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Aircraft Profile

Manufacturer	Stemme GmbH / Germany	Model	Twin Voyager	S12
			Sky Cruiser	S12 SW
			Grand Tourer	S12 G
			S15	*(Surveillance)*

Condition	new	Price	please inquire
Availability	please inquire	Excl. Dealer	NeBeSci Inc. – Philippines

Features
- modern, state-of-the-art, high-performance motor glider with a seating capacity for two
- fully composite fibre aircraft
- stable to crosswinds (up to 16 kt)
- high degree of manoeuvrability due to effective ailerons along the entire wing length
- wing removal in less than one hour by 2 people
- transport via trailer

Performance Data

Glide ratio: *S12:* 1:53   *S 12 SW:* 1:50   *S 12 G:* 1:53
(x units horizontal descent equals to x units horizontal glide path, e.g. 1 m descent = 53 m glide path)
Cruise speed up to: 259 km/h (140 kt) TAS @ 10,000 ft
Climb rate: better than 3,28 m/s (645 ft/min)
Range of up to: 1,759 km (950 nm)

Powerplant   ROTAX 914 F2/S1 Turbo

MTOP:	84,5 kw	MCP:	73,4 kw
Fuel:	(centre wing):		120 l (31.7 US gal)
Fuel Consumption:	(at 55% MCP)		13 l/h (3.4 US gal/h)

Propeller
- foldable, variable pitch propeller—disappears completely in the propeller dome
- to start the propeller, the dome slides out and the blades unfold
- it takes 5 seconds to convert from glide mode to engine mode and vice versa

Cockpit   side-by-side seating, ideal for sharing workloads, using the same avionics
solid and safe one-piece canopy, enabling great panoramic views
centre-tunnel-fairing provides additional storage for notebooks, smartphones and other onboard utilities

NeBeSci, Inc.

Aircraft & Aeronautical Products & Services / Intl. Trading

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Electric   solar panels
LED lighting equipment, AVEO Starlet (ACL and position light integrated in winglets)
USB power outlet
2 separated electrical systems for engine and avionics, each supplied by a dedicated Lithium-Iron-
    Phosphate Battery
gooseneck microphone
external power supply receptacle for ground engine start

Airframe   retractable undercarriage
& Wings   2 × 60 l fuel tanks
winglets with Starlet LED lights
foldable wings
propeller dome (with integrated Collision Avoidance LED Stripe as optional)
luggage compartment (S12 SW)

Avionics

- disconnected autopilot mode provides direct, immediate and sensitive steering innovative electrical trim

Twin Voyage S 12	*Sky Cruiser S 12 SW*	*Grand Tourer S 12 G*
- Soaring Computer LX9070 with digital Variometer LXV8 (optional LXV80, Dynon EFIS-D10A, Dynon Autopilot) - Mode-S Transponder cl.1	- ADS-B Receiver with integrated FLARM - Soaring Computer LX8000 with Variometer V9 - integrated FLARM - Altimeter (barometric) 57 mm Ø - VHF-COM Becker 6201 with integrated Intercom - Mode-S Transponder cl.1 with ADS-B out - smaller instrument panel for more legroom	- Garmin G3X Touch 2 x 7" Displays - integrated digital Garmin Autopilot - integrated digital engine Monitoring - Soaring Computer LX9000 with digital Variometer LX V8 - ADS-B Receiver with integrated FLARM

Weights & Dimensions

	Twin Voyager S12	*Sky Cruiser S12 SW*	*Grand Tourer S12 G*
Glide ratio:	1:53	1:50	1:53
Length:	8.42 m (27.6 ft)	8.42 m (27.6 ft)	8.42 m (27.6 ft)
Height:	1.75 m (5.74 ft)	1.75 m (5.74 ft)	1.75 m (5.74 ft)
Wingspan:	25 m (82.02 ft)	21,7 m (71.19 ft)	25 m (82.02 ft)
Wingspan (folded):	11.4 m (37.40 ft)	11.4 m (37.40 ft)	11.4 m (37.40 ft)
Wing area:	19.95 m² (214.74 ft²)	18. 6 m² (200.21 ft²)	19.95 m² (214.74 ft²)
MTOM:	900 kg (1,984 lbs)	900 kg (1,984 lbs)	900 kg (1,984 lbs)

Interior   different interior colours and premium material options with low noise ambience
comfort seats for pilot and co-pilot (Leather available as optional)
tinted canopy
lockable windows
Baggage   separate baggage compartment integrated within the fuselage

S15

Crew:	1 pilot
Capacity:	1 passenger
Length:	8.52 m (27 ft 11 in)
Wingspan:	18 m (59 ft 1 in)
Height:	2.45 m (8 ft 0 in)
Wing area:	17.4 m2 (187 sq ft)
Max takeoff weight:	1,100 kg (2,425 lb)
Powerplant:	1 × Rotax 914 F2 , \ 84.5 kW (113.3 hp)
Propellers:	3-bladed Mühlbauer Type MTV-7-A / 170/051, 1.7 m (5 ft 7 in) diameter
Mission:	contact us for specific mission equipment layouts

For further assistance on civil S12 models and S15 mission aircraft,
contact the exclusive dealer in the Philippines: NeBeSci Inc. / Manila.