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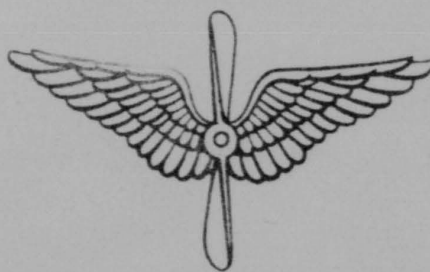
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FOREIGN

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

R1064



Classification changed to

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SEP 28 1945

E. S. JOHNSTON
Colonel, Infantry

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MATERIEL COMMAND, WRIGHT FIELD, DAYTON, OHIO

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MONTHLY CHART

BRITISH, FIGHTER

PAGE 1

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BRITISH, FIGHTER

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 October, 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 @ 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	NONE NORMAL MAXIMUM							
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2250	358/18000/-	11/20000 31600	1350	-	1025/238/-	200	-	None	9929 12350	50'0" 37'6" 370 Sq. Ft.	1-20mm.-60	-	ONI 1/23/42 STUSA Rept. 274	
BLACKBURN Roc I One Bris. Perseus III	905/6500 716/6500 830	223/7500/- 77	25.6/15000 14200	-	650/130/-	110	-	None	500	6167 8042	46'2" 35'7" 312 Sq. Ft.	1-303-600	None	MID-ONI 11/7/42	
BLACKBURN Skua I One Bris. Perseus III	905/6500 716/6500 830	225/8700/- 83	22.1/15000 19100	-	900/130/- 600/130/- 600/130/-	196 136 112	-	None	500 500	5940 8320 8376 8412	46'2" 35'7" 312 Sq. Ft.	5-303-600	Pilot Armor only	MID-ONI 11/7/42	
BOULTON PAUL Defiant I One RR-Merlin III	990/12250 1030/16250 880	304/17000/- 87	8.5/15000 30000	1500 2310	580/180/- 465/260/-	125 125	-	None	None	5938 7718	39'1/2" 35'0" 224 Sq. Ft.	1-303-600	Armor L.F. Tanks	B.A.C. 5/12/42	
BOULTON PAUL Defiant II One RR-Merlin IX	1180/18000 1170/21000 1280	335/22000/-	7.0/15000 34200	1350 2370	480/175/- 370/275/-	125 125	-	None	None	6187 7765	39'1/2" 35'0" 224 Sq. Ft.	1-303	-	B.A.C. 5/12/42	
BRISTOL Beaufighter I Two Bris. Hercules II	1200/14000 1510/11250 1990	324/11750/-	- 30000	1785 2580	1515/226/-	660	-	None	-	13931 21120	57'10" 41'6" 451 Sq. Ft.	1-20mm.-285 6-303-1000	Armor L.F. Tanks B.P. Glass	M.A.P. Dayton SAC 11/8/42	
BRISTOL Beaufighter II Two RR-Merlin IX	1180/18000 1170/21000 1280	329/20400/-	- 30000	2070 2505	1510/228/-	660	-	None	-	12895 20374	57'10" 41'6" 451 Sq. Ft.	1-20mm.-285 6-303-1000	Armor L.F. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42	
BRISTOL Beaufighter III Two Bris. Hercules VI	1300/13500 1530/15500 1610	333/15600/-	- 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 B.P. Glass	M.A.P. thru Dayton SAC 11/8/42	
DeHAVILLAND Mosquito VI Two RR-Merlin III	1180/18000 1170/21000 1280	380/22000/-	- 29500	2175 2535	1205/210/-	483	1000	-	-	19822	54'2" 41'2" 460 Sq. Ft.	1-20mm.-150 1-303-500	-	M.A.P. thru Dayton SAC 11/8/42	
FAIRY Firefly One RR-Griffon II	1365/17000 1380/19000 1735	358/21000/-	10.2/28000 30600	1950	700/202/-	-	-	None	-	8731 11372	44'6" 37'0" 328 Sq. Ft.	2-20mm.-175 2-20mm.-150	-	ONI 1/23/42 STUSA Rept. 274	

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

* Estimate

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACT 4Y
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

BRITISH, FIGHTER

DATE: 1 October, 1942

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MUL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL. -12 ENGS. OUT	T.O. & LAND T.O. OVER OF OBS. LAND OVER OF OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUN CAL. OR ANN. PER GUN	COMBAT PROT. TYPE	REFERENCE		
					MAXIMUM NORMAL (WITH MAL. BOMBS)	MAXIMUM NORMAL (WITH MAL. BOMBS)					NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT
FAIRY Pulsar II One HR-Merlin 30	1210/7200 1200/8750 1300	264/5600/- 75	20.3/20000 21000	- -	925/150/- -	186 -	None 500	7575 9960 -	46'0" 40'4" 378 Sq. Ft.	8-303-1000 or 4-50-500	Armor L.P. Tanks S.P. Glass	WID-081 11/7/42
HAWKER Hurricane IIB One HR-Merlin IX	1180/18000 1170/21000 1290	335/22000/- -	5.9/15000 36600	1260 1900	540/170/- 355/221/-	116 116	None None	5290 7200 7200	40'0" 31'5" 258 Sq. Ft.	10-303-500	Armor L.P. Tanks	S.L.C. 5/12/42
HAWKER Hurricane IIC One HR-Merlin IX	1180/15000 1170/21000 1290	327/20500/- -	- 36000	1770 2160	480/214/- -	116 -	None -	5655 7500 -	40'0" 31'5" 258 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Sect. STOUSA Rept. No. 274 10/29/42
HAWKER Hurricane IID One HR-Merlin IX	1180/15000 1170/21000 1290	313/22000/- -	- 34800	- -	460/210/- -	- -	None -	- 7656 -	40'0" 31'5" 258 Sq. Ft.	8-303-600 2-20mm.-16	-	Air Tech. Sect. STOUSA Rept. No. 274 10/29/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	460/26000/- -	- 36800	1965 2460	827/217/- -	230 -	None -	- 11600 -	- -	4-20mm.-	-	S.A.P. thru Dayton SAC 11/8/42
HAWKER Tempest II One Brits. Centaurus IV	- 1780/18250	420/19000/- -	- 36800	1830 2445	996/217/- -	230 -	None -	- 11550 -	- -	4-20mm.-	-	S.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 3220	610/238/- 410/314/-	124 124	- -	6537 10000 10000	41'0" 32'0" 279 Sq. Ft.	12-303-500 or 4-20mm.-150	Armor L.P. Tanks S.P. Glass	M.I.B. 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 HR-Merlin XLV	1200/16000 1235/17750 1185	375/19500/- -	5.2/15000 37600	- -	500/214/- -	102 -	None -	- 6212 -	36'10" 30'0" 212 Sq. Ft.	8-303-500	Armor L.P. Tanks S.P. Glass	AAF Dayton Flight Test
SUPERMARINE Spitfire VB One HR-Merlin XLV	1200/16000 1235/17750 1185	371/20000/- -	6.6/20000 37700	1200 1630	480/185/- 335/310/-	102 102	None None	6035 6160 6460	36'10" 30'0" 212 Sq. Ft.	4-303-500 2-20mm.-60	Armor L.P. Tanks S.P. Glass	S.L.C. 5/12/42

NOTES:

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

* Estimate
** At weight of 10635#
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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MONTHLY CHART

BRITISH FIGHTER

PAGE 3

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 October, 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	REFERE...CE
					SPEEDS % POWER		WT. EMPTY				
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					
SUPERMARINE Spitfire VC One ER-Merlin XLV	1200/16000 1235/17750 1185	369/19500/- -	- 36500 -	- -	1085/206/- 474/-/-	- -	None None -	36'10" 30'0" 242 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air. Tech. Sec ETUSA Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One ER-Merlin 61	1190/25000 1300/24000 1375	405/26500/- -	- 40250 -	2085 2220	732/233/- -	- 114	None None -	40'2" 31'4" 248 Sq. Ft.	4-303-350 2-20mm.-135	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One ER-Merlin 61	1190/25000 1300/24000 1375	406/26500/- -	402/15000 40750 -	1875 2160	472/228/- -	- 102	None None -	36'10" - 242 Sq. Ft.	4-303-350 2-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One ER-Griffon II	1675/16250 1800/16250 2010	391/18000/- -	- 33500 -	1980 2160	500/218/- -	- 156	None None -	40'6" - -	6-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Welkin Two ER-Merlin 61	1190/25000 1300/24000 1375	431/26000/- -	- 44000 -	1890 2850	1560/215/- -	- 564	None None -	- - -	6-20mm.-120	-	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Whirlwind Two ER-Percegrine I	860/13500 890/15000 855	338/15800/- -	8.4/28000 30000 -	1850 2250	590/190/- 370/305/-	163 103	None None -	8040 15'0" 32'3" 231 Sq. Ft.	4-20mm.-60 or 12-303-	Armor L.P. Tanks B.P. Glass	S.A.C. 5/12/42

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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BRITISH, BOMBARDMENT

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

PAGE 4

DATE: 1 October, 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 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
ARMS. -WHITWORTH Whitley V Two RR-Merlin I	960/13000 1010/17750 1075	225/17000/-	- 19000	- -	1935/170/- 1365/170/- 170/170/-	- -	1250 3500 7000	32000	84'0" 69'4" -	1-.303-600 1-.303-1000	-	Air Tech. Sec. PTUSA Rept. No. 274 10/29/42
AVRO Lancaster I Four RR-Merlin XI	1180/18000 1170/21000 1280	280/20000/-	18.5/15000 a. 25000 b. 29500	4200 2550	3000/185/- 2510/185/- 1130/185/-	3038 3556 1233	None 4250 12750	35300 60000 60000	102'0" 68'11" 1297 Sq. Ft.	1-.303-2500 1-.303-1000 2-.303- 500	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. I M. A. P.
AVRO Lancaster II Four Bris. Hercules VI	1300/13500 1530/15500 1610	291/15500/-	20/15000 a. 21000 b. 25000	3000 2400	2950/195/- 2450/195/- 1075/195/-	3038 3556 1200	None 3900 12750	37970 63000 63000	102'0" 68'11" 1297 Sq. Ft.	1-.303-2500 1-.303-1000 2-.303- 500	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. I M. A. P.
BRISTOL Beaufort I Two Bristol Taurus VI	985/3750 1130/3500 1085	270/5500/-	- 19500	- -	1785/155/-	- -	- 500	- 19080 #	58'0" 44'7" 503 Sq. Ft.	2-.303-400 2-.303-500	-	Air Tech. Sec. PTUSA Rept. No. 274 10/29/42
BRISTOL Blenheim IV Two Bristol Mercury XV	- 825/13000 920	266/15000/-	7/10000 27000	- -	1110/270/ 75%	- 720 333	- 1100 1600	8250 11400 11400	56'4" 42'9" 469 Sq. Ft.	1-.303	Armor L.P. Tanks	Aeroplane 3/29/40 M. I. L. 3/28/41
BRISTOL Blenheim V Bristol Mercury XV	- 825/13000 920	244/6000/-	- 19500	- -	1230/170/-	- -	- 1000	- 17040 #	56'4" 42'9" 469 Sq. Ft.	1-.303- 400 1-.303-1000	-	Air Tech. Sec. PTUSA Rept. No. 274 10/29/42
BRISTOL Buckingham Two Bris. Centaurus IV	- 1740/18250	330/19250/-	16.0/15000 a. 22500 b. 27200	4350 2400	3500/215/- 1670/281/- 1670/281/-	1890 1260 1260	None 4000 4000	21271 36800 36550 36550	71'9.6" 46'5" 710 Sq. Ft.	2-.303-1000 2-.303- 700	-	A. D./R. D. T. I M. A. P.
DEHAVILLAND Mosquito MK V Two RR-Merlin XII	1180/18000 1170/21000 1380	379/22200/- 102	1/1700 28800 *	2650 2400	1720/-/- 1610/-/-	- 643	2000 2500	15129 20540 21310	54'2" 41'2" 450 Sq. Ft.	None	Armor L.P. Tanks B.P. Glass	I. T. M. #11 DeH. Canada
FAIREY Albacore One Bris. Taurus XII	985/3750 1130/3500 1085	170/4800/- 68-83	10.3/10000 14400	- -	790/111/- 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	MID-ONI 11/7/42
FAIREY Barracuda One RR-Merlin 30	1240/7250 1260/8750 1300	235/11000/-	- 21000	- -	655/136/-	- -	- 1610	- 13177 #	- -	2-.303 1-.303-600(Reconn. Only)	-	Air Tech. Sec. PTUSA Rept. No. 274 10/29/42

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

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

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

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

PAGE 5

DATE: 1 October, 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 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)	NONE NORMAL MAXIMUM				
FAIREY Swordfish One Bris. Pegasus III or 30	- - -	111/3500/- 74.8	12.6/1000 17000	- -	**672/103.5 166/103.5	301 301	None 1500	510L 7853 9215	15'6" 36'4" 607 Sq. Ft.	0-.303- 600 L.P. Tanks Only	MID-CMI 11/7/42
HANDLEY PAGE Halifax II Four BR-Merlin XX	1180/18000 1170/21000 1280	258/19000/- -	25.0/15000 a. 21000 b. 25000	3900 2550	2250/175/- 1785/175/- 650/175/-	2815 2251 936	None 1250 13000	36255 39000 59000 59000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1500 Rds. Res. L.P. Tanks B.P. Glass	A.D./R.D.T. M.A.P.
HANDLEY PAGE Halifax III Four Bris.Hercules VI	1300/13500 1530/15500 1510	270/15500/- -	25.0/15000 a. 19000 b. 23000	3900 2700	2540/-/- 1810/-/- 630/-/-	3090 2264 924	None 1650 13000	39700 63000 63000 63000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1800 Rds. Res. L.P. Tanks B.P. Glass	A.D./R.D.T. M.A.P.
HANDLEY PAGE Hampden Two Bris.Pegasus XVIII	750/14750 885/15000 965	239/13800/- 73	25.5/15000 19000	3300	1720/-/- 700/-/-	- 785 376	- 2000 5000	1276L - 22500	69'2" 53'4" 737 Sq. Ft.	6-.303 L.P. Tanks	B.A.C. 5/12/42
SHORT Chetland Four Bris. Centaurus 3 S.M.	1650/19000 2000/20000 2400	214/3250/- -	8.7/3000 a. 12500 b. 17000	- -	3620/-/- 2920/-/- 1130/-/-	7000 5690 2520	None 1400 21200	71000 10000 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/- -	34.5/15000 a. 16500 b. 20500	1200 3300	2465/200/- 2050/200/- 915/200/-	3330 2706 1392	2250 5750 11400	13200 70000 70000 70000	99'0" 87'0" 1460 Sq. Ft.	8-.303- 1000 L.P. Tanks B.P. Glass	A.D./R.D.T. M.A.P.
SHORT Stirling III Four Bris.Hercules VI	1300/13500 1530/15500 1510	285/15500/- -	25.4/15000 a. 18000 b. 22000	4200 3300	2445/200/- 2015/200/- 880/200/-	3330 2706 1314	- 11000 11000	70000 70000 70000	99'0" 87'0" 1460 Sq. Ft.	10-.303- 1000 L.P. Tanks B.P. Glass	A.D./R.D.T. M.A.P.
SHORT Sunderland III Four Bris.Pegasus XVIII	750/14750 885/15000 965	196/3000/- -	a. 11700 b. 15600	9900	2970/-/- 2300/-/- 1895/-/-	3060 2566 2235	None 1200 4200	31517 58000 58000 58000	112'9" 85'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700 L.P. Tanks B.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/-/- 2845/-/- 2545/-/-	1080 3790 3450	None 1900 4200	41910 73350 73350 73350	112'9" 85'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700 L.P. Tanks B.P. Glass	A.D./R.D.T. M.A.P.
VICKERS Warwick I Two P&W Wasp S1A1-G	- 1500/14000 -	213/14000/- -	- 20000	4500 3300	1780/180/- 1460/180/- 846/180/-	1168 1203 768	3875 5275 8000	28750 46000 46000 46000	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
AC-AIR CORPS
DA-DEFENSE AID
PO-PURCHASE ORDER

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CONFIDENTIAL MONTHLY CHART BRITISH, BOMBARDMENT AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 6

DATE: 1 October, 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 10' OBS. LAND OVER 10' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					SPEEDS % POWER		WT. EMPTY WEIGHT WEIGHT					
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)						NONE NORMAL MAXIMUM
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/15000	277/20000/- -	20.0/15000 a. 23000 b. 26500	3000 3300	1675/1.80/- 1380/1.80/- 1070/1.80/-	1168 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. I M.A.P.
VICKERS Wellington Ic Two Bris. Pegasus XVIII	750/14750 895/15000 965	235/15500/- -	- 15000	- -	2550/1.65/- 1805/1.65/- 1200/1.65/-	- - -	1000 2750 1600	30000 -	86'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec RTUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two RB-Merlin I	960/13000 1010/17750 1075	244/17000/- -	33.5/15000 18000	1050 -	- 1580/1.95/- -	- 900 737	- 3500 4600	20050 - 32000	86'0" 60'10" 830 Sq. Ft.	4-.303-1000 2-.303- 500	Yes	B.A.C. 5/12/42
VICKERS Wellington III Two Bris. Hercules II	1200/14000 1510/11250 1590	263/11500/- -	- 20000	- -	2200/1.85/- 1500/1.85/- -	- - -	1500 4600 -	31600 -	86'0" 60'10" 830 Sq. Ft.	8-.303-1000	-	Air Tech. Sec RTUSA Rept. No. 274 10/29/42
VICKERS Wellington VI Two RB-Merlin II	1035/30000 1035/30000 1225	312/32000/- -	65/35000 a. 36700 b. 38500	3078 2355	- - -	- - -	- - 1500	20290 - 31600	86'2" 62'5" 840 Sq. Ft.	4-.303-1000	-	A. D./R. D. T. I 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	2110/1.85/- 1480/1.85/- -	1236 900 -	1500 4600 -	31600 -	86'0" 60'10" 830 Sq. Ft.	6-.303-1000 2-.303- 500	-	A. D./R. D. T. I 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 October, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 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. REFERENCE TYPE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				WT. EMPTY WEIGHT WEIGHT WEIGHT
BELL P-400 "AIRACORRA -1" One V-1710-24	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	- -	- -	195-(U.S.) 120-(U.S.)	- -	5878 7982 7835	34'0" 29'19" 213 Sq. Ft.	4-.30-1000 2-.50-270 2-20mm-60	AAEE-774 & AFIU-No. 34
CURTISS HE-81A "TOMAHAWK I" One V-1710-0-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	2-.50 4-.30	AAEE-763, a
CURTISS HE-81A "TOMAHAWK II" One V-1710-0-15	- -	343/16000 83	7.7/15000 31400	1320 -	- -	158 101	- -	- -	- -	2-.50 4-.30	AAEE/763
CURTISS HE-87A "KITTYHAWK I" One V-1710-83R	1000/11000 1150/11800 1150	332/14400 322/16200	11.2/20000 28700	- -	a b	1060/-/- 650/-/-	199 148	5973 8866 8180	37'11" 31'19" 236 Sq. Ft.	6-.50-2160T	AAEE/783
CURTISS HE- "KITTYHAWK II" One V-1650-1	1010/16000 1120/18500 1300	354/20400	10.9/20000 34300	- -	- -	209 158	- -	8180 Test 6482 8910	- -	- -	AAEE/783, a
DOUGLAS DB-7 "HAWK I" Two R-1830-5304G	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	326	11775 15332	61'14" 47'3" 465 Sq. Ft.	- -	- -
DOUGLAS DB-7 "HAWK II" Two R-2500-45B	1275/11500 1600	329/13000	- -	2640 ** -	- -	- -	326 458	11144 17741 18751	48'10" -	- -	AAEE/771
GRUMMAN G-36 "MARTLET I" One R-1820-0205A	900/15200 1200	- -	- -	1560 -	- -	- -	- -	- -	- -	4-.50-	AAEE/762
GRUMMAN G-36 "MARTLET II" One R-1830-5304G	1000/12500 1050/13100 1200	- -	- -	1710 -	- -	890/-/- -	160 130	5489 7790 7550	38'3" 29'11" 261 Sq. Ft.	6-.50-225	AAEE/762, a
GRUMMAN G-36 "MARTLET III"	-	NO DATA	AVAILABLE	-	-	-	-	-	-	-	-

NOTES:
 **--Tested with Jettisonable fuel tank Gr. Wt. 8840#
 ***-at 17500# and Q' 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 = 6366#

A--ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

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BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 October, 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 1/2 OBS. LAND OVER 1/2 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					with SPEEDS % POWER	with SPEEDS % POWER	with SPEEDS % POWER				
GRUMMAN WARTLETT IV One R-1820-205A-3	- - -	- - -	- - -	- - -	- - -	- 144 (U.S.) -	- - -	5591 - 7760	- - -	2-.50-170 2-.50-150 2-.50-500	AAEX/762,3
NORTH AMERICAN NA-73 "MUSTANG I" One V-1710-F5R	1000/11000 1150/11800 1150	370/15000 -	7.3/15000 30000 -	1920 -	960/-/- -	155 (U.S.) -	- - -	- - -	- - -	2-.30-900 2-.30-800 2-.50-300 2-.50-200	AAEX/751

NOTES:

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

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

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 October, 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. CELL - 1/2 ENGR. 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.-BDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NOSE NORMAL MAXIMUM				
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/15200 1200	253/15100	-	2100	13 hrs. 7.5 hrs.	896 644	1080	- - 20000 Test	65'6" 44'3" 551 Sq. Ft.	2-.303-1500 3-.303-500Tot. 2-.503-2000	AAEE/739, d.
LOCKHEED 414 "HUDSON IV" Two R-1850-SC36	- -	260/10000	12.0/10000	2620	- -	- -	- -	- -	- -	- -	AAEE/739, d.
LOCKHEED 414 "HUDSON V" Two R-1850-SC36-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LOCKHEED VEGA 37 "VENTURA" Two R-2600-S1A10	1500/7500 1850/2700 1850	- -	- -	- -	- -	565	2500	17168 25700	- -	4-.303-1000 2-.303- 750 2-.50- 250	AAEE/790
MARTIN 167 MARYLAND I Two R-1850-SC36	900/12000 1050/7700	294/9000 80	12.1/15000 27250	1560	1870/179/ - -	754 U.S. -	- -	11000 17890 15870 17890 Test	61'11" 46'8" 542 Sq. Ft.	6-.303-500	AAEE/785
MARTIN 167 MARYLAND II Two R-1850-	NO	DATA AVAILABLE					NO DATA AVAILABLE				
MARTIN 187 BALTIMORE I Two R-2600-A5B5	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	4-.30 4-.30-500 2-.30-100 2-.30-100	- -	- -
MARTIN 187 BALTIMORE II Two R-2600	NO	DATA AVAILABLE					NO DATA AVAILABLE				
MARTIN 187 BALTIMORE III Two R-2600-A5B5	1275/11500 1600	301/10400	10.5/14000 23500	- -	1870/ - / - -	488	2000	20330	- -	- -	AAEE/782, e.
NORTH AMERICAN W490 MITCHELL I Two R-2600-9	1350/13000 1150/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	AAEE/794

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

* - At 29500ft
a - ALLOWING 91 U.S. gal. for takeoff, etc.
- Range given is practical range = 75% still air range

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

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 10

DATE: 1 October, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./RP. 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.-BDS. 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	WT. FULL WEIGHT WEIGHT								
BOEING 299T "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-	- - -	- - -	110'0" 66'0" 104 Sq. Ft.	- - -	- -	AAEE/770,a and AL/RJ1	
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE												
CONSOLIDATED-1B-30 "LIBERATOR I" Four B-1830-83C46	1000/12500 1050/13100 1200			2800	- - -	- - -	- - -	- - -	110'0" 66'0" 104 Sq. Ft.	- - -	- -	- -		- -	- -	AAEE/769	
CONSOLIDATED-1B-30 "LIBERATOR II" Four B-1830-83C46	1000/12500 1050/13100 1200	250/14000/-			2200/- / -	- -	8000 -	- 56000	- -	1-.303-600 + 600 res. 1- 303-2200 1- 303-1000 2- 303- 500	- -	- -		- -	- -	B. P. D. H. No 44	
CONSOLIDATED-1B-30 "LIBERATOR III" Four B-1830-13	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3885	3000/- / - 2150/- / - 1540/- / -	3120 2270 1610	None 4000 8000	33500	- -	- -	- -	- -		- -	- -	AAEE/769,a	
DOUGLAS DB-7 "BOSTON I" Two B-1830-8C30	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/- / - 2150/- / - 880/180/-	- -	- -	- -	- -	- -	- -	- -		- -	- -		
DOUGLAS DB-7 "BOSTON II" Two B-1830																	
DOUGLAS DB-7 "BOSTON III" Two B-2600-A5B	1275/11500 1600	312/13000/-		3540 a. 2835 b.	620/170/- 880/170/-	512 382 526	2000 2000	15718 23000 21550 22400	61'4" 47'13" 465 Sq. Ft.	1-.303-500 1-20mm-50 2-.303-500	- -	- -		- -	- -	AAEE/752,c	
LOCKHEED 214 "HUDSON I" Two B-1820-G102A	900/6700 1100	239/8000/-		2970	- -	- -	- -	- -	- -	- -	- -	- -		- -	- -	AAEE/739	
LOCKHEED-1114 "HUDSON II" Two B-1820-G102A	900/6700 1100							20500 - test									AAEE/

NOTES:

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

* At 55000# gross weight
 ** Estimated
 a At 23000# gross weight with 15° flap
 b At 21500# gross weight with 15° flap
 c Armament used in "INTRUDER" version
 d At 17500# gross weight

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 October, 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND F. O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with SPEEDS & POWER			FUEL with BOMBS	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 1450/12000 1700	294/11800	10.8/15000 26700	- -	- -	- -	- -	- -	25000 - test	- -	2-.50 - 2-.50 - 1-.50 -	- -	AAEP-794A
BOUGHT SIKORSKY V-156 CHESAPEAKE I One R-1535-3B40	750/5800 825	222/4700	20.0/10000 16000	2300	170/-/-	215 (U.S.)	500	9040	-	-	4-.50 - 1-.30-1400	-	AAEP-773
BOUGHT SIKORSKY KINGFISHER I One R-985-AN-2	- -	163/3900	29.2/10000 11600	2130	-	244 100 60	- 500	3620 4990 5435	-	-	1-.30-500 1-.30-600	-	AAEP-789
WALTER VENGEANCE I One R-2600-ASB-5	- -	- -	- -	- -	- -	- -	- -	- -	-	-	6-.30-	-	

NOTES:

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

* At 80%
** At MAX. gross weight

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

PAGE 12

DATE: 1 October, 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	WT. EMPTY GROSS WEIGHT GROSS WEIGHT
POCKE-WULF 190A-3 (1) BMW - 801D FIGHTER	1450/- 1600/14000 1695/ S.L.	395/17000 110	6.25/18000 38000 NONE	2250 2700	820/220/- 380/335/- 1440/230/-	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
POCKE-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	- 10750 -	34'6" 29'2" 203 Sq. Ft.	2-7.9mm - 2- 20mm -	ALL	"
JUNKERS JU86C5 (2) BMW - 801D NIGHT FIGHTER	1450/18000 1530/20000 1695/ S.L.	347/17500 -	10.3/18500 30200 -	2310 2055	1620/243/- 800/230/- -	948 444 -	NONE -	21900 27800 25000 -	66'0" 47'0" 590 Sq. Ft.	3-20mm- 120 7-7.9mm-1000	ALL	"
MESSERSCHMITT ME-109F (1) DAIM. BENZ. DB-601M 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	4710 EST. 6980 6420 7000	32'6" 29'3" 172 Sq. Ft.	2-7.9mm-500 1- 20mm-200	ALL	"
MESSER. ME-109G2,4,6 (1) DAIM. BENZ. DB605A FIGHTER	1330/16000 1520/15000 1465/ S.L.	395/22000 -	6.3/18000 37500 NONE	1800 2100	1020/210/- 415/316/- 535/210/-	185 105 105	NONE - 550	4883 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-601F FIGHTER	1220/15000 1390/14500 1395/ S.L.	355/20000 95	5.5/16500 33500 -	1000 1800	2120/200/- 920/200/- -	368 336 -	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. DB-601F 2 ENGINE FIGHTER	1220/15000 1390/14500 1395/ S.L.	368/20000 95	10.6/16500 28500 -	- -	- 1790/227/- 1890/320/-	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
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PAGE 13

DATE: 1 October, 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 59' OBS. LAND OVER 59' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					with SPEEDS & POWER	with SPEEDS & POWER	with SPEEDS & POWER					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT
<u>JUNKERS JU-217E</u> (2) <u>BMW - 801A</u> NUMBER	1365/11250 1165/17750 1530/ S.L.	310/17000 -	21/17000 22500 -	1650 -	2150/220/- 1010/255/- 960/215/-	1650 780 780	NONE 1140 6600	22500 31000 31000	62'15" 56'6" 590 Sq. Ft.	1-20mm-60 2-7.9-1000 4-7.9mm- 2-13mm-150	ARMOR	TECH DATA FILES
<u>POCCE-WULF 200K</u> (4) <u>BRAMO-PAPRIR</u> "323R" NUMBER	765/11000 940/12000 985/ S.L.	235/13000 95	11.7/15000 21500 -	- -	2130/170/- 1250/170/- 1110/215/-	2112 1105 1004	3300 3300 11000	17200 32000 50500	102'10" 78'10" 1200 Sq. Ft.	2-20mm-200 4-7.9mm-500 2-13mm-150	ARMOR	*
<u>HEINKEL 111K</u> (2) <u>DB-601A</u> NUMBER	850/15250 1035/13100 1085/ S.L.	274/12300 85	16/15000 23600 -	2200 1800	2640/230/- 1600/215/- 1290/195/-	1321 912 818	NONE 1140 6200	11400 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) <u>DAIM. BENZ: DB-606</u> NUMBER	2350/15000 2700/11000 2550/ S.L.	295/17000 95	32/17000 21000 -	- -	3150/220/- 1315/255/- -	3700 1740 -	2200 - 15800	36000 - 67000	103'10" 67'15" 1100 Sq. Ft.	(EST.) 6/10-20mm- 150	ARMOR	*
<u>HENSCHEL HE-129</u> (2) <u>GNOME-RHONE 11M</u> NUMBER	660/13100 800/8000 800/ S.L.	275/9000 -	7/10000 21500 -	3000 1800	690/150/- - 110/150/-	210 160 160	220 220 770	9300 - 11100 12000	41'6" 33'4" 305 Sq. Ft.	2-7.9mm-1000 2-20mm-200 1-30mm-30	ALL	*
<u>JUNKERS JU-52/3M</u> (3) <u>BMW - 132A</u> TROOP TRANSPORT	- 660/ S.L.	165/S.L. -	- 21000 -	1920 1800	790/132/- 530/132/- -	610 435 -	- 22 TROOPS -	23100 - 23100	95'10" 62'0" 1190 Sq. Ft.	5-7.9mm- -	NONE	*
<u>JUNKERS 86P-1</u> (2) <u>JUNKERS JU-207A</u> PRESS. CABIN NUMBER	800/26000 1000/26000 1000/ S.L.	290/30000 -	- 42000 -	1980 2280	1700/-/- 1500/210/- -	610 580 -	NONE 1760 2200	- 22900 -	78'0" 53'0" 900 Sq. Ft.	NONE -	NONE	*
<u>JUNKERS 87D</u> (1) <u>JUNKERS JU-211L</u> DIVE 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 11400	8900 11500 12600 11300	45'4" 36'6" 335 Sq. Ft.	1-7.9mm-1000 -	ALL	*
<u>JUNKERS 88A-5</u> (2) <u>JUNKERS JU-211P</u> NUMBER	- 1075/13300	273/11000 -	31.8/17500 26000 -	3000 1640	1253/221/- 1195/230/- 910/225/-	1190 770 115	NONE 2200 6100	26500 26000 27600	66'0" 47'0" 590 Sq. Ft.	1-20mm- 7-7.9mm-	ALL	*
<u>JUNKERS JU88E</u> (2) <u>BMW 801</u> NUMBER	1365/11250 1165/17750 1530/ S.L.	335/18000 -	- 30000 -	- -	1600/-/- 1160/260/- -	- 768 -	- 2200 -	- -	- -	- -	-	*

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

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CONFIDENTIAL MONTHLY CHART ITALIAN FIGHTERS AND BOMBERS AIRPLANE CHARACTERISTICS & PERFORMANCE DATE: 1 October, 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 SPEEDS & POWER		FUEL with BOMBS		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 EMPTY GROSS WEIGHT GROSS WEIGHT						
<u>FIAT G-50</u> (1) FIAT A74RC-38 FIGHTER	- 840/12500	300/14,500	6.4/15000 34000 NONE	- - -	110/2584 - 325/2584 - 250/2571 -	- - -	83 68 55	NONE NONE 317	5450 5200 5450	35'4" 25'0" 196 SQ. FT.	2-12.7MM-	ARMOR	TECH DATA FILES	
<u>MACCHI MC-202</u> (1) DAIM. BENZ. DB-601A FIGHTER	- 1150/16000	360/20000	7.2/18000 36000 NONE	- - -	425/310/ - - -	- - -	105 - -	NONE	6400	34'9" 29'2" 161 SQ. FT.	2-12.7MM-350	ARMOR	*	
<u>REGGIANNE RE-2001</u> (1) DAIM. BENZ. DB-601A FIGHTER	- 1150/16000	350/20000	8.3/18000 36000 NONE	- - -	730/300/ - - -	- - -	173 - -	NONE	7000	36'0" 27'4" 220 SQ. FT.	2-7.7MM-600 2-12.7MM-300	ARMOR	*	
<u>CANTIERE E-506B</u> (3) ALFA-ROMEO 126RC34 BOMBER	- 750/11000	230/13000	13/13000 27500 -	- - -	1310/198/ - 1665/197/ - -	- -	1056 790 -	NONE 1750 2200	26750 29000	86'10" 62' 0" 915 SQ. FT.	1-7.7MM- 3-12.7MM-	ARMOR	*	
<u>CANTIERE E-1007</u> (3) PIAGGIO P11-RC40 BOMBER	- 1000/13000	260/15000	11.7/15000 31500 -	- - -	1570/235/ - 320/235/ - 380/225/ -	- -	1115 695 330	NONE 2640 4850	28600 28600 28600	81'10" 61' 4" 810 SQ. FT.	2-7.7MM-500 1-12.7MM-350 1-12.7MM-	ARMOR	*	
<u>FIAT BR-20</u> (2) FIAT ABORC41 BOMBER	- 1000/13500	255/13500	14/13000 31500 -	- - -	1835/214/ - 1210/217/ - 1450/214/ -	- -	957 635 770	NONE 2200 3500	23000 22500 25200	70'6" 52'10" 796 SQ. FT.	2-7.7MM- 1-12.7MM-	-	*	
<u>PIAGGIO P-108</u> (4) PIAGGIO P11IRC-35 BOMBER	- 1300/11500	270/13000	16.25/13000 30000 -	- - -	1550/230/ - -	- -	1960 1200 -	NONE 1400 10000	57000	106'0" 73'6" 1460 SQ. FT.	2-7.7MM- 6-12.7MM-	-	*	
<u>SAVOIA MARCHETTI - 79</u> (3) ALFA-ROMEO 126RC34 BOMBER	- 750/11000	255/12500	10.25/10000 28000 -	- - -	1510/211/ - -	- -	1345 890 985	NONE 2750 2940	26700 23070 26700	69'6" 54'6" 667 SQ. FT.	2-7.7MM- 3-12.7MM-	-	*	
<u>SAVOIA MARCHETTI - 84</u> (3) PIAGGIO P11RC-40 BOMBER	- 1000/13200	290/15000	17/15000 29500 -	- - -	1285/250/ - -	- -	870 660 -	NONE 3500	27700	69'0" 59'0" 648 SQ. FT.	4-12.7MM-	-	*	

NOTES:
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* ESTIMATED

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JAPANESE AIR FORCE

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AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

DATE: 1 October, 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.-1/2 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	MINIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
TYPE 97 SSF NATE ONE HISARI FIGHTER	800/13000	280/13000/-	3600 FPM 33000'	-	800/200/- 460/233/-	161* 80	-	3250 5000 4400	35'7" 24'4"	4-7.7mm - 550	NONE For. Equip
TYPE 0 SSF ZEKE ONE NAKAJIMA SAKAE 12 NX-1 FIGHTER	950/13750	326/16000/-	2750/ S.L. 38500	-	1180/119/- 895/146/-	225* 139	-	3718 6136 5585	39'5" 29'7" 248 Sq.Ft.	2-7.7mm - 500 2-20mm- 60	NONE * *
TYPE 0 SSF HAP ONE NAKAJIMA SAKAE 21 FIGHTER	945/17800 1060/15000	350/17000/-	3200/ S.L. 40200	-	1680/116/- 1180/153/-	228* 141	-	3913 6331 5750	36'6" 29'8" 238 Sq.Ft.	2-7.7mm - 500 2-20mm- 60	NONE * *
TYPE 1 SSF OSCAR ONE NAKAJIMA SAKAE 21 FIGHTER	945/17800 1060/15000	305/17000/-	3200/ S.L. 40200	-	1680/116/- 1180/153/-	228* 141	-	3913 6331 5750	36'6" 29'8" 238 Sq.Ft.	2x7.7mm - 600 2x20mm- 60	L.P. (Ineffective) * *
TYPE 99 D/B VAL ONE KINSEI 14 DIVE BOMBER	1060/ 6500	220/ 7500/-	27000	-	1320/116/- 875/190/-	313 271	- 814	5900 - 8070	48 37	3-7.7mm -	NONE * *
TYPE 97 T/B KATE ONE NAKAJIMA SAKAE11 TORP. 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/-	230/10000/-	2.1/3300'	-	2150/150/- 1200/180/-	810 651	2000 4400	- -	72 52	7-7.7mm - (300-700 Rds.)	NONE * *
TYPE 1 M/B BETTY TWO KASSI 15 MED. BOMB	1100/ - / -	288/13500/-	30000	-	3000/180/- 1800/180/-	1353 756	- 1760	14722 27500 20142	79'8" 64'	3x7.7mm -300 1x 20mm - 90	L.P. (Ineffective) * *
TYPE 0 SSF P/P RUFE ONE NAKAJIMA I SAKAE 12NX-1 SEAPLANE FIGHTER	950/13750/ -	260/16000/-	2500/ S.L. 36500	-	1180/119/- 895/146/-	** 225 139	-	4115 6436 5920	30'5" 33'2" 248 Sq.Ft.	2-7.7mm -500 2-20mm - 60	
TYPE 0 R P/P PETE ONE SUISKI 13 REC. FLOAT PLANE	-	220/ 9000/-	26000	-	-	-	-	4192 - 5623	37' 26'6"	2x7.7mm- 500 117.7mm -700	NONE * *

NOTES:

AC-AIR CORPS
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PO-PURCHASE ORDER

* - Jettisonable fuel tank.
** - Extra fuel carried in main float.
I - This is 0 SSF ZEKE equipped with 1 main and two wing tip floats.

JAPANESE DO NOT USE NAME OF MANUFACTURERS IN DESIGNATING THEIR AIRCRAFT

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JAPANESE AIR FORCE
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AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

PAGE 16

DATE: 1 October, 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 10' OBS. LAND OVER 10' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			WEIGHT DESIGN 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					
TYPE 97 F/B MAVIS FOUR KINSEI 43 FLY BOAT	- 900/15000/- -	160/13000/- -	- 26000 -	- - -	2400/110/ 1900/127/ 1750/110/	- - -	2350 1747 1747	- - 3500	25000 50000 61100	131' 82' -	4-7.7mm - 1-20mm -	NONE FOR EQUIP.

NOTES:
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CONFIDENTIAL MONTHLY CHART RUSSIAN AIR FORCE AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 17

DATE: 1 October, 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 S SPEEDS & POWER		FUEL with BOMBS at		WEIGHTS WT. EMPTY WEIGHT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RHS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH HALL BOMBS)	MAXIMUM NORMAL (WITH HALL BOMBS)	NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT WEIGHT					
1-16 M-53 Engine Fighter	- 1000	290/13000/-	- 22000 None	-	160/220/-	-	-	6100	31'3" 21'11" 204 Sq. Ft.	2- MG 2-20mm Canon	-	Spotter 7-21-41	
1-17 M-100 Engine Fighter	- 1100	306/12780/-	5.2/12780 36000 None	-	642/273/-	-	220	-	33'2" 21'4" 191 Sq. Ft.	4- MG	-	M.I.D. 10/10/40	
MI9-3 M-35 Engine Fighter	1200/19680 -	390/21000/-	- 35000 None	-	350/330/- 125/201/-	105 105	0 110	6000 6300	28'6" 22'0" -	2-7.6 mm 1-12.7 mm	Armor	M.I.D. 9/16/41	
IL-2 (Stormovik) Five Bomber	1150/12000 -	270/10000/-	- -	-	- -	- -	880 1100	-	- -	2-20 mm 2-7.6 mm	Armor L.P. Tanks S.P. Glass	M.I.D. 10/8/41	
TB-6 Four, 3/4 Engines Heavy Bomber	- 600	250/-/-	21/13000 25000 -	-	1250/-/-	-	6600	-	-	6 MG	-	M.I.D. 4/26/41	
SB-3 Two, M-10 Engines Bomber	860/13780 -	250/-/- 69	20/26218 26218 -	-	620/217/-	441	1200 2200	10033 -	66'0" 43'0" 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/-	16/16400 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.	
PB-2 Two, M-105 Engines Five Bomber	1000/12000 -	342/-	- -	-	- -	- -	1540 2120	-	- -	3-7.6mm- 1-12.7mm-	-	O.S.I. 10/8/41	
TB-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-400 1-20mm-160 1-20mm-200 2-12.7mm-200	-	Tech. rep. NO. 203 7/6/42	

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