

1.5. DIMENSIONS

1.5.1 Overall Dimensions

Span:	35 ft 7 in (10.84 m)
Length:	23 ft 6.0 in (7.17 m)
Height:	6 ft 11.0 in (2.10m)

1.5.2 Wing

Airfoil:	Wortmann FX 63-137/20 HOAC
Wing Area:	125 sq.ft. (11.6 m ²)
Mean Aerodynamic Chord (MAC):	3 ft 6.9 in (1.09 m)
Aspect Ratio:	10.0
Dihedral:	+4° nominal
Sweep of Leading Edge:	+1° nominal

1.5.3 Horizontal Stabilizer

Angle of Incidence :	-2.5° ±0.5°
Span:	8 ft 8 in (2.65 m)

1.5.4 Landing Gear

Track:	6 ft 3 in (1.90 m)
Wheel Base:	5 ft 9 in (1.75 m)
Tire Size:	Nose: 4.00-4 (TOST) 5.00-4 (GOODYEAR)
	Main:* 15 x 6.00-5 (GOODYEAR) or 5.00 x 5, 6 Ply (TSO C62)
Tire Pressure:	Nose: 26 psi (1.8 bar) Main: 33 psi (2.3 bar)

* Main tires must be same brand, model and size.

1.6. ENGINE

Rotax 912S, 4 Cylinder, 4 Stroke-Engine, horizontally opposed, liquid cooled cylinder heads, air-cooled cylinders.

Propeller drive via integrated reduction gear.

Reduction Ratio:	2.43 : 1
Displacement:	82.5 cu.in. (1.352 liters)
Output Power:	100 hp (73.5 kW)
at	2385 RPM

1.7. PROPELLER

Two-bladed variable pitch propeller, model HO-V352F/170FQ **OR**
manufactured by HOFFMANN, model HO-V352F/C170FQ
Constant speed, hydraulic pitch control

Range of Pitch Angle:	10° - 35°
Diameter:	5 ft 6.9 in (1.70 m)