



Sinus 912 Touring Motorglider

Three aircraft in one

Thanks to dual flight controls and a choice of either tailwheel or nosewheel undercarriage you can use the Sinus as your primary gliding and powered-aircraft trainer!

Safety

Safety is our primary concern. This is why Sinus features the Safety Cockpit Concept. The entire cabin area is encased with energy absorbing structures made from Kevlar fibre, an amazing material which maintains the integrity of the cabin and makes it safe also in case of stronger impacts. Together with our special Safety Cockpit Concept the Sinus can also be equipped with the ballistic parachute rescue system, which saves the complete aircraft together with the crew in case of severe emergencies.

Engine rotax Rated power Propeller

ROTAX 912 UL2
80 hp at 5800 rpm
Pipistrel VARIO

VNE 225 km/h
Manoeuvring speed 141 km/h
Best climb speed 115 km/h
Max. climb rate 6,5 m/sec
Climb rate at 140 km/h 6,3 m/sec
Min. Sink speed 90 km/h
Min. sink* 1,03 m/sec
Max. sink with airbrakes 5,5 m/s
Best glide ratio speed 95 km/h
Best glide* 27:1
Glide at 150 km/h* 18:1
Take off run (450 kg) 88 m
Take off over 15 m 148 m
Service ceiling (450 kg) 8800 m
45° - 45° Roll time 4,2 sec
Fuel consum @ cruiss. speed 9,2 l/hour
Endurance (std tanks) 5,8 hours
Range distance (std tanks) 1200 km
Load factor permitted +4 g -2 g
Load factor tested +7,2 g -7,2 g

Sizes Wing span Length Height Wing area Aspect ratio Positive flaps Negative flaps

14,97 m
6,5 m
1,70
12,26 m²
18,3
9 deg, 18 deg
5 deg

Weights

Empty weight 285 kg
Empty weight light version 275 kg
Max weight (MTOW) 450kg/472.5Kg/550kg
Fuel tanks capacity 2 x 30 l/2 x 50 l

Performance

Stall with flaps 63 km/h
Stall without flaps 66 km/h
Cruising speed (75%) 200 km/h

* (prop. feather.)



SINUS 912



Taurus M
15-meter wingspan
Taurus Electro
15-meter wingspan



Apis/Bee
15-meter wingspan
13,5-meter
New FAI class ready



Sinus 912
15-meter wingspan



Virus 912
12,5-meter wingspan



Virus SW 80/100
10,7-meter wingspan



Panthera
Four seat fast cruiser

Robust and reliable

More than 300 of our aircraft fly on all six continents of the World in conditions that are sometimes difficult to imagine. All systems on board have withstood rigorous testing to ensure the aircraft performs at its best in hot or cold, wet or dry, low or high! Flight schools love the Sinus because of reliability, super-low operating costs and endless possibilities of flying. Best fuel efficiency and best range Sinus is simply the most efficient and economical light aircraft on the market! Given its super-low fuel consumption of less than 10 liters per hour (2.6 gph) at a high cruise speed of 200 km/h (110 kts), you can easily fly over 1000 kilometers (540 NM) already with standard 60 liter (16 gal.) fuel tanks. With optional long range (100 liters; 26 gal) fuel tanks your range with reserve goes beyond 1650 km (890 NM)!

Short field performance

Sinus was designed to go everywhere!

The adjustable-pitch propeller and overpowered engine provides for an extra short take-off run of less than 100 meters (330 ft). The landing can also be made virtually on a spot, thanks to highly efficient airbrakes and excellent slow flying characteristics. We are talking about true STOL performance here! With the Sinus you will never feel limited when choosing your destination.

Excellent gliding performance Sinus is a glider by soul. Sporting 15-meter wings and a glide ratio of 1:28 when the propeller is feathered, you can enjoy countless hours in thermals without burning a single drop of fuel. Clean aerodynamic lines and a perfect finish is what enables the Sinus to perform even better than a number of typical motorless gliders. And remember, you can always turn on the engine, when the weather is not in your favour.



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