

AEROPILOT LTD LEGEND 600 Model Guide

The AEROPILOT LTD LEGEND 600 is a two-seat, strut high-wing monoplane of all-composite structure. It is built for sport, recreational or tourist flying and is described as suitable for flight training. It has a Rotax 912 ULS 100HP engine, a factory-installed ballistic rescue system, and a maximum take-off weight of 1320 lbs. Its maintenance manual says it meets Light Sport Aircraft airworthiness standards only.

KEY TAKEAWAYS

- Two seats, all-composite airframe, Kevlar cabin, four-point harnesses and a ballistic parachute rescue system.
- Rotax 912 ULS 100HP, 33 gal (130L) fuel, 1320 lbs maximum take-off weight, 739 lbs typical empty weight.
- Inspections are due at 25 hours (warranty), then every 50, 100, 300 and 1000 hours, plus annually.
- Many items in the maintenance manual are marked TBD, so get the aircraft's own paperwork before buying.

AIRFRAME, ENGINE AND EQUIPMENT

Wing span is 29.84 feet, length 23.13 feet and height 9.59 feet. The gear is a tricycle with a steerable nose wheel and hydraulic disc brakes on the main wheels. The Rotax 912 ULS is a four-stroke, four-cylinder engine of 1400ccm. It drives a Woodcomp 'Klassic' ground-adjustable propeller. Fuel can be MOGAS (91 octane minimum) or 100LL AVGAS.

INSPECTIONS AND SERVICING

The warranty inspection is after the first 25 hours. Further inspections are every 50, 100 and 300 hours. The 100-hour inspection is also due annually, every 12 months. The 1000-hour inspection assesses further operating capability and is also due 5 years from manufacture. Use motorcycle oil with API SF or SG classification and gear additives. Do not use aircraft engine oil or oils with friction modifiers. Tyre pressure is 33 psi.

DOCUMENTATION TO VERIFY

The maintenance manual is for serial number 1531 and leaves several entries as TBD: instrument serial numbers, the general safety section, and parts of the weight and balance procedure. The only flight and operating manual supplied is for a LEGEND 540, serial 1203. It gives no verified LEGEND 600 performance data, so ask the seller for the 600's own flight manual.

SPECIFICATIONS

Wing Span Ft	29.84
Length Ft	23.13
Height Ft	9.59
Empty Weight Lbs	739
Max Takeoff Weight Lbs	1320
Fuel Capacity Gal	33
Engine Power Hp	100
Tire Pressure Psi	33

PERFORMANCE

Takeoff Power Hp	98.99
Max Cruise Power Hp	93.81
Rescue System Max Activation Speed Kt	170

WEIGHT & BALANCE

Max Gross Weight Lbs	1320
Typical Empty Weight Lbs	739
Forward Cg Limit Percent Mac	21.6
Aft Cg Limit Percent Mac	35.6

SAFETY NOTES

- Contact the manufacturer before any modification. Any change affecting weight needs re-weighing and a new centre of gravity (CG) determination.
- Engine repairs, and deep fuselage damage repairs, may only be done at the manufacturer's service facility.
- Keep the CG between 21.6% and 35.6% of mean aerodynamic chord (MAC). Do not exceed 1320 lbs.