

Martin Aircraft Specifications

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P5M Marlin

Customer Model Type	Martin Model No.	Martin Serial No.	Customer Serial No.	Type/Customer	Delivery Date	Contract Number	First Flight	Total Built	Engine(s)	Notes
XP5M-1 (PBM-5)	237	(13010)	(98616)	Patrol boat/Navy	N/A	NOa (s) -4017	5/4/48	1	Two Wright R-3350-26's	Prototype started under Navy contract on 6/26/46, utilizing a PBM-5 hulk. Equipped with radar-operated turrets, power dorsal turret, and "hyroflaps."
P5M-1	237A " " " "	N/A	124910-124914 126490-126511 127696-127719 130265-130351 135452-135473	Patrol boat/Navy	4/23/52	NOa (s) -4017	6/22/51	5 22 24 87 22	Two Wright R-3350-30WA's	Dorsal turret removed, and a radome with APS-80 equipment replaced the nose turret. New uprated engines with weapons bays was added and cockpit/ flight deck was raised.
P5M-1S	237A	(N/A)	(N/A)	Patrol boat/Navy	N/A	NOa (s) -4017	N/A	(80)	R-3350-30WA's	P5M-1's provided with AN/ASQ-8, Julie/Jezebel detection equipment.
P5M-1G	237A "	N/A	1284-1287 1295-1297	Patrol boat/US Coast Guard	1954	NOa (s) -4017	N/A	4 3	R-3350-30WA's	First variants delivered to the US Coast Guard.
P5M-1T	237A	(N/A)	149825-149831	Patrol boat/Navy	1961	NOa (s) -4017	N/A	(7)	R-3350-30WA's	All P5M-1G's were acquired by the Navy after P5M-2G's were delivered.
P5M-2	237B " " " " "	N/A	135474-135543 137846-137848 140140-140150 141252-141258 147926-147937 (149832-149835)	Patrol boat/Navy	6/23/54	N/A	8/53	70 3 11 7 12 (4)	Two Wright R-3350-32WA's	Incorporated a new "T" tail, lower bow chine line, improved crew accommodations and greater horsepower. Equipped with new AN/APS-44 radar in the nose and MAD detection devices in a tail radome.
P5M-2 (French)	237B " "	N/A	146440-146445 147539-147542 147575-147576	Patrol boat/France	N/A	N/A	N/A	6 4 2	Two Wright R-3350-32WA's	P5M-2's built for the French under MAP arrangements.
P5M-2S	237B	(N/A)	(N/A)	Patrol boat/Navy	N/A	N/A	N/A	(N/A)	Two Wright R-3350-32WA's	Julie/Jezebel systems and other new equipment added under a modernization program.
P5M-2G	237V "	N/A	1312 1318-1320	Patrol boat/US Coast Guard	1961	N/A	N/A	1 3	Two Wright R-3350-32WA's	P5M-2 variants delivered to the Coast Guard with ASW gear deleted and air-sea rescue equipment added.
P-5A (P5M-1)	237A " " " "	(N/A)	(124910-124914) (126490-126511) (127696-127719) (130265-130351) (135452-135473)	Patrol boat/Navy	9/18/62	N/A	N/A	(5) (22) (24) (87) (22)	Two Wright R-3350-30WA's	Navy redesignation of P5M-1.

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SP-5A (P5M-1S)	237A	(N/A)	(N/A)	Patrol boat/Navy	9/18/62	N/A	N/A	(80)	R-3350-30WA's	Navy redesignation of P5M-1S.
TP-5A (P5M-1T)	237A	(N/A)	(149825-149831)	Patrol boat/Navy	9/18/62	N/A	N/A	(7)	R-3350-30WA's	Navy redesignation of P5M-1T.
P-5B (P5M-2)	237B " " " "	(N/A)	(135474-135543) (137846-137848) (140140-140150) (141252-141258) (147926-147937) (149832-149835)	Patrol boat/Navy	9/18/62	N/A	N/A	(70) (3) (11) (7) (12) (4)	Two Wright R-3350-32WA's	Navy redesignation of P5M-2.
SP-5B (P5M-2S)	237B	(N/A)	(N/A)	Patrol boat/Navy	9/18/62	N/A	N/A	(N/A)	Two Wright R-3350-32WA's	Navy redesignation of P5M-2S. One model was fitted with a jet engine in rear fuselage as a possible retrofit.
- (XP5M-1)	270	(13010)	(98616)	Experimental /Navy	N/A	NOa (s) -11064	N/A	(1)	Two Wright R-1820's	Hull test bed for the P6M. Dubbed the "SubMaster".

SPECIFICATIONS: XP5M-1 / P5M-1

Description:	Anti-submarine patrol flying boat
Engine:	XP5M-1: two 2,790 hp Wright R-3350-26 supercharged Cyclones / P5M-1: two 3,250 hp Wright R-3350-30WA's
Dimensions:	Span: 118 ft 2.25 in; length: 94 ft 6 in; height: 38 ft 5 in; wing area: 1,406 sq ft
Weights:	P5M-1: 46,642 lb empty; 72,837 lb loaded
Crew:	8
Armament:	XP5M-1: nose (radar, proposed) and dorsal (power) turrets with twin 0.50-in guns, twin aft firing radar operated 20mm cannon / P5M-1: twin aft firing radar operated 20mm cannon
Performance:	Maximum speed: 234 mph; cruising speed: 150 mph; range: 2,880 miles

SPECIFICATIONS: P5M-2

Description:	Anti-submarine patrol flying boat
Engine:	Two 3,450 hp Wright R-3350-32WA supercharged Cyclones
Dimensions:	Span: 118 ft 2.25 in; length: 100 ft 7 in; height: 32 ft 8.5 in; wing area: 1,406 sq ft
Weights:	50,485 lb empty; 76,635 lb loaded; 85,000 lb max
Crew:	8-11
Armament:	Four torpedoes, four bomb or mines, or smaller ordnance up to 8,000 lb internally; up to 8,000 lb of bombs or mines externally
Performance:	Maximum speed: 251 mph at sea level; cruising speed: 150 mph at 1,000 ft; landing speed: 97 mph; service ceiling: 24,000 ft; climb: 1,200 ft/min; range: 2,050 miles