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Seaplanes

Lake Aircraft

Turbo 250 and 270 Renegade



Lake Turbo 270 Renegade, photo used with permission from G.R. Hamilton's 'Flying Boats for Recreation'

Specifications:

Source: G.R. Hamilton

(Parentheses for Turbo Renegade if different from normal Renegade)

Engine: Lycoming IO-540-C4B5 (Lycoming TIO-540-AA1AD)

Horsepower/RPM: 250/2575 @ Sea level (270/2575 @ Sea level)

Propeller: Hartzell 76" Q-Tip, Two blade, Constant speed

Crew/Passengers: 1/3 or 5 (1/3)

Gross weight: 3,140 pounds

Empty weight: 975 pounds (2075-2,280 pounds)

Useful load: 1165 pounds (1065-860 pounds)

Wing span: 38.3 feet

Wing area: 164 square feet

Length: 28.3 feet

Height: 10 feet

Wing loading: 19.1 pounds per square foot

Fuel Capacity: 76-81 US gallons

1996 average FMV: \$148,000 (\$230,000)

1997 new price: \$403,800 (\$442,200)

Performance:

Source: G.R. Hamilton

(Parentheses for Turbo Renegade if different from normal Renegade)

T.O. run on land: 580 feet

T.O. run on water: 1,250 feet

Landing run on land: 475 feet

Landing run on water: 600 feet

Landing run on water: 600 feet

Maximum cruising speed at 20,000': (178 miles per hour)

High speed cruise at 8,000': 138 miles per hour

Long rang cruise: 115 miles per hour

Stalling speed with flaps: 49 miles per hour

Rate of climb: 780 feet per minute (900 fpm)

Cruising range: 1,050 miles (1,120 miles)

Fuel consumption: 12.8 gallons per hour (15.6 gph)

Optimum cruise altitude: 8,000 feet (20,000 feet)

Service ceiling: 14,700 feet (23,800' but certified to 20,000')

Comments:

All specifications were provided by G.R. Hamilton and have not been verified by SPA.

The following is an excerpt from the late G.R. Hamilton's book, Flying Boats for Recreation. Republished with permission, copyright 1997 G.R. Hamilton, all rights reserved. Special thanks to G.R. Hamilton.

The Renegade physically resembles the LA-4 Lake of which it is a 3.9 foot longer direct descendent. It has a cabin length of 10' 4", a width of 41" a height of 43" and three cabin doors. Wheel track is 11' 2".

Flight Characteristics

The Renegade is a delight to fly off land or water and its flight characteristics resemble that of a LA-4 200EP if it had more power. Like its shorter Lake predecessors, it is important to maintain the center-of-gravity of a Renegade within limits but it has built-in provisions for switching nose and tail ballast. The Renegade requires this ballast to be changed to remain within CG limits under some load and fuel conditions.

There were 11 LA-250 accidents in the U.S. during a recent six year period.

The care and feeding of the Lake Renegade

The Lycoming IO-540 is a 2000 hour TBO (Time Between Overhaul) engine. Though the production line is slow the Renegade is the only flying boat currently in production in the United States. Parts and servicing are readily available from the Lake organization. Corporate Headquarters for Lake aircraft is 606 N. Dyer Blvd. Kissimmee Airport, Kissimmee, FL. 347714, Phone 407/847-9000, FAX 407/847-4516

 
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