

Martin Aircraft Specifications

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B-10 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
XB-907	123	434	AC33-139	Bomber/ Army Air Corps	4/20/32	W535 ac-3838	2/32	1	Two Wright SR-1820-E's	Prototype to B-10 (model 139); utilized open cockpits.
XB-907A	123	(434)	(AC33-139)	Bomber/ Army Air Corps	N/A	W535 ac-3838	10/32	(1) modified	Two Wright R-1820-19's	Larger wingspan and more powerful engines added.
XB-10	123	(434)	(AC33-139)	Bomber/ Army Air Corps	N/A	W535 ac-3838	5/33	(1) modified	Two Wright R-1820-19's	Final form of prototype plane with single-strut landing gear and enclosed cockpits.
YB-10 (B-10M)	139A	508-521	AC33-140 - AC33-153	Bomber/ Army Air Corps	N/A	W535 ac-5665	11/33	14	Two Wright R-1820-25's (675 hp)	Ordered by Army for service/ testing. Flew airmail and Alaska mission; thirteen still in service April, 1940.
YB-10A	139A	522	AC33-154	Bomber/ Army Air Corps	6/19/34	W535 ac-5665	N/A	1	Two Wright R-1820-31's	Furnished with F2F turbo super- chargers on each engine.
YB-12	139B	523-529	AC33-155 - AC33-161	Bomber/ Army Air Corps	N/A	W535 ac-5665	1/34	7	Two P&W R-1690-11's (775 hp)	Equipped with floatation chambers, 250 or 580 gallons. Five still in service April, 1940.
XB-14	139B	530	AC33-162	Bomber/ Army Air Corps	N/A	W535 ac-5665	N/A	1	Two P&W R-1830-9's (900 hp)	Experimental version with new Pratt & Whitney Twin Wasp engine; converted back to YB- 12 after testing.
YB-12A	139B	531-545	AC33-163 - AC33-177 and	Bomber/ Army Air Corps	N/A	W535 ac-5665	N/A	15	Two P&W R-1690-11's	Long-range landplane version of the YB-12 with extra fuel tanks in bombay; floatation chambers for safety on overwater flights. Twenty-three still in service April, 1940.
	"	546-555	AC33-258 - AC33-267		N/A		N/A	10		
B-13	139	-	-	Bomber/AAC	-	-	-	-	-	Canceled.
B-10B	139	559-646	AC34-028 - AC34-115 and	Bomber/ Army Air Corps	8/8/36	W535 ac-6861	N/A	88	Two Wright R-1820-33's	FY 1934 appropriation; PWA funds.
	"	647-661	AC35-232 - AC35-246		"	"	N/A	15		FY 1935 appropriation; PWA funds.
	"	-	AC36-347 and AC36-348		N/A	"	N/A	2		Built from salvage and spares at Middletown Air Depot, 1936.
A-15	139	-	-	Bomber/AAC	N/A	-	N/A	1	R-1820-25	Attack version tested mid 30's.
O-45	139	-	-	Bomber/AAC	N/A	-	N/A	1	R-1820-17	Observation version.

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-	139WA	693	-	Bomber/ Argentina	8/30/37	SO 5373	8/36	1	R-1820-F53 (750 hp)	Demonstration aircraft flown to Argentina, fate unknown.
-	139WR	663	-	Bomber/USSR	9/10/36	50165	N/A	1	R-1820-F33 (730 hp)	Used two-position Hamilton Standard props.
-	139WH "	664-670 671-676	M501-M507 M508-M513	Bomber/ Netherlands	2/2/37 "	48096 48121	N/A N/A	7 6	R-1820-F53	
-	139WC	677-682	-	Bomber/China	2/19/37	SO 5280	N/A	6	R-1820-G2 (850 hp)	
-	139WSM	683-685	-	Bomber/Siam	3/5/37	SO 5425	N/A	3	R-1820-G2	
-	139WSM-2	686-688	-	Bomber/Siam	4/26/37	SO 5633	N/A	3	R-1820-G2	
-	139WC-2	689-691	-	Bomber/China	8/18/37	SO 5865	N/A	3	R-1820-G2	
-	139WT	694-713	-	Bomber/Turkey	9/15/37	SO 5590	N/A	20	R-1820-G2	
-	139WAN "	715-720 721-726	2-B-1 - 2-B-6 3-B-1 - 3-B-6	Bomber/ Argentine Navy	11/13/37 "	SO 5438 "	N/A N/A	6 6	R-1820-G2	
-	139WH-2	727-752	M514-M539	Bomber/ Netherlands	3/24/38	49190	11/37	26	R-1820-G3 (850 hp)	Utilized constant-speed Curtiss props.
-	139WAA	753-774	-	Bomber/ Argentine Army	4/28/38	Ae. 40	N/A	22	R-1820-G3	
-	139WH-3 (166)	692 775-794 796-814	- M540-M559 M560-M578	Bomber/ Netherlands	N/A 9/28/38 "	- 50014 "	N/A 5/38 "	1 20 19	R-1820-G5 (900 hp)	Continuous cockpit enclosure was added to -3 and -3A versions (also known as 166).
-	139WH-3A (166)	837-854 855-875 878 1094-1095	M579-M596 M597-M617 M618 M619-M620	Bomber/ Netherlands	N/A N/A 5/5/39 3/29/40	51111 51399 " 51768	12/38 " " "	18 21 1 2	R-1820- G-105A (1000 hp)	

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SPECIFICATIONS: XB-907 / XB-907A / XB-10

Description:	High speed all metal monoplane bomber
Engine:	XB-907: two 650 hp Wright SR-1820-E Cyclones / XB-907A/XB-10: two 675 hp Wright R-1820-19's
Dimensions:	XB-907: span: 62 ft 2 in; length: 44 ft 0 in height: 16 ft 4 in / XB-907A/XB-10: span: 70 ft 6 in
Weights:	XB-907: 10,580 lb loaded / XB-907A/XB-10: 12,560 lb loaded
Crew:	3 (pilot, copilot/bombardier, radio operator)
Armament:	3 flexible 0.30-in guns mounted in nose turret, floor, and rear canopy; one 2000 lb bomb
Performance:	XB-907: maximum speed: 197 mph; landing speed: 91 mph; climb: 16,000 ft/10min; service ceiling: 20,000 ft / XB-907A/XB-10: maximum: 207 mph; ceiling: 21,000 ft; range: 600 miles

SPECIFICATIONS: B-10B

Description:	High speed all metal monoplane bomber
Engine:	Two 700 hp Wright R-1820-33 Cyclones
Dimensions:	Span: 70 ft 6 in; length: 44 ft 8.68 in; height: 15 ft 5 in; wing area: 678 sq ft
Weights:	9681 empty; 13,212 loaded
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: 215 mph; cruising speed: 193 mph; landing speed: 65 mph; climb 10,000 ft/6.8 min; service ceiling: 24,600 ft; range: 1240 miles with bombs

SPECIFICATIONS: YB-10 / YB-10A / YB-12 / YB-12A

Description:	High speed all metal monoplane bomber
Engine:	YB-10: two 675 hp Wright R-1820-25 Cyclones / YB-10A: two 675 hp Wright R-1820-31's / YB-12/YB-12A: two 775 hp Pratt & Whitney R-1690-11 Hornets
Dimensions:	Span: 70 ft 6 in; length: 44 ft 8.68 in; height: 15 ft 5 in; wing area: 678 sq ft
Weights:	YB-10: 7726 empty; 12,882 loaded
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:	YB-10: maximum speed: 215 mph; cruising speed: 196 mph; climb 10,000 ft/7 min; service ceiling: 25,000 ft; range: 1400 miles / YB-10A: maximum speed: 236 mph / YB-12: range: 524 miles / YB-12A: range: 1360 miles

SPECIFICATIONS: 139W (all versions)

Description:	High speed all metal monoplane bomber
Engine:	Two Wright R-1820-F33's (730 hp), F53's (750 hp), G2's (850 hp), G3's (850 hp), G5's (900 hp), G105A's (1000 hp)
Dimensions:	Span: 70 ft 6 in; length: 44 ft 8.68 in; height: 15 ft 5 in; wing area: 678 sq ft / WH-3/WH-3A: height: 11 ft 6 in; wing area: 682.5 sq ft
Weights:	9205 empty; 14,470 loaded / WH-3/WH-3A: 10,322 empty; 15,624 loaded
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: WR/WH: 220 mph, WH-2: 242 mph, WH-3/WH-3A: 236-241 mph; cruising speed: 160-168 mph, WH-3/WH-3A: 180-186 mph; climb: 9500 ft/8 min, WH-3/WH-3A: 9500 ft/4.9 min; service ceiling: 24,000 ft, WH-3/WH-3A: 28,215 ft; endurance: 7.37-8.2 hours at 170 mph, WH-3/WH-3A: 9.36 hours