

Martin Aircraft Specifications

©1998 The Glenn L. Martin Aviation Museum

BM 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
XT5M-1	77	401	A8051	Dive bomber/ Navy	5/13/29	8778	N/A	1	P&W R-1690-22	Originated in 1928 from Bureau of Aeronautics Design 77, a dive bomber capable of 6000 ft vertical dives.
XT6M-1	118	402	A8411	Torpedo bomber/ Navy	12/29/30	12976	N/A	1	P&W R-1860	
BM-1	125	473	-	Dive bomber/ Navy	9/28/31	21342	N/A	1	P&W	The BM-1 contract cost the Navy \$534,662, with a unit price of \$26,700 (including spare parts).
	"	474-483	A8879-A8888		7/8/32	"	N/A	10	R-1690-44	
	"	501-502	A8889-A8890		"	"	N/A	2		
	"	503-506	A9214-A9217		"	26229	N/A	4		
XBM-1	125	484	A9212	Test aircraft/ Navy	4/26/32	25704	N/A	1	P&W R-1690-44	Used in special testing by the National Advisory Committee for Aeronautics (NACA), which included load factor and pressure distribution analyses.
BM-2	129	485	-	Dive bomber/ Navy	8/32	24145	N/A	1	P&W	
	"	486-500	A9170-A9184		1/19/33	"	N/A	15	R-1690-44	
	"	507	A9185		6/33	"	N/A	1		

Martin Aircraft Specifications

©1998 The Glenn L. Martin Aviation Museum

SPECIFICATIONS: XT5M-1 / XT6M-1 / BM-1 / BM-2

Description:	Navy dive/torpedo bomber biplane
Engine:	XT5M-1: 525 hp Pratt & Whitney R-1690-22 Hornet / BM-1/BM-2: 625 hp Pratt & Whitney R-1690-44 Hornet
Dimensions:	Span: 41 ft 0 in; length: 28 ft 4.38 in; height: 11 ft 6.25 in; wing area: 417 sq ft / BM-2: length: 28 ft 9 in; height: 12 ft 4 in; wing area: 436 sq ft
Weights:	XT5M-1: 2934 lb empty; 5423 lb loaded / BM-1: 3587 lb empty; 6147 lb loaded / BM-2: 3555 lb empty; 6100 lb loaded
Crew:	2 (pilot/bombardier, radio operator/observer/gunner)
Armament:	One fixed forward 0.30-in gun; one flexible 0.30-in gun in rear cockpit; one 1000 lb bomb
Performance:	XT5M-1: maximum speed: 140 mph; climb: 7600 ft/10 min; service ceiling: 16,500 ft; range: 425 miles / BM-2: maximum: 146 mph; cruising: 120 mph; landing: 55 mph; climb: 10,000 ft/10 min; ceiling: 16,800 ft; range: 413 miles with 1,000 lb bomb