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EE-306-3
FOREIGN

**MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE**

SEP 28 1945

Classification changed to

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by authority of AC of 2, G-2, WDGS

by

E. S. JOHNSTON
Colonel, Infantry



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1 April, 1944

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PREFACE SHEET

EE-306-3

MONTHLY 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 analogous 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, etc. 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 Proof (B.P.) Glass.

THIS REPORT SUPERSEDES PREVIOUS EE-306-3 PUBLICATIONS; SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER DESCRIBED IN PARAGRAPH 23, A.F. 380-5, LATE 28 SEPTEMBER 1942.

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CONFIDENTIAL MONTHLY CHART BRITISH, FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE 1 April, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	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 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS		NOSE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-EDS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)						
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2250	358/18000/-	11/20000 31600	1350	-	1025/238/-	-	9929 12550	50'0" 37'6" 370 Sq. Ft.	4-20mm.-80	-	ONI 1/23/42 STUSA Rept. 274
BLACKBURN Roc I One Bris. Perseus XII	905/6500 745/6500 830	223/7500/- 77	25.6/15000 14200	-	650/130/-	110	None 500	6167 8042	46'2" 35'7" 312 Sq. Ft.	4-303-600	None	MID-ONI 11/7/42
BLACKBURN Skua I One Bris. Perseus XII	905/6500 745/6500 830	225/8700/- 83	22.1/15000 19100	-	900/130/- 600/130/- 600/130/-	196 136 141	None 500 500	5940 8320 8376 8412	46'2" 35'7" 312 Sq. Ft.	5-303-600	Pilot Armor only	MID-ONI 11/7/42
BOULTON PAUL Defiant I One RR-Merlin III	990/12250 1030/16250 880	304/17000/- 87	8.5/15000 30000	1500 2310	580/180/- 465/260/-	125 125	None None	5938 7718	39'4" 35'0" 224 Sq. Ft.	4-303-600	Armor L.F. Tanks	B.A.C. 5/12/42
BOULTON PAUL Defiant II One RR-Merlin IX	1180/18000 1170/21000 1280	335/22000/-	7.0/15000 34200	1350 2370	480/175/- 370/275/-	125 125	None None	6187 7765	39'4" 35'0" 224 Sq. Ft.	4-303	-	B.A.C. 5/12/42
BRISTOL Beaufighter I Two Bris. Hercules XI	1200/14000 1510/11250 1590	324/11750/-	- 30000	1785 2580	1515/226/-	660	None	13931 21120	57'10" 41'6" 451 Sq. Ft.	4-20mm.-283 6-303-1000	Armor L.F. Tanks B.P. Glass	M.A.P. Dayton SAC 11/8/42
BRISTOL Beaufighter II Two RR-Merlin IX	1180/18000 1170/21000 1280	329/20400/-	9.5/15000 30000	2070 2505	1510/228/-	660	None	12895 20374	57'10" 41'6" 451 Sq. Ft.	4-20mm.-283 6-303-1000	Armor L.F. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
BRISTOL Beaufighter III Two Bris. Hercules VI	1300/13500 1530/15500 1610	333/15600/-	7.8/15000 27000	1845 2550	1480/213/-	660	None	21322	57'10" 41'6" 451 Sq. Ft.	4-20mm.-240 6-303-1000	Armor L.F. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
DEHAVILLAND Mosquito Two RR-Merlin XII	1180/18000 1170/21000 1280	380/22000/-	7.9/20000 29500	2175 2535	1205/210/-	483	1000	11,519 19422	54'2" 41'2" 460 Sq. Ft.	4-20mm.-150 4-303-500	-	M.A.P. thru Dayton SAC 11/8/42
FAIRY Firefly One RR-Griffon II	1365/17000 1380/19000 1795	338/21000/-	10.2/20000 30600	1950	700/202/-	-	None	8731 11372	44'6" 37'0" 328 Sq. Ft.	2-20mm.-175 2-20mm.-150	-	ONI 1/23/42 STUSA Rept. 274

* Estimate

Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FIGHTER

PAGE 2

BRITISH, FIGHTER

DATE: 1 April, 1944

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 @ SPEEDS % POWER		WT. EMPT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)						
FAIRY Fulmar II One RR-Merlin 30	1240/7250 1240/8750 1300	254/3600/- 75	20.3/20000 21000	- -	925/150/- -	186 -	None 500	7575 9980	46'0" 40'4" 378 Sq. Ft.	6-303-1000 or 4-50-360	Armor L.P. Tanks B.P. Glass	M.I.D. 11/7/42
HAWKER Hurricane IIB One RR-Merlin XX	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1260 1920	510/170/- 355/221/-	116 116	None None	5290 7200 7200	40'0" 31'5" 258 Sq. Ft.	12-303-300	Armor L.P. Tanks	S.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin XX	1180/18000 1170/21000 1280	327/20500/- -	- 36000	1770 2160	480/214/-	116	None	5655 7560	40'0" 31'5" 258 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Sect. STUSA Rept. No. 274 10/25/42
HAWKER Hurricane IID One RR-Merlin XX	1180/18000 1170/21000 1280	313/22000/- -	- 31600	- -	460/210/-	-	None	- 7656	40'0" 31'5" 258 Sq. Ft.	2-303-600 2-4mm.-16	-	Air Tech. Sect. STUSA Rept. No. 274 10/25/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	450/26000/- -	6.7/20000 38800	1965 2160	827/217/-	230	None	8340 11600	41'0" 35'6" 507 Sq. Ft.	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Tempest II One Bris. Centaurus IV	1780/18250 -	420/19000/- -	7.2/20000 36800	1830 2145	996/217/-	230	None	8105 11550	41'0" 35'6" 507 Sq. Ft.	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Typhoon IB One Napier Sabre II	1675/16250 1800/16250 2010	414/21000/- 88	7.5/20000 31600	2600 2220	610/238/- 410/344/-	124 124	None None	8337 10500 10500	41'0" 32'0" 279 Sq. Ft.	12-303-500 or 4-20mm.-150	Armor L.P. Tanks B.P. Glass	M.I.D. 10/21/41 Cable 6/16/41
MARTIN-BAKER One Napier Sabre II	1675/16250 1800/16250 2010	430/15000/- -	- -	- -	1 3/4 hr. endurance	-	-	-	37'0" -	2-20mm.-200	-	Special Army Observ. 1/24/42
SUPERMARINE Spitfire VA One RR-Merlin XLV	1200/16000 1235/17750 1185	373/19500/- -	5.2/15000 37600	- -	500/211/-	102	None	- 6212	36'10" 30'0" 242 Sq. Ft.	6-303-300	Armor L.P. Tanks B.P. Glass	AAF Dayton Flight Test
SUPERMARINE Spitfire VB One RR-Merlin XLV	1200/16000 1235/17750 1185	371/20000/- -	6.6/20000 37700	1200 1830	480/185/- 335/310/-	102 102	None None	4935 6160 6160	36'10" 30'0" 242 Sq. Ft.	4-303-350 2-20mm.-60	Armor L.P. Tanks B.P. Glass	S.A.C. 5/12/42

* Estimate
** At weight of 10835#
D Estimated take-off weight of 10500#

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CONFIDENTIAL MONTHLY CHART BRITISH FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April, 1942

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 5% OBS. LAND OVER 5% 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	
					with SPEEDS % POWER		NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)						
SUPERMARINE Spitfire VC One RR-Merlin 61V	1200/16000 1235/17750 1185	369/19500/-	7.0/20000 36500	-	1085/206/- 474/-/-	-	None None	5067 5737	36'10" 30'0" 242 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air. Tech. Sec STOUSA Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/24000 1375	405/26500/-	7.8/20000 40250	2085 2220	-	-	None	6031 8000	40'2" 31'4" 249 Sq. Ft.	4-303-350 2-20mm.-135	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire II One RR-Merlin 61	1190/25000 1300/24000 1375	406/26500/-	4.2/15000 40750	1875 2160	-	-	None	- 7460	36'10" 31'0" 242 Sq. Ft.	4-303-350 2-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Warrior II	1675/16250 1800/16250 2010	391/18000/-	- 33500	1980 2160	-	-	None	- 9400	40'6" -	6-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Welkin Two RR-Merlin 61	1190/25000 1300/24000 1375	431/26000/-	6.25/20000 44000	1890 2850	-	-	None	12895 16700	70'3" 42'6" 460 Sq. Ft.	6-20mm.-120	-	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Whirlwind Two RR-Peregrine I	860/13500 890/15000 855	338/15800/-	8.4/20000 30000	1890 2250	590/190/- 370/305/-	163 103	None None	10115 10222	45'0" 32'3" 231 Sq. Ft.	4-20mm.-60 or 12-303-	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/42
BRISTOL BLenheim IVF Two Mercury XV	825/14000	360/12000/-	14/15000 21200	-	-	-	-	9236 11100 12660	56'4" 42'7" 469 Sq. Ft.	4-303-500 1-303-100 1-303-	-	Air. Info. Nav. Dept. Wash. D.C. 2/13
DEHAVILLAND Mosquito X Two Merlin 75	1560/12000 1370/24000	417/25000/-	- 40000	-	-	-	-	11421 19700	54'2" 41'2" 454 Sq. Ft.	4-303-500 4-20mm.-150	-	AS 434 VS

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MONTHLY CHART BRITISH, COMBATMENT
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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./E.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.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. COMB.)	MAXIMUM NORMAL (WITH MAX. COMB.)	None NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
ARMG. -WHITWORTH Whitley V Two RR-Merlin X	80/13000 1010/17750 1075	225/17000/-	27.5/15000 15000	-	1035/170/- 1365/170/- 1470/170/-	-	1250 3500 7000	14745 32000 -	81'0" 60'11" 1922 sq. ft.	1-303-500 1-303-1000	-	Air Tech. Sec. Report No. 271 10/28/42
ARMG. Lancaster I Four RR-Merlin XX	1140/14000 1170/11000 1200	260/20000/-	14.5/15000 a. 25000 b. 25500	1200 2550	3000/145/- 2510/145/- 1130/185/-	3035 3556 1833	None 4250 10750	35300 60000 60000	102'0" 57'11" 1297 sq. ft.	4-303-2500 1-303-1000 2-303-500	Armor L.F. Tanks P.P. Glass	Air Tech. Sec. Report No. 271 10/28/42
ARMG. Lancaster II Four Brit. Hercules VI	1300/13500 1350/15500 1610	291/15500/-	20/15000 a. 21000 b. 25000	3000 1400	3540/135/- 3120/135/- 1075/195/-	3035 3556 1800	None 3900 12750	37570 63000 63000	102'0" 57'11" 1297 sq. ft.	4-303-2500 1-303-1000 2-303-500	Armor L.F. Tanks P.P. Glass	Air Tech. Sec. Report No. 271 10/28/42
BRISTOL Beaufort I Two Bristol Taurus VI	905/3750 1150/3500 1085	270/5500/-	- 17500	-	1785/135/-	-	- 500	11910 19000	55'0" 41'7" 503 sq. ft.	2-303-1000 2-303-500	-	Air Tech. Sec. Report No. 271 10/28/42
BRISTOL Blenheim IV Two Bristol Mercury XV	825/13000 920	264/15000/-	7/10000 27000	-	1110/170/ 73%	720 333	1100 1600	8250 11400 11400	56'4" 42'9" 469 sq. ft.	1-303	Armor L.F. Tanks	Air Tech. Sec. Report No. 271 10/28/42
BRISTOL Blenheim V Bristol Mercury XV	825/13000 920	214/8000/-	- 18500	-	1230/170/-	-	- 1000	- 17040	56'4" 42'9" 469 sq. ft.	1-303-1000 1-303-1000	-	Air Tech. Sec. Report No. 271 10/28/42
BRISTOL Buckingham Two Brit. Centaurus IV	1740/18250	330/19250/-	18.0/15000 a. 32500 b. 27200	4350 2400	352/215/- 1670/215/- 1470/215/-	1890 1960 1200	None 1400 1600	21271 32000 36550	71'0.6" 46'5" 710 sq. ft.	4-303-1000 2-303-700	-	Air Tech. Sec. Report No. 271 10/28/42
DEAVIL'S Mosquito MK V Two RR-Merlin XXI	1180/18000 1170/21000 1200	377/22000/- 102	1/1700 2500 *	2550 2100	1700/- /- 1610/- /-	343 343	2000 2500	15129 20540 21310	51'12" 41'2" 450 sq. ft.	None	Armor L.F. Tanks P.P. Glass	Air Tech. Sec. Report No. 271 10/28/42
FAIRY Albacore One Brit. Taurus XII	865/3750 1130/3500 1005	170/1200/- 60-63	10.3/10000 11400	-	790/114/- 680/105/-	334 334	None 1500	7103 7900 10400	50'0" 40'0" 607 sq. ft.	1-303-1000 2-303-750	Armor L.F. Tanks	Air Tech. Sec. Report No. 271 10/28/42
FAIRY Barracuda One RR-Merlin 30	1210/7250 1260/3750 1300	235/11000/-	6.7/6000 21000	-	650/130/-	-	1610	9112 13177	45'2" 40'6" 414 sq. ft.	2-303 1-303-500 (Reconn. only)	-	Air Tech. Sec. Report No. 271 10/28/42

* Operational ceiling: 500 ft/min rate of climb
 ** Normal recon. load
 a Service ceiling at maximum weight
 b Service ceiling at mean weight
 * Maximum weight at take-off
 d High speed in test on MK IV at Wright Field was 365/20,500 ft.

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CONFIDENTIAL MONTHLY CHART **AIRPLANE CHARACTERISTICS & PERFORMANCE**

BRITISH, BOMBARDMENT

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BRITISH, BOMBARDMENT

DATE: 1 April, 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./R.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER 20' OBS. LAND OVER 50' 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. WTS.)	MEDIUM NORMAL (WITH MAX. WTS.)	MIN. NORMAL MAXIMUM					WT. EMPTY TOTAL WEIGHT WEIGHT
FAIRY Swallowfish One Bris. Pegasus III or 30	750/1750	111/15500/- 71.2	12.6/1000 17000	- -	**672/103.5 164/103.5	201 201	None 1500	5100 7855 9216	15'6" 36'4" 507 Sq. Ft.	2-.303- 500	L.P. Tanks Only	M.A.P. 11/7/42
HAMILLY PAGE Halifax II Four BR-Gerlin XI	1100/13000 1170/21000 1260	258/17000/- -	25.0/15000 a. 21000 b. 25000	3100 2550	2260/195/- 1785/175/- 650/195/-	2815 2264 926	None 1250 15000	36255 55000 59000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1200 Rds. Res.	Armor L.P. Tanks B.P. Glass	A.D./S.A.T. M.A.P.
HAMILLY PAGE Halifax III Four Bris. Hercules VI	1300/13500 1530/15000 1610	270/15500/- -	25.0/15000 a. 17000 b. 19000	3000 2700	2510/-/- 1910/-/- 630/-/-	3090 2264 921	None 1250 15000	37700 53000 63000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1200 Rds. Res.	Armor L.P. Tanks B.P. Glass	A.D./S.A.T. M.A.P.
HAMILLY PAGE Hampden Two Bris. Pegasus XVIII	750/11750 825/15000 965	237/13600/- 75	26.5/15000 19000	3300 -	1720/-/- 700/-/-	735 376	2000 5000	12764 -	6'12" 52'4" 737 Sq. Ft.	6-.303	L.P. Tanks	S.A.T. 5/12/42
SHORT wetland Four Bris. Centaurus 3 & M.	1650/19000 2000/23000 2400	212/3250/- -	8.7/5000 a. 12500 b. 17000	- -	3620/-/- 2920/-/- 1130/-/-	7000 5690 2820	None 1600 21000	71000 120000 120000	130'6" 110'0" 1256 Sq. Ft.	4-.50- 1000 1-.50- 380 1-.50- 300	-	A.D./S.A.T. M.A.P.
SHORT Stirling I Four Bris. Hercules XI	1200/11000 1510/11250 1550	265/10500/- -	34.3/15000 a. 16500 b. 20500	1200 3300	2125/200/- 2050/200/- 915/200/-	3230 2706 1302	2250 5750 11400	43200 70000 70000 70000	99'0" 27'0" 1160 Sq. Ft.	6-.303- 1000	Armor L.P. Tanks B.P. Glass	A.D./S.A.T. M.A.P.
SHORT Stirling III Four Bris. Hercules VI	1300/13500 1530/13500 1610	265/13500/- -	25.1/15000 a. 12000 b. 20000	1200 3300	2115/200/- 2017/200/- 500/200/-	3230 2706 1311	1500 5000 70000	47116 70000 70000	99'0" 27'0" 1160 Sq. Ft.	10-.303- 1000	Armor L.P. Tanks B.P. Glass	A.D./S.A.T. M.A.P.
SHORT Sunderland III Four Bris. Pegasus XVIII	750/11750 825/13000 965	194/3000/- -	1.1/5000 a. 11700 b. 15600	9900 -	2970/-/- 2300/-/- 1355/-/-	3060 2566 2235	None 1200 1500	31517 58000 58000	112'0" 55'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700	Armor L.P. Tanks B.P. Glass	A.D./S.A.T. M.A.P.
SHORT Sunderland IV Four Bris. Hercules XVII	1675/19500/- -	264/19500/- -	6.5/5000 a. 11500 b. 19000	5600 -	3135/-/- 2845/-/- 2546/-/-	1000 3740 3450	None 1900 4000	11910 73350 73350	112'0" 55'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700	Armor L.P. Tanks B.P. Glass	A.D./S.A.T. M.A.P.
VICKERS Warwick I Two P.W. Wasp C1A1-G	1500/11000 -	213/11000/- -	18.0/15000 20000	4500 3300	1730/130/- 1140/120/- 846/130/-	1458 1223 758	3875 5275 8000	28750 16000 16000 4000	98'8" 72'4" 1020 Sq. Ft.	4-.303- 2000 1-.303- 1000 2-.303- 500	-	A.D./S.A.T. M.A.P.

a. Service ceiling at maximum weight
b. Service ceiling at mean weight
** Normal reconnaissance load.

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CONFIDENTIAL MONTHLY CHART BRITISH, BOMBARDIER AIRPLANE CHARACTERISTICS & PERFORMANCE

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DATE: 1 April, 1944

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 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	
					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 Warwick II Two Bris. Centaurus IV	- 1775/18400 -	277/20000/- -	20.0/15000 a. 23000 b. 26500	3000 3300	1675/180/- 1380/180/- 1070/180/-	1158 1223 973	5100 6500 8000	23000 47500 47500	96'8" 72'4" 1020 Sq. Ft.	6-.303-1000 2-.303- 500	-	A. D./R. D.T. I M.A.P.
VICKERS Wellington Ic Two Bris. Pegasus XVIII	750/14750 895/15000 965	235/15500/- -	25/19000 15000	- -	2550/165/- 1805/165/- 1200/165/-	- -	1000 2750 4500	18800 30000 -	86'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec STOUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two RR-Merlin I	960/13000 1010/17750 1075	244/17000/- -	33.5/15000 18000	4050 -	1580/195/- -	900 737	3500 4500	20050 - 32000	86'0" 60'10" 830 Sq. Ft.	4-.303-1000 2-.303- 500	Yes	B.A.C. 5/12/42
VICKERS Wellington III Two Bris. Hercules II	1200/14000 1510/11250 1590	263/11500/- -	22.0/15000 20000	- -	2200/185/- 1500/185/-	- -	1500 4500	21220 - 31500	86'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec STOUSA Rept. No. 274 10/29/42
VICKERS Wellington VI Two RR-Merlin IX	1035/30000 1035/30000 1225	312/32000/- -	65/35000 a. 36700 b. 38500	3078 2355	- -	- -	4500	20290 - 31600	86'2" 62'5" 840 Sq. Ft.	4-.303-1000	-	A. D./R. D.T. I M.A.P.
VICKERS Wellington X Two Bris. Hercules VI	1300/13500 1530/15500 1610	265/15500/- -	22.0/15000 a. 20500 b. 24000	2850 2550	2110/185/- 1480/185/-	1236 900	1500 4500	21110 - 31500	86'0" 60'10" 830 Sq. Ft.	6-.303-1000 2-.303- 500	-	A. D./R. D.T. M.A.P.

a. Service ceiling at maximum weight
b. Service ceiling at mean weight
/ Maximum weight at take-off

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MONTHLY CHART

BRITISH - FIGHTERS (U.S. BUILT)

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AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 April, 1944

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. CELL CEIL - 1/2 ENGS. 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 -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
BELL F-100 "AIRACOBRA -1" One V-1710-E4	1000/11000 1150/11800 1150	558/22400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	-	5878 7382 7335	34'10" 29'9" 213 Sq. Ft.	4-.50-1000 2-.50-270 2-20mm-60	AAEE-774 & AFIU-No. 31
CURTISS HE-51A "TOMAHAWK I" One V-1710-C-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	2-.50 4-.303	AAEE-763, a
CURTISS HE-51A "TOMAHAWK II" One V-1710-C-15	- -	343/16000 83	7.7/15000 31400	1320	- -	158 101	- -	- -	- -	2-.50 4-.30	AAEE/763
CURTISS HE-57A "WITTHAM I" One V-1710-F3R	1000/11000 1150/11800 1150	332/14400 322/16200	14.2/20000 28700	-	a b 1060/-/- b 650/-/-	199 118	- -	5973 8266 8180	37'4" 31'9" 236 Sq. Ft.	6-.50-2160T	AAEE/783
CURTISS HE- "WITTHAM II" One V-1650-1	1010/16000 1120/18500 1300	354/20100	10.9/20000 34300	-	- -	209 158	- -	8480 Test 6182 8910	- -	- -	AAEE/783, a
DOUGLAS DB-7 "HAWK I" Two R-1830-53C14	1000/12500 1050/13100 1200	- -	- -	-	- -	326 -	- -	11775 15332	61'4" 47'3" 165 Sq. Ft.	- -	-
DOUGLAS DB-7 "HAWK II" Two R-2600-15B	1275/11500 1500	329/13000	-	2610 **	- -	326 158	- -	11114 17741 18751	48'10"	-	AAEE/771
GRUMMAN G-36 "MARTLET I" One R-1820-6205A	900/15200 1200	- -	- -	1560	- -	- -	- -	- -	- -	4-.50-	AAEE/762
GRUMMAN G-36 "MARTLET II" One R-1830-53C14	1000/12500 1050/13100 1200	- -	- -	1710	890/-/-	160 130	- -	5189 7790 7550	38'3" 29'1" 261 Sq. Ft.	6-.50-225	AAEE/762, a
GRUMMAN G-36 "MARTLET III"		NO DATA	AVAILABLE				NO DATA	AVAILABLE			

a-Tested with Jettisonable fuel tank Gr. Wt. 8810#
 **At 17500# and 0° flap
 b-allowance made for warm up, take off, etc.
 R-Still air range.
 a-another test at 7300# gave 331 MPH
 #At weight = 6366#

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MONTHLY CHART

BRITISH - FIGHTERS (U.S. BUILT)

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April, 1944

BRITISH - FIGHTERS (U.S. BUILT)

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 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS @ SPEEDS % POWER			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)	NOSE NORMAL MAXIMUM					
GRUMMAN MARTLET IV One B-1520-205A-3	-	-	-	-	-	144 (U.S.)	-	5591 7760	-	2-.50-470 2-.50-450 2-.50-500		AARL/162,0
NORTH AMERICAN NA-73 "MUSTANG I" One W-1710-15R	1000/11000 1150/11800 1150	370/15000	7.3/15000 30000	1920	960/-/-	155 (U.S.)	-	8625	-	2-.30-500 2-.30-800 2-.50-300 2-.50-200		AAPL/781

* 15° flap for takeoff.
 a One tank labelled 84 U.S. gals. would hold only 72 gals.

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BRITISH - BOMBARDMENT (U.S. BUILD)

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BRITISH - BOMBARDMENT (U.S. BUILD)

DATE: 1 April, 1944

MODEL & MFR. ENGINE	ENGL. RATINGS NORMAL/ALT. HI-ALT. H.P. MI. CRPT. ALT. TAKE-OFF R. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FC. SERV. CRCL. CRCL. -1.2 ENGS. OUT	T.O. & LAND T.O. OVER 10' OBS. LAND OVER 10' OBS.	RANGE with SPEEDS & POWER			FUEL with NORMAL MAXIMUM	BOMBS at NORMAL MAXIMUM	WEIGHTS WT. EMPTY HEIGHT HEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	W. E. NORMAL MAXIMUM							
LOCKHEED 414 "HUSCON III" Two B-1820-2205A	900/15200 1200	253/15100	- -	2100 -	13 hrs. 7.5 hrs.	895 644	- 1060	- -	- -	55'6" 44'3" 351 Sq. Ft.	2-.303-1500 2-.303-2000 2-.303-2000	-	AAAE/759, d.	
LOCKHEED 414 "HUSCON IV" Two B-1830-2036	- -	260/10000	12.0/10000	2620	- -	- -	- -	- -	20000 Test	- -	- -	- -	AAAE/759, b.	
LOCKHEED 414 "HUSCON V" Two B-1840-2501-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
LOCKHEED Y8GA 37 "VENTURA" Two B-2800-6114G	1500/7500 1850/2700 1850	- -	- -	- -	- -	- -	565	2500	-	1766 26700	1-.303-1000 2-.303-750 2-.303-250	-	AAAE/790	
MARTIN 167 MARYLAND I Two B-1850-8050	900/12000 1050/7700	294/9000 80	12.1/15000 27250	1560	1870/179/- -	- -	750 U.S.	- -	11000 17800 15870	61 1/2" 46'8" 502 Sq. Ft.	6-.303-500	-	AAAE/765	
MARTIN 167 MARYLAND II Two B-1850-	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	
MARTIN 187 BALTIMORE I Two B-2600-4585	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	- -	- -	4-.30 4-.30-500 2-.30-400 2-.30-400	-	-	
MARTIN 187 BALTIMORE II Two B-2600	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	
MARTIN 187 BALTIMORE III Two B-2600-4585	1275/11500 1600	301/10120	10.5/11000 23500	-	770/-/- -	- -	128	2000	- 20350	- -	- -	- -	AAAE/782, a.	
WORTH AMERICAN NA90 MITCHELL I Two B-2600-9	1350/13000 1450/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	AAAE/794	

* - At 20500#
a - ALLOWING 91 U.S. gal. for takeoff, etc.
- Range given is practical range = 75% still air range

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 April, 1944

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 30 OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS % POWER			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					
BOEING 299Y "MORTRESS II" Four B-1820-65	1000/25000 1200/25000 1200	300/25000/- -	15.1/15000 -	2850 2100	2650/190/- 2230/190/- 1815/190/-	2520 2120 1738	- 3700 7400	22065 -	- -	2-.50-160 2-.50-650 2-.50-200 2-.50-	-	AAEE/770,a and AL/HUIT
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE							
CONSOLIDATED-1b-30 "LIBERATOR I" Four B-1830-S3CLG	1000/12500 1050/13100 1200	- -	- -	2800 -	- -	- -	- -	- -	110'0" 66'0" 104 Sq. Ft.	-	-	AAEE/769
CONSOLIDATED-1b-30 "LIBERATOR II" Four-B-1830-S3CLG	1000/12500 1050/13100 1200	250/14000/- -	- -	- -	2200/-/- -	- -	5000 -	- 56000	- -	4- 303-500 + 500 res. 4- 303-2200 4- 303-1000 2- 303- 500	-	R. F. D. No 14
CONSOLIDATED-1b-30 "LIBERATOR III" Four B-1830-13	1100/25000 1200/25000 1200	305/25000/- -	25.0/10000 -	3825 -	3000/-/- 2150/-/- 1540/-/-	3120 2270 1610	None 4000 8000	33500 -	- -	-	-	AAEE/769,a
DOUGLAS DB-7 "BOSTON I" Two B-1830-803G	900/12000 1000/11500 1050	307/10000/- -	13/20000 **25600 22500	2025 -	2110/-/- **750/-/- 880/180/-	- -	- -	- -	- -	-	-	-
DOUGLAS DB-7 "BOSTON II" Two B-1830	- -	- -	- -	- -	- -	- -	- -	- -	- -	-	-	-
DOUGLAS DB-7 "BOSTON III" Two B-2500-45B	1275/11500 1600	312/13000/- -	- -	3540 a. 2835 b.	620/170/- 850/170/-	512 382 526	- 2000 2000	15718 23000 21550 22400	61'4" 47'3" 465 Sq. Ft.	4-.303-500 4-20mm-60 2-.303-500	-	AAEE/752, c
LOCKHEED 214 "HUDSON I" Two B-1820-0102A	900/6700 1100	235/8000/- -	- -	2970 -	- -	- -	- -	- 20500 - test	- -	-	-	AAEE/739
LOCKHEED-114 "HUDSON II" Two B-1820-0102A	900/6700 1100	- -	- -	- -	- -	- -	- -	- -	- -	-	-	AAEE/

* At 53000# 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
 # At 17500# gross weight

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MONTHLY CHART

BRITISH - BOMBARDMENT (U.S. BUILT)

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT (U.S. BUILT)

DATE 1 April, 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. ML. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. C. & 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 CALIBERS OF AMM. PER GUN	COMBAT PROJ. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
NORTH AMERICAN NA-90 MITCHELL II Two R-2500-13	1350/13000 1150/12000 1700	294/14500	10.8/15000 36700	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.30 -	-	AAAE/791A
BOUGHT SIEMENSKY W-156 CHESAPEAKE I One R-1535-SB40	750/9800 525	222/4700	20.0/10000 16000	2300	1170/-/-	215 (U.S.)	500	9040	1-.30- 1-.30-1100	-	AAAE/773
BOUGHT SIEMENSKY KINGFISHER I One R-935-AN-2	-	** 163/3900	** 29.2/10000 11600	** 2130	- 730/106/- 440/106/-	214 100 80	- 500	3620 1290 5435	1-.30-500 1-.30-600	-	AAAE-789
WILHE VORWANDER I One R-2500-A5B-5	- -	- -	- -	- -	- -	- -	- -	- -	6-.30-	-	

* At 8940#
** At max. gross weight

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

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DATE: (REVISED) 1 April, 1944

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 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 PRCT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
POCKE-WULF 190A-3 (1) BMW - 801D FIGHTER	1450/- 1600/16000 1595/ S.L.	395/17000/- 110	6.25/18000 38000 NONE	2250 2700	820/220/- 380/335/- 140/230/-	216 138 138	NONE NONE NONE	6240 9200 8600 9800	31'6" 29' 2" 203 sq. Ft.	2-7.9mm-1000 2-20mm- 250 2-20mm- 60	ALL TECH. DATA FILES
JUNKERS JU86C5 (2) IV - 801D NIGHT FIGHTER	1130/18000 1530/20000 1695/ S.L.	347/17500 -	10.3/18500 30200 -	2310 2055	1520/213/- 800/230/-	946 -	NONE	21000 27800 25000	66'10" 47'0" 390 sq. Ft.	3-20mm- 120 7-7.9mm-1000	ALL "
MESSERSCHMITT ME-109F (1) DB-601E FIGHTER	1220/15000 1390/14500 1395/ S.L.	390/22000/- -	5.7/18000 39000 NONE	1800 2100	1050/205/- 600/205/- 540/200/-	185 185 105	NONE -	4740 EST. 6980 6420 7000	32'6" 29'3" 172 sq. Ft.	2-7.9mm-500 1-20mm- 200 1-20mm- 200	ALL "
MESSER: ME-109G2,4,86 (1) DAFM.BENZ: DB605A FIGHTER	1330/16000 1580/15000 1455/ S.L.	395/22000/- -	6.3/18000 37500 NONE	1800 2100	1020/210/- 415/315/- 535/210/-	185 105 105	NONE -	4283 7250 6670 7300	32'6" 29'3" 172 sq. Ft.	2-7.9mm-500 1-20mm- 200 (2-20mm OPTIONAL)	ALL "
MESSERSCHMITT 110 G (2) DB-605B FIGHTER	- 1350/18700 -	368/19000/- -	7.3/18000 36800 NONE	-	1700/205/- 905/205/- -	675 280 280	615 -	11500 20900 16700	53'11" 40'4" 125 sq. Ft.	4-7.9mm-1000 2-7.9mm-750 2-20mm-180	ALL "
MESSER: ME-210C-1 (2) DAFM.BENZ: DB-605B FIGHTER-BOMBER	- 1350/18700 -	570/21000/- -	11.8/19000 35000 -	-	2350/215/- 1350/210/- 1240/215/-	906 506 506	- 1100 2850	15700 21500 21500 23500	53'9" 40'3" 100 sq. Ft.	2-7.9mm-500 2- 15mm-450 2- 20mm-300	ALL "
MESSER: ME-110A-1 (2) DAFM.BENZ: DB-605A-2 FIGHTER-BOMBER	- 1700/19000 -	395/22000/- -	11.5/19000 39000 -	-	2130/250/- 1190/255/- 1110/250/-	906 506 506	- 1100 2850	12000 26000 24000 26000	55'8" 40'10" 140 sq. Ft.	2-20mm - 2-7.9mm- 2-15mm -	ALL "

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MONTHLY CHART
 CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

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(REVISED)
 DATE: 1 April, 1944

MODEL & MFR ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. ML. CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. -1% DESC. OUT	T.O. & LAND. T.O. OVER OR OBS. LAND OVER OR OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL. DIA. OF ARM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					NONE NORMAL MAXIMUM
<u>BOEING B-24E</u> (2) BOMBS - 501A BOMBS	1365/11250 1195/11750 1530/ S.L.	310/17000	21/17000 23500	1650	2190/220/ - 1010/255/ - 960/245/ -	1650 780 780	NONE 4400 6600	22500 34000 32000 34000	52'5" 56'6" 590 Sq. Ft.	1-20mm-60 2-7.5-1000 1-7.5mm - 2-13mm-450	TECH DATA FILES
<u>BOEING B-24E</u> (1) STARC-FABRIC "BOMBER" BOMBS	785/11000 940/12000 985/ S.L.	235/15000	11.7/15000 21500	-	2420/170/ - 1250/170/ - 1140/215/ -	2112 1105 1004	3300 3300 11000	47000 50500	102'10" 78'0" 1200 Sq. Ft.	2-20mm-200 4-7.5mm-500 2-13mm-150	"
<u>BOEING B-24E</u> (2) BOMBS BOMBS	850/12250 1025/13100 1085/ S.L.	274/12300	15/15000 23600	2200 1800	2540/230/ - 1600/215/ - 1430/195/ -	1321 912 648	NONE 4400 6200	14400 25500 31000	73'10" 53'8" 940 Sq. Ft.	1-20mm-200 5-7.5mm-500 1-13mm-305	"
<u>BOEING B-24E</u> (2) BOMBS BOMBS	2800/17000	305/20000	29/17000 32000	-	3560/210/ - 580/210/ -	EST. 3060 3060 600	1100 17800 22000	42000 56000 58000	105'6" 87'5" 1095 Sq. Ft.	EST. 5/10-13mm and 20mm.	"
<u>BOEING B-24E</u> (2) BOMBS BOMBS	660/13100 800/8000 800/ S.L.	275/9000	7/10000 21500	3000 1800	690/150/ - 440/150/ -	240 150 160	220 220 770	9500 11100 12000	44'6" 33'4" 305 Sq. Ft.	2-7.5mm-1000 2-20mm-200 1-13mm-50	"
<u>BOEING B-24E</u> (3) BOMBS - 132A TRIP TRANSPORT	660/ S.L.	165/S.L.	- 21000	1920 1800	790/132/ - 530/132/ -	640 435	- 22 7500PS	23100 23100	95'10" 62'0" 1190 Sq. Ft.	5-7.5mm	"
<u>BOEING B-24E</u> (2) BOMBS BOMBS	800/26000 1000/26000 1000/ S.L.	290/30000	- 42000	1980 2280	1700/ - / - 1500/240/ -	640 580	NONE 1760 2200	- 22900	78'10" 53'0" 900 Sq. Ft.	NONE	"
<u>BOEING B-24E</u> (1) BOMBS BOMBS	1175/11300 1300/12500 1360/ S.L.	255/13500	19/13000 18500	-	1220/180/ - 720/180/ - 680/185/ -	360 204 204	NONE 2200 4400	8900 11500 13600 14500	45'4" 36'6" 335 Sq. Ft.	4-7.5mm-1000	"
<u>BOEING B-24E</u> (2) BOMBS BOMBS	1075/13300	275/11000	31.8/17500 26000	3000 1640	1853/224/ - 1195/239/ - 540/225/ -	1190 770 445	NONE 2200 6400	26500 26000 27500	66'0" 47'0" 590 Sq. Ft.	1-20mm- 7-7.5mm-	"
<u>BOEING B-24E</u> (2) BOMBS BOMBS	1530/20000	325/20000	- 34000	-	600/254/ -	990 640 Imp.	- 3800	- -	72'6" 40'0" 600 Sq. Ft.	1-20mm - 5-13mm -	"

* ESTIMATED

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

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DATE: 1 April, 1944

MODEL & MFR ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRUISE ALT. TAKEOFF S.L.	SPEEDS HIGH ALT. HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-12 ENGS 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					WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
TYPE 0 F ZEKU ONE MASAJIMA SASAE 12 WK-1 FIGHTER	950/13750	326/16000/-	2750/ S.L. 36500	-	1180/118/- 895/116/-	225* 139	-	3718 6136 5555	59'5" 29'7" 24' 3/4 Sq. Ft.	2-7.7mm - 500 2-20mm- 60	NONE	For. Equip.
TYPE 0 F NAME ONE MASAJIMA SASAE 21 FIGHTER	940/17800 1060/15000	350/17000/-	3200/ S.L. 40000	-	1580/116/- 1150/117/-	228* 134	-	5915 6551 5750	56'2" 29'9" 236 Sq. Ft.	2-7.7mm - 600 2-20mm-100	NONE	" "
TYPE 3 F BUNY ONE TYPE 0 KARASAWA FIGHTER	1100/-	370/18000	-	-	1094/- / - 700/- / -	- 192	-	6650 5800	56'4" 30'0"	2-12.7mm - 2-7.7 mm -	ARMOR L.P. INEFFECTIVE	" "
TYPE 2 F TONC ONE 1450 MASAJIMA FIGHTER	1150/-	360/12300	-	-	-	197 121	-	5200 6590 6080	31'0" 29'3" 165 Sq. Ft.	2-7.7mm - 2-12.7mm-	NO ARMOR L.P. TANKS (INEFFECTIVE)	" "
TYPE 2 2P NICK TWO SASAE 21 FIGHTER	940/17800 1060/15000	330/18000/-	31000	-	850/- / -	302	-	11300	40'0" 37'0" 335 Sq. Ft.	1-12.7mm-	NONE	" "
TYPE 1 F USCAR TYPE 96 FIGHTER	950/15000	315/15000/-	35000	-	1225/175/-	257* 118	-	3365 4795	37'9" 29'2" 255 Sq. Ft.	2-12mm-250	L.P. TANKS (INEFFECTIVE) 15mm ARMOR	" "
TYPE 97 F KATE ONE HIHARI FIGHTER	800/13000	280/13000/-	3600 FPM 35000	-	800/200/- 460/233/-	161* 80	-	3250 5008 4400	35'7" 31'1"	4-7.7mm - 550	NONE	" "
TYPE 0 FFP SUFU ONE MASAJIMA SASAE 12WK-1 SEAPLANE FIGHTER	950/13750	280/16000/-	2500/ S.L. 36500	-	1180/118/- 895/116/-	225** 139	-	4116 6136 5920	59'5" 33'2" 24' 3/4 Sq. Ft.	2-7.7mm-500	NONE	" "
TYPE 97 2ES SALLY TWO ILGAEI MEDIUM BOMBER	870/10000	230/10000/-	2.1/3300	-	2110/150/- 1200/180/-	810 651	2000 4400	-	72'0" 52'0"	7-7.7mm - (500-700 Rds)	NONE	" "
TYPE 97 2ES SALLY 9K2 TWO TYPE 100 MITSU. MEDIUM BOMBER	1150/-	285/13000/-	30000	-	950/- / -	-	-	21500	74'8" 48'0"	5-7.7mm -	L.P. TANKS (INEFFECTIVE)	" "

* - REVISOR

** - JETTISONABLE FUEL TANK.
- EXTRA FUEL CARRIED IN MAIN FLOAT.
/ - THIS IS C 80F ZEKU EQUIPPED WITH 1 MAIN AND TWO WING TIP FLOATS.

JAPANESE DO NOT USE NAME OF MANUFACTURERS IN DESIGNATING THEIR AIRCRAFT.

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

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DATE: 1 April, 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. WIL. CRT. 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 30' OBS. LAND OVER 30' OBS.	RANGE with SPEEDS & POWER		FUEL with	BOMBS at	WEIGHTS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CAL. - RIMS. OF ARM. PER GUN	COMBAT PROT. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	W. BOMBS NORMAL MAXIMUM	WT. EMPTY WEIGHT DESIGN GROSS WEIGHT				
TYPE 1 ZEB BETTY TWO KASU 15 MEDIUM BOMBER	1320/16800 1520/	288/13500/-	- 20000	- -	3000/180/- 1900/180/-	1353 796	- -	1760	11722 27500 20112	81'10" 66'3"	3-7.7mm-300 1-20mm - 90 (INEFFECTIVE)	Par. Equip.
TYPE 99 ZEB LILY TWO 89 KAWASAKI LIGHT BOMBER	990/-	-	-	-	-	362	- 792	-	- -	56'11" 47'3"	4-7.7mm (INEFFECTIVE)	" "
TYPE 99 DB VAL ONE KIASEI 44 DIVE BOMBER	990/6500 1075/6500 1000/	239/6200/-	- 27000	- -	1320/110/- 875/190/-	513 271	- 811	-	9900 - 6070	46'0" 37'0"	3-7.7mm -	NONE " "
TYPE 97 TB KATE ONE NAKAJIMA KASU 11 TORPEDO BOMBER	1000/-	250/10000/-	- 21000	- -	1100/164/- 980/179/-	- -	800 1760	-	1230 7230 8350	52'0" 34'0"	2-7.7mm-600 1-7.7mm-300	NONE " "
TYPE 0 ZEN DINAH TWO-102 HITSUBISHI REC. AIRCRAFT	1090/-	315/23000/-	- -	- -	- -	- -	- -	-	- -	50'0" 36'0"	NONE	NONE " "
TYPE 2 B JUDY ONE 21 ATSUTA REC. AIRCRAFT	965/- 1200/	-	- -	- -	- -	149* 275	- -	-	5445 - 6046	37'0" 33'6"	3-7.7mm -	" "
TYPE 0 FP FETE ONE SUISEI 13 REC. FLOAT PLANE	- -	207/9000/-	- 26000	- -	- -	- -	- -	-	1192 - 5623	37'0" 26'6"	2-7.7mm-500 1-7.7mm-700	NONE " "
TYPE 97 LBFB MAVIS FOUR-EDGET 13 FLYING BOAT	- 900/13000	160/13000/-	- 26000	- -	2400/110/- 1900/127/- 1750/110/-	2350 1747 1747	- -	3500	25000 50000 41100	131'0" 82'0"	4-7.7mm - 1-20mm -	NONE " "

* - JETTISONABLE FUEL TANK.

JAPANESE DO NOT USE NAME OF MANUFACTURERS
IN DESIGNATING THEIR AIRCRAFT.

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RUSSIAN AIR FORCE

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 March, 1944

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.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					SPEEDS % POWER		NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)						
I-16 M-63 Engine Fighter	- 1000/13500	270/3.1. 300/15000	5/15000 22000 NONE	- - -	320/170/- 215/256/-	67 67	- -	5000 5000	29'2" 20'4" 125 Sq. Ft.	4-7.6 mm	ATS BT084 9/28/43	
I-17 M-100 Engine Fighter	- 1100	306/12780/- -	5.2/12780 36000 NONE	- -	611/273/- -	- -	- 220	- -	33'2" 21'4" 191 Sq. Ft.	4-18	M.I.D. 10/10/40	
MIG-3 M-35 Engine Fighter	1200/19500	375/22000/- 310/S.L.	5.5/20000 35000 NONE	- -	170/230/- 390/310/-	105 105	- 140	6700 6700	31'6" 26'7" 140 Sq. Ft.	2-7.6 mm 1-12.7 mm	ATS BT084 9/28/43	
IL-2 (Sturmovik) M-36 Engine Dive Bomber	1600/6500	250/S.L./- 275/8000/-	6.5/10000 -	- -	330/170/- 260/235/-	120 120	1100 1100	12500 12500	47'11" 38'0" 365 Sq. Ft.	2-30 mm 2-7.6 mm	ARMOR L.F. TANKS S.F. GLASS	
TB-5 Four, M Engines Heavy Bomber	- 600	350/-/- -	24/13000 26000	- -	1250/-/- -	- -	6600	- -	- -	6 MB	M.I.D. 1/25/41	
BB-3 Two, M105 Engines Bomber	950/11000	230/S.L./- 250/14000/- 99	13/11000 20212	- -	1085/150/- 850/220/- 180/150/-	120 120 212	1320 1320 2540	10035 17000 17000	60'11" 41'0" 615 Sq. Ft.	2-7.6mm-950 1-7.6mm-1050 1-7.6mm-700	ARMOR L.F. TANKS	ATS BT084 9/28/43
BE-3P Two, M-27 Engines Bomber	1100/19700	270/16000/- -	16/16100 25700	- -	350/150/- 1450/130/- 1000/110/-	1000 806 510	5500 2800 6100	21750 18700 21750	70'2" 47'7" 705 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm- 650	-	
BE-2 Two, M-105 Engines Dive Bomber	1050/12000	365/S.L./- 395/14000/-	10/11000 -	- -	560/185/- 145/255/-	250 258	2200 2200	16500 16500	56'1" 41'5" 355 Sq. Ft.	2-7.6mm- 1-12.7mm-	-	
BE-7 Four, M-35A Engines Heavy Bomber	1200/19500	235/S.L./- 275/22000/-	26.5/22000 32000	- -	2650/185/- 2800/248/- 1950/185/-	2580 2580 1920	1400 1400 6800	63000 63000 63000	152'0" 74'0" 3050 Sq. Ft.	2-7.6mm- 400 1-20mm- 160 1-20mm- 200 2-12.7mm-200	-	

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