

# Martin Aircraft Specifications

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## Mercator Types

| 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   |
|---------------------|------------------|-------------------|--|--------------------------------------|---------------------|-----------------|--------------|---------------|---|---|
| XP4M-1              | 219              | 11960-11961       | 02789-02790  | Experimental long range patrol/ Navy | 6/21/48             | NOa (s) -4157   | 9/20/46      | 2             | Two P&W R-4360-4's & two Allison J-33-A-17's  | Two prototypes ordered by the Navy on 7/6/44. First was fully armed; the second a stripped version (with planned nose radar).   |
| P4M-1               | 219A             | N/A               | 121451-121454, 122207-122209, 124362-124373            | Long range patrol/Navy               | 12/22/49 to 9/23/50 | NOa (s) -8406   | 9/49         | 19            | Two P&W R-4360-20's & two Allison J-33-A-23's | Ordered under the 1947 Naval Appropriations Bill, production began 4/49. Ten models delivered to VP-21, the rest converted to recon missions.   |
| P4M-1Q              | 219B             | (N/A)             | (121451, 121453, 121454, 122207-122209, 124362-124373) | Electronic reconnaissance/ Navy      | 10/51               | N/A             | 2/51         | (18) modified | Two P&W R-4360-20's & two Allison J-33-A-23's | P4M-1's modified with electronic intelligence devices and trained by composite squadron VC-11, then to VC-11 in the Philippines. Additional units were sent to Japan (VQ-1 and VQ-2). |

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## SPECIFICATIONS: XP4M-1 / P4M-1 / P4M-1Q

|                     |  |
|---------------------|--|
| <b>Description:</b> | Long range Navy patrol/reconnaissance plane  |
| <b>Engine:</b>      | XP4M-1: two 2,975 hp Pratt & Whitney R-4360-4 Wasp Majors and two supplemental 3,825 lb thrust Allison J-33-A-17 axial flow turbojet engines / P4M-1: two 3,250 hp Pratt & Whitney R-4360-20A's and two 4,600 lb thrust Allison J-33-A-23 engines  |
| <b>Dimensions:</b>  | Span: 114 ft 0 in; length: 85 ft 2.88 in; height: 26 ft 1 in; wing area: 1,311 sq ft   |
| <b>Weights:</b>     | 82,500 lb loaded / P4M-1Q: 88,378 lb loaded  |
| <b>Crew:</b>        | P4M-1Q: 14 (pilot, copilot, navigator, electronics officer, 6 intercept operators, captain/relief gunner, and 3 gunners)   |
| <b>Armament:</b>    | XP4M-1: two 0.50-in guns mounted in an Emerson X250SE-2 nose turret, two 0.50-in guns in Martin 250CE-24 deck turret, two aft firing 20mm cannon in Martin X-220CH-2 tail turret / P4M-1: four 20mm cannon (2 in nose and 2 in tail turrets), two 0.50-in guns in upper turret; 12,000 lb maximum bomb bay ordnance (including various bombs, mines, and aerial torpedoes) |
| <b>Performance:</b> | Maximum speed: 410 mph; service ceiling: 16,900 ft; range: 2,840 miles / P4M-1Q: range: 2,000 miles  |