

Specifications for the Phantom X1

Power Plant: Rotax 503 37 kW (50 hp), inline 2-cylinder, two-stroke aircraft engine, with gear drive and dual Bing carburetors.

Propeller: Adjustable Warp Drive ~ 68"

Length: 16' 6"

Wing Span: 28' 6"

Wing Covering: Double surface

Condition Wing Sails: Wings have been stored inside and have minor hanger rash

Wing Area: 142 Sq. Ft.

Root Chord: 5' 4"

Wing Loading: 14.57 lb./hp

Empty Weight: 250 Lbs.

Gross Weight: 510 Lbs.

Useful Load: 260 Lbs.

Fuel Capacity/ Tank: 7 gals. Aluminum tank with fuel gauge and electric fuel pump.

Performance Characteristics: (All figures are based on a standard day, standard atmospheric at sea level and gross weight unless noted)

Takeoff Distance: 100 ft. (pavement), 150 f. (grass)

Rate of Climb: 800 fpm.

Cruise Speed/ Range/ fuel consumption: (65% power, 3000 ft.) 50 – 55 mph., 145 Statute miles, 1.8 gph.

Service Ceiling: 14,500 Msl.

Landing Distance ground roll: 150 ft. (pavement), 100 ft. (grass)

Glide Ration/ Sink Rate (power off): 7:1/ 490 fpm.

Top Speed: 61 mph.

Stall Speed: 26 mph.

Vne (never exceed speed): 100 mph.

Specifications for the Phantom X1

Gauges

Fuel

Dual EGT

Vertical Speed

Air speed

Altitude

RPM

Dual CHT

Water temp.

Main Features

Upgraded landing gear

Upgraded 8.00 X 6 main wheels and tires with 5.00 – 5 nose wheel.

BRS-5 Model 750 ballistic chute (needs repacking)

Extended fork

Trim tab.

Dual wheel band brakes