

1.4 Airframe

The airframe is constructed of 6061T6 aluminium alloy. Hard points are 2024T-3 aluminium alloy and of 4130 chromoly steel. The nose bowl and trim are of fibreglass.

The fuselage is a monocoque structure. Access to the cabin is through two upward opening doors.

1.5 Engine

The following engines are approved for installation in the BUSHCADDY SPORT

- i) Rotax 912 ULS – 100 hp
- ii) Rotax 912 UL – 80 hp
- iii) Rotax 914 – 115 hp
- iv) Jabiru 3300 - 120 hp

Standard engine for the BUSHCADDY SPORT is the ROTAX-BOMBARDIER 912 ULS 4 stroke, 4 cylinder engine - liquid/air cooled.

1.6 Propeller

The BUSHCADDY SPORT is fitted with a ground adjustable propeller. The hub is of aircraft grade aluminium alloy.

1.7 Fuel and Fuel Capacity

Fuel is stored in two 10-IMPERIAL (12 US) gallon tanks installed in the wings, gravity fed to the engine, which is equipped with a mechanical pump.

May 2009

manoeuvres are
ded a 60-degree

mph
ph

F/ 230 - 265° F
F
0° F

rpm
rpm
0 rpm
0 rpm

2ULS

SECTION 4

PERFORMANCE (Standard Air Conditions) 80 hp Engine

Take off Roll at gross paved runway	266 ft
Take off Roll at gross Short Grass runway	282 ft
Take off Roll at gross Tall Grass field	300 ft
Take off Roll at gross Soft field	305 ft
Take off Roll – 50 ft. obstacle	300 ft
Landing Roll	400 ft
Landing Roll – 50 ft obstacle	520 ft
Best Rate of Climb	60 mph
Best Angle of Climb	55 mph
Cruise 75% power	85 mph
Gliding Ratio – 60 mph.	12: 1
Take off RPM	5800 RPM
Fuel Consumption	4 gal US/hr
Range (450 statute miles)	5.3 hours

NOTE: These performance figures are specific to the Rotax 100 hp Engine, and may vary according to equipment installed, loading and engine installation. Please refer to the Appendix for alternative performance data specific to the optional engine installation of your model.