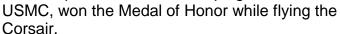**Model Number :** O2U
Model Name : Corsair
Model Type: Scout/Observation

The Navy issued specifications in 1925 for a rugged new observation airplane. Chance Vought Corporation submitted plans that won a contract for two prototypes. Nicknamed the "Corsair," it was the first service airplane designed around the new Pratt & Whitney Aircraft "Wasp," air-cooled engine. The Wasp, rated initially at 410-hp, was the first reliable air-cooled radial to match the power of the existing water-cooled Liberty and Curtiss Hispano engines. The Vought Corsair, eventually proved to be one of the most useful and versatile military airplanes ever produced. The new biplane, designated by the Navy as the O2U-1, proved to be all that was desired, and more. This new Vought airplane was one of the first to have an all-steel-tube fuselage. Features of the earlier Vought designs which were retained included the cheek tank and the method of fuselage streamlining. First delivered in 1926, the new Corsair, although dubbed an observation machine, quickly proved itself equally adroit in many roles. Convertible to either fixed gear, amphibian, or float-plane, it won immediate favor with the fleet and resulted in numerous government contracts for additional deliveries. In short order, the Corsair set four world altitude and speed records and gained such international prominence that foreign governments began placing orders.

With deliveries beginning in December 1927, the O2U Corsair went into immediate service with the Navy and the Marine Corps. In the 1928 Nicaraguan campaign, Marine Corsairs earned further distinctions by being the first planes ever to conduct an unsupported attack against fortified positions. Attacking a force of 1,500 rebels, four Corsairs began low-level strafing and light bombing against well armed positions. In this campaign, Lt. Frank Schilt, USMC, won the Medal of Honor while flying the Corsair.

Using the new Pratt & Whitney 425-hp, air-cooled engine, the Corsair's tactical flexibility rapidly earned it the reputation as a jack-of-all-trades. They could be flown on wheels from an aircraft carrier as a defensive fighter, catapulted as an amphibian from battleships and cruisers, and land on carriers for re-servicing. For strictly water use, the amphibian landing wheels that Chance Vought designed could easily be removed and stored.

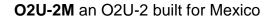|	Landplane	Seaplane
Dimensions		
Wingspan	34.50 ft	34.50 ft
Overall Langth	24.67 ft	28.50 ft
Height	10.04 ft	11.42 ft
Weights and Capacities		
Empty Weight	2342 lb	2390 lb
Gross Weight	3635 lb	3683 lb
Useful Load		
Fuel Capacity	90.00 gal	90.00 gal
Oil Capacity	6.5 gal	6.5 gal
Powerplant Characteristics		
Type: Pratt & Whitney "Wasp" R-1340-88, 9 cylinder, radial engine		
Rating	425 hp @ 1950 rpm @ SL	425 hp @ 1950 rpm @ SL
Displacement	1340 in^3	1340 in^3
Weight	725.0 lb	725.0 lb
Size (length X diameter)	42.6 in X 51.5 in	42.6 in X 51.5 in
Performance		
Maximum Speed, Sea Level	151 mph	147 mph
Landing Speed, Sea Leavel	48 mph	50 mph
Stall Speed, Sea Level		
Initial Rate-of-Climb	2100 ft/min	1900 ft/min
Climb in 10 minutes	13900 ft	12000 ft
Range at Cruise Speed	580 miles	520 miles
Service Ceiling	22500 ft	21000 ft
Absolute Ceiling	24500 ft	22900 ft
Crew: 2		
Armament: 2 fixed Browning machine guns mounted on top center section 2 Lewis guns flex-mounted over rear cockpit Bomb rack internal supports on bottom wing		

Model Number : O2U
Model Name : Corsair
Model Type: Scout/

O2U-1 two prototypes and 130 production aircraft with interchangeable wheel/float landing gear, Pratt & Whitney 336-kW (450-hp) R-1340-88 Wasp engine. Had one forward-firing and two 7.62- mm (0.3-in) machine-guns on trainable mount in rear cockpit.

O2U-2: version with increased-span upper wing and wing refinements, larger rudder and R-1340-B engine; 37 were built, 31 for U.S. Navy, and 6 for the U.S. Coast Guard .

O2U-2M an O2U-2 built for Mexico

O2U-3 an O2U-2 with revised wing rigging, redesigned tail surfaces and R-1340-C engine; 80 were built.

O2U-3SD an O2U-3 built for Santo Domingo

O2U-4 an O2U-3 but with changes of equipment; 42 were built.