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QUARTERLY CHART

Airplane Characteristics and Performance of

FOREIGN AIRCRAFT

MICROFILMED

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Foreword

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THIS REPORT SUPERSEDES PREVIOUS EE-306-3 PUBLICATIONS; SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN PARAGRAPH 23, A.R. 380-5.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.	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.
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.	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.
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.	ARMAMENT:	Typical gun installations showing number of guns, caliber and rounds of ammunition per gun.
TAKE-OFF & LANDING:	AVERAGE TAKE-OFF & LANDING RUN: Clearance over 50 ft. obstacle shown for British aircraft - others unknown.	BOMBS:	Number and size or bomb load total shown.
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.	REMARKS:	Miscellaneous features of aircraft.

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BRITISH		QUARTERLY CHART										PAGE 1				
AIRPLANE CHARACTERISTICS & PERFORMANCE												DATE: 1 JULY 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	(MILES/MPH/ALT.)	MAX. GAL. GALLONS GALLONS	(GAL./CAL.)	NONE POUNDS MAX. LB.	NONE POUNDS MAX. LB.					
FIGHTERS																
MODEL S 28/43 FAIREY AVIATION CO. FIGHTER	(1) BRISTOL "CENTAURUS-175H" 2585/3000 2310/14000	367/16000 206/10000	4.0/10000 32400	1290 1580	1	1510/206/10000 950/206/10000 575/206/10000	504 288 204	NONE NONE 760	10940 15080 13670 14110	34' 8" 39' 6" 15' 10" 346 Sq. Ft.	2-.50-190	8 - 95	(1) SPAN WITH WINGS FOLDED 25' 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" 2040/8000 1820/21000	435/26000 266/20000	9.5/20000 37300	1885 2085	1	613/266/20000 558/266/20000 362/266/20000	186 180 144	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-11a" 2180/SL 1830/11500	427/18500 246/15000	5.0/15000 36000	1800 2520	1	1530/246/15000 1790/246/15000 360/246/15000	410 302 158	NONE NONE NONE	9010 11510 10852 10000	43' 0" 33' 6" 14' 0" 206 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	512	NONE NONE NONE	12550 - 19500 -	70' 0" 40' 0" 11' 6" 450 Sq. Ft.	4-20mm-120	NONE				
BEAUFIGHTER II BRISTOL AERO. CO. FIGHTER	(2) BRISTOL "HERCULES VI" 1300/13500 1530/15500	333/15600 243/10000	7.8/15000 27000	1845 2550	2	1480/243/10000	660	NONE NONE NONE	13930 - 21322 -	57' 10" 41' 6" 15' 6" 451 Sq. Ft.	4-20mm-240 6-.303-1000	NONE				
FIREFLY I FAIREY AVIATION CO. FIGHTER	(1) ROLLS ROYCE "GRIFFON 11" 1755/SL 1380/19000	319/17000 216/10000	9.6/15000 29700	1950	2	1354/216/15000 772/216/15000	446 230	NONE NONE NONE	10290 13913 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	8.2/15000 34000	2220 2610	1	1000/254/15000 610/254/15000	293 185	NONE NONE NONE	9800 11400 10600	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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BRITISH		QUARTERLY CHART										PAGE 2	
AIRPLANE CHARACTERISTICS & PERFORMANCE												DATE: 1 JULY 1945	
AIRPLANE MODEL MANUFACTURED TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS		CLIMB TIME TO ALT. SEPV. CEIL.	T.O.C. & 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/ALT. CRUISE/ALT.	MAX. MILES MILES MILES				MAX. GAL. GALLONS GALLONS	NONE POUNDS MAX. LB.					
FIGHTERS													
SEAFIRE III SUPERMARINE AVIATION FIGHTER	(1) ROLLS ROYCE "MERLIN-55M" 1585/ 2750	341/ 8000 172/ 5000	2.0/ 5000 32200	330 "	1	778/172/ 5000 513/172/ 8000	156 102	NONE NONE NONE	6204 7640 6784	36' 10" 30' 0" 10' 0" 242 Sq. Ft.	2-20mm-120 4-303-350	NONE	NAVALIZED VERSION OF SPITFIRE CARRIER BASED (a) WITH 20MT. WING
FIREBRAND T.F. III BLACKBURN AIRCRAFT TORPEDO & FIGHTER	(1) BRISTOL "CENTAURUS-175M" 2585/ 3000 2310/14000	362/16000 198/10000	3.7/10000 33400	1320 1710	1	1810/173/10000 1010/173/10000 542/173/10000	503 287 203	NONE NONE 760	11480 16073 14553 15191	51' 4" 37' 7" 12' 10" 383 Sq. Ft.	4-20mm-150	8 - 95	(D) WING WITH WINGS FOLDED 15 1/2"
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 1650/255/15000 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.	(a) HIGH SPEED AFTER DROPPING WING BOMBS.
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AIRPLANE CHARACTERISTICS & PERFORMANCE												
DATE: 1 JULY 1945												
AIRPLANE MODEL	ENGINE MFR.	SPEEDS	CLIMB	T.O. & LANDING	CREW	RANGE	FUEL	BOMBS	WEIGHTS	DIMENSIONS	ARMAMENT	REMARKS
MANUFACTURER	MODEL	MAX/ALT.	TIME TO ALT.	TYPE	MAX. MILES	MAX. MILES	MAX. GAL.	NO. & SIZE	EMPTY	SPAN	NO/CAL. RDS. EA.	
		CRUISE/ALT.			(MILES/HR/ALT.)	(MILES/HR/ALT.)	GALLONS		ALT. LB.	HEIGHT	NO/CAL. RDS. EA.	
										WING AREA		
BUCKINGHAM	BRISTOL AERO. CO.	345/11250	16.9/20000	3600	1760	3100/285/20000	1280	2000	22250	71'10"	2-303-700	2-2000
HALLIFAX VI	BRISTOL	220/11000	285/20000	3000	1280	1850/308/2000	4000	2000	22250	71'10"	2-303-700	2-2000
HANDLEY PAGE	HERCULES 100*	312/22000	31.0/20000	3000	3456*	2970/210/20000	1206	13000	65000	104'0"	1-303-300	
LINCOLN	(4) HOLLIS ROYCE	327/21750	24.5/20000	3150	-	3060/220/20000	3540	14000	75000	120'0"	1-50-500	
A.V. ROE & CO.	"MERLIN 100"	1850/8250	220/20000	3000	-	1500/220/20000	1888	14000	75000	108'5"	2-2000-900	
MOSQUITO MK XVI	(2) HOLLIS ROYCE	408/26000	7.8/15000	2670	788	1485/245/15000	600	5000	23000	54'2"	2-2000-900	
DE HAVILLAND AIRCR.	"MERLIN 72"	1480/8500	245/15000	2600	643	1370/245/15000	600	3000	23000	42'6"	2-2000-900	
LANCASTER III	(4) PACKARD	270/19000	19.3/11000	4200*	3540	2220/210/15000	2580	7000	65000	102'0"	4-303-1000	
A.V. ROE & CO.	"MERLIN 28"	1280/31	210/15000	2700*	1440	1160/210/15000	1440	14000	65000	127'5"	4-303-2500	
STIRLING III	(4) BRISTOL	285/15500	25.4/15000	4200	3230	2450/200/10000	2706	5000	70000	99'0"	10-303-1000	
SHORT BROS.	"HERCULES VI"	1530/15000	200/10000	3300	2706	2015/200/10000	2706	5000	70000	87'0"	10-303-1000	
BARRACUDA V	(1) HOLLIS ROYCE	254/12500	4.3/5000	2150	276	700/148/5000	276	2000	14550	49'3"	2-303-500	
FAIRLEY AVIATION CO.	"GRIFON VI"	1890/1250	174/5000	2535	187	445/154/5000	276	2000	14550	39'10"	2-303-500	
SUNDERLAND III	(4) BRISTOL	1065/1250	212/1500	6500	3057	3120/143/5000	2233	4000	41250	112'10"	1-303-700	
SHORT BROS.	"PEGASUS 18"	143/5000	9.0/5000	17200	-	1988/143/5000	2233	4000	41250	112'10"	1-303-700	
PATROL BOMBER												

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AIRPLANE CHARACTERISTICS & PERFORMANCE												DATE: 1 JULY 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 at		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. RDS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS	EMPTY ALT. LB. POUNDS ALT. LB.	WEIGHTS EMPTY ALT. LB. POUNDS ALT. LB.						
BOMBERS															
BUCKINGHAM BRISTOL AERO. CO. BOMBER	(2) BRISTOL "CENTAURUS VII" 2520/1000 2220/11000	345/11250 235/20000	16.9/20000 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' 5" 710 Sq. Ft.	2-.303-700 8-.303-1000	2-2000			
HALIFAX VI HANDLEY PAGE BOMBER	(4) BRISTOL "HERCULES 100" 1800/10000 1630/20000	312/22000 210/20000	31.0/20000 23500	3000 3000	6	2970/210/20000 2190/210/20000 870/210/20000	3456* 2630 1206	NONE 4500 13000	38900 65000 85000 65000	104' 0" 70' 2" 20' 9" 1280 Sq. Ft.	1-.303-300 4-.303-1160 4-.303-1700 RESERVE AMMO. 4800 RDS.	13000 LB. (MAX.)	(1) 1200 LB. OF EQUIPMENT REMOVED TO CARRY THIS FUEL AT 65000*		
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	- 3060/220/20000 1500/220/20000	- 3540 1888	NONE 4150 14000	43400 - 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.)	DEVELOPMENT OF AVRO LAN- CASTER.		
MOSQUITO MK XVI DE HAVILLAND AIRCR. BOMBER (UNARMED)	(2) ROLLS ROYCE "MERLIN 72" 1880/8500 1460/21000	408/26000 245/15000	7.8/15000 37000	2670 2600	2	- 1485/245/15000 1370/245/15000	788 643 600	NONE 3000 5000	14635 - 23000	54' 2" 44' 6" 12' 6" 454 Sq. Ft.	NONE	BOMB BAY 4000 LB. WINGS-EXT. 2 x 500			
LANCASTER III A.V. ROE & CO. BOMBER	(4) PACKARD "MERLIN 28" 1280/5L 1120/18250	270/19000 210/15000	19.3/11000 21500	4200* 2700*	7	- 2230/210/15000 1160/210/15000	3540 2580 1440	NONE 7000 14000	41000 53000 65000 65000	102' 0" 88' 11" 19' 6" 1297 Sq. Ft.	4-.303-1000 4-.303-2500 RESERVE AMMO. 4000 RDS.	14000 LB. (MAX.)	(1) T.O. DISTANCE AT MAX. WEIGHT (2) LAND. DIS- TANCE AT LIGHT WEIGHT.		
STIRLING III SHORT BROS. BOMBER	(4) BRISTOL "HERCULES VI" 1610/5L 1530/15000	285/15500 200/10000	25.4/15000 22000	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 FAIREY 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 638/162/5000 445/154/5000	276 276 187	NONE 1672 2000	9880 12230 14550 13840	49' 3" 39' 10" 12' 6" 414 Sq. Ft.	2-.303-500	1672 TORPEDO 4-500 6-250 4-250 28 RECON. FLARES	SHORT WING VERSION. MODEL WITH EXTENDED TIPS WAS 54' SPAN AND 446 SQ. FT. WING AREA.		
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)	BOMB LOAD CARRIED INTERNAL & EXTERNAL.		
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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 (MILES/MPH/ALT.)		FUEL (GAL.)		BOMBS		WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. ROS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES	MAX. GAL. GALLONS	MAX. GAL. GALLONS	NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.	MAX. MILES MILES	MAX. GAL. GALLONS	MAX. GAL. GALLONS				
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' 6" 1300 Sq. Ft.	NONE	NONE					
YORK II A.V. ROE & CO. CARGO-TRANSPORT	(4) BRISTOL "HERCULES VI" 1670/ 5000 1450/12000	287/15000 186/10000	10.5/10000 20500	2820 3600	4	2660/186/10000 1000/186/10000	2974 1350	5260 CARGO 15000 CARGO	39450 - 65000	102' 0" 78' 6" 17' 6" 1300 Sq. Ft.	NONE	NONE					
WARWICK III VICKERS AVIATION CARGO-TRANSPORT	(2) PRATT & WHITNEY "A-2800" 1500/14000	273/14700 180/10000	14.8/10000 19500	2700	4	2100/190/10000 1690/180/10000	1476 1212	6710 CARGO 8300 CARGO	29000 45000 43000	96' 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 65000 65000	104' 0" 70' 2" 20' 9" 1280 Sq. Ft.	NONE	12000 LB. CARGO (MAX.)					
SPITFIRE XIV PR SUPERMARINE AVIAT. PHOTO RECONV.	(1) ROLLS ROYCE "GRIFFON 65" 2050/ 8000 1780/21000	456/26000 290/35000	15.5/35000 43000	2040 2100	1	1650/290/35000 1260/290/35000	416 308	NONE NONE NONE	6547 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

DATE: 1 JULY 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 NONE POUNDS MAX. LB.	WEIGHTS		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. NOS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES MILES	(MILES/HR) ALT.	MAX. GAL. GALLONS GALLONS	(LBS./GAL.)		EMPTY ALT. LB. POUNDS ALT. LB.					
FIGHTERS																
HE 219 HEINKEL FIGHTER	(2) DAIMLER-BENZ "DB 603" 1750/ SL 1680/1800	400/22000 -	- 32800	- -	2	- 1545/ - / -	- 595	- -	- -	- -	19900 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" 1695/ SL 1530/20000	385/19000 220/18000	5.5/18000 36000	1800 3000	1	1250/220/18000 525/220/18000	374 162	NONE NONE NONE	- -	6240 8600 10350	34' 6" 29' 5" 11' 6" 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-605A-1" 1440/ SL 1340/18700	400/22000 200/18000	5.0/19000 38500	1500 2400	1	1045/205/18000 615/205/18000	186 106	NONE NONE NONE	- -	4983 - 6820 7230	32' 8" 29' 11" 10' 6" 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" 1460/ 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' 6" 415 Sq. Ft.	4-7.9-1000 2/4-20mm-240 1/2-7.9mm- or 1-20mm-	4000 LB.	-	USED PRIN- CIPALLY AS A NIGHT FIGHTER.	
ME-163 MESSERSCHMITT JET INTERCEPTOR	(1) WALTERS TYPE R LIQUID ROCKET UNIT 3000# MAX. THRUST	500 to 500	10000' FPM # 4000'	APPROX. 3000 FT. RUNWAY NEEDED.	1	ENDURANCE 8 TO 12 MIN. WITH FULL POWER: APPROX. 100 WITH INTERMIT- TENT POWER.	- 748	NONE NONE NONE	- -	- 11500 -	30' 3" 19' 6" -	2-20mm -	NONE	-	ALL DATA ESTIMATED	
ME-262A-1 MESSERSCHMITT JET INTERCEPTOR	(2) JUNKERS JUMO 004 TURBO JET UNITS 2000# THRUST EA.	550/30000 540/20000 450/ -	5.0/32800 46000	3300 3300	1	775/515/20000 550/500/20000	745 585 585	NONE NONE NONE	- -	12600 11648 12100	41' 0" 34' 9" 11' 4" 225 Sq. Ft.	2-30mm- 80 2-30mm-100	2 x 550 LB. 2200 MAX.	-	-	
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 NONE -	- -	18000 - 24000 28000	53' 7" 40' 11" 14' 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 JULY 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SEPN. 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. LOS. EA.	BOMBS NO & SIZE	REMARKS
					MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS	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 6800	22000 32000 34200	62' 5" 56' 6" 12' 6"	2/4-7.9mm- 5-13mm- 1-15mm-250	8600 LB.	MAIN OPERATIONAL DORNIER BOMBERS.			
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"	2/4-7.9mm- 1-13mm-500 3-13mm- 1-15mm-250	8600 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	3560/210/17000 580/210/17000	3696 1373 720	NONE - 22000	43000 - 68000 72500	103' 6" 97' 5" 21' 11"	9-13mm- 3-20mm-	11000 NDR. 22000' MAX.	ACTUALLY 4 ENGINES IN TWO WINGCELLS.			
JU-88S-1 JUNKERS MEDIUM BOMBER	(2) BAYERISCHE "BMW-801G-2" 1695/ SL 1530/20000	370/26000 212/18000	16.5/18000 30000	- 3	1620/213/18000 700/212/18000	1012 446	NONE 1980	18000 - 26400 29000	65' 11" 47' 0" 16' 8"	1-7.9mm- 1-13mm-250 PLUS UNKNOWN ADDITIONAL GUNS	4400 LB.	FITTED WITH BMW BOOST SYSTEM.			
JU-188 JUNKERS MEDIUM BOMBER	(2) JUNKERS "JUMO-213A" 1700/22000	325/20000 254/ -	13.0/18000 33000	- 4	1500/232/ SL 1200/232/ SL	952 771	NONE 4400 8800	- - -	72' 6" 49' 0" 16' 8" 600 Sq. Ft.	2-7.9mm- 2-13mm- 2-20mm-	8800 LB.	SUPERSEDING JU-88 SERIES.			

PILOTLESS BOMBS

TYPE	ENGINE	DIMENSIONS	WEIGHTS	FUEL	SPEEDS	ALTITUDE	RANGE
Long Range Rocket A-4 (Y-2)	Rocket Venturi 85,500 lb. thrust for 65 seconds	SPAN - None Length - 45' - 10" Body Diam. - 5' - 8"	T.O. Weight 29400 lbs. (Warhead weights 2150 lbs.)	Alcohol and liquid oxygen 16,700 lbs. Total Fuel	* 5100 ft. per sec. (3500 m.p.h.)	60-70 miles	Max. - 220 miles
Flying Bomb Type F20-78 (Y-1)	Impulse Duct Engine 550 lb. thrust e 400 600 lbs. Thrust e 180	SPAN - 17' - 0" Length - 21' - 5" Diam. - 2' - 8" Wg. Area - 60 Sq. Ft.	T.O. Weight 5,200 lbs. (Warhead weights 2450 lbs.)	Gasoline 190 gal. capacity	390 m.p.h. e 2,000 ft.	2,000 ft.	Max. - 150 miles

NOTES * Speed at impact approx. 2500 ft. per. sec. (1700 m.p.h.)

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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		DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO./CAL. RDS. EA.	BOMBS NO & SIZE	REMARKS
					MAX. MILES MILES	(MILES/HR/ALT.)	MAX. GAL. GALLONS	(G. R. GAL.)	NONE POUNDS MAX. LG.	EMPTY ALT. LB. POUNDS ALT. LB.				
FIGHTERS														
OSCAR 2 NAKAJIMA ARMY FIGHTER	(1) NAKAJIMA TYPE 2 1105/ S L 1065/ 9200 965/19700 1155/ 8000we	347/20000 we 202/ 1500	3.0/10000 37100	- 1	1745/137/1500 1405/185/1500 1180/145/1500	257 257 149	NONE NONE NONE	NONE NONE NONE	4170 5240 6240 5500	35' 7" 29' 2" 9' 0" 232 Sq. Ft.	2-12.7mm-250 or 2-20mm-150	NONE		
NICK 1 (TYPE 2) KAWASAKI ARMY FIGHTER	(1) MITSUBISHI TYPE 1 1065/ S L 1040/ 9200 1135/ 8500we	354/20600 we 203/ 1500	4.0/10000 35100	- 2	1405/152/1500 1125/203/1500 -	363 363 -	NONE NONE NONE	8335 12213 12213 -	49' 6" 34' 8" - 365 Sq. Ft.	2-12.7mm or 1-37mm 1-7.9mm 1-20mm				
TONY 1 KAWASAKI ARMY FIGHTER	(1) KAWASAKI TYPE 2 1160/ S L 1085/13800 1100/12600we	361/15800 215/ 1500	4.0/10000 35100	- 1	2010/148/1500 1520/156/1500 -	299 199 -	NONE NONE NONE	5010 7682 6982 -	39' 4" 28' 11" - 215 Sq. Ft.	2-12.7mm 2-12.7mm or 2-20mm	2 x 220 (EXTERNAL)			
TOJO 2 (TYPE 2) NAKAJIMA ARMY FIGHTER	(1) NAKAJIMA TYPE 2 1500/ S L we 1420/ 7000 1300/17200 1570/ 5500we	383/17400 we 174/ 9500	2.8/10000 36350	- 1	1650/166/1500 740/174/1500 -	197 128 -	NONE NONE NONE	4300 6610 6100 -	31' 0" 29' 2" - 169 Sq. Ft.	2-7.7mm-500 or 2-12.7mm-250 2-12.7mm-250 or 2-40mm	NONE	ARMY FIGHTER ENCOUNTERED IN CBI THEATER.		
FRANK 1 NAKAJIMA ARMY FIGHTER	(1) NAKAJIMA No 45 1970/ S L 1595/20000 1550/17900we	427/20000 we 254/ 1500	2.6/10000 38800	- 1	1815/173/1500 1025/178/1500 -	359 185 -	NONE NONE -	9184 7940 -	37' 1" 32' 4" 11' 2" 225 Sq. Ft.	2-12.7mm-350 2-20mm-150	NONE			
ROB 1 KAWASAKI ARMY FIGHTER	(2) No 201			1	NO OTHER DATA AVAILABLE									REPORTED TO BE HIGH SPEED FIGHTER. EX- CEPTIONAL HIGH SPEED IS ATTRI- BUTED.
STEVE 1 ARMY FIGHTER	MITSUBISHI No 42 1970/ S L 1665/18400 2040/ 3100 we				NO OTHER DATA AVAILABLE									REPORTED TO BE SUPER HIGH HIGH SPEED FIGHTER. SHOULD BE COMPARABLE TO FRANK 1.
PAT 1 ARMY LONG RANGE FIGHTER					NO OTHER DATA AVAILABLE									
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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 1945

AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SEPV. CEIL.	T.O. & LANDING	CREW	RANGE with FUEL with BCMBs at 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.
FIGHTERS													
ZEKE 52 MITSUBISHI & YAKAJIMA NAVY FIGHTER	(1) NAKAJIMA SAKAE 31A 1120/ S L 830/ 1500 1210/ 8000 we	358/20000 we	3.6/10000	-	1	1844/146/1500 1200/146/1500	248 156	NONE NONE NONE	4236 6600 4026	35' 1" 23' 10" 3' 2" 230 Sq. Ft.	2-7.7mm-700 2-13.2mm - 2-20mm-100 2-20mm-100 & 2-13.2mm -	NONE	
RUFÉ 11 NAKAJIMA NAVY FIGHTER	(1) NAKAJIMA SAKAE 12 925/ S L 725/ 1500 935/13800	273/14700	4.3/10000	-	1	1505/124/1500 530/ 87/ 1500	233 87	NONE NONE	3208 5405 5420	39' 4" 33' 10" - 241 Sq. Ft.	2-7.7mm-500 2-20mm- 80	NONE	
IRVING 11 YAKAJIMA NAVY FIGHTER	(2) NAKAJIMA SAKAE 21 1115/ S L 1045/ 9350 1180/ 7500 we	333/19700	5.5/10000	-	2	1985/145/1500 1560/181/1500	666 492	NONE NONE	10700 17544 16500	55' 8" 59' 11" 15' 0" 430 Sq. Ft.	2-20mm- 100 2-20mm -100	1100 &	
JACK 11 MITSUBISHI NAVY FIGHTER	(1) MITSUBISHI KASEI 23 1870/ S L 1560/17900 1940/ 4400 we	407/17400	5.6/20000	-	1	1127/156/1500 650/165/1500	223 109	NONE NONE	5178 8045 7080	35' 5" 31' 9" 12' 11" 216 Sq. Ft.	4-20mm-100 or 2-7.7mm-550 AND 2-20mm -100	2 x 130 (EXTERNAL)	
FRANCIS 12 NAKAJIMA NAVY FIGHTER	(2) MITSUBISHI KASEI 25 1885/ S L 1520/18050 1735/16800 we	354/20050	5.1/10000	-	3	2935/159/1500 2385/159/1500	1274 998	NONE NONE	17950 25835 23940	65' 7" 49' 3" 17' 5" 392 Sq. Ft.	4-20mm -100 1-30mm - 42	NONE	RADAR INSTALLED FOR NIGHT FIGHTING.
GEORGE 11 KAWANISHI NAVY FIGHTER	(1) NAKAJIMA HOMARE 21 1975/ S L 1875/ 5900 2050/ 2500	408/20000	2.6/10000	-	1	1085/167/1500 670/169/1500	212 125	NONE NONE	5962 8390 7717	39' 5" 29' 5" 13' 4" 253 Sq. Ft.	2-7.7mm - 4-20mm -	2 x 130 (EXTERNAL)	
SAM 11 MITSUBISHI NAVY FIGHTER	(1) NAKAJIMA HOMARE 41 1790/ S L 1500/ 6550	395/19686	6.0/19686	-	1	1440/ - / -	397	NONE	5645 9260 8380	35' 1" 29' 5" -	2-20mm -120 2-13mm -300		LITTLE IS KNOWN OF THIS MODEL. DATA VERY INCOMPLETE.
REX 11 KAWANISHI NAVY FIGHTER	(1) MITSUBISHI KASEI 24 1825/ S L 1655/ 6900 1520/18700	336/18680	6.3/19680	-	1	-	-	-	7962 7700	39' 3" 35' 4" - or 4-7.7mm -	2-7.7mm - 2-20mm -		NOW IN OPERATION.
LUKE 11 MITSUBISHI NAVY FIGHTER	(1) - MK 90 1970/ S L 1380/27500 1740/27900	437/26250	9.7/26250	-	1	575/288/ -	-	-	-	-	1-30mm -100 2-20mm -200		MAY BE USED FOR AIR TO AIR BOMBING.

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DATE: JULY 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., ROS, EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES	MAX. GAL. GALLONS	NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.						
BOMBERS															
SALLY 2 MITSUBISHI ARWY BOMBER	(2) MITSUBISHI TYPE 100 1440/ S L 1360/ 15100 1580/ 7500 we	294/ 15400 we 176/ 1500	5.8/ 10000 30500	- -	4 to 7	2000/ 132/ 1500 # 1635/ 133/ 1500 1350/ 176/ 1500	522 691 691	NONE 2200 2200	- - -	9790 14334 880 14730	74' 7" 53' 0" -	5-7.9mm-600 1-12.7mm-600	2200 MAX.	FUEL TANKS HAVE PARTIAL LAMINATED COVERING.	
LILLY 2 KAWASAKI ARWY BOMBER	(2) KAWASAKI TYPE 2 1105/ S L 1085/ 9200 1155/ 8000	313/ 19900 we 185/ 1500	4.5/ 10000 34300	- -	4 or 5	1800/ 139/ 1500 # 1505/ 139/ 1500 1215/ 185/ 1500	518 445 445	NONE 880 880	9790 14334 880 14730	57' 4" 42' 1" -	3-7.9mm-525 1-12.7mm-700	880 MAX.	HEAVILY ARMOR- ED. FUEL TANK PROTECTION IN- STALLED.		
HELEN 2 NAKAJIMA ARWY BOMBER	(2) NAKAJIMA TYPE 2 1500/ S L 1420/ 7000 1570/ 5000 we	312/ 16900 we 184/ 1500	6.6/ 10000 30930	- -	7	2220/ 145/ 1500 1915/ 184/ 1500 1375/ 184/ 1500	924 924 661	NONE 1550 2200	14730 22822 24400 23523	66' 7" 54' 0" -	3-7.9mm - 2-12.7mm - 1-20mm -	2200 MAX.	OPS AND ARMOR PLATE FOR PILOT ARMOR FOR TAIL GUNNER AND TURBINE GUNNER.		
PEGGY 1 MITSUBISHI ARWY BOMBER	(2) MITSUBISHI HA 42 1890/ S L 1450/ 10400 1985/ 6000 we	348/ 18700 198/ 1500	5.9/ 10000 30250	- -	7	1985/ 159/ 1500 1985/ 159/ 1500 1735/ 198/ 1500	1025 1025 1025	NONE 1763 1763	29137 30900 30900	73' 10" 61' 5" 18' 5" 709 Sq. Ft.	-	2526 MAX.	ARMOR & LP TANKS.		
NOTES: # ESTIMATES															

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AIRPLANE CHARACTERISTICS & PERFORMANCE

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AIRPLANE MODEL MANUFACTURER TYPE	ENGINE MFR. MODEL H.P. RATING/ALT.	SPEEDS MAX/ALT. CRUISE/ALT.	CLIMB TIME TO ALT. SEPV. CEIL.	T.C. & LANDING	CREW	RANGE (MILES/MPH/ALT.)		FUEL (GALLONS/MPH/ALT.)		BOMBS NO/WEIGHT MAX. LB.	DIMENSIONS SPAN LENGTH HEIGHT WING AREA	ARMAMENT NO/CAL. RDS. EA.	BOMBS NO & SIZE	REMARKS
						MAX. MILES MILES	MAX. GAL. GALLONS	EMPTY ALT. LB. POUNDS						
BOMBERS														
JILL 12 NAKAJIMA NAVY TORP. BOMBER	(1) MITSUBISHI KASEI 25 1825/ S L 1655/ 6900 1880/ 4400 we	318/19500 183/ 1500	5.2/10000 33400	- -	3	2175/141/1500 1850/142/1500 1565/183/1500	450 450 450	NONE 1760 1760	6300 10205 12070 12070	49' 0" 36' 1" -	1-7.7mm-400 1-7.7mm-700 1-7.7mm-700	6- 200# or 1-1760# T		
FRANCIS 11 NAKAJIMA NAVY TORP. BOMBER	(1) NAKAJIMA HOMARE 11 1795/ S L 1295/ 9500 1840/ 3020	355/20600 210/ 1500	5.0/10000 35900	- -	3	3600/165/1500 2425/164/1500	1566 998	NONE 1765	14665 28460 26460	55' 7" 49' 2" 17' 5"	1-20mm - 135 1-20mm - 225	2231 MAX.		
JUDY 33 TECHNICAL AIR ARSENAL NAVY DIVE BOMBER	(1) MITSUBISHI KIMSEI 52 1580/ S L 1005/ 1500 1620/ 2800 we	376/18500 211/ 1500	3.8/10000 38300	- -	2	2505/157/1500 1055/161/1500 870/211/1500	435 172 172	550 550 550	5450 9855 8080 8080	37' 9" 33' 7" 10' 5" 254 Sq. Ft.	2-7.7mm-400 1-7.7mm-582	1000 MAX.	JUDY 33 HAS NEITHER PILOT NOR FUEL TANK PROTECTION.	
GRACE 11 AICHI NAVY DIVE OR TORP. BOMBER	(1) NAKAJIMA HOMARE 11 1795/ S L 1625/ 6560 1840/ 3000 we	350/19686 230/13125	7.5/13125 -	- -	2	2070/ - / - -	384 -	- -	6817 11808 10782	47' 6" 37' 6"	2-7.7mm or 2-20mm AND 1-7.7mm	1765 MAX.		
VAL 22 AICHI NAVY DIVE BOMBER	(1) MITSUBISHI KIMSEI 54 1280/ S L 1185/ 9850 1355/ 7700 we	281/20300 168/ 1500	4.5/10000 33600	- -	2	1580/125/1500 965/125/1500 785/167/1500	285 175 175	NONE 550 550	5670 8492 8380 8380	47' 6" 35' 5" 13' 0" 376 Sq. Ft.	2-7.7mm-791 1-7.7mm-1000	550 MAX.		
JUDY 11 AICHI NAVY DIVE BOMBER	(1) AICHI ATSUTA 21 1185/ S L 815/ 1500 1205/ 1400 we	339/19800 197/ 1500	4.7/10000 33100	- -	2	2580/155/1500 1155/155/1500 985/198/1500	435 172 172	550 550 550	5620 9829 8059 8059	37' 10" 33' 7" 10' 5" 254 Sq. Ft.	2-7.7mm-791 1-7.7mm-1000	1103 MAX.		
JUDY 12 AICHI NAVY DIVE BOMBER	(1) AICHI ATSUTA 31 1380/ S L 1320/ 5600 1440/ 5700 we	377/19300 we 215/ 1500	3.6/10000 36400	- -	2	2445/160/1500 2070/206/1500 1080/162/1500	435 435 172	550 550 550	5620 10025 8255 8255	37' 9" 33' 7" 10' 5" 254 Sq. Ft.	3-7.7mm -	1100 MAX.	SAME AS JUDY 11 EXCEPT FOR INCREASED SPEED & CLIMB.	
BETTY 22 NAKAJIMA NAVY BOMBER	(2) MITSUBISHI KASEI 21 1825/ S L 1655/ 6900 1880/ 4400	331/16700 we 204/ 1500	7.5/10000 30800	- -	5 to 7	3290/153/1500 2790/183/1500 2330/204/1500	1715 1499 1499	NONE 2200 2200	17400 31980 33080 33080	82' 0" 64' 5" 64' 5" 830 Sq. Ft.	1-7.7mm-500 1-13mm - 1-20mm - 90 2-7.7mm-500 2-20mm - 90 1-20mm - 90	2200 MAX.	USES RADAR & CARRIES "WINDOW" STRIPS OF ALUM- MINIUM BACKED PAPER FOR RADAR INTERFERENCE.	
LIZ 11 NAKAJIMA NAVY BOMBER	(4) NAKAJIMA NAMORU 12 1850/ S L 1730/ 4600 1580/16100	270/16100 166/ 1500	9.1/10000 29100	- -	- -	3100/129/1500 2540/166/1500	3500 3500	NONE 7250	40000 67750 75000	138' 3" 101' 8" -	-	7250 MAX.	NOW USED AS A TRANSPORT.	

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AIRPLANE CHARACTERISTICS & PERFORMANCE

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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. RDS. EA.	BOMBS NO & SIZE	REMARKS		
						MAX. MILES MILES MILES	MAX. GAL. GALLONS GALLONS					NONE POUNDS MAX. LB.	EMPTY ALT. LB. POUNDS ALT. LB.
RECONN.													
DINAH 2 MITSUBISHI ARMY RECONN.	(2) MITSUBISHI TYPE 1 1055/ S L 1040/ 9200 1135/ 8500 we	372/20500 ^{we} 219/ 1500	3.8/10000 37400	- -	2	1795/158/1500 1405/219/1500	438 438	NONE NONE	8058 11982 11982	48' 4" 36' 3" -	1-7mm - -	NONE -	SPEED & CLIMB ARE FOR MILITARY POWER EXCEPT WHERE INDICATED AS W.F.
DINAH 3 MITSUBISHI ARMY RECONN.	(2) MITSUBISHI HA 112 1580/ S L 1185/19700 1340/17000 we	407/19300 ^{we} 219/ 1500	3.1/10000 37800	- -	2	1915/158/1500 1495/219/1500	499 499	NONE NONE	8215 12405 12405	48' 4" 36' 3" -	1-7mm - (USUALLY NONE)	NONE -	
CLARA 1 TACHIKAWA ARMY RECONN.						NO DATA AVAILABLE							CONSIDERED AS POSSIBLE REPLACEMENT FOR DINAH.
EDNA 1 ARMY RECONN.						NO DATA AVAILABLE							
PETE 11 MITSUBISHI NAVY RECONN.	(1) MITSUBISHI ZUISEI MODEL 23 840/ S L 865/13100 910/11400 we	236/13100 144/ 1500	5.0/10000 30900	- -	2	1025/111/1500 800/109/1500	166 132	NONE 263	4250 5935 6200	36' 0" 31' 0" 15' 0"	3-7mm - -	264 MAX. -	PETE 11 HAS NEITHER BRNCH NOR FUEL TANK PROTECTION.
JAKE 11 WATANABE NAVY RECONN.	(1) MITSUBISHI KINSEI 43 1045/ S L 1065/ 6600	222/ 7600 150/ 1500	5.4/10000 29800	- -	3	1375/119/1500 875/112/1500 710/150/1500	297 179 179	NONE NONE NONE	5820 8820 5820 5820	45' 10" 37' 2" -	1-20mm- 60 1-20mm-280	530 MAX. -	
MYRT 11 NAKAJIMA NAVY RECONN.	(1) NAKAJIMA HOMARE 21 1970/ S L 1657/19700 2050/ 2500 we	396/16600 -	3.8/10000 34100	- -	2 or 3	2640/178/1500 1815/175/1500 1410/243/1500	550 358 358	NONE NONE NONE	6340 11580 9920 9920	41' 1" 36' 6" 12' 11"	1-7.9mm-450	1760 TORP.	THIS PLANE WILL POSSIBLY CARRY ONE 1760 TORPEDO.
PAUL 11 AICHI NAVY RECONN.	(1) MITSUBISHI KINSEI 54 1280/ S L 1085/20400 1355/ 7700	282/21700 164/ 1500	5.2/10000 33500	- -	2	1685/131/1500 1345/132/1500 1195/163/1500	317 264 264	NONE 550 550	5985 9110 9370 9370	42' 0" 35' 7" 15' 7" 302 Sq. Ft.	1-7.9mm - 2-20mm-250	1385 MAX. -	
NORM 11 KIWANISHI NAVY RECONN.	(1) MITSUBISHI KASEI 24 1825/ S L 1520/18050 1880/ 4400	319/19686 207/ -	8.5/16400 -	- -	2	2485/ - / - - -	- - -	- - -	9020 10780 -	45' 9" 37' 7" 16' 3"	1-7.7mm - -	- -	HIGH SPEED RECONN. FLOAT PLANE.

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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. ROS. EA	BOMBS NO & SIZE	REMARKS	
						MAX. MILES MILES	MAX. GAL. GALLONS GALLONS					NONE POUNDS MAX. LB.
MISC.												
CHERRY 11 NAVY FLY. BOAT						NO DATA AVAILABLE						
EMILY 22 KAWANISHI NAVY FLY. BOAT	(4) MITSUBISHI KASEI 22 1825/ 5 L 1555/ 5900 1880/ 4400	296/ 19500 172/ 1500	8.1/ 10000 30500	- -	9	4190/ 138/ 1500 3810/ 116/ 1500 3251/ 171/ 1500	4400 3739 3739	NONE 2120 2120	24176 68342 68932 66932	124' 7" 92' 3" 30' 2" 1722 Sq. Ft.	5-20mm- 4-7.7mm- 4400 MAX.	THIS PLANE HAS THE BEST PROTECTED FUEL SYSTEM AND IS THE MOST HEAVILY ARMED OF ANY JAP ACFT.
NELL 23 NAKAJIMA NAVY TRANSPORT	(2) MITSUBISHI KINSEI 53 1280/ 5 L 1085/ 20300 1355/ 7700	270/ 19600 157/ 1500	5.2/ 10000 34250	- -	4 to 7	2550/ 118/ 1500 2125/ 102/ 1500 1590/ 157/ 1500	956 795 795	NONE 1100 1100	10950 20400 20400 20400	82' 0" 53' 1" - 862 Sq. Ft.	4-7.7mm-300 1-20mm - 60 1760 MAX.	
MAVIS 22 KAWANISHI NAVY TRANSPORT	(4) MITSUBISHI KINSEI 43 1030/ 5 L 910/ 8200 1050/ 6200	217/ 6200 145/ 1500	9.9/ 10000 24680	- -	8 to 10	3380/ 112/ 1500 3300/ 109/ 1500 2740/ 144/ 1500	3330 2745 2745	NONE 3520 3520	25600 50700 50700 50700	131' 4" 82' 0" 20' 6" 1830 Sq. Ft.	4-20mm - 1-7.7mm - 3520 MAX.	THIS PLANE IS RAPIDLY BE- COMING OBSOLETE.

NOTES:

CONFIDENTIAL