

SPeCification and Performance

of Service AirPlanes of the I.J.N

1945. 9. 10

Classification	Item	Mark	Adapted on	TYPE	Crew	Dimensions			Weight			Wing Loading (kg/m²)	Power Loading (hp/m²)	Fuel Capacity (l)				Propeller			Power unit				Military Equipment			Performance																					
						Span (m)	Length (m)	Height (m)	Wing Area (m²)	Weight Empty (kg)	Normal Load (kg)			Over Load (kg)	Main Tank	Removable Tank	Total	Oil	Water & Mechanical	Type & No. of Blade	Diameter (m)	Pitch	Name	Power (HP)		Y. P. M.	Red. Ratio	Fuel used (gct/No)	Gun (Fixed)		Bomb	Communication	Speed (mi)		Climb		Range		Duration		Take off								
																								Rated	Take off				Rated	Take off			Position x Cal. No x Bullet No	Position x weight x No	max	Land-ing	Time to Alt	Service Ceiling	Condition	Load Condition	Mach. weight (lb)	Fuel (lb)	Range (mi)	Duration (hr)	Crossing Altitude	Fuel Consumption (gph)	Time (min)	Distance (mi)	
Carrier Based Fighter	00-21	A6M2	43-1	Single engine Low wing	1	1200	9.06	2.92	2243	1680	2336	2796	105	2.5	551	330	881	675	Hamilton	3	29	25-45	Ha 35"-13x1 (Sakae - 12)	950 4,200	940	2500	2550	0.6875	91	in wing 20" x 2 x 100 shots x 2 in fuselage 7.7" x 2 x 450 x 2	wing underside 30x2 or Fuselage under side 250x1	Radio (telephone) x 1 Homing device x 1	275 5,000	60	5'-50" 5,000	10,300	Normal over Load 1 O. L. II O. L. III	Fuel full Load Aux Tank (330 gal) 60" x 1	2420 2,518 2,792 2,644	418 551 881 551	1,012 1,330 1,680 1,330	5.61 7.40 9.33 7.40	170 180 170	745 745 745	124	194			
	00-52c	A6M5c	44-10	ditto	1	1100	9.087	2.986	2126	1873	2686	2952 3,376	126.5	2.75	578	330	908	52	Hamilton	3	30.5	24-47	Ha 35"-21x1 (Sakae - 21)	1,100 2,850	980	6,000	1,130	2,700	2,750	0.5833	91	in wing 20" x 2 x 100 shots x 2 in fuselage 13" x 2 x 240 x 2 13" x 1 x 230 x 1 (Starboard)	wing under side 60x2 or Fuselage under side 60x1	ditto	302 6,000	68.5	5'-40" 5,000	11,050	Normal over Load 1 O. L. I O. L. II O. L. III	Fuel full Load Aux Tank (330 gal) 60" x 1 250" x 1,200" x 2	2,952 2,952 2,812 3,376	905.5 881 577.5 977	1,796 1,796 1,411 1,527	8.99 8.99 5.71 8.97	7.00 4.80 1.70	707 707 109	257		
	00-54	A6M8		ditto	1	1100	9.237	2.986	2126	~	3300	~	155	2.64	510	300	810	63	80	Hamilton	3	30.5	24-49	Ha 33"-62x1 (Kinsei - 62)	1,350 2,000	1,250	6,000	1,500	2,600	2,600	0.633	91	in wing 20" x 2 x 120 shots x 2 ditto 13" x 2 x 120 x 2	Fuselage under side 250x1 or wing under side 60x1 or 30x4	Radio (telephone) x 1	319 6,000	74.5	6'-50" 6,000		Normal		3,300			200 4,000		200		
Interceptor Fighters	Shiden-11	NIKI-J	44-10	Single engine Middle wing	1	1200	8.885	4.058	235	2,897	3,900	4,321	166	2.40	716	400	1,116	55	140	V.D.M.	4	33	24-54	Ha 45"-21x1 (Homare - 21)	1,825 1,750	1,625	6,100	1,990	3,000	3,000	0.5	91G	in wing 20" x 4 x 220 shots x 4	or 250x2 (801-)	Radio (telephone) x 1 Homing device x 1	315 5,900	75	5'-50" 6,000	12,100	Normal O. L. I O. L. II	Fuel full Load Removable Tank	3,900 4,321	580 1,117	773 1,374	3.86 4.69	700 4,000	150 190		
	Shiden (modified)	NIKI-J		Single engine Low wing	1	1199	9.346	3.960	235	2,657	4,000	4,860	161.5	2.34	716	400	1,116	55	140	V.D.M.	4	33		Ha 45"-21x1 (Homare - 21)	1,825 1,750	1,625	6,100	1,990	3,000	3,000	0.5	91G	in wing 20" x 2 x 200 shots x 2 ditto 20" x 2 x 250 x 2	wing under side 250x2 or 60x2	ditto	321 5,600	78	7'-22" 6,000	10,960	Normal over Load Removable Tank	Fuel full Load 4,860	716	926	4.87	3,000	147 207		303	
	Raiden-11	J2M2	44-10	ditto	1	10795	9.700	3.810	2005	2,527	3,300	3,807	164	2.54	750	300	1,050	64	128	V.D.M.	4	32.0	25-50	Ha 32"-13x1 (Kasei - 13)	1,420 2,600	1,300	6,000	1,460	2,350	2,450	0.684	91G	in wing 20" x 2 x 100 shots x 2 ditto 20" x 2 x 550 x 2	wing under side 60x2 or 30x2	Radio (telephone) x 1	322 5,450	82.5	4'-30" 5,000	11,680	Normal O. L. I O. L. II O. L. III	Fuel full Load Removable Tank 60" x 1	3,490 3,746 3,807	620 856 856	980 1,360 1,360	4.26 5.89 5.89	230 6,000	145.5 145.5		274
	Raiden-21	J2M3	44-10	ditto	1	10795	9.700	3.810	2005	2,574	3,435	3,446	173.7	2.27	570	400	970	64	128	V.D.M.	4	33.0	30-68	Ha 33"-23A1 (Kasei - 23A)	1,600 1,300	1,510	4,150	1,820	2,500	2,600	0.5	91G	in wing 20" x 2 x 190 shots x 2 20" x 2 x 210 x 2	ditto	ditto	322 5,450	87.5	5'-38" 6,000	11,520	O. L. I O. L. II O. L. III	Fuel full Load Removable Tank 60" x 1	3,630 3,822 3,996	620 856 856	980 1,360 1,360	4.26 5.89 5.89	230 6,000	145.5		
	Raiden-31	J2M6	44-10	ditto	1	10795	9.700	3.810	2005	2,574	3,435	3,946	173.7	2.27	570	400	970	64	128	V.D.M.	4	33.0	30-68	Ha 32"-23A1 (Kasei - 23A)	1,600 1,300	1,510	4,150	1,820	2,500	2,600	0.5	91G	ditto	ditto	ditto	318 5,450	87.5	5'-38" 6,000	11,520	ditto									
	Raiden-32	J2M4		ditto	1	10800	9.745	3.945	2005	2,823	3,741	4,307	178.6	2.78	570	400	970	60		V.D.M.	4	33.5	30-68	Ha 32"-23C1 (with Exhaust Turbine) (Kasei - 23C)	1,420 9,200	1,420	9,200	1,820	2,500	2,600	0.5	91G	in wing 20" x 2 x 190 shots x 2 in fuselage 20" x 2 x 150 x 2 (inclined)	wing under side 30x2 or 60x2	ditto	316 9,200		19'-30" 10,000	11,500			full 0.5 + 3.0 Power		200 3,000					
	Raiden-33	J2M5		ditto	1	10800	9.945	3.945	2005	~	3482	~	174	2.49	740	400	1,140	60		V.D.M.	4	33.5	30-68	Ha 32"-26x1 (Kasei - 26)	1,400 7,200	1,400	7,200	1,820	2,500	2,600	0.625	87G	in wing 20" x 2 x 170 shots x 2 in fuselage 20" x 2 x 210 x 2	ditto	ditto	326 6,800		7'-10" 6,000	11,500			full 0.5 + 1.5 Power		200 3,000					
Night Fighter	Gekko-11	JINI-S	43-8	Twin engine Low wing	2	16980	12.777	4.562	4000	4,852	6,900	7,527	173	3.5	2460		2460	180		Hamilton	3	30.5	25-45	Ha 35"-21x2 (Sakae - 21)	1,100 2,850	980	6,000	1,130	2,700	2,750	0.5833	91G	in fuselage 20" x 4 x 100 x 4 (inclined)		Radio x 1 Inter group telephones x 1 Homing device x 1	274 5,840	76	9'-35" 5,000	9,320	Normal over Load		6,900 7,527	1,656 2,460	1,374 2,040	7.64 11.34	180 4,000	217		382
	Suzuki-12E	D4Y2-S		Single engine Middle wing	2	11493	10.22	3.675	23.6	2,635	2,635	3,835			1,540		85			Hamilton	3	30.0	26-56	Ha 60"-32x1 (Atsuta - 32)	1,340 1,700	1,280	5,000	1,400	2,600	2,800	0.573	91+M	in fuselage 20" x 1 x 220 shots		ditto	313 5,250	78.5	7'-40" 5,000	10,720	Normal O. L. I O. L. II	Fuel full Tank Removable Tank 250" x 1	3,830 4,115 4,623	650 1,050 1,656	819 1,290 1,850	3.56 6.61 8.05	230 3,000	187 230		
	Ginga-21	PIYI-S		Twin engine Middle wing	2	2000	15.00	4.30	550	6,690	9,500	13,500	191	3.65	5,840 7,000 x 2 + 85	7,240 + 85	330	276		Hamilton	3	35.0	27-52	Ha 45"-11x2 (Homare 11 & 12)	1,650 2,000	1,440 5,700	1,820	2,900	2,900	0.5	91+M	fore 20" x 2 x 200 shots (inclined) aft 20" x 2 x 200 (inclined) (13ft can be installed on rear over side of fuselage)		Radio x 1 Inter group telephones x 1 Homing device x 1 Radio Detector x 1	297 5,900	76	8'-13" 5,000	10,220	Normal over Load	Fuel full Tank	10,500 12,710	3,003 6,040	1,600 3,250	8.0 16.25	200 4,000	350 370		730	
Carrier Based Scout Planes	02-11	D4Y1-C	42-7	Single engine Middle wing	2	11493	10.22	3.675	23.6	2,565	3,650	4,361	155	3.76	1,083	331 x 2	1,745	95		Hamilton	3	30.0	26-56	Ha 60"-21x1 (Atsuta - 21)	1,010 1,500	970 4,500	1,200	2,400	2,500	0.6428	91+M	in wing 7.9" x 1 x 97 shots x 6 in fuselage 7.7" x 2 x 600 x 2		Radio (telephone) x 1 Inter group telephones x 1 Homing device x 1	275 4,750	78.5	9'-28" 5,000	9,860	Normal O. L. I O. L. II	Fuel full Tank Aux Tank	3,814 4,361	2,083 2,703	1,183 1,803	5.16 7.84	4,000	210 231		330	
	02-12	D4Y2-C	44-10	ditto	2	11493	10.22	3.675	23.6	2,635	3,835	4,353			1,078	331 x 2	1,740	65		Hamilton	3	30.0	26-56	Ha 60"-32x1 (Atsuta - 32)	1,340 1,700	1,280	5,000	1,400	2,600	2,800	0.573	91+M	Rear over side of fuselage 7.7" x 1 x 97 shots x 6 in fuselage 7.7" x 2 x 600 x 2		Radio x 1 Inter group telephones x 1 Homing device x 1	313 5,250	79	7'-10" 5,000	10,720	Normal over Load	Fuel full Tank With Aux Tank	3,835 4,353	2,178 1,698	1,391 1,745	5.61 8.46	230 3,000	192 218		

Classification	Item	Mark	Adapted on	TYPE	Crew	Dimensions				Weight			Fuel Capacity (L)				Propeller			Power Unit				Military Equipment		Performance						Take off																	
						Span (m)	Length (m)	Height (m)	Wing Area (m²)	Weight Empty (kg)	Normal Load (kg)	Over Load (kg)	Wing Loading (kg/m²)	Power Loading (kg/HP)	Main Tank	Removable Tank	Total	Oil	Water & Methanol	Type & No. of Blade	Diameter (m)	Pitch	Name	Power (HP)		R.P.M.		Red. ratio	Fuel used (lit)	Gun (fixed)	Bomb	Communication	Speed (km/h)		Climb	Range	Duration	Fuel consumption (lit/hr)	Time (min)	Distance (km)									
																								Rated	Take off	Rated	Take off						Max	Land-ing							Time to Alt	Service Ceiling	Condition	Load Condition	Mach. weight (kg)	Fuel (L)	Range (km)	Duration (hr)	Crising Speed Altitude
Carrier-based Torpedo Bombers	Saiun	C6N1		Single engine Low wing	3	12500	11000	3960	255	2908	4500	5274	1765	3.0	1356	730	2,086	70	150	3	350	Hamilton	Ha 45-21x2 (Homare-21)	1825	1500	1990	3000	3000	0.5	91+W.M.	Rear over side of fuselage 7.9 x 1 x 75 x 6	Position x weight x No	Radio (Telephone) x 1 Radio x 1	329	75	8'-0"	6000	10,740	Normal	Normal	4500	1113	1663	7.92	210	1405	380		
	02	JINI-R 42-7		Twin engine Low wing	3	16980	12180	4562	40.0	4852	7250	7527	181	3.7	2460		2460	180			Hamilton	Ha 35-21x2 (Sakae-21)	1100	980	1130	2700	2750	0.5833	91	fore of fuselage 7.7 x 2 Rear over side of fuselage 7.7 x 4	wing under side 30" x 2	Radio x 1 Inter group Telephone x 1 Homing device x 1	274	76	9'-35"	5000	9,320	Normal	over Load	7250	1656	1374	7.63	180	217	382			
	97-12	B5N2 39-12		Single engine Low wing	3	15518	10300	3700	37.7	2279	3800	4100	101	3.92	1160		1160	76			Hamilton	Ha 35-11x1 (Sakae-11)	970	3000	1000	2500	2550	0.6875	91	Rear over side of fuselage 7.7 x 1 x 97 x 6	Fuselage under side 800" x 1 or 250 x 1 or 80 x 2 or Torpedo 800" x 1	Radio x 1	204	61	7'-40"	3000	7,640	Normal	over Load	3800	375	528	3.77	140	3000	99.5	226		
	Tenzan-11	B6N1 43-8		ditto	3	14894	10365	3700	37.2	3010	5200	5650	1398	3.20	1605	300	1,905	90	65	4	340	Hamilton	Ha 32-25x1 (Mamori-11)	1750	1600	1870	2500	2600	0.578	91	Rear over side of fuselage 7.3 x 1 x 97 x 6 Fuselage under side 7.7 x 1 x 97 x 6	Fuselage under side 60" x 6 or 250 x 1 or 500 x 1 or 800 x 1	Radio x 1 Inter group Telephone x 1 Homing device x 1	251	72	11'-0"	5000	8,650	Normal	over Load	5200	724	790	4.39	180	165	274		
	Tenzan-12	B6N2 44-3		ditto	3	14894	10865	3800	37.2	3010	5200	5650	1398	3.38	1605	300	1,905	90	85	4	3400	Hamilton	Ha 32-25x1 (Kasei-25)	1680	1540	1850	2300	2500	0.625		Rear over side of fuselage 13 x 1 x 300 Fuselage under side 7.9 x 1 x 75 x 6	ditto	ditto	260	72	10'-24"	5000	9,040	Normal	over Load	5200	803	943	5.18	180	155	259		
	RuSei	B7A1		Single engine Middle wing	2	14400	11490	4070	35.4	3614	5700		161	3.6	1406		1406	65			V.D.M.	Ha 45-12x1 (Homare-12)	1670	1495	1825	2900	2900	0.5	91+M	in wing 20 x 2 x 100 x 2 Rear over side of fuselage 13 x 1 x 300	Fuselage under side 800" x 1 or 250 x 1 or Torpedo 800" x 1	ditto	293	695	10'-29"	6000	8,950	Normal	over Load	6390		1610							
	99-22	D3A2 43-1		Single engine Low wing	2	14360	10231	3308	34.9	2618	3800	4122	1087	3.16	1079		1079	54			Hamilton	Ha 33-54x1 (Kinsei-54)	1200	1100	1300	2520	2600	0.633		in fuselage 7.7 x 2 x 50 x 2 7.7 x 1 x 97 x 1	wing under side 60" x 2 Fuselage under side 60" x 2 or 250 x 1	ditto	231	70	10'-20"	5000	10,880	Normal	over Load	4122	1079	1366	9.11	150	3000	118.5	210		
	Suisei-12	D4Y2 44-10		Single engine Middle wing	2	11493	10220	3740	23.6	2635	3835	4353	163	3.0	1540		1540	70	85	3	300	Hamilton	Ha 60-32x1 (Atsuta-32)	1340	1280	1400	2600	2800	0.593	91	in wing 7.7 x 2 x 400 x 2 Rear over side of fuselage 7.7 x 1 x 97 x 6	Fuselage under side 500" x 1 or 250 x 1 or 30 x 2	ditto	313	98.5	7'-40"	5000	10,720	Normal	over Load	4115	1050	1290	5.61	230	2000	230		
	Suisei-33	D4Y3		ditto	2	11500	10220	3740	23.6	2501	3750	4657	159	3.19	1040	310x2	1660	65	120	3	300	Hamilton	Ha 33-62x1 (Kinsei-62)	1340	1190	1560	2600	2600	0.633	91+M	in wing 7.7 x 2 x 400 x 2 Rear over side of fuselage 7.9 x 1 x 75 x 3	Fuselage under side 500" x 1 or 250 x 1 or 250" x 1 wing under side 250" x 2	Radio x 1 Homing device x 1	310	1070	9'-18"	6000	10,500	Normal	over Load	4190	1070	1592	7.86	200	3000	136	352	
	Suisei-43	D4Y4		ditto	1	11500	10220	3740	23.6	2635	4542	4733	193	3.81	1345		1345	65	120	3	300	Hamilton	Ha 33-62x1 (Kinsei-62)	1340	1190	1560	2600	2600	0.633	91+M	Fuselage under side 800" x 1	Radio (Telephone) x 1	298		9'-27"	5000	8,450	Attack I	Attack II	4541	690	893	4.96	137	3000	147	462		
Long range Torpedo Bombers	01-11	G4M1 41-4		Twin engine Middle wing	7	24880	19970	4900	78.125	6741	9500	12860	122	3.65	5600		5600	150x2			Hamilton	Ha 32-15x2 (Kasei-15)	1420	1300	1460	2500	2450	0.384	92	Nose 20 x 1 x 45 shafts - 7.7 x 1 Fuselage side 7.7 x 1	Fuselage under side 60" x 12 or 250 x 4 or 200 x 1 or 800 x 1	Radio x 1 Inter group Telephone x 1 Homing device x 1	244	695	9'-53"	5000		Normal	over Load	12581	5600	3270	19.2	3000		291	343		
	01-22	G4M2 44-10		ditto	7	24890	19630	4110	78.000	7994	12500	15000	160	4.05	6490		6490	330	220	4	340	Hamilton	Ha 32-21x2 (Kasei-21)	1680	1540	1850	2500	2600	0.54	87G + W.M.	Nose 17.7 x 1 x 97 x 6 Rear over side of fuselage 20 x 1 x 45 x 1/2 Tail end 20 x 1 x 45 x 1/2 Fuselage side 7.7 x 1 x 97 x 12	ditto	236	76	13'-21"	5000	8,950	Normal	over Load	14544	6490	3021	19.83	170	3000	344	626		
	01-24	G4M2A 44-10		ditto	7	24890	19630	4110	78.000	7994	12500	15000	160	4.05	6490		6490	330	220	4	3400	Hamilton	Ha 32-25x2 (Kasei-25)	1680	1540	1850	2500	2600	0.625	87G + W.M.	ditto	ditto	236	76	13'-21"	5000	8,950	Normal	over Load	14544	6490	3635	21.69	170	3000	302	501		
	01-24D	G4M2E		ditto	7	24890	19630	4110	78.000	8930	15500		199	4.2	5710		5710	150x2	220	4	340	Hamilton	Ha 32-25x2 (Kasei-25)	1680	1540	1850	2500	2600	0.625	87G + W.M.	ditto	oka-11	ditto	214	76	10'-0"	3000	7,250	Normal	over Load	14500	2930	1130	6.66	170	3000	243	266	626
	01-34	G4M3		ditto	7	24890	19630	4110	78.000	8391	12500	14722	199	4.2	4398		4398	150x2	220	4	340	Hamilton	Ha 32-25x2 (Kasei-25)	1680	1540	1850	2500	2600	0.625	87G + W.M.	Nose 13 x 1 x 200 Rear over side of fuselage 20 x 1 x 45 x 5 Tail end 20 x 1 x 45 x 5 Fuselage side 20 x 1 x 45 x 1	Fuselage under side 60" x 12 or 250 x 4 or 500 x 1 or 800 x 1	ditto	246	76	9'-14"	3000	9,026	Normal	over Load	15500	4398	1967	11.6	170	3000	379	542	



