

Martin Aircraft Specifications

©1998 The Glenn L. Martin Aviation Museum

Prototype Bombers

| 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-48 | 223 | N/A | 45-59585-45-59586 | Experimental bomber/USAF | N/A | W33-038 ac-7675 | 6/22/47 | 2 | Six Allison J35-A-5's | Pioneered the tandem "bicycle" type landing gear for large bombers. |
| XB-51 (XA-45) | 234 | N/A | 46-685 - 46-686 | Experimental bomber/USAF | N/A | N/A | 10/28/49 | 2 | Three GE J47-GE-13's | Originally designed as an attack aircraft by the Air Force under specification V-8237-1. Later reevaluated as a ground-support bomber. |

SPECIFICATIONS: XB-48

| | |
|---------------------|--|
| Description: | Experimental six jet bomber |
| Engine: | Six 4,000 lb thrust Allison/General Electric J35-A-5's grouped three under each wing |
| Dimensions: | Span: 108 ft 4 in; length: 85 ft 8 in; height: 26 ft 6 in; wing area: 1,330 sq ft |
| Weights: | 58,260 lb empty; 102,600 lb loaded |
| Crew: | 3 (pilot, copilot/gunner, navigator/bombardier) |
| Armament: | Two rear firing radar directed 0.50-in guns (planned); up to 22,000 lb of ordnance in bomb bay |
| Performance: | Maximum speed: 479 mph at 35,000 ft; cruising speed: 453 mph; service ceiling: 39,200 ft; climb: 3,250 ft/min; range: 2,500 miles (with 8,000 lb of bombs) |

SPECIFICATIONS: XB-51

| | |
|---------------------|---|
| Description: | Experimental ground support/attack bomber |
| Engine: | Three 5,200 lb thrust General Electric J47-GE-13's and four external RATO bottles at 975 lb thrust each for 14 second duration |
| Dimensions: | Span: 53 ft 1 in (35° sweep); length: 85 ft 1 in; height: 17 ft 4 in; wing area: 548 sq ft |
| Weights: | 29,584 lb empty; 59,467 lb loaded |
| Crew: | 2 (pilot, navigator/bombardier/radio operator) |
| Armament: | Eight fixed forward firing 20mm cannon with 1,280 rounds; removable rotary bomb bay door with provisions for 10,495 lb of ordnance |
| Performance: | Maximum speed: 500 mph at 35,000 ft; cruising speed: 434 mph; landing speed: 150 mph; service ceiling: 40,500 ft; climb: 6,980 ft/min; range: 1,600 miles |