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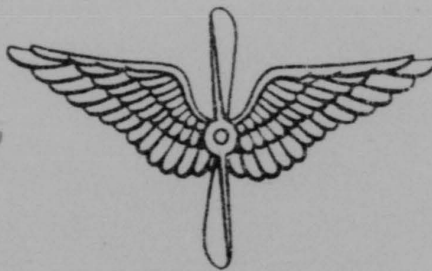
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1 Feb 1944

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FOREIGN

MICRO FILMED X  
MONTHLY CHART  
AIRPLANE CHARACTERISTICS & PERFORMANCE



Classification changed to  
~~RESTRICTED~~ SEP 28 1945

by SAC of S, G-2, WDGS

E. S. JOHNSTON  
Colonel, Infantry

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PUBLISHED BY AUTHORITY OF THE COMMANDING GENERAL,  
ARMY AIR FORCES, BY THE CHIEF, ENGINEERING DIVISION,  
MATERIAL COMMAND, WRIGHT FIELD, DAYTON, OHIO

1 February, 1944

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CONFIDENTIAL MONTHLY CHART BRITISH, FIGHTER  
AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1-February, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	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. O. & LAND T. O. OVER 24' OBS. LAND OVER 50' OBS.	RANGE with SPEEDS & POWER		FUEL with BOMBS	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)						
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2250	358/18000/-	11/20000 31600	1350	-	1025/236/-	200	None	9929 12550	50'10" 37'6" 370 Sq. Ft.	1-20mm.-80	CHI 1/23/42 STUGSA Sept. 27/4
BLACKBURN Roc I One Bris. Perseus III	905/6500 745/6500 830	223/7500/-	25.6/15000 18200	-	650/130/-	110	None 500	6167 8042	46'2" 35'7" 312 Sq. Ft.	4-.303-600	None	MID-CHI 11/7/42
BLACKBURN Roc I One Bris. Perseus III	905/6500 745/6500 830	225/6700/-	22.1/15000 19100	-	900/130/- 600/130/- 600/130/-	196 136 141	None 500 500	5940 8300 8376 8442	46'2" 35'7" 312 Sq. Ft.	5-.303-600	Pilot Armor only	MID-CHI 11/7/42
BOULTON PAUL Defiant One RR-Merlin III	990/12250 1030/12250 860	304/17000/-	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.P. Tanks	B.A.C. 5/12/42
BOULTON PAUL Defiant 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	6167 7765	39'4" 35'0" 224 Sq. Ft.	4-.303	-	B.A.C. 5/12/42
BRISTOL Beaufighter Two Bris. Hercules XI	1200/14000 1510/11250 1590	324/11750/-	- 30000	1785 2580	1515/226/-	660	None	13531 21120	57'10" 41'6" 451 Sq. Ft.	4-20mm.-285 6-.303-1000	Armor L.P. Tanks B.P. Glass	M.A.P. Dayton SAC 11/8/42
BRISTOL Beaufighter 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.-285 6-.303-1000	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
BRISTOL Beaufighter Two Bris. Hercules VI	1300/13500 1530/15500 1610	333/15600/-	7.8/15000 27000	1845 2550	1180/213/-	660	None	21322	57'10" 41'6" 451 Sq. Ft.	4-20mm.-210 6-.303-1000	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
DEHAVILLAND Mosquite Two RR-Merlin III	1180/18000 1170/21000 1280	380/22000/-	7.9/20000 29500	2175 2535	1205/210/-	483	1000	11319 19822	54'2" 41'2" 450 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 1360/19000 1755	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	-	CHI 1/23/42 STUGSA Sept. 27/4

NOTES:  
AC-AIR CORPS  
DA-DEFENSE AID  
PO-PURCHASE ORDER

\* Estimate

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY \*  
B-OFFICIAL PERFORMANCE REPORT NO.  
C-PRELIMINARY FLIGHT TEST

Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FIGHTER

PAGE 2

DATE: 1 February, 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 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-DGS. 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
FAIRY Fulmar II One RR-Merlin 30	1210/7250 1260/8750 1300	264/49600/- 75	20.3/20000 21000	- -	925/150/- -	186 -	None 500	7575 9980	46'0" 40'4" 378 Sq. Ft.	8-.303-1000 or 4-.50-360	Armor L.P. Tanks B.P. Glass	MID-ONI 11/7/42
HAWKER Hurricane IIB One RR-Merlin XX	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1260 1980	- 510/170/- 355/281/-	- 116 116	None None	5290 7200 7200	40'0" 31'5" 258 Sq. Ft.	12-.303-300	Armor L.P. Tanks	B.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin XX	1180/18000 1170/21000 1280	327/20500/- -	- 36000	1770 2160	- 460/211/-	- 116	None	5655 7580	40'0" 31'5" 258 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Seot. ETOUSA 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 2-40mm.-16	-	Air Tech. Seot. ETOUSA Rept. no. 274 10/25/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	460/26000/- -	6.7/20000 38800	1965 2160	- 327/217/-	- 330	None	6380 11600	41.0 33.6 307 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	6105 11550	41.0 33.6 307 Sq. Ft.	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Typhoon IB One Napier Sabre II	1575/16250 1800/16250 2010	414/21000/- 88	7.5/20000 31600	2600 2220	610/238/- 410/314/-	124 124	None None	8337 <sup>D</sup> 10500 10500	41'0" 32'0" 279 Sq. Ft.	12-.303-500 or 4-20mm.-150	Armor L.P. Tanks B.P. Glass	W.I.D. 10/24/41 Cable 6/16/41
MARTIN-BAKER One Napier Sabre II	1575/16250 1800/16250 2010	430/15000/- -	- -	- -	1 3/4 hr. endurance	- -	- -	- -	37'0" -	6-20mm.-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.	8-.303-300	Armor L.P. Tanks B.P. Glass	AAP 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	B.A.C. 5/12/42

NOTES:

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

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

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

Prepared by: Technical Data Laboratory, Engineering Division

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**MONTHLY CHART** BRITISH FIGHTER PAGE 3

**AIRPLANE CHARACTERISTICS & PERFORMANCE**

DATE: 1 February, 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 CALIBERS 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
SUPERMARINE Spitfire 7C One RR-Merlin XLV	1200/16000 1235/17150 1185	369/19500/- -	7.0/20000 36500	- -	1085/206/- 4714/-/-	- -	None None	5067 6737	36'10" 30'0" 242 Sq. Ft.	1-20mm.-120	Armor L.P. Tanks	Air. Tech. Sec FROUSA Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/24000 1375	405/26500/- -	7.3/20000 40250	2085 2220	732/233/- -	114 -	None -	6031 8000	40'2" 31'4" 248 Sq. Ft.	1-303-350 2-20mm-135	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Merlin 61	1190/25000 1300/24000 1375	406/26500/- -	4.2/15000 40750	1875 2160	472/228/- -	102 -	None -	7150	36'10" 31'0" 242 Sq. Ft.	1-303-350 2-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Griffon II	1675/16250 1800/16250 2010	391/18000/- -	- 33500	1930 2160	500/218/- -	156 -	None -	9100	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	431/25000/- -	6.25/20000 44000	1890 2850	1560/215/- -	564 -	None -	12395 16700	70'11" 41'6" 460 Sq. Ft.	6-20mm.-120	-	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Whirlwind Two RR-Pergrine I	860/13500 890/15000 855	338/15800/- -	8.4/20000 30000	1850 2250	590/190/- 370/305/-	163 103	None None	10115 10222	45'0" 32'3" 231 Sq. Ft.	1-20mm.-60 or 12-.303-	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/42
BRISTOL BLAENHEIM IVF Two Mercury XV	825/14000 -	250/12000/- -	11.4/15000 21200	- -	- -	- -	- -	9236 14100 12660	56'4" 42'7" 469 Sq. Ft.	4-.303-500 1-.303-400 1-.303-	-	Air Info. Nav. Dept. Wash. D.C. 8/43
DeHAVILLAND Mosquito X Two Merlin 73	1560/12000 1370/24000 -	447/25000/- -	4000 -	- -	- -	- -	- -	11421 19700	54'2" 41'2" 454 Sq. Ft.	1-.303-500 1-20mm-150	-	AS AB. VE

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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CONFIDENTIAL MONTHLY CHART BRITISH BOMBARDMENT PAGE 4  
**AIRPLANE CHARACTERISTICS & PERFORMANCE**

DATE: 1 February, 1942

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 30 OBS. LAND OVER 30 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIB.-RELS. OF ANN. PER GUN	COMBAT PROF. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	BOMBS NORMAL MAXIMUM				
ARMSTRONG WHITWORTH Whitley V Two RR-Merlin X	460/12000 1010/17750 1075	225/17000/-	27.5/15000 17000	- -	1935/170/- 1365/170/- 1400/170/-	- -	1250 3500 7000	18745 - 32000	51'0" 69'4" 1233 Sq. Ft.	1-303-600 1-303-1000	Air Tech. Sec. PTCUSA Sept. No. 274 10/29/42
AVRO Lancaster I Four RR-Merlin XX	1100/12000 1170/21000 1280	280/20000/-	18.5/15000 a. 25000 b. 29500	4200 2550	3000/185/- 2510/185/- 1130/185/-	3036 2956 1233	None 4250 12750	35300 50000 50000	102'0" 62'11" 1297 Sq. Ft.	4-303-2500 1-303-1000 2-303-500	A.S./R.C.T.I. L.P. Tanks S.P. Glass N.A.P.
AVRO Lancaster II Four Brit. Hercules VI	1300/13500 1330/15500 1615	291/17500/-	20/15000 a. 31000 b. 25000	3600 2400	2950/175/- 2150/175/- 1075/175/-	7036 3504 1200	None 3900 12750	37970 53000 57000 65000	102'0" 62'11" 1297 Sq. Ft.	4-303-2500 1-303-1000 2-303-500	A.S./R.C.T.I. L.P. Tanks S.P. Glass N.A.P.
BRISTOL Beaufort I Two Bristol Taurus VI	985/3750 1130/3500 1085	270/5500/-	- 19500	- -	1785/155/-	- -	500	11910 19080	58'0" 44'7" 503 Sq. Ft.	2-303-400 2-303-500	Air Tech. Sec. PTCUSA Sept. No. 274 10/29/42
BRISTOL Blenheim IV Two Bristol Mercury XV	- 825/13000 920	266/15000/-	7/10000 27000	- -	1110/210/75%	720 333	1100 1600	8250 11100 11100	56'4" 42'9" 469 Sq. Ft.	1-303 L.P. Tanks	Aeroplane 3/29/42 N.A.P. 3/28/42
BRISTOL Blenheim V Bristol Mercury XV	- 825/13000 920	244/6000/-	- 19500	- -	1230/170/-	- -	1000	- 17010	56'4" 42'9" 469 Sq. Ft.	1-303-400 1-303-1000	Air Tech. Sec. PTCUSA Sept. No. 274 10/29/42
BRISTOL Buckingham Two Brit. Centaurus IV	- 1780/18250	330/19250/-	16.0/15000 a. 22500 b. 27200	4350 2400	3500/215/- 1670/261/- 1670/261/-	1890 1260 1260	None 4500 4000	21270 36800 36550 36550	71'9.6" 46'5" 710 Sq. Ft.	8-303-1000 2-303-700	A.S./R.C.T.I. N.A.P.
DeMAYLAND Mosquito MK V Two RR-Merlin XII	1180/18000 1170/21000 1280	379/22200/- 102	1/1700 28800	2650 2400	1720/-/- 1610/-/-	- 413 413	2000 2500	15129 20540 21310	51'2" 41'2" 450 Sq. Ft.	None L.P. Tanks S.P. Glass	I.T.M. #11 Can. Canada
FAIRY Albacore One Brit. Taurus XII	985/3750 1130/3500 1085	170/4200/- 68-83	10.3/10000 14400	- -	790/114/- 680/105/-	234 234	None 1500	7103 9900 12400	50'0" 40'0" 607 Sq. Ft.	1-303-400 2-303-750	Armor L.P. Tanks 11/7/42
FAIRY Barracuda One RR-Merlin 30	1216/7250 1260/8750 1300	235/11000/-	6.7/6000 21000	- -	655/138/-	- -	1610	9112 13177	48'2" 40'6" 414 Sq. Ft.	2-303 1-303-600 (Reconn. Only)	Air Tech. Sec. PTCUSA Sept. 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  
 c Maximum weight at take-off  
 d High speed in test on MK IV at Wright Field was 365/20,500 ft.  
 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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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

PAGE 5

DATE: 1 February, 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-RES. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	WING NORMAL MAXIMUM					
FAIRY Swordfish One Bris. Pegasus III or 30	750/4750 -	114/5500/- 74.8	12.6/1000 -	- -	**672/103.5 166/103.5	201 201	None 1500	5104 7853 9215	15'6" 36'4" 607 sq. ft.	2-.303- 600	L.P. Tanks Only	MID-XI 11/7/42
HANLEY PAGE Halifax II Four BR-Merlin XX	1180/18000 1170/21000 1280	256/19000/- -	25.0/15000 a. 21000 b. 25000	3900 2550	2260/195/- 1785/195/- 650/195/-	2015 2224 936	None 1250 13000	36055 39000 39000	99'0" 70'1" 1250 sq. ft.	10-.303-1000 1200 Res. Res.	Armor L.P. Tanks S.P. Glass	A. D./R. D. T.
HANLEY PAGE Halifax III Four Bris. Hercules VI	1300/13500 1530/15500 1610	270/15500/- -	25.0/15000 a. 19000 b. 23000	3900 2700	2510/-/- 1810/-/- 630/-/-	2090 2264 944	None 1250 13000	39700 39000 43000	99'0" 70'1" 1250 sq. ft.	10-.303-1000 1200 Res. Res.	Armor L.P. Tanks S.P. Glass	A. D./R. D. T. M.A.P.
HANLEY PAGE Hampden Two Bris. Pegasus XVIII	750/14750 885/15000 965	239/13800/- 73	26.5/15000 19000	3300	1720/-/- 700/-/-	785 376	2000 5000	12761 -	69'0" 53'1" 737 sq. ft.	6-.303	L.P. Tanks	B. A. C. 5/12/42
SHORT Shetland Four Bris. Centaurus 3 S.M.	1650/19000 2000/20000 2100	248/3250/- -	8.7/5000 a. 12500 b. 17000	- -	3620/-/- 2920/-/- 1130/-/-	7000 5600 2520	None 1600 21000	71203 120000 120000	150'6" 110'9" 2636 sq. ft.	4-.50- 1000 1-.50- 950 1-.50- 300	-	A. D./R. D. T. M.A.P.
SHORT Stirling I Four Bris. Hercules XI	1200/14000 1510/11250 1590	265/10500/- -	34.3/15000 a. 16500 b. 20500	4200 3300	2145/200/- 2050/200/- 915/200/-	3230 2706 1592	2250 5750 70000	13260 70000 70000 70000	99'0" 87'0" 1140 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	1300/13500 1530/15500 1610	285/15500/- -	25.4/15000 a. 13000 b. 22000	4200 3300	2145/200/- 2015/200/- 580/200/-	3230 2706 1514	1500 5000 11000	12515 70000 70000 70000	99'0" 87'0" 1140 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	750/14750 885/15000 965	196/3000/- -	1. /5000 a. 11700 b. 15600	9900	2970/-/- 2300/-/- 1895/-/-	3060 2966 2835	None 1900 4000	51517 28000 50000 54000	112'9" 85'4" 1687 sq. ft.	6-.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 XVII	- 1675/9500/- -	264/9500/- -	6.5/5000 a. 11500 b. 19000	6600	3135/-/- 2415/-/- 2545/-/-	4000 3700 3450	None 1900 1000	11910 73350 73350 73350	112'9" 85'4" 1687 sq. ft.	6-.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.W. Wasp SIA-0	- 1500/14000	213/14000/- -	18.0/15000 20000	4500 3300	1780/180/- 1460/180/- 815/180/-	1158 1223 753	3875 5275 8000	28750 16000 16000 16000	98'8" 72'4" 1020 sq. ft.	4-.303- 2000 1-.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  
\*\* Normal reconnaissance load.  
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

Prepared by: Technical Data Laboratory, Engineering Division

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**MONTHLY CHART** BRITISH, BOMBARDMENT

**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 6

DATE: 1 February, 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 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					WT. EMPTY WEIGHT WEIGHT
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 978	5100 5500 8000	29000 47500 47500	96'8" 72'4" 1020 Sq. Ft.	6-.303-1000 2-.303- 500	- -	A. D./R. D. T. 1 M.A.P.
VICKERS Wellington Ic Two Bris. Pegasus IXVIII	750/14750 895/15000 965	235/15500/- -	25/10000 15000 -	- -	2550/165/- 1805/165/- 1200/165/-	- - -	1000 2750 4500	15800 - 30000	86'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec STOUSA Rept. No. 274 10/29/42
VICKERS Wellington 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 Two Bris. Hercules II	1200/14000 1510/11250 1590	253/11500/- -	28.0/15000 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 Two RR-Merlin IX	1035/30000 1035/30000 1225	312/32000/- -	65/35000 a. 36700 b. 36500	3078 2355	- -	- -	- 4500	20290 - 31500	86'2" 62'5" 840 Sq. Ft.	4-.303-1000	-	A. D./R. D. T. 1 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 - 34500	86'0" 60'10" 830 Sq. Ft.	6-.303-1000 2-.303- 500	-	A. D./R. D. T. 1 M.A.P.

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

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

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

Prepared by: Technical Data Laboratory, Engineering Division

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**MONTHLY CHART** BRITISH - FIGHTERS (U.S. BUILT) PAGE 7  
**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**  
 BRITISH - FIGHTERS (U.S. BUILT) DATE: 1 February, 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./L.P. LANDING	CLIMB TIME TO/FT. REEV. CRIL. 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
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
BELL P-400 "AIRACORRA -1" One W-1710-EL	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	-	5875 7982 7835	31.10" 30.19" 213 Sq. Ft.	4-.50-1000 2-.50-270 2-20mm-60	AAEE-774 AFU-80,34
CURTISS HE-81A "TOMAHAWK I" One W-1710-0-15	-	-	-	-	-	-	-	-	-	2-.50 4-.303	AAEE-763,a
CURTISS HE-81A "TOMAHAWK II" One W-1710-0-15	-	343/16000 83	7.7/15000 31100	1320	-	158 101	-	-	-	2-.50 4-.30	AAEE-763
CURTISS HE-87A "KITTYHAWK I" One W-1710-15E	1000/11000 1150/11800 1150	332/11400 322/16200	10.2/20000 28700	-	a b	199 148	-	5973 8866 8180	37.14" 31.19" 236 Sq. Ft.	6-.50-2140T	AAEE-783
CURTISS HE- "KITTYHAWK II" One W-1650-1	1010/16000 1120/18500 1300	354/20400	10.9/20000 34200	-	-	209 158	-	7068 - Test 6482 8910	-	-	AAEE-763,a
DOUGLAS DB-7 "HAWK I" Two R-1830-5304G	1000/12500 1050/13100 1200	-	-	-	-	326	-	11775 15332	61.14" 47.13" 465 Sq. Ft.	-	-
DOUGLAS DB-7 "HAWK II" Two R-2600-45B	1275/11500 1600	329/13000	-	2610 **	-	326 458	-	14144 17741 18751	48.10"	-	AAEE-771
GRUMMAN G-36 "MARTLETT I" One R-1820-620A	900/15200 1200	-	-	1510	-	-	-	-	-	4-.50-	AAEE-762
GRUMMAN G-36 "MARTLETT-II" One R-1830-5304G	1000/12500 1050/13100 1200	-	-	1710	890/-/-	160 130	-	5189 7790 7550	38.13" 29.11" 261 Sq. Ft.	6-.50-225	AAEE-762,a
GRUMMAN G-36 "MARTLETT III"	-	NO DATA AVAILABLE	AVAILABLE	-	-	-	-	-	-	-	NO DATA AVAILABLE

NOTES:  
 \*\*--Tested with Jettisonable fuel tank Gr.Wt. 8840#  
 \*\*\*--At 17500# and 0° flap  
 a--Allowance made for warm up, take off, etc.  
 b--Still air range.  
 c--Another test at 7300# gave 331 MPH  
 d--At weight = 6766#  
 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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MONTHLY CHART

BRITISH - FIGHTERS (U.S. BUILT)

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 February, 1944

BRITISH - FIGHTERS (U.S. BUILT)

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S.L.	SPEEDS HIGH/ALT./B.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
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
GRIMM MARTLETT IV One B-1420-205A-5	- - -	- - -	- - -	- - -	- -	114 (U.S.)	- -	5591 7760	- -	2-.50-470 2-.50-450 2-.50-500	AAEZ/762,5
NORTH AMERICAN NA-73 "MUSTANG 1" One V-1710-F5R	1000/11000 1150/11800 1150	370/15000	7.3/15000 30000	1920	960/-/-	155 (U.S.)	- -	6625	- -	2-.30-200 2-.30-800 2-.50-300 2-.50-200	AAEZ/781

NOTES:  
 AC--AIR CORPS  
 DA--DEFENSE AID  
 PO--PURCHASE ORDER

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

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 C--PRELIMINARY FLIGHT TEST

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MONTHLY CHART

BRITISH - EQUIPMENT (U.S. BUILT)

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - EQUIPMENT (U.S. BUILT)

DATE: 1 February, 1954

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./L.S. 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. GUN IN ARM PER GUN	COMBAT WT. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					
LOCKHEED 444 "HUDSON III" Two B-1820-3205A	900/15200 1200	253/15100	- -	2100	13 hrs. 7.5 h.s.	896 644	1080	- -	65'6" 144'3" 551 sq. ft.	2-303-1500 3-303-600Tot. 2-303-2900	AACE/759, d.
LOCKHEED 444 "HUDSON IV" Two B-1830-0036	- -	250/10000	12.0/10000	2500	- -	- -	- -	20000 Test	- -	- -	AACE/759, b.
LOCKHEED 444 "HUDSON V" Two B-1830-0301-B	1000/12500 1050/13100 1300	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LOCKHEED VEGA 37 "VENTURA" Two B-2800-5141G	1500/7500 1850/2700 1850	- -	- -	- -	- -	566	2500	17655 26700	- -	4-303-1000 4-303-130 2-50-250	AACE/790
MARTIN 167 MARYLAND I Two B-1830-0036	900/12000 1050/7700	281/9000 80	12.1/15000 27250	1560	1870/179/- -	750 U.S. -	- -	11000 17850 15870 17630 Test	61'4" 145'8" 542 sq. ft.	6-303-500	AACE/765
MARTIN 167 MARYLAND II Two B-1830-	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-2600-4595	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	- -	4-30-500 4-30-400 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
MARTIN 187 BALTIMORE III Two B-2600-4595	1275/11500 1600	301/10400	10.5/14000 23500	-	170/-/- -	128	2000	20350	- -	- -	AACE/782, a.
NORTH AMERICAN NA90 MITCHELL I Two B-2600-9	1350/13000 1450/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	AACE/794

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

\* - At 2050 ft.  
a - ALLOWING 71 U.S. gal. for takeoff, etc.  
# - Range given is practical range = 75% till a.r. range

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY  
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C—PRELIMINARY FLIGHT TEST

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MONTHLY CHART  
**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 10

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 February, 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 54' OBS. LAND OVER 54' 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				
BOEING 297T "FORTRESS 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 - -	2-50-150 2-50-650 2-50-200 2-50-	-	AAEE/770, <sup>a</sup> and AL/3121
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE						
CONSOLIDATED-1b-30 "LIBERATOR I" Four B-1830-S3C4G	1000/12500 1050/13100 1200	-	-	2800	-	-	-	-	110'0" 66'0" 104 Sq. Ft.	-	AAEE/769
CONSOLIDATED-1b-30 "LIBERATOR II" Four B-1830-S3C4G	1000/12500 1050/13100 1200	250/14000/-	-	-	2200/-/-	-	8000	-	4-303-600 + 600 res. 1-303-2200 1-303-1000 2-303-500	-	R. F. D. T. No 14
CONSOLIDATED-1b-30 "LIBERATOR III" Four B-1830-L3	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3825	3000/-/- 2180/-/- 1540/-/-	3120 2270 1510	None 4000 8000	33500 - -	-	-	AAEE/769, <sup>a</sup>
DOUGLAS DB-7 "BOSTON I" Two B-1830-S3C6	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/-/- **750/-/- 880/180/-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON II" Two B-1830	-	-	-	-	-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON III" Two B-2600-A5F	1275/11500 1500	312/13000/-	-	3510 a. 2835 b.	620/170/- 820/170/-	512 382 526	- 2000 2000	15718 23000 21550 22100	61'4" 47'3" 465 Sq. Ft.	1-303-500 1-2000-60 2-303-500	AAEE/752, <sup>c</sup>
LOCKHEED 244 "HUDSON I" Two B-1820-G102A	900/6700 1100	239/8000/-	-	2970	-	-	-	-	-	-	AAEE/739
LOCKHEED-414 "HUDSON II" Two B-1820-G102A	900/6700 1100	-	-	-	-	-	-	20500 - test	-	-	AAEE/

NOTES:

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

\* 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

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

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MONTHLY CHART

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 11

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 February, 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. CHL-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)	NOSE NORMAL MAXIMUM					
NORTH AMERICAN NA-90 MITCHELL II Two R-2600-13	1350/13000 1150/12000 1700	294/11200	10.8/15000 26700	- -	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.30 -	- -	AAEE/79L, A
WRIGHT SIMONS V-156 CHESAPEAKE I One R-1535-S2140	750/9800 -	222/4700	20.0/10000 16000	2300 -	1170/-/-	215 (U.S.)	500	9040	- -	1-.30- 1-.30-1100	-	AAER/773
WRIGHT SIMONS KINGFISHER I One R-265-A1-2	- -	** 163/3900	** 25.2/10000 11600	** 2130 -	- 730/106/- 110/106/-	211 100 80	- 500	3620 4990 5185	- -	1-.30-500 1-.30-500	-	AAEE-789
VULTUR VENGEANCE I One R-2600-A5B-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	6-.30-	-	

NOTES:

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

\* At 8910#  
\*\* At max. gross weight

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

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

PAGE 12

DATE: 1 February, 1944 (REVISED)

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. EMPTY GROSS WEIGHT GROSS WEIGHT GROSS 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)	NONE NORMAL MAXIMUM					
POCKE-WULF 190A-3 (1) BMW - 801D FIGHTER	1150/- 1600/11000 1695/ S.L.	395/17000 110	6.25/18000 38000 NONE	2250 2700	820/220/- 380/235/- 140/230/-	216 138 138	NONE NONE NONE	6210 9200 8600 9800	34'6" 29'2" 205 Sq. Ft.	2-7.9mm-1000 2-20mm - 250 2-20mm - 60	ALL	TECH. DATA FILE 2
POCKE-WULF 190A-4 (1) BMW - 801D-2 FIGHTER BOMBER	- 1755/3250 1695/ S.L.	320/19000 -	10.25/18000 31500 NONE	- -	870/270/- -	296 138 138	NONE 550 1100	- 10350 -	34'6" 29'2" 205 Sq. Ft.	2-7.9mm - 2- 20mm -	ALL	"
JUNKERS JU88C5 (2) BMW - 801D NIGHT FIGHTER	1150/18000 1530/20000 1695/ S.L.	317/17500 -	10.3/18500 30200 -	2310 2055	1620/213/- 800/230/-	948 -	NONE	21000 27500 25000 -	66'10" 47'10" 590 Sq. Ft.	3-20mm- 120 7-7.9mm-1000	ALL	"
MESSERSCHMITT ME-109P -4 (1) DAIM. BENZ. DB-601E FIGHTER	1220/15000 1350/14500 1395/ S.L.	390/22000 -	5.7/18000 39000 NONE	1800 2100	1050/205/- 600/205/- 540/200/-	185 185 105	NONE - 550	4710 est. 6950 6120 7000	32'6" 29'3" 172 Sq. Ft.	2-7.9mm-500 1- 20mm-200	ALL	"
MESSER: ME-109G2, 4, 6 (1) DAIM. BENZ. DB-605A FIGHTER	1330/16000 1520/15000 1465/ S.L.	395/22000 -	6.3/18000 37500 NONE	1800 2100	1020/210/- 115/316/- 535/210/-	185 105 105	NONE - 590	4983 7230 6670 7300	32'6" 29'3" 172 Sq. Ft.	2-7.9mm-500 1- 20mm-200 (2-20mm. OPTIONAL)	ALL	"
MESSERSCHMITT 110F (2) DB-601P FIGHTER	1220/15000 1390/14500 1395/ S.L.	355/20000 95	8.5/16500 33500 -	1000 1800	2120/200/- 920/200/-	888 336 -	NONE NONE 615	9900 20500 15500 20500	53'19" 40'3" 415 Sq. Ft.	1-7.9mm-1000 2-7.9mm-750 2-20mm -180	ALL	"
MESSER: ME-210A, B, C, D (2) DAIM. BENZ. DB-601F 2 ENGINE FIGHTER	1220/15000 1390/14500 1395/ S.L.	368/20000 95	10.4/16500 28500 -	- -	1700/227/- 1280/320/-	804 660 660	NONE NONE 1100	15500 23900 20250 21350	53'19" 40'3" 390 Sq. Ft.	2-7.9mm-500 2- 13mm-450 2- 20mm-300	ALL	"
MESSER: ME-110A-1 (2) DAIM. BENZ. DB-603A FIGHTER-BOMBER	- 1900/7200	390/23000 310/ S.L.	11/20000 32500 -	- -	1105/850/-	906 506 -	- 1100 2850	- 19000 41000	51'10" 41'10" 400 Sq. Ft.	2-20mm - 2-7.9mm- 2-13mm	ALL	"

NOTES: r-REVISED  
AC-AIR CORPS  
DA-DEFENSE AID  
PO-PURCHASE ORDER

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY  
B-OFFICIAL PERFORMANCE REPORT NO.  
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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 13

(REVISED) DATE 1 February, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/PT. 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			WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
<u>DOERNER DO-217E</u> (2) BMW - 801A BOMBER	1365/14250 1495/17750 1530/ S.L.	310/17000	21/17000 22500	1650	2150/220/- 1010/255/- 960/245/-	1650 780 780	NONE 1400 6600	22500 34000 32000 34000	62'5" 36'6" 590 Sq. Ft.	1-20mm-60 2-7.9-1000 4-7.9mm - 2-13mm-150	TECH DATA FILES
<u>DOERNER DO-217E</u> (4) BRAMO-PAPRER "323E" BOMBER	785/14000 940/12000 985/ S.L.	235/13000	11.7/15000 21500	-	2430/170/- 1250/170/- 1140/215/-	2112 1105 1004	3300 3300 11000	47200 - 50500	108'10" 78'10" 1200 Sq. Ft.	2-20mm-200 4-7.9mm-500 2-13mm-150	ARMOR
<u>HEINZEL 111E</u> (2) DB-601A BOMBER	850/15850 1035/13100 1085/ S.L.	274/12300	16/15000 23600	2200 1800	2540/230/- 1600/215/- 1290/195/-	1321 912 648	NONE 4400 6200	14400 26600 31000	73'10" 53' 8" 940 Sq. Ft.	1-20mm-200 5-7.9mm-500 1-13mm-125	ALL
<u>HEINZEL 177</u> (2) DAIM. BENZ. DB-606 BOMBER	2350/19000 2700/14000 2550/ S.L.	345/17000	34/17000 21000	-	3150/220/- 1315/255/-	3700 1740	2200 - 15800	36000 - 67000	103'9" 67'5" 1100 Sq. Ft.	(EST.) 6/10-20mm- 150	ARMOR
<u>HEINZEL HS-129</u> (2) Gnome-Rhone 11M BOMBER	650/13100 800/8000 800/ S.L.	275/9000	7/10000 24500	3000 1800	690/150/- 440/150/-	240 160 160	220 220 770	9300 - 11400 12000	44'6" 33'4" 305 Sq. Ft.	2-7.9mm-1000 2-20mm-200 1-30mm-30	ALL
<u>JUNKERS JU-52/3M</u> (3) BMW - 132A TROOP TRANSPORT	660/ S.L.	165/S.L.	- 21000	1920 1800	790/132/- 530/132/-	640 435	- 22 THROOPS	23100 - 23100	95'10" 62'10" 1190 Sq. Ft.	5-7.9mm-	NONE
<u>JUNKERS JU-52/3M</u> (2) JUNKERS JU-207A PRESS. CABIN BOMBER	800/26000 1000/26000 1000/ S.L.	290/30000	- 42000	1980 2280	1700/-/- 1500/240/-	640 580	NONE 1760 2200	- - 22900	78'0" 53'0" 900 Sq. Ft.	NONE	NONE
<u>JUNKERS 57D</u> (1) JUNKERS JU-211J MVE BOMBER	1175/11300 1300/12500 1360/ S.L.	255/13500	19/15000 18500 NONE	-	1220/180/- 720/180/- 620/185/-	360 204 204	NONE 2200 4400	8900 11500 12600 14300	45'4" 36'6" 335 Sq. Ft.	4-7.9mm-1000	ALL
<u>JUNKERS 52A-5</u> (2) JUNKERS JU-211F BOMBER	1075/13300	273/14000	31.8/17500 28000	3000 1640	1853/224/- 1195/230/- 540/225/-	1190 770 445	NONE 2200 6400	26500 26000 27600	66'0" 47'0" 590 Sq. Ft.	1-20mm- 7-7.9mm-	ALL
<u>JUNKERS-188</u> (2) BMW 801 G-2 BOMBER	1530/20000	325/20000	- 34000	-	800/254/-	990 640 imp.	- 3800	- -	72'6" 49'0" 600 Sq. Ft.	1-20mm - 3-13mm -	ALL

NOTES: \* ESTIMATED  
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**MONTHLY CHART** JAPANESE AIR FORCE PAGE 11

**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE** DATE: 1 February, 1944

MODEL & TYPE	ENG. RATINGS	SPEEDS	CLIMB	T.O. & LAND	RANGE WITH FUEL			WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
					MAXIMUM NORMAL	MAXIMUM NORMAL	MAXIMUM NORMAL					
TYPE NO. PLANS	NORMAL ALT. MIL. HGT. ALT. TAKE OFF & L.	HIGH ALT. HP. LANDING	TIME TO FT. 10000' FEET -10 20000' FEET	T.O. HGT. 5000' LANDING HGT. 5000'	WITH MAL. BOMBS	WITH MAL. BOMBS	WITH MAL. BOMBS	WT. EMPTY NET WT. USEFUL LOAD	SPAN LENGTH WING AREA	NO. OF GUNS -CAL.-DIA. OF AMM. PER GUN	TYPE	
TYPE 97 ST. BOMB	800/15000	250/13000/-	3000 FT. 30000'	-	300/200/-	161*	-	3250 5000	39'7" 21'0"	4-7.7mm - 550	NONE	For. Equip
TYPE 97 ST. BOMB	800/15000	250/13000/-	2700/ 2.1. 30000'	-	1400/120/-	225*	-	6150 5555	39'5" 20'7" 21.6 sq. ft.	2-7.7mm - 500 2-20mm - 60	NONE	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	1800/ 2.1. 4000'	-	160/110/-	220*	-	6111 5190	36'6" 20'6" 23.5 sq. ft.	2-7.7mm - 500 2-20mm -100	NONE	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	2000'	-	1020/170/-	257*	-	5505 1085	37'3" 20'2" 23.5 sq. ft.	2-13mm - 200 (Inactive) 15mm ARMB	L.P.	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	22000'	-	1300/140/-	515	-	5900 6070	48 37'	1-7.7mm -	NONE	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	21000'	-	1100/140/-	-	500	4830 7430	58' 34'	2-7.7mm - 500 1-7.7 - 300	NONE	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	2.1. 35000'	-	810/150/-	610	2000	-	72' 52'	7-7.7mm - (300-700 Hds.)	NONE	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	30000'	-	3000/180/-	1353	-	14720 27500	81'10" 66'3"	3-7.7mm - 300 1- 20mm - 90 (Inactive)	L.P.	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	2500/ 2.1. 36000'	-	1100/110/-	** 225	-	4115 6150	39'5" 33'2" 21.6 sq. ft.	2-7.7mm - 500 2-20mm - 60	NONE	* *
TYPE 97 ST. BOMB	800/15000	250/13000/-	2000'	-	-	-	-	4192 5623	37' 26'6"	2-7.7mm - 500 1-7.7mm - 700	NONE	* *

NOTES: \* - Jettisonable fuel tank. \*\* - Extra fuel carried in main float. † - This is a 2000 HRS. model equipped with 1 main and two wing tip floats.

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MONTHLY CHART

JAPANESE AIR FORCE

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AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

DATE: 1 February, 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 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					WEIGHT DESIGN GROSS WEIGHT
TYPE 97 F/B FOUR-KITSEI 43 FLY BOAT	- 900/15000/- -	160/13000/- -	- 25000 -	- -	2400/110/ 1900/127/ 1750/110/-	- 2350 1747	- -	25000 50000 44100	131' 82'	4-7.7mm 1-20mm	NONE	FOR EQUIP.
TYPE 99 L/S LILY TWO 99 KAWASAKI LIGHT BOMBER	950/- / - -	- -	- -	- -	- -	362 -	- -	- -	56'11" 47'3"	4-7.7	ARMOR L.P. INEFFECTIVE	"
TYPE 0/ R BIRD TWO-102 MITSUBISHI BOMBARDIER	1050/- / - -	315/25000 -	- -	- -	- -	- -	- -	- -	50'0" 36'0"	NONE	BOMB	"
TYPE 3-SSP TONY ONE TYPE 2 KAWASAKI SINGLE SEAT FIGHTER	1100/- / - -	370/15000 -	- -	- -	1050/- / - 700/- / -	- 192	- -	6650 5800	38'4" 30'0"	2-12.7- 2-7.7-	ARMOR L.P. INEFFECTIVE	"
TYPE 2-SSP NICK TWO SAKAE 21 FIGHTER	945/17500/- 1060/15000/- -	330/13000/- -	- 31200 -	- -	850/- / - -	302 -	- -	- 11500	50'0" 37'0" 355 Sq. Ft.	4-12.7-	BOSS	"
TYPE 97MB GALLY No2 TWO TYPE 100 MITSU. MED. BOMBER	- 1150 -	285/13000/- -	- 30000 -	- -	950/- / - -	- -	- 5600	- 21500	74'8" 68'0"	5-7.7mm- 1-12.7mm-	L.P. TANKS (INEFFECTIVE)	"

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**CONFIDENTIAL** MONTHLY CHART **RUSSIAN AIR FORCE** PAGE 16  
**RUSSIAN AIR FORCE** AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 February, 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 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.-KDS. 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	
I-16 M-53 Engine Fighter	- 1000/13500 -	270/ S.L. 300/15000 -	5/15000 22000 NONE	- -	320/170/ 215/258/	- -	67 67	- -	5000 5000	29'2" 20'4" 145 Sq. Ft.	4-7.6 mm	-	ATS EDUSA 9/28/43
I-17 M-100 Engine Fighter	- 1100	306/12730/ -	5.2/12750 36000 NONE	- -	611/273/ -	- -	- -	- -	- -	35'2" 21'4" 191 Sq. Ft.	4- MG	-	M.I.D. 10/10/40
MI9-3 M-35 Engine Fighter	1200/19500 -	375/22000/ 310/ S.L.	8.5/20000 35000 NONE	- -	470/230/ 390/310/	- -	105 105	- -	6700 6700	31'6" 26'7" 110 Sq. Ft.	2-7.6 mm 1-12.7 mm	ARMOR	ATS EDUSA 9/28/43
IL-2 (Stormovik) M-38 Engine Dive Bomber	1600/6500 -	250/ S.L./ 275/8000/	6.5/13000 -	- -	330/170/ 220/235/	- -	120 120	1100 1100	12500 12500	47'11" 38'0" 365 Sq. Ft.	2-20 mm 2-7.6 mm	ARMOR L.P. TANKS B.P. GLASS	"
TB-6 Four, M Engines Heavy Bomber	- 600	250/ - / - -	24/13000 26000	- -	1250/ - / - -	- -	- -	- -	- -	- -	6 MG	-	M.I.D. 1/26/41
SB-3 Two, M103 Engines Bomber	950/11500 -	230/S.L./- 250/14000/- 69	10/11500 26200	- -	1085/150/ 850/220/ 480/150/	- -	420 420 212	1320 1320 2640	10035 17000 17000	66'11" 41'0" 615 Sq. Ft.	2-7.6mm-950 1-7.6mm-1050 1-7.6mm-700	ARMOR L.P. TANKS	ATS EDUSA 9/28/43
IE-3P Two, M-37 Engines Bomber	1100/19700 -	270/16000/- -	16/16100 26500	- -	2500/160/ 1120/330/ 1000/110/	- -	1000 808 540	3300 2200 6400	21750 18700 21750	70'2" 47'7" 705 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm- 650	-	"
PE-2 Two, M-105 Engines Dive Bomber	1050/12000 -	265/S.L./- 295/14000/-	10/14000 -	- -	580/185/ 485/255/	- -	258 258	2200 2200	16500 16500	56'1" 41'5" 355 Sq. Ft.	3-7.6mm- 1-12.7mm-	-	"
TB-7 Four, M-35A 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 8300	63000 63000 63000	132'0" 74'0" 2050 Sq. Ft.	2-7.6mm- 400 1-20mm- 160 1-20mm- 200 2-12.7mm-200	-	"

NOTES:

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