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FOREIGN

MICRO FILMED

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

SEP 28 1945

Classification changed to

by authority of AC of S. G-2, WDGS

E. S. JOHNSON
Colonel, Infantry



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EO 11652

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103-12

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

APRIL 30, 1943

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MONTHLY CHART

BRITISH, FIGHTER

PAGE 1

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: April 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 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE		
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					WT. EMPTY WEIGHT WEIGHT	SPAN LENGTH WING AREA
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2250	358/18000/-	11/20000 31600	1350	1025/232/-	200	None	7929 12550	50'0" 37'6" 370 Sq. Ft.	4-20mm.-80	-	ONI 1/23/42 BTOUSA Rept. 274
BLACKBURN Roc I One His. Perseus XII	905/6500 745/4500 830	223/17500/- 77	25.5/15000 18200	-	650/130/-	140	None 500	6157 8042	46'2" 35'7" 312 Sq. Ft.	4-303-600	None	MID-ONI 11/7/42
BLACKBURN Skua I One His. Perseus XII	905/6500 745/6500 830	225/6700/- 83	22.1/15000 19100	-	900/130/- 600/130/- 600/130/-	136 136 141	None 500 500	5940 8320 8376 8142	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	8.9/15000 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	B.A.C. 5/12/42
BOULTON PAUL Defiant II 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	-	B.A.C. 5/12/42
BRISTOL Beaufighter I Two His. Hercules XI	1200/14000 1510/11250 1590	324/11750/-	- 30000	1785 2580	1515/225/-	660	None	13931 21120	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 SAC 11/8/42
BRISTOL Beaufighter II Two RR-Merlin XX	1180/18000 1170/21000 1250	329/20400/-	- 30000	2070 2505	1510/228/-	660	None	12895 20374	57'10" 41'6" 451 Sq. Ft.	4-20mm.-253 6-303-1000	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
BRISTOL Beaufighter III Two His. 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.-240 6-303-1000	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
DEHAVILLAND Mosquito VI Two RR-Merlin XXI	1180/18000 1170/21000 1280	350/22600/-	- 29500	2175 2535	1205/240/-	483	1000	19822	54'12" 41'2" 450 Sq. Ft.	4-20mm.-150 4-303-500	-	M.A.P. thru Dayton SAC 11/8/42
FAIRY Firefly One RR-Griffon II	1365/17000 1580/19000 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 BTOUSA Rept. 274

NOTES: * Estimate
AC-AIR CORPS
LA-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

BRITISH, FIGHTER PAGE 2 DATE: April 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. CELL CHL-11 ENGS OUT	T. O. & LAND T. O. OVER 90° OBS. LAND OVER 90° OBS.	RANGE with & SPEEDS % POWER		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 1250/8750 1300	264/9600/- 75	20.3/20000 24000	- -	925/150/- -	186 -	None 500	7575 9980	16'0" 40'4" 378 Sq. Ft.	8-.303-1000 or 4-.50-360	Armor L.P. Tanks B.P. Glass	MID-ONI 11/7/42	
HAWKER Hurricane IIB One RR-Merlin XI	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	B.A.C. 5/12/42	
HAWKER Hurricane IIC One RR-Merlin XI	1180/18000 1170/21000 1280	327/20500/- -	- 36000	1770 2160	480/211/- -	116	None	5655 7580	40'0" 31'5" 258 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Sect. ETCUSA Rept. No. 274 10/29/42	
HAWKER Hurricane IID One RR-Merlin XI	1180/18000 1170/21000 1280	313/22000/- -	- 34500	- -	460/210/- -	- -	None	- 7656	40'0" 31'5" 258 Sq. Ft.	2-.303-600 2-40mm.-16	-	Air Tech. Sect. ETCUSA Rept. No. 274 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 SAC 11/8/42	
HAWKER Tempest II One Bris. Centaurus IV	- 1780/18250 -	420/19000/- -	- 36800	1830 2445	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 34600	2500 2220	610/238/- 410/344/-	124 124	None None	8337 D 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 One RR-Merlin XLV	1200/16000 1235/17750 1185	373/19500/- -	5.2/15000 37600	- -	500/211/- -	102	None	- 6212	36'10" 30'0" 242 Sq. Ft.	8-.303-300	Armor L.P. Tanks B.P. Glass	AAF Dayton Flight Test	
SUPERMARINE Spitfire One RR-Merlin XLV	1200/16000 1235/17750 1185	371/20000/- -	6.6/20000 37700	1200 1830	480/185/- 335/310/-	102 102	None None	4835 6160 6160	36'10" 30'0" 242 Sq. Ft.	4-.303-350 2-20mm.-50	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/42	

NOTES:
AC - AIR CORPS
DA - DEFENSE AID
PO - PURCHASE ORDER
* Estimate
** At weight of 10835#
D Estimated take-off weight of 10500#

A - ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
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Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FIGHTER

PAGE 3

DATE: April 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.—1.1 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with SPEEDS & POWER		FUEL with BOMBS	WEIGHTS WT. MFT. 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)						
SUPERMARINE Spitfire VC One RR-Merlin 24V	1200/15000 1235/17150 1185	349/19500/-	- 36500	- -	1005/306/- 474/-/-	- -	None None	- -	36'10" 30'0" 212 Sq. Ft.	1-20mm.-120	Armor L.P. Tanks	Air. Tech. Sec. BT15A Sept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/24000 1375	405/25500/-	- 40350	2025 2220	732/235/-	- 114	- None	- 8000	40'2" 31'4" 219 Sq. Ft.	4-303-350 2-20mm.-120	Armor L.P. Tanks S.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Merlin 61	1190/25000 1300/24000 1375	406/25500/-	442/15000 40750	1875 2160	472/228/-	- 102	- None	- 7400	36'10" - 212 Sq. Ft.	4-303-350 2-20mm.-120	Armor L.P. Tanks S.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire XI One RR-Griffon II	1675/16250 1800/16250 2010	391/18000/-	- 33500	1980 2140	500/219/-	- 156	- None	- 9400	40'6" - -	6-20mm.-120	Armor L.P. Tanks S.P. Glass	M.A.P. thru Dayton SAC 11/8/42
WESTLANDS Welkin Two RR-Merlin 61	1190/25000 1300/24000 1375	431/26000/-	- 44000	1890 2850	1560/215/-	- 564	- None	- 16700	- - -	6-20mm.-120	-	M.A.P. thru Dayton SAC 11/8/42
WESTLANDS Whirlwind Two RR-Ferragrine I	860/13500 890/15000 855	330/15800/-	8.4/20000 30000	1890 2250	590/190/- 370/305/-	163 103	None None	8040 10115 10222	45'0" 32'3" 231 Sq. Ft.	4-20mm.-60 or 12-303-	Armor L.P. Tanks S.P. Glass	S.A.C. 5/12/42

NOTES:

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

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

PAGE 4

BRITISH, BOMBARDMENT

DATE: April 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.-1.7 ENGS. 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.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM	WT. HMPTY WEIGHT WEIGHT						
ARMS. -WHITWORTH Whitley V Two RR-Merlin I	960/13000 1010/17750 1075	225/17000/-	- 19000	- -	1935/170/- 1365/170/- 1470/170/-	- -	1250 3500 7000	- -	32000	21'0" 66'4" 1233 Sq. Ft.	1-.303-600 1-.303-1000	-	Air Tech. Sec. ETUSA Rept. No. 274 10/29/42	
AVRO Lancaster I Four RR-Merlin XX	1180/18000 1170/21000 1280	280/20000/-	18.5/15000 a. 25000 b. 29500	4200 2550	3000/185/- 2510/185/- 1130/185/-	3038 2556 1233	None 4250 12750	50000 60000 60000	35500	102'0" 66'11" 1297 Sq. Ft.	4-.303-2500 1-.303-1000 2-.303- 500	Armor L.P. Tanks B.F. Glass	A. D./R. D. T. I M. A. P.	
AVRO Lancaster II Four Brit. Hercules VI	1300/13500 1530/15500 1610	291/15500/-	20/15000 a. 21000 b. 25000	3000 2400	2950/195/- 2450/195/- 1075/195/-	3038 2556 1200	None 3900 12750	63000 63000 63000	37970	102'0" 66'11" 1297 Sq. Ft.	4-.303-2500 1-.303-1000 2-.303- 500	Armor L.P. Tanks B.F. 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" 14'7" 503 Sq. Ft.	2-.303-400 2-.303-500	-	Air Tech. Sec. ETUSA 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	- 11400 11400	8250	56'4" 42'9" 469 Sq. Ft.	4-.303	Armor L.P. Tanks	Aeroplane 3/29/40 M. I. D. 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. ETUSA Rept. No. 274 10/29/42	
BRISTOL Buckingham Two Brit. Centaurus IV	- 1780/18250	330/19250/-	16.0/15000 a. 22500 b. 27200	4350 2100	3500/215/- 1670/281/- 1670/281/-	1850 1260 1260	None 4200 4000	35800 36550 36550	21271	71'9.6" 46'5" 710 Sq. Ft.	8-.303-1000 2-.303- 700	-	A. D./R. D. T. I M. A. P.	
DEHAVILLAND Mosquito MK V Two RR-Merlin XXI	1180/18000 1170/21000 1280	379/22200/- 102	1/1700 28800 *	2650 2400	1720/-/- 1640/-/-	- 643 643	2000 2500	20540 21310	15129	54'2" 41'2" 450 Sq. Ft.	None	Armor L.P. Tanks B.F. Glass	I. T. M. #11 DeH. Canada	
FAIRY Albacore One Brit. Taurus XII	985/3750 1130/3500 1085	170/4800/- 68-83	10.3/10000 11400	- -	790/114/- 680/105/-	234 234	None 1500	9900 12420	7103	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-.303-600 (Reconn. Only)	-	Air Tech. Sec. ETUSA Rept. No. 274 10/18/42	

NOTES:

AC-AIR CORPS

DA-DEFENSE AID

PO-PURCHASE ORDER

* Operational ceiling: 500 ft./min rate of climb
 ** Normal recon. 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

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDIER

PAGE 5

BRITISH, BOMBARDIER

DATE: April 30, 1942

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER BY OBS. LAND OVER BY OBS.	RANGE with SPEEDS & POWER			WEIGHTS WT. EMPTY WEIGHT WEIGHT	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					
FAIREY Swordfish One Bris. Pegasus III or 30	- -	114/5500/- 74.8	12.6/1000 17000	- -	**672/103.5 -	201 -	None -	5100 7853 9245	45'6" 36'4" 607 Sq. Ft.	2-.303- 600	L.P. Tanks Only	WID-ONI 11/7/42
HANLEY PAGE Halifax II Four RE-Merlin XX	1180/18000 1170/21000 1280	258/19000/- -	25.0/15000 a. 21000 b. 25000	3900 2550	2260/195/- 1785/195/- 650/195/-	2815 2264 936	None 1250 13000	36255 59000 59000 59000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1800 Rds. Res.	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. & P.
HANLEY PAGE Halifax III Four Bris. Hercules VI	1300/13500 1530/15500 1610	270/15500/- -	25.0/15000 a. 19000 b. 23000	3900 2700	2510/-/- 1810/-/- 630/-/-	3090 2264 924	None 1450 13000	59700 63000 63000 63000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 1800 Rds. Res.	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. & P.
HANLEY PAGE Hampden Two Bris. Pegasus XVIII	750/11750 885/15000 965	239/13800/- 73	26.5/15000 19000	3300 -	-/-/- 1720/-/- 700/-/-	- 785 376	- 2000 5000	12764 22500 22500	65'2" 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	218/3250/- -	8.7/5000 a. 12500 b. 17000	- -	3620/-/- 2920/-/- 1130/-/-	7000 5690 2520	None 1400 21000	71000 120000 120000 120000	150'6" 110'9" 2636 Sq. Ft.	1-.50- 1000 1-.50- 950 1-.50- 300	-	A. D./R. D. T. M. & P.
SHORT Stirling I Four Bris. Hercules XI	1200/11000 1510/11250 1590	265/10500/- -	34.3/15000 a. 16500 b. 20500	1200 3300	2185/200/- 2050/200/- 915/200/-	3230 2706 1392	2250 1400 11000	13200 70000 70000 70000	99'0" 87'0" 1160 Sq. Ft.	8-.303- 1000	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. & P.
SHORT Stirling III Four Bris. Hercules VI	1300/13500 1530/15500 1610	285/15500/- -	25.4/15000 a. 18000 b. 22000	1200 3300	2115/200/- 2015/200/- 880/200/-	3230 2706 1311	1500 5000 11000	13515 70000 70000 70000	99'0" 87'0" 1160 Sq. Ft.	10-.303- 1000	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. M. & P.
SHORT Sunderland III Four Bris. Pegasus XVIII	750/11750 885/15000 965	196/3000/- -	- a. 11700 b. 15600	9900 -	2970/-/- 2300/-/- 1895/-/-	3060 2566 2235	None 1900 4000	31517 58000 58000 58000	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. & P.
SHORT Sunderland IV Four Bris. Hercules XVII	- 1675/9500/- -	264/9500/- -	6.5/5000 a. 11500 b. 19000	6600 -	3135/-/- 2815/-/- 2515/-/-	4080 3780 3150	None 1900 4000	11910 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. & P.
VICKERS Warwick I Two P&W Wasp SIAI-9	- 1500/14000	213/14000/- -	- 30000	4500 3300	1780/180/- 1460/180/- 816/180/-	1158 1223 768	3875 5275 8000	28750 16000 16000 16000	98'8" 72'4" 1020 Sq. Ft.	1-.303- 2000 1-.303- 1000 2-.303- 500	-	A. D./R. D. T. M. & 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

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MONTHLY CHART BRITISH, BOMBARDMENT
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 6

DATE: April 30, 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.-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
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/12400	277/20000/-	20.0/15000 a. 23000 b. 26500	3000 3300	1675/180/- 1380/180/- 1070/180/-	1458 1223 978	5100 6500 8000	29000 47500 47500	96'8" 72'4"	8-.303-1000 2-.303- 500	- - -	A. D./R. D. T. 1 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"	6-.303-1000	-	Air Tech. Sec STCUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two RR-Merlin I	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"	4-.303-1000 2-.303- 500	Yes	B. A. C. 5/12/42
VICKERS Wellington III Two Bris. Hercules XI	1200/14000 1510/11850 1590	263/11500/-	- 20000	- -	2200/185/- 1500/185/-	- -	1500 4500	- 34500	86'0" 60'10"	8-.303-1000	-	Air Tech. Sec STCUSA 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	86'2" 62'5"	4-.303-1000	-	A. D./R. D. T. 1 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/- 1190/185/-	1236 900	1500 4500	- 34500	86'0" 60'10"	6-.303-1000 2-.303- 500	-	A. D./R. D. T. 1 M. A. P.

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

a. Service ceiling at maximum weight
b. Service ceiling at mean weight
c. 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

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 7

BRITISH - FIGHTERS (U.S. BUILT)

DATE: April 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. CEIL. - 1/2 ENGR. 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)	NOSE NORMAL MAXIMUM				
BELL P-100 "AIRACOBRA -I" One Y-1710-24	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	5878 7982 7835	34'10" 29'19" 213 sq. Ft.	4-.30-1000 2-.50-270 2-20mm-60	-	AAEE-774 & AFIU-No. 34
CURTISS HK-61A "TOMAHAWK I" One Y-1710-C-15	- -	- -	- -	- -	- -	- -	- -	- -	2-.50 4-.303	-	AAEE-763, a
CURTISS HK-61A "TOMAHAWK II" One Y-1710-C15	- -	343/16000 83	7.7/15000 31100	1320	- -	158 101	- -	- -	2-.50 4-.30	-	AAEE/763
CURTISS HK-87A "KITTYHAWK I" One Y-1710-F3R	1000/11000 1150/11800 1150	332/14400 322/16200	14.2/20000 28700	-	a b	199 148	5973 8866 8480	37'11" 31'19" 236 sq. Ft.	6-.50-2160T	-	AAEE/783
CURTISS HK- "KITTYHAWK II" One Y-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 R-1830-830LG	1000/12500 1050/13100 1200	- -	- -	-	- -	- 326	11775 15332	61'4" 47'3" 465 sq. Ft.	- -	-	-
DOUGLAS DB-7 "HAWK II" Two R-2600-45B	1275/11500 1600	329/13000	- -	2610 **	- -	326 458	14144 17741 18751	48'10"	-	-	AAEE/771
GRUMMAN G-36 "MARTLETT I" One R-1820-0205A	900/15200 1200	- -	- -	1560	- -	- -	- -	- -	4-.50	-	AAEE/762
GRUMMAN G-36 "MARTLETT-II" One R-1830-530LG	1000/12500 1050/13100 1200	- -	- -	1710	890/ - / -	160 130	5189 7790 7550	38'13" 29'11" 261 sq. Ft.	6-.50-225	-	AAEE/762, a
GRUMMAN G-36 "MARTLETT II"		NO DATA	AVAILABLE								

NOTES:

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

**-Tested with Jettisonable fuel tank Gr.Wt. 8840#
***-At 17500# and 0° flap
b-allowance made for warm up, take off, etc.
#-Still air range.
a-Another test at 7300# gave 331 MPH
*-At weight = 6360#

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

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MONTHLY CHART BRITISH - BOMBARDMENT (U.S. BUILT) PAGE 9

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: April 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. 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	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/15200 1200	253/15100	-	2100	13 hrs. 7.5 hrs.	896 644	1080	55'6" 44'13" 551 Sq. Ft.	2-.303-1500 3-.303-900Tot. 2-.303-2000	-	AAEE/739, d.	
LOCKHEED 414 "HUDSON IV" Two R-1830-SC36	- -	260/10000	12.0/10000	2620	- -	- -	- -	- -	- -	-	AAEE/739, b.	
LOCKHEED 414 "HUDSON V" Two R-1830-83Cl-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	- -	- -	-	-	
LOCKHEED VEGA 37 "VENTURA" Two R-2800-S1440	1500/7500 1850/2700 1850	- -	- -	- -	- -	565	2500	17468 -	4-.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" 542 Sq. Ft.	6-.303-500	-	AAEE/765
MARTIN 167 MARYLAND II Two R-1830-	NO	DATA AVAILABLE	-	-	-	-	-	NO DATA AVAILABLE	-	-	-	-
MARTIN 187 BALTIMORE I Two R-2600-A5B5	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	4-.30 4-.30-500 2-.30-400 2-.30-400	-	-	-
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	-	770/ - / -	488	2000	20330	-	-	-	AAEE/782, a.
NORTH AMERICAN NA90 MITCHELL I Two R-2600-9	1350/13000 1450/12000 1700	- -	- -	- -	- -	- -	- -	- -	- -	-	-	AAEE/794

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

* - At 20500#
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

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 10

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: April 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. CEIL.-12 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					3 SPEEDS % POWER MAXIMUM NORMAL (WITH MAX. BOMBS)	3 SPEEDS % POWER MAXIMUM NORMAL (WITH MAX. BOMBS)	3 SPEEDS % POWER MAXIMUM NORMAL (WITH MAX. BOMBS)				
BOEING 299T "FORTRESS II" Four R-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 AD/RIT I
CONSOLIDATED 2 B "CATALINA" Two R-1830-					NO DATA AVAILABLE						
CONSOLIDATED-1b-30 "LIBERATOR I" Four R-1830-830LG	1000/12500 1050/13100 1200	-	-	2800	-	-	-	110'0" 66'0" 104 Sq. Ft.	-	-	AAEE/769
CONSOLIDATED-1b-30 "LIBERATOR II" Four R-1830-830LG	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 44
CONSOLIDATED-1b-30 "LIBERATOR III" Four R-1830-13	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3685	3000/-/- 2120/-/- 1540/-/-	3120 2270 1610	None 4000 8000	33500	-	-	AAEE/769, ^a
DOUGLAS DB-7 "BOSTON I" Two R-1830-803G	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/-/- **750/-/- 880/180/-	-	-	-	-	-	-
DOUGLAS DB-7 "BOSTON II" Two R-1830	-	-	-	-	-	-	-	-	-	-	-
DOUGLAS DB-7 "BOSTON III" Two R-2600-A5B	1275/11500 1600	312/13000/-	-	3540 a. 2835 b.	620/170/- 880/170/-	512 382 526	- 2000 2000	15718 23000 21550 22400	61'14" 47'13" 165 Sq. Ft.	4- 303-500 4- 20mm-50 2- 303-500	AAEE/752, ^c
LOCKHEED 214 "HUDSON I" Two R-1820-G102A	900/6700 1100	239/8000/-	-	2970	-	-	-	-	-	-	AAEE/739
LOCKHEED-414 "HUDSON II" Two R-1820-G102A	900/6700 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

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

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BRITISH BOMBARDMENT (U.S. BUILT)

DATE: April 30, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/E. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/1 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				
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-.50 -	-	AAEE/7914A
VOUGHT SIKORSKY W-156 CHESAPEAKE I One B-1535-824G	750/5800 825	222/1700 -	20.0/10000 16000 -	2300 -	1170/-/- -	215 (U.S.) -	500 -	9010 -	4-.50- 1-.50-1400	-	AAEE/773
VOUGHT-SIKORSKY KINGFISHER I One B-285-AN-2	- -	** 163/3900 -	** 29.2/10000 11600 -	** 2130 -	- 730/106/- 440/106/-	244 100 80	- 500	3620 - 4990 5135	1-.50-500 1-.50-600	-	AAEE-789
WULTER VENGEANCE I One B-2600-ASB-5	- -	- -	- -	- -	- -	- -	- -	- -	6-.50-	-	

NOTES:

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

* At 8910#
** At max. gross weight

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

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MONTHLY CHART
GERMAN - FIGHTER
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 12

DATE: April 30, 1942

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 CALIBRE 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	
<u>BOEKE WLF P.W. 190</u> One P.W. Sold	- / - 1100/17000 1580	390/20000 / - 110	4.75/16500 37000	900 1500	525/300 / - 375/335 / -	- 138	- 550	6240 3580	34.5" 29.4" 191 Sq. Ft.	2-20mm-200 2-20mm-60 2-7.9mm-1000	ALL	Tech. Rep. 251 Inf. Sum. #17 R.A.E. Rep. #2075
<u>MESSERSCHMITT ME109F</u> One Main. Benz DB601E	1270/16000 1200	371/22000 / - 93	3300 (init) 37800	1000 1800	600/262 / - 370/307 / -	- 105	- 550	1770 6000	33.0" 29.8" 174 Sq. Ft.	1-20mm-200 2-7.9mm-500	ALL	Aeroplane 2-6-42
<u>MESSERSCHMITT ME109E</u> One Main. Benz DB601E	1350/16000 1325	354/14760 / - 90	3100 (init) 36000	1000 1800	725/285 / - 375/300 / - 355/285 / -	185 105 105	None None 550	4360 5400	32.8" 28.8" 174 Sq. Ft.	2-20mm-60 2-7.9mm-1000	ALL	Aeroplane 2-6-42
<u>MESSERSCHMITT ME109C</u> One Main. Benz DB 605A-1	- 1450/16500	400/20000 / - -	4.75/16500 41000	- -	1000 / - / - 600 / - / -	- 102	- None	4800 6200	33.0" 29.8" 174 Sq. Ft.	2-7.9mm-400 1-20mm-200	ALL	Inf. Intell Summary #13-4a
<u>MESSERSCHMITT ME110</u> Two Main. Benz DB601F	1270/16000 1200	365/19000 / - 90	10.1/20000 31500	1000 1750	1500/215 / - 685/285 / - 515/260 / -	720 480 480	None 1100 1100	11200	53.5" 40.0" 444 Sq. Ft.	2-20mm-160 4-7.9mm-1000 1-7.9mm-750	ALL	German Airo. Intell Report #3-42
<u>MESSERSCHMITT ME 210</u> Two Main. Benz DB601F	- 1400/15000	368/20000 / - 95	10.6/16500 33000	- -	1700/227 / - 1300/323 / -	800 660	- 1100	20250	53.6" 40.13" 390 Sq. Ft.	2-20mm-300 2-7.9mm-500 2-13mm-500	ALL	MD Rept. #50155
<u>**HEINKEL HE 113</u> One Main. Benz DB603	- 1325	385 / - / - -	3300 (init) 39000	- -	- -	- -	- -	- -	30.10" 26.10" 156 Sq. Ft.	1-20mm- 2-7.9mm-	ALL	German Airo. Intell Report 3/42
<u>JUNKERS - JU 88</u> Two Junk 211J	- 1250/12500	295/14000 / - -	13.8/16500 31800	2340 2232	762/246 / - 654/278 / -	- 140	- None	16000 24000	66.0" 47.0" 590 Sq. Ft.	6-7.9mm 2-20mm	ALL	Air Publication 1976

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

* Estimate
** Night Fighter

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

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CONFIDENTIAL MONTHLY CHART **GERMAN BOMBERS** AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 13

DATE: April 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 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)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
<u>DOENICER Do. 217E</u> Two B.M.W. 801 Germany	1480/14700 1600	320/17000 75	- 25000	- -	2000/-/- 1000/-/- -/-/-	1650 780 -	- 6500 8000	- 33500	62'5" 56'6" 610 Sq. Ft.	1-20mm - 1-15mm - 4-7.9mm-	ALL	M.I.D. Report #45327
<u>HEINKEL HE 111K</u> Two D.B. 601A Germany	1050/12300 1150/12300 1175	274/12300 80	16/15000 23600	- -	2640/230/65% 2350/230/58% -/-/-	1321 1056 -	- 2200 4400	12836 24816 27217	75'6" 56'0" 943 Sq. Ft.	6-7.9mm-500	ALL	Foreign Projects Reports #103(11/41)
<u>JUNKERS JU 88A-6</u> Two Jumo 211G Germany	- 1200	281/16000 80	- 26700	- 2000	*2000/-/- *1150/-/- *550/-/-	945 765 -	- 4400 -	*16000 21350 28500	65'7" 47'1" 583 Sq. Ft.	4-7.9mm-550	ALL	Flight #17-42
<u>POCKE WULF PW 200</u> Four B.M.P. 323 Germany	760/15000 830/15000 1000	261/15000 -	11.7/15000 27400	- -	-/-/- 2910/218/- -/-/-	- 2112 -	- 4400 11000	21860 - 48500	108'0" 78'0" 1290 Sq. Ft.	6-7.9mm- 1-20mm-	ALL	Foreign Projects Report #107
<u>JUNKERS JU 87D-1</u> One Jumo 211F Germany	- 1075/13250	245/13800 -	10/15000 24500	- -	850/200/- 360/205/- 350/200/-	230 110 110	- 1100 3960	6100 - 19300	45'4" 35'6" 344 Sq. Ft.	4-7.9mm	ALL	Infor. Intell. Summary #43-4
<u>HEINKEL HE 177</u> Four D.B. 601E Germany	- 1325	310/-/- 90	32/19685 26000	4000 -	3100/250/- 1860/-/- 1200/250/-	3500 1575 -	2240 12000 13440	35000 65000 82000	103'0" 67'0" 1660 Sq. Ft.	5-7.9mm-	ALL	Report #42938
<u>DOENICER Do 17E</u> Two D.B. 601A Germany	1050/12300 1150/12300 1175	310/15000 70	9.0/13110 29290	- -	1200/-/- 850/-/-	530 270 -	1100 2200 -	11164 - 19000	59'0" 53'6" 554 Sq. Ft.	6-7.9mm-	ALL	M.I.D. 10-23-41
<u>JUNKERS JU-86P-1</u> Two Junkers Jumo 207	1000/20000 -	275/30000 -	- 42600	- -	1750/-/- 1500/-/-	- -	- 1760 2200	- 22900 -	78'0" 53'0" 900 Sq. Ft.	None	None	Air Minist. Summary #126
<u>HEINKEL HE 129</u> Two Gnome Rhone 14M	730/8800 850/16900 800	*240/6000 -	30000	2610 1965	*200/-/- -	*180 -	- 630 770	- 9000 -	50'0" 38'0" 350 Sq. Ft.	2-7.9mm-1000 2-20mm-250 1-30mm-30	Armor	Sept. #2083
<u>JUNKERS JU-52/3M</u> Three B.M.W. 132D	800/10000 800	180/5500 62	- 20000	1350 900	1070/110/- 780/120/- 250/120/-	750 530 230	3000 5000 7500	12720 20300 23000	97'0" 62'0" 1070 Sq. Ft.	2-7.9mm	-	USAAF 9/42

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

* Estimate
** Pressure Cabin
*** Troop Transport

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

ITALY, FIGHTERS & BOMBERS

PAGE 14

DATE: April 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 OR OBS. LAND OVER OR 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
FIAT G-50 One Fiat A7L-RC-38 Fighter	- 840/12450 870	290/14500/- 72	6.7/19680 32000 -	- -	420/118/- 250/250/- 195/250/-	86 71 59	- 0 317	4188 5200 5450	35'9" 25'7" 196 Sq. Ft.	2-12.7mm-150 2-7.7mm-	Armor For Pilot	Foreign Development
MACCHI Me 200 One Fiat A7L-RC-38 Fighter	- 840/12450 870	305/15000/- 79	6.5/19680 33000 -	- -	1000/170/- 250/255/- 370/252/-	165 71 88	- 0 317	3910 4850 5440	34'8" 26'10" 180 Sq. Ft.	2-12.7mm-350 2-7.7mm-	-	Foreign Development
MACCHI Me 202 One Daimler-Benz DB-601N Fighter	- 1100/16000 1150	350/18000/- -	6.5/18000 35000 -	- -	670/190/- 460/307/-	110 80 -	- 0 -	6300 -	35'0" 29'11" 181 Sq. Ft.	2-12.7mm- 2-7.7mm-	8mm-Armor For Pilot	Foreign Development
FIAT CR 42 One Fiat A7L-RC-38 Fighter	- 840/12450 870	270/13000/- -	8.33/19680 32800 -	- -	550/155/- 460/232/-	115 115	211 0 -	3900 5300 5100	31'10" 27'3" 211 Sq. Ft.	2-12.7mm-500	Ineffective	Foreign Development
SAVIA MARCHET.-SM79 3 Piaggio PXL-RC-40 Bomber	- 1000/13123 1000	296/16400/- -	15.5/16400 26200 -	- -	1240/253/- -	2134 700 -	- 2200 4400	16750 24610 -	69'9" 52'13" 667 Sq. Ft.	3-12.7mm-500 2-7.7mm-	Armor L.P. Tanks	Foreign Development
FIAT BR-20 2 Fiat ASO RC-41 Bomber	- 1000/13145 1030	268/16400/- -	18/16400 29529 -	- -	1850/167/- 1150/220/- 1300/217/-	967 675 767	2200 2200 3500	14332 25200 22500 25200	70'6" 52'10" 796 Sq. Ft.	2-7.7mm-600 1-12.7mm-	Armor L.P. Tanks	Foreign Development
CANTIERE Z-1007 Bis 3 PXL-RC-40, Piaggio Bomber	- 1000/13123 1000	280/13100/- -	10.5/13100 31000 -	- -	3100/234/- 930/195/-	1170 700 -	- 2610 4410	19000 29630 -	81'4" 60'4" 793 Sq. Ft.	2-12.7mm-	None	Foreign Development
SAVIA MARCHET.-SM-82 3 Alfa-Romeo 128 RC Z1 Bomber Transport	- 880/8200 950	230/8200/- -	650 FPM. init 20000 -	- -	2500/145/- 950/218/- 700/218/-	1170 850 667	1500 7500 6600	19500 31900 31900	97'6" 73'6" 1276 Sq. Ft.	3-7.7mm- 2-12.7mm-	None	Foreign Development
PIAGGIO P-108 4 Piaggio PXL-RC35 Bomber	- 1300/- -	290/13100/- -	16.2/13000 23000 -	- -	1550/230/- 900/230/-	2060 1250 -	- 1400 10000	- 57000 -	106'3" 81'6" -	6-12.7mm- 2-7.7mm-	None	Foreign Development
REGIANNE RB-200L 1 Daimler Benz "DB-601N" Fighter	- 1150/16000 1150	350/20000/- -	8.3/18000 36000 None	- -	- -	175 -	- -	7000 -	36'9" 29'3" 235 Sq. Ft.	2-7.7mm-600 2-12.7mm-300	Armor	Foreign Development

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

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JAPANESE AIR FORCE - PURSUIT

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE - PURSUIT

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DATE: April 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.-SIZE 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
NAKAJIMA - 96 One Hikari Pursuit	800/15000 -	270/15000 -	6/15000 -	- -	950/116/- 340/231/-	150 83	None None	3250 5000 1100	35'6" 21'4"	2-7.7 mm	Armor	Foreign Projects Report
MITSUBISHI - 97 One Mitsubishi 109 Pursuit	650/11500 -	265/13000 -	7.5/15000 29000 None	- -	1070/147/- 375/230/-	147 80	None None	3250 5000 1100	36'0" 21'0"	1-7.7 mm	-	Foreign Projects Report
MITSUBISHI - 90 One Nakajima Pursuit	540/9840 925/9840 -	314/9840 65	1000/Min. Init. 35860 None	- -	1207/251/- 698/267/-	215 115	None None	3775 5739 5136	28'3" 20'7" 256 Sq. Ft.	2-7.7 mm 3-20 mm	None	MID 10/15/41
MESSELSCHMITT ME-109E One ME-601 A Pursuit	1000/12100 1100/12100 1175/ S.L.	354/16400 -	1.5/15000 36000 None	- -	- 340/322/75	- 106	None None	1122 5588	32'5" 28'9" 176 Sq. Ft.	2-7.7 mm 3-20 mm	-	Foreign Projects Report

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE - BOMBARDMENT

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JAPANESE AIR FORCE - BOMBARDMENT

DATE: April 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. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 60' OBS. LAND OVER 60' 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
KAWASAKI - 97 One Kawasaki Army Recon.	- 900/-	236/13000/-	- 25000	-	180/206/-	-	800	4715" 295 Sq. Ft.	4-7.7mm	Armor	Foreign Projects Report	
MITSUBISHI - 97 Two Kinsei Army Bomber	870/10000 -	215/10000/-	- 24000	-	2140/2113/- 1180/-/-	-	2200 4400	7210" 4710"	6-7.7mm	-	Foreign Projects Report	
MITSUBISHI - 98 One Mitsu Light Bomber & Recon.	900/9000 -	250/11000/-	- 25000	-	690/208/-	168 83	1500 3300	4610" 2914" 290 Sq. Ft.	3-7.7 mm	-	Brit. Air Min. 5/20/41	
AICHI - 99 One Kaishin Dive Bomber	990/10000 -	236/10000/-	-	-	1320/139/-	218	550	4715" 3510" 389 Sq. Ft.	3-7.7 mm	None	Brit. Air Min. 2/20/41	
NAKAJIMA - 96 One Kotohuki Navy Torpedo Plane	600/80000 -	168/8000/-	- 20000	-	425/145/-	120	1500	4910" 3310" 510 Sq. Ft.	-	-	Brit. Air Min. 5/20/41	
MITSUBISHI - 96 Two Mitsu Navy Bomber	900/10000 1000/10000	235/10000/-	10.5/10000 30000	-	1600/200/- 950/200/-	-	2200	10610 8210" 5410" 800 Sq. Ft.	3-7.7 mm	-	M.I.D. 4/2/40	
MITSUBISHI - 97 One Kinsei Navy Torpedo	900/10000 -	195/10000/-	- 23000	-	1050/122/- 470/167/- 470/167/-	300 174 174	750 1500	5500 9300 8500 9300	5010" 3510" 375 Sq. Ft.	2-7.7 mm	-	Brit. Air Min. 2/20/41
FIAT - BR. 20 (See Italian)												
NAKAJIMA - 97 One Sakai-II Navy Torpedo	-	224/6560/-	15.1/15400 20100	-	-	290	1760	4830 5112" 3416" 415 Sq. Ft.	3-7.7 mm	None	Naval Air Station Pearl Harbor 12/18/41	

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MONTHLY CHART RUSSIAN AIR FORCE PAGE 17
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

RUSSIAN AIR FORCE

DATE: April 30, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	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.-RPS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				
I-16 M-63 Engine Fighter	- 1000	290/13000/-	- 22000 None	-	160/220/-	-	4910 6100	31'3" 21'11" 204 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	-	641/273/-	-	-	33'2" 24'4" 191 Sq. Ft.	1-40	M.I.D. 10-10-40
MIG - 3 M-35 Engine Fighter	1200/19680	390/21000/-	- 35000 None	-	350/330/- 425/204/-	105 105	0 440	28'6" 22'0"	2-7.6mm 1-12.7mm	Armor M.I.D. 9-16-41
IL-2 (Stormovik) Dive Bomber	1160/92000	270/10000/-	-	-	-	-	880 1100	-	2-20mm 2-7.6mm	Armor L.P. Tanks B.F. Glass M.I.D. 10-8-41
TB - 6 Four, 34 Engines Heavy Bomber	- 600	250/-/-	24/13000 26000	-	1250/-/-	-	6600	-	6 MG	M.I.D. 4-25-41
SB - 3 Two, M-10 Engines Bomber	860/13780	250/-/-	20/26218 26218	-	620/217/-	441	1200 2200	10033 616 Sq. Ft.	2-7.6mm-950 1-7.6mm-1050 1-7.6mm-700	Armor L.P. Tanks M.I.D. 2-8-41
DB - 3F Two, M-87 Engines Bomber	950/14000	270/16000/-	16/16400 26500	-	2500/160/- 1460/230/- 1000/210/-	1000 808 540	3300 2200 6400	21750 18700 21750	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm-650	Air Min.
PE - 2 Two, M-105 Engines Dive Bomber	1000/12000	342/-	-	-	-	-	1540 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	-	-	8000	132'0" 71'0" 2000 Sq. Ft.	2-7.6mm-400 1-20mm-160 1-20mm-200 2-12.7mm-200	Tech. rep. NO. 203 7-5-42

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