

Pipistrel: the freedom of flight

The widest range of light sport aircraft in the world



## Simply Superior Three aircraft in one

SINUS912  
2001/2005  
World  
Champion



Sinus combines a true sense of a motorglider with extreme efficiency during powered and long-range cruise flights.

With the Sinus you can take off and land on very short runways, fly long distance cross-country and have fun gliding... all in the same aircraft!

Undercarriage  
nose wheel/tail  
wheel  
Large baggage  
compartment

Rotax 912 80HP  
Cruise 200kmh/108 kts  
Fuel consumption  
9,2 Lph/2,4 Gph  
Range: 1900+ km/1000+ NM



# SINUS 912

Sinus' sleek lines and fully composite construction with a 15-meter wing span, which provide for a glide ratio touching 1:30 will convince also the more demanding pilot in you.

With the Sinus, you literally purchase three aircraft for the price of one! You get a glider, a long range super-economic cruiser and the most versatile training aircraft on the market.



**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



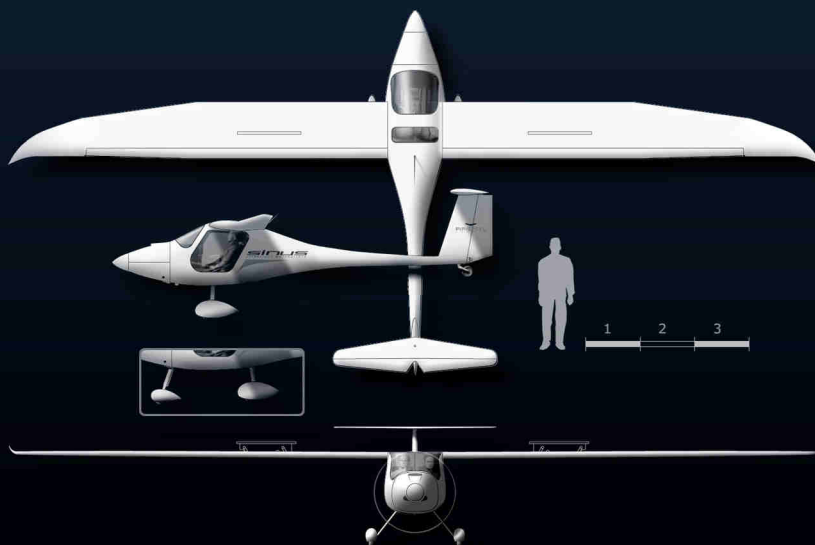
**Virus 912**  
12,5-meter wingspan



**Virus SW 80/100**  
10,7-meter wingspan



**Panthera**  
Four seat fast cruiser





## 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

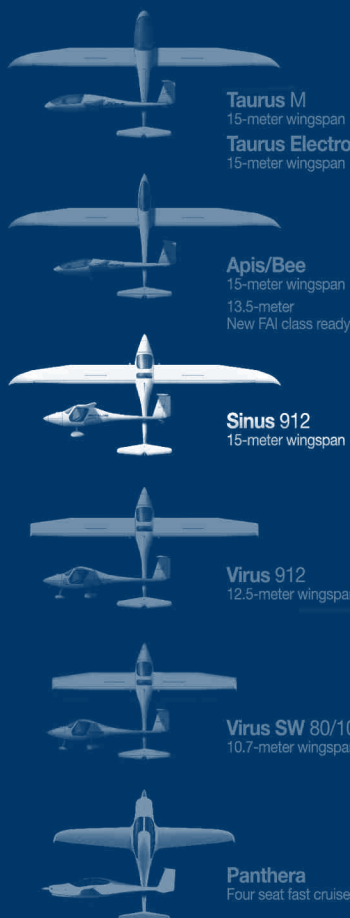
**Performance**

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

\* (prop. feather.)



# SINUS 912



**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)!

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.

**Short field performance**  
Sinus was designed to go everywhere!



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