

Specifications for the Curtiss H-16 Seaplane / Flying Boat

Focus Model	Curtiss H-16
Country of Origin	United States
Manufacturer	Curtiss Aircraft / Naval Aircraft Factory - USA
Initial Year of Service	1917
Production Total	334
Crew	4
Length	46.13 ft (14.06 m)
Width	98.36 ft (29.98 m)
Height	17.72 ft (5.40 m)
Weight (Empty)	10,900 lb (4,944 kg)
Weight (MTOW) maximum take-off weight	14,330 lb (6,500 kg)
Power plant	2 x Liberty 12-cylinder V-type engines developing 400 horsepower each
Maximum Speed	95 mph (153 kmh; 83 kts)
Maximum Range	378 miles (608 km)
Service Ceiling	9,951 ft (3,033 m; 1.9 miles)
Rate-of-Climb	400 feet-per-minute (122 m/min)
Hard points	4
Armament Suite	5 to 7 x 0.30 caliber Lewis machine guns on flexible mounts
OPTIONAL	Up to 460lbs of bombs
Variants	H-2 - Initial Prototype Seaplane Models; 2 examples produced

The H-16 crew consisted of two pilots and two dedicated machine gunners. The pilots sat in the partially-enclosed cockpit flight deck at the front end of the fuselage. One machine gunner was seated in the forward-most open-air cockpit at the front of the fuselage. The other managed a dorsal gun position amidships aft of the wing assemblies. The wings were high-mounted on the fuselage. The fuselage tapered off at the rear and was capped by a triangular vertical tail fin with applicable horizontal tailplanes. Cabling was apparent throughout the wing surfaces of the design as was common for the time period concerning aircraft. The H-16 maintained the earlier Curtiss boat-like hull which enabled the aircraft to land on water. By now the wingspan of the H-16 required no fewer than four bays with parallel struts. Weaponry included up to 7 x 7.7mm Lewis machine guns on flexible mountings. The H-16 could carry a bomb load of up to 460lbs.