



FAIRCHILD'S HISTORICAL SEAPLANE

Dimensions: Span, 56 ft.; Length, 42 ft. 8 in.; Height, 14 ft. 8 in.

Areas: Wing, 483 sq. ft.

Weights: Empty, 6,596 lb.; Loaded, 10,500 lb.

Loadings: Wing, 21.9 lb./sq. ft.; Power, 15 lb./hp.

Performance: (Pratt & Whitney version)—Maximum level speed, 166 mph at 2,500 ft.; Cruise speed, 150 mph at 2,500 ft.; Rate of climb, 840 fpm; Service ceiling, 15,600 ft.; Range at cruise speed, 665 miles. (Wright Cyclone version)—Maximum level speed, 172 mph at 5,600 ft.; Cruise range, 700 miles; Service ceiling, 16,800 ft.

Construction: Wings—All metal structure in three main sections comprised of the center section and two outer panels. Main spars and ribs of metal construction with portions of the wing being fabric covered. Split trailing edge flaps between ailerons and fuselage/hull. Ailerons are fabric covered.

Hull—All metal stressed skin construction with two steps. Vee planing bottom and curved side and decking. Entrance is through a hatch in the decking to port side of hull aft of the trailing edge of the wing.

Tail group—All metal cantilever with stressed skin fin and tailplane and fabric covered movable surfaces. Trim tab in elevators rudders. Undercarriage-landing wheels retract sideways into wells in the wing and are operated by actuating struts from the side of the hull. Single main oleoneumatic shock-absorbing leg attached to the wheel through a half fork. Retractable tailwheel. Wing tip floats (some models) retract inwards into the wings but fit with float exposed, only the strut being enclosed.

Power—Pratt and Whitney 650 hp engine or Wright Cyclone 760 hp engine.

Propeller—Hamilton Standard three blade constant speed, counter-weight.