

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

FILE NO.
803-12
June 1943

453.1

M1090-30

EE-306-3
FOREIGN

RECEIVED
BY THE ADJ
GENERAL OFFICE

MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE



NOTICE: This document contains information affecting the National Defense of the United States within the meaning of the Espionage Act (U. S. C. 50:31:32). The transmission of this document or the revelation of its contents in any manner to an unauthorized person is prohibited.

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

DECLASSIFIED
DOD DIR 5200.9, 27 Sep 58

JUNE 30, 1943

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART

BRITISH, FIGHTER

PAGE 1

~~CONFIDENTIAL~~
BRITISH, FIGHTER

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: June 30, 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-EDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFEREN CE		
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2250	358/18000/- -	11/20000 31600 -	1350 -	1025/238/ -	200 -	None -	9929 12550	50'0" 37'6" 370 Sq. Ft.	4-20mm.-80	None	ONI 1/23/42 PTCSGA Rept. 274
BLACKBURN Roc I One Eric.Perseus XIII	905/6500 745/6500 830	223/7500/- 77	25.6/15000 18200 -	- -	650/130/ -	110 -	None 500	6167 8042	46'2" 35'7" 312 Sq. Ft.	4-303-600	None	MID-ONI 11/7/42
BLACKBURN Skua I One Eric.Perseus XIII	905/6500 745/6500 830	225/6700/- 83	22.1/15000 19100 -	- -	900/130/ 600/130/ 600/130/-	196 136 141	None 500 500	5940 8320 8376 8112	46'2" 35'7" 312 Sq. Ft.	5-303-600	Pilot Armor only	MID-ONI 11/7/42
BOULTON PAUL Defiant 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	39'4" 35'0" 224 Sq. Ft.	4-303-600	Armor L.P. Tanks	F.A.C. 5/12/42
BOULTON PAUL Defiant One RR-Merlin XX	1180/18000 1170/21000 1280	335/22000/- -	7.0/15000 34200 -	1350 2370	480/175/ 370/275/-	125 125	None None	6187 7765	39'4" 35'0" 224 Sq. Ft.	4-303	-	F.A.C. 5/12/42
BRISTOL Beaufighter Two Eric.Hercules XI	1200/14000 1510/11250 1990	324/11750/- -	- 30000	1785 2580	1515/226/ -	660 -	None -	13931 21120	57'10" 41'6" 451 Sq. Ft.	4-20mm.-285 6-303-1000	Armor L.P. Tanks S.P. Glass	N.A.P. Dayton SAC 11/8/42
BRISTOL Beaufighter Two RR-Merlin XX	1180/18000 1170/21000 1280	329/20400/- -	- 30000	2070 2505	1510/228/ -	660 -	None -	12895 20374	57'10" 41'6" 451 Sq. Ft.	4-20mm.-285 6-303-1000	Armor L.P. Tanks S.P. Glass	N.A.P. thru Dayton SAC 11/8/42
BRISTOL Beaufighter Two Eric.Hercules VI	1300/13500 1530/15500 1610	333/15600/- -	- 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	N.A.P. thru Dayton SAC 11/8/42
DeHAVILLAND Mosquite Two RR-Merlin XXI	1180/18000 1170/21000 1280	380/22000/- -	- 29500	2175 2535	1205/210/ -	483 -	1000 -	19822	54'2" 41'2" 450 Sq. Ft.	4-20mm.-150 4-303-500	-	N.A.P. thru Dayton SAC 11/8/42
FAIRY Firefly One RR-Griffon II	1365/17000 1380/19000 1755	338/21000/- -	10.2/20000 30600	1950 -	700/202/ -	- -	None -	8731 11372	44'6" 37'0" 328 Sq. Ft.	2-20mm.-175 2-20mm.-150	-	ONI 1/23/42 PTCSGA Rept. 274

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

* Estimate

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

Prepared by: Technical Data Laboratory, Engineering Division

DECLASSIFIED
5200.9, 27. Sep 59

~~CONFIDENTIAL~~

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FIGHTER

PAGE 2

DATE: June 30, 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 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. REFERENCE TYPE			
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT WEIGHT	
FAIRY 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	16'0" 10'11" 378 Sq. Ft.	8-.303-1000 or 4-.50-350	Armor L.P. Tanks B.F. Glass	MID-ORI 11/7/42
HAWKER Hurricane IIB One RR-Merlin XX	1180/18000 1170/21000 1280	335/22000/-	5.9/15000 36600	1250 1980	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	S.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin XX	1180/18000 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. STUNGA Sept. No. 271 10/29/42
HAWKER Hurricane IID One RR-Merlin XX	1180/18000 1170/21000 1280	313/22000/-	- 34500	-	460/210/-	-	None	- 7656	40'0" 31'5" 258 Sq. Ft.	2-.303-600 2-4mm.-16	-	Air Tech. Sect. STUNGA Sept. No. 271 10/29/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	450/26000/-	- 38800	1965 2160	827/217/-	230	None	- 11600	-	4-20mm.-	-	M.A.P. thru Dayton BAC 11/2/42
HAWKER Tempest II One Bris. Centaurus IV	- 1780/18250	420/19000/-	- 36800	1830 2145	996/217/-	230	None	- 11550	-	4-20mm.-	-	M.A.P. thru Dayton BAC 11/2/42
HAWKER Typhoon IB One Napier Sabre II	1675/16250 1800/16250 2010	411/21000/- 88	7.5/20000 31600	2500 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.F. Glass	M.I.A. 10/21/41 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. 1/21/42
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.	8-.303-300	Armor L.P. Tanks B.F. Glass	AAP Dayton Flight Test
SUPERMARINE Spitfire VB One RR-Merlin XLV	1200/16000 1235/17750 1185	371/20000/-	6.6/20000 37700	1200 1830	480/185/- 335/310/-	102 102	None None	4935 6160 6160	36'10" 30'0" 212 Sq. Ft.	4-.303-350 2-20mm.-60	Armor L.P. Tanks B.F. Glass	S.A.C. 5/12/42

NOTES:

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

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

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH FIGHTER

PAGE 3

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	
					SPEEDS % POWER		WEIGHTS					
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					
SUPERMARINE Spitfire VC One RR-Merlin 61V	1200/16000 1235/17750 1185	369/29500/- -	- 36500 -	- -	1085/206/- 174/-/-	- -	None None -	- -	36'10" 30'0" 242 Sq. Ft.	1-20mm.-120	Armor L.P. Tanks	Air. Tech. Sec ETUSA Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/21000 1375	405/26500/- -	- 40250 -	2085 2220	732/233/- -	1144 -	None None -	8000 -	40'2" 31'4" 219 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 II One RR-Merlin 61	1190/25000 1300/21000 1375	406/26500/- -	442/15000 40750 -	1875 2160	472/228/- -	102 -	None None -	7450 -	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 II One RR-Griffon II	1675/16250 1800/16250 2010	391/18000/- -	- 33500 -	1980 2160	500/219/- -	156 -	None None -	9400 -	40'6" -	6-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Welkin Two RR-Merlin 61	1190/25000 1300/21000 1375	431/26000/- -	- 41000 -	1890 2850	1560/215/- -	564 -	None None -	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	None None -	10115 10222 -	45'0" 32'3" 231 Sq. Ft.	4-20mm.-60 or 12-303-	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/42

DATE: June 30, 1943

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

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

PAGE 4

CONFIDENTIAL
BRITISH, BOMBARDMENT

DATE: June 30, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./B.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BRS OF AMM PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	SOME NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT WEIGHT
AEMS. -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 -	84'10" 69'4" 1233 Sq. Ft.	1-303-600 1-303-1000	-	Air Tech. Sec. ETOUSA Rept. No. 274 10/29/42
AVRO Lancaster I Four RR-Merlin IX	1180/18000 1170/21000 1250	280/20000/-	18.5/15000 a. 25000 b. 29500	4200 2550	3000/185/- 2510/185/- 1130/185/-	3038 2556 1233	None 4250 12750	35300 60000 60000	102'0" 68'11" 1297 Sq.	1-303-2500 1-303-1000 2-303-500	Armor L.P. Tanks B.P. Glass	A.D./P.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	2350/195/- 2450/195/- 1075/195/-	3038 2556 1200	None 3900 12750	37970 63000 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./P.D.T.I M.A.P.
BRISTOL Beaufort I Two Bristol Taurus VI	985/3750 1130/3500 1085	270/5500/-	- 19500	- -	1785/155/-	- -	- 500	- 19000	58'0" 44'7" 503 Sq. Ft.	2-303-400 2-303-500	-	Air Tech. Sec. ETOUSA Rept. No. 274 10/29/42
BRISTOL Blenheim IV Two Bristol Mercury XV	- 825/13000 920	266/15000/-	7/10000 27000	- -	1410/270/ 75%	- 720 333	- 1100 1600	8250 11100 11100	56'4" 42'0" 469 Sq. Ft.	1-303	Armor L.P. Tanks	Aeroplane 3/29/42 M.I.D. 3/28/41
BRISTOL Blenheim V Bristol Mercury XV	- 825/13000 920	244/6000/-	- 19500	- -	1230/170/-	- -	- 1000	- 17010	56'4" 42'0" 469 Sq. Ft.	1-303-400 1-303-1000	-	Air Tech. Sec. ETOUSA Rept. No. 274 10/29/42
BRISTOL Buckingham Two Bris. Centaurus IV	- 1720/18250	330/19250/-	16.0/15000 a. 22500 b. 27200	4350 2400	3500/215/- 1670/281/- 1670/281/-	1890 1260 1260	None 1200 1600	21270 36800 36550 36550	71'9.6" 46'5" 710 Sq. Ft.	2-303-1000 2-303-700	-	A.D./P.D.T.I M.A.P.
DeHAVILLAND Mosquito MK V Two RR-Merlin XXI	1120/18000 1170/21000 1250	379/22200/- 102	1/1700 28800 *	2650 2400	1720/- / - 1640/- / -	- 643 643	- 2000 2500	15120 20510 21310	54'2" 41'2" 450 Sq. Ft.	None	Armor L.P. Tanks B.P. Glass	I.T.M. #11 ETOUSA Delh. Canada
FAIRY Albacore One Bris. Taurus XII	985/3750 1130/3500 1085	170/4800/- 68-63	10.3/10000 14400	- -	790/111/- 680/105/-	234 234	None 1500	7103 9900 12100	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	1210/7250 1260/8750 1300	235/11000/-	- 21000	- -	655/138/-	- -	- 1610	- 13177	- -	2-303 1-303-600 (Reconn. Only)	-	Air Tech. Sec. ETOUSA 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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

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

DATE: June 30, 1943

MODEL & R. 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
PAIRREY Swordfish One Bris. Pegasus III or 30	- -	114/5500/- 7148	12.6/1000 17000	- -	**672/103.5 466/103.5	201 201	None 1500	510L 7853 9245	15'6" 36'4" 607 Sq. Ft.	0-.303- 600 L.P. Tanks Only	BTI-CHEI 11/7/42
HANLEY PAGE Halifax II Four BR-Merlin XX	1180/18000 1170/21000 1280	258/13000/- -	25.0/15000 a. 21000 b. 25000	3900 3550	2260/195/- 1785/195/- 650/195/-	2815 2264 936	None 1250 13000	36855 59000 99000 99000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1200 Rds. Res. Armor L.P. Tanks B.P. Glass	A. D./R. D. T.
HANLEY PAGE Halifax III Four Bris. Hercules VI	1300/13500 1530/15500 1610	270/15500/- -	25.0/15000 a. 19000 b. 23000	3900 2700	2540/-/- 1810/-/- 630/-/-	3090 2264 924	None 1450 13000	37700 63000 67000 83000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1200 Rds. Res. Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. A. P.
HANLEY PAGE Hampden Two Bris. Pegasus XVIII	750/14750 885/15000 965	239/13600/- 73	26.5/15000 19000	3300	-/-/- 1720/-/- 700/-/-	- 785 376	- 2000 5000	12764 - 22500 22500	69'2" 53'4" 737 Sq. Ft.	6-.303 L.P. Tanks	B. A. C. 5/12/42
SHORT Shetland Four Bris. Centaurus 3 S.M.	1650/19000 2000/20000 2100	242/3250/- -	8.7/5000 a. 12500 b. 17000	- -	3620/-/- 3920/-/- 1130/-/-	7000 5690 2520	None 1000 21000	71000 120000 120000 120000	150'6" 110'9" 2636 Sq. Ft.	4-.50- 1000 1-.50- 950 4-.50- 300	A. D./R. D. T. M. A. P.
SHORT Stirling I Four Bris. Hercules XI	1200/14000 1510/11250 1590	265/10500/- -	34.3/15000 a. 16500 b. 20500	4200 3300	2125/200/- 2050/200/- 915/200/-	3230 2706 1392	2250 5750 14000	43200 70000 70000 70000	99'0" 87'0" 1460 Sq. Ft.	8-.303- 1000 Armor 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 1610	285/15500/- -	25.4/15000 a. 13000 b. 22000	4200 3300	2145/200/- 2015/200/- 820/200/-	3230 2706 1314	1500 5000 14000	43515 70000 70000 70000	99'0" 87'0" 1460 Sq. Ft.	10-.303- 1000 Armor 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 1900 4200	31517 58000 58000 58000	112'0" 85'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700 Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. A. P.
SHORT Sunderland IV Four Bris. Hercules XVII	- 1675/15000/- -	264/9500/- -	6.5/5000 a. 14500 b. 19000	6600	3135/-/- 2845/-/- 2545/-/-	1080 3750 3450	None 1900 4000	41910 73350 73350 73350	112'9" 85'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700 Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. A. P.
VICKERS Warwick I Two P/W Wasp SIAI-C	- 1500/14000	213/14000/- -	- 20000	4500 3300	1780/180/- 1460/180/- 815/180/-	1458 1223 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

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

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

PAGE 6

DATE: June 30, 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 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	
					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	277/20000/- -	20.0/15000 a. 23000 b. 26500	3000 3300	1675/180/- 1380/180/- 1070/180/-	1458 1223 978	5100 6500 8000	29000 47500 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 -	86'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec ETOUS A Rept. No. 274 10/29/42
VICKERS Wellington II Two BR-Merlin X	960/13000 1010/17750 1075	244/17000/- -	33.5/15000 18000 -	4050 -	- 1580/195/- -	- 900 737	- 3500 4500	20050 32000 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 -	- -	2200/185/- 1500/185/- -	- -	1500 4500 -	- 34500 -	86'0" 60'10" 830 Sq. Ft.	8-.303-1000	-	Air Tech. Sec ETOUS A Rept. No. 274 10/29/42
VICKERS Wellington VI Two BR-Merlin IX	1035/30000 1035/30000 1225	312/32000/- -	65/35000 a. 36700 b. 38500	3078 2355	- -	- -	- 4500 -	20290 - -	86'2" 62'5" 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. 24000	2850 2550	2110/185/- 1490/185/- -	1236 900 -	1500 4600 -	- 34500 -	86'0" 60'10" 830 Sq. Ft.	6-.303-1000 2-.303- 500	-	A. D./R. D. T. I M.A.P.

NOTES: a. Service ceiling at maximum weight
 b. Service ceiling at mean weight
 * Maximum weight at take-off
 A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
 B-OFFICIAL PERFORMANCE REPORT NO.
 C-PRELIMINARY FLIGHT TEST

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 7

BRITISH - FIGHTERS (U.S. BUILT)

DATE: June 30, 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. CRUL.-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				
BELL P-400 "AIRACOBRA -1" One W-1710-BL	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	- -	5878 7982 7835	34'10" 29'10" 21.5 Sq. Ft.	4-.30-1000 2-.50-270 2-20mm-60	AAEE-774 & AFIU-No.34
CURTISS HK-81A "TOMAHAWK I" One W-1710-C-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	2-.50 4-.30	AAEE-763, a
CURTISS HK-81A "TOMAHAWK II" One W-1710-C15	- -	343/16000 83	7.7/15000 31100	1320	- -	158 101	- -	- -	- -	2-.50 4-.30	AAEE/763
CURTISS HK-87A "FITZTHUM I" One W-1710-F3R	1000/11000 1150/11800 1150	332/14400 322/16200	14.2/20000 28700	-	a b 1060/- / - b 650/- / -	199 148	- -	5973 8866 8480	37'4" 31'9" 236 Sq. Ft.	6-.50-2160T	AAEE/783
CURTISS HK- "FITZTHUM II" One W-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 B-1830-83C4G	1000/12500 1050/13100 1200	- -	- -	- -	- -	- 326	- -	11775 15332	61'4" 47'3" 465 Sq. Ft.	- -	-
DOUGLAS DB-7 "HAWK II" Two B-2600-A5B	1275/11500 1600	329/13000	-	2640 **	- -	326 458	- -	14144 17741 18751	48'10" -	- -	AAEE/771
GRUMMAN G-36 "MARTLETT I" One B-1820-6205A	900/15200 1200	- -	- -	1560	- -	- -	- -	- -	- -	4-.50-	AAEE/762
GRUMMAN G-36 "MARTLETT-II" One B-1830-53C4G	1000/12500 1050/13100 1200	- -	- -	1710	890/- / - -	160 130	- -	5489 7790 7550	38'3" 29'1" 261 Sq. Ft.	6-.50-225	AAEE/762, a
GRUMMAN G-36 "MARTLETT III"	-	NO DATA	AVAILABLE	-	-	-	-	-	-	NO DATA AVAILABLE	-

NOTES:
 --Tested with Jettisonable fuel tank Gr.Wt. 8840#
 **--At 17500# and 0° flap
 a--Allowance made for warm up, take off, etc.
 b--Still air range.
 c--Another test at 7300# gave 331 MPH
 d--At weight = 6366#
 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

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 9

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: June 30, 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	REFEREN.	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					NONE NORMAL MAXIMUM
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/15200 1200	253/15100	- - -	2100 -	13 hrs. 7.5 hrs.	896 644	- 1080	- -	65'6" 44'3" 551 sq. ft.	2-.303-1500 3-.303-900 Tot. 2-.303-2000	AAEE/739, d.
LOCKHEED 414 "HUDSON IV" Two R-1830-SC36	- -	260/10000	12.0/10000	2620	- -	- -	- -	- -	- -	- -	AAEE/73, d.
LOCKHEED 414 "HUDSON V" Two R-1830-S304-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	- -	- -	- -	-
LOCKHEED VEGA 37 "VENTURA" Two R-2500-S1419	1500/7500 1850/2700 1850	- -	- -	- -	- -	565	2500	1748 26700	- -	1-.303-1000 2-.303-750 2-.50-250	AAEE/790
MARTIN 167 MARYLAND I Two R-1830-SC36	900/12000 1050/7700	294/9000 80	12.1/15000 27250	1560	1870/179/ -	750 U.S.	- -	11000 17890 15870 17890 Test	61'4" 46'8" 512 sq. ft.	6-.303-500	AAEE/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
MARTIN 187 BALTIMORE I Two R-2500-A5B5	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	- -	1-.30 1-.30-500 2-.30-1000 2-.30-1000	-
MARTIN 187 BALTIMORE II Two R-2500	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-2500-A5B5	1275/11500 1600	301/10400	10.5/11000 23500	- -	770/ - / -	488	2000	- 20330	- -	- -	AAEE/782, s.
NORTH AMERICAN NA90 MITCHELL I Two R-2500-9	1350/13000 1150/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	AAEE/794

NOTES:

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

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

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 10

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: June 30, 1945

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				
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-	-	AAEE/770, a and AA/REIT
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE						
CONSOLIDATED-1b-30 "LIBERATOR I" Four B-1830-83C4G	1000/12500 1050/13100 1200	-	-	2800	-	-	-	110'0" 66'0" 104 Sq. Ft.	-	-	AAEE/759
CONSOLIDATED-1b-30 "LIBERATOR II" Four B-1830-83C4G	1000/12500 1050/13100 1200	250/14000/-	-	-	2200/-/-	-	8000	-	4-.303-600 + 600 res. 4-.303-2200 4-.303-1000 2-.303-500	-	R. P. D. U. No 144
CONSOLIDATED-1b-30 "LIBERATOR III" Four B-1830-143	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3685	3000/-/- 2180/-/- 1540/-/-	3120 2270 1610	None 4000 8000	33500 - -	-	-	AAEE/769, a
DOUGLAS DB-7 "BOSTON I" Two B-1830-8030	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/-/- **750/-/- 880/180/-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON II" Two B-1830	-	-	-	-	-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON III" Two B-2500-A5B	1275/11500 1600	312/13000/-	-	3540 a. 2835 b.	620/170/- 880/170/-	512 382 526	- 2000 2000	15718 23000 21550 22100	4-.303-500 4-20mm-60 2-.303-500	-	AAEE/752, c
LOCKHEED 214 "HUDSON I" Two B-1820-G102A	900/8700 1100	299/8000/-	-	2970	-	-	-	-	-	-	AAEE/739
LOCKHEED-1214 "HUDSON II" Two B-1820-G102A	900/8700 1100	-	-	-	-	-	-	20500 - test	-	-	AAEE/

NOTES:

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

* At 53000# gross weight
** Estimated
a At 23000# gross weight with 15° flap
b At 21500# gross weight with 15° flap
c Armament used in "INTRUDER" version
d At 17500# gross weight

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 11

BRITISH BOMBARDMENT (U.S. BUILT)

DATE: June 30, 1945

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 15' OBS. LAND OVER 15' OBS.	RANGE with @ SPEEDS & POWER		FUEL with BOMBS	WEIGHTS WT. EMPT 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)						
NORTH AMERICAN NA-90 MITCHELL II Two B-2500-13	1350/13000 1450/12000 1700	294/14800 -	10.8/15000 26700 -	- -	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.30 -	-	AAAE/794A
VOUGHT SIKORSKY V-156 CHESAPEAKE I One B-1535-SB40	750/5800 825	222/4700 -	20.0/10000 16000 -	2300 -	1170/-/- -	245 (U.S.) -	500 -	9040 -	- -	4-.30- 1-.30-1400	-	AAAE/773
VOUGHT SIKORSKY KINGFISHER I One B-985-AN-2	- -	** 163/3900 -	** 29.2/10000 11600 -	** 2130 -	- 730/106/- 140/106/-	244 100 80	- 500	3620 -	- -	1-.30-500 1-.30-600	-	AAAE-789
VULTURE VENGEANCE I One B-2600-ASB-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	6-.30-	-	

NOTES:

* At 8940ft
 ** 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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

PAGE 12

DATE: JUNE 30, 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 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				
FOCKE-WULF 190A-3 (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 9800	34'6" 29'2" 203 SQ. FT.	2-7.9mm - 4-20mm -	ALL TECH. DATA FILES.
FOCKE-WULF 190A-4 (1) BMW - 801D-2 FIGHTER BOMBER	1755/3250 1695/ SL	320/19000	10.25/18000 34500 NONE	- -	870/270/ - -	296 138 138	NONE 550 1100	- 10350 -	34'6" 29'2" 203 SQ. FT.	2-7.9MM- 2- 20MM-	ALL *
JUNKERS JU-88C2 (2) JUNKERS JU-211P NIGHT FIGHTER	1075/13300	285/16000	15/16500 29000 -	2400 -	1790/230/ - 850/240/ -	94.8 444 -	NONE - 1100	26000 22200 -	66'0" 47'0" 590 SQ. FT.	3-7.9MM- 500 3-7.9MM-1000 1- 20MM- 450	ALL *
MESSERSCHMITT ME-109E (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 *
MESSERSCHMITT ME-109F-4 (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 *
MESSER: ME-109G2,4,6 (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 *
MESSER: ME-110C-4 (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- 240	ALL *
MESSER: ME-210A, B, C, D (2) DAIM.BENZ:DB-601F 2 ENGINE FIGHTER	1400/15000	368/20000	10.6/16500 33000 -	- -	1300/323/ - 1280/320/ -	804 660 660	NONE - 1100	- 20250 21350	53'9" 40'3" 390 SQ. FT.	2-7.9MM- 2-13 MM - 2- 20MM -	ALL *

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

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY, BOMBARDMENT

PAGE 13

DATE: 100 00 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. ML. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL - 1/2 ENGL. OUT	T. O. & LAND T. O. OVER 49 OBS. LAND OVER 26 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM PER GUN	COMBAT P.O. REFERENCE TYPE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT
<u>Dornier Do-17z</u> (2) DAIM. WENZ. DB-601A BOMBER	- 1040/13600 -	275/15000 -	10/15000 34000 -	- -	1315/235/ 810/235/ -	648 428 408	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) DB - 601A BOMBER	- 1650/15300 -	325/17000 -	16/17000 29000 -	- -	2150/220/ 1310/255/ 960/245/ -	1650 780 780	NONE 4400 6600	34000 32000 34000	62'5" 56'0" 610 SQ. FT.	1- 20MM- 2-7.9MM- or 4-7.9MM- 2- 13MM-	ALL
<u>Focke-Wulf 200C</u> (1) BRUNO-PAPNIE 323R HEAVY BOMBER	- 940/12000 -	250/13000 -	11.7/15000 30500 -	- -	2270/215/ -	2112 690 1000	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/ 1500/215/ 1240/195/ -	1132 912 848	NONE 4400 6200	26600 25300 31000	73'10" 55' 8" 940 SQ. FT.	2- 20MM- 7-9 7.9MM-	ALL
<u>Heinkel 117</u> (2) DAIM. WENZ. DB-606 BOMBER	- 2500/15000 -	295/17000 -	22/17000 31000 -	- -	3150/220/ 1315/255/ -	- 3696 -	NONE 10000 15800	- 67000 -	103'0" 87'5" 1100 SQ. FT.	(EST.) 6-10: 13MM	ARMOR
<u>Henschel HS-129</u> (2) GOME-ROBINE HM BOMBER	- 800/8000 -	275/9000 -	7/10000 29500 -	3000 1800	690/150/ -	210 150 160	NONE 220 770	- 11400 12000	44'5" 33'4" 395 SQ. FT.	2-7.9MM- 2- 20MM- 1- 30MM-	ALL
<u>Junkers JU-52/3M</u> (3) BMW - 132A TROOP TRANSPORT	- 660/ 5L -	165/5L -	- 21000 -	1920 1800	790/132/ 550/132/ -	640 455 -	- 22 TROOPS -	23100 -	95'10" 82' 0" 1190 SQ. FT.	5-7.9MM-	NONE
<u>Junkers Ju-207A</u> (2) JUNKERS JU-207A FRONT-CABIN BOMBER	- * 950/26000 -	280/30000 -	- 42000 -	1980 2280	1700/-/ 1500/240/ -	640 580 -	NONE 1760 2200	- 22900 -	* 78'0" 53'0" 900 SQ. FT.	NONE	NONE
<u>Junkers Ju-87D</u> (1) JUNKERS JU-211J DIVE BOMBER	- 1300/12500 -	255/13500 -	19/15000 30000 NONE	- -	1220/150/ 720/180/ 620/185/ -	360 195 195	NONE 2200 4000	11500 12500 14300	45'4" 36'6" 335 SQ. FT.	4-7.9MM-	ALL
<u>Junkers Ju-88A-5</u> (2) JUNKERS JU-211F BOMBER	- 1075/13300 -	273/14000 -	31.8/17500 28000 -	3000 1640	1853/224/ 1195/230/ 540/225/ -	1190 770 445	NONE 2200 6400	26500 26000 27600	66'0" 47'0" 590 SQ. FT.	1- 20MM- 7-7.9MM-	ALL

NOTES: * ESTIMATED

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

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE ITALIAN FIGHTERS AND BOMBERS PAGE 14

DATE: JUNE 30, 1945.

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T.O. & LAND T.O. OVER 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	TECH DATA FILES	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT
FIAT G-20 (1) FIAT A74RC-38 FIGHTER	840/12500	300/14500	6.4/15000 34000 NONE	- - -	410/258/- 325/258/- 250/257/-	83 68 55	NONE NONE 317	5450 5200 5450	35'4" 29'6" 190 sq. FT.	2-12.7MM-	ARMOR	
MACCHI MC-202 (1) DAIN.BENZI:DB-001A FIGHTER	1150/16000	350/20000	7.2/18000 36000 NONE	- - -	425/310/- - -	105 - -	NONE - -	6100 - -	34'9" 29'2" 191 sq. FT.	2-12.7MM-350	ARMOR	
REGGIANNE RE-2001 (1) DAIN.BENZI:DB-001A 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	
CANTIERI C-500B (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	
CANTIERI C-1107 (3) PIAGGIO P11-RC10 BOMBER	1000/13000	280/15000	11.7/15000 31500 -	- - -	1530/235/- 920/235/- 390/225/-	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	
FIAT BR-20 (2) FIAT ASOR041 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-		
PIAGGIO P-108 (4) PIAGGIO P111RC-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-		
SAVOIA MARCHETTI - 79 (3) ALFA-ROMEO 126RC34 BOMBER	750/11000	255/12500	10.25/10000 28000 -	- - -	1510/211/- - -	1345 890 965	NONE 2750 2940	26700 23070 26700	69'6" 54'6" 667 sq. FT.	2-7.7MM- 3-12.7MM-		
SAVOIA MARCHETTI - 84 (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:

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

* ESTIMATED

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART JAPANESE AIR FORCE AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

PAGE 15

DATE: June 30, 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 SPEEDS % POWER			WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
TYPE 97 SSF KATE ONE HIKARI FIGHTER	800/13000	280/13700/-	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 NE-1 FIGHTER	950/13750	326/16000/-	2750/ S.L. 36500	-	1180/119/- 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 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	350/17000/-	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 TRIP. BOMBER	1000/ - / -	230/10000/-	24000	-	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/-	2.1/3300*	-	2140/150/- 1200/180/-	810 651	2000 4400	- -	72 52	7-7.7mm - (300-700 Rds.)	NONE " "
TYPE 1 M/B BETTY TWO KAESI 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 F/P RUFE ONE NAKAJIMA I SAKAE 12NK-1 SEAPLANE FIGHTER	950/13750/-	280/16000/-	2500/ S.L. 36500	-	1180/119/- 895/146/-	** 225 139	-	4115 6436 5920	39'5" 33'2" 248 Sq. Ft.	2-7.7mm -500 2-20mm - 60	" "
TYPE 0 R F/P PETE ONE SUISEI 13 REC. FLOAT PLANE	-	220/ 9000/-	26000	-	-	-	-	4192 5623	37' 26'6"	2x7.7mm- 500 1x7.7mm -700	NONE " "

NOTES:
* - Jettisonable fuel tank.
** - Extra fuel carried in main float.
X - This is 0 SSF ZEKE equipped with 1 main and two wing tip floats.
AC-AIR CORPS
DA-DEFENSE AID
PO-PURCHASE ORDER

JAPANESE DO NOT USE NAME OF MANUFACTURERS
IN DESIGNATING THEIR AIRCRAFT

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART RUSSIAN AIR FORCE
AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 17

CONFIDENTIAL
RUSSIAN AIR FORCE

DATE: June 30, 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				
I-16 M-63 Engine Fighter	- 1000	290/13000/-	- 22000 None	-	160/220/-	-	-	1910 6100	31'3" 21'11" 20 1/2 Sq. Ft.	2- MG 2-20mm Cannon	- Spotter 7-21/41
I-17 M-100 Engine Fighter	- 1100	306/12780/-	5.2/12780 36000 None	-	611/273/-	-	-	-	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/- 125/204/-	105 105	0 1110	6000 6500	25'6" 22'0"	2-7.6 mm 1-12.7 mm	Armor M. I. D. 9/16/41
IL-2 (Stormovik) Dive Bomber	1150/92000	270/10000/-	-	-	-	-	-	-	2-20 mm 3-7.6 mm	Armor L.P. Tanks B.P. Glass	M. I. D. 10/8/41
TB-6 Four, M-4 Engines Heavy Bomber	- 600	250/-/-	24/13000 26000	-	1250/-/-	-	6600	-	-	6 MG	- M. I. D. 4/26/41
SB-3 Two, M-10 Engines Bomber	860/13780	260/-/-	20/26218 26218	-	620/217/-	1411	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	950/114000	270/16000/-	16/16100 26500	-	2500/160/- 1160/230/- 1000/210/-	1000 808 510	3300 2200 6100	21750 18700 21750	70'0" 17'0" 708 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm-650	- Air Min. -
PB-2 Two, M-105 Engines Dive Bomber	1000/12000	312/-	-	-	-	-	1510 2120	-	-	3-7.6mm- 1-12.7mm-	- O. N. I. 10/8/41
TB-7 Four, M-35 Engines Heavy Bomber	1200/19700	220/19700/-	80 (heavy) 55 (light)	32000	-	-	-	-	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

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

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL