15.4 VTIP = 482.4
 WIFAN = 27791.9 WTGR = 3361.8 WITS = 13280.5
 WT AIRU = 44424.1
 WT AIRI = 55530.1 WFUEL = 9100.1 WT TIP GEAR = 4500.
 WT MAIN GEAR = 78035. WT WING = 243857.
 WT SYS = 69130. WT STRUCT = 281892.
 TOTAL WEIGHT = 351222. DEL WT = -361.

T = 10.0 INCHES T/W = .030303
 THETA = 15.0 DEGREES 504 SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 2152.026

PJ = 32.280 QJ = 36647.058 A = 2.904
 SHP/ENG = 1514.7 SHP TOTAL = 12037.2
 NO FAN = 134.2 NO/SEG = 32.1 LIMIT/SEG = 15.4 VTIP = 209.3

WIFAN = 6807.4 WTGR = 1290.8 WITS = 1405.3
 WT AIRU = 9503.3
 WT AIRI = 11879.2 WFUEL = 963.0 WT TIP GEAR = 750.
 WT MAIN GEAR = 49366. WT WING = 292500.
 WT SYS = 13592. WT STRUCT = 331866.
 TOTAL WEIGHT = 345458. DEL WT = -5925.

FRACTION OF GW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 5935.535

PJ = 63.592 QJ = 51343.473 A = 2.860
 SHP/ENG = 4150.0 SHP TOTAL = 33200.0
 NO FAN = 135.9 NO/SEG = 32.0 LIMIT/SEG = 15.4 VTIP = 242.4

WIFAN = 13378.1 WTGR = 2285.2 WITS = 3876.1
 WT AIRU = 19539.4
 WT AIRI = 24424.2 WFUEL = 2655.0 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 24440. WT STRUCT = 310525.
 TOTAL WEIGHT = 348105. DEL WT = -3278.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.824 H/W = .238 HP = 10486.899
 PJ = 93.151 QJ = 41919.072 A = 2.799

SHP/ENG = 7332.2 SHP TOTAL = 58657.8
 NO FAN = 135.4 NO/SEG = 31.8 LIMIT/SEG = 15.4 VTIP = 353.9
 WIFAN = 19528.0 WTGR = 2921.5 WITS = 6848.3

WT AIRU = 29297.4
WT AIRI = 36622.2 WFUEL = 4692.6 WT TIP GEAR = 2259.
WT MAIN GEAR = 45302. WT WING = 262409.
WT SYS = 43565. WT STRUCT = 307702.
TOTAL WEIGHT = 651247. DEL WT = -115.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
LIFT = 149800.0 L/A = 50.434 H/W = .222 HP = 15188.184
PJ = 119.719 QJ = 69776.585 A = 3.056
SHP/ENG = 10619.3 SHP TOTAL = 84954.1
NO FAN = 134.6 NO/SEG = 31.6 LIMIT/SEG = 15.4 VTIP = 401.2
WTFAN = 24947.6 WTGR = 7284.9 WTS = 2918.4
WT AIRU = 38152.8
WT AIRI = 47491.0 WFUEL = 5796.3 WT TIP GEAR = 3009.
WT MAIN GEAR = 42877. WT WING = 257831.
WT SYS = 57447. WT STRUCT = 296708.
TOTAL WEIGHT = 354196. DEL WT = 2813.

FRACTION OF SW/SIDE = .1270 CUSH HT = 55.8 GEAR HT = 98.0
LIFT = 190244.0 L/A = 48.256 H/W = .199 HP = 19806.337
PJ = 143.934 QJ = 75736.560 A = 3.335
SHP/ENG = 13844.2 SHP TOTAL = 110785.4
NO FAN = 133.4 NO/SEG = 31.3 LIMIT/SEG = 15.4 VTIP = 439.7
WTFAN = 29680.8 WTGR = 3529.0 WTS = 12934.2
WT AIRU = 46144.0
WT AIRI = 57680.0 WFUEL = 8862.8 WT TIP GEAR = 3819.
WT MAIN GEAR = 40125. WT WING = 251700.
WT SYS = 70353. WT STRUCT = 291225.
TOTAL WEIGHT = 362178. DEL WT = 6795.

FRACTION OF SW/SIDE = .1500 CUSH HT = 40.5 GEAR HT = 86.0
LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 23609.807
PJ = 162.580 QJ = 79840.272 A = 3.543
SHP/ENG = 14511.2 SHP TOTAL = 132309.5
NO FAN = 132.1 NO/SEG = 31.0 LIMIT/SEG = 15.4 VTIP = 467.5
WTFAN = 33265.6 WTGR = 3725.5 WTS = 15412.1
WT AIRU = 52403.2
WT AIRI = 65504.0 WFUEL = 10560.8 WT TIP GEAR = 4509.
WT MAIN GEAR = 38035. WT WING = 243857.
WT SYS = 80555. WT STRUCT = 281902.
TOTAL WEIGHT = 362457. DEL WT = 11074.

T = 10.0 INCHES T/W = .030303
THETA = 30.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
LIFT = 37450.0 L/A = 12.504 H/W = .257 HP = 1944.245
PJ = 30.459 QJ = 3517.421 A = 3.057
SHP/ENG = 1359.4 SHP TOTAL = 10575.0
NO FAN = 134.3 NO/SEG = 31.6 LIMIT/SEG = 15.4 VTIP = 202.4
WTFAN = 5331.4 WTGR = 1205.8 WTS = 1259.7
WT AIRU = 9807.8
WT AIRI = 11009.9 WFUEL = 870.0 WT TIP GEAR = 750.
WT MAIN GEAR = 99366. WT WING = 282500.

WT SYS = 12630. WT STRUCT = 33180.
TOTAL WEIGHT = 300195. DEL WT = -6888.

FRACTION OF GW/SIDE = .5500 CUSH HT = 82.3 GEAR HT = 130.0
LIFT = 78900.0 L/A = 25.219 H/W = .249 HP = 5352.150
PJ = 50.975 QJ = 49.04.350 A = 3.123
SHP/ENG = 3702.1 SHP TOTAL = 19936.9
NO FAN = 133.9 NO/SEG = 31.5 LIMIT/SEG = 15.4 VTIP = 283.9
JTFAN = 12424.8 WTGB = 2160.1 WTS = 3495.1
WT AIRU = 18080.1
WT AIRI = 22600.1 WFUEL = 2395.0 WT TIP GEAR = 1500.
WT MAIN GEAR = 97479. WT WING = 272087.

WT SYS = 26495. WT STRUCT = 319525.
TOTAL WEIGHT = 346020. DEL WT = -5363.

FRACTION OF GW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
LIFT = 112350.0 L/A = 37.824 H/W = .238 HP = 9429.286
PJ = 87.692 QJ = 59197.002 A = 3.229
SHP/ENG = 6592.8 SHP TOTAL = 52742.1
NO FAN = 133.3 NO/SEG = 31.3 LIMIT/SEG = 15.4 VTIP = 343.3
JTFAN = 18097.9 WTGB = 2794.2 WTS = 6157.6
WT AIRU = 27049.7
WT AIRI = 33412.1 WFUEL = 4210.8 WT TIP GEAR = 2250.

WT MAIN GEAR = 45302. WT WING = 262000.
WT SYS = 40281. WT STRUCT = 307702.
TOTAL WEIGHT = 347983. DEL WT = -3400.

FRACTION OF GW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
LIFT = 149800.0 L/A = 50.150 H/W = .222 HP = 13599.857
PJ = 112.463 QJ = 66509.901 A = 3.404
SHP/ENG = 9508.7 SHP TOTAL = 76059.8
NO FAN = 132.4 NO/SEG = 31.1 LIMIT/SEG = 15.4 VTIP = 388.8
JTFAN = 23047.9 WTGB = 3169.4 WTS = 8981.1
WT AIRU = 35297.5
WT AIRI = 43871.9 WFUEL = 6085.6 WT TIP GEAR = 3000.
WT MAIN GEAR = 42477. WT WING = 253831.
WT SYS = 52957. WT STRUCT = 296708.
TOTAL WEIGHT = 349566. DEL WT = -1717.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.8
LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 176356764
PJ = 134.791 QJ = 71955.315 A = 3.689
SHP/ENG = 12370.6 SHP TOTAL = 98644.5
NO FAN = 130.4 NO/SEG = 30.7 LIMIT/SEG = 15.4 VTIP = 425.7
JTFAN = 27701.7 WTGB = 7472.2 WTS = 15116.7
WT AIRU = 42220.3
WT AIRI = 52775.3 WFUEL = 7801.6 WT TIP GEAR = 3810.
WT MAIN GEAR = 86125. WT WING = 251700.
WT SYS = 64477. WT STRUCT = 291425.
TOTAL WEIGHT = 354302. DEL WT = 4919.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
LIFT = 224700.0 L/A = 74.657 H/W = .183 HP = 21932.817

PU = 152.225 QJ = 75624.351 A = 3.936
 SHP/ENG = 14675.8 SHP TOTAL = 117096.3
 NO FAN = 129.5 NO/SEG = 30.4 LIMIT/SEG = 15.4 VTIP = 452.2
 WTEAN = 30503.1 WTGR = 7567.7 WTS = 13669.8
 WT AIRU = 47736.7
 WT AIRI = 54670.9 WFUEL = 9364.9 WT TIP GEAR = 4500.
 WT MAIN GEAR = 78.35 WT WING = 283857.
 WT SYS = 73538. WT STRUCT = 281892.
 TOTAL WEIGHT = 355430. DEL WT = 4047.

T = 10.0 INCHES T/W = .030303
 THETA = 45.0 DEGREES 50% SEMISPAN

FRACTION OF SW/SIDE = .0250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.409 H/W = .257 HP = 1858.303
 PU = 29.799 QJ = 34298.599 A = 3.200
 SHP/ENG = 1229.3 SHP TOTAL = 10394.3
 NO FAN = 32.6 NO/SEG = 3.1 LIMIT/SEG = 15.4 VTIP = 200.2
 WTEAN = 6118.1 WTGR = 1168.9 WTS = 1213.5
 WT AIRU = 8500.5
 WT AIRI = 10625.7 WFUEL = 831.5 WT TIP GEAR = 750.
 WT MAIN GEAR = 89365. WT WING = 222500.
 WT SYS = 12207. WT STRUCT = 331866.
 TOTAL WEIGHT = 344073. DEL WT = -7312.

FRACTION OF SW/SIDE = .0500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 5104.853
 PU = 58.570 QJ = 47976.754 A = 3.276
 SHP/ENG = 3549.2 SHP TOTAL = 28553.7
 NO FAN = 132.2 NO/SEG = 31.0 LIMIT/SEG = 15.4 VTIP = 280.6
 WTEAN = 11988.0 WTGR = 2100.3 WTS = 3335.6
 WT AIRU = 17421.9
 WT AIRI = 21777.4 WFUEL = 2284.3 WT TIP GEAR = 1500.
 WT MAIN GEAR = 47478. WT WING = 272047.
 WT SYS = 25562. WT STRUCT = 319525.
 TOTAL WEIGHT = 345086. DEL WT = -6297.

FRACTION OF SW/SIDE = .0750 CUSH HT = 78.6 GEAR HT = 122.8
 LIFT = 112350.0 L/A = 37.928 H/W = .238 HP = 8965.662
 PU = 85.591 QJ = 57486.148 A = 3.397
 SHP/ENG = 6258.6 SHP TOTAL = 50148.8
 NO FAN = 131.5 NO/SEG = 30.9 LIMIT/SEG = 15.4 VTIP = 330.1
 WTEAN = 17422.0 WTGR = 2728.5 WTS = 5854.9
 WT AIRU = 26005.4
 WT AIRI = 30506.7 WFUEL = 4711.0 WT TIP GEAR = 2250.
 WT MAIN GEAR = 45302. WT WING = 252800.
 WT SYS = 34769. WT STRUCT = 307702.
 TOTAL WEIGHT = 346470. DEL WT = -4913.

FRACTION OF SW/SIDE = .1000 CUSH HT = 73.2 GEAR HT = 112.5
 LIFT = 109400.0 L/A = 50.474 H/W = .222 HP = 12872.699
 PU = 109.458 QJ = 64682.373 A = 3.595
 SHP/ENG = 9000.3 SHP TOTAL = 72002.6
 NO FAN = 130.5 NO/SEG = 30.6 LIMIT/SEG = 15.4 VTIP = 387.6

WTFAN = 22113.1 WTGR = 7105.3 WTS = 8426.3
 WT AIRU = 33622.7
 WT AIRI = 42028.4 WFUEL = 5760.2 WT TIP GEAR = 3000.
 WT MAIN GEAR = 42977. WT WING = 253831.
 WT SYS = 50789. WT STRUCT = 296708.
 TOTAL WEIGHT = 347497. DEL WT = -3886.

FRACTION OF SW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
 LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 16590.751
 PJ = 130.782 QJ = 69772.110 A = 3.920
 SHP/ENG = 11599.9 SHP TOTAL = 92799.2
 NO FAN = 128.8 NO/SEG = 30.2 LIMIT/SEG = 15.4 VTIP = 410.3

WTFAN = 26073.3 WTGR = 3332.9 WTS = 10834.3
 WT AIRU = 40240.4
 WT AIRI = 50300.5 WFUEL = 7423.9 WT TIP GEAR = 3811.
 WT MAIN GEAR = 40125. WT WING = 251700.
 WT SYS = 61534. WT STRUCT = 291825.
 TOTAL WEIGHT = 353359. DEL WT = -375.

FRACTION OF SW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
 LIFT = 224770.0 L/A = 75.657 H/W = .183 HP = 19608.369
 PJ = 147.315 QJ = 73207.652 A = 4.201
 SHP/ENG = 1379.8 SHP TOTAL = 109678.1

NO FAN = 127.3 NO/SEG = 29.8 LIMIT/SEG = 15.4 VTIP = 445.0
 WTFAN = 29034.9 WTGR = 3442.1 WTS = 12804.9
 WT AIRU = 45321.9

WT AIRI = 56652.4 WFUEL = 8774.2 WT TIP GEAR = 4500.
 WT MAIN GEAR = 38035. WT WING = 243957.
 WT SYS = 69927. WT STRUCT = 291802.

TOTAL WEIGHT = 351819. DEL WT = -351819.

T = 10.0 INCHES T/W = .030303
 THETA = 60.0 DEGREES 50% SEMISPAN

FRACTION OF GW/SIDE = .250 CUSH HT = 84.8 GEAR HT = 134.5
 LIFT = 37450.0 L/A = 12.609 H/W = .257 HP = 1870.163
 PJ = 30.116 QJ = 34154.676 A = 3.225
 SHP/ENG = 1307.6 SHP TOTAL = 10460.6
 NO FAN = 131.3 NO/SEG = 30.8 LIMIT/SEG = 15.4 VTIP = 201.2
 WTFAN = 5124.7 WTGR = 1170.1 WTS = 1221.3

WT AIRU = 8516.1
 WT AIRI = 10645.2 WFUEL = 836.9 WT TIP GEAR = 750.
 WT MAIN GEAR = 49366. WT WING = 222500.
 WT SYS = 12232. WT STRUCT = 331546.
 TOTAL WEIGHT = 344098. DEL WT = -7295.

FRACTION OF GW/SIDE = .2500 CUSH HT = 82.3 GEAR HT = 130.0
 LIFT = 74900.0 L/A = 25.219 H/W = .249 HP = 5125.021
 PJ = 59.108 QJ = 47639.068 A = 3.308
 SHP/ENG = 3593.3 SHP TOTAL = 28656.5
 NO FAN = 130.9 NO/SEG = 30.7 LIMIT/SEG = 15.4 VTIP = 281.9

WTFAN = 11980.5 WTGR = 2098.7 WTS = 3346.8
 WT AIRU = 17426.0
 WT AIRI = 21782.4 WFUEL = 2293.3 WT TIP GEAR = 1500.

WT MAIN GEAR = 27474. WT WING = 272047.
WT SYS = 25576. WT STRUCT = 319525.
TOTAL WEIGHT = 345100. DEL WT = -6283.

FRACTION OF GW/SIDE = .0750 CUSH HT = 73.6 GEAR HT = 122.8
LIFT = 112350.0 L/A = 37.828 H/W = .238 HP = 8968.867
PJ = 86.147 QJ = 57261.267 A = 3.440
SHP/ENG = 6270.8 SHP TOTAL = 50166.8
NO FAN = 130.2 NO/SEG = 30.5 LIMIT/SEG = 15.4 VTIP = 343.3
WTFAN = 17366.8 WTGB = 2721.3 WITS = 5857.0
WT AIRU = 25945.1
WT AIRI = 32831.8 WFUEL = 8013.3 WT TIP GEAR = 2250

WT MAIN GEAR = 45302. WT WING = 262400.
WT SYS = 38695. WT STRUCT = 307702.
TOTAL WEIGHT = 386397. DEL WT = -8984.

FRACTION OF GW/SIDE = .0000 CUSH HT = 73.2 GEAR HT = 112.5
LIFT = 149800.0 L/A = 50.438 H/W = .222 HP = 12810.089
PJ = 109.903 QJ = 54106.792 A = 3.657
SHP/ENG = 8956.5 SHP TOTAL = 71652.4
NO FAN = 129.1 NO/SEG = 30.3 LIMIT/SEG = 15.4 VTIP = 384.4
WTFAN = 21960.9 WTGB = 3049.8 WITS = 8365.4
WT AIRU = 33014.2

WT AIRI = 41770.1 WFUEL = 5732.2 WT TIP GEAR = 5000
WT MAIN GEAR = 42477. WT WING = 253831.
WT SYS = 50502. WT STRUCT = 296708.
TOTAL WEIGHT = 347211. DEL WT = -4172.

FRACTION OF GW/SIDE = .1270 CUSH HT = 65.8 GEAR HT = 98.0
LIFT = 190246.0 L/A = 64.056 H/W = .199 HP = 15392.809
PJ = 130.797 QJ = 58931.785 A = 4.012
SHP/ENG = 11441.5 SHP TOTAL = 91692.1
NO FAN = 127.2 NO/SEG = 29.8 LIMIT/SEG = 15.4 VTIP = 419.3
WTFAN = 25740.7 WTGB = 7312.0 WITS = 10705.2
WT AIRU = 39777.8
WT AIRI = 49722.2 WFUEL = 7335.4 WT TIP GEAR = 3810.
WT MAIN GEAR = 40125. WT WING = 251700.
WT SYS = 60868. WT STRUCT = 291825.
TOTAL WEIGHT = 352592. DEL WT = 1309.

FRACTION OF GW/SIDE = .1500 CUSH HT = 60.5 GEAR HT = 86.0
LIFT = 224700.0 L/A = 75.657 H/W = .183 HP = 19277.280
PJ = 146.940 QJ = 72155.203 A = 4.319
SHP/ENG = 13478.3 SHP TOTAL = 107826.2
NO FAN = 125.4 NO/SEG = 29.4 LIMIT/SEG = 15.4 VTIP = 444.5
WTFAN = 24581.0 WTGB = 3454.8 WITS = 12588.7
WT AIRU = 44624.5
WT AIRI = 55780.6 WFUEL = 4626.1 WT TIP GEAR = 4500.
WT MAIN GEAR = 78035. WT WING = 243857.
WT SYS = 68907. WT STRUCT = 281892.
TOTAL WEIGHT = 350799. DEL WT = -584.

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