

# Martin Aircraft Specifications

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## Experimental 1922-1924

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
MO-1	57 "	47-52 64-93	A6455-A6460 A6633-A6662	Observation/Navy "	4/18/23 1/25/24	55933 57228	N/A N/A	6 30	Curtiss D-12 "	Designed by Martin engineer George Madelung in response to Bureau of Aeronautics specifications for an all-metal monoplane.
M2O-1	60	53-55	A6452-A6454	Observation/Navy	4/6/23	55782	N/A	3	Curtiss D-12	Identical to Naval Aircraft Factory NO-1 (A6431-A6432) and NO-2 (A6433).
MS-1	63	56-61	A6521-A6526	Scout, submarine/ Navy	7/30/23	56083	N/A	6	Lawrence L-4-S	MS-1 was the smallest aircraft built by the Glenn L. Martin Company.
NBL-2	66	-	-	Night bomber /Army;	-	-	-	-	-	Possible bomber design adapted for night mail delivery, eventually remodelled as Model 70 "commercial's".
MNM-1	"	94-96	-	Night mail/US Postal Service	-	-	N/A	3	Wright E-4	
N2M-1	67	97	-	Training/Navy	9/29/23	58276	N/A	1	Wright J-R-4	Formerly NT-1, fitted with dual controls for training exercises. Same basic design as the Model 66.
- (MNM-1)	70	(94-96)	501-503	Airmail/ commercial	8/22/23	88	N/A	(3) remodel	Wright E-4	Converted using Model 66 Martin Night Mail planes with overall dimensions reduced.

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## SPECIFICATIONS: MO-1

<b>Description:</b>	Observation/spotter all metal Navy monoplane
<b>Engine:</b>	375 hp Curtiss D-12
<b>Dimensions:</b>	Span: 53 ft 0 in; length: 37 ft 9 in; height: 13 ft 4 in (floats) 11 ft 9 in (gear); wing area: 488 sq ft
<b>Weights:</b>	3481 lb empty; 5061 lb loaded
<b>Crew:</b>	3 (pilot, navigator/observer, gunner)
<b>Armament:</b>	One flexible 0.30-in gun in rear cockpit
<b>Performance:</b>	Maximum speed: 104.5 mph; landing speed: 51 mph; climb: 4700 ft/10 min; service ceiling: 10,500 ft

## SPECIFICATIONS: MS-1

<b>Description:</b>	Submarine based Navy scout biplane
<b>Engine:</b>	60 hp Lawrence L-4-S three cylinder radial
<b>Dimensions:</b>	Span: 18 ft 0 in; length: 17 ft 6 in; height: 7 ft 6 in; wing area: 99 sq ft
<b>Weights:</b>	650 lb empty; 1000 lb loaded
<b>Crew:</b>	1 (pilot/observer)
<b>Armament:</b>	N/A
<b>Performance:</b>	Cruising speed: 52 mph; maximum speed: 97 mph; climb: 4000 ft/10 min; service ceiling: 8400 ft; range: 200 miles

## SPECIFICATIONS: M2O-1

<b>Description:</b>	Observation/spotter Navy biplane
<b>Engine:</b>	375 hp Curtiss D-12
<b>Dimensions:</b>	Span: 43 ft 6 in; length: 33 ft 0 in; height: 12 ft 8 in; wing area: 462 sq ft
<b>Weights:</b>	3063 lb empty; 4643 loaded
<b>Crew:</b>	3 (pilot, navigator/observer, gunner)
<b>Armament:</b>	One flexible 0.30-in gun in rear cockpit
<b>Performance:</b>	Maximum speed: 110 mph; landing speed: 52 mph; climb: 5000 ft/10 min; service ceiling: 14,000 ft

## SPECIFICATIONS: N2M-1 (67)

<b>Description:</b>	Navy trainer
<b>Engine:</b>	200 hp Wright J-R-4 nine cylinder radial
<b>Dimensions:</b>	Span: 42 ft 0 in; length: 27 ft 10 in; height: 12 ft 1 in; wing area: 430 sq ft
<b>Weights:</b>	1937 lb empty (land), 2091 lb (sea); 2550 lb loaded (land), 2704 lb (sea)
<b>Crew:</b>	2 (pilot, trainee)
<b>Armament:</b>	None
<b>Performance:</b>	Maximum speed: 112 mph (land); landing speed: 39 mph (land); climb: 7600 ft/10 min; service ceiling: 19,000 ft

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## SPECIFICATIONS: MNM-1 (66) / "Commercial" (70)

<b>Description:</b>	Night mail delivery biplane
<b>Engine:</b>	200 hp Wright E-4 nine cylinder radial
<b>Dimensions:</b>	Span: 38 ft 0 in; length: 27 ft 10 in; height: 11 ft 2 in; wing area: 367 sq ft / MNM-1: span: 42 ft 0 in; length: 27 ft 10 in; height: 12 ft 1 in; wing area: 430 sq ft
<b>Weights:</b>	2133 lb empty; 3235 lb loaded / MNM-1: 2020 lb empty; 2873 lb loaded
<b>Crew:</b>	1 (pilot/navigator) or 2 (pilot/navigator, mechanic)
<b>Armament:</b>	None
<b>Performance:</b>	Maximum speed: 112 mph; landing speed: 45 mph; climb: 6000 ft/11 min; service ceiling: 17,000 ft; range: 500 miles / MNM-1: maximum: 105 mph; landing: 38 mph; climb: 6000 ft/11 min; range: 500 miles

*Note:* The Model 67 N2M-1's basic design was also used for the Model 66 MNM-1.  
Model 66 specifications above indicate the MNM-1; the 66 originally designated as NBL-2 was never built.  
Model 70 "commercial's" and Model 66's are the same aircraft (Martin serial no's. 94-96), although dimensions were later reduced somewhat on the 70.