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Airplane Characteristics and Performance of

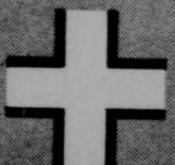
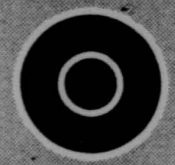
FOREIGN AIRCRAFT

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F o r e w o r d

Characteristics and performance data shown are evaluations of the latest information obtained from various sources including British, U. S. 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 A.A.F. for the expression of characteristics and performance in similar charts. Therefore the definitions on the following page will be generally applicable:

THIS REPORT SUPERSEDES PREVIOUS EE-306-3 PUBLICATIONS; SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN PARAGRAPH 23, A.R. 380-5.

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DEFINITIONS

- ENGINE:** HORSEPOWER RATINGS at altitude are shown but not specified (i.e.) whether Military, War Emergency, etc.
- SPEEDS:** MAXIMUM SPEED at altitude shown is based on military power unless otherwise noted. CRUISE SPEED at altitude shown is based on most economical power for long range cruising.
- CLIMB:** TIME TO ALTITUDE is determined with normal weight and using take-off and then maximum continuous power unless otherwise noted. SERVICE CEILING is the altitude at which the rate of climb is 100 ft. per minute.
- TAKE-OFF & LANDING:** AVERAGE TAKE-OFF & LANDING RUN: Clearance over 50 ft. obstacle shown for British aircraft - others unknown.
- RANGE:** RANGE is shown for three representative conditions and takes into account the fuel, bomb loads and weights shown in the columns immediately to the right. Range has been estimated from reliable sources but actual allowances made are not known.
- WEIGHTS:** EMPTY WEIGHT consists of complete airplane minus crew, fuel oil, armament, bombs and disposable equipment. GROSS WEIGHTS comprise loading with fuel and bombs listed immediately to the left and corresponding to range on same line.
- DIMENSIONS:** SPAN is the distance from wing tip to wing tip projected to ground plane. LENGTH is the distance from nose tip to fuselage tip with fuselage level (excluding protruding guns). HEIGHT is maximum in three point position (top of propeller arc). WING AREA is the standard aerodynamic surface area.
- ARMAMENT:** Typical gun installations showing number of guns, caliber and rounds of ammunition per gun.
- BOMBS:** Number and size or bomb load total shown.
- REMARKS:** Miscellaneous features of aircraft.

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BRITISH		QUARTERLY CHART										PAGE 1				
AIRPLANE CHARACTERISTICS & PERFORMANCE												DATE: 1 April 1945				
AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SERV. CEIL.	T.O. & LANDING	CREW	RANGE with		FUEL with		BOMBS at		WEIGHTS EMPTY ALT. LB. POUNDS ALT. LB.	DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO./CAL. RDS. EA.	BOMBS NO. & SIZE	REMARKS
						MAX. MILES MILES	MILES	MAX. GAL. GALLONS	GALLONS	NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.					
FIGHTERS																
MODEL S 28/43 FAIREY AVIATION CO. FIGHTER	(1) BRISTOL "CENTAURUS-173M" 2585/3000 2310/14000	387/18000 206/10000	4.0/10000 32400	1290 1680	1	1510/206/10000 890/206/10000 575/206/10000	504 288 204	NONE NONE 780	10940 15080 13870 14110	44' 6" 39' 6" 15' 10" 346 Sq. Ft.	2-.50-190	8 - 95	(E) SPAN WITH WINGS FOLDED 87' 0"			
SPITFIRE XLV SUPERMARINE AVIATION FIGHTER	(1) ROLLS ROYCE "GRIFFON-65" 2050/8000 1780/21000	448/26000 245/20000	7.0/20000 43500	1770 2280	1	850/245/20000 610/245/20000 460/245/20000	242 170 134	NONE NONE NONE	6578 8488 8056 7840	36' 10" 30' 0" 10' 0" 242 Sq. Ft.	2-20mm-120 4-.303-150	NONE				
SPITFIRE XXI SUPERMARINE AVIATION NAVAL-FIGHTER	(1) ROLLS ROYCE "GRIFFON-61" 2080/8000 1820/21000	435/26000 268/20000	9.5/20000 37300	1885 2085	1	613/268/20000 558/268/20000 362/268/20000	185 180 144	NONE NONE 500	7173 9850 9740 10005	37' 2" 30' 0" 10' 0" 244 Sq. Ft.	4-20mm-150	1 - 500	NAVALIZED VERSION OF SPITFIRE 65.			
TEMPEST V HAWKER AERO. CO. FIGHTER	(1) NAPIER "SABRE-114" 2180/SL 1830/11500	427/18500 246/15000	5.0/15000 36000	1800 2520	1	1530/246/15000 1780/246/15000 360/246/15000	410 302 158	NONE NONE NONE	9010 11510 10862 10000	43' 0" 33' 6" 14' 0" 308 Sq. Ft.	4-20mm-150	NONE				
WELKIN I WESTLAND AIRCRAFT FIGHTER	(2) ROLLS ROYCE "MERLIN-77" 1710/11000 1475/23250	385/27000 255/30000	12.0/30000 45000	1920 2490	1	- 1570/255/30000 -	- 612 -	NONE NONE NONE	12550 - 19500 -	70' 0" 40' 0" 11' 6" 460 Sq. Ft.	4-20mm-120	NONE				
BEAUFIGHTER II BRISTOL AERO. CO. FIGHTER	(2) BRISTOL "MERCULES VI" 1300/13500 1530/15500	333/15600 243/10000	7.8/15000 27000	1845 2550	2	1480/243/10000 -	650 -	NONE NONE NONE	13930 - 21322 -	57' 10" 41' 6" 15' 6" 451 Sq. Ft.	4-20mm-240 5-.303-1000	NONE				
FIREFLY I FAIREY AVIATION CO. FIGHTER	(1) ROLLS ROYCE "GRIFFON 11" 1755/SL 1380/19000	319/17000 218/10000	9.6/15000 29700	1950 -	2	1364/218/15000 772/218/15000 -	448 230 -	NONE NONE NONE	10290 13513 11400 -	44' 6" 37' 0" 12' 4" 328 Sq. Ft.	2-20mm-150 2-20mm-175	NONE	CARRIER BASED NAVY FIGHTER.			
TYPHOON IB HAWKER AERO. CO. FIGHTER	(1) NAPIER "SABRE 11" 2010/SL 1830/11500	405/18000 254/10000	6.2/15000 34000	2220 2610	1	1000/254/15000 610/254/15000 -	293 185 -	NONE NONE NONE	9800 11400 10500 -	41' 6" 32' 0" 15' 0" 278 Sq. Ft.	4-20mm-140	NONE				
SPITFIRE XXI SUPERMARINE AVIATION FIGHTER	(1) ROLLS ROYCE "GRIFFON 61" 1940/SL 1780/21000	454/26000 250/20000	8.0/20000 43000	1875 2490	1	880/250/20000 490/250/20000 -	252 144 -	NONE NONE NONE	7873 9186 8530 -	37' 1" 32' 6" 10' 0" 244 Sq. Ft.	4-20mm-150	NONE				
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**QUARTERLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE**

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DATE: 1 April 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SERV. CEIL.	T.O. & LANDING	CREW	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO./CAL.-POS. EA.	BOMBS NO & SIZE	REMARKS	
						MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS	NONE POUNDS MAX. LB.					EMPTY ALT. LB. POUNDS ALT. LB.
FIGHTERS													
SEAFIRE III SUPERMARINE AVIATION FIGHTER	(1) ROLLS ROYCE "MERLIN-55M" 1585/2750	341/5000 172/5000	2.0/5000 32200	330*	1	778/172/5000 513/172/6000	156 102	NONE NONE NONE	8204 7640 8784	38' 10" 30' 0" 10' 0" 242 Sq. Ft.	2-20mm-120 4-303-350	NONE	NAVALIZED VERSION OF SPITFIRE. CARRIER BASED. WITH DOGT. WIN.
FIREBRAND T.F. III BLACKBURN AIRCRAFT TORPEDO & FIGHTER	(1) BRISTOL "CENTAURUS-175M" 2035/3000 2810/14000	362/15000 198/10000	3.7/10000 33400	1320 1710	1	1610/173/10000 1010/173/10000 942/173/10000	503 287 203	NONE NONE 760	11480 16073 14553 15181	55' 4" 37' 7" 12' 10" 383 Sq. Ft.	4-20mm-150	8 - 95	(1) SPAN WITH WINGS FOLDED IS 137ft.
MOSQUITO-MK 40 DE HAVILLAND AIRCR. FIGHTER BOMBER	(2) PACKARD "MERLIN-31 or 33" 1460/6250 1435/11000	378/14000 255/15000	9.5/15000 33000	2490 2670	2	1855/255/15000 1850/255/15000 1270/255/15000	736 660 540	NONE 1000 2000	14344 - - 22258	54' 2" 40' 6" 12' 6" 454 Sq. Ft.	4-303-500 4-20mm-150	BOMB BAY 1000 LB. WINGS-EXT. 1000 LB.	(1) HIGH SPEED AFTER SHORPP. INC WING BOMBS.
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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFG. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SEPN. CEIL.	T.G. & LANDING	CREW	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. / POS. EA.	BOMBS NO & SIZE	REMARKS	
						MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS					NONE POUNDS MAX. LB.
BOMBERS												
BUCKINGHAM BRISTOL AERO. CO. BOMBER	(2) BRISTOL "CENTAURUS VII" 2520/1000 2220/11000	345/11250 235/20000	18.9/20000 25500	3600 3000	4	3100/235/20000 2200/235/20000 1830/308/2000	1760 1280 1280	NONE 2000 4000	23900 39000 32250	71' 10" 48' 6" 18' 6" 710 Sq. Ft.	2-303-700 8-303-1000	2-2500
HALIFAX VI HANDLEY PAGE BOMBER	(4) BRISTOL "HERCULES 100" 1800/10000 1530/20000	312/22000 210/20000	31.0/20000 23500	3000 3000	5	2970/210/20000 2190/210/20000 870/210/20000	3458* 2830 1208	NONE 4500 13000	38900 65000 65000	104' 0" 70' 2" 20' 9" 1290 Sq. Ft.	1-303-300 4-303-1160 4-303-1700 RESERVE AMMO. 4800 RDS.	13000 LB. (MAX.)
LINCOLN A.V. ROE & CO. BOMBER	(4) ROLLS ROYCE "MERLIN 100" 1850/8250 1690/18500	337/21750 220/20000	24.5/20000 28200	3150 3000	7	3090/220/20000 1500/220/20000	3540 3540 1888	NONE 4150 14000	43400 75000 75000	120' 0" 76' 1" 19' 6" 1408 Sq. Ft.	1-50-500 2-50-300 2-50-1000 2-20mm-400	14000 LB. (MAX.)
MOSQUITO MK XVI DE HAVILLAND AIRCR. BOMBER (UNARMED)	(2) ROLLS ROYCE "MERLIN 72" 1680/8500 1480/21000	408/26000 245/15000	7.8/15000 37000	2670 2600	2	1485/245/15000 1370/245/15000	788 643 800	NONE 3000 5000	14535 - 23000	54' 2" 44' 6" 12' 6" 454 Sq. Ft.	NONE	80MM BAY 4000 LB. WINGS-EXT. 2 x 500
LANCASTER III A.V. ROE & CO. BOMBER	(4) PACKARD "MERLIN 28" 1280/5L 1120/18250	270/15000 210/15000	19.3/11000 21500	4200* 2700*	7	2230/210/15000 1180/210/15000	3540 2580 1440	NONE 7000 14000	41000 53000 65000 65000	102' 0" 68' 11" 19' 6" 1237 Sq. Ft.	4-303-1000 4-303-2500 RESERVE AMMO 4000 RDS.	14000 LB. (MAX.)
STIRLING III SHORT BROS. BOMBER	(4) BRISTOL "HERCULES VI" 1810/8L 1530/15000	285/15500 200/10000	25.4/15000 22700	4200 3300	7	2450/200/10000 2015/200/10000 880/200/10000	3230 2706 1314	NONE 5000 14000	43545 70000 -	99' 0" 87' 0" 22' 9" 1460 Sq. Ft.	10-303-1000	14000 LB. (MAX.)
BARRACUDA V FAIRY AVIATION CO. TORPEDO BOMBER	(1) ROLLS ROYCE "GRIFFON VI" 1890/1250 1675/10500	254/12500 174/5000	4.3/5000 25000	2150 2535	2	700/148/5000 638/152/5000 445/154/5000	278 278 187	NONE 1672 2000	9850 12230 14550 13840	49' 3" 39' 10" 12' 4" 414 Sq. Ft.	2-303-500	1972 TORPEDO 4-500 6-250 4-250 28 ROCKETS, FLARES
SUNDERLAND III SHORT BROS. PATROL BOMBER	(4) BRISTOL "PEGASUS 18" 1065/1250	212/1500 143/5000	9.0/5000 17200	6600	6	3120/143/5000 1968/143/5000	3057 2233	NONE 4000	41250 49900 50000	112' 10" 85' 4" 28' 1" 1687 Sq. Ft.	1-303-700 6-303-1000 RESERVE AMMO. 2000 RDS.	4000 LB. (NORMAL)
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AIRPLANE CHARACTERISTICS & PERFORMANCE

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DATE: 1 April 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SEPA. CEIL.	T.O. & LANDING	CREW	RANGE with FUEL with BOMBS		WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. ROS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS	NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.				
TRANSPORT													
YORK A.V. ROE & CO. TRANSPORT	(4) ROLLS ROYCE "MERLIN XX" 1230/11250 1120/18250	290/20000 190/10000	12.5/10000 22500	3150 2550	5	3020/190/10000 2438/190/10000	2974 2436	8 PASSENGERS 24 PASSENGERS	36000 63000	102' 0" 78' 6" 17' 8" 1300 Sq. Ft.	NONE	NONE	
YORK II A.V. ROE & CO. CARX-TRANSPORT	(4) BRISTOL "HERCULES VI" 1670/5000 1450/12000	287/15000 189/10000	10.9/10000 20500	2820 3500	4	2550/186/10000 1000/186/10000	2974 1350	5280 CARGO 15000 CARGO	39450 65000	102' 0" 78' 6" 17' 8" 1300 Sq. Ft.	NONE	NONE	
NARWICK III VICKERS AVIATION CARX-TRANSPORT	(2) PRATT & WHITNEY "R-2800" 1500/14000	273/14700 180/10000	14.8/10000 19500	2700	4	2100/180/10000 1690/180/10000	1476 1212	6710 CARGO 8300 CARGO	29000 45000 43000	98' 8" 70' 6" 18' 6" 1006 Sq. Ft.	NONE	8000 LB. CARGO (NORMAL)	RANGE AND LOADS AS CARGO CARRIER.
HALIFAX "B" HANDLEY PAGE TRANSPORT	(4) BRISTOL "HERCULES 100" 1800/10000 1630/20000	324/22000 185/10000	10.0/10000 24500	3000 3300	5	2470/185/10000 1710/185/10000	2628 1890	7600 CARGO 12000 CARGO	37950 55000 55000	104' 0" 70' 2" 20' 9" 1280 Sq. Ft.	NONE	12000 LB. CARGO (MAX.)	
SPITFIRE XIV PR SUPERMARINE AVIAT. PHOTO. RECON.	(1) ROLLS ROYCE "GRIFFON 55" 2050/8000 1780/21070	456/26000 290/35000	15.5/35000 43000	2040 2100	1	1850/290/35000 1260/290/35000	416 308	NONE NONE NONE	5547 9000 8352	40' 3" 30' 0" 10' 0" 249 Sq. Ft.	NONE	NONE	UNARMED. HIGH ALTITUDE PHOTOGRAPHIC MODEL.
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AIRPLANE CHARACTERISTICS & PERFORMANCE

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DATE: 1 April 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SEPR. CEIL.	T.O. & LANDING CREW	RANGE with FUEL with BCMBs at WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. RDS. EA.	BOMBS NO & SIZE	REMARKS
					MAX. MILES MILES	MAX. GAL. GALLONS GALLONS				
FIGHTERS										
HE 219 HEINKEL FIGHTER	(2) DAIMLER-BENZ "DB 603" 1750/ SL 1880/18000	400/22000	- 32800	- 2	1545/ - / -	- 895	- 26100 27300	60' 8" 51' 0" 14' 5" 478 Sq. Ft.	6-20mm- or 4-20mm- 2-30mm-	MAY USE JET UNITS, BOOSTING SPEED TO 450 MPH.
FW-190A FOCKE-WULF FIGHTER	(1) BAYERISCHE "BMW-801D" 1895/ SL 1530/20000	385/19000 220/18000	6.5/18000 36000	1800 3000	1250/220/18000 525/220/18000	374 162	NONE NONE NONE 6240 8600 10350	34' 8" 28' 5" 11' 8" 197 Sq. Ft.	2-13mm- 4-20mm- MAY CARRY 2-20mm-140 ON WING RACKS	2200 LB. LOW & MEDIUM ALTITUDE DAY FIGHTER
ME-109G MESSERSCHMITT FIGHTER	(1) DAIMLER-BENZ "DB-605B-1" 1480/ SL 1340/18700	400/22000 200/18000	6.0/19000 38500	1500 2400	1045/205/18000 615/205/18000	188 106	NONE NONE NONE 4983 5820 7230	32' 8" 29' 11" 10' 8" 172 Sq. Ft.	2-13mm- 1-30mm-75 MAY CARRY 2-20mm-140 ON WING RACKS	550 LB. ALL AROUND DAY FIGHTER AND FIGHTER- BOMBER
ME-110G MESSERSCHMITT NIGHT FIGHTER	(2) DAIMLER-BENZ "DB-605B" 1480/ SL 1340/18700	368/19000 305/15000	7.3/18000 34800	- 2	1700/205/18000 905/205/18000	813 337	NONE NONE NONE 9900 18000 20700	53' 11" 40' 4" 11' 8" 415 Sq. Ft.	4-7.9-1000 2/4-20mm-240 1/2-7.9mm- or 1-20mm-	4000 LB. USED PRIM- CIPALLY AS A NIGHT FIGHTER.
ME-183 MESSERSCHMITT JET-INTERCEPTER	(1) WALTERS "TYPE R" LIQUID ROCKET UNIT 3000# MAX. THRUST	500 TO 500	10000' F.P.M. # 40000'	APPROX. 3000 FT. RUNWAY NEEDED	ENDURANCE 8 TO 12 MIN. WITH FULL POWER; APPROX. 1 HR. WITH INTER- MITTENT POWER.	- 748	NONE NONE NONE - 11500 -	30' 3" 19' 8" - 188 Sq. Ft.	2-20mm-	NONE ALL DATA ESTIMATED
ME-262 MESSERSCHMITT JET-INTERCEPTER	(2) JUNKERS "JUMO-004" TURBO JET UNITS 1970# THRUST EA.	500 TO 550 # 29000'	5.0/32800	APPROX. 10000 FT. RUNWAY NEEDED.	- 440/450/ -	- 587	NONE NONE NONE - 10000 -	41' 0" 35' 5" - 228 Sq. Ft.	3-20mm- 2/4-30mm-	2200 LB. ALL DATA ESTIMATED
ME-410 MESSERSCHMITT FIGHTER-BOMBER	(2) DAIMLER-BENZ "DB-603A-2" 1750/ SL 1680/18000	395/22000 255/19000	11.5/19000 30000	- 2	2130/250/19000 1190/255/19000	1192 610	NONE 1100 - 18000 24000 26000	53' 7" 40' 11" 18' 0" 400 Sq. Ft.	2-7.9mm-1000 2-13mm-500 2/4-20mm-500 MAY CARRY EXTRA 20mm.	2850 LB. ALSO USED FOR RECON. & PHOTO. MISSIONS.
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AIRPLANE CHARACTERISTICS & PERFORMANCE

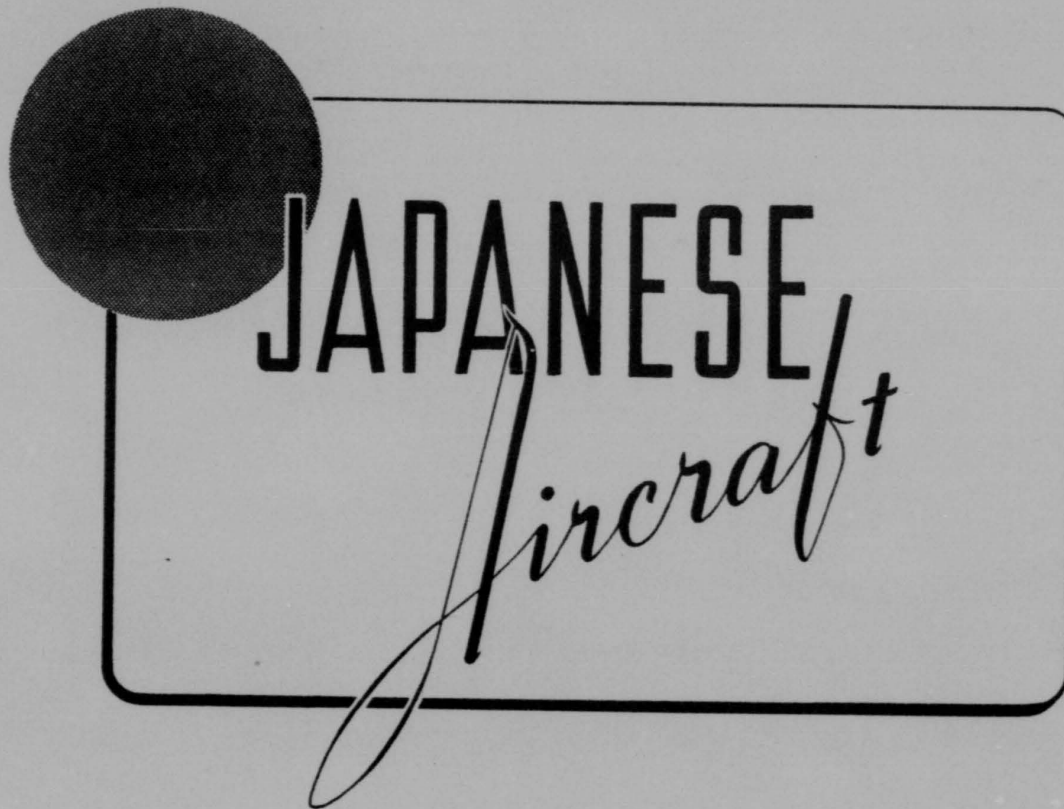
DATE: 1 April 1948

AIRPLANE MODEL MANUFACTURED TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SERV. CEIL.	T.O. & LANDING	CREW	RANGE with		FUEL with		BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. RODS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES	(MILES/HRS) ALT.	MAX. GAL. GALLONS	(LBS./GAL.)	NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.				
BOMBERS															
DO-217E DORNIER MEDIUM BOMBER	(2) BAYERISCHE "BMW-801A-2" 1495/17750	305/18000 210/15000	15.8/15000 21500	- -	4	2445/210/15000 1170/210/15000	- -	1657 783	- -	NONE 4400 6600	22000 - 32000 34200	62' 5" 56' 6" 12' 6" 610 Sq. Ft.	2/4-7.9mm- 5-13mm- 1-15mm-250	6800 LB.	MAV OPERATIONAL DORNIER MEDIUM
DO-217M-1 DORNIER MEDIUM BOMBER	(2) DAIMLER-BENZ "DB-603A-2" 1750/SL 1700/19000	350/22000 240/18000	- 24000	- -	4	- 1000/240/18000	- -	- 783	- -	NONE 4400 -	- - 34000	62' 5" 56' 6" 12' 6" 610 Sq. Ft.	2/4-7.9mm- 1-13mm-500 3-13mm- 1-15mm-250 1-20mm-	6800 LB.	LATEST IN DORNIER SERIES OF MEDIUM BOMBERS.
HE-177 HEINKEL HEAVY BOMBER	(2) DAIMLER-BENZ "DB-610" 2800/17000	305/20000 210/17000	29.0/17000 32000	- -	7	3580/210/17000 580/210/17000	- -	3696 1373 720	- -	NONE - 22000	43000 - 68000 72500	103' 6" 67' 5" 21' 11" 1095 Sq. Ft.	9-13mm- 3-20mm-	11000 WGR. 22000 MAX.	ACTUALLY 4 ENGINES IN "W" VARIABLES.
JU-88S-1 JUNKERS MEDIUM BOMBER	(2) BAYERISCHE "BMW-801G-2" 1695/SL 1530/20000	370/26000 212/18000	16.5/18000 30000	- -	3	1920/213/18000 700/212/18000	- -	1012 446	- -	NONE 1980 -	16000 - 26400 29000	65' 11" 47' 0" 16' 8" 590 Sq. Ft.	1-7.9mm- 1-13mm-250 PLUS UNKNOWN ADDITIONAL GUNS	4400 LB.	FITTED WITH SH-1 BOOST SYSTEM.
JU-188 JUNKERS MEDIUM BOMBER	(2) JUNKERS "JUMO-213A" 1700/22000	325/20000 254/ -	18.0/18000 33000	- -	4	1500/232/SL 1200/232/SL	- -	952 771	- -	NONE 4400 6800	- -	72' 6" 49' 0" 16' 8" 600 Sq. Ft.	2-7.9mm- 2-13mm- 2-20mm-	8800 LB.	SUPERSEDED JUMBO SERIES.
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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April 1945

AIRPLANE MODEL MANUFACTURED TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SERV. CEIL.	T.O. & LANDING	CREW	RANGE with		FUEL with		BOMBS NONE POUNDS MAX. LB.	WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. RDS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES	MAX. CAL. GALLONS	MAX. CAL. GALLONS	EMPTY ALT. LB. POUNDS ALT. LB.							
FIGHTERS																
FRANK I NAKAJIMA FIGHTER	(1) NAKAJIMA "RX 45" 1970/ SL 1675/19600	422/21000 176/10000	5.8/20000 39000	- -	1	1755/156/1500 1125/176/1500	359 185	NONE NONE NONE	- 7940 9194	- -	37' 1" 32' 4" 11' 2" 226 Sq. Ft.	2-12.7mm-250 2-20mm-100	NONE			PERFORMANCE SUBJECT TO REVISION
JACK II MITSUBISHI FIGHTER	(4) MITSUBISHI "KASEI 23" 1870/ SL 1940/ 4400*	407/17400 159/12000	5.5/20000 27500	- -	1	1327/155/1500 550/165/1500	225 156	NONE NONE NONE	5178 7080 8045	- -	35' 5" 31' 9" 12' 11" 216 Sq. Ft.	2-7.7mm- or 2-13mm - 4-20mm-100	2 x 130 (EXTERNAL)			(1) MAX EMERGENCY POWER
GEORGE II KAWANISHI FIGHTER	(1) NAKAJIMA "NOMARS 21" 1970/ SL 1830/16500	407/19600 287/10500	2.6/10000 39400	- -	1	1085/167/ - 670/169/ -	213 125	NONE NONE NONE	5962 - 7717 8390	- -	39' 5" 29' 5" 13' 4" 253 Sq. Ft.	2-7.7mm- - - 4-20mm -	2 x 130 (EXTERNAL)			
TOJO 2 (TYPE 2) NAKAJIMA FIGHTER	(1) NAKAJIMA "TYPE 2" 1500/ SL 1300/17200	379/17200 174/ 9500	5.5/20000 36500	- -	1	1050/166/1500 740/174/1500	197 126	NONE NONE NONE	4300 6610 6100	- -	31' 0" 29' 2" - 169 Sq. Ft.	2-7.7mm-500 - - 4-12.7mm-250	NONE			NONE FIGHTER ENCOUNTERED IN C.B.I. THEATER
TONY I KAWASAKI FIGHTER	(1) KAWASAKI "TYPE 2" 1150/ SL 1100/12600	361/15800 156/10000	4.0/10000 35100	- -	1	2010/148/1500 1520/156/1500	299 199	NONE NONE NONE	5010 - 5982 7682	- -	39' 4" 30' 0" - 215 Sq. Ft.	2-12.7mm- or 4-12.7mm- 2-20mm-	2 x 220 (EXTERNAL)			ARMY, IN-LINE ENGINE FIGHTER
NICK I (TYPE 2) KAWASAKI FIGHTER	(2) MITSUBISHI "TYPE 1" 1055/ SL 1135/ 8500	345/21100 152/ 5000	4.0/10000 35100	- -	2	1405/152/1500 1125/203/1500	353 363	NONE NONE NONE	8335 - 12213 -	- -	49' 5" 34' 8" - 365 Sq. Ft.	1-7.9mm- 1-20mm - 1-37mm -	-			TWIN ENGINE ARMY FIGHTER
IRVING II NAKAJIMA NIGHT FIGHTER	(2) NAKAJIMA "SAKAE 21" 1115/ SL 1085/ 9550	333/19700 188/ 1500	5.5/10000 32740	- -	2	1985/145/1500 1560/150/1500	568 492	NONE NONE NONE	10700 - 16600 17544	- -	55' 8" 39' 11" 15' 0" 430 Sq. Ft.	5-20mm-100	1100 LB.			ALSO USED FOR REC- ONNAISSANCE
FRANCES 12 NAKAJIMA NIGHT FIGHTER	(2) MITSUBISHI "KOSEI 25" 1885/ SL 1735/16800	354/20050 207/ 1500	5.1/10000 35600	- -	3	2935/159/1500 2385/159/1500	1274 998	NONE NONE NONE	17950 - 23940 25835	- -	55' 7" 49' 3" 17' 5" 592 Sq. Ft.	4-20mm- 100 - 1-30mm- 42	NONE			REAR IN- STALLED FOR NIGHT FIGHTING
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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFG. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SERV. CEIL.	T.G. & LANDING	CREW	RANGE with FUEL with BOMBS		WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. POS. EAL	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS	NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.				
BOMBERS													
JUDY 12 AICHI DIVE BOMBER	(1) AICHI "ATSUTA 31" 1380/ SL 1320/17700	361/19700 147/10000	4.3/10000 32400	- -	2	2110/147/1500 1580/157/1500	411 275	NONE 550	5420 8610 8985	37' 9" 33' 7" 254 Sq. Ft.	3-7mm-	500 LB.	NO APPARENT ARMOR OR SELF SEALING TANKS.
LILY 2 (TYPE 99) KAWASAKI LIGHT BOMBER	(2) KAWASAKI "TYPE 2" 1105/ SL 1165/ 8000	313/19900 138/ 1500	4.6/10000 34300	- -	5	*1700/139/1500 1505/138/1500 1505/138/1500	518 445 445	NONE 880 880	9790 - 14730 14730	57' 4" 42' 1" 452 Sq. Ft.	1-7.9mm-500 1-7.9mm-500 2-7.9mm-550	880 LB. (MAX. LOAD)	RECENTLY FOUND WITH OVERPAKE AND INCREASED ARMOR AND ARMAMENT.
LIZ 11 (TYPE 2) NAKAJIMA BOMBER & TRANSPORT	(4) NAKAJIMA "HAMORU 12" 1850/ SL 1580/16100	270/16100 168/ 1500	9.1/10000 29100	- -	-	*3100/129/1500 2540/166/1500 2540/166/1500	3500 3500 3500	NONE 7250 7250	60000 67750 75000 75000	138' 3" 101' 8" 2230 Sq. Ft.	-	7250 LB. (MAX. LOAD)	NOW BEING USED AS A TRANSPORT.
SALLY 2 MITSUBISHI MEDIUM BOMBER	(2) MITSUBISHI "TYPE 100" 1490/ SL 1580/ 7500	294/15400 176/ 1500	5.8/10000 30500	- -	4 to 7	*2000/132/1500 1635/133/1500	822 691	NONE 2200	- 23500	74' 7" 53' 0" 768 Sq. Ft.	5-7.9mm-500 1-12.7mm-500	2200 LB.	
BETTY 22 NAKAJIMA MEDIUM BOMBER	(2) MITSUBISHI "KASEI 21" 1825/ SL 1880/ 4400	331/16700 204/ 1500	7.5/10000 30800	- -	5 to 7	3290/153/1500 2790/163/1500	1715 1499	NONE 2200	17400 - 31980 33080	82' 0" 84' 6" 830 Sq. Ft.	2-7.7mm-500 1-20mm- 150 3-20mm- 90	2200 LB.	SIDE BLINDERS REPLACED BY GUN PORTS.
MYRT 11 NAKAJIMA PHOTO-RECON.	(1) NAKAJIMA "HOMARS 21" 1970/ SL 2050/ 2500	403/22100 173/11500	3.3/10000 36100	- -	3	2575/173/1500 1770/173/1500	550 358	NONE NONE 1760	6340 - 9920 11580	41' 0" 36' 6" 12' 11" 274 Sq. Ft.	-	1-1760 (TORPEDO)	
DINAH 3 (TYPE 100) MITSUBISHI RECONNAISSANCE	(2) MITSUBISHI "Ma 112" 1580/ SL 1340/17000	407/19300 157/10000	3.1/10000 38900	- -	2	1915/158/1500 1495/219/1500	489 489	NONE NONE NONE	8215 - 12405	48' 4" 38' 3" 352 Sq. Ft.	USUALLY NONE	NONE	
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