

# Sherwood Ranger

## Carrying on a Timeless Tradition

Does the classic biplane inspire you to fly, but the cost of flying such a beast bring you down to earth with a bump? Then the Sherwood Ranger is the aircraft for you. A Sporting biplane which offers an open cockpit adventure like no other. The Sherwood ranger represents the essence of true aviation. The wind in the wires and beat of the engine brings back the thrill and sense of adventure of the glory days of aviation. In those golden days of open cockpits the pilot could feel at one with their machine, heeding the song of the wind in the wires and feeling the aircraft talk to them. Open cockpits are the domain of the true aviation enthusiast.



The Sherwood Ranger offers day VFR flight capability and STOL performance from hard, grass and unprepared strips. Its rugged and durable fuselage crafted in Norfolk from aircraft grade aluminium tube and steel provides its occupants with a high level of comfort and safety. The traditional tailwheel undercarriage deals with the rigors of less than perfect runways, whilst its steerable tailwheel and differential brakes providing superb ground handling.

The Sherwood Ranger flight controls are without doubt a benchmark in the industry. Whilst conventional in layout their balanced design combination of rudder and aileron coupled with the powerful elevator offer handling and precision second to none. Powered by modern aircraft engines from 65 to 100hp the performance and economy can be selected to meet your mission requirements.



**Made with Pride in the UK**



# Sherwood Ranger

Variant	ST	ST Ballistic	XP	XP Aero
Wingspan	7.92 m, 26'		7.0 m, 23'	
Wing Area	15.6 m sq, 168 ft sq		14 m sq, 140 ft sq	
Load Factors (Limit)	+4g -2g			+6g -4g
Max Take-off Weight	450 kg, 990lb	472.5 kg, 1039lb	450 kg, 990lb	
Payload From	215 kg, 473 lb	255 kg, 561 lb	215 kg, 473 lb	
Length Wings Folded	6m, 19' 8"			
Wing Loading	28.8 m sq	30.2 m sq	32.1 m sq	32.1 m sq
Stall Speed	34 kt, 39 mph		36 kt, 42 mph	
VNE	100 mph, 160 kph, 87 kt			

Engine	Rotax 582	D Motor	Jabiru
Fuel Burn / hr (Typical)	17 ltr	12 ltr	14 ltr
Empty Weight (Typical)	215 kg	250 kg	255 kg
Take-off Roll	100 m, 328 ft	100 m, 328 ft	100 m, 328 ft
Power to Weight Ratio	6.9 kg / hp	4.6 kg / hp	5.3 kg / hp
Landing Roll	100 m, 328 ft	100 m, 328 ft	100 m, 328 ft
Fuel Capacity (Usable)	40 ltr	40 ltr	40 ltr
Eco Cruise Speed	65 mph	65 mph	65 mph
Max Level Speed	80 mph	90 mph	90 mph

Length	6.1 m, 20'
Height (Max)	2.24 m, 7' 5"
Wing Chord	1 m, 39"
Dihedral (Lower wing)	3.0 degrees
Sweep back	3.8 degrees
Aspect Ratio	7.92 / 1
Width (Wings Folded)	2.32 m, 7' 7"
Height (Top of Wing)	2.24 m, 7' 4"
Height (Top of Rudder)	1.62 m, 5' 4"
Elevator Span	2.3 m, 7' 6"
Ailerons	4
Seats	2
Empty Weight (582)	215 kg, 473 lb
Fuel Capacity	40 ltr, 8.8 imp gal
Wheel Track	1.34 m, 4' 5"
Wheel Base	3.65 m, 12'
Main Wheels dia	6"
Tailwheel	20 cm, 8" p.proof
Brakes	Cable op. drum
Tyres (Standard)	15 x 6 -6
Tyres (Optional)	8.00 x 6 Tundra
Cabin Width	62 cm, 24.5"

## Avionics and Electrical (Typical factory build)

Instrument panel rear cockpit "Winter" ASI, Alt, slip ball, compass, MGL multi function engine Instrument, fuel gauge, switches and circuit breakers.

Front cockpit instrument panel (optional) "Winter" ASI, Alt, slip ball

## Firewall Forward - Engine Options

D Motor 2.7 litre 95hp water cooled flat four multipoint fuel injected side valve engine, stainless steel exhaust system, proprietary ECU and data logging system

Jabiru 2200 85hp 4 cylinder overhead valve air-cooled carburetted and self sustaining ignition and stainless steel exhaust system, 200 watt generator 1.1kw starter

Rotax 582 65hp 2 cylinder water cooled 2 stroke, oil injected, electric start, dual ignition

## Optional Extras

Some of the options available include custom leather upholstery package including headrest pad, three styles of performance 4 point harnesses, high performance period 2 blade wooden prop with protected leading edge, bespoke Andair fuel control system, proprietary light weight spinner assembly

## Covering - ORATEX 600

The revolutionary German aircraft covering system. It needs no paint, comes in different colours and can be painted with Oracolor for a long lasting crack-free finish.



## The Light Aircraft Company Ltd.

Hanger 4 Little Snoring Airfield, Little Snoring, Norfolk NR21 0JL . UK

www.g-tlac.com Tel +44 1328 878809 Tel 2 +44 1328 878004 E Mail sales@g-tlac.com