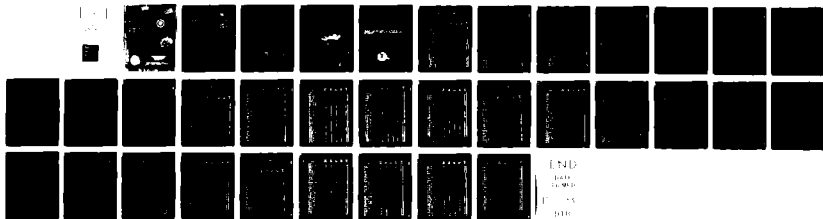


AD-A103 802

FEDERAL AVIATION ADMINISTRATION OKLAHOMA CITY OK FLI--ETC F/G 1/2
CURRENT AIRCRAFT SURVEY (APPROACH SPEEDS, GROSS WEIGHTS, AND DI--ETC(U)
JUL 80 F PARR
FAA-AFO-500-20

UNCLASSIFIED

NL



END

DATE

TIME

FILE

1000

AD A103802

Report No. FAA-AFO-500-20

CURRENT
AIRCRAFT
SURVEY

APPROACH SPEEDS
GROSS WEIGHTS
DIMENSIONS

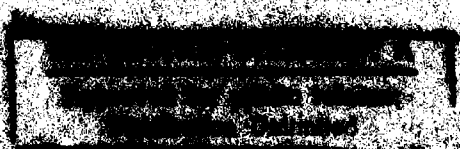
Project No.

FAA-560-79-17

June 1980



DTIC
F-101
87-2001



PAA

The Standards Development Branch
FLIGHT STANDARDS NATIONAL FIELD OFFICE
Office of Flight Operations

11 9 01 135

1. Report No. FAA-AFO-500-20		2. Government Accession No. AD-A103 802		3. Recipient's Catalog No.	
4. Title and Subtitle CURRENT AIRCRAFT SURVEY (Approach Speeds, Gross Weights, and Dimensions)		5. Report Date July 1980		6. Performing Organization Code AFO-560	
7. Author(s) Frank/Parr		8. Performing Organization Report No. FAA-AFO-500-20		9. Work Unit No. (TRAIS) 10141	
10. Performing Organization Name and Address DOT/FAA/FSNFO Standards Development Branch, AFO-560 P. O. Box 25082 Oklahoma City, OK 73125		11. Contract or Grant No. AFS-560-79-17		12. Type of Report and Period Covered Memorandum Report July 1980	
13. Sponsoring Agency Name and Address DOT/FAA/AFO/FSNFO		14. Sponsoring Agency Code		15. Supplementary Notes	
16. Abstract A survey of current aircraft was conducted to determine the effect of a revision to FAR 97.3. The revision deleted the use of gross weight in categorization of aircraft for instrument approach minimums. Of 237 aircraft types and models of 22 nations surveyed, 180 were not affected by the rule change. Of the affected aircraft, 31 changed from Category D to C, one from D to B, one from D to A, 17 from C to B, three from C to A, and four from B to A. Ten aircraft types have series which fall into two categories. ***** This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no liability for its contents or use thereof.					
17. Key Words Approach categories TERPs categories Approach minimums			18. Distribution Statement Controlled by AFO-560.		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 34	
				22. Price	

INTRODUCTION

A revision to FAR 97.3 deleted the application of maximum landing gross weight from criteria which categorize aircraft for instrument approach. The effect of this recategorization was questioned. It was suggested that a comprehensive survey be conducted to identify the result of this rulemaking action.

Over 300 aircraft types were surveyed. Of these, 237 were listed as representative of the types currently in service or soon to be operational.

Aircraft of 22 nations were included as well as four internationally produced aircraft types.

SUMMARY

Of the 237 aircraft types and models surveyed, 180 were not affected by the change in criteria.

Changed from D to C were 31 aircraft. They were:

A-300	L-1011-1	DC8-10/20
A-310	L-1011-200	DC8-30/40
CL-44	L-1011-600	DC8-50
AN-22	B707-100	DC8-62
IL-76	B707-320	B727-200
TU-114	B707-320B	B747-SP
VC10-1100	B707-420	B720
VC10-1150	C-141	B720B
Belfast	GI41B	B-757
DC-10-10	C-5-A	B-767
	E-3	

One aircraft changed from D to B, the C-133.

One aircraft changed from D to A, the YC-14.

Changed from C to B were 17 aircraft. They were:

B777	Breguet 200	IL-18
L-749	Kawasaki C-1	HS-146
L-1049	F-28-100	V-950
DC-4	F-28-2000	AW-660
DC-6	F-28-6000	Comet
DC-7		Brittania

Three changed from C to A. They were:

NAI-QSTOL	AN-72	L-1649
-----------	-------	--------

Four changed from B to A. They were:

DHC-7	IL-12	C-123	HP-Herald
-------	-------	-------	-----------

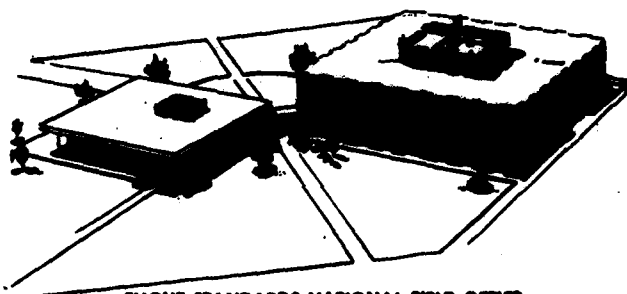
Several aircraft types have series in the type which fall into two approach categories. They are:

Category C & D

HS-121, BAC-111, B-707, B747, L-1011, DC-8, DC-10, Gulfstream II/III

Category B & D

F-28 Learjet



FLIGHT STANDARDS NATIONAL FIELD OFFICE
1000 HAWTHORNE AERONAUTICAL CENTER

Accession For	
NTIS CRA&I	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By _____	
Distribution/ _____	
Availability Codes	
Avail and/or	
Special	
A	

AIRCRAFT SURVEY

The attached listings of current aircraft have been sorted by:

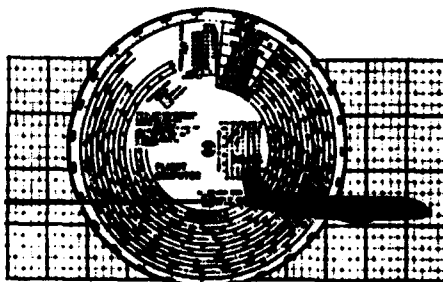
- a. Approach speed ($1.3 \times V_{so}$ at maximum landing weight).
- b. Maximum takeoff gross weight (all-up weight).
- c. Dimensions (wing span, length, tail height).

Data sources were current and back issues of Jane's All the World's Aircraft, Aviation Week and Space Technology, and Business and Commercial Aviation. Other sources were FAA Advisory Circulars, ICAO publications, and Airplane Flight Manuals. Listings were circulated to each FAA Region for comment and correction, and to three major manufacturers--Boeing, Douglas, and Lockheed.

When conflicts among sources developed, the latest data were used, or the information from the approved airplane flight manual was given priority. When priority could not be assigned, the larger values were used as being most conservative.

Since all the aircraft in the world could not be included in the listing, selections were aimed at ensuring that each class and type was represented. Most military aircraft were excluded because performance values, especially airspeeds, were unavailable.

The primary purpose of this listing is to provide information on aircraft approach categories, with the secondary purpose of providing information which may ease listing of aircraft for air traffic control spacing and for airports design (ICAO Airport Reference Coding Panel).



CURRENT AIRCRAFT ARRANGED BY AIRCRAFT TYPE

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Prepared by: AFO-560
July 1980

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Ahrens 404	98	66.0	52.8	17.5	17,000
AIDC-XC-2	86	81.7	65.9	25.3	25,000
Air Metal C-111	96	63.0	55.2	21.0	18,629
AJI Hustler	98	34.3	41.0	13.1	9,500
Antonov AN-10	126	124.8	121.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	34.6	134,480
Antonov AN-14	52	72.1	37.5	15.2	7,935
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Antonov AN-24	119	95.8	77.2	27.3	48,060
Antonov AN-26	121	95.8	78.1	28.1	52,920
Antonov AN-28	88	72.4	42.6	15.1	13,450
Antonov AN-30	112	96.4	80.1	27.3	51,040
Antonov AN-72	89*	84.8	87.1	27.0	63,935
AW-650 Argosy	123	115.0	89.8	29.3	93,000
AW-660 Argosy	113	115.0	89.1	27.0	97,000
A-300 Airbus	132	147.1	175.9	54.2	429,900
A-310 Airbus	125	144.0	154.9	51.9	288,000
BAC-111-200	129	88.5	93.5	24.5	79,000
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-400	137	88.6	93.5	24.6	88,500
BAC-111-475	135	93.5	93.5	24.5	98,500
BAC-111-500	144	93.5	107.0	24.5	104,500
Beech A-36	72	33.5	27.5	8.6	3,650
Beech B-99	96	45.9	44.6	14.3	10,900
Beech E-18	87	49.2	35.1	10.5	8,750
Beech E-90	98	50.3	35.5	14.2	10,100
Beech F-90	108	45.9	39.8	15.1	10,950
Beech 100	92	45.8	39.9	15.4	11,500
Beech 200	106	54.5	43.8	15.0	12,500
BH-2A Trislander	65	53.0	49.3	14.2	10,000
Boeing B-52	141*	185.0	157.6	40.8	488,000
Boeing B-3	137	145.9	153.0	42.0	325,000
Boeing B-4	152	195.7	231.8	64.7	830,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
Boeing 377	105	141.3	110.3	38.3	145,800
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Boeing 720	133	130.8	136.7	41.5	230,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
Boeing 737	137	93.0	94.0	37.2	116,000
Boeing 747	152	195.7	231.8	64.7	830,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Boeing 757	135	124.5	154.6	44.5	220,000
Boeing 767	130	156.3	159.1	52.0	300,000
Boeing 777	145	155.0	181.5	44.8	380,000
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Breguet 1150	130*	119.1	104.2	37.2	95,900
Breguet 200	117	104.8	134.4	37.3	154,323
Breguet 914S	59	76.7	77.9	31.7	26,500
Bristol Britannia	117	142.2	124.2	37.5	185,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
Canadair CL-600	125	61.8	68.4	20.7	32,500
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Cessna Citation I	108	47.1	43.5	14.3	11,850
Cessna Citation II	108	51.6	47.2	14.8	13,300
Cessna Citation III	114	50.6	51.6	17.0	17,000
Cessna-150	55	33.3	24.1	8.5	1,670
Cessna-177	64	35.5	27.2	8.6	2,500
Cessna-402	95	44.1	36.3	11.4	6,850
Cessna-404	92	46.3	39.5	13.3	8,450
Cessna-414	94	44.1	36.4	11.5	6,785
Cessna-421	96	41.1	36.4	12.9	7,500
Cessna-441	100	49.3	39.0	13.1	9,850
Concorde	162	83.8	203.8	40.0	408,000
Convair 240	107	91.8	74.7	26.9	41,790
Convair 340	104	105.6	79.2	28.2	47,000
Convair 440	106	105.3	79.2	28.2	49,100
Convair 580	107	105.3	81.5	29.1	54,600
Convair 880	155	120.0	129.3	36.3	193,000
Convair 990	156	120.0	139.2	39.5	253,000
DeH Comet 4C	108	114.9	118.0	29.5	162,000
DeH Dash 7	83	93.0	80.7	26.2	44,000
DeH DHC-2	50	48.0	30.3	9.0	5,100
DeH DHC-4	77	95.6	72.6	31.8	28,500
DeH DHC-5	91	96.0	79.0	28.7	49,200
DeH DHC-6	75	65.0	51.8	19.5	12,500
DeH Dove-104	84	57.0	39.5	13.3	8,950
DeH Heron-114	85	71.5	45.5	15.6	13,500
DeH Trident 121-2	137	95.0	114.8	27.0	135,500
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
DeH Trident 121-3	143	98.0	131.2	28.3	158,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
DeH Trident 121-38	146	98.0	131.2	28.3	158,000
Dolphin IA-50	101	64.1	48.8	19.1	16,200
Dornier DO-28	74	51.0	37.5	12.8	8,853
Dornier LTA	74*	58.4	54.4	18.2	15,100
Embraer-110	92	50.3	49.5	15.5	12,500
Embraer-121	92	47.4	40.2	15.9	12,500
Embraer-326	102	35.6	35.0	12.2	11,500
Embraer-820	74	40.7	34.6	13.0	7,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Fairchild C-123	88	110.0	75.8	34.1	60,000
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Fairchild F-27	109	95.2	77.2	27.5	42,000
Fokker F-27	102	95.2	82.2	27.6	45,000
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
Fokker VFW-614	111	70.5	67.5	25.6	44,000
Foxjet 600	97	31.6	31.5	10.2	4,449
GAC-100	86	70.0	67.3	24.9	28,900
Gulfstream I	113	78.5	64.0	22.8	35,100
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream III	136	77.8	82.7	23.2	68,700
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Hansa HFB-320	125	47.5	54.5	16.2	20,280
Hindustani-748	94	98.5	67.0	24.8	46,500
HP Herald	88	94.7	75.5	24.1	43,000
HP Jetstream	99	52.0	47.1	17.5	12,566
HS-Mimrod Mk2	125*	114.8	126.7	29.7	177,500
HS-125-1/400	124	47.0	47.4	16.5	26,500
HS-125-600	125	47.0	50.5	17.3	25,000
HS-125-700	125	47.0	50.7	17.6	25,000
HS-146	117	86.5	93.1	28.3	87,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
HS-748 Andover C	100	98.2	78.0	30.1	50,000
IAI Arava-201	81	68.8	42.8	17.1	15,000
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Kawasaki C-1	118*	100.4	95.1	32.9	85,320
Lapan XT-400	75	47.9	33.5	14.1	5,555
Learfan 2100	86	39.3	38.7	11.5	7,200
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 25	137	35.6	47.6	12.6	15,000
Learjet 28/29	120	42.2	45.0	12.6	15,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
LET L-410	81	63.9	47.4	19.1	12,566
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000
Lockheed P-3	134	99.7	116.8	33.7	135,000
Lockheed SR-71	180	55.6	112.4	18.5	170,000
Lockheed 100-20	137	132.6	106.1	38.4	155,800
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
Lockheed 1049	113	123.0	113.3	24.8	142,100
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Lockheed 1649	89	150.0	116.2	24.8	160,000
Lockheed 188	123	99.0	104.5	32.8	116,000
Lockheed 400	121*	119.7	97.8	38.0	84,000
Lockheed 749	93	123.0	95.2	22.4	107,000
Martin-404	98	93.3	74.6	28.7	44,900
MDC-C-133	128	179.7	157.5	48.3	300,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
MDC-DC-3	72	95.0	64.5	23.5	25,200
MDC-DC-4	95	117.5	93.8	27.9	73,200
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
MDC-DC-7	110	127.5	112.3	31.8	143,000
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
NAI-QSTOL	85	100.3	98.4	32.8	85,300
Nihon YS-11	98	105.0	86.3	29.5	54,010

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Nomad N-22	69	54.0	41.2	18.1	8,500
Nomad N-24	73	54.0	47.1	18.1	9,400
NORD-262	96	71.9	63.3	20.4	23,800
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Piper Aerostar	94	36.7	34.8	12.1	6,000
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Piper Navajo	100	40.7	32.6	13.0	6,500
PZL-AN-2	54	59.7	40.7	13.1	12,125
PZL-AN-28	85	72.2	42.6	15.1	13,450
PZL-M-15	62	73.5	41.8	17.5	12,465
Rockwell B-1	165*	136.7	150.3	33.6	389,800
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Rockwell 690	97	46.5	44.3	15.0	10,250
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Shorts Belfast	126	158.9	136.4	47.0	230,000
Shorts Skyvan	96	74.7	58.0	16.3	24,000
SN-600 Corvette	118	42.2	45.4	13.9	14,550
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Swearingen Metro	112	46.3	59.4	16.8	12,500
Transall C-160	124	131.3	106.3	40.6	112,435
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Tupolev TU-134	144	95.2	121.7	30.0	103,600
Tupolev TU-144	178	94.8	215.5	42.2	396,830
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Vickers VC-2	122	94.0	85.7	26.9	72,500
Volpar Centennial	88	50.0	51.9	16.5	12,500
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
Yu Shi-11	80*	55.7	39.4	15.1	7,150

*Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY APPROACH SPEED

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Prepared by: AFO-560
July 1980

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
DeH DHC-2	50	48.0	30.3	9.0	5,100
Antonov AN-14	52	72.1	37.5	15.2	7,935
PZL-AN-2	54	59.7	40.7	13.1	12,125
Cessna-150	55	33.3	24.1	8.5	1,670
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Breguet 914S	59	76.7	77.9	31.7	26,500
PZL-M-15	62	73.5	41.8	17.5	12,465
Cessna-177	64	35.5	27.2	8.6	2,500
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Nomad N-22	69	54.0	41.2	18.1	8,500
Beech A-36	72	33.5	27.5	8.6	3,650
MDC-DC-3	72	95.0	64.5	23.5	25,200
Nomad N-24	73	54.0	47.1	18.1	9,400
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Dornier DO-28	74	51.0	37.5	12.8	8,853
Embraer-820	74	40.7	34.6	13.0	7,000
Dornier LTA	74*	58.4	54.4	18.2	15,100
DeH DHC-6	75	65.0	51.8	19.5	12,500
Lapan XT-400	75	47.9	33.5	14.1	5,555
DeH DHC-4	77	95.6	72.6	31.8	28,500
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Yu Shi-11	80*	55.7	39.4	15.1	7,150
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
IAI Arava-201	81	68.8	42.8	17.1	15,000
LET L-410	81	63.9	47.4	19.1	12,566
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
DeH Dash 7	83	93.0	80.7	26.2	44,000
DeH Dove-104	84	57.0	39.5	13.3	8,950
DeH Heron-114	85	71.5	45.5	15.6	13,500
NAI-QSTOL	85	100.3	98.4	32.8	85,300
PZL-AN-28	85	72.2	42.6	15.1	13,450
AIDC-XC-2	86	81.7	65.9	25.3	25,000
GAC-100	86	70.0	67.3	24.9	28,900
Learfan 2100	86	39.3	38.7	11.5	7,200
Beech E-18	87	49.2	35.1	10.5	8,750
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Antonov AN-28	88	72.4	42.6	15.1	13,450
Fairchild C-123	88	110.0	75.8	34.1	60,000
HP Herald	88	94.7	75.5	24.1	43,000
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Volpar Centennial	88	50.0	51.9	16.5	12,500

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Boeing YC-14	89	129.0	131.7	48.3	237,000
Lockheed 1649	89	150.0	116.2	24.8	160,000
Antonov AN-72	89*	84.8	87.1	27.0	63,935
DeH DHC-5	91	96.0	79.0	28.7	49,200
Beech 100	92	45.8	39.9	15.4	11,500
Cessna-404	92	46.3	39.5	13.3	8,450
Embraer-110	92	50.3	49.5	15.5	12,500
Embraer-121	92	47.4	40.2	15.9	12,500
Lockheed 749	93	123.0	95.2	22.4	107,000
Cessna-414	94	44.1	36.4	11.5	6,785
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Piper Aerostar	94	36.7	34.8	12.1	6,000
Cessna-402	95	44.1	36.3	11.4	6,850
MDC-DC-4	95	117.5	93.8	27.9	73,200
Air Metal C-111	96	63.0	55.2	21.0	18,629
Beech B-99	96	45.9	44.6	14.3	10,900
Cessna-421	96	41.1	36.4	12.9	7,500
Hamilton Westwind	96	46.0	45.0	9.2	12,495
NORD-262	96	71.9	63.3	20.4	23,800
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Foxjet 600	97	31.6	31.5	10.2	4,449
Rockwell 690	97	46.5	44.3	15.0	10,250
Ahrens 404	98	66.0	52.8	17.5	17,000
AJI Hustler	98	34.3	41.0	13.1	9,500
Beech E-90	98	50.3	35.5	14.2	10,100
Martin-404	98	93.3	74.6	28.7	44,900
Nihon YS-11	98	105.0	86.3	29.5	54,010
Rockwell 840	98	52.1	42.9	14.9	10,325
HP Jetstream	99	52.0	47.1	17.5	12,566
Cessna-441	100	49.3	39.0	13.1	9,850
HS-748 Andover C	100	98.2	78.0	30.1	50,000
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Piper Navajo	100	40.7	32.6	13.0	6,500
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Dolphin IA-50	101	64.1	48.8	19.1	16,200
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Embraer-326	102	35.6	35.0	12.2	11,500
Fokker F-27	102	95.2	82.2	27.6	45,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Convair 340	104	105.6	79.2	28.2	47,000
Boeing 377	105	141.3	110.3	38.3	145,800
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Beech 200	106	54.5	43.8	15.0	12,500
Convair 440	106	105.3	79.2	28.2	49,100
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Convair 240	107	91.8	74.7	26.9	41,790

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Convair 580	107	105.3	81.5	29.1	54,600
Beech F-90	108	45.9	39.8	15.1	10,950
Cessna Citation I	108	47.1	43.5	14.3	11,850
Cessna Citation II	108	51.6	47.2	14.8	13,300
DeH Comet 4C	108	114.9	118.0	29.5	162,000
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Fairchild F-27	109	95.2	77.2	27.5	42,000
MDC-DC-7	110	127.5	112.3	31.8	143,000
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Fokker VFW-614	111	70.5	67.5	25.6	44,000
Antonov AN-30	112	96.4	80.1	27.3	51,040
Swearingen Metro	112	46.3	59.4	16.8	12,500
AW-660 Argosy	113	115.0	89.1	27.0	97,000
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
Gulfstream I	113	78.5	64.0	22.8	35,100
Lockheed 1049	113	123.0	113.3	24.8	142,100
Cessna Citation III	114	50.6	51.6	17.0	17,000
Breguet 200	117	104.8	134.4	37.3	154,323
Bristol Britannia	117	142.2	124.2	37.5	185,000
HS-146	117	86.5	93.1	28.3	87,500
Piaggio PD-808	117	43.3	42.2	15.8	18,300
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Kawasaki C-1	118*	100.4	95.1	32.9	85,320
Antonov AN-24	119	95.8	77.2	27.3	48,060
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Learjet 28/29	120	42.2	45.0	12.6	15,000
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Antonov AN-26	121	95.8	78.1	28.1	52,920
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Rockwell 980	121	52.1	42.9	14.9	10,325
Lockheed 400	121*	119.7	97.8	38.0	84,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Vickers VC-2	122	94.0	85.7	26.9	72,500
AW-650 Argosy	123	115.0	89.8	29.3	93,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
Lockheed 188	123	99.0	104.5	32.8	116,000
HS-125-1/400	124	47.0	47.4	16.5	26,500
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
Transall C-160	124	131.3	106.3	40.6	112,435
A-310 Airbus	125	144.0	154.9	51.9	288,000
Boeing 727-100	125	107.9	133.2	34.3	170,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Canadair CL-600	125	61.8	68.4	20.7	32,500
Hansa HFB-320	125	47.5	54.5	16.2	20,280
HS-125-600	125	47.0	50.5	17.3	25,000
HS-125-700	125	47.0	50.7	17.6	25,000
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Antonov AN-10	126	124.8	121.4	32.2	121,500
Shorts Belfast	126	158.9	136.4	47.0	230,000
Antonov AN-12	127	124.8	109.0	34.6	134,480
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
BAC-111-300	128	88.5	93.5	24.5	88,500
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
MDC-C-133	128	179.7	157.5	48.3	300,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
BAC-111-200	129	88.5	93.5	24.5	79,000
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Lockheed 100-30	129	132.6	112.7	38.4	155,000
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
Boeing 767	130	156.3	159.1	52.0	300,000
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Breguet 1150	130*	119.1	104.2	37.2	95,900
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
A-300 Airbus	132	147.1	175.9	54.2	429,900
Boeing 707-420	132	145.5	152.9	42.2	316,000
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
MDC-DC-9-50	132	93.5	133.5	28.6	121,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Boeing 720	133	130.8	136.7	41.5	230,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
Lockheed P-3	134	99.7	116.8	33.7	135,000
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700
BAC-111-475	135	93.5	93.5	24.5	98,500
Boeing 757	135	124.5	154.6	44.5	220,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Gulfstream III	136	77.8	82.7	23.2	68,700
BAC-111-400	137	88.6	93.5	24.6	88,500
Boeing E-3	137	145.9	153.0	42.0	325,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing 737	137	93.0	94.0	37.2	116,000
DeH Trident 121-2	137	95.0	114.8	27.0	135,500

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Learjet 25	137	35.6	47.6	12.6	15,000
Lockheed 100-20	137	132.6	106.1	38.4	155,800
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Gulfstream II	141	68.8	79.9	24.5	65,500
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Boeing B-52	141*	185.0	157.6	40.8	488,000
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
DeH Trident 121-3	143	98.0	131.2	28.3	158,000
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
BAC-111-500	144	93.5	107.0	24.5	104,500
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Tupolev TU-134	144	95.2	121.7	30.0	103,600
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing 777	145	155.0	181.5	44.8	380,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Convair 880	155	120.0	129.3	36.3	193,000
Convair 990	156	120.0	139.2	39.5	253,000
Concorde	162	83.8	203.8	40.0	408,000
Rockwell B-1	165*	136.7	150.3	33.6	389,800
Tupolev TU-144	178	94.8	215.5	42.2	396,830
Lockheed SR-71	180	55.6	112.4	18.5	170,000

*Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY WING SPAN

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Prepared by: AFO-560
July 1980

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Foxjet 600	97	31.6	31.5	10.2	4,449
Cessna-150	55	33.3	24.1	8.5	1,670
Beech A-36	72	33.5	27.5	8.6	3,650
AJI Hustler	98	34.3	41.0	13.1	9,500
Cessna-177	64	35.5	27.2	8.6	2,500
Embraer-326	102	35.6	35.0	12.2	11,500
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 25	137	35.6	47.6	12.6	15,000
Piper Aerostar	94	36.7	34.8	12.1	6,000
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Learfan 2100	86	39.3	38.7	11.5	7,200
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Embraer-820	74	40.7	34.6	13.0	7,000
Piper Navajo	100	40.7	32.6	13.0	6,500
Cessna-421	96	41.1	36.4	12.9	7,500
Learjet 28/29	120	42.2	45.0	12.6	15,000
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Rockwell JCI121	130	43.3	50.4	15.8	16,800
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
Cessna-402	95	44.1	36.3	11.4	6,850
Cessna-414	94	44.1	36.4	11.5	6,785
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
Beech 100	92	45.8	39.9	15.4	11,500
Beech B-99	96	45.9	44.6	14.3	10,900
Beech F-90	108	45.9	39.8	15.1	10,950
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Cessna-404	92	46.3	39.5	13.3	8,450
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Swearingen Matro	112	46.3	59.4	16.8	12,500
Rockwell 690	97	46.5	44.3	15.0	10,250
HS-125-1/400	124	47.0	47.4	16.5	26,500

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
HS-125-600	125	47.0	50.5	17.3	25,000
HS-125-700	125	47.0	50.7	17.6	25,000
Cessna Citation I	108	47.1	43.5	14.3	11,850
Embraer-121	92	47.4	40.2	15.9	12,500
Hansa HFB-320	125	47.5	54.5	16.2	20,280
Lapan XT-400	75	47.9	33.5	14.1	5,555
DeH DHC-2	50	48.0	30.3	9.0	5,100
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
Beech E-18	87	49.2	35.1	10.5	8,750
Cessna-441	100	49.3	39.0	13.1	9,850
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Volpar Centennial	88	50.0	51.9	16.5	12,500
Beech E-90	98	50.3	35.5	14.2	10,100
Embraer-110	92	50.3	49.5	15.5	12,500
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Cessna Citation III	114	50.6	51.6	17.0	17,000
Dornier DO-28	74	51.0	37.5	12.8	8,853
Cessna Citation II	108	51.6	47.2	14.8	13,300
HP Jetstream	99	52.0	47.1	17.5	12,566
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Nomad N-22	69	54.0	41.2	18.1	8,500
Nomad N-24	73	54.0	47.1	18.1	9,400
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Beech 200	106	54.5	43.8	15.0	12,500
Lockheed SR-71	180	55.6	112.4	18.5	170,000
Yu Shi-11	80*	55.7	39.4	15.1	7,150
DeH Dove-104	84	57.0	39.5	13.3	8,950
Dornier LTA	74*	58.4	54.4	18.2	15,100
PZL-AN-2	54	59.7	40.7	13.1	12,125
Canadair CL-600	125	61.8	68.4	20.7	32,500
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Air Metal C-111	96	63.0	55.2	21.0	18,629
LET L-410	81	63.9	47.4	19.1	12,566
Dolphin IA-50	101	64.1	48.8	19.1	16,200
DeH DHC-6	75	65.0	51.8	19.5	12,500
Ahrens 404	98	66.0	52.8	17.5	17,000
Gulfstream II	141	68.8	79.9	24.5	65,500
IAI Arava-201	81	68.8	42.8	17.1	15,000
GAC-100	86	70.0	67.3	24.9	28,900
Fokker VFW-614	111	70.5	67.5	25.6	44,000
DeH Heron-114	85	71.5	45.5	15.6	13,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
NORD-262	96	71.9	63.3	20.4	23,800
Antonov AN-14	52	72.1	37.5	15.2	7,935

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
PZL-AN-28	85	72.2	42.6	15.1	13,450
Antonov AN-28	88	72.4	42.6	15.1	13,450
PZL-M-15	62	73.5	41.8	17.5	12,465
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Breguet 914S	59	76.7	77.9	31.7	26,500
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Gulfstream III	136	77.8	82.7	23.2	68,700
Gulfstream I	113	78.5	64.0	22.8	35,100
AIDC-XC-2	86	81.7	65.9	25.3	25,000
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
Concorde	162	83.8	203.8	40.0	408,000
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Antonov AN-72	89*	84.8	87.1	27.0	63,935
HS-146	117	86.5	93.1	28.5	87,500
BAC-111-200	129	88.5	93.5	24.5	79,000
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-400	137	88.6	93.5	24.6	88,500
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Convair 240	107	91.8	74.7	26.9	41,790
Boeing 737	137	93.0	94.0	37.2	116,000
DeH Dash 7	83	93.0	80.7	26.2	44,000
Martin-404	98	93.3	74.6	28.7	44,900
BAC-111-475	135	93.5	93.5	24.5	98,500
BAC-111-500	144	93.5	107.0	24.5	104,500
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000
Vickers VC-2	122	94.0	85.7	26.9	72,500
Aeritalia G-222	109	94.5	79.2	38.5	58,422
HP Herald	88	94.7	75.5	24.1	43,000
Tupolev TU-144	178	94.8	215.5	42.2	396,830
DeH Trident 121-2	137	95.0	114.8	27.0	135,500
MDC-DC-3	72	95.0	64.5	23.5	25,200
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Fairchild F-27	109	95.2	77.2	27.5	42,000
Fokker F-27	102	95.2	82.2	27.6	45,000
Tupolev TU-134	144	95.2	121.7	30.0	103,600
DeH DHC-4	77	95.6	72.6	31.8	28,500
Antonov AN-24	119	95.8	77.2	27.3	48,060
Antonov AN-26	121	95.8	78.1	28.1	52,920
DeH DHC-5	91	96.0	79.0	28.7	49,200
Antonov AN-30	112	96.4	80.1	27.3	51,040
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
DeH Trident 121-3	143	98.0	131.2	28.3	158,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
HS-748 Andover C	100	98.2	78.0	30.1	50,000
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Lockheed 188	123	99.0	104.5	32.8	116,000
Lockheed P-3	134	99.7	116.8	33.7	135,000
NAI-QSTOL	85	100.3	98.4	32.8	85,300
Kawasaki C-1	118*	100.4	95.1	32.9	85,320
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Breguet 200	117	104.8	134.4	37.3	154,323
Nihon YS-11	98	105.0	86.3	29.5	54,010
Convair 440	106	105.3	79.2	28.2	49,100
Convair 580	107	105.3	81.5	29.1	54,600
Convair 340	104	105.6	79.2	28.2	47,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Fairchild C-123	88	110.0	75.8	34.1	60,000
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
DeH Comet 4C	108	114.9	118.0	29.5	162,000
AW-650 Argosy	123	115.0	89.8	29.3	93,000
AW-660 Argosy	113	115.0	89.1	27.0	97,000
MDC-DC-4	95	117.5	93.8	27.9	73,200
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Breguet 1150	130*	119.1	104.2	37.2	95,900
Lockheed 400	121*	119.7	97.8	38.0	84,000
Convair 880	155	120.0	129.3	36.3	193,000
Convair 990	156	120.0	139.2	39.5	253,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Lockheed 1049	113	123.0	113.3	24.8	142,100
Lockheed 749	93	123.0	95.2	22.4	107,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Boeing 757	135	124.5	154.6	44.5	220,000
Antonov AN-10	126	124.8	121.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	34.6	134,480
MDC-DC-7	110	127.5	112.3	31.8	143,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing 720	133	130.8	136.7	41.5	230,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Transall C-160	124	131.3	106.3	40.6	112,435
Lockheed 100-20	137	132.6	106.1	38.4	155,800
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Rockwell B-1	165*	136.7	150.3	33.6	389,800

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Boeing 377	105	141.3	110.3	38.3	145,800
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Bristol Britannia	117	142.2	124.2	37.5	185,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
A-310 Airbus	125	144.0	154.9	51.9	288,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
A-300 Airbus	132	147.1	175.9	54.2	429,900
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Lockheed 1649	89	150.0	116.2	24.8	160,000
Boeing 777	145	155.0	181.5	44.8	380,000
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
Boeing 767	130	156.3	159.1	52.0	300,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Shorts Belfast	126	158.9	136.4	47.0	230,000
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
MDC-C-133	128	179.7	157.5	48.3	300,000
Boeing B-52	141*	185.0	157.6	40.8	488,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Lockheed C-5A	135	222.8	247.8	65.1	769,000

*Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY LENGTH

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Prepared by: AFO-560
July 1980

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Cessna-150	55	33.3	24.1	8.5	1,670
Cessna-177	64	35.5	27.2	8.6	2,500
Beech A-36	72	33.5	27.5	8.6	3,650
DeH DHC-2	50	48.0	30.3	9.0	5,100
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Foxjet 600	97	31.6	31.5	10.2	4,449
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Piper Navajo	100	40.7	32.6	13.0	6,500
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Lapen XT-400	75	47.9	33.5	14.1	5,555
Embraer-820	74	40.7	34.6	13.0	7,000
Piper Aerostar	94	36.7	34.8	12.1	6,000
Embraer-326	102	35.6	35.0	12.2	11,500
Beech E-18	87	49.2	35.1	10.5	8,750
Beech E-90	98	50.3	35.5	14.2	10,100
Cessna-402	95	44.1	36.3	11.4	6,850
Cessna-414	94	44.1	36.4	11.5	6,785
Cessna-421	96	41.1	36.4	12.9	7,500
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Antonov AN-14	52	72.1	37.5	15.2	7,935
Dornier DO-28	74	51.0	37.5	12.8	8,853
Learfan 2100	86	39.3	38.7	11.5	7,200
Cessna-441	100	49.3	39.0	13.1	9,850
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Yu Shi-11	80*	55.7	39.4	15.1	7,150
Cessna-404	92	46.3	39.5	13.3	8,450
DeH Dove-104	84	57.0	39.5	13.3	8,950
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Beech F-90	108	45.9	39.8	15.1	10,950
Beech 100	92	45.8	39.9	15.4	11,500
Embraer-121	92	47.4	40.2	15.9	12,500
PZL-AN-2	54	59.7	40.7	13.1	12,125
AJI Hustler	98	34.3	41.0	13.1	9,500
Homad H-22	69	54.0	41.2	18.1	8,500
PZL-M-15	62	73.5	41.8	17.5	12,465
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Antonov AN-28	88	72.4	42.6	15.1	13,450
PZL-AN-28	85	72.2	42.6	15.1	13,450

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
IAI Arava-201	81	68.8	42.8	17.1	15,000
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Learjet 24	128	35.6	43.2	12.6	13,500
Cessna Citation I	108	47.1	43.5	14.3	11,850
Beech 200	106	54.5	43.8	15.0	12,500
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell 690	97	46.5	44.3	15.0	10,250
Beech B-99	96	45.9	44.6	14.3	10,900
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Learjet 28/29	120	42.2	45.0	12.6	15,000
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Breguet FAL-10	104	42.9	45.5	15.1	18,740
DeH Heron-114	85	71.5	45.5	15.6	13,500
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
HP Jetstream	99	52.0	47.1	17.5	12,566
Nomad N-24	73	54.0	47.1	18.1	9,400
Cessna Citation II	108	51.6	47.2	14.8	13,300
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
HS-125-1/400	124	47.0	47.4	16.5	26,500
LET L-410	81	63.9	47.4	19.1	12,566
Learjet 25	137	35.6	47.6	12.6	15,000
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Dolphin IA-50	101	64.1	48.8	19.1	16,200
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Embraer-110	92	50.3	49.5	15.5	12,500
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Rockwell JC1121	130	43.3	50.4	15.8	16,800
HS-125-600	125	47.0	50.5	17.3	25,000
HS-125-700	125	47.0	50.7	17.6	25,000
Cessna Citation III	114	50.6	51.6	17.0	17,000
DeH DHC-6	75	65.0	51.8	19.5	12,500
Volpar Centennial	88	50.0	51.9	16.5	12,500
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
Ahrens 404	98	66.0	52.8	17.5	17,000
Dornier LTA	74*	58.4	54.4	18.2	15,100
Hansa HFB-320	125	47.5	54.5	16.2	20,280
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
Air Metal C-111	96	63.0	55.2	21.0	18,629
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Swearingen Matro	112	46.3	59.4	16.8	12,500
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Breguet FAL-50	113	61.9	60.8	22.9	38,480
WORD-262	96	71.9	63.3	20.4	23,800
Gulfstream I	113	78.5	64.0	22.8	35,100
MDC-DC-3	72	95.0	64.5	23.5	25,200

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
AIDC-XC-2	86	81.7	65.9	25.3	25,000
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
GAC-100	86	70.0	67.3	24.9	28,900
Fokker VFW-614	111	70.5	67.5	25.6	44,000
Canadair CL-600	125	61.8	68.4	20.7	32,500
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
DeH DHC-4	77	95.6	72.6	31.8	28,500
Martin-404	98	93.3	74.6	28.7	44,900
Convair 240	107	91.8	74.7	26.9	41,790
HP Herald	88	94.7	75.5	24.1	43,000
Fairchild C-123	88	110.0	75.8	34.1	60,000
Antonov AN-24	119	95.8	77.2	27.3	48,060
Fairchild F-27	109	95.2	77.2	27.5	42,000
Breguet 914S	59	76.7	77.9	31.7	26,500
HS-748 Andover C	100	98.2	78.0	30.1	50,000
Antonov AN-26	121	95.8	78.1	28.1	52,920
DeH DHC-5	91	96.0	79.0	28.7	49,200
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Convair 340	104	105.6	79.2	28.2	47,000
Convair 440	106	105.3	79.2	28.2	49,100
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
Antonov AN-30	112	96.4	80.1	27.3	51,040
DeH Dash 7	83	93.0	80.7	26.2	44,000
Convair 580	107	105.3	81.5	29.1	54,600
Fokker F-27	102	95.2	82.2	27.6	45,000
Gulfstream III	136	77.8	82.7	23.2	68,700
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Vickers VC-2	122	94.0	85.7	26.9	72,500
Nihon YS-11	98	105.0	86.3	29.5	54,010
Fairchild C-119	122	109.2	86.5	26.2	74,400
Antonov AN-72	89*	84.8	87.1	27.0	63,935
AW-660 Argosy	113	115.0	89.1	27.0	97,000
AW-650 Argosy	123	115.0	89.8	29.3	93,000
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
HS-146	117	86.5	93.1	28.3	87,500
BAC-111-200	129	88.5	93.5	24.5	79,000
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-400	137	88.6	93.5	24.6	88,500
BAC-111-475	135	93.5	93.5	24.5	98,500
MDC-DC-4	95	117.5	93.8	27.9	73,200
Boeing 737	137	93.0	94.0	37.2	116,000
Kawasaki C-1	118*	100.4	95.1	32.9	85,320
Lockheed 749	93	123.0	95.2	22.4	107,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000

Albatross

	<u>Wing Span (Inches)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Boeing 340-4000	112	82.3	97.1	27.8	70,800
Lockheed 440	121.4	119.7	97.8	38.0	84,000
Boeing 707-120	85	100.3	98.4	32.8	85,300
Boeing 707-120	132.4	83.4	100.3	50.0	83,775
Boeing 710	130.4	119.1	104.2	37.2	95,900
Boeing 710/13	134	89.4	104.4	27.5	90,700
Boeing 710	124	93.5	104.4	27.5	98,000
Boeing 710	123	99.0	104.5	32.8	116,000
Boeing 710	127	112.5	105.0	28.6	114,640
Boeing 710	127	132.6	106.1	38.4	153,800
Boeing 710	124	131.3	106.3	40.6	112,435
Boeing 710	124	117.5	106.7	28.7	107,000
Boeing 710	144	93.5	107.0	24.5	104,500
Boeing 710	127	124.8	109.0	34.6	134,480
Boeing 710	105	141.3	110.3	38.3	145,800
Boeing 710	120	127.5	112.3	31.8	143,000
Boeing 710	120	53.6	112.4	18.5	170,000
Boeing 710	120	132.8	112.7	38.4	153,000
Boeing 710	113	123.0	113.3	24.8	142,100
Boeing 710	127	95.0	114.8	27.0	135,500
Boeing 710	120	98.0	114.8	27.0	144,000
Boeing 710	120	114.8	114.8	50.0	114,640
Boeing 710	120	150.8	116.2	24.8	160,000
Boeing 710	124	98.7	116.8	33.7	135,000
Boeing 710	102	122.7	117.8	33.3	141,100
Boeing 710	102	114.8	118.0	29.5	162,000
Boeing 710	127	95.5	119.4	27.5	121,000
Boeing 710	120	124.8	121.4	32.2	121,500
Boeing 710	120	95.2	121.7	30.0	103,800
Boeing 710	124	122.4	122.9	35.0	146,500
Boeing 710	117	141.2	124.2	37.5	185,000
Boeing 710	120	93.5	125.7	28.6	114,000
Boeing 710	120	114.8	126.7	29.7	177,500
Boeing 710	120	120.0	129.3	36.3	193,000
Boeing 710	141	98.0	131.2	28.3	158,000
Boeing 710	140	98.0	131.2	28.3	158,000
Boeing 710	120	127.0	131.7	48.3	237,000
Boeing 710	120	107.9	133.2	34.5	170,000
Boeing 710	120	93.5	133.5	28.6	121,000
Boeing 710	120	120.0	134.4	37.5	194,323
Boeing 710	120	120.0	134.4	47.0	230,000
Boeing 710	120	120.0	134.7	41.5	230,000
Boeing 710	120	120.0	134.7	41.2	230,000
Boeing 710	120	120.0	134.8	38.6	218,545
Boeing 710	120	120.0	134.8	39.5	232,000
Boeing 710	120	142.0	142.0	35.0	297,000
Boeing 710	120	120.1	143.6	38.3	323,000
Boeing 710	120	120.0	143.7	41.7	238,000
Boeing 710	120	120.0	143.7	41.7	238,000
Boeing 710	120	120.0	143.7	41.7	238,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Rockwell B-1	165*	136.7	150.3	33.6	389,800
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
Boeing 757	135	124.5	154.6	44.5	220,000
A-310 Airbus	125	144.0	154.9	51.9	288,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-C-133	128	179.7	157.5	48.3	300,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Boeing B-52	141*	185.0	157.6	40.8	488,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Boeing 767	130	156.3	159.1	52.0	300,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
A-300 Airbus	132	147.1	175.9	54.2	429,900
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Boeing 777	145	155.0	181.5	44.8	380,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Concorde	162	83.8	203.8	40.0	408,000
Tupolev TU-144	178	94.8	215.5	42.2	396,830
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000

*Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY TAIL HEIGHT

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Prepared by: AFO-560
July 1980

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Cessna-150	55	33.3	24.1	8.5	1,670
Beech A-36	72	33.5	27.5	8.6	3,650
Cessna-177	64	35.5	27.2	8.6	2,500
DeH DHC-2	50	48.0	30.3	9.0	5,100
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Foxjet 600	97	31.6	31.5	10.2	4,449
Beech E-18	87	49.2	35.1	10.5	8,750
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Cessna-402	95	44.1	36.3	11.4	6,850
Cessna-414	94	44.1	36.4	11.5	6,785
Learfan 2100	86	39.3	38.7	11.5	7,200
Piper Aerostar	94	36.7	34.8	12.1	6,000
Embraer-326	102	35.6	35.0	12.2	11,500
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 25	137	35.6	47.6	12.6	15,000
Learjet 28/29	120	42.2	45.0	12.6	15,000
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Dornier DO-28	74	51.0	37.5	12.8	8,853
Cessna-421	96	41.1	36.4	12.9	7,500
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Embraer-820	74	40.7	34.6	13.0	7,000
Piper Navajo	100	40.7	32.6	13.0	6,500
AJI Hustler	98	34.3	41.0	13.1	9,500
Cessna-441	100	49.3	39.0	13.1	9,850
PZL-AN-2	54	59.7	40.7	13.1	12,125
Cessna-404	92	46.3	39.5	13.3	8,450
DeH Dove-104	84	57.0	39.5	13.3	8,950
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Lapan XT-400	75	47.9	33.5	14.1	5,555
Beech E-90	98	50.3	35.5	14.2	10,100
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Beech B-99	96	45.9	44.6	14.3	10,900
Cessna Citation I	108	47.1	43.5	14.3	11,850
Cessna Citation II	108	51.6	47.2	14.8	13,300
Learjet 54-55-56	128	43.8	55.1	14.8	20,500

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Beech 200	106	54.5	43.8	15.0	12,500
Rockwell 690	97	46.5	44.3	15.0	10,250
Antonov AN-28	88	72.4	42.6	15.1	13,450
Beech F-90	108	45.9	39.8	15.1	10,950
Breguet FAL-10	104	42.9	45.5	15.1	18,740
PZL-AN-28	85	72.2	42.6	15.1	13,450
Yu Shi-11	80*	55.7	39.4	15.1	7,150
Antonov AN-14	52	72.1	37.5	15.2	7,935
Beech 100	92	45.8	39.9	15.4	11,500
Embraer-110	92	50.3	49.5	15.5	12,500
DeH Heron-114	85	71.5	45.5	15.6	13,500
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Embraer-121	92	47.4	40.2	15.9	12,500
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Hansa HFB-320	125	47.5	54.5	16.2	20,280
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
HS-125-1/400	124	47.0	47.4	16.5	26,500
Volpar Centennial	88	50.0	51.9	16.5	12,500
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Swearingen Metro	112	46.3	59.4	16.8	12,500
Cessna Citation III	114	50.6	51.6	17.0	17,000
IAI Arava-201	81	68.8	42.8	17.1	15,000
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
HS-125-600	125	47.0	50.5	17.3	25,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Ahrens 404	98	66.0	52.8	17.5	17,000
HP Jetstream	99	52.0	47.1	17.5	12,566
PZL-M-15	62	73.5	41.8	17.5	12,465
HS-125-700	125	47.0	50.7	17.6	25,000
Nomad N-22	69	54.0	41.2	18.1	8,500
Nomad N-24	73	54.0	47.1	18.1	9,400
Dornier LTA	74*	58.4	54.4	18.2	15,100
Lockheed SR-71	180	55.6	112.4	18.5	170,000
Dolphin IA-50	101	64.1	48.8	19.1	16,200
LET L-410	81	63.9	47.4	19.1	12,566
DeH DHC-6	75	65.0	51.8	19.5	12,500
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
NORD-262	96	71.9	63.3	20.4	23,800
Canadair CL-600	125	61.8	68.4	20.7	32,500
Air Metal C-111	96	63.0	55.2	21.0	18,629
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Lockheed 749	93	123.0	95.2	22.4	107,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Gulfstream I	113	78.5	64.0	22.8	35,100
Breguet PAL-50	113	61.9	60.8	22.9	38,480
Gulfstream III	136	77.8	82.7	23.2	68,700
MDC-DC-3	72	95.0	64.5	23.5	25,200
HP Herald	88	94.7	75.5	24.1	43,000
BAC-111-200	129	88.5	93.5	24.5	79,000
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-475	135	93.5	93.5	24.5	98,500
BAC-111-500	144	93.5	107.0	24.5	104,500
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
BAC-111-400	137	88.6	93.5	24.6	88,500
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Lockheed 1049	113	123.0	113.3	24.8	142,100
Lockheed 1649	89	150.0	116.2	24.8	160,000
GAC-100	86	70.0	67.3	24.9	28,900
AIDC-XC-2	86	81.7	65.9	25.3	25,000
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Fokker VFW-614	111	70.5	67.5	25.6	44,000
DeH Dash 7	83	93.0	80.7	26.2	44,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Convair 240	107	91.8	74.7	26.9	41,790
Vickers VC-2	122	94.0	85.7	26.9	72,500
Antonov AN-72	89*	84.8	87.1	27.0	63,935
AW-660 Argosy	113	115.0	89.1	27.0	97,000
DeH Trident 121-2	137	95.0	114.8	27.0	135,500
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
Antonov AN-24	119	95.8	77.2	27.3	48,060
Antonov AN-30	112	96.4	80.1	27.3	51,040
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Fairchild F-27	109	95.2	77.2	27.5	42,000
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
Fokker F-27	102	95.2	82.2	27.6	45,000
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
MDC-DC-4	95	117.5	93.8	27.9	73,200
Antonov AN-26	121	95.8	78.1	28.1	52,920
Convair 340	104	105.6	79.2	28.2	47,000
Convair 440	106	105.3	79.2	28.2	49,100
DeH Trident 121-3	143	98.0	131.2	28.3	158,000
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
HS-146	117	86.5	93.1	28.3	87,500
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
DeH DHC-5	91	96.0	79.0	28.7	49,200
Martin-404	98	93.3	74.6	28.7	44,900
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Convair 580	107	105.3	81.5	29.1	54,600
AW-650 Argosy	123	115.0	89.8	29.3	93,000
DeH Comet 4C	108	114.9	118.0	29.5	162,000
Nihon YS-11	98	105.0	86.3	29.5	54,010
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Tupolev TU-134	144	95.2	121.7	30.0	103,600
HS-748 Andover C	100	98.2	78.0	30.1	50,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Breguet 914S	59	76.7	77.9	31.7	26,500
DeH DHC-4	77	95.6	72.6	31.8	28,500
MDC-DC-7	110	127.5	112.3	31.8	143,000
Antonov AN-10	126	124.8	121.4	32.2	121,500
Lockheed 188	123	99.0	104.5	32.8	116,000
NAI-QSTOL	85	100.3	98.4	32.8	85,300
Kawasaki C-1	118*	100.4	95.1	32.9	85,320
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Rockwell B-1	165*	136.7	150.3	33.6	389,800
Lockheed P-3	134	99.7	116.8	33.7	135,000
Fairchild C-123	88	110.0	75.8	34.1	60,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Antonov AN-12	127	124.8	109.0	34.6	134,480
Boeing 727-200	138	107.9	153.2	34.9	210,000
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Convair 880	155	120.0	129.3	36.3	193,000
Boeing 737	137	93.0	94.0	37.2	116,000
Breguet 1150	130*	119.1	104.2	37.2	95,900
Breguet 200	117	104.8	134.4	37.3	154,323
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Bristol Britannia	117	142.2	124.2	37.5	185,000
Lockheed 400	121*	119.7	97.8	38.0	84,000
Boeing 377	105	141.3	110.3	38.3	145,800
Lockheed 100-20	137	132.6	106.1	38.4	155,800
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Canadair CL-44	123	142.3	136.8	38.6	210,500
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Convair 990	156	120.0	139.2	39.5	253,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Concorde	162	83.8	203.8	40.0	408,000
Transall C-160	124	131.3	106.3	40.6	112,435
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Boeing B-52	141*	185.0	157.6	40.8	488,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing 720	133	130.8	136.7	41.5	230,000
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Tupolev TU-144	178	94.8	215.5	42.2	396,830
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Boeing 757	135	124.5	154.6	44.5	220,000
Boeing 777	145	155.0	181.5	44.8	380,000
Shorts Belfast	126	158.9	136.4	47.0	230,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
MDC-C-133	128	179.7	157.5	48.3	300,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
A-310 Airbus	125	144.0	154.9	51.9	288,000
Boeing 767	130	156.3	159.1	52.0	300,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
A-300 Airbus	132	147.1	175.9	54.2	429,900
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000

*Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY MAXIMUM TAKEOFF GROSS WEIGHT

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Prepared by: AFO-560
July 1980

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Cessna-150	55	33.3	24.1	8.5	1,670
Cessna-177	64	35.5	27.2	8.6	2,500
Beech A-36	72	33.5	27.5	8.6	3,650
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Foxjet 600	97	31.6	31.5	10.2	4,449
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
DeH DHC-2	50	48.0	30.3	9.0	5,100
Lapan XT-400	75	47.9	33.5	14.1	5,555
Piper Aerostar	94	36.7	34.8	12.1	6,000
Piper Navajo	100	40.7	32.6	13.0	6,500
Cessna-414	94	44.1	36.4	11.5	6,785
Cessna-402	95	44.1	36.3	11.4	6,850
Embraer-820	74	40.7	34.6	13.0	7,000
Yu Shi-11	80*	55.7	39.4	15.1	7,150
Learfan 2100	86	39.3	38.7	11.5	7,200
Cessna-421	96	41.1	36.4	12.9	7,500
Antonov AN-14	52	72.1	37.5	15.2	7,935
Cessna-404	92	46.3	39.3	13.3	8,450
Nomad N-22	69	54.0	41.2	18.1	8,500
Beech E-18	87	49.2	35.1	10.5	8,750
Dornier DO-28	74	51.0	37.5	12.8	8,853
DeH Dove-104	84	57.0	39.5	13.3	8,950
Nomad N-24	73	54.0	47.1	18.1	9,400
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
AJI Hustler	98	34.3	41.0	13.1	9,500
Cessna-441	100	49.3	39.0	13.1	9,850
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Beech E-90	98	50.3	35.5	14.2	10,100
Rockwell 690	97	46.5	44.3	15.0	10,250
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Beech B-99	96	45.9	44.6	14.3	10,900
Beech F-90	108	45.9	39.8	15.1	10,950
Beech 100	92	45.8	39.9	15.4	11,500
Embraer-326	102	35.6	35.0	12.2	11,500
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Cessna Citation I	108	47.1	43.5	14.3	11,850

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
PZL-AM-2	54	59.7	40.7	13.1	12,125
PZL-M-15	62	73.5	41.8	17.5	12,465
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Beech 200	106	54.5	43.8	15.0	12,500
DeH DMC-6	75	65.0	51.8	19.5	12,500
Embraer-110	92	50.3	49.5	15.5	12,500
Embraer-121	92	47.4	40.2	15.9	12,500
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Swearingen Metro	112	46.3	59.4	16.8	12,500
Volpar Centennial	88	50.0	51.9	16.5	12,500
HP Jetstream	99	52.0	47.1	17.5	12,566
LET L-410	81	63.9	47.4	19.1	12,566
Cessna Citation II	108	51.6	47.2	14.8	13,300
Antonov AN-28	88	72.4	42.6	15.1	13,450
PZL-AM-28	85	72.2	42.6	15.1	13,450
DeH Heron-114	85	71.5	45.5	15.6	13,500
Learjet 24	128	35.6	43.2	12.6	13,500
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
SW-600 Corvette	118	42.2	45.4	13.9	14,550
IAI Arava-201	81	68.8	42.8	17.1	15,000
Learjet 25	137	35.6	47.6	12.6	15,000
Learjet 28/29	120	42.2	45.0	12.6	15,000
Dornier LTA	74*	58.4	54.4	18.2	15,100
Dolphin IA-50	101	64.1	48.8	19.1	16,200
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Ahrens 404	98	66.0	52.8	17.5	17,000
Cessna Citation III	114	50.6	51.6	17.0	17,000
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Air Metal C-111	96	63.0	55.2	21.0	18,629
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Hansa HFB-320	125	47.5	54.5	16.2	20,280
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
MORD-262	96	71.9	63.3	20.4	23,800
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
AIDC-KC-2	86	81.7	65.9	25.3	25,000
HS-125-600	125	47.0	50.5	17.3	25,000
HS-125-700	125	47.0	50.7	17.6	25,000
HDC-DC-3	72	95.0	64.5	23.5	25,200
Breguet 9148	59	76.7	77.9	31.7	26,500
HS-125-1/400	124	47.0	47.4	16.5	26,500
DeH DMC-4	77	95.6	72.6	31.8	28,500
Breguet FAL-20	107	53.5	56.3	17.4	28,660

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
GAC-100	86	70.0	67.3	24.9	28,900
Canadair CL-600	125	61.8	68.4	20.7	32,500
Gulfstream I	113	78.5	64.0	22.8	35,100
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Convair 240	107	91.8	74.7	26.9	41,790
Fairchild F-27	109	95.2	77.2	27.5	42,000
HP Herald	88	94.7	75.5	24.1	43,000
DeH Dash 7	83	93.0	80.7	26.2	44,000
Fokker VFW-614	111	70.5	67.5	25.6	44,000
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Martin-404	98	93.3	74.6	28.7	44,900
Fokker F-27	102	95.2	82.2	27.6	45,000
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Convair 340	104	105.6	79.2	28.2	47,000
Antonov AN-24	119	95.8	77.2	27.3	48,060
Convair 440	106	105.3	79.2	28.2	49,100
DeH DHC-5	91	96.0	79.0	28.7	49,200
HS-748 Andover C	100	98.2	78.0	30.1	50,000
Antonov AN-30	112	96.4	80.1	27.3	51,040
Antonov AN-26	121	95.8	78.1	28.1	52,920
Nihon YS-11	98	105.0	86.3	29.5	54,010
Convair 580	107	105.3	81.5	29.1	54,600
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Fairchild C-123	88	110.0	75.8	34.1	60,000
Antonov AN-72	89*	84.8	87.1	27.0	63,935
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
Gulfstream III	136	77.8	82.7	23.2	68,700
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Vickers VC-2	122	94.0	85.7	26.9	72,500
MDC-DC-4	95	117.5	93.8	27.9	73,200
Fairchild C-119	122	109.2	86.5	26.2	74,400
BAC-111-200	129	88.5	93.5	24.5	79,000
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Lockheed 400	121*	119.7	97.8	38.0	84,000
NAI-QSTOL	85	100.3	98.4	32.8	85,300
Kawasaki C-1	118*	100.4	95.1	32.9	85,320
HS-146	117	86.5	93.1	28.3	87,500
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-400	137	88.6	93.5	24.6	88,500
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
AW-650 Argosy	123	115.0	89.8	29.3	93,000
Breguet 1150	130*	119.1	104.2	37.2	95,900
AW-660 Argosy	113	115.0	89.1	27.0	97,000
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
BAC-111-475	135	93.5	93.5	24.5	98,500
Tupolev TU-134	144	95.2	121.7	30.0	103,600
BAC-111-500	144	93.5	107.0	24.5	104,500
Lockheed 749	93	123.0	95.2	22.4	107,000
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Transall C-160	124	131.3	106.3	40.6	112,435
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
Boeing 737	137	93.0	94.0	37.2	116,000
Lockheed 188	123	99.0	104.5	32.8	116,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000
Antonov AN-10	126	124.8	121.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	34.6	134,480
Lockheed P-3	134	99.7	116.8	33.7	135,000
DeH Trident 121-2	137	95.0	114.8	27.0	135,500
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Lockheed 1049	113	123.0	113.3	24.8	142,100
MDC-DC-7	110	127.5	112.3	31.8	143,000
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
Boeing 377	105	141.3	110.3	38.3	145,800
Vickers Vanguard	119	118.6	122.9	35.0	146,500
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Breguet 200	117	104.8	134.4	37.3	154,323
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Lockheed 100-20	137	132.6	106.1	38.4	155,800
DeH Trident 121-3	143	98.0	131.2	28.3	158,000
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
Lockheed 1649	89	150.0	116.2	24.8	160,000
DeH Comet 4C	108	114.9	118.0	29.5	162,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Lockheed SR-71	180	55.6	112.4	18.5	170,000
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Bristol Britannia	117	142.2	124.2	37.5	185,000
Convair 880	155	120.0	129.3	36.3	193,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Boeing 727-200	138	107.9	153.2	34.9	210,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
Boeing 757	135	124.5	154.6	44.5	220,000
Boeing 720	133	130.8	136.7	41.5	230,000
Shorts Belfast	126	158.9	136.4	47.0	230,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
Convair 990	156	120.0	139.2	39.5	253,000

<u>Aircraft</u>	<u>Appch Speed (Knots)</u>	<u>Wing Span (Feet)</u>	<u>Length (Feet)</u>	<u>Tail Height (Feet)</u>	<u>Maximum TOGW (Lbs)</u>
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
A-310 Airbus	125	144.0	154.9	51.9	288,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
Boeing 767	130	156.3	159.1	52.0	300,000
MDC-C-133	128	179.7	157.5	48.3	300,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Boeing 707-320B	136	145.5	152.9	42.2	336,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Boeing 777	145	155.0	181.5	44.8	380,000
Rockwell B-1	165*	136.7	150.3	33.6	389,800
Tupolev TU-144	178	94.8	215.5	42.2	396,830
Concorde	162	83.8	203.8	40.0	408,000
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
A-300 Airbus	132	147.1	175.9	54.2	429,900
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Boeing B-52	141*	185.0	157.6	40.8	488,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Antonov AN-22	140*	211.3	189.6	41.2	551,160
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000

*Approach speeds estimated.