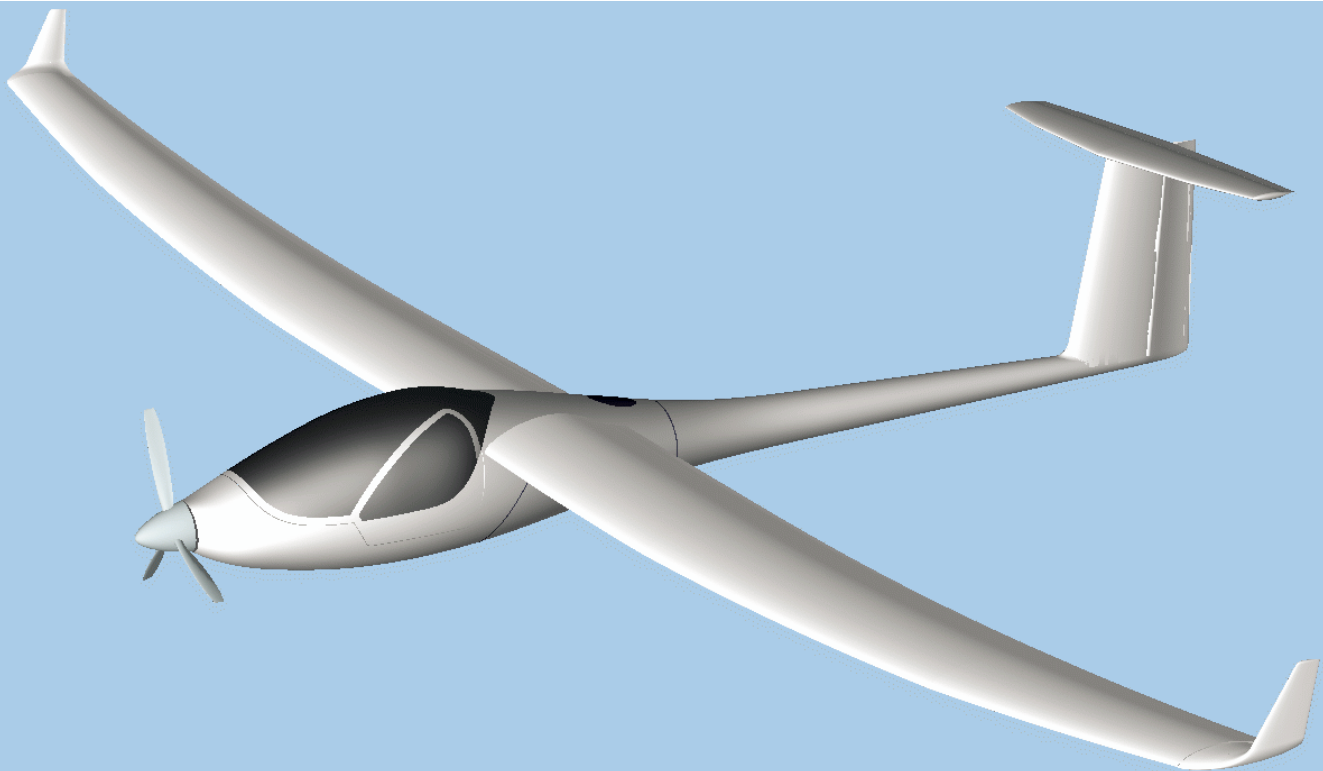
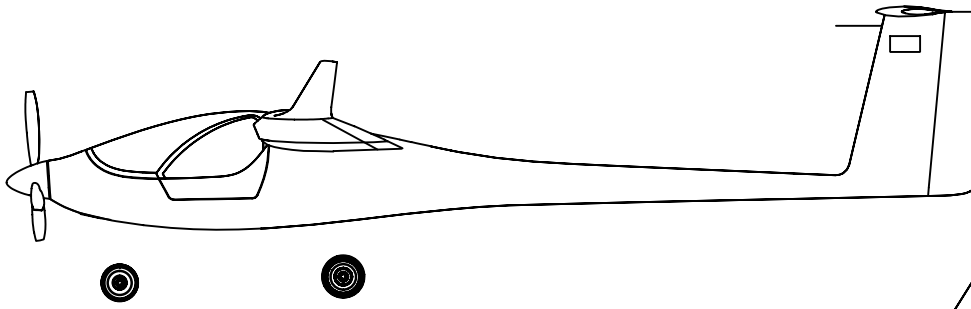


STEMME

STEMME S8

the touring motor glider



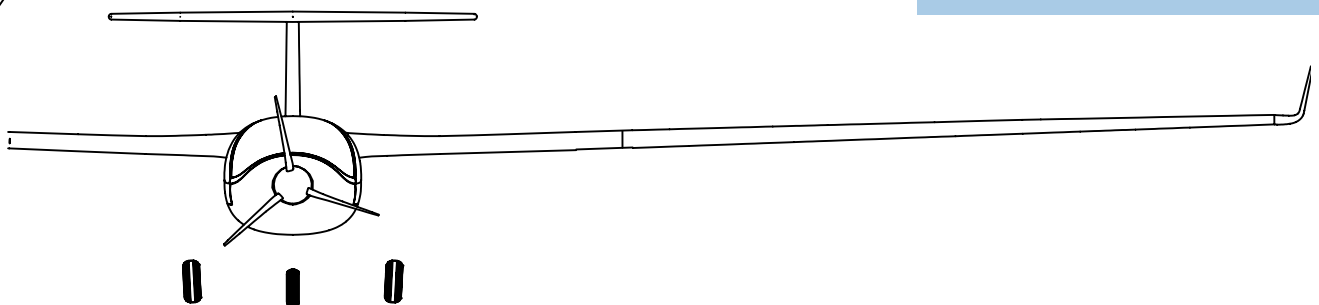
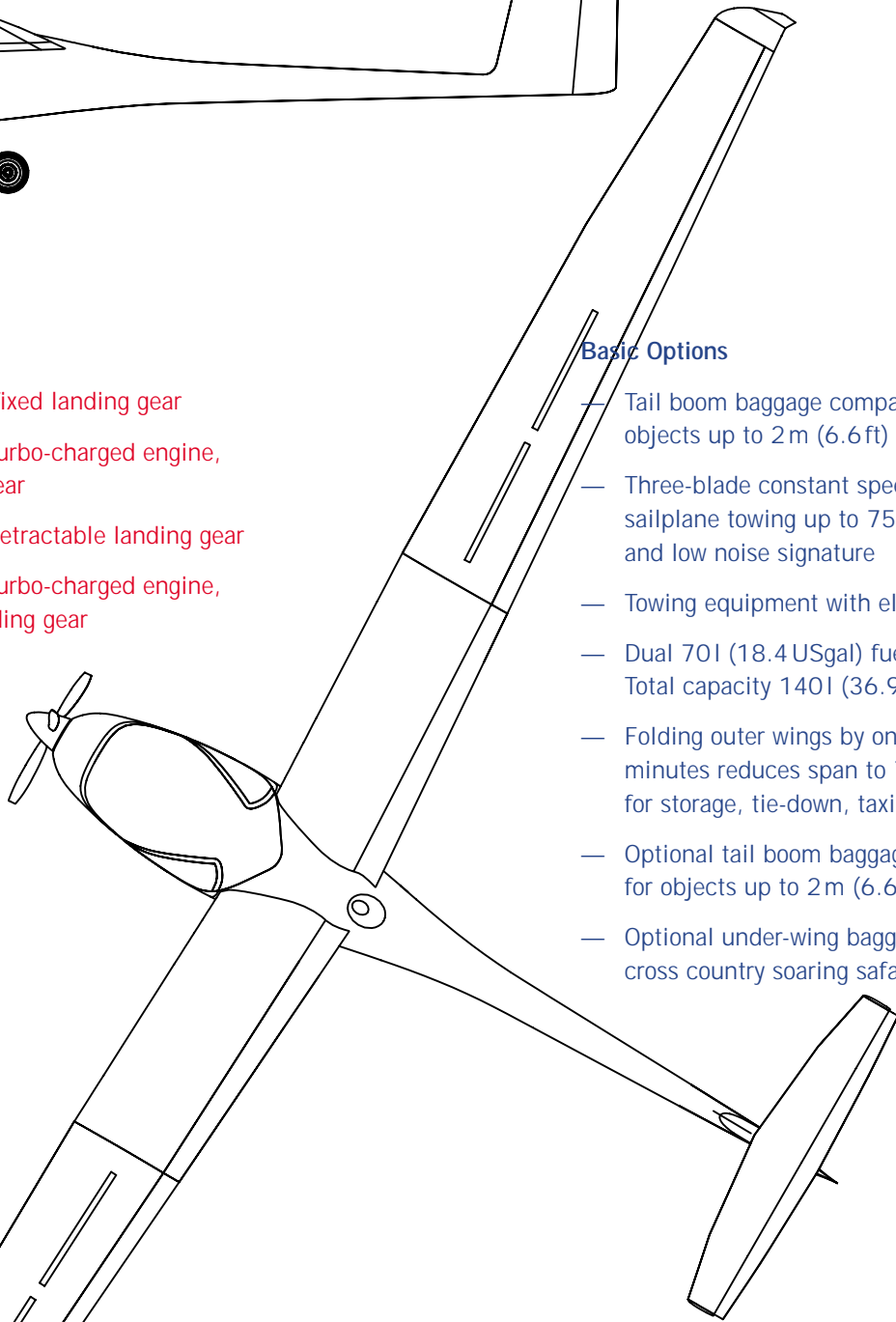


Models

- S8 100hp MTO, fixed landing gear
- S8T 115hp MTO turbo-charged engine, fixed landing gear
- S8R 100hp MTO, retractable landing gear
- S8RT 115hp MTO turbo-charged engine, retractable landing gear

Basic Options

- Tail boom baggage compartment for objects up to 2m (6.6ft) long
- Three-blade constant speed propeller for sailplane towing up to 750kg (1,653lbs) and low noise signature
- Towing equipment with electrical winch
- Dual 70l (18.4USgal) fuel tank / Total capacity 140l (36.9USgal)
- Folding outer wings by one person in five minutes reduces span to 7.2m (23.6ft) for storage, tie-down, taxi and maintenance
- Optional tail boom baggage compartment for objects up to 2m (6.6ft) long
- Optional under-wing baggage pods for cross country soaring safari flight



STEMME S8 the touring motor glider

State-of-the-art motor glider for power-plane pilots

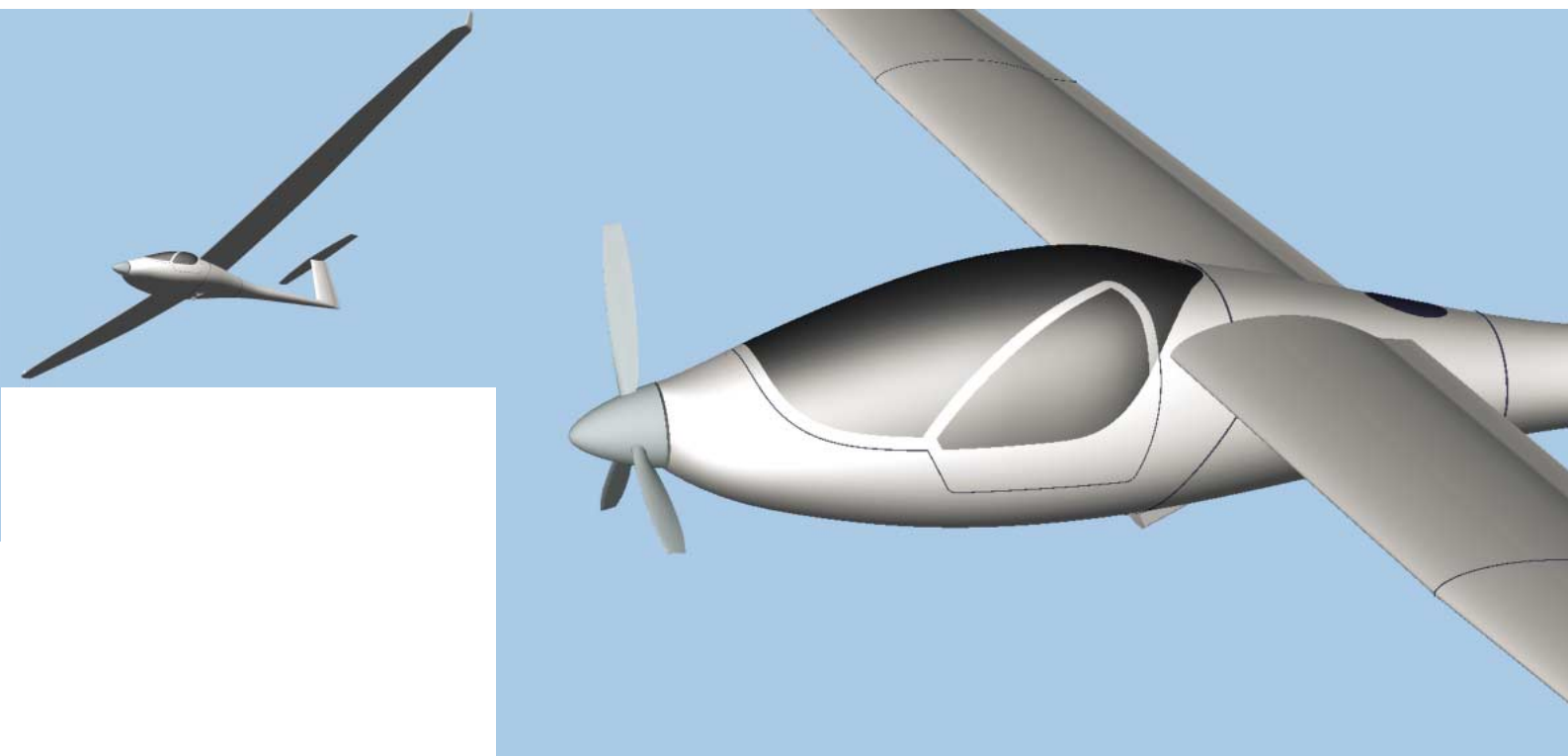
- Cruise speed 280km/h with retractable landing gear (263 km/h, fixed landing gear) resp. 315 km/h (170kts) TAS with turbo charger.
- Fuel burn rate a mere 13l/h (3.4 gph) at 185 km/h (100kts).
- Maximum range of 2,300km (1,242NM).
- Approved for MOGAS.
- Maximum payload of 253kg (558 lbs) with retractable landing gear, 256 kg (563 lbs) with fixed landing gear.

Unique cockpit for comfortable touring

- Dual cockpit doors provide pilot and passenger easy entrance from standing position in front of wing.
- Additional cockpit volume and dual doors combine to provide easy entry to and exit from upright power plane-like seated position. Higher canopy overhead and spacious cockpit, with armrest console between pilots is appealing to pilots and non-pilots alike.
- Adjustable pedals and seat backs yield comfortable ergonomics for 1.6 to 2.0m (5.2–6.5 in) and a cockpit nearly 1.2m (48 in) wide... a comfortable traveling environment for even the longest flights.

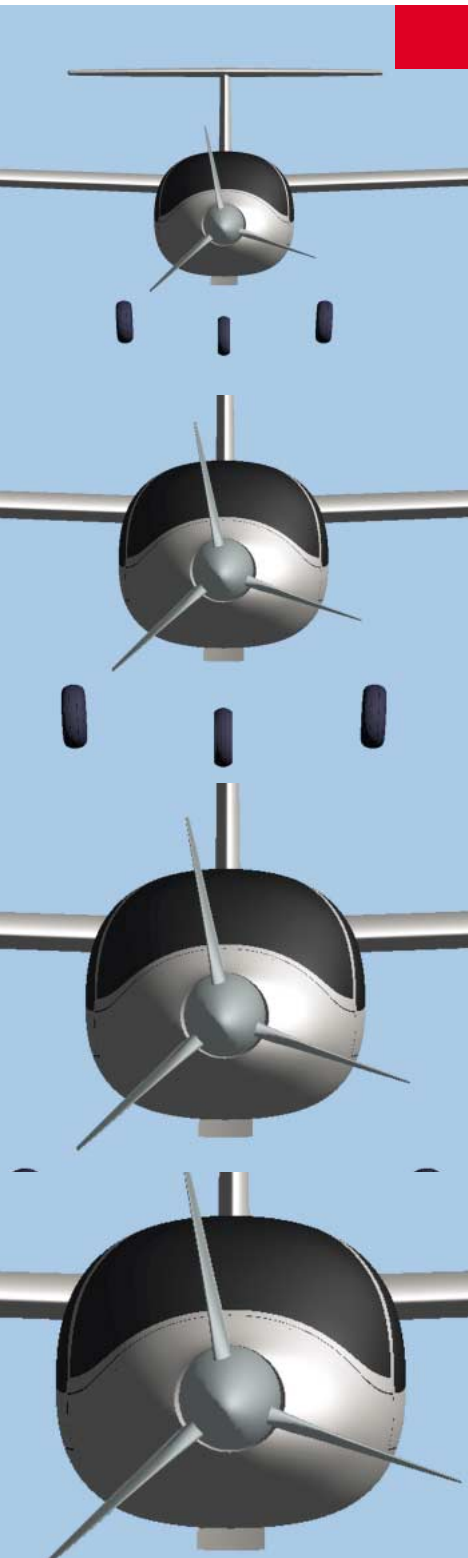
Soaring performance that inspires power plane pilots to soar

- Standard feathering propeller and lack of frontal engine cooling intakes minimize drag while soaring.
- Best glide ratio of 38:1 with retractable landing gear (32:1 with fixed landing gear).
- Positive and negative flap settings and moderate wing loading result in soaring performance superior to any other motorglider in its class and sufficient for true cross country soaring.



Technical data S8 the touring motor glider

see also STEMME innovations



	S8	S8RT
max. take-off weight (MTOW)	850kg (1,847 lbs)	850kg (1,874 lbs)
empty weight	594kg (1,307 lbs)	610kg (1,342 lbs)
total payload	256kg (647 lbs)	240kg (528 lbs)
Bombardier-Rotax engine 4 cyl. 4 stroke	912 S	914 F
MTOP	73.5kW (100hp)	84.5kW (115hp)
MCP	69.0kW (94hp)	73.5kW (100hp)
fuel capacity standard	70l (18.4 USgal)	70l (18.4 USgal)
fuel capacity long range	140l (36.9 USgal)	140l (36.9 USgal)
wing span	18.0m (59ft)	18.0m (59ft)
wing span folded	7.2m (23.6ft)	7.2m (23.6ft)
aspect ratio	18.60	18.60
length	8.52m (28ft)	8.52m (28ft)
height	2.45m (8ft)	2.45m (8ft)
landing gear: tricycle type, steering nose gear		
	fixed	retractable
main wheel	380x150mm (15x5.9 in)	380x150mm (15x5.9 in)
nose wheel	300x100mm (11.8x3.9 in)	300x100mm (11.8x3.9 in)
wheel track	2.0m (6.6 ft)	2.0m (6.6 ft)
wheel base	2.0m (6.6 ft)	2.0m (6.6 ft)
glide ratio	32:1	38:1
airspeed of best glide ratio	117 km/h (63 kts)	123 km/h (66 kts)
min. sink rate (empty weight + 70 kg)	0.86 m/s (169 ft/min)	0.74 m/s (146 ft/min)
min. wing loading (empty weight + 70 kg)	38.1 kg/m ² (7.8 lbs/ft ²)	39 kg/m ² (8 lbs/ft ²)
max. wing loading	48.8 kg/m ² (10 lbs/ft ²)	48.8 kg/m ² (10 lbs/ft ²)
max. rate of climb at MSL (with MTOW)	4.43 m/s (872 ft/min)	5.5 m/s (1,083 ft/min)
rate of climb at MCP (with MTOW)	4.13 m/s (813 ft/min)	4.8 m/s (945 ft/min)
cruising speed at MCP at MSL	263 km/h (142 kts)	280 km/h (151 kts)
cruising speed at 55% MCP at MSL	211 km/h (114 kts)	240 km/h (130 kts)
fuel consumption at MCP	25.0 l/h (6.5 USgal/h)	25.0 l/h (6.5 USgal/h)
fuel consumption at 55% MCP	14.5 l/h (3.8 USgal/h)	14.5 l/h (3.77 USgal/h)
range at 55% MCP at MSL, long range version	2,037 km (1,100 NM)	2,300 km (1,242 NM)

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S8