

Martin Aircraft Specifications

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145/146 Bomber Projects

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
XB-16	145A	-	-	Long range heavy bomber/Army	-	6868	-	-	4 Allison V-1710's	Proposed heavy bomber design began late 1934 for engineering data only. Soon rejected as underpowered.
XB-16A	145B	-	-	Long range heavy bomber/Army	-	6868	-	-	4 Allison V-1710-3's, 2 radials	Prototype order went to Boeing's XB-15 design.
-	146	662	-	Bomber/Army	9/21/35	SO 4817	7/35	1	Two Wright R-1820-05's	First big plane designed with Fowler Flaps. Lost order to the Douglas B-18.

SPECIFICATIONS: XB-16 / XB-16A

Description:	Long range heavy bomber
Engine:	Four 1,000 hp Allison V-1710 liquid cooled V-12's / XB-16A: four Allison V-1710-3's (2 tractors, 2 pushers) and two tractor radials
Dimensions:	Span: 140 ft 0 in; length: 84 ft 0 in; height: 19 ft 7 in; wing area: 2,600 sq ft / XB-16A: span: 173 ft 0 in; length: 114 ft 10 in; wing area: 4,256 sq ft
Weights:	31,957 lb empty; 65,000 lb loaded / XB-16A: 50,660 lb empty; 104,880 lb loaded
Crew:	10
Armament:	4 flexible 0.50-in guns (nose, tail, dorsal, and ventral turrets); 2,500 lb of bombs
Performance:	Maximum speed: 237 mph; cruising speed: 120 mph; landing speed: 60 mph; service ceiling: 22,500 ft; climb: 7,400 ft/10 min; range: 5,040 miles / XB-16A: maximum: 256 mph; cruising: 140 mph; landing: 77 mph; range: 3,300 miles

SPECIFICATIONS: 146

Description:	High speed all metal monoplane bomber
Engine:	Two 800 hp Wright R-1820-G5 Cyclones
Dimensions:	Span: 75 ft 1 in; length: 52 ft 0 in; height: 15 ft 5 in; wing area: 729 sq ft
Weights:	10,943 empty; 16,000 loaded; 17,100 max
Crew:	4 (pilot, copilot/radio operator, bombardier/gunner, gunner)
Armament:	3 flexible 0.30-in guns mounted in nose turret, floor, and rear canopy; 2260 lbs of bombs
Performance:	Maximum speed: 234 at 13,500 ft; cruising speed: 204 mph at sea level; service ceiling: 28,500 ft; range: 1237 miles with bombs, 1589 miles max