

## STEMME S12 and S12-SW TECHNICAL DATA

### ENGINE

- Turbocharged ROTAX 914 F Turbo
- Maximum take-off power (MTO): 115 hp (5' max)
- Maximum continuous power (MCP): 100 hp
- Time between overhaul (TBO): 2,000 hrs or 15 years
- Fuel grade: min. RON95

### DIMENSIONS

- Length: 27,6 ft 8,42 m
- Height: 5,74 ft 1,75 m
- Wing span: 82,02 ft 25,0 m
- Wing span folded: 71,2 ft \* 21,7 m \*
- Wing area: 37,4 ft 11,4 m
- Wing area: 214,74 sq ft 19,95 m<sup>2</sup>
- Wing area: 200,20 sq ft \* 18,60 m<sup>2</sup> \*

### WEIGHTS & CAPACITIES

- Maximum take-off mass (MTOM): 1,984 lb 900 kg
- Maximum useful load: 451 lb 205 kg
- Number of seats: 2
- Tank capacity: 2 x 15,85 US gal 2 x 60 l

### PERFORMANCE

- Maximum speed (V<sub>NE</sub>): 145 kts 270 km/h
- Maximum cruise speed @ MSL: 121 kts 225 km/h
- Maximum cruise speed @ FL100: 140 kts 260 km/h
- Maximum range: 950 nm 1.759 km
- Climb rate @ MTOM: 645 ft/min 3,28 m/s
- Service ceiling: 30,000 ft 9,140 m
- Glide ratio @ 57 kts: 1:53
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- Permissible loads: +5.3 g / -2.65 g

### TAKE-OFF & LANDING DISTANCES (MSL, ISA, MTOM) @ MTO

- Take-off run: 695 ft 212 m

- Take-off distance: 1,315 ft 401 m

Data shown with \* relates to S12-SW model with 21,7m wing span.