

Martin Aircraft Specifications

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PM Series

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
PM-1	117 "	404-428 429-430	A8289-A8313 A8477-A8478	Flying boat patrol bomber/Navy	N/A 10/18/30	12551 "	N/A N/A	25 2	Two Wright R-1750D Cyclones	Originally designed by the Naval Aircraft Factory as PN-10/12, PM-1's were later production versions of the 1928 model. Douglas built them as PD's, and Keystone Aircraft Corp as PK's.
PM-1B	117	431-433	-	Patrol boat/Brazil	10/25/30	SO 3745	N/A	3	Two Wright R-1750D's	Supplied to the Brazilian Navy during a civil war there.
PM-2	122 "	445-469 470-472	A8662-A8686 A8479-A8481	Patrol boat/Navy	N/A 9/23/31	17696 "	N/A N/A	25 3	Two Wright R-1820-64's	Embodied a larger engine and twin vertical tail arrangement similar to the NAF PN-11. Engine cowlings were added refinements, and some models even had enclosed cockpits installed by the Navy.

SPECIFICATIONS: PM-1 / PM-2

Description:	Twin engined Navy patrol flying boat
Engine:	PM-1: two 525 hp Wright R-1750D Cyclones / PM-2: two 575 hp Wright R-1820-64's
Dimensions:	PM-1: span: 72 ft 10 in; length: 49 ft 3.25 in; height: 16 ft 4 in; wing area: 1162 sq ft / PM-2: length: 49 ft 0 in; height: 16 ft 9.12 in; wing area: 1189 sq ft
Weights:	PM-1: 8680 lb empty; 15,835 lb loaded / PM-2: 9985 lb empty; 17,262 lb loaded
Crew:	5 (pilot, copilot, navigator, radio operator, gunner/mechanic)
Armament:	Two 0.30-in Lewis machine guns in bow and amidships; four 230 lb bombs
Performance:	PM-1: maximum speed: 117.8 mph; landing speed: 60 mph; climb: 3550 ft/10 min; service ceiling: 8500 ft; range: 865 miles (bomber), 1193 miles (patrol) / PM-2: maximum: 120 mph; landing: 65 mph; climb: 4150 ft/10 min; service ceiling: 9600 ft; range: 865 miles (bomber), 1240 miles (patrol)

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