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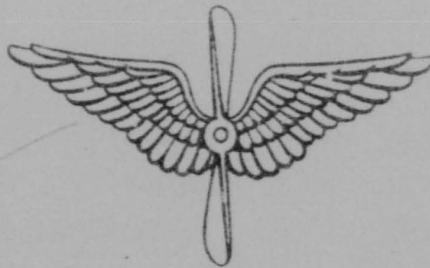
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EE-306-3
FOREIGN

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE



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By authority of AG of S, C-2, WDOG
by
E. S. JOHNSTON
Colonel, Infantry

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PUBLISHED BY AUTHORITY OF THE COMMANDING GENERAL,
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MATERIEL COMMAND, WRIGHT FIELD, DAYTON, OHIO

1 JULY 1944

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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 analagous 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

PAGE 1

DATE: JUNE 1942

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 SPEEDS & POWER		FUEL with	BOMBS at	WEIGHTS WEIGHTS WEIGHTS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM						
BLACKBURN Firebrand ONE Napier Sabre III	1570/16250 1920/16000 2250	350/18000/-	11/20000 31600 -	1550	-	1025/239/-	200	NONE	3925	30'0"	4-20MM-80	-	DN 1/29/42 E7005A PART. 274
BLACKBURN POC I ONE His. Perceus XII	905/6500 745/6500 840	221/7500/-	25.6/19000 18200	-	-	550/150/-	140	NONE	5175	47'0"	4-303/600	NONE	MID-ON 11/7/42
BLACKBURN SKUA I ONE His. Perceus XII	905/6500 745/6500 840	221/7500/-	22.1/15000 19100	-	-	500/140/- 500/140/- 500/140/-	105 135 141	NONE 500 500	5440 5475 6412	47'0"	4-303/600	PILOT ARMOR ONLY	MID-ON 11/7/42
BOLTON PAUL Defiant ONE RR-MERLIN III	900/12250 1050/16250 880	404/17000/-	8.5/15000 50000	1500 2510	-	580/180/- 456/160/-	125 125	NONE NONE	5918 7712	35'4"	4-303/600	ARMOR L.P. TANKS	6/2/42 6/12/42
BOLTON PAUL Defiant ONE RR-MERLIN XX	1100/16000 1170/21000 1280	555/22000/-	7.0/15000 54200	1350 2370	-	480/175/- 370/276/-	125 125	NONE NONE	5187 7765	40'4"	4-303	-	6/4/42 6/12/42
BRISTOL BEAUFIGHTER TWO His. Hercules XI	1200/14000 2510/11250/ 1500	504/11750/-	-	1725 2580	-	1515/225/-	550	NONE	15931 21720	37'10"	4-20MM-205 5-303/1000	ARMOR L.P. TANKS SUP. GLASS	M.S.P. DAYTON 362
BRISTOL BEAUFIGHTER TWO RR-MERLIN XX	1180/18000 1170/21000 1280	529/20400/-	6.4/15000 58000	2070 2505	-	1510/225/-	550	NONE	12855 20374	37'10"	4-20MM-205 5-303/1000	ARMOR L.P. TANKS SUP. GLASS	M.S.P. Type DAYTON 362 11/9/42
BRISTOL BEAUFIGHTER TWO BRIS. HERCULES VI	1500/14800 1450/15500 1770	534/19500/-	7.9/15000 27000	1945 2450	-	1480/245/-	550	NONE	21522 21522	37'10"	4-20MM-240 5-303/1000	ARMOR L.P. TANKS SUP. GLASS	M.S.P. Type DAYTON 362 11/9/42
DEHAVILLAND MOSQUITO TWO RR-MERLIN XXI	1180/18000 1170/21000 1280	480/20000/-	7.0/20000 29500	2174 2635	-	1205/240/-	485	1000	14519 19220	54'2"	4-20MM-150 4-303/600	-	M.S.P. Type DAYTON 362 11/9/42
FAIRY Firefly ONE RR-GRIFTON II	1365/17000 1590/19000 1765	338/21000/-	11.2/21000 19500	1950	-	700/222/-	-	NONE	8751 11271	44'5"	2-20MM-175 2-20MM-150	-	DN 1/29/42 E7005A PART. 274

NOTES: * ESTIMATE

Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 2

DATE: 1 JULY 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRUI. 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			WT. EMPTY WEIGHTS AT 10,000'	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)	MAXIMUM NORMAL					
FAIRCHILD PT-19 ONE PT-19 ONE PT-19	1240/1700 2000/2700 2100	284/3000 34	28.1/10000 24000		920/150	126	NONE	4800	40'0"	30'-00"-2000 OR L.P. TANKS	ARMOR	M.I.D. 11/7/42
HARLER PUFFBLINE ONE RR-MERLIN XV	1120/1240 2170/2190 1285	333/24000	7.9/17000 4500	1250 1400	940/190	115	NONE	7200	40'0"	12'-00"-500 L.P. TANKS	ARMOR	S.A.C. 8/1/42
HARLER PUFFBLINE ONE RR-MERLIN XV	1120/1240 2170/2190 1285	333/24000	7.9/17000 4500	1250 1400	940/190	115	NONE	7200	40'0"	12'-00"-500 L.P. TANKS	ARMOR	S.A.C. 8/1/42
HARLER PUFFBLINE ONE RR-MERLIN XV	1120/1240 2170/2190 1285	333/24000	7.9/17000 4500	1250 1400	940/190	115	NONE	7200	40'0"	12'-00"-500 L.P. TANKS	ARMOR	S.A.C. 8/1/42
HARLER PUFFBLINE ONE RR-MERLIN XV	1120/1240 2170/2190 1285	333/24000	7.9/17000 4500	1250 1400	940/190	115	NONE	7200	40'0"	12'-00"-500 L.P. TANKS	ARMOR	S.A.C. 8/1/42
HARLER TEMPEST ONE NAPHER SABRE II	1770/2000 1900/2000 2000	450/26000	5.7/12000 3800	1865 2450	920/240	250	NONE	11000	41'0"	4-20MM.-	ARMOR	M.I.D., THRU DAYTON 542 11/8/42
HARLER TEMPEST ONE NAPHER SABRE II	1770/2000 1900/2000 2000	450/26000	5.7/12000 3800	1865 2450	920/240	250	NONE	11000	41'0"	4-20MM.-	ARMOR	M.I.D., THRU DAYTON 542 11/8/42
HARLER TEMPEST ONE NAPHER SABRE II	1770/2000 1900/2000 2000	450/26000	5.7/12000 3800	1865 2450	920/240	250	NONE	11000	41'0"	4-20MM.-	ARMOR	M.I.D., THRU DAYTON 542 11/8/42
HARLER TEMPEST ONE NAPHER SABRE II	1770/2000 1900/2000 2000	450/26000	5.7/12000 3800	1865 2450	920/240	250	NONE	11000	41'0"	4-20MM.-	ARMOR	M.I.D., THRU DAYTON 542 11/8/42
HARLER TEMPEST ONE NAPHER SABRE II	1770/2000 1900/2000 2000	450/26000	5.7/12000 3800	1865 2450	920/240	250	NONE	11000	41'0"	4-20MM.-	ARMOR	M.I.D., THRU DAYTON 542 11/8/42
MARTIN-BAKER ONE NAPHER SABRE II	1875/1520 1800/1520 2010	330/14000			1-1/2 HRS. ENDURANCE				37'0"	6-20MM.-200		SPECIAL ARMY DESERV. 1/24/42
SUPERMARINE SPITFIRE ONE RR-MERLIN XV	1200/1600 1250/1750 1185	374/20000	5.2/15000 3700		500/242	102	NONE	5212	35'10"	8'-00"-500 L.P. TANKS S.P. GLASS	ARMOR	AAF DAYTON FLIGHT TEST
SUPERMARINE SPITFIRE ONE RR-MERLIN XV	1200/1600 1250/1750 1185	374/20000	5.2/15000 3700		500/242	102	NONE	5212	35'10"	8'-00"-500 L.P. TANKS S.P. GLASS	ARMOR	AAF DAYTON FLIGHT TEST
SUPERMARINE SPITFIRE ONE RR-MERLIN XV	1200/1600 1250/1750 1185	374/20000	5.2/15000 3700		500/242	102	NONE	5212	35'10"	8'-00"-500 L.P. TANKS S.P. GLASS	ARMOR	AAF DAYTON FLIGHT TEST
SUPERMARINE SPITFIRE ONE RR-MERLIN XV	1200/1600 1250/1750 1185	374/20000	5.2/15000 3700		500/242	102	NONE	5212	35'10"	8'-00"-500 L.P. TANKS S.P. GLASS	ARMOR	AAF DAYTON FLIGHT TEST

NOTES: *ESTIMATE
**AT WEIGHT OF 10855
D ESTIMATED TAKE-OFF WEIGHT OF 10500

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH FIGHTER

PAGE 1

DATE: 1 JULY 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 SPEEDS & POWER		FUEL with NORMAL (WITH MAX. BOMBS)	BOMBS NONE NORMAL MAXIMUM	WEIGHTS 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)							
SUPERMARINE SPITFIRE VC ONE RR-MERLIN XV	1200/15500 1295/17750 1185	319/24500/-	7.0/20000 36500	-- --	1085/206/- 474/-/-	-- --	NONE NONE	5007 5750	242 SQ. FT.	4-20MM-120 L.P. TANKS	20MM L.P. TANKS	BRN 150/42 17008 2047-50-204 10/20/42	
SUPERMARINE SPITFIRE VII ONE RR-MERLIN XI	1190/25000 1900/24000 1375	434/26500/-	7.8/20000 40250	2095 2220	-- 752/251/-	-- 144	NONE	3700	240 SQ. FT.	4-20MM-120 2-20MM-120 L.P. TANKS S.P. GLASS	20MM L.P. TANKS S.P. GLASS	M.S.P. THRU DAYTON SAC 11/9/42	
SUPERMARINE SPITFIRE IX ONE RR-MERLIN XI	1190/25000 1900/24000 1375	405/26500/-	4.2/15000 40750	1975 2150	472/228/-	102	NONE	7450	242 SQ. FT.	4-20MM-120 2-20MM-120 L.P. TANKS S.P. GLASS	20MM L.P. TANKS S.P. GLASS	M.S.P. THRU DAYTON SAC 11/9/42	
SUPERMARINE SPITFIRE XX ONE RR-JAFFON II	1570/15290 1800/15290 2010	391/20000/-	-- 31500	1980 2460	-- 500/249/-	-- 156	NONE	8400	--	4-20MM-120 L.P. TANKS S.P. GLASS	20MM L.P. TANKS S.P. GLASS	M.S.P. THRU DAYTON SAC 11/9/42	
WESTLAND WILKIN TWO RR-MERLIN XI	1190/25000 1400/24000 1375	451/26000/-	6.26/20000 44300	1990 2090	-- 1050/248/-	-- 154	NONE	10000 10700	470 SQ. FT.	4-20MM-120	20MM	M.S.P. THRU DAYTON SAC 11/8/42	
WESTLAND WHIRLWIND TWO RR-PEREGRINE I	970/14900 990/14000 855	339/15800/-	9.4/20000 50000	1990 2050	590/190/- 570/505/-	155 105	NONE NONE	9200 10210 10222	321 SQ. FT.	4-20MM-120 L.P. TANKS S.P. GLASS	20MM L.P. TANKS S.P. GLASS	M.S.P. 5/12/42	
Bristol Blenheim IV TWO MERCURY XV	825/14000	250/12000/-	14/15000 24200	-- --	-- --	-- --	-- --	9250 14100 12550	457 SQ. FT.	4-303-500 1-303-500 L.P. TANKS	303	SEE INFO. DEPT. RECH. 10/1/42	
DEHAVILLAND MOSQUITO X TWO MERLIN XV	1550/12000 1470/24000	417/25000/-	-- 4000	-- --	-- --	-- --	-- --	14440 13700	474 SQ. FT.	4-303-500 4-20MM-120	303	SEE INFO.	

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MONTHLY CHART
CONFIDENTIAL - AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE:

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.—EDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL 8 TH MAX. BOMBS	MAXIMUM NORMAL 14 TH MAX. BOMBS	NONE NORMAL MAXIMUM					
4800—WHITORTH WHITLEY V TWO RR-MERLIN V	450/18000 1710/17700 1000	225/17000/- — —	37.6/15000 14000 —	— — —	1935/1700/- 1450/1700/- 470/1700/-	— — —	1200 1500 7000	18745 — 82000	41'0"	1-400-400 4-400-1000	— — —	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
4800—LANCASTER FOUR RR-MERLIN XX	1100/18000 1170/21000 1200	200/20000/- — —	18.6/15000 11/20000 8/20000	4000 2500 —	3000/1800/- 2910/1800/- 1150/1800/-	3000 2800 1200	NONE 4250 12700	40000 30000 60000	102'0" 58'11" 1200 Sq. Ft.	4-400-2000 4-400-1000 3-400-500	ARMOR L.P. TANKS S.P. GLASS	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
4800—LANCASTER FOUR RR-MERLIN XX	1400/18000 1510/18500 1000	200/19500/- — —	20/14000 14/21200 9/20000	5000 2400 —	3750/1800/- 3450/1800/- 1070/1400/-	4000 3800 1000	NONE 3500 12700	40000 30000 60000	102'0" 58'11" 1200 Sq. Ft.	4-400-2000 4-400-1000 3-400-500	ARMOR L.P. TANKS S.P. GLASS	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
BRISTOL BRADPORT I TWO BRISTOL TAUROS IV	480/8700 1150/15000 1000	270/6000/- — —	— 19000 —	— — —	— 1700/1400/- —	— — —	— — —	21910 — 19000	58'0" 44'0" 400 Sq. Ft.	2-400-1000 2-400-1000	— — —	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
BRISTOL BLENHEIM IV TWO BRISTOL MERCURY	— 820/14000 920	265/16000/- — —	9/10000 27000 —	— — —	1410/270/750 — —	700 335	1100 1500	14400 14400	37'4" 40'0" 454 Sq. Ft.	4-500 — —	ARMOR L.P. TANKS S.P. GLASS	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
BRISTOL BLENHEIM V BRISTOL MERCURY XV	— 920/14000 920	244/6000/- — —	14500 — —	— — —	1250/1700/- — —	— — —	— 1000	17000 —	37'4" 40'0" 454 Sq. Ft.	1-400-400 4-400-1000	— — —	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
BRISTOL BUCKINGHAM TWO BRIS. CENTAURUS IV	— 1700/18200 —	340/19000/- — —	16.0/15000 A. 22500 B. 21200	4500 2400 —	3500/2150/- 1570/201/- 1570/201/-	1990 1200 1200	NONE 4000 4000	35000 35000 35000	71'0.6" 48'0" 710 Sq. Ft.	9-400-1000 2-400-700	— — —	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
DEHAVILLAND MOSQUITO MK. V TWO RR-MERLIN XXI	1180/18000 1170/21000 1200	174/22000/- 102 —	11/17000 28000 —	2500 2400 —	1720/-/0 1540/-/0 —	— 645 645	2000 2500	20540 21910	56'0" 41'0" 450 Sq. Ft.	NONE — —	ARMOR L.P. TANKS S.P. GLASS	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
FAIREY ALBATROSS ONE BRIS. TAURUS XII	880/8700 1150/15000 1000	170/4000/- — 50-85	10.5/10000 14400 —	— — —	700/214/- 580/145/- —	234 — 234	NONE — 1500	9000 — 12400	50'0" 40'0" 507 Sq. Ft.	1-400-400 2-400-700	ARMOR L.P. TANKS	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40
FAIREY BARRACUDA ONE RR-MERLIN 50	1240/7100 1250/8700 1500	275/11000/- — —	5.7/6000 21000 —	— — —	— 550/140/- —	— — —	— 1510	9140 — 13170	49'0" 40'0" 614 Sq. Ft.	2-500 1-400-400 (RECONN. ONLY)	— — —	AIR. TECH. SER. E70004 REPT. NO. 274 10/29/40

NOTES:
 * OPERATIONAL CEILING; 500 FT/MIN RATE OF CLIMB
 ** NORMAL RECONN. LOAD
 A SERVICE CEILING AT MAXIMUM WEIGHT
 B SERVICE CEILING AT MEAN WEIGHT
 C MAXIMUM WEIGHT AT TAKE-OFF
 D HIGH SPEED IN TEST ON MK. IV AT WRIGHT FIELD WAS 565/20,500

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MONTHLY CHART DATE: 10/27/1944

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. -1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS			WEIGHTS Wt. Empty At Fight At Fight Maximum Weight	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT No. of Guns - Cal. - How. M. Arm. Per Gun	COMBAT PROT. REFEREN TYPE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM				
VICKERS BARONET II TWO BRAS. CENTAURUS LV	1775/18400	277/20000	50/15000	4000	1575/180	1458	5100	2920	55'6"	6"-503-1000	A.C.R.D.1
VICKERS WELLINGTON IC TWO BRAS. PEGASUS VXXXX	750/14750 895/15000 300	235/15500	25/15000	-	225/155	-	1010	18600	65'0"	6"-403-1000	FAW TECH.2 E235A REF. 30.27 1070/42
VICKERS WELLINGTON III TWO RO-MERLIN X	960/18000 1020/17750 1075	244/17000	33.5/15000	4000	1580/195	900	5500	20000	60'0"	4"-503-1000	A.C.R.D.1 E235A
VICKERS WELLINGTON III TWO BRAS. HERCULES XI	1200/14000 1510/11250 1590	255/11500	28.5/15000	-	2200/185	-	1500	21200	60'0"	6"-503-1000	FAW TECH.2 E235A REF. 30.27 1070/42
VICKERS WELLINGTON VI TWO RO-MERLIN IX	1085/15000 1085/15000 1225	312/12000	35/14000	4075	-	-	-	20200	60'0"	4"-503-1000	A.C.R.D.1
VICKERS WELLINGTON X TWO BRAS. HERCULES VI	1500/15500 1540/15500 1510	255/15500	29.0/15000	2850	2100/185	1245	1500	21130	60'0"	6"-503-1000	A.C.R.D.1

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

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

PAGE 7

DATE: 1 JULY 1944

MODEL & MFR. ENGINE	ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE			WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
					with	FUEL	with					
ONE. NO. PLANES	NORMAL/ALT. MIL. CHIT. ALT. TAKE-OFF S. L.	HIGH-ALT./H.P. LANDING	TIME TO 10,000 FT. SERV. CEIL. 10,000 FT. ENGS. OUT	T. O. OVER 50 OBS. LAND OVER 50 OBS.	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT	SPAN LENGTH WING AREA	NO. OF GUNS - CAL. - RDS. OF AMM. PER GUN	TYPE	
VE-10A-1	1100/11000 1150/11800 1150	158/12400	5.1/10000 29000	-	-	135-10.5.1	-	5875 7982 7815	34'0" 29'9" 213 Sq. Ft.	4-10-1000 2-50-270 2-20mm-50	-	AAEE-774 AFDU-NO. 54
VE-10B-1	-	-	-	-	-	-	-	-	-	-	-	AAEE-754.1
VE-10C-1	-	-	-	-	-	-	-	-	-	-	-	AAEE-765
VE-10D-1	-	-	-	-	-	-	-	-	-	-	-	AAEE-765
VE-10E-1	-	-	-	-	-	-	-	7000 - Test	-	-	-	-
VE-10F-1	1100/11000 1150/11800 1150	152/14400	14.2/20000 28700	1420	1000	139	-	5971 8800 8480	37'4" 31'9" 210 Sq. Ft.	5-10-2450T	-	AAEE-784
VE-10G-1	1100/11000 1150/11800 1150	154/20400	18.9/29000 34300	-	-	279	-	8480 Test 8480	-	-	-	AAEE-784.1
VE-10H-1	-	-	-	-	-	158	-	8410	-	-	-	-
VE-10I-1	1050/10500 1100/11000 1100	-	-	-	-	325	-	11775 15550	51'4" 47'5" 455 Sq. Ft.	-	-	-
VE-10J-1	1275/11800 1500	120/13000	-	2540	-	325	-	14144 17741	-	-	-	AAEE-771
VE-10K-1	1500	-	-	-	-	458	-	18751	48'0"	-	-	-
VE-10L-1	900/12200 1200	-	-	1360	-	-	-	-	-	4-10-	-	AAEE-762
VE-10M-1	1000/12500 1000/13100 1200	-	-	1710	890	150	-	5499 7790 7550	38'1" 29'1" 261 Sq. Ft.	6-10-225	-	AAEE-760.1
VE-10N-1	-	-	-	-	-	-	-	-	-	-	-	-
VE-10O-1	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:
 * TESTED WITH JETTISONABLE FUEL TANK GR.WT. 8840#
 ** AT 17000' AND 0% FLAP
 † ALLOWANCE MADE FOR WARM UP, TAKE OFF, ETC.
 ‡ STALL AIR RANGE.
 ‡ ANOTHER TEST AT 17000' GAVE 831 MPH
 ‡ AT WEIGHT 6200#

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MONTHLY CHART

BRITISH - FIGHTERS (U.S. BUILT)

PAGE #

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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.-12 ENGS. OUT	T. O. & LAND		RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-DIMS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
				T. O. OVER 50' OBS.	LAND OVER 50' OBS.	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
GRUMMAN MARTLETT IV	- -	- -	- -	- -	- -	- -	- -	- -	5591 7760	- -	2-.50-470 2-.50-450 2-.50-500	44EE/762,8
ONE P-1820-205A-4												
NORTH AMERICAN NA-73 MUSTANG IV	1000/11000 1150/11800 1150	370/15000	7.5/15000 30000	1920	950/ - / -	155 (U.S.)	-	-	8625	- -	2-.50-900 2-.50-800 2-.50-500 2-.50-200	44EE/781
ONE V-3710-F3P												

NOTES: * 150 FLAP FOR TAKEOFF.
* ONE TANK LABELLED 84 U.S. GALS. WOULD HOLD ONLY 72 GALS.

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CONFIDENTIAL MONTHLY CHART **BRITISH - BOMBARDMENT (U.S. BUILT)** PAGE 5
AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 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	NON- NORMAL MAXIMUM				
LOCKHEED 414 HUDSON III Two R-1820-320A4	900/12000 1200	244/14100	-	2100	13 HRS. 7.5 HRS.	896 644	- 1080	- -	58' 10" 44' 10" 851 Sq. Ft.	2-300-1200 3-300-900 Tot. 2-500-2000	AIFE 749, P.
LOCKHEED 414 HUDSON IV Two R-1840-50A6	- -	260/16000	12.0/10000	2500	- -	- -	- -	- -	- -	- -	AIFE 749, P.
LOCKHEED 414 HUDSON V Two R-1840-54C4-B	1000/12000 1000/14100 1200	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LOCKHEED VEGA X VENTURA Two R-2800-51A45	1500/17500 1840/27000 1850	- -	- -	- -	- -	- 305	- 2500	17400 26700	- -	4-300-1000 2-400-750 2-500-250	AIFE 750
MARTIN 167 MARYLAND I Two R-1840-50A6	400/12000 1040/17700	294 3000 80	17.1/15000	1450	1870/179/ -	750 U.S.	- -	11000 17850 15870	51' 4" 45' 8" 742 Sq. Ft.	6-300-500	AIFE 765
MARTIN 167 MARYLAND II Two R-1840-	- -	NO DATA AVAILABLE	- -	- -	- -	NO DATA AVAILABLE	- -	- -	- -	- -	- -
MARTIN 187 BALTIMORE I Two R-2600-44B4	1275/11500 1500	- -	- -	- -	- -	- -	- -	- -	- -	4-300 4-300-500 2-500-400 2-500-400	- -
MARTIN 187 BALTIMORE II Two R-2600	- -	NO DATA AVAILABLE	- -	- -	- -	NO DATA AVAILABLE	- -	- -	- -	- -	- -
MARTIN 167 BALTIMORE III Two R-2500-44B4	1275/11500 1500	301/10400	10.5/14000	23500	770/-	488	2000	20350	- -	- -	AIFE 762, A.
NORTH AMERICAN B40 MITCHELL I Two R-2600-4	1800/20000 1400/17000 1700	- -	- -	- -	- -	- -	- -	- -	- -	- -	AIFE 794

NOTES:
 * - AT 20500*
 A - ALLOWING 50 U.S. GAL. FOR TAKEOFF, ETC.
 Z - RANGE GIVEN IS PRACTICAL RANGE - 75% STILL AIR RANGE

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 11

BRITISH BOMBARDMENT (U.S. BUILT)

DATE: 1 JULY 1944

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. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM			
NORTH AMERICAN NA-90 MITCHELL 11	1350/13000 1450/12000 1700	294/14800	10.8/15000 26700	-	-	-	-	-	2-.50 - 2-.50 - 1-.50 -	AAEE/754, 4
120 R-2500-13							25000 - TEST			
VOUGHT SIKORSKY V-436 CHESAPEAKE 1	750/9800 825	222/4700	20.0/10000 16000	2300	1170/ - / -	245 (U.S.)	500	9040	4-.50 - 1-.50-1400	AAEE/778
ONE R-1585-5548		**	**	**				3620		
VOUGHT -SIKORSKY KINGFISHER 1	-	163/3900	29.2/10000 11800	2150	730/106/ -	244 100	-	4990	1-.50-500 1-.50-600	AAEE-780
ONE R-368-AN-2					440/106/ -	80	500	5425		
VULTEE VENGEANCE 1	-	-	-	-	-	-	-	-	6-.50 -	-
ONE R-2500-240-5										

NOTES: * AT 8040#
 ** AT MAX. GROSS WEIGHT

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

PAGE 11

DATE: 1 JULY 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. CELL CEIL. - I.2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CAL. - BK. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE			
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				NONE NORMAL MAXIMUM	WT. EMPTY GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT	
ROCKE-WELF 190A-1 (1) BMW - 801D FIGHTER	1450/- 1500/14000 1595/ S.L.	395/17000/- 110	6.25/18000 18000 NONE	2250 2700	820/220/- 380/335/- 440/230/-	215 158 158	NONE NONE NONE	6240 9200 8500 9800	34'5" 29'2" 203 Sq. Ft.	2-7.9MM-1000 2-20MM-200 2-20MM-80	ALL	TECH. DATA FILES
JUNKERS J-88C5 (2) PWA - 801D NIGHT FIGHTER	1450/18000 1550/20000 1595/ S.L.	347/17000 -	10.3/28500 30200 -	2310 2055	1020/245/- 800/230/- -	948 444 -	NONE	21000 27800 25000 -	56'0" 47'0" 590 Sq. Ft.	3-20MM-120 7-7.9MM-1000	ALL	
MESSERSCHMITT ME-109F (1) DB-601E FIGHTER	1220/15000 1350/14500 1395/ S.L.	390/22000/- -	5.7/18000 30000 NONE	1800 2100	1050/205/- 600/205/- 540/200/-	185 185 135	NONE -	4740 EST. 6980 6420 7000	32'5" 29'3" 172 Sq. Ft.	2-7.9MM-500 1-20MM-200	ALL	
MESSER: ME-109G2, 4A (1) DAIM. BENZ: DB-604A FIGHTER	1430/16000 1520/19000 1455/ S.L.	395/22000/- -	6.3/18000 37500 NONE	1800 2100	1020/210/- 415/315/- 535/210/-	185 105 105	NONE -	4985 7250 6670 7300	32'5" 29'3" 172 Sq. Ft.	2-7.9MM-500 1-20MM-200 (2-20MM OPTIONAL)	ALL	
MESSERSCHMITT 110 G (2) DB-605B FIGHTER	- 1350/18700 -	358/19000/- -	7.3/18000 36800 NONE	- -	1700/205/- 905/205/- -	575 280 280	515 -	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 -	- -	2350/245/- 1350/240/- 1240/245/-	905 505 505	- 1100 2850	15500 24500 21500 23500	53'2" 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 -	- -	2110/250/- 1190/255/- 1110/250/-	905 505 505	- 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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MONTHLY CHART GERMANY - BOMBERS
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 18

DATE: 1 JULY 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. ML. 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 -CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT
<u>BONNIER DO-211E</u> (2) BMA - 801A BOMBER	1455/14250 1455/17750 1530/ S.L.	310/17000	21/17300	4550	2150/220/- 1010/255/- 960/245/-	1550 780 780	NONE 4400 5500	22500 34000 32000 34000	62'5" 55'5" 59'0" Sq. Ft.	1-20MM-2 2-7.5MM-2 4-7.5MM-4 2-15MM-4	ARMOR	TECH DATA FILES
<u>FOCKE-WULF 230E</u> (4) BRAM-FAFNER "4230" BOMBER	765/14000 940/12000 985/ S.L.	235/13000	11-7/14000	21500	2430/170/- 1250/170/- 1140/215/-	2112 1105 1004	3500 3500 11000	47200 - 50500	106'10" 78'0" 1200 Sq. Ft.	2-20MM-2 4-7.5MM-4 2-15MM-4	ARMOR	
<u>HEINELL 111E</u> (2) DB-601A BOMBER	850/15000 1075/14100 1085/ S.L.	274/12500	15/15000	2200	2540/230/- 1500/215/- 1290/195/-	1321 912 848	NONE 4400 5200	24400 25500 51000	75'10" 51'8" 940 Sq. Ft.	1-20MM-2 2-7.5MM-2 1-15MM-2	ALL	
<u>HEINELL 111T</u> (2) DB-610 BOMBER-RECON.	- 2880/17000	305/20000	29/17000	-	3500/210/- - 580/210/-	EST. 540 308	1100 15800 22000	45000 58000 58000	102'5" 57'4" 1185 Sq. Ft.	EST. 6-7.5-15MM 4-7.5MM	ALL	
<u>HENSCHEL HS-122</u> (2) GDM-14M BOMBER	560/12100 800/8000 800/ S.L.	275/9000	7/10000	3000	590/150/- - 440/150/-	240 100 150	220 220 770	9500 - 11400 12000	44'5" 33'4" 500 Sq. Ft.	2-7.5MM-1000 2-20MM-200 1-30MM-50	ALL	
<u>JUNKERS JU-52/3M</u> (1) BMA - 132A TROOP TRANSPORT	- 560/ S.L.	155/ S.L.	-	1920	790/152/- 530/152/-	540 435	- 22 TROOPS	- 25100 25100	55'10" 52'0" 1190 Sq. Ft.	- 5-7.5MM- -	NONE	
<u>JUNKERS 88P-1</u> (2) JUNKERS JU-207A PRECS. CARIN BOMBER	800/20000 1000/26000 1000/ S.L.	290/30000	-	1980	1700/-/- 1500/240/-	540 580	NONE 1750 2200	- 22900 -	78'10" 51'0" 900 Sq. Ft.	NONE	NONE	
<u>JUNKERS 87B</u> (1) JUNKERS JU-211V DIVE BOMBER	1175/14800 1400/12500 1460/ S.L.	255/13500	19/15000	-	1220/180/- 720/180/- 620/185/-	350 204 204	NONE 2200 4400	8900 11500 12600 14500	45'4" 35'6" 355 Sq. Ft.	4-7.5MM-1000	ALL	
<u>JUNKERS 88A-1</u> (2) JUNKERS JU-211F BOMBER	- 1075/14800	275/14000	31.8/17500	3000	1855/224/- 1155/230/- 540/225/-	1190 770 445	NONE 2500 5400	25500 25000 27500	65'0" 47'0" 590 Sq. Ft.	1-20MM- 7-7.5MM-	ALL	
<u>JUNKERS 88B</u> (2) BMA 801 B-2 BOMBER	- 1530/20000	325/20000	-	34000	800/254/- -	990 540 IMP.	- 3800	- -	72'5" 47'0" 500 Sq. Ft.	1-20MM- 3-15MM-	ALL	

NOTES: * ESTIMATED

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MONTHLY CHART JAPANESE AIR FORCE PAGE 14
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 10' OBS. LAND OVER 10' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSION SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					
TYPE 0 F ZEKE ONE NAKAJIMA SAKAE 12 Mk-1 FIGHTER	950/2470*	320/14000/-	2750/ S.L. 38500	-	1480/149/- 895/145/-	225* 139	-	5718 5135 5055	3215" 3218" 248 Sq. Ft.	2-7.7MM - 500 2-2 9MM-60	NONE	FOR. EQUIP.
TYPE 0 F HAMP ONE NAKAJIMA SAKAE 22 FIGHTER	1020/6400 950/ S.L.	320/15500/-	3410/ S.L. 35200	-	1580/145/- 2180/155/-	228* 124	-	5918 5331 5750	3512" 3318" 238 Sq. Ft.	2-7.7MM - 510 2-20MM-100	NONE	-
TYPE 1 F TONY ONE TYPE 2 K164/141 FIGHTER	1100/-	370/18000	-	-	1890/-/- 2000/-/-	- 192	-	5550 5800	3814" 3010"	4-12.7MM - L.P. TANKS	ARMOR	-
TYPE 2 F TOJO ONE 1450 NAKAJIMA FIGHTER	1450/-	350/12000	-	-	-	197 128	-	5090 5596 5080	3170" 3018" 185 Sq. Ft.	2-7.7MM - 510 2-12.7MM-	ARMOR L.P. TANKS (INEFFECTIVE)	-
TYPE 2 2EF TWO MITSUBISHI FIGHTER	945/27800 1050/8000	350/18000/-	34000	-	850/-/-	302	-	11500	5010" 4710" 235 Sq. Ft.	4-12.7MM - 1-57MM -	NONE	-
TYPE 1 F OSCAR TYPE 99 FIGHTER	950/15000 950/ S.L.	310/15000/-	35000	-	1725/175/-	207* 149	-	5700 4520	3714" 2910" 237 Sq. Ft.	2-13MM-200 1-57MM -	L.P. TANKS (INEFFECTIVE) 13MM ARMOR	-
TYPE 97 F NATE ONE HIKARI FIGHTER	800/13000	380/13000/-	3600 RPM 37000	-	800/200/- 450/233/-	161* 80	-	4250 5000 4400	3513" 3414" -	4-7.7MM - 550	NONE	-
TYPE 0 FFP RUFE ONE NAKAJIMA SAKAE 12NK-1 SEAPLANE FIGHTER	950/13750	280/18000/-	2500/ S.L. 36500	-	1480/149/- 895/145/-	225** 139	-	5425 5425 5920	3215" 3218" 248 Sq. Ft.	2-7.7MM-500 2-20MM- 50	NONE	-
TYPE 0 2EB HELEN TWO NAKAJIMA 1450 MEDIUM BOMBER	1450/ S.L.	299/19700/-	17.1/20000 29200	-	2040/233/-	1200	2290 2290	26491	5810" 5410" 755 Sq. Ft.	3-7.7MM - 1- 20MM -	L.P. TANKS (INEFFECTIVE) ARMOR	-
TYPE 97 2EB SALLY Mk2 TWO TYPE 100 MITSUBISHI MEDIUM BOMBER	1450/-	285/13000/-	30000	-	950/-/-	-	-	21500	7418" 4810"	5-7.7MM - 1-12.7MM-	L.P. TANKS (INEFFECTIVE)	-

NOTES: * - REVISED

* - JETTISONABLE FUEL TANK.
 ** - EXTRA FUEL CARRIED IN MAIN FLOAT.
 # - THIS IS O SSP 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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