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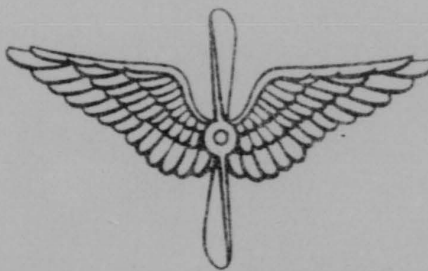
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FOREIGN

MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE



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MATERIEL COMMAND, WRIGHT FIELD, DAYTON, OHIO

1 NOVEMBER 1943

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MONTHLY CHART BRITISH, FOREIGN
AIRPLANE CHARACTERISTICS & PERFORMANCE

MODEL & MFR. ENGINE	ENGR. RATINGS NORMAL ALL SFC. UNIT SET TAKE-OFF S.L.	SPEEDS HIGH ALL SET LASHING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGR. DAT.	T.O. & LAND T.O. OVER OF OPS. LAND OVER OF OPS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT	COMBAT FIRST TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMB)	MAXIMUM NORMAL (WITH MAX. BOMB)	None NORMAL MAXIMUM				
BLACKBURN Firebrand One Napier Sabre III	1470/16250 1920/16000 2250	350/18000/-	11/20000 21600	1350	1000/130/-	300	None	9680 12950	50'10" 37'6" 370 Sq. Ft.	4-20mm.-80	CHI 1/23/42 RTUSA Sept. 27/4
BLACKBURN Roc I One Bristol Perseus III	905/8500 745/8500 850	225/17500/-	25.6/15000 18200	-	650/130/-	110	None	6167 8042	46'2" 35'7" 312 Sq. Ft.	4-303-600	None MID-CHI 11/7/42
BLACKBURN Skua I One Bristol Perseus III	905/8500 745/8500 850	225/8700/-	22.1/15000 19100	-	500/130/- 600/130/- 600/130/-	196 196 111	None 500 500	5940 8330 8376 8412	46'2" 35'7" 312 Sq. Ft.	5-303-600 Pilot's Armor only	MID-CHI 11/7/42
BOLTON PAUL Defiant One BR-Merlin III	900/12250 1030/16250 860	304/17000/-	8.5/15000 30000	1500 2510	380/130/- 465/250/-	125 125	None None	5938 7718	39'11" 35'0" 224 Sq. Ft.	4-303-600	Armor L.P. Tanks S.A.C. 5/12/42
BOLTON PAUL Defiant One BR-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	39'11" 35'0" 224 Sq. Ft.	4-303	S.A.C. 5/12/42
BRISTOL Beaufighter Two Bristol Hercules XI	1200/14000 1510/11250 1590	324/11750/-	- 30000	1785 2580	1515/226/-	660	None	13931 2120	57'10" 41'6" 451 Sq. Ft.	4-20mm.-283 6-303-1000	Armor L.P. Tanks S.P. Glass M.A.P. Dayton SAC 11/8/42
BRISTOL Beaufighter Two BR-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.P. Tanks S.P. Glass M.A.P. thru Dayton SAC 11/8/42
BRISTOL Beaufighter Two Bristol 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 S.P. Glass M.A.P. thru Dayton SAC 11/8/42
DeHAVILLAND Mosquito Two BR-Merlin III	1180/18000 1170/21000 1280	380/22000/-	7.7/20000 29500	2175 2535	1205/210/-	183	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 BR-Griffon II	1365/17000 1580/19000 1795	358/21000/-	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 RTUSA Sept. 27/4

NOTES: * Estimate
 AG-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, FOREIGN

AIRPLANE CHARACTERISTICS & PERFORMANCE PAGE 2

REVISION 1 November, 1943

DATE

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 ENG. OUT	T. O. & LAND T. O. OVER OF OBS. LAND OVER OF OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL. -EAS. OF SWM. PER GUN	COMBAT PROT. TYPE	REFERENCE		
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					SOFT NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT
FAIRY Fulmar II One RR-Merlin 30	1210/7250 1260/3750 1300	264/9600/- 75	20.3/20000 21000	- -	925/150/- -	166 -	None 500	7575 9960	40'0" 40'4" 378 Sq. Ft.	8-.303-1000 or 4-.50-360	Armor L.P. Tanks B.P. Glass	W.D. 481 11/7/42
HAWKER Hurricane IIB One RR-Merlin XX	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1250 1920	- 510/170/- 355/221/-	- 116 116	- None None	5290 7200 7200	40'0" 31'5" 256 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	- 480/211/-	- 116	- None	5655 7580	40'0" 31'5" 256 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Sect. ETCUSA Rept. No. 274 10/29/42
HAWKER Hurricane IID One RR-Merlin XX	1180/18000 1170/21000 1280	313/22000/- -	- 31600	- -	- 460/210/-	- -	- None	- 7656	40'0" 31'5" 256 Sq. Ft.	2-.303-600 2-4mm.-16	-	Air Tech. Sect. ETCUSA Rept. No. 274 10/29/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/23000 2000	450/26000/- -	6.7/20000 36800	1965 2460	- 827/217/-	- 230	- 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 Iris-Centaurus IV	- 1780/18250	420/19000/- -	7.2/20000 36800	1830 2445	- 996/217/-	- 230	- None	8105 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	1675/16250 1800/16250 2010	414/21000/- 88	7.5/20000 31600	2600 2220	610/238/- 410/544/-	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. 10/24/41 Cable 6/16/41
MARTIN-BAKER One Napier Sabre II	1675/16250 1800/16250 2010	430/15000/- -	- -	- -	1 3/4 hr. endurance	- -	- -	- -	37'0" -	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	- -	- 500/212/-	- 102	- None	- 6212	36'10" 30'0" 212 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 6460	36'10" 30'0" 212 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
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CONFIDENTIAL MONTHLY CHART BRITISH FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 3

REVISED DATE: 1 November, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. ML./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH ALT./HP LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 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 AVM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				
SUPERMARINE Spitfire VU One RR-Merlin 11V	1200/16000 1235/17750 1185	369/19500/-	7.0/20000 36500	-	1085/206/- 1714/-/-	-	5067 6737	4-20mm.-120	Armor L.P. Tanks	Air. Tech. Sec EGUSA 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	732/233/-	114	6031 8000	4-303-350 2-20mm-135	Armor L.P. Tanks S.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	7150	4-303-350 2-20mm.-120	Armor L.P. Tanks S.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire XI One RR-Griffon II	1675/16250 1800/16250 3010	391/18000/-	33500	1980 2160	500/249/-	156	9100	6-20mm.-120	Armor L.P. Tanks S.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	1560/245/-	564	13035 16700	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	10115 10222	4-20mm.-60 or 12-303-	Armor L.P. Tanks S.P. Glass	B.A.C. 5/12/42
BRISTOL BLENHEIM IVF Two Mercury IV	825/14000	280/12000/-	14/15000 24200	-	-	-	9236 14100 12560	4-303-500 1-303-400 1-303-	-	Air Info. Div. Navy Dept. Wash. D.C. 8/13
DeSAVILLAND Mosquito I Two Merlin 73	1560/12000 1370/24000	417/25000/-	40000	-	-	-	11421 19700	4-303-500 4-20mm-150	-	AS ABOVE

NOTES:
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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH COMPARIMENT

PAGE 4

REVISED
DATE 1 November, 1943

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 ENGS OUT	T. O. & LAND T. O. OVER OR OBS LANDING OR OBS	RANGE with FUEL & POWER		FUEL with BOMBS	WEIGHTS WT. EMPTY WEIGHT GROSS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-DIA. OR AMM PER GUN	COMBAT PROT. TYPE	REFERENCE
					NORMAL FLIGHT (WITH MAX. BOMBS)	MAXIMUM FLIGHT (WITH MAX. BOMBS)						
ARMS. -WHITWORTH Whitley V Two RR-Merlin X	80/13000 1010/17750 1075	325/17000	127.5/15000 1000	-	1935/17000 1765/17000 1765/17000	-	1700 1500 1700	10745 32000	50'0" 50'0" 1255 sq. ft.	1-700-500 1-500-1000	-	Air Tech. Sec. STGUSA Sept. No. 27 10/25/42
AVRO Lancaster I Four RR-Merlin IX	1100/14000 1170/14000 1200	280/20000	17.7/15000 a. 25000 b. 29500	2500 2500	3000/17000 2510/17000 1130/17000	3030 2990 1933	None 1400 1400	53000 50000 50000	112'0" 107'0" 1207 sq. ft.	1-100-2500 1-100-1500 1-500-500	Armed L.P. Tanks L.P. Glass	A.S./S.O.T.I. S.A.P.
AVRO Lancaster II Four Brit. Hercules VI	1300/13500 1530/15000 1610	201/15000	25/15000 a. 21000 b. 25000	3000 400	3950/13000 2500/13000 1075/13000	3030 2550 1900	None 2000 1400	50000 45000 45000	110'0" 107'0" 1200 sq. ft.	1-100-2500 1-100-1500 1-500-500	Armed L.P. Tanks L.P. Glass	A.S./S.O.T.I. S.A.P.
BRISTOL Beaufort I Two Bristol Taurus VI	85/11500 1130/15000 1065	270/20000	19500	-	1765/13000	-	500	10000	50'0" 50'0" 500 sq. ft.	1-500-1000 1-500-1000	-	Air Tech. Sec. STGUSA Sept. No. 27 10/25/42
BRISTOL Blenheim IV Two Bristol Mercury XV	100/13000 1100/15000	250/17000	7/10000 7000	-	1110/17000 730	780 533	1100 1600	11000 14000	40'0" 40'0" 300 sq. ft.	1-500-1000	Armed L.P. Tanks	Acroplane 3/25/40 S. L. A 3/25/41
BRISTOL Blenheim V Bristol Mercury XV	100/13000 1100/15000	250/17000	14500	-	1230/17000	-	1000	17000	40'0" 40'0" 300 sq. ft.	1-500-1000	-	Air Tech. Sec. STGUSA Sept. No. 27 10/25/42
BRISTOL Buckingham Two Brit. Hercules VI	1000/13000 1100/15000	320/19250	15.0/15000 a. 25000 b. 27200	1000 2400	2500/14500 1670/14500 1670/14500	1800 1360 1360	None 4000 4000	21200 20000 20000	71'0" 68'0" 710 sq. ft.	1-500-1000 1-500-1000	-	A.S./S.O.T.I. S.A.P.
DE Havilland Despatch IV Two RR-Merlin XII	1170/12000 1170/12000 1200	370/22000	1/12000 2000	2650 3000	1720/-/- 1610/-/-	513 43	2000 2500	20500 21100	50'2" 51'2" 450 sq. ft.	None	Armed L.P. Tanks L.P. Glass	S.T.M. #11 Can. Canada
FAMILY Mustang One Brit. Hercules XII	85/13750 1130/15000 1305	170/12000	10.3/10000 14000	-	790/11100 600/10500	334 334	None 1500	7100 10100	50'0" 50'0" 607 sq. ft.	1-500-1000 1-500-1000	Armed L.P. Tanks	MID-81 11/7/42
ONE Mustang One RR-Merlin XII	1200/13750 1300/15000 1330	200/11000	6.7/6000 21000	-	650/13000	-	1610	9120 13177	49'2" 50'5" 414 sq. ft.	1-500 1-500-600 (auxiliary only)	-	Air Tech. Sec. STGUSA Sept. No. 27 10/25/42

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 ME IV at Wright Field was 365/20,500 ft.
 AC-AIR CORPS
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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH GOVERNMENT

REVISED DATE 1 November, 1943

MODEL & MFR ENGINE	ENG. RATINGS NORMAL ALT. ML. CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH ALT. HP LANDING	CLIMB TIME TO FT SERV. CEIL. CHL.-10 ENGR. OUT	T.O. & LAND T.O. OVER OF OBE LAND OVER OF OBE	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RHS OF AMM PER GUN	COMBAT PROT. Type	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					None NORMAL MAXIMUM
FAIRY Swallow One Bris. Pegasus III or 30	750/1750	312/3500/-	11.5/1000 17000	-	**575/105.5 166/103.5	301 301	None 1500	510L 7853 9215	15'6" 36'4" 607 sq.ft.	2-303-600 L.P. Tanks only	11-11/42 11/7/42
HANLEY PAGE Halifax II Four Heinkel He 111	1100/12000 1170/21000 1200	350/3000/-	25.0/15000 4.2/3000	3800 2350	2360/195/- 1785/195/- 650/195/-	2815 2264 936	None 1250 13000	36255 52000 99000	93'0" 70'11" 1250 sq.ft.	10-303-1000 1200 Res. Secs. L.P. Tanks S.P. Glass	A.D./S.A.T.
HANLEY PAGE Halifax III Four Bris. Hercules VI	1300/13000 1530/17500 1340	370/3500/-	25.0/15000 4.15/3000	3700 2700	2610/-/- 1810/-/- 650/-/-	3090 2064 921	None 1450 13000	37700 63000 63000	92'10" 70'11" 1250 sq. ft.	10-303-1000 1200 Res. Secs. L.P. Tanks S.P. Glass	A.D./S.A.T.
HANLEY PAGE Hampden Two Bris. Pegasus XVIII	750/13000 850/15000 905	330/3000/-	26.5/15000 19000	3500	1730/-/- 700/-/-	765 376	2000 5000	22500 25500	60'2" 53'4" 737 sq.ft.	6-303 L.P. Tanks	S.A.C. 5/12/42
SHORT Shetland Four Bris. Comstarus 3 G.M.	1650/14000 2000/20000 2000	310/3000/-	4.7/5000 4.125/3000 4.17000	-	3620/-/- 2920/-/- 1130/-/-	7000 5600 2500	None 14000 24000	71000 120000 120000	150'6" 110'9" 2636 sq.ft.	4-50-1000 L.P. Tanks S.P. Glass	A.D./S.A.T. S.A.P.
SHORT Stirling I Four Bris. Hercules VI	1200/13000 1510/17500 1300	300/3000/-	34.5/15000 4.15/3000 4.22900	1200 3300	2165/200/- 2050/200/- 915/200/-	3250 2706 1392	2250 5750 14000	13200 70000 70000 70000	92'10" 87'10" 1160 sq.ft.	6-303-1000 L.P. Tanks L.P. Glass	A.D./S.A.T. S.A.P.
SHORT Stirling III Four Bris. Hercules VI	1300/13500 1530/17500 1340	300/3000/-	34.5/15000 4.17000 4.22900	1200 3300	2165/200/- 2015/200/- 800/200/-	3250 2706 1314	1500 5000 14000	13200 70000 70000 70000	92'10" 87'10" 1160 sq.ft.	10-303-1000 L.P. Tanks S.P. Glass	A.D./S.A.T. S.A.P.
SHORT Sunderland III Four Bris. Pegasus XVIII	750/13000 850/15000 905	330/3000/-	4.7/5000 4.11700 4.15600	9900	2970/-/- 2300/-/- 1385/-/-	3060 2566 2235	None 1500 4000	31817 52000 52000 52000	112'10" 85'4" 1627 sq.ft.	6-303-1000 1-303-700 L.P. Tanks S.P. Glass	A.D./S.A.T. S.A.P.
SHORT Sunderland IV Four Bris. Hercules XVII	1075/12000	300/3000/-	4.3/5000 4.14500 4.19000	6600	3135/-/- 2845/-/- 2045/-/-	3000 3700 3450	None 1400 1200	43010 73350 73350 73350	112'10" 85'4" 1627 sq.ft.	6-303-1000 1-303-700 L.P. Tanks S.P. Glass	A.D./S.A.T. S.A.P.
VICKERS Warwick I Two P.W. Wasp G1A-2	1500/11000	310/3000/-	16.0/15000 20000	4500 3300	1780/180/- 1460/180/- 845/180/-	1460 1223 752	5275 5275 8000	22750 16000 16000 16000	98'8" 72'4" 1000 sq.ft.	4-303-2000 1-303-1000 2-303-500	A.D./S.A.T. S.A.P.

NOTES:
 a. Service ceiling at maximum weight
 b. Service ceiling at mean weight
 AC-AIR CORPS
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 C-PRELIMINARY FLIGHT TEST

Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL **MONTHLY CHART** **BRITISH, BOMBARDMENT**
BRITISH, BOMBARDMENT **AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 6

REVISED DATE: 1 November, 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 7000 SERV. CEIL. CEIL.—12 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)	BOMB NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/18400 -	271/20000/- -	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 2-303- 500	- - -	A. D./R. D. T. 1 M.A.P.
VICKERS Wellington Ia Two Bris. Pegasus XVIII	750/14750 855/15000 965	235/15500/- -	25/10000 15000	- -	2550/165/- 1305/165/- 1200/165/-	- - -	1000 2750 4500	18800 - 30000	86'0" 60'10" 830 Sq. Ft.	6-303-1000	-	Air Tech. Sec STUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two RR-Merlin X	960/13000 1010/17750 1075	214/17000/- -	33.5/15000 13000	4050 -	- 1580/195/- -	- 900 737	- 3500 4500	20050 - 32000	86'0" 60'10" 830 Sq. Ft.	4-303-1000 2-303- 500	Yes	S. A. C. 5/14/42
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" 870 Sq. Ft.	8-303-1000	-	Air Tech. Sec STUSA 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. 1 M.A.P.
VICKERS Wellington I Two Bris. Hercules VI	1300/13500 1530/15500 1610	265/15500/- -	22.0/15000 a. 20500 b. 21000	2850 2550	2110/185/- 1490/185/- -	1236 900 -	1500 4500 -	21110 - 31500	86'0" 60'10" 830 Sq. Ft.	6-303-1000 2-303- 500	-	A. D./R. D. T. 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

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MONTHLY CHART

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 7

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AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 November, 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 SPEEDS % POWER		NO. OF BOMBS MAXIMUM	WT. EMPTY WEIGHT WEIGHT	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)						
BELL P-400 "AIRACORRA -1" One P-1710-31	1000/11000 1150/11800 1150	358/2100	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	-	5878 7982 7835	34'0" 29'9" 213 Sq. Ft.	1p. 30-1000 2-.50- 270 2-20mm- 60	-	AAEE-774 & AFIU-No. 34
CURTISS BK-81A "TOMAHAWK I" One P-1710-3-15	-	-	-	-	-	-	-	-	-	2-.50 1p. 300	-	AAEE-763,a
CURTISS BK-81A "TOMAHAWK II" One P-1710-315	-	343/16000 83	7.7/15000 21400	1320	-	158 101	-	- 7068 - Test	-	2-.50 1p. 30	-	AAEE/763
CURTISS BK-77A "KITTYHAWK I" One P-1710-938	1000/11000 1150/11800 1150	332/14400 322/16200	14.2/20000 28700	-	# b 1060/ - / - b 650/ - / -	199 148	-	5973 8866 8180	37'14" 31'9" 236 Sq. Ft.	6-.50-21600	-	AAEE/783
CURTISS BK- "KITTYHAWK II" One P-1650-1	1010/16000 1120/18500 1300	354/20400	10.9/20000 34300	-	-	209 158	-	6482 8910	-	-	-	AAEE/783,a
DOUGLAS DB-7 "HAWK I" Two P-1830-3301g	1000/12500 1050/13100 1200	-	-	-	-	326	-	11775 15332	61'14" 47'3" 465 Sq. Ft.	-	-	-
DOUGLAS DB-7 "HAWK II" Two P-2600-45B	1275/11500 1600	329/13000	-	2610 **	-	326 458	-	11114 17741 18751	44'10"	-	-	AAEE/771
GRUMMAN G-36 "MARTLET I" One P-1820-9205A	900/15200 1200	-	-	1560	-	-	-	-	-	1p. 50-	-	AAEE/762
GRUMMAN G-36 "MARTLET II" One P-1830-3301g	1000/12500 1050/13100 1200	-	-	1710	890/ - / -	160 130	-	5499 7790 7550	38'3" 29'1" 261 Sq. Ft.	6-.50-225	-	AAEE/764,a
GRUMMAN G-36 "MARTLET III"	-	NO DATA AVAILABLE	AVAILABLE	-	-	-	-	-	-	-	-	-

NOTES:

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

**-Tested with jettisonable fuel tank Gr. Wt. 8810#
***-At 17500# and 0° flap
b-Allowance made for warm up, take off, etc.
#-Still air range.
a-Another test at 7300# gave 331 MPH
#-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 BRITISH - FIGHTERS (U.S. BUILT)
 AIRPLANE CHARACTERISTICS & PERFORMANCE

MODEL & MFR.	ENGINE	CONT. NO. PLANES	ENGIN RATINGS NORMAL ALT. HIG. ALT. ALT. TAKE-OFF & L.	SPEEDS HIGH ALT. HP LANDING	CLIMB TIME TO FT. SERV. CEIL. 10000-15000 ENGIN DET.	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 CALIBRE OF MML PER GUN	COMBAT HEIGHT TYPE	REFERENCE
							MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
GRONKLE	-	-	-	-	-	-	-	-	-	5591	-	-	-
BAKELITT 17	-	-	-	-	-	-	-	144 (U.S.)	-	7760	-	-	-
One B-1120-2/30-3	-	-	-	-	-	-	-	-	-	-	-	-	-
BRITISH AIRCRAFT MANUFACTURING CO. LTD.	1300/11000 1150/11800	-	370/15000	7.5/15000 8000	1930	960/-/-	155 (U.S.)	-	-	8625	-	-	-
One B-1120-2/30-3	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- AC-AIR CORP'S
- DA-DEFENSE AID
- PO-PURCHASE ORDER

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

- 1-FACTORY PERFORMANCE NOT RUN AT FACTORY
- 2-OFFICIAL PERFORMANCE SUBJECT NO
- 3-FLYING PERFORMANCE SUBJECT NO

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

BRITISH - BOMBARDMENT (U.S.)

DATE: 1 September, 1943

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 ENGA. 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 TOTAL LBS. OF AMM. PER GUN	COMBAT PROT. REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				WT. EMPTY WEIGHT WEIGHT
LOCKHEED 444 "HUDSON III" Two B-1820-G205A	900/15200 1200	253/15100	- -	2100 -	13 hrs. 7.5 hrs.	896 644	- 1080	- -	65'6" 44'3" 551 Sq. Ft.	3-303-1500 3-303-2000 3-303-2000	AAE/750, 8
LOCKHEED 444 "HUDSON IV" Two B-1830-SC36	- -	260/10000	12.0/10000	2620 -	- -	- -	- -	- -	- -	- -	AAE/750, 1
LOCKHEED 444 "HUDSON V" Two B-1830-G301-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	20000 Test	- -	- -	- -
LOCKHEED VEGA 37 "VICTORA" Two B-2600-S1A1G	1500/7500 1850/2700 1850	- -	- -	- -	- -	- 565	- 2500	17168 26700	- -	4-303-1000 2-303-750 2-303-250	AAE/750
MARTIN 167 MANTLAND I Two B-1830-SC30	900/12000 1050/7700	294/9000 80	12.1/15000 2750	1560 -	1870/179/ - -	750 U.S. -	- -	11000 17890 15870 17890 Test	61'4" 46'8" 542 Sq. Ft.	6-303-500	AAE/750
MARTIN 167 MANTLAND 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-A5B5	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
MARTIN 187 BALTIMORE III Two B-2600-A5B5	1275/11500 1600	301/10100	10.5/11000 2350	- -	770/ - / - -	- 188	- 2000	- 20330	- -	- -	AAE/750, 2
NORTH AMERICAN W40 MITCHELL I Two B-2600-9	1350/13000 1149/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	AAE/750

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

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
 CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - EQUIPMENT (U.S. BUILT)

PAGE 10

DATE: 1 November, 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRUISE ALT. TAKE-OFF S. L.	SPEEDS EDG. ALT. S.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL. - 1/2 ENGS. OUT	T.O. & LAND T.O. OVER 10 OBS. LAND OVER 10 OBS.	RANGE with B SPEEDS & POWER			FUEL with BOMBS	WEIGHTS WT. EMPTY WEIGHT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CAL. - DIA. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM						
BOEING 299T "MONTRESS II" Four B-1820-65	1000/25000 1200/25000 1200	300/25000/-	15.1/15000	2850 2160	2650/190/- 2250/190/- 1815/190/-	3520 2120 1735	- 3700 7400	20665 - -	- - -	2- 50-120 2- 50-600 2- 50-200 2- 50-	- -	AARE/770, A and AI/818T	
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE								
CONSOLIDATED 1B-30 "LIBERATOR I" Four B-1830-336L8	1000/12500 1050/11100 1200	- -	- -	2800	- -	- -	- -	- -	110'0" 66'0" 104 Sq. Ft.	- -	- -	AARE/769	
CONSOLIDATED 1B-30 "LIBERATOR II" Four B-1830-336L8	1000/12500 1050/11100 1200	250/11200/-	- -	- -	2200/-/- -	- -	8000 -	- 56000	- -	1- 303-500 + 500 res. 1- 303-2200 1- 303-1000 2- 313- 500	- -	R. F. D. C. No 44	
CONSOLIDATED 1B-30 "LIBERATOR III" Four B-1830-43	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3685	3000/-/- 2180/-/- 1540/-/-	3120 2270 1610	None 1400 8000	33500 -	- -	- -	- -	AARE/769, A	
DOUGLAS DB-7 "BOSTON I" Two B-1830-8C39	900/12000 1000/11500 1050	307/10000/-	15/20000	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. 2855 b.	600/170/- 800/170/-	512 382 526	- 2000 2000	15718 23000 21550 22100	61'1/4" 47'3" 465 Sq. Ft.	1- 303-500 1- 20mm-60 2- 303-500	- -	AARE/752, 3	
LOCKHEED 214 "HUDSON I" Two B-1820-2102A	900/6700 1100	750/8000/-	- -	2970	- -	- -	- -	- 20500 - test	- -	- -	- -	AARE/739	
LOCKHEED 414 "HUDSON II" Two B-1820-2102A	900/6700 1100	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	AARE/	

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
- 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 November, 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. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NOSE NORMAL MAXIMUM					
NORTH AMERICAN NA-90 MITCHELL II Two B-2500-13	1350/13000 1160/12000 1700	294/14800	10.8/15000 26700	- -	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.30 -	-	AARE-794A
VOUGHT SIKORSKY V-156 CHECAPAKE I One B-1535-SB40	750/9800 825	222/4700	20.0/10000 15000	2300	1170/-/-	215 (U.S.)	500	9040	- -	4-.30- 1-.30-1400	-	AARE-773
VOUGHT-SIKORSKY KINGFISHER I One B-265-AH-2	- -	** 163/3900	** 29.2/10000 11600	** 2130	- 730/106/- 440/106/-	244 100 80	- -	3620 4990 5435	- -	1-.30-500 1-.30-600	-	AARE-750
WALTER VENGEANCE I One B-2600-A5B-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	0-.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

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DATE: 1 November, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRE. ALT. TAKE-OFF S. L.	SPEEDS HORIZ. ALT. / LANDING	CLIMB 1000 FT. / MIN. ALT. TIME TO ALTITUDE	T. O. & LAND T. O. OVER OF OHA. LAND OVER OF OHA.	RANGE with SPEEDS & POWER		FUEL with	BOMBS at	WEIGHTS	DIMENSIONS SPAN WING AREA	ARMAMENT CALIB. - QTY. M.M. - QTY.	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. GROSS)	MAXIMUM NORMAL (WITH MAX. GROSS)	NONE NORMAL MAXIMUM	WT. EMPTY (GROSS WEIGHT GROSS WEIGHT)					
DOCK-WULF 190A-1 (1) BMW - 801D FIGHTER	1150/- 1500/11000 1995/S.L.	375/17000 135	6.25/18000 3000 NONE	2350 2700	820/220/- 380/235/- 140/250/-	- - -	216 138 138	NONE NONE NONE	6210 4200 6600 9800	34'6" 29'2" 305 sq. ft.	2-7.9mm-1000 2-20mm - 250 2-20mm - 60	ALL	TECH. DATA FILES
DOCK-WULF 190A-4 (1) BMW - 801D-2 FIGHTER NUMBER	- 1755/2250 1695/S.L.	380/19000 -	10.25/18000 4500 NONE	- -	870/270/- -	- -	266 138 138	NONE 550 1100	- 10350 -	34'6" 29'2" 305 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 3000 -	2310 2095	1620/213/- 800/230/- -	- -	948 444 -	NONE -	21000 27800 25000	66'0" 117'0" 390 sq. ft.	2-20mm-100 2-7.9mm-1000	ALL	"
MESSERSCHMITT ME-109# 4 (1) DAIM. BENZ. DE-601E FIGHTER	1220/15000 1390/11500 1395/S.L.	390/22000 -	5.7/18000 3900 3.38	1800 2100	1050/205/- 600/205/- 540/200/-	- -	185 185 105	NONE - 550	4210 EST. 5680 5280 7000	32'6" 29'3" 172 sq. ft.	2-7.9mm-500 1- 20mm-200	ALL	"
MESSER: ME-109G2,4,6 (1) DAIM. BENZ. DE605A FIGHTER	1330/16000 1520/15000 1165/S.L.	395/22000 -	6.1/18000 3750 NONE	1800 2100	1020/210/- 125/210/- 535/210/-	- -	185 105 105	NONE - 550	4685 7250 6670 7300	32'6" 29'3" 172 sq. ft.	2-7.9mm-500 1- 20mm-200 (7-20mm. OPTIONAL)	ALL	"
MESSERSCHMITT 110F (2) DE-601F FIGHTER	1220/15000 1390/11500 1395/S.L.	355/20000 95	5.1/18000 3350 -	1900 1800	1130/200/- 920/200/- -	- -	288 336 -	NONE NONE 615	9900 20500 15500 20500	33'9" 29'3" 415 sq. ft.	1-7.9mm-1000 2-7.9mm-750 2-20mm -180	ALL	"
MESSER: ME-210A,B,C,D (2) DAIM. BENZ. DE-601F 2 ENGINE FIGHTER	1220/15000 1390/11500 1395/S.L.	368/20000 95	10.2/16500 2850 -	- -	- 1700/227/- 1280/320/-	- -	894 660 660	NONE NONE 1100	15500 23900 20850 21350	33'9" 29'3" 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

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE 1 November 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALL MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. -1.3 ENGS. OUT	T. O. & LAND T. O. OVER 29 OBS. LAND OVER 29 OBS.	RANGE with SPEEDS & POWER			WEIGHTS EMPTY GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE TECH DATA FILES	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM						
<u>JUNKERS JU-217E</u> (2) EN - 801A SCHNEIDER	1365/11250 1125/17750 1530/ S.L.	310/17000	21/17000 23500	1250	2150/220/- 1010/255/- 960/215/-	1650 780 780	NONE 1100 5600	22500 34000 32000 31000	60'5" 56'5" 590 Sq. Ft.	1-20mm-50 2-7.9-1000 or 1-7.9mm - 2-13mm-150	ARMOR	TECH DATA FILES	
<u>FUCKE-WULF 200K</u> (4) BRAMC-PAPNIR "323R" KUMMER	765 /11000 940/ 12000 985 / S.L.	235/13000	11.7/15000 21500	-	2130/170/- 1250/170/- 1110/215/-	2112 1105 1004	3300 3300 11000	47200 - 50500	108'0" 78'0" 1800 Sq. Ft.	2-20mm-200 4-7.9mm-500 2-13mm-150	ARMOR	"	
<u>HEINDEL 111E</u> (2) DB-601A KUMMER	850/15250 1035/13100 1065/ S.L.	274/12300	16/15000 23600	2200 1600	2610/230/- 1500/215/- 1290/195/-	1321 912 842	NONE 1100 5200	11100 25600 25300 31000	73'10" 53' 8" 910 Sq. Ft.	1-20mm-200 5-7.9mm-500 1-13mm-365	ALL	"	
<u>HEINDEL 177</u> (2) DAM-HEINDEL-200 KUMMER	2350/15000 2700/11000 2550/ S.L.	295/17000	32/17000 21000	-	3150/225/- 1315/235/-	3700 1740	2200 - 15800	36000 - 67000	103'9" 87'5" 1100 Sq. Ft.	(EST.) 6/10-20mm- 150	ARMOR	"	
<u>HEINDEL HE-109</u> (2) GUMM-HEINDEL KUMMER	660/13100 800/9000 800/ S.L.	275/9000	7/10000 21000	3000 1500	690/150/- 520/130/-	210 160 160	220 220 770	9500 - 11100 12000	41'6" 33'4" 295 Sq. Ft.	2-7.9mm-1000 2-20mm-200 1-10mm-30	ALL	"	
<u>JUNKERS JU-52/3M</u> (3) EN - 136A TRUP TRANSPORT	860/ S.L.	145/S.L.	- 21000	1930 1800	790/132/- 570/132/-	410 435	- 22 7500PS	23100 - 23100	95'10" 62'0" 1130 Sq. Ft.	5-7.9mm-	RUSS	"	
<u>JUNKERS 86P-1</u> (2) JUNKERS JU-207A PREPA. CABIN KUMMER	800/22000 1000/25000 1000/ S.L.	290/50000	- 12000	1800 2300	1700/-/- 1500/215/-	610 580	NONE 1750 2200	- 22000 -	78'0" 57'0" 300 Sq. Ft.	-	NONE	"	
<u>JUNKERS 371</u> (1) JUNKERS JU-211D KUMMER	1175/11000 1300/12500 1360/ S.L.	225/12500	11/12500 18500	-	3220/180/- 730/180/- 520/185/-	360 201 201	NONE 2200 1100	8900 11500 12600 11300	30'4" 36'0" 335 Sq. Ft.	1-7.9mm-1000	ALL	"	
<u>JUNKERS 32A-5</u> (2) JUNKERS JU-211P KUMMER	1075/13500	273/11000	11.8/12500 26000	3000 1810	1450/214/- 1195/230/- 940/225/-	1140 770 440	NONE 2200 4400	26500 25000 27600	66'0" 49'0" 590 Sq. Ft.	1-20mm- 7-7.9mm-	ALL	"	
<u>JUNKERS JU88E</u> (2) EN 601 SCHNEIDER	1365/11250 1125/17750 1530/ S.L.	310/17000	- 30000	-	1600/-/- 1160/260/-	- 766	- 7200	- -	- -	- -	- -	- -	"

NOTES: * ESTIMATED
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MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

PAGE 11

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JAPANESE AIR FORCE

(REVISED)
DATE: 1 November, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF'S L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. 9000' 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 WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					with SPEEDS % POWER	with NORMAL MAXIMUM	with NONE NORMAL MAXIMUM					
TYPE 97 SSF KATE ONE HIKARI FIGHTER	800/ 13000	280/13000/-	3600 FPM 33000'	-	800/200/- 440/233/-	161* 80	-	3250 5000 4400	35'7" 24'4"	1-7.7mm - 550	NONE	For. Equip
TYPE 0 SSF ZEKU ONE NAKAJIMA SAKAE 12 NK-1 FIGHTER	950/ 13750	326/16000/-	2750/ S.L. 36500'	-	1480/149/- 895/146/-	225* 139	-	3718 6136 5555	39'5" 29'7" 248 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. 40200'	-	1680/146/- 1180/153/-	228* 141	-	3913 8331 5750	36'6" 29'8" 238 Sq.Ft.	2-7.7mm - 500 2-20mm -60	NONE	" "
TYPE 1 SSF OSCAR TYPE 99 FIGHTER	993/ 15000	315/15000/-	35000'	-	1225/175/-	257* 148	-	3385 4785	37'0" 29'12" 233 Sq. Ft.	2-13mm-220	L.P. (Ineffective) 50mm MISS.	" "
TYPE 99 D/B VAL ONE KINSEI 14 DIVE BOMBER	1060/ 6500	220/ 7500/-	27000'	-	1320/140/- 875/190/-	313 271	814	5900 8070	48' 37'	3-7.7mm -	NONE	" "
TYPE 97 T/B KATE ONE NAKAJIMA SAKAE 11 TURP. BOMBER	1000/ - / -	230/10000/-	24000'	-	1380/130/- 650/130/-	- -	800 1760	4830 8392	52' 34'	2-7.7mm - 500 1-7.7 - 300	NONE	" "
TYPE 97 M/B SALLY TWO KINSEI MED. BOMBER	870/ 10000/-	270/10000/-	2.1/33000'	-	2110/150/- 1200/180/-	810 660	2000 4400	- -	72' 52'	7-7.7mm - (300-700 Rds.)	NONE	" "
TYPE 1 M/B BETTY TWO KASU 15 MED. BOMB	1100/ - / -	288/13500/-	30000'	-	3000/180/- 1800/180/-	1355* 79	1760	14722 27500 20442	62'11" 56'11"	3x7.7mm -300 1x 20mm - 90	L.P. (Ineffective)	" "
TYPE 0 SSF F/P RUPE ONE NAKAJIMA I SAKAE 12NK-1 SEAPLANE FIGHTER	950/13750/-	280/16000/-	2500/ S.L. 36500'	-	1480/149/- 895/146/-	** 225 139	-	4115 6436 5920	39'5" 33'2" 248 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'	-	-	-	-	4192 5623	37' 26'6"	2x7.7mm- 500 117.7mm -700	NONE	" "

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JAPANESE AIR FORCE

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JAPANESE AIR FORCE

REVISED DATE: 1 November, 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. ML./CRIT. ALT. TAKE-OFF/CL. V.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. -1.1 ENGS. OUT	T. O. & LAND T. O. OVER 10' OBS. LAND OVER 10' OBS.	RANGE with SPEEDS % POWER			WEIGHTS DESIGN GROSS HEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	FUEL with MAXIMUM NORMAL (WITH MAX. BOMBS)	BOMBS at NONE NORMAL MAXIMUM					
TYPE 97 F/B NAVID FOUR-KINSEI 45 FLY BOAT	- 300/13000/-	160/13000/-	- 26000	- -	2600/110/- 1900/127/- 1750/110/-	2390 1747 1747	- - 3500	25000 50000 44100	131' 82'	4-7.7mm 1-20mm	NONE	FOR-EQUIP.
TYPE 99 L/B LILY TWO-RADIAL LIGHT NUMBER	N O	D A T A	-	-	-	150	- 1500	- -	57'10" 42'0"	4-7.7	NONE	"
TYPE C/R DINAH TWO-RADIAL RECONNAISSANCE	1000/- / -	315/23000	- -	- -	- -	- -	- -	- -	50'10" 36'0"	NONE	NONE	"
TYPE 3-SSP TONY ONE - IN LINE SINGLE SEAT FIGHTER	- -	360/18000	- -	- -	1050/- / - 700/- / -	216 186	- -	6650 5800	38'10" -	2-12.7- 2- 7.7-	ARMOR	"

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RUSSIAN AIR FORCE

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DATE: 1 November, 1943

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 ENGR. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS & POWER			WT. EMPTY WEIGHT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-NOS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAL. BOMBS)	MAXIMUM NORMAL (WITH MAL. BOMBS)	NONE NORMAL MAXIMUM					
1-16 M-63 Engine Fighter	- - 1000	290/13000/- -	- 22000 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 36000 None	- -	641/273/- -	- -	- -	- -	33'2" 24'4" 191 Sq. Ft.	1- MG	-	M.I.D. 10/10/40
MI-3 M-35 Engine Fighter	1200/19680 -	390/21000/- -	- 35000 None	- -	350/330/- 125/201/-	- 105 105	- -	6000 6500	28'6" 22'0" -	2-7.6 mm 1-12.7 mm	Armor	M.I.D. 9/16/41
IL-2 (Stormovik) Five Bomber	1150/92000 -	270/10000/- -	- -	- -	- -	- -	- -	- -	- -	2-20 mm 2-7.6 mm	Armor L.P. Tanks B.P. Glass	M.I.D. 10/8/41
IB-6 Four, M-10 Engines Heavy Bomber	- - 600	250/-/- -	24/13000 25000	- -	1250/-/- -	- -	- -	- -	- -	6 MG	-	M.I.D. 4/26/41
SB-3 Two, M-10 Engines Bomber	860/13780 -	260/-/- 69	20/26218 26218	- -	620/217/- -	441 -	1200 2200	10033	66'0" 11'0" 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-3P Two, M-37 Engines Bomber	950/14000 -	270/16000/- -	16/16100 26500	- -	2500/160/- 1180/230/- 1000/210/-	1000 808 510	3300 2200 6400	21750 18700 21750	70'0" 17'0" 708 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm-650	-	Air Win.
FE-2 Two, M-105 Engines Five Bomber	1000/12000 -	342/- -	- -	- -	- -	- -	1540 2420	- -	- -	2-7.6mm- 1-12.7mm-	-	O.F.I. 10/8/41
IB-7 Four, M-35 Engines Heavy Bomber	1200/19700 -	220/19700/- 80 (heavy) 55 (light)	- 32000	- -	- -	- -	- 8000	- -	132'0" 74'0" 2000 Sq. Ft.	2-7.6mm-1400 1-20mm-160 1-20mm-200 2-12.7mm-200	-	Tech. rep. NO. 203 7/6/42

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