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MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

EE-306-3
FOREIGN



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by ~~_____~~ WDCB
E. S. JOHNSTON
Colonel, Infantry

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MONTHLY CHART

BRITISH, FIGHTER

PAGE 1

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 September, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH ALT./HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL. -1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' 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				
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1720/16000 2250	358/18000/-	11/20000 31600	1350	-	-	-	9929	50'10" 37'6" 370 Sq. Ft.	4-20mm.-50	ONI 1/23/42 ETCUSA Rept. 274
BLACKBURN Roc I One Bris.Perseus III	905/6500 745/6500 830	223/7500/-	25.6/15000 18200	-	650/130/-	110	None	6167	46'2" 35'7" 312 Sq. Ft.	4-303-600	None MID-ONI 11/7/42
BLACKBURN Skua I One Bris.Perseus III	905/6500 745/6500 830	225/8700/-	22.1/15000 19100	-	900/130/- 600/130/- 600/130/-	196 136 144	None 500 500	5940	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 1030/12250 880	304/17000/-	8.5/15000 30000	1500 2310	580/180/- 465/260/-	125 125	None None	5938	39'4" 35'0" 224 Sq. Ft.	4-303-600	Armor L.P. 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	6127	39'4" 35'0" 224 Sq. Ft.	4-303	B.A.C. 5/12/42
BRISTOL Beaufighter I Two Bris.Hercules XI	1200/14000 1510/11250 1590	324/11750/-	- 30000	1785 2580	1515/226/-	660	None	13931	57'10" 41'6" 451 Sq. Ft.	4-20mm.-283 6-303-1000	Armor L.P. Tanks B.P. Glass M.A.P. Dayton BAC 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	57'10" 41'6" 451 Sq. Ft.	4-20mm.-283 6-303-1000	Armor L.P. Tanks B.P. Glass M.A.P. thru Dayton BAC 11/8/42
BRISTOL Beaufighter III Two Bris.Hercules VI	1300/13500 1530/15500 1610	333/15600/-	- 27000	1845 2550	1480/243/-	660	None	21322	57'10" 41'6" 451 Sq. Ft.	4-20mm.-210 6-303-1000	Armor L.P. Tanks B.P. Glass M.A.P. thru Dayton BAC 11/8/42
DeHAVILLAND Mosquito VI Two RR-Merlin XXI	1180/18000 1170/21000 1280	380/22000/-	- 29500	2175 2535	1205/240/-	483	1000	19822	54'2" 41'2" 450 Sq. Ft.	4-20mm.-150 4-303-500	M.A.P. thru Dayton BAC 11/8/42
FAIRCHILD Firefly One RR-Griffon II	1365/17000 1380/19000 1755	338/21000/-	10.2/20000 30600	1950	-	-	-	8731	44'6" 37'0" 328 SQ. FT.	2-20mm.-175 2-20mm.-150	ONI 1/23/42 ETCUSA Rept. 274

NOTES: * Estimate
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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CONFIDENTIAL MONTHLY CHART BRITISH, FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 2

DATE: 1 September 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 ENGR. 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	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
FAIREY Fulmar II One RR-Merlin 30	1240/7250 1260/8750 1300	264/9600/- 75	20.3/20000 21000	- -	925/150/- -	186 -	None 500	7575 9980	46'0" 40'4" 378 Sq. Ft.	6-.303-1000 or 4-.50-360	Armor L.P. Tanks B.P. Glass	MID-CHI 11/7/42
HAWKER Hurricane IIB One RR-Merlin IX	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1260 1920	540/170/- 355/281/-	116 116	None None	5290 7200 7200	40'0" 31'5" 258 Sq. Ft.	12-.303-300	Armor L.P. Tanks	B.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin IX	1160/18000 1170/21000 1280	327/20500/- -	- 36000	1770 2160	480/214/- -	116 -	None -	5655 7580	40'0" 31'5" 258 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Sect. STCUSA Rept. No. 274 10/29/42
HAWKER Hurricane IID One RR-Merlin IX	1180/18000 1170/21000 1280	313/22000/- -	- 31600	- -	460/210/- -	- -	None -	- 7656	40'0" 31'5" 258 Sq. Ft.	2-.303-600 2-40mm.-16	-	Air Tech. Sect. STCUSA Rept. No. 274 10/29/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	450/26000/- -	- 38800	1965 2460	827/217/- -	230 -	None -	- 11600	- -	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Tempest II One Brit. Centaurus IV	1780/18250 -	420/19000/- -	- 36800	1830 2146	996/217/- -	230 -	None -	- 11550	- -	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Typhoon IB One Napier Sabre II	1675/16250 1800/16250 2010	414/21000/- 88	7.5/20000 31600	2600 2220	610/238/- 410/344/-	124 124	None None	8337 10500 10500	41'0" 32'0" 279 Sq. Ft.	12-.303-500 or 4-20mm.-150	Armor L.P. Tanks B.P. Glass	M.I. D. 10/24/41 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	- -	500/214/- -	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 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 6460 6460	36'10" 30'0" 242 Sq. Ft.	4-.303-350 2-20mm.-60	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/42

NOTES:

AC-AIR CORPS

DA-DEFENSE AID

PO-PURCHASE ORDER

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

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

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CONFIDENTIAL MONTHLY CHART BRITISH FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 3

DATE: 1 September 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.-BDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFEREN.
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
SUPERMARINE Spitfire VC One RR-Merlin 61V 1185	1200/16000 1235/17150	369/17500/- -	- 36500	- -	1085/206/ 474/-/-	- -	None None	- -	36'10" 30'0" 242 Sq. Ft.	4-20mm.-120 L.P. Tanks	Armor E.T.O.U.S.A. Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61 1375	1190/25000 1300/24000	405/26500/- -	- 40250	2085 2220	732/233/- -	114 -	None -	8000 -	40'2" 31'4" 248 Sq. Ft.	4-303-350 2-20mm.-135 L.P. Tanks S.P. Glass	Armor M.A.P. thru Dayton BAC 11/8/42
SUPERMARINE Spitfire IX One RR-Merlin 61 1375	1190/25000 1300/24000	406/26500/- -	402/15000 40750	1875 2160	472/228/- -	102 -	None -	7150 -	36'10" - 242 Sq. Ft.	4-303-350 2-20mm.-120 L.P. Tanks S.P. Glass	Armor M.A.P. thru Dayton BAC 11/8/42
SUPERMARINE Spitfire IX One RR-Griffon II 2010	1675/16250 1800/16250	391/18000/- -	- 33500	1980 2460	500/218/- -	156 -	None -	9400 -	40'6" - -	6-20mm.-120 L.P. Tanks S.P. Glass	Armor M.A.P. thru Dayton BAC 11/8/42
WESTLAND Welkin Two RR-Merlin 61 1375	1190/25000 1300/24000	431/26000/- -	- 44000	1890 2850	1560/215/- -	564 -	None -	16700 -	- - -	6-20mm.-120 -	M.A.P. thru Dayton BAC 11/8/42
WESTLAND Whirlwind Two RR-Peregrine I 855	860/13500 890/15000	338/15800/- -	8.4/20000 30000	1890 2250	590/190/- 370/306/-	163 103	None None	8040 10115 10222	45'0" 32'3" 231 Sq. Ft.	4-20mm.-60 or 12-303- L.P. Tanks S.P. Glass	Armor E.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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CONFIDENTIAL **MONTHLY CHART** **AIRPLANE CHARACTERISTICS & PERFORMANCE**

BRITISH, COMBATMENT

PAGE 4

DATE: 1 September 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 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					WT. EMPTY WEIGHT WEIGHT
ARMS. -WHITWORTH Whitley V Two RR-Merlin X	960/13000 1010/17750 1075	225/17000/-	- 19000	- -	1935/170/- 1365/170/- 170/170/-	- -	1250 2500 7000	30000	50'0" 60'11" 1233 Sq.Ft.	1-.303-500 1-.303-1000	-	Air Tech. Sec. TCUSA Rept. No. 274 10/2/42
AVRO Lancaster I Four RR-Merlin XX	1180/18000 1170/21000 1230	280/20000/-	18.5/15000 a. 25000 b. 29500	4200 2550	3000/185/- 2510/185/- 1130/185/-	3030 2556 1833	None 1250 12750	35300 50000 60000	102'0" 60'11" 1237 Sq.Ft.	4-.303-2500 1-.303-1000 2-.303-500	Armor L.P. Tanks S.P. Glass	A.S./S.I.I.I N.A.P.
AVRO Lancaster II Four Bris. Hercules VI	1300/13500 1530/15500 1610	251/15500/-	20/15000 a. 21000 b. 25000	3000 2400	2950/195/- 2450/195/- 1075/195/-	3030 2556 1800	None 3900 12750	37070 63000 62000	102'0" 60'11" 1237 Sq.Ft.	4-.303-2500 1-.303-1000 2-.303-500	Armor L.P. Tanks S.P. Glass	A.S./S.I.I.I N.A.P.
BRISTOL Beauport I Two Bristol Taurus VI	925/3750 1130/3500 1085	270/5500/-	- 19500	- -	1785/155/-	- -	500	19000	50'0" 44'7" 503 Sq.Ft.	2-.303-400 2-.303-500	-	Air Tech. Sec. TCUSA Rept. No. 274 10/20/42
BRISTOL Blenheim IV Two Bristol Mercury XV	825/13000 920	266/15000/-	7/10000 27000	- -	1110/270/ 75%	- 720 333	1100 1600	6250 11400 11400	56'4" 42'0" 469 Sq.Ft.	1-.303	Armor L.P. Tanks	Aeroplane 3/2/40 L.P. Glass 3/20/41
BRISTOL Blenheim V Bristol Mercury XV	825/13000 920	244/6000/-	- 19500	- -	1230/170/-	- -	1000	17040	56'4" 42'0" 469 Sq.Ft.	1-.303-400 1-.303-1000	-	Air Tech. Sec. TCUSA Rept. No. 274 10/20/42
BRISTOL Buckingham Two Bris. Centaurus IV	1780/18250	330/19250/-	16.0/15000 a. 23500 b. 27200	4350 2400	3300/215/- 1570/281/- 1570/281/-	1890 1260 1260	None 4000 4000	21270 36300 36550	71'9.6" 46'5" 710 Sq.Ft.	1-.303-1000 2-.303-700	-	A.S./S.I.I.I N.A.P.
DEHAVILLAND Mosquito ME V Two RR-Merlin XII	1180/18000 1170/21000 1280	379/22200/- 102	1/1700 28000	2650 2400	1720/-/- 1610/-/-	- 443	2000 2500	15120 20440 21310	54'2" 41'2" 450 Sq.Ft.	None	L.P. Tanks S.P. Glass	L.T.M. #11 L.P. Canada
FAIRY Albacore One Bris. Taurus XII	885/3750 1130/3500 1085	170/1800/- 68-53	10.3/10000 11400	- -	790/111/- 680/105/-	234 234	None 1500	7103 3900 12400	50'0" 40'0" 607 Sq.Ft.	1-.303-400 2-.303-750	Armor L.P. Tanks	MID-ONI 11/7/42
FAIRY Barracuda One RR-Merlin 30	1240/7250 1260/8750 1300	235/11000/-	- 21000	- -	655/138/-	- -	1610	13177	- -	2-.303 1-.303-500 (Reconn. Only)	-	Air Tech. Sec. TCUSA Rept. No. 274 10/15/42

NOTES:
 * Operational ceiling: 500 ft/min rate of climb
 ** Normal reconn. load
 a Service ceiling at maximum weight
 b Service ceiling at mean weight
 ✓ Maximum weight at take-off
 d High speed in test on ME IV at Wright Field was 365/20,500 ft.
 AC-AIR CORPS
 DA-DEFENSE AID
 PO-PURCHASE ORDER

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

PAGE 5

DATE: 1 September 1943

MODEL & MFR. ENGINE (CONT. NO. PLANES)	ENG. RATINGS NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./R.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BDS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH 1000 LBS.)	MAXIMUM NORMAL (WITH MAX. GUN)	MAXIMUM NORMAL (WITH MAX. GUN)					
HEALEY Superfish One Bris. Pegasus III or 30	-	111/15000/-	11.4/1000 17000	-	**670/103.5	201	None	5100 7655	15'6"	3-305-500	L.P. Tanks Only	1-1/12
HEALEY FAME Halifax II Four Bris. Merlin XL	1100/12000 1170/12000 1200	250/12000/-	25.2/12000 a. 12000 b. 25000	3900 2550	2260/125/- 1785/125/- 650/125/-	2215 2234 226	None 1250 13000	24055 5000 50000	95'0"	10-305-1000 1200 lbs. sec.	Armor L.P. Tanks B.P. Glass	A.A./B.A.T.
HEALEY FAME Halifax III Four Bris. Merlin XL	1200/12500 1270/12500 1210	270/12500/-	25.0/12500 a. 12500 b. 23000	3900 2700	2510/-/- 1710/-/- 630/-/-	2010 2284 226	None 1250 13000	24700 5000 63000	95'0"	10-305-1000 1200 lbs. sec.	Armor L.P. Tanks B.P. Glass	A.A./B.A.T.
HEALEY FAME Bomber Two Bris. Pegasus VIII	750/11750 825/11500 765	250/12000/-	26.5/12000 10000	3300	1720/-/- 700/-/-	785 376	2000 5000	12764 2500 25000	51'0"	6-305	L.P. Tanks	B.A.T. 5/12/42
HEALEY Chetland Four Bris. Centaurus 3 B.M.	1650/12000 2000/20000 2000	210/2050/-	8.7/2000 a. 12500 b. 17000	-	3620/-/- 2920/-/- 1130/-/-	7000 5600 2620	None 1000 21000	71000 120000 120000	100'0"	4-50-1000 1-50-750	-	A.A./B.A.T. L.A.P.
HEALEY Stirling I Four Bris. Hercules XI	1200/12000 1510/11250 1590	245/10200/-	31.2/12000 a. 12500 b. 26500	4200 3300	2125/200/- 2050/200/- 915/200/-	3230 2706 1392	2250 5750 14000	43200 70000 70000	99'0"	6-305-1000	Armor L.P. Tanks B.P. Glass	A.A./B.A.T. L.A.P.
HEALEY Stirling III Four Bris. Hercules XI	1200/12500 1590/12500 1610	245/12500/-	25.4/12500 a. 12000 b. 28000	4200 3300	2115/200/- 2010/200/- 200/200/-	3230 2706 1314	1500 5000 14000	43200 70000 70000	99'0"	10-305-1000	Armor L.P. Tanks B.P. Glass	A.A./B.A.T. L.A.P.
HEALEY Sunderland III Four Bris. Pegasus VIII	750/11750 825/11500 765	106/2000/-	-	9900	2970/-/- 2300/-/- 1885/-/-	3060 2566 2235	None 1300 4000	31217 50000 50000	112'0"	4-305-1000 1-305-700	Armor L.P. Tanks B.P. Glass	A.A./B.A.T. L.A.P.
HEALEY Sunderland IV Four Bris. Hercules XIII	-	251/2500/-	6.5/2000 a. 11500 b. 11000	5600	3175/-/- 2810/-/- 2945/-/-	1000 3700 3450	None 1300 4000	41910 73350 73350	112'0"	6-305-1000 1-305-700	Armor L.P. Tanks B.P. Glass	A.A./B.A.T. L.A.P.
VICKERS Warwick I Two P.W. Hesp. D1A-C	-	213/11000/-	-	4500 3300	1780/120/- 1450/120/- 815/120/-	1400 1200 700	3075 3275 5000	22750 46000 40000	98'0"	4-305-2000 1-305-1000	-	A.A./B.A.T. L.A.P.

NOTES:
 a. Service ceiling at maximum weight
 b. Service ceiling at mean weight
 ** Normal reconnaissance load.
 AC - AIR CORP'S
 DA - DEFENSE AID
 PO - PURCHASE ORDER

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

PAGE 6

DATE: 1 September 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 ENG. OUT	T. O. & LAND T. O. OVER 30 OBS. LAND OVER 30 OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS & POWER			WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/18400 -	277/20000/- -	20.0/15000 a. 23000 b. 26500	3000 3300	1675/180/- 1380/180/- 1070/180/-	1158 1223 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 -	- -	2550/165/- 1805/165/- 1200/165/-	- - -	1000 2750 4500	- 30000 -	86'10" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec ET/USA Rept. No. 274 10/29/42
VICKERS Wellington II Two RR-Merlin X	960/13000 1010/17750 1075	214/17000/- -	33.5/15000 18000 -	4050 -	1580/195/- -	- 900 737	- 3500 4500	20050 - 32000 32000	86'10" 60'10" 830 Sq. Ft.	4-.303-1000 2-.303- 500	Yes	B.A.C. 5/11/42
VICKERS Wellington III Two Bris. Hercules XI	1200/14000 1510/11250 1590	263/11500/- -	- 20000 -	- -	2200/185/- 1500/185/- -	- - -	1500 4500 -	- 31500 -	86'10" 60'10" 830 Sq. Ft.	8-.303-1000	-	Air Tech. Sec ET/USA 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 - 31500	86'12" 62'15" 840 Sq. Ft.	4-.303-1000	-	A. D./R. D.T. I M.A.P.
VICKERS Wellington X Two Bris. Hercules VI	1300/13500 1530/15500 1610	265/15500/- -	22.0/15000 a. 20500 b. 21000	2850 2550	2110/185/- 1490/185/- -	1236 900 -	1500 4500 -	- 31500 -	86'10" 60'10" 830 Sq. Ft.	6-.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
/ Maximum weight at take-off

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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CONFIDENTIAL MONTHLY CHART **BRITISH - FIGHTERS (U.S. BUILT)** PAGE 7
BRITISH - FIGHTERS (U.S. BUILT) AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE 1 September 1945

MODEL & SER. NO. PLANE	ENG. RATINGS NORMAL ALT. MG. CWT. ALT. TAKE OFF S.L.	SPEEDS HIGH ALT. MPH LANDING	CLIMB TIME TO FT. CER. CEIL. CER. - 100 EAS. OUT	T.O. & LAND T.O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with SPEEDS & POWER			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					
HELL P-400	1000/1000	350/1700	5.1/10000	-	-	-	-	5878	31'0"	4-.50-1000	-	AAAE-771
"BIRACORA -1"	1150/1800	-	25000	-	-	195-(U.S.)	7582	7582	29'9"	2-.50-270	-	AFU-40,31
One P-1710-24	1150	-	-	-	-	120-(U.S.)	7835	7835	213 Sq. Ft.	2-20mm-60	-	-
CURTIS H-81A	-	-	-	-	-	-	-	-	-	-	-	-
"TORADAR I"	-	-	-	-	-	-	-	-	-	2-.50	-	AAAE-781,4
One P-1710-2-15	-	-	-	-	-	-	-	-	-	4-.50	-	-
CURTIS H-81A	-	-	-	-	-	-	-	-	-	-	-	-
"TORADAR II"	-	315/1600	7.7/10000	1.0	-	158	-	-	-	2-.50	-	AAAE-785
One P-1710-2-15	-	-	-	-	-	101	-	-	-	4-.50	-	-
CURTIS H-81A	-	-	-	-	-	-	-	7068 - Test	-	-	-	-
"BIRACORA -1"	1000/1000	310/1200	11.0/20000	-	A	199	-	5973	37'0"	6-.50-2160T	-	AAAE-785
One P-1710-2-15	1150/1800	320/1600	28700	-	B	118	-	8866	31'9"	-	-	-
CURTIS H-81A	1150	-	-	-	C	670	-	8180	230 Sq. Ft.	-	-	-
"BIRACORA -1"	1000/1000	350/1200	10.0/20000	-	-	205	-	8120 Test	-	-	-	AAAE-785,4
One P-1710-2-15	1150/1800	320/1600	28700	-	-	158	-	6182	-	-	-	-
CURTIS H-81A	1150	-	-	-	-	-	-	8910	-	-	-	-
"TORADAR I"	1000/1000	-	-	-	-	-	-	11775	31'0"	-	-	-
One P-1710-2-15	1150/1800	-	-	-	-	396	-	15332	17'9"	-	-	-
CURTIS H-81A	-	-	-	-	-	-	-	-	165 Sq. Ft.	-	-	-
"TORADAR II"	1000/1000	350/1200	10.0/20000	-	-	-	-	11111	40'0"	-	-	AAAE-771
One P-1710-2-15	1150/1800	-	-	-	-	516	-	17701	-	-	-	-
CURTIS H-81A	1150	-	-	-	-	508	-	18751	-	-	-	-
"TORADAR I"	-	-	-	-	-	-	-	-	-	4-.50	-	AAAE-780
One P-1710-2-15	1150/1800	-	-	-	-	-	-	-	-	-	-	-
CURTIS H-81A	1150	-	-	-	-	-	-	-	-	-	-	-
"BIRACORA -1"	1000/1000	350/1200	10.0/20000	1.0	-	150	-	5189	38'3"	6-.50-225	-	AAAE-780,4
One P-1710-2-15	1150/1800	-	-	-	-	130	-	7790	29'11"	-	-	-
CURTIS H-81A	1150	-	-	-	-	-	-	7590	261 Sq. Ft.	-	-	-
"TORADAR II"	-	-	-	-	-	-	-	-	-	-	-	-
One P-1710-2-15	-	-	-	-	-	-	-	-	-	-	-	-
CURTIS H-81A	-	-	-	-	-	-	-	-	-	-	-	-
"TORADAR I"	-	-	-	-	-	-	-	-	-	-	-	-

NOTES: *Tests with Jettisonable Fuel Tank (JFT) 2000 lbs. Max. Weight 17000 lbs. Max. Altitude 17000 ft. Max. Range 17000 miles. **Official Report U.S. Report No. 1-1111-1111. ***Preliminary Flight Test. **Weight = 10000 lbs.

AA-ACCEPTANCE PERFORMANCE TEST IN A FACTORY
 B-OFFICIAL PRELIMINARY REPORT
 C-PRELIMINARY FLIGHT TEST

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 6

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 September 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. SIL. CRIT. ALT. TAKE-OFF S. L.	SPEED HIGH ALT. CR. LANDING	CLIMB TIME TO 20,000 CRUISE 20,000 25,000 30,000	T.O. & LAND T.O. OVER WINGS LANDING WINGS	RANGE with 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				
GRUMMAN MARTLET IV One R-1520-205A-3	- - -	- -	- -	- -	- -	- -	- -	- -	5991 7760	- -	2-.50-470 2-.50-450 2-.50-500	- -	AAEE/762, b
NORTH AMERICAN NA-73 "MUSTANG I" One N-1710-F3R	1000/1000 1150/1150 1150	370/14000	1.5/1000 30000	1000	960/- / -	- / -	155 (U.S.)	- -	8625	- -	2-.50-700 2-.50-500 2-.50-300 2-.50-200	- -	AAEE/781

NOTES:

* 15° flap for takeoff.
a One tank labelled 24 U.S. gals. would hold only 72 gals.

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

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C-PRELIMINARY FLIGHT TEST

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - COMPARIMENT (U.S. BUILT)

DATE 1 September 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. 10000-10000 ENGS. OUT	T.O. & LAND T.O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM. PER GUN	COMBAT POST. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	HOME NORMAL MAXIMUM					
LOCKHEED 414 "HUDSON III" Two R-1820-6205A	900/15200 1200	253/15100	-	2100	13 hrs. 7.5 hrs.	89% 62%	- 1080	- -	65'6" 44'3" 551 sq. ft.	2-.303-1500 3-.303-600Tot. 2-.303-2000	-	AACE/759,2.
LOCKHEED 414 "HUDSON IV" Two R-1830-8036	- -	260/10000	12.0/10000	2620	- -	- -	- -	- -	- -	- -	-	AACE/759,1.
LOCKHEED 414 "HUDSON V" Two R-1830-8301-B	1000/12900 1050/13100 1200	-	-	-	-	-	-	20000 Test	-	-	-	-
LOCKHEED VEGA 37 "VENTURA" Two R-2600-61410	1500/7500 1850/2700 1850	-	-	-	-	-	-	17628 -	-	4-.303-1000 2-.303-750 2-.50-250	-	AACE/790
MARTIN 167 MARYLAND I Two R-1830-8030	900/12000 1050/7700	251/9000 30	12.1/15000 27050	1560	1270/177/ -	750 U.S.	-	11000 17850 15870	61'4" 46'6" 542 sq. ft.	1-.303-500	-	AACE/765
MARTIN 167 MARYLAND II Two R-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	- NO DATA AVAILABLE
MARTIN 187 BALTIMORE I Two R-2600-4585	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	- 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 R-2600-4585	1275/11500 1600	301/10400	10.5/16000 23500	-	770/ - / -	108	-	- 20330	-	-	-	AACE/764,3.
NORTH AMERICAN W490 MITCHELL I Two R-2600-9	1350/13000 1160/12000 1700	-	-	-	-	-	-	-	-	-	-	AACE/764

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

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 10

DATE: 1 September 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. ML. CRUISE ALT. TAKE-OFF S.L.	SPEEDS HIGH ALT. CR. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL. -1/2 ONES OUT	T.O. & LAND T.O. OVER 10' OBS. LAN. OVER 10' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CAL. POS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				
BOEING 297 "MORTRESS II" Four B-1820-65	1000/25000 1200/25000 1200	300/25000/-	15.1/15000	2750 2400	2690/190/- 2730/190/- 1815/190/-	2520 2120 1735	- 3700 7600	22065 - -	2-50-150 2-50-550 2-50-200 2-50-	-	AAEE/770, a and AD/SITE
CONSOLIDATED B 2 "CATALINA" Two B-1830-	-	-	-	-	NO DATA AVAILABLE			-	-	-	-
CONSOLIDATED B-30 "LIBERATOR I" Four B-1830-83010	1000/12500 1050/13100 1200	-	-	2800	-	-	-	-	-	-	AAEE/768
CONSOLIDATED B-30 "LIBERATOR II" Four B-1830-83013	1000/12500 1050/13100 1200	300/11400/-	-	-	2200/-/-	-	2000	56000	4-30-500 + 600 res. 4-30-2200 4-30-1900 2-30-500	-	B. F. O. U. 30 34
CONSOLIDATED B-30 "LIBERATOR III" Four B-1830-13	1100/25000 1200/25000 1200	3-5/25000/-	25.0/10000	3005	3000/-/- 2180/-/- 1540/-/-	3120 2270 1510	None 4,000 5000	33500 - -	-	-	AAEE/769, a
DOUGLAS DB-7 "BOSTON I" Two B-1830-8030	900/12000 1000/11500 1050	507/11000/-	13/20000 **2800 22500	2005	2110/-/- **150/-/- 620/120/-	-	-	-	-	-	-
DOUGLAS DB-7 "BOSTON II" Two B-1830	-	-	-	-	-	-	-	-	-	-	-
DOUGLAS DB-7 "BOSTON III" Two B-2600-A50	1275/11500 1600	310/14000/-	-	3510 a. 2835 b.	620/170/- 620/170/-	512 382 520	2000 2000	15715 35000 21550 22200	61'4" 47'3" 4-30-500 4-20-500 2-30-500	-	AAEE/768, c
DOUGLAS DB-7 "BOSTON I" B-1820-G1021	900/6700 1100	33/2000/-	-	2970	-	-	-	-	-	-	AAEE/770
DOUGLAS DB-7 "BOSTON II" B-1820-G1022	900/6700 1100	-	-	-	-	-	-	20500 - test	-	-	AAEE/770

* At 27000 gross weight
 ** Estimated
 a At 23000 gross weight with 15° flap
 b At 21700 gross weight with 15° flap
 c Unalloyed used in "YEPUD" version
 d At 11500 gross weight

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MONTHLY CHART

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 11

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 September 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)	50% NORMAL MAXIMUM				
NORTH AMERICAN NA-90 MITCHELL II Two R-2600-13	1350/13000 1150/12000 1700	294/11500	10.8/15000 26700	- -	- -	- -	- -	- -	2-.50 2-.50 1-.30	-	AAEE-791-A
VOUGHT SIKORSKY V-156 CHESAPEAKE I One R-1335-3B149	750/9800 825	222/4700	20.0/10000 16000	2300	1170/-/-	215 (U.S.)	500	9010	1-.30 1-.30-1100	-	AAEE-773
VOUGHT SIKORSKY KINGFISHER I One R-985-A1-2	- -	** 163/3900	** 29.2/10000 11600	** 2130	- 730/106/- 110/106/-	214 100 80	- 500	3620 - 4990 5435	1-.30-500 1-.30-600	-	AAEE-789
VULTEE VENGEANCE I One R-2600-45B-5	- -	- -	- -	- -	- -	- -	- -	- -	6-.50	-	

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

* At 85%
** At max. gross weight

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CONFIDENTIAL MONTHLY CHART GERMANY - FIGHTERS AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 September 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.-12 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					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT
<u>FOCKE-WULF 190A-3</u> (1) BMW - 801D FIGHTER	- 1600/14000 -	395/17000 -	6.25/18000 38000 NONE	2250 2700	820/220/ - 380/335/ - 440/230/ -	216 138 138	NONE NONE 1100	9200 8600 9600	31'6" 29'2" 203 SQ. FT.	2-7.9mm - 4-20mm -	ALL	TECH. DATA FILES.
<u>FOCKE-WULF 190A-4</u> (1) BMW - 801D-2 FIGHTER BOMBER	- 1755/3250 1695/ SL	320/19000 -	10.25/18000 34800 NONE	-	870/270/ - -	296 138 138	NONE 550 1100	- 10350 -	31'6" 29'2" 203 SQ. FT.	2-7.9MM- 2- 20MM-	ALL	"
<u>JUNKERS JU-88C2</u> (2) JUNKERS JU-211F NIGHT FIGHTER	- 1075/13300 -	285/16000 -	15/16500 29000 -	2400 -	1790/230/ - 950/210/ -	948 -	NONE -	26000 22200 -	66'0" 47'0" 590 SQ. FT.	3-7.9MM- 500 3-7.9MM-1000 1- 20MM- 450	ALL	"
<u>MESSERSCHMITT ME-109E</u> (1) DAIM.BENZ:DB-601A FIGHTER	- 1120/12000 -	355/18000 -	6.2/16500 36500 NONE	1260 1860	800/285/ - 450/300/ - 420/285/ -	185 105 105	NONE - 550	6500 5900 6500	32'6" 29'0" 175 SQ. FT.	2-7.9MM-1000 2- 20MM- 60	ALL	"
<u>MESSERSCHMITT ME-109F-4</u> (1) DAIM.BENZ:DB-601E FIGHTER	- 1390/14500 -	390/22000 -	5.7/18000 39000 NONE	1800 2100	600/205/ - 455/306/ - 540/200/ -	185 105 105	NONE - 550	4740 EST. 6980 6420 7000	32'6" 29'3" 172 SQ. FT.	2-7.9MM-500 1- 20MM-200	ALL	"
<u>MESSER: ME-109G2,4,6</u> (1) DAIM.BENZ:DB-605A FIGHTER	- 1520/15000 -	395/22000 -	5.3/18000 39000 NONE	1800 2100	1020/210/ - 445/316/ - 535/210/ -	185 105 105	NONE - 550	7230 6670 7300	32'6" 29'3" 172 SQ. FT.	2-7.9MM-500 1- 20MM-200 (2-20MM.OPTIONAL)	ALL	"
<u>MESSER: ME-110C-4</u> (2) DAIM.BENZ:DB-601A 2 ENGINE FIGHTER	- 1120/12000 -	350/22000 -	8.5/16500 34000 -	-	1930/253/ - 740/283/ - 1870/253/ -	912 336 -	NONE - 615	20500 15300 20500	53'10" 40' 4" 415 SQ. FT.	1-7.9MM- 825 4-7.9MM-1000 2- 20MM- 210	ALL	"
<u>MESSER: ME-210A, B, C, D</u> (2) DAIM.BENZ:DB-601F 2 ENGINE FIGHTER	- 1400/15000 -	368/20000 -	10.6/16500 33000 -	-	1700/323/ - 1280/320/ -	804 660 660	NONE - 1100	- 20250 21350	53'0" 40'3" 390 SQ. FT.	2-7.9MM- 2-13MM - 2- 20MM -	ALL	"

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

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

GERMANY, BOMBARDMENT

PAGE 13

DATE: 1 September 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 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					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT	
<u>DORNIER DO-17E</u> (2) DAIM. RENZ: DB-601A BOMBER	- 1040/13600 -	275/15000 -	10/15000 34000 -	- -	1315/235/ 810/235/ -	- - -	648 408 408	NONE 1100 2200	18600 17900 19000	59'0" 52'0" 590 SQ. FT.	6-7.9MM-	ARMOR	TECH. DATA FILES
<u>DORNIER DO-217E</u> (2) BMW - 801A BOMBER	- 1650/15300 -	325/17000 -	16/17000 29000 -	- -	2150/220/ 1010/255/ 960/245/ -	- - -	1650 780 780	NONE 4400 6600	34000 32000 34000	62'5" 56'6" 610 SQ. FT.	1- 20MM- 2-7.9MM- or 4-7.9MM- 2- 13MM-	ALL	"
<u>FOCKE-WULF 200K</u> (4) BRAMO-FAFNIR 323R HEAVY BOMBER	- 940/12000 -	250/13000 -	11.7/15000 30500 -	- -	2270/215/ -	- -	2112 660 1004	NONE 3300 11000	47200 -	108'0" 78'0" 1200 SQ. FT.	3-20MM- 6 to 8 (7.9MM)	ARMOR	"
<u>HEINKEL 111H-6</u> (2) JUNKERS JU-211F BOMBER	- 1075/13300 -	255/16000 -	21/16500 32500 -	1920 1800*	1760/195/ 1600/215/ 1290/195/ -	- -	1132 912 848	NONE 4400 6200	26600 25300 31000	73'10" 53' 8" 940 SQ. FT.	2- 20MM- 7-9 7.9MM-	ALL	"
<u>HEINKEL 177</u> (2) DAIM. RENZ: DB-606 BOMBER	- 2600/15000 -	295/17000 -	32/17000 31000 -	- -	3150/220/ 1315/255/ -	- -	- 3696 -	NONE 10000 15800	- 67000 -	103'9" 67'5" 1100 SQ. FT.	(EST.) 6-10: 13MM	ARMOR	"
<u>HENSCHHEL HS-129</u> (2) Gnome-Rhone 14M BOMBER	- 800/8000 -	275/9000 -	7/10000 29500 -	3000 1800	690/150/ -	- -	240 160 160	NONE 220 770	- 11400 12000	44'6" 33'4" 305 SQ. FT.	2-7.9MM- 2- 20MM- 1- 30MM-	ALL	"
<u>JUNKERS JU-52/3M</u> (3) BMW - 132A TROOP TRANSPORT	- 660/ SL -	165/SL -	- 21000 -	1920 1800	790/132/ 530/132/ -	- -	640 435 -	- 22 TROOPS -	23100 -	95'10" 62' 0" 1190 SQ. FT.	5-7.9MM-	NONE	"
<u>JUNKERS 86P-1</u> (2) JUNKERS JU-207A FRASS, CABIN BOMBER	- 950/26000 -	280/30000 -	- 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 DIVE BOMBER	- 1300/12500 -	255/13500 -	19/15000 30000 NONE	- -	1220/180/ 720/180/ 620/185/ -	- -	360 195 195	NONE 2200 4000	11500 12600 14300	45'4" 36'6" 335 SQ. FT.	4-7.9MM-	ALL	"
<u>JUNKERS 88A-5</u> (2) JUNKERS JU-211F BOMBER	- 1075/13300 -	275/14000 -	31.8/17500 28000 -	3000 1640	1855/224/ 1195/230/ 540/225/ -	- -	1190 770 445	NONE 2200 6400	26500 26000 27600	66'0" 47'0" 590 SQ. FT.	1- 20MM- 7-7.9MM-	ALL	"

NOTES: * ESTIMATED
 AC-AIR CORPS
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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

ITALIAN FIGHTERS AND BOMBERS

PAGE 14

DATE: 1 September 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1.2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WEIGHT EMPTY GROSS WEIGHT GROSS Wt. with 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					
<u>FIAT G-50</u> (1) FIAT A7LRC-38 FIGHTER	- 840/12500 -	300/14500 -	6.4/15000 34000 NONE	- -	120/258/ 325/258/ 250/257/	- 83 68 55	NONE NONE 317	5450 5200 5450	35'4" 25'6" 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/ -	- 195 -	NONE -	6400 -	34'9" 29'2" 181 SQ. FT.	2-12.7MM-350	ARMOR	*
<u>REGGIANE 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 Z-506B</u> (3) ALFA-ROMEO 126RC34 BOMBER	- 750/11000 -	230/13000 -	13/13000 27500 -	- -	1310/196/ 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 Z-1007</u> (3) PIAGGIO FXI-RC40 BOMBER	- 1000/13000 -	260/15000 -	11.7/15000 31500 -	- -	1530/235/ 920/235/ 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 ASORC41 BOMBER	- 1000/13500 -	255/13500 -	14/13000 31500 -	- -	1835/214/ 1210/217/ 1460/214/	- 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 FXIIRC-35 BOMBER	- 1300/11500 -	270/13000 -	16.25/13000 30000 -	- -	1550/230/ -	* 1980 1200 -	NONE 4400 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 FXIIRC-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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PO—PURCHASE ORDER

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JAPANESE AIR FORCE

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AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

DATE: 1 September 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)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
TYPE 97 SSF KATE ONE HIKARI FIGHTER	800/ 13000	280/13000/-	3600 FPM 53000'	-	800/200/ - 400/233/ -	161* 80	- -	3250 5000 4400	35'7" 24'4"	4-7.7mm - 550	NONE	For. Equip
TYPE 0 SSF ZEKE ONE NAKAJIMA SAKAE 12 NK-1 FIGHTER	950/ 13750	326/16000/-	2750/ S.L. 38500	-	1180/119/ - 895/116/ -	225* 139	- -	3718 6136 5555	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 - 600 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	-	1320/110/ - 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/-	21000	-	1380/130/ - 650/130/ -	- -	800 1760	4830 8392	52 34	2-7.7mm - 600 1-7.7 - 300	NONE	* *
TYPE 97 M/B SALLY TWO KINSEI MED. BOMBER	870/ 10000/-	230/10000/-	2,11/3300'	-	2140/150/ - 1200/130/ -	810 651	2000 4400	- -	72 52	7-7.7mm - (300-700 Rds.)	NONE	* *
TYPE 1 M/B BETTY TWO KASEI 15 MED. BOMB	1100/ - / -	286/13500/-	30000	-	3000/180/ - 1800/180/ -	1353 756	- 1760	14722 27500 20442	79'8" 64'	3x7.7mm -300 1x 20mm - 90	L.P. (Ineffective)	* *
TYPE 0 SSF P/P RUPE ONE NAKAJIMA SAKAE 12NK-1 SEAPLANE FIGHTER	950/13750/ -	280/16000/-	2500/ S.L. 36500	-	1180/119/ - 895/116/ -	** 225 139	- -	4115 6136 5920	39'5" 33'2" 248 Sq.Ft.	2-7.7mm -500 2-20mm - 60		
TYPE 0 R P/P PETE ONE SUISEI 13 REC.FLOAT PLANE	-	220/ 9000/-	26000	-	-	-	-	4192 5623	37' 26'6"	2x7.7mm- 500 1x7.7mm -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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JAPANESE AIR FORCE

AIRPLANE CHARACTERISTICS & PERFORMANCE

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 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' 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
					SPEEDS % POWER							
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					
TYPE 97 F/B MAVIS POUR KINSEI 43 FLY BOAT	- 900/13000/- -	160/1,000/- -	- 26000 -	- -	2400/110/ - 1900/127/ - 1750/110/ -	2350 1747 1747	- - 3500	25000 50000 44100	131' 82' -	4-7.7mm - 1-20mm -	NONE	FOR.EQUIP.

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RUSSIAN AIR FORCE

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AIRPLANE CHARACTERISTICS & PERFORMANCE

RUSSIAN AIR FORCE

DATE: 1 September 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MGL. 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)					NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT
1-16 M-63 Engine Fighter	- 1000	290/13000/-	- None	- 22000	- -	160/220/-	1910 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/-	- None	5.2/12780 36000	- -	641/273/-	- 220	33'2" 24'1/2" 191 Sq. Ft.	4- MG	-	M.I.D. 10/10/40	
MI-3 M-35 Engine Fighter	1200/19680 -	350/21000/-	- None	- 35000	- -	350/330/- 125/201/-	0 105 6000 6500	28'6" 22'0" -	2-7.6 mm 1-12.7 mm	Armor	M.I.D. 9/15/41	
IL-2 (Stormovik) Dive 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, M- Engines Heavy Bomber	- 600	250/-/-	- -	21/13000 25000	- -	1250/-/-	- 6600	- -	6 MG	-	M.I.D. 1/25/41	
SB-3 Two, M-10 Engines Bomber	860/13780 -	260/-/-	20/26218 26218	- -	- -	620/217/-	1441 1200 2200	10033 -	66'0" 41'0" 616 Sq. Ft.	2-7.6mm-750 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	950/11400 -	270/16000/-	16/16100 26500	- -	- -	2500/150/- 1180/230/- 1000/210/-	1000 808 640	3300 2200 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 Dive Bomber	1000/12000 -	342/-	- -	- -	- -	- -	- 1540 2420	- -	3-7.6mm- 1-12.7mm-	-	O.S.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- 400 1-20mm- 160 1-20mm- 200 2-12.7mm-200	-	Tech. rep. NO. 203 7/6/42

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