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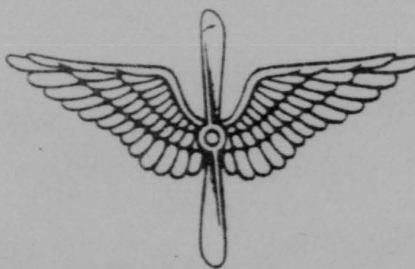
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QUARTERLY CHART AIRPLANE CHARACTERISTICS AND PERFORMANCE



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WRIGHT FIELD, DAYTON, OHIO.

1 JANUARY 1945

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PREFACE SHEET

EE-306-3

QUARTERLY CHART OF FOREIGN AIRPLANE CHARACTERISTICS AND PERFORMANCE

Characteristics and Performance data shown are evaluations of the latest information obtained from various sources including British, Army, and Navy Intelligence. The data itself is derived from estimates based on known characteristics and from actual flight tests of the aircraft in question. Figures shown here are constantly subject to change as later and more detailed information becomes available.

An attempt has been made to express the data in terms which are analagous to those used by the Army Air Forces for the expression of characteristics and performance in similar charts. Therefore the following definitions will be generally applicable:

ENGINE RATINGS are given for the engine as a unit, and do not include ram which may increase the ratings under flight conditions. **NORMAL RATED POWER** is the maximum power permissible for continuous use and may be obtained between sea level and the normal rated altitude of the engine. Normal rated altitude is the altitude at which normal rated power is developed at normal rated speed with full throttle under standard altitude conditions. (An engine with a two speed or two-stage supercharger has two or more normal rated altitudes). **MILITARY RATED POWER** is a maximum power permitted for short duration only. **TAKE-OFF POWER** is the maximum power designated by the manufacturers for use under sea level conditions.

SPEEDS: The high speed based on design gross weight is given at the critical altitude of the airplane (i.e. where best performance is obtained with the horsepower shown). **CLIMB** is determined with the design gross weight and using take-off and then maximum continuous power. **TAKE-OFF** and **LANDING** is based on design gross weight.

RANGE-FUELS-BOMBS: These columns should be used together and take into consideration the weight shown in the weight column. **RANGE** is based on ideal cruising conditions, utilizing best combination of power, altitude, etc., and do not include any safety factors or allowances for warm-up, take-off, climb, navigation variations, et. Practical ranges average 75% of the value shown or less.

ARMAMENT: Installations for design gross weight.

COMBAT PROTECTION includes Leak Proof (L.P.) Tanks, Armor and Bullet Proff (B.P.) Glass

THIS REPORT SUPERSEDES PREVIOUS EE-306-3 PUBLICATIONS: SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN A.R. 380-5.

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AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH AIR FORCE

PAGE 3

DATE JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER OF OBS. LAND OVER OF OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—EDS. OF AMM. PER GUN	COMBAT PROT. REFEREN. TYPE	REFERENCES
					MAX. M/M NORMAL (WITH MAX. BOMBS)	MAX. M/M NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAX. M/M				
BLACKBURN FIREBRAND ONE NAPIER SABRE III	1670/16250 1920/16000 2250	350/18000/-	11/20000 31500	1350	1025/230/-	200	NONE	9920 12550	50'0"	4-20MM-100	DA-1 1/25/40 STOUGA REPT. 274
BLACKBURN POC I ONE BRIS. PERSEUS XII	905/6500 745/6500 850	223/7500/-	25.5/15000 18200	-	650/150/-	140	NONE	6100 6040	47'0"	4-505/500	MID-DA 11/9/40
BLACKBURN POC II ONE BRIS. PERSEUS XII	905/6500 745/6500 850	224/6900/-	22.1/15000 19100	-	900/140/-	195	NONE	6520 6470 6412	46'12"	FRONT ARMOR ONLY	MID-DA 11/7/40
BOULTON PAUL DEFIANT ONE RR-MERLIN	990/12250 1050/16250 880	304/17000/-	8.5/15000 30000	1500 2310	580/180/-	125	NONE	5950 7710	39'4"	4-505-500	ARMOR L.P. TANKS 1/12/40
BOULTON PAUL DEFIANT II ONE RR-MERLIN XX	1180/18000 1170/21000 1280	315/22000/-	7.0/15000 34200	1350 2370	480/175/-	125	NONE	6100 6060	41'0"	4-505	M.I.C. 5/12/42
BRISTOL BEAUFIGHTER I TWO BRIS. HERCULES XI	1200/14000 1530/11250/ 1500	324/11750/-	- 30000	2700 2580	1515/225/-	600	NONE	13450 21120	57'10"	4-20MM-100 L.P. TANKS S.P. GLASS	M.I.C. DAYTON 640
BRISTOL BEAUFIGHTER II TWO RR-MERLIN XX	1180/18000 1170/21000 1280	329/20400/-	4.5/16000 50000	2070 2505	1610/225/-	650	NONE	12940 20374	57'10"	4-20MM-100 L.P. TANKS S.P. GLASS	M.I.C. 1-4 DAYTON 640 11/8/40
BRISTOL BEAUFIGHTER III TWO BRIS. HERCULES VI	1400/14500 1550/15500 1770	335/15500/-	7.8/15000 27000	1845 2550	1480/245/-	650	NONE	21500	57'10"	4-20MM-100 L.P. TANKS S.P. GLASS	M.I.C. 1-4 DAYTON 640 11/8/40
DEHAVILLAND MOSQUITO VI TWO RR-MERLIN XXI	1180/18000 1170/21000 1280	380/22000/-	7.4/20000 29500	2175 2545	1205/240/-	495	1000	14410 19820	54'0"	4-20MM-100 L.P. TANKS	M.I.C. 1-4 DAYTON 640 11/8/40
FAIRY FIREFLY ONE RR-GRIFFON I	1355/17000 1580/14000 1750	338/21000/-	11.2/20000 10500	1950	708/202/-	-	NONE	8741 11571	44'0"	2-20MM-175 2-20MM-150	DA 1/25/40 STOUGA REPT. 274

NOTES:
* ESTIMATE
AC—AIR CORPS
DA—DEFENSE AID
PO—PURCHASE ORDER

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

881104-118788

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30 OBS. LAND OVER 30 OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS --CAL--RDS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE		
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS					NONE NORMAL MAXIMUM	AT. EMPTY W/ LIGHTS WEIGHTS AC LIGHTS
ONE P-51A/B ONE P-51C/D	1240/1240 1240/1240 1500	254/16000/- 75	20.1/20000 24000	- -	525/1500/- -	185 -	NONE -	4575 4400	45'10" 40'4" 278 SQ. FT.	8--505-1000 OR 4--50-100 S.P. GLASS	ARMOR L.P. TANKS	M.I.D. 11/7/42
HARRIER HURRICANE IIC ONE P-51C/D	1100/18000 1170/21000 1200	115/22000/- -	5.9/18000 35500 1800	1250 1800	440/1700/- 115/261/-	115 115	NONE NONE	5250 7200 7200	40'0" 37'4" 258 SQ. FT.	12--505-100 L.P. TANKS	ARMOR L.P. TANKS	S.A.D. 8/10/42
HARRIER HURRICANE IIC ONE P-51C/D	1100/18000 1170/21000 1200	115/22000/- -	5.9/18000 35500 1800	1250 1800	440/1700/- 115/261/-	115 115	NONE NONE	5250 7200 7200	40'0" 37'4" 258 SQ. FT.	4--20MM--100 L.P. TANKS	ARMOR L.P. TANKS	AIR TECH. SECT. 1705A 11/11/42 11/20/42
HARRIER HURRICANE IIC ONE P-51C/D	1100/18000 1170/21000 1200	115/22000/- -	5.9/18000 35500 1800	1250 1800	440/1700/- 115/261/-	115 115	NONE NONE	5250 7200 7200	40'0" 37'4" 258 SQ. FT.	2--505-100 2--50MM--10	-	AIR TECH. SECT. 1705A 11/11/42
HARRIER TEMPEST I ONE P-51C/D	1770/20000 1900/22000 2000	456/26000/- -	6.7/20000 18000 2450	1500 2450	527/247/- -	80 -	NONE -	8100 11500	41'0" 34'0" 307 SQ. FT.	4--20MM--	-	M.I.D., THRU DAYTON SAC 11/6/42
HARRIER TEMPEST I ONE P-51C/D	1700/19200 -	420/19000/- -	7.2/20000 15800 2445	1650 2445	545/247/- -	240 -	NONE -	8100 11500	41'0" 34'0" 347 SQ. FT.	4--20 MM--	-	M.I.D., THRU DAYTON SAC 11/6/42
HARRIER TEMPEST IIC ONE NAVIER SABRE IIC	1675/16250 1900/16250 2010	414/21000/- -	7.5/20000 34500 2220	2500 2220	510/237/- 410/344/-	124 124	NONE NONE	8557 10500 10500	41'0" 32'0" 297 SQ. FT.	12--505-100 OR 4--20MM--150 S.P. GLASS	ARMOR L.P. TANKS	M.I.D. 10/24/41 Cable 5/16/41
MARTIN-BAKER ONE NAVIER SABRE IIC	1675/16250 1900/16250 2010	430/19000/- -	- -	- -	1 3/4 HRS. 5400 RANGE	- -	- -	- -	37'0" -	5--20MM--200	-	SPECIAL ARMY OBSERV. 1/24/42
SUPERMARINE SPITFIRE IIA ONE P-51C/D	1200/16000 1245/17750 1185	373/14500/- -	5.2/16000 37500	- -	500/241/- -	102 -	NONE -	4975 6212	36'10" 30'0" 242 SQ. FT.	8--505-100 L.P. TANKS S.P. GLASS	ARMOR L.P. TANKS S.P. GLASS	AAF DAYTON FLYING TEST
SUPERMARINE SPITFIRE IIC ONE P-51C/D	1200/16000 1245/17750 1185	371/20000/- -	5.6/20000 37700	1200 1830	480/185/- 335/310/-	102 102	NONE NONE	5450 6450	36'10" 30'0" 242 SQ. FT.	4--505-100 2--20MM--60 S.P. GLASS	ARMOR L.P. TANKS S.P. GLASS	S.A.D. 5/12/42

NOTES:
* ESTIMATE
** WT. WEIGHT OF 100 LBS
0 ESTIMATED TAKE-OFF WEIGHT OF 105000

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BRITISH FIGHTER

PAGE 3

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-HDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
SUPERMARINE SPITFIRE VC ONE RR-MERLIN XLV	1200/16000 1285/17750 1185	369/29500/-	7.0/20000 36500	- -	1085/206/- 474/-/-	- -	NONE NONE	9067 6737	36'10" 30'5" 242 SQ. FT.	4-20MM-120 L.P. TANKS	AIR. TECH. SEC ETDUSA REPT. NO. 274 10/29/42
SUPERMARINE SPITFIRE VII ONE RR-MERLIN 51	1190/25000 1500/24000 1575	495/26500/-	7.8/20000 40250	2085 2220	- 752/233/-	- 144	NONE -	6031 8000	40'2" 31'4" 249 SQ. FT.	4-308-550 2-20MM-155 L.P. TANKS S.P. GLASS	M.A.P. THRU DAYTON SAC 11/8/42
SUPERMARINE SPITFIRE IX ONE RR-MERLIN 51	1190/25000 1500/24000 1575	405/26500/-	4.2/15000 40750	1875 2150	- 472/228/-	- 102	- -	- 7450	36'10" 31'0" 242 SQ. FT.	4-308-550 2-20MM-120 L.P. TANKS S.P. GLASS	M.A.P. THRU DAYTON SAC 11/8/42
SUPERMARINE SPITFIRE XX ONE RR-GRIFFON II	1670/15240 1800/16250 2010	391/28000/-	- 33500	1980 2460	- 500/249/-	- 155	- -	- 9400	40'5" -	6-20MM-120 L.P. TANKS S.P. GLASS	M.A.P. THRU DAYTON SAC 11/8/42
WESTLAND WELKIN TWO RR-MERLIN 51	1190/25000 1300/24000 1375	431/26000/-	6.25/20000 44000	1890 2850	- 1560/245/-	- 554	- -	12695 16700	70'3" 41'5" 450 SQ. FT.	6-20MM-120	M.A.P. THRU DAYTON SAC 11/8/42
WESTLAND WHIRLWIND TWO RR-PEREGRINE I	860/15500 890/15000 855	348/15800/-	8.4/20000 50000	1890 2250	590/190/- 370/305/-	163 103	NONE -	8040 10116 10222	45'0" 32'3" 291 SQ. FT.	4-20MM-60 OR 12-303- L.P. TANKS S.P. GLASS	S.A.C. 5/12/42
BRISTOL BLENHEIM IVF TWO MERCURY XV	825/14000 -	250/12000/-	14/15000 24200	- -	- -	- -	- -	9235 14100 12660	56'4" 42'7" 469 SQ. FT.	4-303-500 1-503-400 1-303- L.P. TANKS	AIR INFO. DIV. NAVY DEPT. WASH. D.O. 8/45
DEHAVILLAND MOSQUITO X TWO MERLIN 73	1560/12000 1370/24000 -	417/25000/-	- 40000	- -	- -	- -	- -	14421 19700	54'2" 41'2" 454 SQ. FT.	4-303-500 4-20MM-150	AS ABOVE
SUPERMARINE SPITFIRE XXI ONE RR-GRIFFON 61	1470/26250 1725/15000 1940/ S L	457/25800	7.85/30000 44000 NONE	- -	414/247/- 375/247/- -	117 108	NONE	- 10250	36'10" 30'10" 242 SQ. FT.	4-20MM	ONI AID #41

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BRITISH BOMBARDMENT

PAGE 4

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—NO. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					RANGE with FUEL with BOMBS at WEIGHTS		WT. EMPTY WEIGHT WEIGHT					
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS						NONE NORMAL MAXIMUM
VICKERS WELLINGTON X TWO BRIS. HERCULES VI	1300/13500 1530/15500 1610/ S L	255/15000	22.0/15000 20500	- -	2000/165/- 1800/165/- 1475/165/-	1254 1122 900	NONE NONE 3500	21800 - 34500	85' 0" 60' 10" 830 SQ. FT.	5-303	ALL	ONI AID #A1
AVRO LANCASTER I FOUR RR-MERLIN XX	1180/18000 1170/21000 1280	280/20000/-	18.5/18000 A. 25000 B. 24500	4200 2550	5050/185/- 2510/185/- 1150/185/-	3048 2556 1285	NONE 4250 12750	35500 50000 50000	102' 0" 68' 11" 1297 SQ. FT.	4-303-2500 4-303-1000 2-303-500	ARMOR L.P. TANKS B.P. GLASS	A.O./R.D.T.I M.A.P.
AVRO LANCASTER II FOUR BRIS. HERCULES	1500/13500 1530/15500 1610	291/15500/-	20/15000 A. 21000 B. 25000	5000 2400	2950/195/- 2450/195/- 1075/195/-	3038 2556 1200	NONE 3900 12750	57970 55000 55000 55000	102' 0" 68' 11" 1297 SQ. FT.	4-303-2500 4-303-1000 2-303-500	ARMOR L.P. TANKS B.P. GLASS	A.O./R.D.T.I M.A.P.
BRISTOL BRANTFORD I TWO BRISTOL TAURUS VI	985/3750 1130/3500 1085	270/5500/-	- 19500	- -	1765/165/-	- -	- 500	11910 - 19080	58' 0" 44' 7" 503 SQ. FT.	2-303-400 2-303-500	-	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42
BRISTOL BLENHEIM IV TWO BRISTOL MERCURY	- 625/13000 920	256/15000/-	7/10000 27000	- -	1410/270/755	720 535	1100 1500	8250 - 14400 14400	55' 4" 42' 9" 459 SQ. FT.	4-303	ARMOR L.P. TANKS B.P. GLASS	AEROPLANE 3/29/40 M.I.D. 3/28/41
BRISTOL BLENHEIM V BRISTOL MERCURY XV	- 625/13000 920	244/6000/-	13500	- -	1230/170/-	- -	- 1000	- - 17040	55' 4" 42' 9" 469 SQ. FT.	1-303-400 4-303-1000	-	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42
BRISTOL BUCKINGHAM TWO BRIS. CENTAURUS IV	- 1780/18250 -	350/19250/-	16.0/15000 A. 22500 B. 27200	4350 2400	3500/215/- 1670/281/- 1670/281/-	1890 1250 1250	NONE 4000 4000	21274 35800 35550 35550	71' 9.5" 45' 5" 710 SQ. FT.	8-303-1000 2-303-700	-	A.O./R.D.T.I M.A.P.
DEHAVILLAND MOSQUITO MK V TWO RR-MERLIN XXI	1180/18000 1170/21000 1280	379/22200/- 102	11/1700 28800 *	2653 2400	- 1720/-/+ 1540/-/-	- 545 545	- 2000 2500	15129 - 20540 21310	54' 2" 41' 2" 490 SQ. FT.	NONE	ARMOR L.P. TANKS B.P. GLASS	I.T.M. #11 DEH. CANADA
FAIREY ALBACORE ONE BRIS. TAURUS XII	985/3750 1130/3500 1085	170/4800/- 68-83	10.3/10000 14400	- -	790/114/- 680/195/-	254 254	NONE 1500	7103 9900 - 12400	50' 0" 40' 0" 507 SQ. FT.	1-303-400 2-303-750	ARMOR L.P. TANKS	MID-ONI 11/7/44
FAIREY BARRACUDA ONE RR-MERLIN 30	1240/7150 1250/8750 1300	255/11000/-	6.7/5000 21000	- -	- 655/139/-	- -	- 1510	9142 - 13177	49' 2" 40' 6" 414 SQ. FT.	2-303 1-303-500 (RECONN. ONLY)	-	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42

NOTES:

- * OPERATIONAL CEILING; 500 FT./MIN RATE OF CLIMB
- ** NORMAL RECONN. LOAD
- A SERVICE CEILING AT MAXIMUM WEIGHT
- B SERVICE CEILING AT MEAN WEIGHT
- + MAXIMUM CEILING AT TAKE-OFF
- D HIGH SPEED IN TEST ON MK IV AT WRIGHT FIELD WAS 355/20,500

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BRITISH BOMBARDMENT

PAGE 5

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—BDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAX. M/M NORMAL (WITH MAX. BOMBS)	MAX. M/M NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
HANDLEY PAGE HALIFAX V FOUR RR-MERLIN XX	1405/14750 1480/ 5000	250/19500	23.0/18000 *20000	— —	2650/150/- 1900/130/- 700/190/-	3091 2253 930	NONE 5000 13000	35800 — 50000	98' 11" 70' 2" 1250 Sq. Ft.	9-303	ALL	DN A.D. #41
HANDLEY PAGE HALIFAX II FOUR RR-MERLIN XX	1180/18000 1170/21000 1280	258/19000/-	25.0/15000 A. 2100 B. 2500	3900 2580	2250/195/- 1785/195/- 550/195/-	2815 2264 936	NONE 4250 13000	35255 59000 59000 59400	99' 0" 70' 11" 1250 Sq. Ft.	10-303-1000 4800 Rds. Res. L.P. TANKS S.P. GLASS	ARMOR	A.D./R.D.T.
HANDLEY PAGE HALIFAX III FOUR BRIS.HERCULES VI	1500/18500 1530/15600 1610	270/18500/-	25.0/15000 A. 14000 B. 23000	3900 2700	2540/-/- 1815/-/- 550/-/-	3090 2264 924	NONE 4950 13000	35700 55000 53000 55000	99' 0" 70' 11" 1250 Sq. Ft.	10-303-1000 4800 Rds. Res. L.P. TANKS S.P. GLASS	ARMOR	A.D./R.D.T.
HANDLEY PAGE HAMPCEN TWO BRIS. PEGASUS XVIII	760/14750 885/15000 965	239/13800/-	25.5/15000 19000	3300	1720/-/- 700/-/-	785 376	— 2000 5000	12154 — 22500	59' 2" 55' 4" 747 Sq. Ft.	5-303	L.P. TANKS	S.A.C. 5/12/42
SHORT SHETLAND FOUR BRIS. CENTAURUS 3 S.M.	1580/19000 2000/20000 2400	248/3280/-	8.7/8000 A. 12500 B. 17000	— —	4520/-/- 2920/-/- 1130/-/-	7000 5690 2520	NONE 4000 24000	71000 120000 120000 120000	140' 6" 110' 10" 2635 Sq. Ft.	4-50-1000 4-40-950 4-50-300	—	A.D./R.D.T. M.A.P.
SHORT STIRLING I FOUR BRIS. HERCULES XI	1200/14000 1810/11250 1590	265/10500	34.3/15000 A. 15500 B. 20500	4200 3300	2485/200/- 2050/200/- 915/200/-	4230 2706 1392	2250 5740 14000	43200 70000 70000 70000	99' 0" 87' 0" 1460 Sq. Ft.	8-303-1000	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.
SHORT STIRLING III FOUR BRIS.HERCULES VI	1300/15500 1550/15800 1610	285/12500/-	25.4/15000 A. 16000 B. 22000	4200 3300	2445/200/- 2015/200/- 880/200/-	3330 2705 1314	1500 5000 14000	43545 70000 70000 70000	99' 0" 87' 0" 1460 Sq. Ft.	10-303-1000	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.
SHORT SUNDERLAND III FOUR BRIS.PEGASUS XVIII	760/14750 885/15000 965	196/8000/-	10/8000 A. 11700 B. 15500	9900	2970/-/- 2300/-/- 1895/-/-	3050 2455 2235	NONE 1900 4000	51517 58000 59000 58000	112' 0" 85' 4" 1687 Sq. Ft.	5-303-1000 1-303-700	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.
SHORT SUNDERLAND IV FOUR BRIS HERCULES XVI	— 1475/9500/-	264/9500/-	5.5/5000 A. 14500 B. 19000	5600	3185/-/- 2345/-/- 2545/-/-	4080 3780 3490	NONE 1900 4000	41920 73350 73350 73350	112' 0" 85' 4" 1687 Sq. Ft.	5-303-1000 1-303-700	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.
VICKERS WARWICK I TWO P&R WASH S114-G	— 1500/14000	245/14000/-	18.0/15000 20000	4500 3300	1780/180/- 1450/180/-	1458 1223 568	3875 5275 8000	28755 45000 45000 45000	98' 8" 72' 4" 1020 Sq. Ft.	4-303-2000 4-303-1000 2-303-500	—	A.D./R.D.T. M.A.P.

NOTES:
A. SERVICE CEILING AT MAXIMUM WEIGHT
B. SERVICE CEILING AT MEAN WEIGHT

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BRITISH - FIGHTERS (U.S. BUILT)

PAGE 5

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AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with SPEEDS & POWER		FUEL with NORMAL MAXIMUM	BOMBS NONE NORMAL MAXIMUM	WEIGHTS WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)							
VICKERS WARWICK II TWO BRAS. CENTAURUS 17	- 1775/18400	277/20000/-	20.0/15000 A. 25000 B. 26500	3000 3500	1675/180/- 1380/180/- 1070/180/-	1450 1225 978	5100 5500 8000	29000 47500 47500	95'8" 72'4" 1020 Sq. Ft.	8-.303-1000 2-.303- 500	-	A.D./R.D.T.1 M.A.P.	
VICKERS WELLINGTON IV TWO BRAS. PEGASUS XVIII	750/14750 895/15000 955	235/15500/-	25/10000 15000	-	2550/165/- 1805/165/- 1200/165/-	- - -	1000 2750 4500	18800 - 30000	85'0" 60'10" 830 Sq. Ft.	5-.303-1000	-	Avr Tech. Sec ETOUS4 REPT. NO. 274 10/29/42	
VICKERS WELLINGTON II TWO RR-MERLIN X	1000/14000 1810/17750 1075	244/17000/-	31.5/15000 18000	4050	1580/195/- -	900 737	3500 4500	20050 - 32000	85'0" 60'10" 830 Sq. Ft.	4-.303-1000 2-.303- 500	YES	S.A.C. 5/12/42	
VICKERS WELLINGTON III TWO BRAS. HERCULES XI	1300/14000 1510/11250 1590	265/11500/-	28.0/15000 20000	-	2200/185/- 1500/185/-	- -	1500 4500	21220 - 34500*	85'0" 60'10" 830 Sq. Ft.	8-.303-1000	-	Avr Tech. Sec ETOUS4 REPT. NO. 274 10/29/42	
VICKERS WELLINGTON VI TWO RR-MERLIN IX	1055/30000 1055/30000 1225	312/32000/-	65/35000 A. 36700 B. 38500	3078 2355	- -	- -	- 4500	20290 - 31500	85'2" 62'5" 840 Sq. Ft.	4-.303-1000	-	A.D./R.D.T.1 M.A.P.	
VICKERS WELLINGTON X TWO BRAS. HERCULES VI	1300/13400 1580/12500 1610	265/15500/-	22.0/15000 A. 20500 B. 24000	2850 2550	2110/185/- 1490/185/-	1296 900	1500 4500	21110 - 34500*	86'0" 60'10" 830 Sq. Ft.	5-.303-1000 2-.303- 500	-	A.D./R.D.T.1 M.A.P.	

NOTES:
A. SERVICE CEILING AT MAXIMUM WEIGHT
B. SERVICE CEILING AT MEAN WEIGHT
* MAXIMUM WEIGHT AT TAKE-OFF

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BRITISH - FIGHTERS (U.S. BUILT)

AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 7

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
BELL F-40C "AIRACOBRA-1"	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	5678 7992 7655	34'0" 29'5" 213 SQ. FT.	4-12-1000 2-50-270 2-20MM-50	-	A4EE-774 & AFDU-NO. 34
ONE V-1710-E4 CURTISS HK-81A "TOMAHAWK 1"	- - -	- -	- -	- -	- -	- -	- -	- -	2-50 4-50	-	A4EE-763, A
ONE V-1710-C-15 CURTISS HK-81A "TOMAHAWK 11"	- -	342/16000 85	7.7/15000 31400	1920	- -	158 101	- -	- -	2-50 4-50	-	A4EE-764
ONE V-1710-C-15 CURTISS HK-87A "KITTYHAWK 1"	1000/11000 1150/11800 1150	332/14400 322/15200	14.2/20000 28700	-	* 1050 / - / - 5 550 / - / -	199 148	5972 6800 6480	37'4" 31'9" 235 SQ. FT.	6-50-2400T	-	A4EE-765
ONE V-1710-F3R CURTISS HK- "KITTYHAWK 11"	1010/16000 1120/18500 1500	354/20400	10.9/20000 34300	-	-	209 158	5482 6910	- -	-	-	A4EE-763, A
ONE V-1650-L DOUGLAS DB-7 "HAVOC 1"	1000/12500 1050/13100 1200	-	-	-	-	-	11775	51'4" 47'8" 455 SQ. FT.	-	-	-
TWO R-1830-S1C4G DOUGLAS DB-7 "HAVOC 11"	1275/11500 1600	329/13000	-	2540 **	-	-	14144	-	-	-	A4EE-771
TWO R-2600-A9B GRUMMAN-G-36 "MARTLETT 1"	900/13200 1200	-	-	1500	-	325 458	17041 18751	48'0"	-	-	A4EE-762
ONE R-1820-G2025A GRUMMAN-G-36 "MARTLETT-11"	1000/12500 1050/13100 1200	-	-	1710	890 / - / -	160 130	5495 7750 7550	38'4" 29'11" 261 SQ. FT.	6-50-225	-	A4EE-762, A
ONE R-1830-S1C4G GRUMMAN-G-36 "MARTLETT 111"	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- * TESTED WITH JETTISONABLE FUEL TANK GR. WT. 8840#
- ** AT 17500# AND 00 FLAP
- † ALLOWANCE MADE FOR WARM UP, TAKE OFF, ETC.
- ‡ STALL AIR RANGE.
- § ANOTHER TEST AT 7300# GAVE 311 MPH
- ¶ AT WEIGHT 6366#

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SECTION - FIGHTERS (U.S. BUILT)

PAGE 8

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. / HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM					
GRUMMAN MARTLETT IV	- -	- -	- -	- -	- -	- -	- -	5591 7760	- -	- -	- -	A4EE/762.0
ONE P-1800-205A-1												
NORTH AMERICAN NA-73 MUSTANG I*	1000/11000 1150/11800 1150	370/15000	7.3/15000 30000	1920	950 / - / -	- -	- -	8625	- -	2-.50-470 2-.50-450 2-.50-500	- -	A4EE/781
ONE P-51D-FXR										2-.50-900 2-.50-800 2-.50-500 2-.50-200		

NOTES:

* 150 FLAP FOR TAKEOFF.
* ONE TANK LABELLED 84 U.S. GALS. WOULD HOLD ONLY 72 GALS.

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BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 9

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with @ SPEEDS % POWER		FUEL with		BOMBS at		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT								
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/19200 — 1200	244/15100 — —	— — —	2100 — —	13 HRS. 7.5 HRS. —	896 544 —	— 1080 —	— — —	— — —	55'6" 44'3" 551 Sq. Ft.	2-303-1500 3-303-900 Tot. 2-303-2000	— — —	— — —	A4EE/739, D.		
LOCKHEED 414 "HUDSON IV" Two R-1810-SC16	— — —	260/10000 — —	12.0/10000 — —	2620 — —	— — —	— — —	— — —	— — —	20000 Test	— — —	— — —	— — —	— — —	A4EE/739, D.		
LOCKHEED 414 "HUDSON V" Two R-1810-S1C4-B	1000/12500 1050/13100 1200	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
LOCKHEED VEGA 47 "VENTURA" Two R-2800-S1A4G	1500/7500 1850/2700 1850	— — —	— — —	— — —	— — —	— — 565	— — 2500	— — —	17468 — 26700	— — —	4-303-1000 2-303-750 2-50-250	— — —	— — —	A4EE/790		
MARTIN 160 MARYLAND I Two R-1810-SC16	900/12000 1050/17700 —	294/9000 80 —	12.1/15000 27250 —	1660 — —	1870/179/- — —	750 U.S. — —	— — —	— — —	11000 17890 15070 17890 Test	61'4" 46'8" 542 Sq. Ft.	6-303-500 — —	— — —	— — —	A4EE/745		
MARTIN 167 MARYLAND II Two R-1810-	— — —	NO DATA AVAILABLE	— — —	— — —	— — —	— — —	NO DATA AVAILABLE	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
MARTIN 187 BALTIMORE I Two R-2600-A1B5	1275/11500 — 1600	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	4-30 4-30-500 2-30-400 2-30-400	— — —	— — —	— — —		
MARTIN 187 BALTIMORE II Two R-2600	— — —	NO DATA AVAILABLE	— — —	— — —	— — —	— — —	NO DATA AVAILABLE	— — —	— — —	— — —	— — —	— — —	— — —	— — —		
MARTIN 187 BALTIMORE III Two R-2600-A1B5	1275/11500 — 1600	301/10400 — —	10.5/14000 23500 —	— — —	770/-/- — —	488 — —	2000 — —	— — —	20330	— — —	— — —	— — —	— — —	A4EE/782, A.		
NORTH AMERICAN NA40 MITCHELL I Two R-2600-9	1350/13000 1450/12000 1700	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	A4EE/794		

NOTES:

* - AT 20500#
A - ALLOWING 91 U.S. GAL. FOR TAKEOFF, ETC.
E - RANGE GIVEN IS PRACTICAL RANGE - 75% STILL AIR RANGE

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BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 10

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CHIL--1/2 ENGR. OUT	T. O. & LAND T. O. OVER 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS --CAL--RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
BOEING 299T *FORTRESS II* Four R-1820-65	1000/25000 1200/25000 1200	300/25000/-	15.1/15000	2850 2400	2550/190/- 2230/190/- 1815/190/-	2520 2120 1738	- 3700 7400	22065 - -	2-.50-450 2-.50-650 2-.50-200 2-.50-	-	AAEE/770, A AWD AD/ROTI
CONSOLIDATED 2 B *CATALINA*					NO DATA AVAILABLE						
Two R-1830- CONSOLIDATED-18-30 *LIBERATOR I*	1000/12500 1050/13100 1200	- -	- -	2800 -	- -	- -	- -	110'0" 66'0" 104 Sq. Ft.	-	-	AAEE/769
Four R-1830-S3C4G CONSOLIDATED-18-30 *LIBERATOR II*	1000/12500 1050/13100 1200	250/14000/-	- -	- -	2200/-/- -	- -	8000 -	- -	4-.303-600 + 600 RES. 4-.303-2200 4-.303-1000 2-.303-500	-	R.F.D.U.No 44
Four R-1830-S3C4G CONSOLIDATED-18-30 *LIBERATOR III*	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3885 -	3000/-/- 2180/-/- 1540/-/-	3120 2270 1610	NONE 4000 8000	33500 -	-	-	AAEE/769, A
Two R-1830-43 DOUGLAS DB-7 *BOSTON I*	900/12000 1000/11500 1050	307/10000/-	13/20000	2025 -	2110/-/- ***750/-/- 880/180/-	- -	- -	- -	-	-	
Two R-1830-SC3G DOUGLAS DB-7 *BOSTON II*	- -	- -	- -	- -	- -	- -	- -	- -	-	-	
Two R-1830- DOUGLAS DB-7 *BOSTON III*	1275/11500 -	312/13000/-	-	3540 A. 2835 B.	- 620/170/- 880/170/-	512 382 526	- 2000 2000	15718 23000 21550 22400	61'4" 47'3" 4-20MM-60 2-.303-300	-	AAEE/752, C
Two R-2600-A3B LOCKHEED 214 *HUDSON I*	900/6700 -	239/8000/-	-	2970 -	- -	- -	- -	- -	-	-	AAEE/739
Two R-1820-G102A LOCKHEED-414 *HUDSON II*	1100 -	-	-	-	-	-	-	20500 - TEST	-	-	AAEE/

NOTES:

* AT 95000# GROSS WEIGHT
** ESTIMATED
A AT 23000# GROSS WEIGHT WITH 15° FLAP
B AT 21500# GROSS WEIGHT WITH 15° FLAP
C ARMAMENT USED IN "INTRUDER" VERSION
D AT 17500# GROSS WEIGHT

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BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 11

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AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIBERS OF AMM. PER GUN	COMBAT PROF. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM			
NORTH AMERICAN NA-90 MITCHELL II	1350/13000 1450/12000 1700	294/14800	10.8/15000 26700	- -	- -	- -	- -	- -	2-50 - 2-50 - 1-50 -	AEE-794, 5
TAG R-2500-13							25000 - TEST			
VOUGHT SIKORSKY V-455 CHESAPEAKE I	750/9800 825	222/4700	20.0/10000 16000	2300 -	1170/ - / -	245 (U.S.)	500	9040	4-50 - 1-50-1400	AEE-778
One R-1535-SB4G		**	**	**				3520		
VOUGHT -SIKORSKY KINGFISHER I	- -	154/3900	29.2/10000 11600	2180 -	730/105/ - 440/105/ -	244 80	- 500	4390 5475	1-50-500 1-50-500	AEE-789
One R-985-AN-2										
VULTEE VENGEANCE I	- -	- -	- -	- -	- -	- -	- -	- -	6-50 -	
One R-2600-45B-5										

NOTES:

* AT 8940#
** AT MAX. GROSS WEIGHT

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GERMANY - FIGHTERS

PAGE 12

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. ML./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-DPS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM				WT. EMPTY GROSS WEIGHT GROSS WEIGHT
FOCKE WULF 190A-B (1) BMA-801D FIGHTER	1440/20000 1560/22000 1550/ S.L.	415/22000/- 100	7.5/20000 38000 NONE	2250 2700	820/220/- 780/335/- 440/230/-	216 178 158	NONE NONE NONE	5240 5200 8500 9800	34'5" 29'12" 203 Sq. Ft.	2-7.9MM-1000 2-20MM- 250 2-20MM- 50 ALL	TECH. DATA FILES
JUNKERS JU-88C-6 (2) BMA-801D NIGHT FIGHTER & INTERCEPTOR	1550/20000 1750/ 3290	347/20000/-	10.5/18500 33200	2810	1520/245/- 800/230/-	490 445	NONE 1000	21000 25000 28500	55'11" 47'0" 590 Sq. Ft.	4-7.9MM- 3-20MM - 1-15MM - S.P. 2,500	
MESSERSCHMITT ME-109F (1) DB-601E FIGHTER	1220/15000 1390/14500 1395/ S.L.	397/22000/-	5.7/18000 39000 NONE	1800 2100	1050/205/- 500/205/- 340/200/-	185 185 105	NONE - 550	4740 EST. 5380 5420 7000	32'5" 29'3" 172 Sq. Ft.	2-7.9MM-500 1-20MM- 200 ALL	
MESSER: ME-109G2,4A6 (1) DAIM.BENZ: DB605A FIGHTER	1330/18000 1520/15000 1455/ S.L.	395/22000/-	6.1/18000 37500 NONE	1800 2100	1020/215/- 415/315/- 555/210/-	185 105 105	NONE - 550	4985 7230 5670 7500	32'5" 29'3" 172 Sq. Ft.	2-7.9MM-500 1-20MM- 200 OPTIONAL ALL	
MESSERSCHMITT 110 G (2) DB-605B FIGHTER	1350/18700 1460/ S.L.	358/19000/-	7.3/18000 35800 NONE	- -	1700/205/- 905/205/-	915 337 337	515 - -	14500 20900 16700 -	53'11" 40'4" 415 Sq. Ft.	2-20MM-150 4-7.9MM-1000 2-7.9MM- 400 2-30MM- 155 ALL	
MESSER: ME-210C-1 (2) DAIM.BENZ: DB-605B FIGHTER-BOMBER	1340/18700 1520/15000	370/21000/-	11.8/19000 35000	- -	2350/245/- 1350/240/- 1240/245/-	905 505 505	- 1100 2850	15500 24500 21000 23500	53'9" 40'3" 400 Sq. Ft.	2-7.9MM-500 2- 15MM-450 2- 20MM-300 ALL	
MESSER: ME-410A-1 (2) DAIM.BENZ: DB-603A-2 FIGHTER-BOMBER	1700/19000	395/22000/-	11.5/19000 39000	- -	2150/250/- 1190/255/- 1110/250/-	905 505 505	- 1100 2850	18000 25000 24000 25000	53'8" 40'10" 400 Sq. Ft.	2-20MM - 40'10" 2-7.9MM- 2-15MM - ALL	
MESSERSCHMITT ME-262 (2) JUMO-004 JET JET (INTERCEPTOR-FIGHTER)	1800* THRUST. 8800 RPM-TURBO SPEED.	*527/15000/- 150	*5.0/30280 - NONE	*2500 - -	ENDURANCE 45 TO 51 MIN.	587	- NONE	*10000	41'0" 35'5" 225 SQ.FT.	4-30MM- 04 2-50MM- 5 1-20MM- ALL	
MESSERSCHMITT ME-163B (1) WALTER RR-1 JET JET (INTERCEPTOR-FIGHTER)	-	*500 TO 600	*5.0/15000 - NONE	*3500 - -	JET ENDURANCE-8 MIN. (JET PROPULSION USED ONLY IN- TERMITTENTLY	400	NONE	-	30'3" 10'5" 188 SQ.FT.	2 OR 4-30MM ALL	

NOTES: * ESTIMATED

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GERMANY - BOMBERS

PAGE 13

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. NIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGR. OUT	T. O. & LAND T. O. OVER 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT
DOWNIER DO-217U (2) BMW-801D NIGHT FIGHTER & INTERDICTOR	1550/20000 1755/ 3250	328/20000/-	14.8/18000	-	1975/230/-	1289	NONE	22000	52'5" 58'0"	4-7.9MM-1000 4-20MM-250 1-13MM-500 1-13MM-	ARMOR	
FOCKE-WULF 200K (4) BRAMO-FAFNIR "123R" BOMBER	765/14000 940/12000 985/S.L.	235/13000 95	11.7/14000 21500	-	2430/170/-	2112	3300	47200	108'0" 78'0" 1200 Sq. Ft.	2-20MM-200 4-7.9MM-500 2-13MM-450	ARMOR	
HEINKEL 111K (2) DB-601A BOMBER	850/15250 1055/13100 1085/S.L.	274/12300 85	15/13000 23500	2200 1800	2540/230/-	1321	NONE	14400	73'10" 53'8" 940 Sq. Ft.	1-20MM-200 5-7.9MM-500 1-13MM-325	ALL	
HEINKEL HE-177A-4 (2) DAIM.BENZ 610A-B BOMBER-RECONNAISSANCE	2150/18000 2750/ 6900 2950/S.L.	300/20000/-	29.0/17000 32000	3000	5000/210/-	3350	NONE	37000	103'2" 72'0" 1076 Sq. Ft.	4-13MM- 2-20MM- 1-7.9MM-	ALL	
MENSCHEL HS-122 (2) Gnome-Rhone 14M BOMBER	550/13100 800/8000 800/S.L.	275/9000	7/10000 24500	3000 1800	590/150/-	240	220	9300	44'6" 33'4" 305 Sq. Ft.	2-7.9MM-1000 2-20MM-200 1-50MM-30	ALL	
JUNKERS JU-352 (3) BMW-323R CARGO-TROOP TRANSP.	540/16500 1040/ 3000 1200/S.L.	*185/13000/-	-	-	1850/150/-	1248	4420 CARGO	-	112'0" 79'4" 1600 Sq. Ft.	1-20MM- 2-13MM-	S.P. GLASS	
HEINKEL HE-219 (2) DAIM.BENZ-603 NIGHT FIGHTER	1400/17740 1510/18700 1750/S.L.	545/22000/-	-	-	-	595	-	-	50'8" 51'0" 478 Sq. Ft.	4-20MM-800 2-20MM-500 2-30MM-	ALL	
JUNKERS 870 (1) JUNKERS JU-211V DIVE BOMBER	1175/14300 1300/12500 1360/S.L.	255/13500	19/15000 18500	-	1220/180/-	350	NONE	8900	45'4" 35'5" 335 Sq. Ft.	4-7.9MM-1000	ALL	
JUNKERS 88A-5 (2) JUNKERS JU-211F BOMBER	- 1075/13300	275/14000	31.8/17500 28000	3000 1540	1855/224/-	1190	NONE	25500	55'0" 47'0" 590 Sq. Ft.	1-20MM- 7-7.9MM-	ALL	
JUNKERS JU-198 (2) JUMO-213 BOMBER	- 1700/22000	325/20000/-	13.0/18000 34000	-	1500/232/-	930	4400	-	72'6" 49'0" 500 Sq. Ft.	2-20MM- 2-13MM-	ALL	

NOTES: * ESTIMATED
e WITH AUXILIARY JET INSTALLATION.

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JAPANESE AIR FORCE

PAGE 14

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JANUARY 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS POWER/ALT. POWER/ALT. POWER/T.O.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with @ SPEEDS % POWER		FUEL with		BOMBS at		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM	RT. EMPTY POUNDS NORMAL POUNDS								
BETTY 22 (2) KASEI 21 MEDIUM BOMBER	1655/ 6400 1520/18400 1825/ S L	275/15000/- -	6.7/15000 28300 -	- -	2630/ - / - -	1554 1300 -	- -	2200	27015 26975 27015	82'0" 65'7" 838 SQ. FT.	4-7.7MM- 1-20MM- -	ARMOR (INEFFECTIVE) L.P. TANKS	TECH. DATA FILES			
FRANCES 11 (2) HOMARE 11 BOMBER	1440/18700 1650/ 6560 1820/ S L	355/20500/- -	11.3/20000 3590 -	- -	4340/157/ - -	1566 1072 -	- -	2200	14625 28500 23100 28500	65'7" 45'5" 592 SQ. FT.	2-20MM- -	ARMOR	-			
EMILY 22 (4) KASEI 22 FLYING BOAT	1680/ 5890 1540/18044 1850/ S L	290/14763/- -	9.0/13123 29035 -	- -	5686/ - / - -	- 4501 -	- -	4500	37765 71549 54013 71549	124'8" 92'3" 1722 SQ. FT.	5-20MM- 3-7.7MM- -	ARMOR	-			
TOJO 2 (1) TYPE 2 FIGHTER	1420/ 7000 1300/17200 1500/ S L	376/17200/- -	5.5/20000 35500 NONE	- -	1050/ - / - -	197 128 -	- -	-	4300 5620 6100 5620	31'2" 27'3" 167 SQ. FT.	2-7.7MM- 2-12.7MM- 2-20MM- -	NONE	-			
NICK 1 (2) TYPE 1 FIGHTER	950/16400 1050/ 7200 1060/ S L	397/18500/- -	8.2/20000 35000 NONE	- -	1420/ - / - -	- 375 -	- -	-	8335 12135 -	49'6" 34'5" 338 SQ. FT.	2-12.7MM- 1-37MM- -	ARMOR	-			
TONY 1 (1) TYPE 2 FIGHTER	- 1085/15800 1150/ S L	361/13800/- -	8.2/20000 35400 NONE	- -	1815/ - / - -	304 204 -	- -	-	5000 7400 6700 7400	49'5" 25'5" 292 SQ. FT.	6-12.7MM- 2-7.7MM- -	ARMOR	-			
HELEN 2 (2) TYPE 2 RECONNAISSANCE	1300/16500 1420/15500 1500/ S L	300/19686/- -	14.7/15125 30300 -	- -	2430/ - / - -	- 910 -	- -	2200	14730 24410 23529 24410	55'6" 54'0" -	1-20MM- 2-12.7MM- 4-7.9MM- -	ARMOR	-			
LILY 2 (2) TYPE 2 LIGHT BOMBER	- 1020/15600 1145/ S L	312/17000/- -	10.5/20000 31900 -	- -	1220/ - / - -	- 450 -	- -	1500	7990 15500 -	56'11" 45' 4" 455 SQ. FT.	4-7.7MM- 1-12.7MM- -	ARMOR	-			
DINAH 2 (2) TYPE 1 RECONNAISSANCE	935/19000 1040/ 9200 1065/ S L	372/20500/- -	6.8/13124 37400 -	- -	1795/ - / - -	- 438 -	- -	-	8058 11862 -	48'3" 35'1" 375 SQ. FT.	1-7.7MM- -	ARMOR	-			
ZEKE 52 (1) SAKABE 21 FIGHTER	980/19686 1100/ 9350 1130/ S L	338/19600/- -	7.5/19686 38600 NONE	- -	2100/ - / - -	235 151 151	NONE NONE 2x132	-	4150 5800 6040 5800	35'1" 29'0" 248 SQ. FT.	2-7.7MM- 2-20MM- -	ARMOR	-			

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JAPANESE AIR FORCES

PAGE 15

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JANUARY 1945

MODEL & MFR. CONT. NO. PLANS	ENG. RATINGS POWER/ALT. POWER/ALT. POWER/T.O.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with 2 SPEEDS & POWER		FUEL with BOMBS at		WEIGHTS #T. EMPTY POUNDS NORMAL POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RPS. OF ARM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM						
ZEKE 10 (1) SAKAE 21 FIGHTER	900/19400 1100/ 9550 1150/ S L	328/16600/- 65	3410/ S L 35200	- -	1680/146/- 1180/153/-	200 194	- -	1915 6331 9750 6331	36' 2" 29' 9" 238 Sq. Ft.	2-7.7MM-600 2- 20MM-100	NONE	TECH. DATA FILES	
RUFÉ 11 (1) SAKAE 12 SEAPLANE FIGHTER	- 950/13750 -	380/16000/- -	2500/ S L 30500	- -	1480/149/- 895/146/-	225 159	- -	4145 6456 5920 -	54' 5" 55' 2" 248 Sq. Ft.	2-7.7MM-500 2- 20MM- 60	NONE	-	
IRVING 11 (2) SAKAE 21 FIGHTER	900/19686 1100/ 9550 1150/ S L	311/19680/- -	7.2/13129 40500	- -	2350/ - / - -	770 600 600	0 0 2 x 550	11045 15940 17700 15940	55' 9" 40' 0" 430 Sq. Ft.	5- 20MM-100	ARMOR	-	
JACK 11 (1) KASEI 29 MITSUBISHI	1560/17900 1695/ 6900 1875/ S L	407/17500/- -	5.5/20000 39000	- -	1127/156/- -	1347 656 -	- -	5178 8045 7080 8045	35' 3" 51' 10" 216 Sq. Ft.	2-7.7MM-550 2- 20MM-100	NONE	-	
JUDY 12 (1) ATSUTA 51 RECONNAISSANCE	1540/ 9576 1280/15405 1400/ S L	351/19700/- -	4.2/ 2000 52400	- -	2110/ - / - -	449 275 275	0 0 1100	5617 10022 8249 10022	37' 9" 35' 6" 254 Sq. Ft.	3-7.7MM-	NONE	-	
JAKE 11 (1) KINSEI 43 SEAPLANE	1080/ 6562 1070/13780 1100/ S L	216/ 7500/- -	13.5/20000 24400	- -	1751/ - / - -	- 368 -	0 4 x 152	5808 9603 8030 9603	47' 7" 37' 0" 185 Sq. Ft.	1- 20MM-	NONE	-	
PETE 11 (1) SUISEI 13 FLOAT PLANE	- 863/13100 770/ S L	220/ 9000/- -	- 26000	- -	- -	- -	- -	4192 - 5623 -	37' 0" 26' 0" 365 Sq. Ft.	2-7.7MM-500 1-7.7MM-700	NONE	-	
VAL 22 (1) KINSEI 54 DIVE BOMBER	1065/12000 1175/ 9500 -	258/13000/4 -	15.2/20000 29800	- -	1555/146/- -	286 206 286	0 0 1076	5400 7927 9007 7927	47' 6" 32' 8" 370 Sq. Ft.	2-7.7MM-500 1-7.7MM-400	NONE	-	

NOTES:

AC—AIR CORPS
DA—DEFENSE AID
PO—PURCHASE ORDER

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
B—OFFICIAL PERFORMANCE REPORT NO.
C—PRELIMINARY FLIGHT TEST

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RUSSIAN AIR FORCE

PAGE 15

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

RUSSIAN AIR FORCE

DATE: 1-JANUARY 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL./CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with			WEIGHTS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BDS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					FUEL	with	BOMBS					
CONT. NO. PLANES					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM					
I-16 M-63 ENGINE FIGHTER	1000/13500	270/S.L./ 300/15000	5/15000 22000 NONE	- - -	320/170/- 245/258/- -	57 57 -	- - -	5000 5000 -	29'2" 23'4" 125 Sq.Ft.	4-7.5 MM	-	ATS ETOU5A 9/28/43
I-17 M-100 ENGINE FIGHTER	1190	305/12780/-	5.2/12780 35000 NONE	- - -	541/275/-	- - -	- - 220	- - -	33'2" 24'6" 191 Sq.Ft.	4-MG	-	M. I. D. 10/10/41
MIG-3 M-35 ENGINE FIGHTER	1200/19500	375/22000/ 310/S.L.	8.5/20000 35000 NONE	- - -	470/230/- 390/310/- -	195 105 -	- - 140	5700 5700 -	34'5" 25'0" 140 Sq.Ft.	2-7.5 MM 1-12.7 MM	ARMOR	ATS ETOU5A 9/28/43
IL-2 (STORMOVIK) M-38 ENGINE DIVE BOMBER	1500/15500	290/S.L./- 275/8000/-	5.5/10000 - -	- - -	330/170/- 260/255/- -	120 120 -	1100 1100 -	12500 12500 -	47'11" 38'0" 355 Sq.Ft.	2-20 MM 2-7.5 MM	ARMOR L.P. TANKS B.P. GLASS	-
TB-5 FOUR, 34 ENGINES HEAVY BOMBER	600	250/-/-	24/15000 25000 -	- - -	1250/-/-	- - -	- - 5500	- - -	- - -	5 MG	-	M. I. D. 4/26/41
DB-3 TWO, M103 ENGINES BOMBER	950/11800	240/S.L./- 200/14000/- 59	10/14000 25248 -	- - -	1085/130/- 850/220/- 480/150/-	420 420 242	1320 1320 2540	10958 17000 ? 17000 ?	55'11" 41'0" 515 Sq.Ft.	2-7.5MM-950 1-7.5MM-1050 1-7.5MM-700	ARMOR L.P. TANKS	ATS ETOU5A 9/28/43
DB-3F TWO, M-87 ENGINES BOMBER	1100/19700	270/15000/-	15/15400 26500 -	- - -	2500/150/- 1480/230/- 1000/210/-	1000 908 540	3300 2200 5400	21750 19700 21750	70'2" 47'7" 705 Sq. Ft.	2-7.5MM-1100 2-7.5MM-1100 1-7.5MM-850	-	-
PE-2 TWO, M-105 ENGINES DIVE BOMBER	1050/12000	255/S.L./- 295/14000/-	10/14000 - -	- - -	580/185/- 485/255/- -	258 258 -	2200 2200 -	16500 16500 -	56'1" 41'4" 355 Sq.Ft.	3-7.5MM- 1-12.7MM-	-	-
TB-7 FOUR, M-34A ENGINES HEAVY BOMBER	1200/19500	235/S.L./- 275/22000/-	28.5/22000 32000 -	- - -	2550/185/- 2200/238/- 1850/185/-	2580 2580 1920	4400 4400 8800	55000 55000 55000	132'0" 74'0" 2050 Sq.Ft.	2-7.5MM-400 1-20MM-150 1-20MM-200 2-12.7MM-200	-	-

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