

## **Specifications & performance:**

<b>SPECIFICATIONS</b>	<b>SI</b>	<b>In-lbs</b>
Wing span	9.87 m	32ft - 4in
Length	6.16 m	20ft - 2in
Wing area - wood	13.3 m <sup>2</sup>	143 sq.ft
Wing area - aluminum	13.4 m <sup>2</sup>	144 sq.ft
Aspect ratio	7.3	7.3
Empty weight	340 kg	750 lb
Gross weight - wood wing*	570 kg	1250 lb
Gross weight - metal wing	650 kg	1430 lb
Fuel tanks	54 L	14 GAL
Engine	80-120 HP	80-120 HP
Rate of climb (80HP)	4.5 m/s	900 fpm
VC : Design Cruise speed	90 kts	100 mph
VS : Maximum stall speed at maximum take off weight – FLAPS UP	40 kts	45 mph
VSO : Maximum stall speed at maximum take off weight – FLAPS DOWN	34 kts	38 mph
VNE : Never exceed speed	110 kts	124 mph

*\*under approval for 650 kg – inquire for new plans*

### **LIMIT LOAD FACTORS :**

Flaps up:       Positive +4 g  
                    Negative -2 g

Flaps down:    Positive +2 g  
                    Negative 0 g

Design ultimate factor of safety: 1.5 times limit loads

**CENTER OF GRAVITY LIMITS:**       18 % - 28 % wing chord