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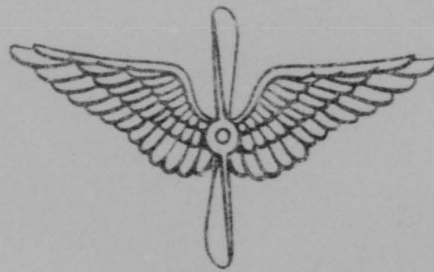
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FOREIGN

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE



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ARMY AIR FORCES, BY THE CHIEF, ENGINEERING DIVISION,
MATERIEL COMMAND, WRIGHT FIELD, DAYTON, OHIO

1 December, 1943

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MONTHLY CHART

BRITISH, FIGHTER

PAGE 1

BRITISH, FIGHTER

AIRCRAFT CHARACTERISTICS & PERFORMANCE

DATE: 1 December, 1943

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. CEL. -1/2 ENG. OUT	T. O. & LAND T. O. OVER 17' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS		NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE			
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2350	358/18000/-	11.2/20000 31600	1350	1025/236/-	200	None	9929 12550	50'0" 37'6" 370 Sq. Ft.	1-20mm.-80	None	ONI 1/23/42 ST. USA Rept. 274
BLACKBURN Roc I One Bris. Perseus III	905/6500 746/6500 830	223/7500/-	25.5/15000 18200	-	650/130/-	112	None	6167 8042	16'2" 35'7" 312 Sq. Ft.	1-303-600	None	MID-ONI 11/7/42
BLACKBURN Skua I One Bris. Perseus III	905/6500 746/6500 830	225/8700/-	20.1/15000 19100	-	900/130/- 600/130/-	156 136	None 500	9940 8320 8376	16'2" 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 1050/16250 880	304/17000/-	8.5/15000 30000	1500 2310	980/180/- 165/160/-	125 125	None None	9938 7718	39'4" 35'0" 224 Sq. Ft.	1-303-600	Armor L.F. Tanks	D.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	140/175/- 370/175/-	125 125	None None	6187 7765	39'4" 35'0" 224 Sq. Ft.	1-303	-	S.A.C. 5/12/42
BRISTOL Beaufighter I Two Bris. Hercules XI	1200/16000 1510/11250 1990	321/17500/-	- 30000	1785 2580	1515/228/-	660	None	19931 21120	57'10" 41'6" 451 Sq. Ft.	1-20mm.-283 6-303-1000	Armor L.F. Tanks S.F. Glass	M.A.F. thru 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.	1-20mm.-283 6-303-1000	Armor L.F. Tanks S.F. Glass	M.A.F. 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	1180/213/-	660	None	21322	57'10" 41'6" 451 Sq. Ft.	1-20mm.-210 6-303-1000	Armor L.F. Tanks S.F. Glass	M.A.F. thru Dayton SAC 11/8/42
DEHAVILLAND Mosquito VI Two RR-Merlin XXI	1180/18000 1170/21000 1280	380/22000/-	7.7/20000 29500	2175 2535	1205/210/-	143	1000	14310 19822	54'2" 41'2" 450 Sq. Ft.	1-20mm.-150 1-303-500	-	M.A.F. thru Dayton SAC 11/8/42
FAIRY Firefly One RR-Griffon II	1365/17000 1380/19000 1755	338/21000/-	10.2/20000 30600	1950	700/202/-	-	-	8731 11372	44'6" 37'0" 328 Sq. Ft.	2-20mm.-175 2-20mm.-150	-	ONI 1/23/42 ST. USA Rept. 274

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

DECLASSIFIED
DOD DIR 5200.9, 27 Sep 58

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 December, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. ML. CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO/FT *REV. CELL CELL-1/3 ENGE. 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 -CALIBER OF GUN PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					WT. EMPTY WEIGHT WEIGHT
FAIRY Palmer II One RR-Merlin 30	1240/1250 1200/8750 1300	264/3600/- 75	20.3/20000 24000	- -	385/234/- -	125 -	None 500	7575 9380	46'0" 40'6" 378 Sq. Ft.	6-303-1000 or 6-30-360	Armor L.P. Tanks B.P. Glass	MID-CBI 11/7/42
HAWKER Hurricane IIB One RR-Merlin IX	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1250 1940	540/170/- 355/281/-	116 116	None None	5290 7200	40'0" 31'5" 250 Sq. Ft.	10-303-300	Armor L.P. Tanks	B.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin IX	1180/18000 1170/21000 1280	327/20500/- -	- 36000	1770 2160	440/211/- -	- 116	- None	5655 7560	40'0" 31'5" 250 Sq. Ft.	6-303-100	Armor L.P. Tanks	Air Tech. Sect. ETUSA Rept. No. 274 10/29/42
HAWKER Hurricane IID One RR-Merlin IX	1180/18000 1170/21000 1280	313/22000/- -	- 34500	- -	460/210/- -	- -	- None	- 7656	40'0" 31'5" 250 Sq. Ft.	2-303-600 2-10mm.-16	-	Air Tech. Sect. ETUSA Rept. No. 274 10/29/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	450/26000/- -	6.7/20000 38800	1965 2460	- 827/217/-	- 250	- None	8380 11600	41'0" 33'6" 307 Sq. Ft.	1-20mm.-	-	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 2445	996/217/- -	250 -	None -	6105 11350	41'0" 33'6" 307 Sq. Ft.	1-20mm.-	-	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 34600	2500 2220	610/234/- 410/344/-	124 124	None None	8357 10500 10500	41'0" 32'0" 279 Sq. Ft.	10-303-500 or 1-20mm.-150	Armor L.P. Tanks B.P. Glass	M.I.G. 10/24/41 Cable 6/16/41
MARTIN-BAKER One Napier Sabre II	1675/16250 1800/15250 2010	430/15000/- -	- -	- -	1 3/4 hr. endurance	- -	- -	- -	37'0" -	6-20mm.-200	-	Special Army Observ. 1/24/42
SUPERMARINE Spitfire One RR-Merlin XLV	1200/16000 1235/17750 1185	373/19500/- -	5.2/15000 37600	- -	500/214/- -	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 One RR-Merlin XLV	1200/16000 1235/17750 1185	371/20000/- -	6.6/20000 37700	1200 1830	480/285/- 335/310/-	102 102	None None	4635 6460 6460	36'10" 30'0" 242 Sq. Ft.	1-303-350 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

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CONFIDENTIAL MONTHLY CHART BRITISH FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 December, 1943

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. CEL. -1.1 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
SUPERMARINE Spitfire VC One RR-Merlin XLV	1200/16000 1235/17750 1185	369/19500/-	7.0/20000 36500	- -	1085/206/- 474/-/-	- -	None None	5067 6737	36'10" 30'0" 242 Sq. Ft.	4-.20mm.-120 Armor L.P. Tanks	Air. Tech. Sec ETCUSA Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/24000 1375	405/24500/-	7.8/20000 40250	2065 2220	- 732/233/-	- 114	- 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.F. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Merlin 61	1190/25000 1300/24000 1375	406/24500/-	1.2/15000 40750	1875 2160	472/225/-	- 102	- None	7160	36'10" 31'0" 242 Sq. Ft.	4-.303-350 2-.20mm.-120 Armor L.P. Tanks B.P. Glass	M.A.F. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Warrior II	1675/16250 1500/16250 2010	391/18000/-	- 33500	1990 2160	500/249/-	- 156	- None	9400	40'6" -	6-.20mm.-120 Armor L.P. Tanks B.P. Glass	M.A.F. thru Dayton SAC 11/8/42
WESTLAND Welkin Two RR-Merlin 61	1190/25000 1300/24000 1375	431/24000/-	6.15/20000 44000	1890 2890	1560/245/-	- 564	- None	13845 16700	70'3" 41'6" 160 Sq. Ft.	6-.20mm.-120 -	M.A.F. 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/- 370/505/-	163 103	None None	8010 10115 10222	45'0" 32'3" 231 Sq. Ft.	4-.20mm.-60 or 12-.303- Armor L.P. Tanks B.P. Glass	S.A.C. 5/12/42
BRISTOL BLenheim 17F Two Mercury XV	825/14000 -	260/12000/-	11.4/15000 21200	- -	- -	- -	- -	9236 11100 12660	56'4" 42'7" 469 Sq. Ft.	4-.303-500 1-.303-400 1-.503- -	Air Info. Inv. Navy Dept. Wash. D.C. 8/43
DEHAVILLAND Mosquito X Two Merlin 73	1560/12000 1370/24000 -	417/25000/-	- 40000	- -	- -	- -	- -	14221 19700	54'2" 41'2" 154 Sq. Ft.	4-.303-500 4-.20mm-150 -	AS ABOVE

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

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C-PRELIMINARY FLIGHT TEST

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CONFIDENTIAL MONTHLY CHART BRITISH, BOMBARDMENT AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

PAGE 4

DATE: 1 December, 1943

MODEL & MFR ENGINE	ENG. RATINGS NORMAL ALT SERV. CRIT. ALT HIGH ALT. CRIT. L. ALT. CRIT. ALT.	SPEEDS HIGH ALT. CRIT. LANDING	CLIMB TIME TO FT. SERV. CRIT. CEIL. - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER IF OBS. LAND OVER IF 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)	MAXIMUM NORMAL (WITH MAX. BOMBS)					WT. EMPTY WEIGHT WEIGHT
ARL. - BRITISH Whitley V Two BR-herlin I	450/2000 BR-27750 1075	225/1700/-	27.5/15000	-	1935/170/-	-	1200	12745	84'0" 69'4" 1233 sq. ft.	1-.303-600 4-.303-1000	-	Air Tech. Sec. STUSA Rept. No. 274 10/29/42
ARL. Lancaster I Four BR-herlin II	1100/2000 1170/2100 1200	270/2000/-	14.5/15000	1200 2550	3000/125/- 2510/125/- 1130/125/-	3020 2250 1353	2000 1250 12750	35300 50000 60000	102'0" 69'11" 1297 sq. ft.	4-.303-2500 4-.303-1000 2-.303-500	Armor L.P. Tanks B.P. Glass	A. O. / R. I. T. I N. A. P.
A. O. Lancaster II Four BR-herlin II	1200/2000 1200/2100 1210	280/2000/-	20/15000	3000 400	2900/125/- 2350/125/- 1075/125/-	3020 2550 1300	2000 1250 12750	37970 50000 60000	102'0" 69'11" 1297 sq. ft.	4-.303-2500 4-.303-1000 2-.303-500	Armor L.P. Tanks B.P. Glass	A. O. / R. I. T. I N. A. P.
ARL. Lancaster I Two Bristol Hercules IV	450/2000 1100/2000 1085	210/1700/-	17500	-	1785/125/-	-	500	11910	50'0" 44'7" 503 sq. ft.	2-.303-400 2-.303-500	-	Air. Tech. Sec. STUSA Rept. No. 274 10/29/42
ARL. Lancaster IV Two Bristol Hercules IV	450/2000 1100/2000 1085	210/1700/-	17000	-	1110/270/750	720 331	1100 1600	2250 10000 10000	56'4" 42'0" 469 sq. ft.	4-.303	Armor L.P. Tanks	Aeroplans 3/25/40 1/10/41 3/25/41
ARL. Lancaster V Bristol Hercules IV	450/2000 1100/2000 1085	210/1700/-	17500	-	1210/170/-	-	1000	17000	56'4" 42'0" 469 sq. ft.	1-.303-400 1-.303-1000	-	Air. Tech. Sec. STUSA Rept. No. 274 10/29/42
ARL. Lancaster Two BR-herlin Hercules IV	1700/2000 1700/2000 1700	330/1920/-	16.0/15000	4350 2100	1500/215/- 1670/201/- 1570/201/-	1800 1800 1800	None 1800 1800	21274 36000 36550	71'0".6" 46'5" 710 sq. ft.	2-.303-1000 2-.303-700	-	A. O. / R. I. T. I N. A. P.
ARL. Lancaster Two BR-herlin III	1100/2000 1170/2100 1200	270/2000/-	17000	2650 2100	1700/-/- 1600/-/-	513 243	2000 2500	15145 20510 21710	50'4" 41'2" 400 sq. ft.	None	Armor L.P. Tanks B.P. Glass	I. T. M. #11 Can. Canada
ARL. Lancaster One BR-herlin III	450/2000 1100/2000 1085	170/1800/-	10.5/10000	-	790/111/-	234	None	7103 9900	50'0" 40'0" 607 sq. ft.	1-.303-400 2-.303-750	Armor L.P. Tanks	W. I. M. #11 11/7/42
ARL. Lancaster One BR-herlin III	1200/2000 1200/2100 1200	270/1800/-	6.7/6000	-	655/136/-	-	1610	9112 13177	48'2" 40'6" 411 sq. ft.	2-.303 1-.303-600 (Recomm. Only)	-	Air. Tech. Sec. STUSA Rept. No. 274 10/29/42

NOTES:
 * Operational ceiling; 500 ft/min rate of climb
 ** Normal recon. 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 BR IV at Wright Field was 365/20,500 ft.
 AC-AIR COMPS
 DA-DEFENSE AID
 PO-PURCHASE ORDER

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

Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL MONTHLY CHART BRITISH BOMBARDMENT PAGE 5
AIRPLANE CHARACTERISTICS & PERFORMANCE DATE: 1 December, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MOL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. VERY CRUL. CRUL. - 1/2 ENGS. OUT	T.O. & LAND T.O. OVER 30' OBST. LAND OVER 30' OBST.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CAL. DIA. OR LBS. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. GUN) (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NOTE NORMAL MAXIMUM				
HEPHEP Pterodactyl Two Drais. Pegasus III or 30	750/1750	214/1500/- 74.6	12.6/1000 17000	- -	**570/101.5 166/101.5	201 201	None 1500	5000 7050 9225	31.0 30.0 307 sq. ft.	2-303-600 L.P. Tanks Only	1-101 11/7/42
HEPHEP Pterodactyl Bell Tex II Four Drais. Merlin XI	1100/13000 1170/21600 1280	250/13000/- -	25.0/15000 4.21000 8.25000	3000 2550	2260/175/- 178/175/- 150/175/-	2815 2261 135	None 1050 13000	5000 50000 50000	30'0" 70'11" 1750 sq. ft.	10-303-1000 1200 lbs. wt. L.P. Tanks S.P. Glass	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Four Drais. Hercules II	1300/13500 1530/15000 1610	270/15000/- -	25.0/15000 4.17000 8.25000	3000 2700	254/-/- 1710/-/- 130/-/-	2000 2061 101	None 4000 13000	5700 55000 63000	37'0" 70'11" 1250 sq. ft.	10-303-1000 1200 lbs. wt. L.P. Tanks S.P. Glass	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Two Drais. Pegasus XVIII	750/1750 805/15000 965	230/13000/- 73	25.0/15000 30000	3100 -	-/-/- 1700/-/- 1300/-/-	- 725 376	None 2000 5000	5000 12500 12500	37'0" 70'11" 757 sq. ft.	6-303 L.P. Tanks	S.A.C. 5/12/42
HEPHEP Pterodactyl Bell Tex III Four Drais. Centaurus 3 S.M.	1650/13000 2000/20000 2000	212/1250/- -	25.7/15000 4.12500 8.17000	- -	56/-/- 320/-/- 1130/-/-	7000 1600 2000	None 1000 20000	71000 120000 120000	150'0" 110'0" 2636 sq. ft.	6-30-1000 6-30-350 L.P. Tanks	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Four Drais. Hercules XI	1200/12000 1512/11250 1550	205/10500/- -	34.1/15000 4.10500 8.20500	4200 3500	2175/200/- 2050/200/- 915/200/-	5250 2706 1392	2250 2700 14000	13200 70000 70000	37'0" 77'0" 1450 sq. ft.	6-303-1000 L.P. Tanks S.P. Glass	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Four Drais. Hercules XII	1300/13500 1530/15500 1610	205/13500/- -	25.4/13000 4.13000 8.20000	1200 3300	2115/200/- 2002/200/- 800/200/-	3350 2706 1311	1500 5000 14000	70000 70000 70000	39'0" 77'0" 1450 sq. ft.	10-303-1000 L.P. Tanks S.P. Glass	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Four Drais. Pegasus XVIII	750/1750 805/15000 965	195/1000/- -	1.1/5000 4.11700 8.15000	9000 -	2970/-/- 2900/-/- 1595/-/-	3060 2566 1035	None 1300 4000	50000 50000 50000	112'0" 85'4" 1607 sq. ft.	6-303-1000 1-303-700 L.P. Tanks S.P. Glass	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Four Drais. Hercules XVIII	1675/1500/- -	204/1500/- -	6.5/5000 4.14500 8.19000	6600 -	3175/-/- 2845/-/- 2545/-/-	2000 3700 3450	None 1900 4000	14910 73550 73550	112'0" 85'4" 1607 sq. ft.	6-303-1000 1-303-700 L.P. Tanks S.P. Glass	A.S.P./A.S.P.
HEPHEP Pterodactyl Bell Tex III Two P.W. Waag SIA-C	1500/14000 -	213/11000/- -	18.0/15000 20000	4500 3300	1780/120/- 1460/120/- 845/120/-	1468 1221 758	3075 5275 5000	28750 46000 46000	95'0" 72'4" 1320 sq. ft.	6-303-2000 1-303-1000 L.P. Tanks	A.S.P./A.S.P.

NOTES: a. Service ceiling at maximum weight
 b. Service ceiling at mean weight
 AC-AIR CORPS ** Normal reconnaissance load.
 DA-DEFENSE AID
 PO-PURCHASE ORDER
 A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
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MONTHLY CHART BRITISH, COMBATMENT
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 5

DATE: 1 December, 1943

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	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	WT. EMPTY WEIGHT WEIGHT					
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/12400	277/20000/-	20.0/15000 a. 23000 b. 26500	3000 3300	1675/180/- 1380/180/- 1070/180/-	1158 1223 978	5100 6500 8000	29000 47500 47500	96'8" 72'4" 1020 Sq. Ft.	8-.303-1000 8-.303- 500	- - -	A. D./R. D. T. I N. A. P.
VICKERS Wellington Ic Two Bris. Pegasus XVIII	750/14750 895/15000 965	235/15500/-	25/15000 15000	-	2550/165/- 1805/165/- 1200/165/-	- - -	1000 2750 4500	18800 - 30000	86'0" 60'10" 850 Sq. Ft.	8-.303-1000	-	Air Tech. Sec ETOUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two BR-Merlin I	960/13000 1010/17750 1075	244/17000/-	33.5/15000 18000	4050	1580/195/-	-	900 3500 4500	20050 - 32000 32000	86'0" 60'10" 850 Sq. Ft.	8-.303-1000 8-.303- 500	Yes	B. A. C. 5/12/42
VICKERS Wellington III Two Bris. Hercules II	1200/14000 1510/11250 1590	263/11500/-	28.0/15000 20000	-	2200/185/- 1500/185/-	- -	1500 4500	21220 - 31500	86'0" 60'10" 850 Sq. Ft.	8-.303-1000	-	Air Tech. Sec ETOUSA Rept. No. 274 10/29/42
VICKERS Wellington VI Two BR-Merlin IX	1035/30000 1035/30000 1225	312/32000/-	65/35000 a. 36700 b. 38500	3078 2355	- -	- -	- 4500	20290 - 31600	86'2" 82'5" 840 Sq. Ft.	8-.303-1000	-	A. D./R. D. T. I N. A. P.
VICKERS Wellington X Two Bris. Hercules VI	1300/13500 1530/15500 1610	265/15500/-	22.0/15000 a. 20500 b. 21000	2850 2550	2110/185/- 1160/185/-	1236 900	1500 4500	21110 - 31500	86'0" 60'10" 850 Sq. Ft.	8-.303-1000 8-.303- 500	-	A. D./R. D. T. I N. 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

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 7

DATE: 1 December, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. CRP. 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 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	WT. EMPTY WEIGHT WEIGHT						
BELL P-400 "AIRACORRA -1" One P-1710-E4	1000/11000 1150/11800 1150	358/12000	5.1/10000 25000	-	-	-	195-(U.S.) 120-(U.S.)	-	-	5678 7382 7835	34'10" 26'5" 213 sq. ft.	4-.50-1000 2-.50-270 2-20mm-60	-	AAEE-774 AFIU-No. 31
CURTISS HE-61A "TOMAHAWK I" One P-1710-C-15	-	-	-	-	-	-	-	-	-	-	-	2-.50 4-.303	-	AAEE-763, a
CURTISS HE-61A "TOMAHAWK II" One P-1710-C15	-	313/16000 83	7.7/15000 31500	1320	-	-	158 101	-	-	-	-	2-.50 4-.30	-	AAEE-763
CURTISS HE-67A "KITTYHAWK I" One P-1710-F3R	1000/11000 1150/11800 1150	332/11000 322/16200	14.2/20000 28700	-	a b 1060/- / - b 670/- / -	-	199 146	-	-	5975 8566 8180	37'11" 31'5" 236 sq. ft.	6-.50-240T	-	AAEE-763
CURTISS HE-67A "KITTYHAWK II" One P-1650-1	1010/16000 1120/16000 1300	354/20000	10.9/20000 34300	-	-	-	200 158	-	-	8120 Test 6182	-	-	-	AAEE-763, a
DOUGLAS DB-7 "BAYCO I" Two R-1830-S3C14	1000/12500 1050/13100 1200	-	-	-	-	-	328	-	-	11775 15532	61'4" 47'3" 465 sq. ft.	-	-	-
DOUGLAS DB-7 "BAYCO II" Two R-2600-45B	1275/11500 1600	328/13000	-	2610	-	-	326 458	-	-	11814 17711 18751	61'0"	-	-	AAEE-771
GRUMMAN G-36 "MARTLETT I" One R-1820-G205A	900/15200 1200	-	-	1560	-	-	-	-	-	-	-	4-.50	-	AAEE-762
GRUMMAN G-36 "MARTLETT II" One R-1830-S3C14	1000/12500 1050/13100 1200	-	-	1710	-	a 390/- / -	160 130	-	-	5495 7790 7550	38'3" 29'1" 261 sq. ft.	6-.50-225	-	AAEE-762, a
GRUMMAN G-36 "MARTLETT III"	-	NO DATA AVAILABLE	AVAILABLE	-	-	-	-	-	-	-	-	-	-	-

NOTES:
 **--Tested with Jettisonable fuel tank Gr. Wt. 5510#
 ***--At 17500# and 0° flap
 AC--AIR CORPS
 DA--DEFENSE AID
 PO--PURCHASE ORDER
 a--Allowance made for warm up, take off, etc.
 b--Still air range.
 c--Another test at 7300# gave 351 MPH
 d--At weight = 6366#

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 - FIGHTERS (U.S. BUILT)

PAGE 6

DATE: 1 December, 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL A.C.T. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-12 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGTHS			WT. EMPTY WEIGHT 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)	NONE NORMAL MAXIMUM					
GRUMMAN WARTLBY IV One B-1420-205A-3	- - -	- - -	- - -	- - -	- - -	- - -	- - -	5591 - 7760	- - -	- 2-.50-470 2-.50-450 2-.50-500	- - -	AAEE/762, b
NORTH AMERICAN NA-73 "MUSTANG I" One V-1710-PJR	1000/11000 1150/11800 1150	370/15000 -	7.3/15000 30000 -	1920 -	960 / - / - -	- 155 (U.S.) -	- - -	8625 -	- -	2-.30-900 2-.30-800 2-.50-300 2-.50-200	- - -	AAEE/781

NOTES:

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

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

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

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CONFIDENTIAL MONTHLY CHART BRITISH - BOMBARDMENT (U.S. BUILT) AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 December, 1942

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. HIL. 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 BOMBERS		FUEL with BOMBERS	WEIGHTS WT. EMPTY WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIB. DIA. OF AMM. FEED GEN	COMBAT PROT. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					
LOCKHEED 411 "HUDSON III" Two R-1820-G205A	900/15200 1200	255/15100	-	2100	13 hrs. 7.5 hrs.	830 644	- 1280	- -	65'6" 44'9" 551 Sq. Ft.	2-305-1500 2-305-5000 2-305-2000	AAEE/734, 4.
LOCKHEED 414 "HUDSON IV" Two R-1830-CC36	- -	260/10000	12.0/10000	2600	- -	- -	- -	- -	- -	- -	AAEE/734, 4.
LOCKHEED 414 "HUDSON V" Two R-1830-CC36-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LOCKHEED VEGA 37 "VENTURA" Two R-2500-CL149	1500/17500 1850/2700 1850	- -	- -	- -	- -	- 565	- 2500	17164 26700	- -	4-305-1000 2-305-750 2-50-250	AAEE/790
MARTIN 167 MARYLAND I Two R-1830-CC30	900/12000 1050/17700	294/9000 80	18.1/15000 27250	1560	1470/179/-	750 U.S.	- -	11000 17890 15870	61'4" 46'8" 542 Sq. Ft.	6-305-500	AAEE/765
MARTIN 167 MARYLAND II Two R-1830-	- -	NO DATA AVAILABLE	- -	- -	- -	- -	- -	- -	- -	NO DATA AVAILABLE	- -
MARTIN 187 BALTIMORE I Two R-2500-A585	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	- -	4-30 4-30-500 2-30-100 2-30-100	- -
MARTIN 187 BALTIMORE II Two R-2500	- -	NO DATA AVAILABLE	- -	- -	- -	- -	- -	- -	- -	NO DATA AVAILABLE	- -
MARTIN 187 BALTIMORE III Two R-2500-A585	1275/11500 1600	301/10100	10.5/10000 23500	- -	770/-/-	1288	2000	20330	- -	- -	AAEE/782, a.
NORTH AMERICAN NA90 MITCHELL I Two R-2500-9	1350/13000 1450/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	AAEE/794

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

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

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 - EQUIPMENT (U.S. BUILT)

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BRITISH - EQUIPMENT (U.S. BUILT)

DATE: 1 December, 1943

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 50' OBS.	RANGE with # ENGS. & POWER		FUEL with		BOMBS at		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIBER 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 WEIGHT								
BOEING 297 "FORTRESS II" Four B-1820-65	1000/25000 1800/25000 1200	300/25000/-	15.1/15000	2850 2400	2650/190/- 2230/190/- 1815/190/-	2520 2120 1735	- 3700 7400	- - -	22005	- - -	2-50-150 2-50-650 2-50-200 2-50-	AAEE/770, and AD/RDT1				
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE											
CONSOLIDATED-1B-30 "LIBERATOR I" Four B-1830-830LG	1000/12500 1050/13100 1200	- -	- -	2800	- -	- -	- -	- -	- -	110'0" 66'0" 104 S. Ft.	- -	AAEE/769				
CONSOLIDATED-1B-30 "LIBERATOR II" Four B-1830-830LG	1000/12500 1050/13100 1200	250/11000/-	- -	- -	2200/-/-	- -	8000	- -	56000	- -	4-303-500 + 500 res. 4-303-2200 4-303-1000 2-303-500	R. P. D. U. No 44				
CONSOLIDATED-1B-30 "LIBERATOR III" Four B-1830-13	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3885	3000/-/- 2100/-/- 1540/-/-	3120 2270 1510	None 1400 8000	- -	33500	- -	- -	AAEE/769, A				
DOUGLAS DB-7 "BOSTON I" Two B-1830-805G	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/-/- 1750/-/- 880/180/-	- -	- -	- -	- -	- -	- -	- -				
DOUGLAS DB-7 "BOSTON II" Two B-1830	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -				
DOUGLAS DB-7 "BOSTON III" Two B-2600-A5H	1275/11500 1500	312/13000/-	- -	3540 a. 2835 b.	670/170/- 820/170/-	512 382 546	- 2000 2000	15718 33000 21550 22400	61'4" 47'3" 165 S. Ft.	4-303-500 4-20mm-60 2-303-500	AAEE/752, C					
LOCKHEED 21L "HUDSON I" Two B-1820-G102A	900/8700 1100	239/8000/-	- -	2970	- -	- -	- -	- -	- -	- -	- -	AAEE/779				
LOCKHEED-114 "HUDSON II" Two B-1820-G102A	900/8700 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 "HUDSON" version
d 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
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 December, 1943

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 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS			WT. EMPTY WEIGHT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CALIBERS OF MM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	RANGE NORMAL MAXIMUM					
NORTH AMERICAN NA-90 MITCHELL II Two B-2500-13	1350/13000 1150/12000 1700	294/11800	10.8/15000 26700	- -	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.50 -	-	AAEE/791, A
WRIGHT SECURITY W-156 CHESAPEAKE I One B-1355-SB14	750/9800 -	222/4700	20.0/10000 16000	2300 -	1170/ - / -	215 (U.S.)	500	9040 -	- -	4-.50 - 1-.50-1100	-	AAEE/773
WRIGHT SECURITY KINGFISHER I One B-285-AN-C	- -	163/3900	29.2/10000 11600	2130 -	- 730/106/ - 440/106/ -	214 100 80	- -	3626 -	- -	1-.50-500 1-.50-500	-	AAEE-789
WILHE VENGEANCE I One B-2500-AJB-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	6-.30 -	-	

NOTES:

* At 8940#
** At max. gross weight

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

GERMANY - FIGHTERS

PAGE 12

DATE: 1 December, 1943

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 WT. EMPTY GROSS WEIGHT GROSS 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					
ROCKE-WULF 190A-2 (1) BMW - 801D FIGHTER	1150/- 1500/14000 1695/S.L.	395/17000 110	6.25/18000 38000 NONE	2250 2700	820/220/- 380/335/- 140/230/-	216 138 138	NONE NONE NONE	6210 9200 8600 9800	34'6" 29'2" 203 Sq. Ft.	2-7.9mm-1000 2-20mm - 250 2-20mm - 60	ALL	TECH. DATA FILES
ROCKE-WULF 190A-4 (1) BMW - 801D-2 FIGHTER BOMBER	- 1755/3250 1695/S.L.	320/19000 -	10.25/18000 34500 NONE	- -	- 870/270/- -	296 138 138	NONE 550 1100	- - 10350	34'6" 29'2" 203 Sq. Ft.	2-7.9mm - 2- 20mm -	ALL	"
JUNKERS JU88C5 (2) BMW - 801D NIGHT FIGHTER	1150/18000 1530/20000 1695/S.L.	347/17500 -	10.3/18500 30200 -	2310 2055	1620/213/- 800/230/- -	948 1444 -	NONE	21000 27800 25000 -	66'10" 47'0" 590 Sq. Ft.	3-20mm- 120 7-7.9mm-1000	ALL	"
MESSERSCHMITT ME-109P (1) DAIM. BENZ. DE-601B 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 550 550	4740 EST. 6980 6420 7000	32'6" 29'3" 172 Sq. Ft.	2-7.9mm-500 1- 20mm-200	ALL	"
MESSER: ME-109G2, L, 6 (1) DAIM. BENZ. DE-605A FIGHTER	1330/16000 1520/15000 1455/S.L.	395/22000 -	6.3/18000 37500 NONE	1800 2100	1020/210/- 415/316/- 535/210/-	185 105 105	NONE 550 550	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) DE-601F FIGHTER	1220/15000 1390/14500 1395/S.L.	355/20000 95	8.5/16500 33500 -	1000 1800	2120/200/- 920/200/- -	882 336 -	NONE NONE 615	9900 20500 15500 20500	53'9" 40'3" 415 Sq. Ft.	4-7.9mm-1000 2-7.9mm-750 2-20mm -180	ALL	"
MESSER: ME-210A, B, C, D (2) DAIM. BENZ. DE-601F 2 ENGINE FIGHTER	1220/15000 1390/14500 1395/S.L.	368/20000 95	10.6/16500 28500 -	- -	- 1700/227/- 1280/320/-	804 660 660	NONE NONE 1100	15500 23900 20250 21350	53'9" 40'3" 390 Sq. Ft.	2-7.9mm-500 2- 13mm-450 2- 20mm-300	ALL	"

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

Prepared by: Technical Data Laboratory, Engineering Division

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MONTHLY CHART

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 December, 1943

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
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
<u>DOERNER DO-217E</u> (2) BMW - 601A BOMBER	1365/11250 1195/17750 1530/ S.L.	310/17000	21/17000 22500	4650	2150/220/- 1010/255/- 960/215/-	1550 780 780	NONE 4400 6600	22500 34000 32000 34000	62'10" 56'6" 590 Sq. Ft.	1-20mm-60 2-7.9mm-1000 or 4-7.9mm - 2-13mm-450	TECH DATA FILES
<u>POCKE-WULF 200R</u> (4) BRAMO-PAPNIER "323B" BOMBER	765/114000 940/12000 985/ S.L.	235/13000	11.7/15000 21500	-	2430/170/- 1250/170/- 1110/215/-	2112 1105 1004	3300 3300 11000	47200 - 90500	108'0" 78'0" 1200 Sq. Ft.	2-20mm-200 4-7.9mm-500 2-13mm-450	"
<u>HEINKEL 111E</u> (2) DB-601A BOMBER	850/15250 1035/13100 1085/ S.L.	274/12300	16/15000 23600	2200 1800	2640/230/- 1600/215/- 1350/195/-	1321 912 848	NONE 4400 6200	11400 22600 25300 31000	73'10" 53' 8" 940 Sq. Ft.	1-20mm-200 5-7.9mm-500 1-13mm-325	ALL
<u>HEINKEL 177</u> (2) DAIM. BENZ: DB-606 BOMBER	2350/15000 2700/11000 2550/ S.L.	295/17000	32/17000 21000	-	3150/230/- 1315/255/-	3700 1710	2200 - 15800	36000 - 67000	103'9" 67'5" 1100 Sq. Ft.	(EST.) 6/10-20mm- 150	"
<u>HENSCHEL HS-129</u> (2) GROMP-HEINE 11M BOMBER	660/13100 800/8000 800/ S.L.	275/9000	7/10000 24500	3000 1800	690/150/- 440/150/-	240 160 160	220 220 770	9300 - 11100 12000	44'6" 33'4" 305 Sq. Ft.	2-7.9mm-1000 2-20mm-200 1-30mm- 50	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 TROOPS	23100 - 23100	95'10" 62'0" 1150 Sq. Ft.	5-7.9mm-	NONE
<u>JUNKERS 86P-1</u> (2) JUNKERS JU-207A PRESS. CABIN BOMBER	800/26000 1000/26000 1000/ S.L.	290/30000	- 42000	1960 2280	1700/-/- 1500/210/-	640 580	NONE 1760 2200	- 22900 -	* 78'0" 53'0" 900 Sq. Ft.	NONE	NONE
<u>JUNKERS 87D</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 11300	45'4" 36'6" 335 Sq. Ft.	4-7.9mm-1000	ALL
<u>JUNKERS 88A-5</u> (2) JUNKERS JU-211F BOMBER	- 1075/13300	273/11000	31.8/17500 28000	3000 1640	1857/221/- 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 JU88E</u> (2) BMW 801 BOMBER	1365/11250 1195/17750 1530/ S.L.	335/12000	- 30000	-	1600/-/- 1160/260/-	- 768	2200	- -	- -	-	-

NOTES: * ESTIMATED
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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

PAGE 11

JAPANESE AIR FORCE

DATE 1 December, 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF S. I.	SPEEDS HIGH/ALT./HP. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL-112 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with & SPEEDS & POWER		FUEL with NORMAL	BOMBS at NORMAL MAXIMUM	WEIGHTS RT. EMPTY WEIGHT GROSS HEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-EDG. OF ARM. PER GUN	COMBAT PROF. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)							
TYPE 97 SSF NATE ONE HIKARI FIGHTER	800/13000	280/13000/-	3600 FPM 35000'	-	800/200/- 450/253/-	161* 80	-	3250 5000 6100	35'7" 26'4"	1-7.7mm - 550	NONE	For. Equip	
TYPE 0 SSF ZEKE ONE NAKAJIMA SAKAE 12 NX-1 FIGHTER	950/12750	326/16000/-	2750/ S.L. 39500'	-	1180/116/- 895/116/-	225* 139	-	3750 6136 5555	36'5" 29'7" 218 Sq. Ft.	2-7.7mm - 500 2-20mm- 60	NONE	" "	
TYPE 0 SSF HAMP ONE NAKAJIMA SAKAE 21 FIGHTER	945/17800 1060/15000	350/17000/-	3200/ S.L. 42200'	-	1600/116/- 1180/153/-	228* 141	-	3400 6331 5750	36'6" 29'8" 238 Sq. Ft.	2-7.7mm - 600 0-20mm-160	NONE	" "	
TYPE 1 SSF OSCAR TYPE 99 FIGHTER	950/15000	315/15000/-	35000'	-	1225/175/-	287* 119	-	3585 4785	37'6" 29'2" 235 Sq. Ft.	0-13mm-200 (Ineffective) 15mm ARMOR	L.P.	" "	
TYPE 99 D/B VAL ONE KINSEI 14 DIVE BOMBER	990/6500 1275/6500 1000	239/ 6200/-	27000'	-	1320/110/- 875/190/-	315 271	811	5900 6070	48' 37'	3-7.7mm -	NONE	" "	
TYPE 97 T/B NATE ONE NAKAJIMA SAKAE 11 TURP. BOMBER	1000/ - / -	230/10000/-	21500'	-	1100/164/- 980/179/-	- -	800 1760	6590 7250 6530	52' 34' 370 Sq. Ft.	2-7.7mm - 600 1-7.7 - 500	NONE	" "	
TYPE 97 M/B SALLY TWO KINSEI 14 MED. BOMBER	870/10000/-	230/10000/-	21,153,000'	-	2110/150/- 1200/180/-	810 651	2000 4400	- -	72' 52'	7-7.7mm - (500-700 Rds.)	NONE	" "	
TYPE 1 M/B BETTY TWO KINSEI 15 MED. BOMB	1100/ - / -	268/13500/-	30000'	-	3000/180/- 1800/180/-	1355 756	- 1760	14722 27500 20112	81'10" 66'3"	3x7.7mm -300 1x 20mm - 90 (Ineffective)	L.P.	" "	
TYPE 0 SSF F/P RUPE ONE NAKAJIMA SAKAE 12NK-1 SEAPLANE FIGHTER	950/13750/-	280/16000/-	2500/ S.L. 36500'	-	1180/119/- 895/116/-	** 225 139	-	6115 6136 5960	36'5" 35'2" 218 Sq. Ft.	2-7.7mm -500 2-20mm - 60	NONE	" "	
TYPE 0 R F/P PETE ONE SUISEI 13 REC. FLOAT PLANE	-	220/ 9000/-	26000'	-	-	-	-	6192	37' 26'6"	2x7.7mm- 500 117.7mm -700	NONE	" "	

NOTES:

* - Jettisonable fuel tank.

** - Extra fuel carried in main float.

X - This is 0 SSF ZEKE equipped with 1 main and two wing tip floats.

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r REVISED

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JAPANESE AIR FORCE

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DATE: 1 December, 1943 (REVISED)

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 ENGE. 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. FUEL)	NONE NORMAL MAXIMUM					WEIGHT DESIGN GROSS WEIGHT
TYPE 97 F/B WAVIS FOUR-KINSEI 43 FLY BOAT	900/15000/-	160/13000/-	26000	-	2400/110/- 1900/127/- 1750/110/-	2350 1767 1767	- - 3500	25000 50000 44100	131' 82'	4-7.7mm 1-20mm	NONE	FOR EQUIP.
TYPE 99 L/B LILY TWO 99 KAWASAKI LIGHT BOMBER	950/- / -	-	-	-	-	362	-	-	56'11" 47'3"	4-7.7	ARMOR L.P. INEFFECTIVE	"
TYPE 0/8 GINA TR-102 MITSUBISHI RECONNAISSANCE	1050/- / -	315/23000	-	-	-	-	-	-	50'0" 36'0"	NONE	NONE	"
TYPE 3-88P TONY ONE TYPE 2 KAWASAKI SINGLE SEAT FIGHTER	1100/- / -	370/18000	-	-	1050/- / - 700/- / -	192	-	6650 5800	38'4" 30'0"	2-12.7- 2-7.7-	ARMOR L.P. INEFFECTIVE	"
TYPE 2-88P NICK TWO SAIAB 21 FIGHTER	945/17800/- 1060/15000/-	330/18000/-	34000	-	850/- / -	302	-	- 11500	50'0" 37'0" 335 Sq. Ft.	4-12.7-	NONE	"

NOTES:

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MONTHLY CHART RUSSIAN AIR FORCE
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 16

DATE 1 December, 1943

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 90' OBS. LAND OVER 90' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-HDR. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NO. OF NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
1-16 M-63 Engine Fighter	- 1000	290/13000/-	- None	- None	160/220/-	-	-	1610 6100	31'3" 21'11" 204 Sq. Ft.	2- MG 2-20mm Cannon	Spotter 7-21/41	
1-17 M-100 Engine Fighter	- 1100	306/12780/-	5.2/12780 None	- None	641/273/-	-	220	-	33'2" 24'4" 191 Sq. Ft.	4- MG	M.I.D. 10/10/40	
MI-3 M-35 Engine Fighter	1200/19680 -	390/21000/-	- None	- None	350/330/- 125/2014/-	105 105	0 140	6000 6500	28'6" 22'0" -	2-7.6 mm 1-12.7 mm	M.I.D. 9/16/41	
IL-2 (Stormovik) Five Bomber	1150/92000 -	270/10000/-	- -	- -	- -	- -	880 1100	- -	- -	2-20 mm 2-7.6 mm	Armor L.P. Tanks B.P. Glass	M.I.D. 10/8/41
IB-6 Four, 34 Engines Heavy Bomber	- 600	250/-/-	24/13000 26000	- -	1250/-/-	-	6600	-	-	6 MG	-	M.I.D. 4/26/41
SB-3 Two, M-10 Engines Bomber	860/13780 -	260/-/- 59	20/26218 26218	- -	620/217/-	441	1200 2200	10033	66'0" 41'0" 616 Sq. Ft.	2-7.6mm-950 1-7.6mm-1050 1-7.6mm-700	Armor L.P. Tanks	M.I.D. 2/8/41
DB-3F Two, M-37 Engines Bomber	950/11000 -	270/16000/-	15/16100 26500	- -	2500/160/- 1180/230/- 1000/210/-	1000 808 540	3300 2200 6400	21750 18700 21750	70'0" 47'0" 708 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm- 650	-	Air Min.
FB-2 Two, M-105 Engines Five Bomber	1000/12000 -	342/-	- -	- -	- -	- -	1540 2120	- -	- -	3-7.6mm- 1-12.7mm-	-	O.S.I. 10/8/41
TF-7 Four, M-35 Engines Heavy Bomber	1200/13700 -	220/13700/- 80 (heavy) 55 (light)	- 32000	- -	- -	- -	- 8000	- -	132'0" 74'0" 2000 Sq. Ft.	2-7.6mm- 400 1-20mm- 150 1-20mm- 200 2-12.7mm-200	-	Tech. rep. NO. 203 7/6/42

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