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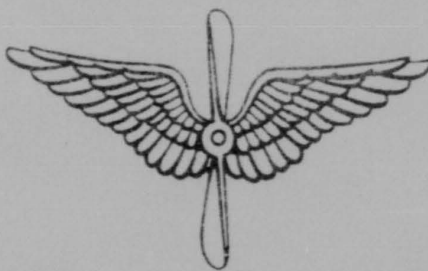
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FILE NO.  
203-12  
Sept. 1944  
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EE-306-3  
FOREIGN

# MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE



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

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PREFACE SHEET

EE-306-3

## MONTHLY CHART OF FOREIGN AIRPLANE CHARACTERISTICS AND PERFORMANCE

Characteristics and Performance data shown are evaluations of the latest information obtained from various sources including British, Army, and Navy Intelligence. The data itself is derived from estimates based on known characteristics and from actual flight tests of the aircraft in question. Figures shown here are constantly subject to change as later and more detailed information becomes available.

An attempt has been made to express the data in terms which are analogous to those used by the Army Air Forces for the expression of characteristics and performance in similar charts. Therefore the following definitions will be generally applicable:

ENGINE RATINGS are given for the engine as a unit, and do not include ram which may increase the ratings under flight conditions. NORMAL RATED POWER is the maximum power permissible for continuous use and may be obtained between sea level and the normal rated altitude of the engine. Normal rated altitude is the altitude at which normal rated power is developed at normal rated speed with full throttle under standard altitude conditions. (An engine with a two speed or two-stage supercharger has two or more normal rated altitudes). MILITARY RATED POWER is a maximum power permitted for short duration only. TAKE-OFF POWER is the maximum power designated by the manufacturers for use under sea level conditions.

SPEEDS: The high speed based on design gross weight is given at the critical altitude of the airplane (i.e. where best performance is obtained with the horsepower shown). CLIMB is determined with the design gross weight and using take-off and then maximum continuous power. TAKE-OFF and LANDING is based on design gross weight.

RANGE-FUELS-BOMBS: These columns should be used together and take into consideration the weight shown in the weight column. RANGE is based on ideal cruising conditions, utilizing best combination of power, altitude, etc., and do not include any safety factors or allowances for warm-up, take-off, climb, navigation variations, et. Practical ranges average 75% of the value shown or less.

ARMAMENT: Installations for design gross weight.

COMBAT PROTECTION includes Leak Proof (L.P.) Tanks, Armor and Bullet Proff (B.P.) Glass

THIS REPORT SUPERSEDES PREVIOUS EE-306-3 PUBLICATIONS: SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN PARAGRAPH 23, A.R. 380-5, DATED 28 SEPTEMBER 1942

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH AIR FORCE

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DATE: 1 September 1944

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		BOMBS	WEIGHTS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					at SPEEDS & POWER	at SPEEDS & POWER						
BLACKBURN FIREBRAND ONE NAPIER SABRE III	1570/15250 1920/15000 2250	350/18000/-	11/20000 31500	1350	1025/228/-	200	NONE	9925 12550	50'10" 47'0" 370 SQ. FT.	4-20MM.-80		ON 1/23/42 ETOUS4 REPT. 274
BLACKBURN HCC I ONE BRIS. PERSEUS XII	905/5500 745/5500 850	223/16700/-	25.5/15000 18200		650/130/-	140	NONE	5105 8042	48'10" 35'10" 312 SQ. FT.	4-303/500	NONE	MID-ON1 11/7/42
BLACKBURN SKUA I ONE BRIS. PERSEUS XII	905/5500 745/5500 850	223/16700/-	20.1/15000 19100		600/130/-	105	NONE	5945 8920	45'10" 35'10" 312 SQ. FT.		PILOT ARMOR ONLY	MID-ON1 11/7/42
BOULTON PAUL DEFIANT ONE RR-MERLIN II	990/12250 1030/12250 880	304/17000/-	8.5/15000 30000	1500 2410	580/180/-	125	NONE	5938 7718	39'4" 35'0" 224 SQ. FT.	4-303/500	ARMOR L.P. TANKS	S.A.C. 5/12/42
BOULTON PAUL DEFIANT ONE RR-MERLIN XX	1180/18000 1170/21000 1280	335/22000/-	7.0/15000 34200	1350 2470	480/175/-	125	NONE	5187 7765	39'4" 35'0" 224 SQ. FT.	4-303		S.A.C. 5/12/42
BRISTOL BEAUFIGHTER TWO BRIS. HERCULES XI	1200/14000 1510/11250/ 1590	324/11750/-		1700 2880	1515/225/-	650	NONE	13551 21120	37'10" 45'10" 451 SQ. FT.	4-20MM.-285 5-303-1000	ARMOR L.P. TANKS S.P. GLASS	M.A.P. DAYTON SAC
BRISTOL BEAUFIGHTER TWO RR-MERLIN XX	1180/18000 1170/21000 1280	324/20400/-	9.5/15000 30000	2070 2505	1510/228/-	650	NONE	12895 20974	37'10" 41'6" 451 SQ. FT.	4-20MM.-285 5-303-1000	ARMOR L.P. TANKS S.P. GLASS	M.A.P. THRU DAYTON SAC 11/8/42
BRISTOL BEAUFIGHTER TWO BRIS. HERCULES VI	1200/13500 1530/15500 1770	335/14600/-	7.8/15000 27000	1845 2450	1480/243/-	650	NONE	21322	37'10" 41'6" 451 SQ. FT.	4-20MM.-240 5-303-1000	ARMOR L.P. TANKS S.P. GLASS	M.A.P. THRU DAYTON SAC 11/8/42
DEHAVILLAND MOSQUITO TWO RR-MERLIN XX	1180/18000 1170/21000 1280	380/22000/-	7.9/20000 25800	2175 2535	1205/240/-	485	1000	14413 19822	54'2" 41'0" 450 SQ. FT.	4-20MM.-150 4-303-500		M.A.P. THRU DAYTON SAC 11/8/42
FAIREY FIREFLY ONE RR-GRIFTON II	1365/17000 1480/19000 1744	338/21000/-	17.2/20000 10600	1950	700/202/-		NONE	8751 11371	44'6" 37'0" 328 SQ. FT.	2-20MM.-175 2-20MM.-150		ON 1/23/42 ETOUS4 REPT. 274

NOTES:

\* ESTIMATE

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

Prepared by: Technical Data Laboratory, Engineering Division

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**CONFIDENTIAL** MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

SEATTLE FIGHTER

PAGE

DATE: 1 September 1944

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 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 -CALIBRS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAX. W.M. NORMAL WITH MAX. BOMBS	MAX. H.W. NORMAL WITH MAX. BOMBS	W.T. EMPTY W. LIGHTS W. LIGHTS				
FAIRLY DUMPLIN III ONE RR-MERLIN XX	1240/1290 1250/1750 1250	364/2000/-	20.5/20000 74000	- -	925/195/-	120	NONE	4980 4074 478 SQ. FT.	8-100-1000 OR 4-1.5-450	ARMOR L.P. TANKS B.P. GLASS	M.I.D.-ON 11/7/42
HAWKER HURRICANE II ONE RR-MERLIN XX	1180/1800 1170/2100 1280	351/20000/-	5.9/15000 46500 1980	1250 1980	540/170/- 395/261/-	115 115	NONE NONE	7000 7200	12-100-500	ARMOR L.P. TANKS	B.A.C. 5/12/42
HAWKER HURRICANE ONE RR-MERLIN XX	1280/1800 1170/2100 1280	420/20500/-	10000	1770	400/214/-	115	NONE	7500	4-20MM.-120	ARMOR L.P. TANKS	Air Tech. SECT. ETOUSA REPT. NO. 204 10/29/42
HAWKER HURRICANE ONE RR-MERLIN XX	1280/1800 1170/2100 1280	514/20000/-	14800	-	450/220/-	-	NONE	7665	2-100-100 2/40MM.-15	-	Air Tech. SECT. ETOUSA REPT. NO. 204 10/29/42
HAWKER TEMPEST I ONE NAPIER SABRE II	1770/20000 1500/22000 2000	450/26000/-	6.7/20000 58000	1965 2450	627/247	830	NONE	11600	4-20MM.-	-	M.A.P. THRU DAYTON SAC 11/8/42
HAWKER TEMPEST II ONE SWIS-CENTAURUS II	1780/18250	420/19000/-	7.2/20000 56800	1850 2445	995/247	250	NONE	11950	4-20MM.-	-	M.A.P. THRU DAYTON SAC 11/8/42
HAWKER THUNDER I ONE NAPIER SABRE II	1575/16250 1300/16250 2010	414/21000/-	7.5/20000 54500 2220	2600 2220	610/258/- 410/344/-	124 124	NONE NONE	9557 10500 10500	12-100/500 OR 4-20MM.-150	ARMOR L.P. TANKS B.P. GLASS	M.I.D. 10/24/41 CABLE 5/16/41
MARTIN-BAKER ONE NAPIER SABRE II	1575/16250 1800/16250 2010	430/15000/-	-	-	1 3/4 HRS. ENDURANCE	-	-	-	6-20MM.-200	-	SPECIAL ARMY OBSERV. 1/24/42
SUPERMARINE SPITFIRE ONE RR-MERLIN XLV	1200/16000 1295/17750 1185	373/19500/-	5.2/19000 37500	-	500/241/-	102	NONE	5212	8-100-500	ARMOR L.P. TANKS B.P. GLASS	AAF DAYTON FLIGHT TEST
SUPERMARINE SPITFIRE ONE RR-MERLIN XLV	1200/16000 1295/17750 1185	371/20000/-	5.6/20000 37700	1200 1850	480/285/- 395/310/-	102 102	NONE NONE	4975 5450 5450	4-100-350 2-20MM.-50	ARMOR L.P. TANKS B.P. GLASS	B.A.C. 5/12/42

NOTES:

\*ESTIMATE  
\*\*AT WEIGHT OF 10835#  
0 ESTIMATED TAKE-OFF WEIGHT OF 10500#

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH FIGHTER

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DATE: 1 September 1944

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.—SBS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS					NONE NORMAL MAXIMUM
SUPERMARINE SPITFIRE VC ONE RR-MERLIN XLV	1200/16000 1235/17750 1185	369/29500/-	7.0/20000 56500	- -	1085/206/- 474/-/-	- -	5067 -	45'10" 30'10" 242 SQ.FT.	4-20MM.-120 L.P. TANKS	ARMOR L.P. TANKS	AIR. TECH. SEC ETDUGA REPT. NO. 274 10/20/42
SUPERMARINE SPITFIRE VII ONE RR-MERLIN 61	1190/25000 1300/24000 1375	495/26500/-	7.8/20000 40250	2085 2220	- 752/233/-	- 144	6051 8900	40'2" 31'4" 249 SQ.FT.	4-503-150 2-20MM-115 L.P. TANKS S.P. GLASS	ARMOR L.P. TANKS S.P. GLASS	M.S.P. THRU DAYTON SAC 11/8/42
SUPERMARINE SPITFIRE IX ONE RR-MERLIN 61	1190/25000 1300/24000 1375	406/26500/-	4.2/15000 40750	1875 2150	- 472/228/-	- 102	- 7450	50'10" 31'0" 242 SQ.FT.	4-503-150 2-20MM.-120 L.P. TANKS S.P. GLASS	ARMOR L.P. TANKS S.P. GLASS	M.S.P. THRU DAYTON SAC 11/8/42
SUPERMARINE SPITFIRE XX ONE RR-GRIFFON II	1670/16250 1800/16250 2010	391/18000/-	- 35500	1980 2400	- 500/240/-	- 155	- 9400	40'6" -	5-20MM.-120 L.P. TANKS S.P. GLASS	ARMOR L.P. TANKS S.P. GLASS	M.S.P. THRU DAYTON SAC 11/8/42
WESTLAND WELKIN TWO RR-MERLIN 61	1190/25000 1300/24000 1375	451/26000/-	6.25/20000 44000	1990 2850	- 1560/245/-	- 564	12895 15700	70'5" 41'5" 460 SQ.FT.	6-20MM.-120	-	M.S.P. THRU DAYTON SAC 11/8/42
WESTLAND WHIRLWIND TWO RR-PEREGRINE I	860/13500 890/15000 855	338/19800/-	8.4/20000 30000	1890 2250	590/130/- 370/305/-	162 108	8040 10115 10222	45'0" 52'5" 251 SQ.FT.	4-20MM.-50 OR 10-503- L.P. TANKS S.P. GLASS	ARMOR L.P. TANKS S.P. GLASS	REPT. NO. 9/12/42
BRISTOL BLENHEIM IVF TWO MERCURY XV	825/14000 -	260/12000/-	14/15000 24200	- -	- -	- -	9255 14100 12650	56'4" 42'7" 469 SQ.FT.	4-503-500 10-503-500 1-503- L.P. TANKS	-	AIR. INFO. DIV. NAVY DEPT. WASH. D.O. 8/43
DEHAVILLAND MOSQUITO X TWO MERLIN 75	1560/12000 1470/24000 -	417/25000/-	- 43000	- -	- -	- -	14421 19700 -	54'2" 41'2" 454 SQ.FT.	4-503-500 4-20MM-150	-	AS ABOVE

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH COMMAND

BRITISH COMMAND

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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 SERV. CEIL. LAND OVER SERV. CEIL.	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					
ARMS. WHITWORTH WHITLEY V TWO RR-MERLIN X	460/1500 1010/17750 1075	225/17000/- -	27.4/15000 19000 -	- - -	1035/170/- 1345/170/- 470/170/-	- - -	1250 3500 7050	1845 - -	94'0" 59'4" 1233 SQ. FT.	1-303-400 4-303-1000	- -	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42
AVRO LANCASTER I FOUR RR-MERLIN XX	1180/18000 1170/21000 1290	280/20000/- -	18.5/15000 A. 28000 B. 29500	4200 2950 -	5000/195/- 2510/185/- 1190/195/-	5000 2550 1285	NONE 4250 12750	35000 5000 6000	102'0" 58'11" 1297 SQ. FT.	4-303-2500 4-303-1000 2-303-500	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. I M.A.P.
AVRO LANCASTER II FOUR BRIS. HERCULES	1500/14500 1550/18500 1510	291/15500/- -	20/15000 A. 21200 B. 25000	5000 2400 -	3890/185/- 2490/185/- 1075/195/-	3750 2550 1200	NONE 3900 12750	37970 5300 5400	102'0" 58'11" 1297 SQ. FT.	4-303-2000 4-303-1000 2-303-500	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. I M.A.P.
BRISTOL BRADFORD I TWO BRISTOL TAURUS V	985/3750 1130/3500 1085	270/5500/- -	- 19500 -	- - -	- 1765/144/- -	- - -	- 500 -	11910 - 19080	58'0" 44'7" 508 SQ. FT.	2-303-400 2-303-500	-	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42
BRISTOL BLENHEIM IV TWO BRISTOL MERCURY	- 825/19000 920	266/15000/- -	7/10000 27000 -	- - -	- 1410/270/750 -	- 128 333	- 1100 1500	8250 - 14400	56'4" 42'3" 459 SQ. FT.	4-303 -	ARMOR L.P. TANKS S.P. GLASS	AEROPLANE 3/29/40 M.I.D. 3/28/41
BRISTOL BLENHEIM V BRISTOL MERCURY XV	- 825/19000 920	244/10000/- -	- 19500 -	- - -	- 1230/170/- -	- - -	- 1000 -	- 17040 -	56'4" 42'3" 459 SQ. FT.	1-303-400 4-303-1000	-	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42
BRISTOL BUCKINGHAM TWO BRIS. CENTAURUS IV	- 1780/18250 -	350/19250/- -	16.0/15000 A. 22500 B. 27200	4350 2400 -	3500/215/- 1570/281/- 1570/281/-	1890 1250 1250	NONE 4000 4000	35800 35550 35550	71'9.5" 45'5" 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	11/17000 28800 *	2650 2400 -	- 1720/- 1640/-	- 545 545	- 2500 2500	15129 - 20540 21310	54'10" 41'2" 450 SQ. FT.	NONE	ARMOR L.P. TANKS S.P. GLASS	I.T.M. #11 DEH. CANADA
FAIRY ALBACORE ONE BRIS. TAURUS XII	995/3750 1130/3500 1085	170/4800/- 58-83	10.3/10000 14400 -	- - -	790/114/- 680/195/- -	254 254 -	NONE 1500 -	7165 9900 12400	50'0" 40'0" 607 SQ. FT.	1-303-400 2-303-750	ARMOR L.P. TANKS	MID-ON 11/7/44
FAIRY BARRACUDA ONE RR-MERLIN 30	1240/7150 1250/8750 1500	285/11000/- -	6.7/6000 21000 -	- - -	- 555/138/- -	- - -	- 1510 -	9142 - 13170	49'2" 40'6" 414 SQ. FT.	2-303 1-303-500 (RECONN. ONLY)	-	AIR. TECH. SEC. ETOUSA REPT. NO. 274 10/29/42

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 MK IV AT WRIGHT FIELD WAS 365/20,500

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH BOMBARDMENT

PAGE 5

DATE: 1 September 1944

MODEL & MFB. 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 ENGS. OUT	T. O. & LAND T. O. OVER 37' OBS. LAND OVER 30' OBS.	RANGE with		FUEL with		BOMBS at		WEIGHTS WT. EMPTY WEIGHT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-HOR. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAX. MUM NORMAL (WITH MAX. BOMBS)	with SPEEDS & POWER	MAX. MUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAX./MUM	at						
FAIRY SWALLOW ONE BRIS. PEGASUS 24 30	750/4750	114/3500/-	12.6/1000 17000	-	**	672/103.5	201	NONE	5154	7853	45'5" 36'4" 507 Sq. Ft.	2-303-500	L.P. TANKS ONLY	M.D.-ON 11/7/42	
HANDLEY PAGE HAL PA. II FOUR BRIS. PEGASUS	1180/18000 1170/21000 1200	258/19000/-	25.0/15000 A. 2100 B. 2500	3900 2500		2250/195/- 1785/195/- 680/195/-	2815 2254 936	NONE 4250 13000	35295 59000 59000	59000 59000 59000	92'0" 70'11" 1250 Sq. Ft.	10-303-1000 4800 RDS. RES.	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T.	
HANDLEY PAGE HAL PA. II FOUR BRIS. PEGASUS	1180/13500 1170/15500 1410	270/15500/-	25.0/15000 A. 19000 B. 23000	3900 2770		2540/-/- 1810/-/- 630/-/-	1090 2254 924	NONE 4950 13000	35700 59000 59000	59000 59000 59000	99'0" 70'11" 1250 Sq. Ft.	10-303-1000 4800 RDS. RES.	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.	
HANDLEY PAGE HAL PA. II TWO BRIS. PEGASUS	780/14750 880/15000 950	239/19000/-	25.4/15000 19000	3300		1720/-/- 700/-/-	785 376	2000 5000	12764 22900 22900	22900 22900	92'0" 58'4" 747 Sq. Ft.	6-403	L.P. TANKS	S.A.C. 5/12/42	
SHORT ISLAND FOUR BRIS. PEGASUS & G.M.	1590/19000 2000/20000 2400	240/3240/-	8.7/25000 A. 12500 B. 17000	-		3520/-/- 2920/-/- 1150/-/-	7000 5590 2520	NONE 4000 24000	71000 120000 120000	120000 120000 120000	160'6" 110'9" 2546 Sq. Ft.	4-303-1000 4-403-500	-	A.D./R.D.T. M.A.P.	
SHORT STIRLING FOUR BRIS. PEGASUS	1200/14000 1510/11250 1590	245/10500/-	34.3/15000 A. 14500 B. 20500	4200 3300		2485/200/- 2050/200/- 918/200/-	3250 2706 1192	2250 5780 14000	43200 70000 70000	70000 70000 70000	99'0" 87'0" 1460 Sq. Ft.	8-303-1000	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.	
SHORT STIRLING FOUR BRIS. PEGASUS	1300/11500 1350/15500 1610	285/13500/-	25.4/15000 A. 18000 B. 22000	4200 3300		2445/200/- 2015/200/- 880/200/-	3250 2706 1314	1500 5000 14000	45545 70000 70000	70000 70000 70000	99'0" 87'0" 1460 Sq. Ft.	10-303-1000	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.	
SHORT ISLAND III FOUR BRIS. PEGASUS	750/14750 885/15000 950	195/3000/-	10/9000 A. 11700 B. 15500	9900		2970/-/- 2300/-/- 1895/-/-	3050 2556 2235	NONE 1900 4000	31517 58000 58000	58000 58000 58000	112'0" 85'4" 1687 Sq. Ft.	6-303-1000 1-303-700	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.	
SHORT ISLAND IV FOUR BRIS. PEGASUS	1475/9500/-	254/9500/-	6.6/5000 A. 14500 B. 19000	6500		5135/-/- 2845/-/- 2545/-/-	4080 3780 5450	NONE 1900 4000	41910 73350 73350	73350 73350 73350	112'0" 85'4" 1687 Sq. Ft.	6-303-1000 1-303-700	ARMOR L.P. TANKS S.P. GLASS	A.D./R.D.T. M.A.P.	
VICKERS WARRICK I TWO BRIS. PEGASUS	1500/14000	245/14000/-	18.0/15000 20000	4500 3300		1780/180/- 1450/180/-	1450 1225 558	3875 5275 8000	28750 45000 45000	45000 45000 45000	98'8" 72'4" 1020 Sq. Ft.	4-303-2000 4-303-1000	-	A.D./R.D.T. M.A.P.	

NOTES:

A. SERVICE CEILING AT MAXIMUM WEIGHT  
B. SERVICE CEILING AT MEAN WEIGHT  
\*\* NORMAL RECONNAISSANCE LOAD.

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**CONFIDENTIAL** MONTHLY CHART **BRITISH - FIGHTERS (U.S. BUILT)** PAGE 3  
**AIRPLANE CHARACTERISTICS & PERFORMANCE**

DATE: 1 September 1941

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	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/-	1458 1223 978	5100 6500 8000	29000 47500 47500	96'8" 72'4" 1020 Sq. Ft.	8-.303-1000 2-.303- 500	- - -	A.D./R.D.T.1 M.A.P.
VICKERS WELLINGTON IC Two BRIS. PEGASUS XVIII	750/14750 895/15000 965	235/15500/- -	25/10000 15000	- -	2550/155/- 1805/155/- 1200/155/-	- -	1000 2750 4500	18800 -	85'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	A4R Tech. Sec ETOUS4 REPT. NO. 274 10/29/42
VICKERS WELLINGTON II Two RR-MERLIN X	960/13000 1010/17750 1075	244/17000/- -	33.5/15000 18000	4050 -	1580/155/- -	900 737	3500 4500	20050 -	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 XI	1200/14000 1510/11250 1590	263/11500/- -	28.0/15000 20000	- -	2200/185/- 1500/185/-	- -	1500 4500	21220 -	85'0" 60'10" 830 Sq. Ft.	8-.303-1000	-	A4R Tech. Sec ETOUS4 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 -	85'2" 62'8" 840 Sq. Ft.	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/- -	22.0/13000 A. 20500 B. 24000	3000 2950	2110/185/- 1490/185/-	1236 900	1500 4500	21110 -	85'0" 60'10" 830 Sq. Ft.	6-.303-1000 2-.303- 500	-	A.D./R.D.T.1 M.A.P.

NOTES:  
 A. SERVICE CEILING AT MAXIMUM WEIGHT  
 B. SERVICE CEILING AT MEAN WEIGHT  
 # MAXIMUM WEIGHT AT TAKE-OFF

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

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 September 1944

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/PT. 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				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				
BELL P-400 *AIRACOBRA-1*	1000/11000 1150/11800 1150	350/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	-	5078 7582 7835	34'0" 29'9" 213 Sq. Ft.	4-.50-1000 2-.50- 270 2-20mm- 60	-	AAEE-774 & AFDU-NO. 34
ONE V-1710-E4 CURTISS HK-81A *TOMAHAWK 1*	- -	-	-	-	-	-	-	-	-	2-.50 4-.50	-	AAEE-763, A
ONE V-1710-C-15 CURTISS HK-81A *TOMAHAWK 11*	- -	A 345/16000 85	7.7/15000 31400	1320	-	158 101	-	- -	-	2-.50 4-.50	-	AAEE-763
ONE V-1710-C15 CURTISS HK-87A *KITTYHAWK 1*	1000/11000 1150/11800 1150	332/14400 322/16200	14.2/20000 28700	-	B 1060/ - / - B 650/ - / -	199 148	-	5973 8806 8480 8480 Test	37'4" 31'9" 236 Sq. Ft.	6-.50-2460T	-	AAEE/783
ONE V-1710-F3R CURTISS HK- *KITTYHAWK 11*	1010/16000 1120/18500 1300	354/20400	10.9/20000 34300	-	-	209 158	-	6482 8910	-	-	-	AAEE/783, A
ONE V-1650-1 DOUGLAS DB-7 *HAVOC 1*	1000/12500 1050/13100 1200	-	-	-	-	-	-	11775 -	61'4" 47'3" 469 Sq. Ft.	-	-	-
TWO R-1830-53C4G DOUGLAS DB-7 *HAVOC 11*	1275/11500 1600	329/13000	-	2640	-	326 458	-	14144 17741 18751	48'0"	-	-	AAEE/771
TWO R-2600-A5B GRUMMAN-G-36 *MARTLETT 1*	900/15200 1200	-	-	1560	-	-	-	- -	-	4-.50-	-	AAEE/762
ONE R-1820-G205A GRUMMAN-G-36 *MARTLETT-11*	1000/12500 1050/13100 1200	-	-	1710	890/ - / -	160 130	-	5499 7790 7550	38'3" 29'1" 261 Sq. Ft.	6-.50-225	-	AAEE/762, A
ONE R-1830-53C4G GRUMMAN-G-36 *MARTLETT 111*	-	NO DATA	AVAILABLE	-	-	-	-	-	-	-	-	NO DATA AVAILABLE

NOTES:

- \* TESTED WITH JETTISONABLE FUEL TANK GR. WT. 8840#
- \*\* AT 17500# AND 0° FLAP
- B ALLOWANCE MADE FOR WARM UP, TAKE OFF, ETC.
- W STILL AIR RANGE.
- A ANOTHER TEST AT 7300# GAVE 331 MPH
- Q AT WEIGHT= 6366#

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MONTHLY CHART

PERIOD: 1 September 1944

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AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

DATE: 1 September 1944

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 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.-BDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
GRUMMAN MARTLETT IV	-	-	-	-	-	144 (U.S.)	-	5595	-	2-50-470	AEE/762, 8
ONE R-1820-205A-3	-	-	-	-	-	-	-	7750	-	2-50-450 2-50-500	-
NORTH AMERICAN NA-73 "MUSTANG I"	1000/11000 1150/11800 1150	370/15000	7.3/15000 30000	1920	960 / - / -	155 (U.S.)	-	8425	-	2-50-900 2-50-800 2-50-111 2-50-200	AEE/761
ONE V-1710-F8R	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- \* 30° FLAP FOR TAKEOFF.
- \* ONE TANK LABELLED 84 U.S. GALS. WOULD HOLD ONLY 72 GALS.

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

BRITISH - BOMBARDMENT (U.S. BUILT)

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: 1 September 1944

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 5% OBS. LAND OVER 5% OBS.	RANGE with FUEL with BOMBS at WEIGHTS @ SPEEDS % POWER			WT. EMPTY WEIGHT WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM					
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/14200 — 1200	244/15100 — —	— — —	2100 — —	13 HRS. 7.5 HRS. —	896 644 —	— 1080 —	— — —	55'6" 44'3" 551 SQ. FT.	2—303—1500 5—303—900/07 2—303—2000	—	A4EE/759, C.
LOCKHEED 414 "HUDSON IV" Two R-1840-SC46	— — —	250/10000 — —	12.0/10000 — —	2520 — —	— — —	— — —	— — —	— — 20000 TEST	— — —	— — —	—	A4EE/759, B.
LOCKHEED 414 "HUDSON V" Two R-1840-S1C4-B	1000/12500 1050/14100 1200	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	—	—
LOCKHEED VEGA 47 "VENTURA" Two R-2800-S1A4G	1500/7500 1840/27000 1840	— — —	— — —	— — —	— — —	— 565 —	— 2500 —	17418 — 25700	— — —	4—303—1000 2—303—750 2—50—250	—	A4EE/790
MARTIN 167 MARYLAND Two R-1840-SC4G	900/12000 1040/17000 —	244/4000 80 —	12.1/15000 27240 —	1560 — —	1870/179/— — —	750 U.S. — —	— — —	11000 17890 15870 17890 TEST	51'4" 45'8" 542 SQ. FT.	5—303—500 — —	—	A4EE/765
MARTIN 167 MARYLAND II Two R-1840—	— — —	NO DATA AVAILABLE	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	—	—
MARTIN 187 BALTIMORE I Two R-2600-4AR6	1275/11500 — 1600	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	4—303—500 4—303—500 2—50—400 2—50—400	—	—
MARTIN 187 BALTIMORE II Two R-2600—	— — —	NO DATA AVAILABLE	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	—	—
MARTIN 187 BALTIMORE III Two R-2600-4AR6	1275/11500 — 1600	— — —	10.5/14000 23500 —	— — —	— 770/—/— —	— 488 —	— 2000 —	— 10550 —	— — —	— — —	—	A4EE/780, A.
NORTH AMERICAN NA40 MITCHELL I Two R-2600-B	1550/13000 1550/12000 1700	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	—	A4EE/794

NOTES:

\* — AT 20500#  
 A — INCLUDING 91 U.S. GAL. FOR TAKEOFF, ETC.  
 † — RANGE GIVEN AS PRACTICAL RANGE — 75% STILL AIR RANGE

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**MONTHLY CHART**  
**AIRPLANE CHARACTERISTICS & PERFORMANCE**

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 11

BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 September 1944

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 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					
NORTH AMERICAN NA-90 MITCHELL II	1350/13000 1450/12000 1700	294/14800 -	10.8/15000 26700 -	- -	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.50 -	-	AAEE/794, A
Two R-2600-13								26000 - TEST				
VOUGHT SIKORSKY V-156 CHESAPEAKE I	750/9800 825	222/4700 -	20.0/10000 16000 -	2300 -	1170/ - / - -	245 (U.S.) -	500 -	9040 -	- -	4-.50 - 1-.50-1400	-	AAEE/773
One R-1535-SB4G								3620				
VOUGHT -SIKORSKY KINGFISHER I	- -	163/3900 -	29.2/10000 11500 -	2130 -	- 750/105/ - 440/105/ -	244 100 80	- -	4990 5432	- -	1-.50-900 1-.50-600	-	AAEE-789
One R-985-AN-2												
VULTEE VENGEANCE I	- -	- -	- -	- -	- -	- -	- -	- -	- -	6-.50 -	-	
One R-2600-45B-3												

NOTES:

\* AT 9940#  
\*\* AT MAX. GROSS WEIGHT

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

PAGE 12

DATE: 1 September 1944

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 WT. EMPTY GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-HDS. 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	1450/- 1500/14000 1695/ S.L.	395/17000/- 110	6.25/18000 38000 NONE	2250 2700	820/220/- 380/335/- 440/230/-	215 138 130	NONE NONE NONE	6240 9200 8600 9800	34'6" 29'2" 203 Sq. Ft.	2-7.9MM-1000 2-20MM-250 2-20MM-60	ALL	TECH. DATA FILES
JUNKERS JU88C5 (2) BMW - 801D NIGHT FIGHTER	1450/18000 1930/20000 1695/ S.L.	347/17500 -	10.3/18500 30200 -	2310 2055	1620/243/- 800/230/- -	940 444 -	NONE	21000 27800 25000 -	65'0" 47'0" 590 Sq. Ft.	3-20MM-120 7-7.9MM-1000	ALL	"
MESSERSCHMITT ME-109F (1) DB-601E FIGHTER	1220/15000 1390/14500 1395/ S.L.	390/22000/- -	5.7/18000 39000 NONE	1800 2100	1050/205/- 600/205/- 540/200/-	185 185 105	NONE -	4740 EST. 5980 5420 7000	32'6" 29'3" 172 Sq. Ft.	2-7.9MM-500 1-20MM-200	ALL	"
MESSER: ME-109G2.4A5 (1) DAIM.BENZ: DB605A FIGHTER	1330/15000 1520/15000 1455/ S.L.	395/22000/- -	6.3/18000 37500 NONE	1800 2100	1020/210/- 415/315/- 535/210/-	185 105 105	NONE -	4985 7230 6670 7300	32'6" 29'3" 172 Sq. Ft.	2-7.9MM-500 1-20MM-200 [2-20MM OPTIONAL]	ALL	"
MESSERSCHMITT 110 G (2) DB-605B FIGHTER	- 1550/18700 -	368/19000/- -	7.3/18000 35800 NONE	- -	1700/205/- 905/205/- -	575 280 280	615 -	14500 20900 16700 -	53'11" 40'4" 415 Sq. Ft.	4-7.9MM-1000 2-7.9MM-750 2-20MM-180	ALL	"
MESSER: ME-210C-1 (2) DAIM.BENZ: DB-605E FIGHTER-BOMBER	- 1350/18700 -	370/21000/- -	11.8/19000 35000 -	- -	2550/245/- 1350/240/- 1240/245/-	906 506 506	- 1100 2850	15500 24500 21500 23500	53'9" 40'3" 400 Sq. Ft.	2-7.9MM-500 2-13MM-450 2-20MM-300	ALL	"
MESSER: ME-410A-1 (2) DAIM.BENZ: DB-603A-2 FIGHTER-BOMBER	- 1700/19000 -	395/22000/- -	11.5/19000 39000 -	- -	2130/250/- 1190/255/- 1110/250/-	906 506 506	- 1100 2850	18000 26000 24000 26000	53'8" 40'10" 400 Sq. Ft.	2-20MM - 2-7.9MM - 2-13MM -	ALL	"

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - BOMBERS

PAGE 13

DATE: 1 September 1944

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	WEIGHTS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BK. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	% POWER	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM						
DORNIER DO-217E (2) BMA - 801A BOMBER	1365/14250 1495/17750 1550/ S.L.	510/17000	21/17000	4650	2150/220/ - 1010/255/ - 990/245/ -	-	1550 780 780	NONE 4400 5000	22500 34000 32000 34000	52'5" 56'5" 590 Sq. Ft.	1-20MM-60 2-7.9-1000 4-7.9MM - 2-15MM-450	ARMOR	TECH DATA FILES	
FOCKE-WULF 200K (4) BRAMO-FAPNIR BOMBER	765/14000 940/12000 985/ S.L.	235/13000 95	11.7/14000 21500	-	2450/170/ - 1250/170/ - 1140/215/ -	-	2112 780 1004	3500 3300 11000	47200 -	108'0" 78'0" 1200 Sq. Ft.	2-20MM-200 4-7.9MM-500 2-15MM-450	ARMOR	-	
HEINKEL 111B (2) DB-601A BOMBER	850/15250 1025/15100 1085/ S.L.	274/12500 85	15/15000 25500	2200 1800	2640/230/ - 1650/215/ - 1250/195/ -	-	1521 912 848	NONE 4400 5200	14400 25000 25500 31000	73'10" 52'8" 940 Sq. Ft.	1-20MM-200 5-7.9MM-500 1-15MM-450	ALL	-	
HEINKEL 111 (2) DB-610 BOMBER-RECON.	- 2900/17000	505/20000	29/17000 52000	-	3560/210/ - 1650/215/ - 580/210/ -	-	EST. 3080 3080 500	1100 15800 22000	45000 68000 58000 -	103'5" 67'5" 1055 Sq. Ft.	EST. 6/10-15MM AND 20MM.	ALL	-	
HENDONEL HD-122 (2) GANME-RHUNE 14M BOMBER	500/15100 890/8000 800/ S.L.	275/9000	7/10000 24500	3000 1800	590/150/ - - 440/150/ -	-	240 150 150	220 220 770	9500 - 11400 12000	44'5" 33'4" 305 Sq. Ft.	2-7.9MM-1000 2-20MM-200 1-15MM-450	ALL	-	
JUNKERS JU-52/AM (3) BMA - 132A TROOP TRANSPORT	- 660/ S.L.	165/ S.L.	- 21000	1920 1800	790/132/ - 530/132/ - -	-	540 455 -	- 22 TROOPS	28100 28100	95'10" 62'0" 1190 Sq. Ft.	5-7.9MM	NONE	-	
JUNKERS JU-251 (2) JUNKERS JU-207A PRESS. CABIN BOMBER	800/25000 1000/25000 1000/ S.L.	290/30000	- 42000	1980 2280	1705/ - / - 1500/240/ - -	-	540 380 -	NONE 1750 2200	- 22000 -	78'0" 53'0" 900 Sq. Ft.	NONE	NONE	-	
JUNKERS JU-87B (1) JUNKERS JU-211D DIVE BOMBER	1175/14500 1300/12500 1350/ S.L.	255/13500	19/15000 18500 NONE	-	1220/180/ - 720/180/ - 620/185/ -	-	360 204 204	NONE 2200 4400	8900 11500 12600 14500	45'4" 35'5" 350 Sq. Ft.	4-7.9MM-1000	ALL	-	
JUNKERS JU-88A-5 (2) JUNKERS JU-211F BOMBER	- 1075/13500	275/14000	11.8/17500 28000	3000 1640	1855/224/ - 1195/230/ - 540/225/ -	-	1190 770 445	NONE 2200 6400	26500 26000 27500	65'0" 47'0" 590 Sq. Ft.	1-20MM- 7-7.9MM-	ALL	-	
JUNKERS JU-88 (2) BMA 801 G-2 BOMBER	- 1550/20000	325/20000	- 34000	-	- 800/254/ - -	-	990 540 IMP. -	- 3800 -	- -	72'5" 49'0" 600 Sq. Ft.	1-20MM - 3-15MM -	ALL	-	

NOTES: \* ESTIMATED

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CONFIDENTIAL MONTHLY CHART JAPANESE AIR FORCE AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 September 1944

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 10' OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WT. EMPTY DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIBERS OF MM. PER GUN	COMBAT PROT. REFERENCE TYPE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM				
TYPE 0 F ZEKE ONE NAKAJIMA SAKAE 12 NW-1 FIGHTER	950/13750	325/15000/-	2750/ S.L. 35500	-	1480/149 - 895/145 -	225* 139	-	5718 5135 5555	39'5" 39'10" 248 Sq. Ft.	2-7.7MM - 500 2-20MM-50	NONE FOR 10000'
TYPE 0 F HAMP ONE NAKAJIMA SAKAE 21 FIGHTER	1020/1400 950/ S.L.	328/15500 - 55	3410/ S.L. 35200	-	1580/145 - 1180/155 -	228* 154	-	5918 5371 5750	38'2" 37'9" 238 Sq. Ft.	2-7.7MM - 500 2-20MM-100	NONE
TYPE 4 F TONY ONE TYPE 2 KAWASAKI FIGHTER	1100/-	370/18000	-	-	1050/- - 700/- -	- 102	-	5550 5800	38'4" 30'0"	4-12.7MM - L.P. TANKS	ARMOR
TYPE 2 F TONU ONE 1450 NAKAJIMA FIGHTER	1450/-	350/12500	-	-	-	197 128	-	5200 5595 5080	33'0" 29'3" 185 Sq. Ft.	2-7.7MM - 2-12.7MM -	ARMOR L.P. TANKS (INEFFECTIVE)
TYPE 2 JEF TWO MITSU 2 FIGHTER	945/17800 1050/8000	310/18000/-	34000	-	850/- - -	302	-	11500	50'0" 47'0" 345 Sq. Ft.	4-12.7MM - 1-37MM -	NONE
TYPE 1 F OSLAB TYPE 99 FIGHTER	950/15000 990/ S.L.	315/15000/-	35000	-	1225/175 - -	207* 149	-	3490 3700 4520	37'0" 29'0" 239 Sq. Ft.	2-13MM-220	L.P. TANKS (INEFFECTIVE) 13MM ARMOR
TYPE 97 F NATE ONE HIKARI FIGHTER	800/13000	280/13000/-	3500 FRM 34000	-	800/200/- 450/233/-	151* 80	-	3250 5000 4400	35'0" 24'4"	4-7.7MM - 550	NONE
TYPE 0 FFP RUPE ONE NAKAJIMA SAKAE 12NW-1 SEAPLANE FIGHTER	950/13750	280/16000/-	2500/ S.L. 35500	-	1480/149 - 895/145 -	225** 139	-	4145 5435 5920	39'5" 38'2" 248 Sq. Ft.	2-7.7MM-500 2-20MM-50	NONE
TYPE 0 2EB HELEN TWO NAKAJIMA 1450 MEDIUM BOMBER	1450/ S.L.	299/13700/-	17.1/20000 29200	-	2040/233 - -	1200 1200	2250 2290	14730 25491	58'0" 54'0" 755 Sq. Ft.	3-7.7MM - 1- 20MM -	L.P. TANKS (INEFFECTIVE) ARMOR
TYPE 97 2EB SALLY M42 TWO TYPE 100 MITSU MEDIUM BOMBER	1450/-	285/13000/-	30000	-	950/- - -	-	-	21500	74'8" 48'0"	5-7.7MM - 1-12.7MM -	L.P. TANKS (INEFFECTIVE)

NOTES: \* - REVISED

\* - JETTISONABLE FUEL TANK.  
\*\* - EXTRA FUEL CARRIED IN MAIN FLOAT.  
‡ - THIS IS O 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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MONTHLY CHART  
AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

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JAPANESE AIR FORCE

DATE: 1 September 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
TYPE 1 ZEB BETTY TWO KASEI 25 MEDIUM BOMBER	1420/19800 15200	288/15500/-	-	-	5000/100/- 1800/130/-	1954 765	- 1760	14722 27500 20442	31'10" 66'8"	4-7.7MM-500 1-20MM-80	L.P. TANKS (INEFFECTIVE)	FOR EQUIP.
TYPE 9V ZEB LILY MK2 TWO TYPE 2 NAKAJIMA LIGHT BOMBER	1150/9000	412/17000/-	10.4/20000 5100	-	- 1920/232/-	490 450	800 1000	9795 15500	56'10" 45'4" 445 SQ. FT.	4-7.7MM-	NO ARMOR L.P. TANKS (INEFFECTIVE)	" "
TYPE 9A 30 VAL ONE KINSEI 44 LIGHT BOMBER	1300/8500 8000/10000	249/12000/-	-	-	1420/140/- 875/190/-	313 271	- 814	5900 8770	48'0" 37'0"	3-7.7MM-	NONE	" "
TYPE 9F TR KATE ONE NAKAJIMA SAKAE TORPEDO BOMBER	1000/8000	240/10000/-	-	-	1100/154/- 980/179/-	- -	800 1700	4830 7250 8350	52'0" 34'0" 370 SQ. FT.	2-7.7MM-500 1-7.7MM-500	NONE	" "
TYPE 0 26W DINAH TWO-PRN MITSUBISHI RECONNAISSANCE	1650/11000	314/21000/-	-	-	- -	- -	- -	- -	50'0" 35'0"	NONE	NONE	" "
TYPE 0 R JOSH ONE 21 ATSUTA RECONNAISSANCE	600/7000 1200/	-	-	-	- -	449* 275	- -	5415 8048	37'0" 33'6" 254 SQ. FT.	3-7.7MM-	-	" "
TYPE 0 FR PETE ONE SUISEI 13 REC. FLOAT PLANE	-	220/9000/-	-	-	- -	- -	- -	4132 5623	37'0" 26'6"	2-7.7MM-500 1-7.7MM-700	NONE	" "
TYPE 9T 4EPR HEAVIS FOUR-KINSEI 44 FLYING BOAT	900/15000	160/15000/-	-	-	2400/110/- 1900/217/- 1750/110/-	2350 1747	- 3500	25000 50000 44100	131'0" 82'0"	4-7.7MM- 1-20MM-	NONE	" "
TYPE 75 GULL ONE KASEI 25 TORPEDO BOMBER	-	-	-	-	-	-	-	-	49'6" 35'0"	1-7.7MM-	NONE	" "

NO. 'S:

\* - JETTISONABLE FUEL TANK.

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RUSSIAN AIR FORCE

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 September 1941

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 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 ARM. PER GUN	COMBAT PROT. TYPE	REFERENCE			
					SPEEDS & POWER							WT. EMPTY ALTIGHT	WT. FULL ALTIGHT	WT. FULL ALTIGHT
					MAXIMUM NORMAL WITH MAX. BOMBS	MAX. NORM. NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM							
I-16 M-17E ENGINE FIGHTER	1000/12500	270/15000 450/15000	5/12000 22500 NONE	— — —	520/1700— 245/250—	57 44	— —	5000 5000	29'2" 20'4" 125 SQ. FT.	4-7.5 MM	—	ATS ETDUSA 9/28/41		
I-17 M-100 ENGINE FIGHTER	1100	305/12700—	5-0/12700 15000 NONE	—	741/274—	—	—	—	55'2" 24'8" 191 SQ. FT.	4-9S	—	M. I. D. 10/10/40		
MIG-3 M-35 ENGINE FIGHTER	1200/14500	375/22000— 410/15000—	6-0/20000 15000 NONE	—	470/250— 590/217—	155 105	—	5700 5700	54'5" 25'0" 140 SQ. FT.	2-7.5 MM 1-12.7 MM	ARMOR	ATS ETDUSA 9/28/41		
IL-2 (STORAGOVIK) M-34 ENGINE DIVE BOMBER	1500/5400	250/5000— 275/6000—	6-9/2000 —	—	550/170— 350/224—	120 120	1100 1100	12000 12000	47'11" 39'0" 355 SQ. FT.	2-20 MM 2-7.5 MM	ARMOR L.P. TANKS S.P. GLASS	—		
TB-5 FOUR, 34 ENGINES HEAVY BOMBER	600	250/—	24/15000 25000	—	1250/—	—	—	—	—	5 MG	—	M. I. D. 4/25/41		
SB-3 TWO, MID-3 ENGINES BOMBER	550/11400	240/5000— 250/14000— 58	10/14000 25248 —	—	1085/150— 650/220— 480/150—	425 420 242	1520 1520 2540	10000 ? 17000 ? —	55'11" 41'0" 515 SQ. FT.	2-7.5MM-550 1-7.5MM-1050 1-7.5MM-700	ARMOR	ATS ETDUSA 9/28/41		
DB-3F TWO, M-37 ENGINES BOMBER	1100/14700	275/15000—	15/15400 25500	—	2500/150— 1480/210— 1000/210—	1000 808 540	5500 2200 5400	21750 10700 21750	70'2" 47'7" 705 SQ. FT.	2-7.5MM-1100 2-7.5MM-1100 1-7.5MM-550	—	—		
PE-2 TWO, M-105 ENGINES DIVE BOMBER	1050/12000	265/5000— 295/14000—	10/14000 —	—	580/185— 485/255—	258 258	2200 2200	15500 15500	55'1" 41'5" 355 SQ. FT.	1-7.5MM— 1-12.7MM—	—	—		
TB-7 FOUR, M-34A ENGINES HEAVY BOMBER	1200/14500	255/5000— 275/22000—	28.5/22000 32000	—	2550/185— 2200/258— 1850/185—	2580 2580 1920	4400 4400 8800	53000 53000 53000	132'0" 74'0" 2050 SQ. FT.	2-7.5MM-400 1-20MM-150 1-20MM-200 2-12.7MM-200	—	—		

NOTES:

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