



Comfortable cockpit with analog & digital instruments

Making flying fun and affordable again

The ALPHA is what we believe an easy-to-fly airplane should be like. Pilot friendly, safe, with super-low maintenance costs, reliable, durable and sporty.



ALPHA Trainer
Lowest operating cost in class

Rugged tricycle undercarriage with extra-strong brakes

Superb handling characteristics

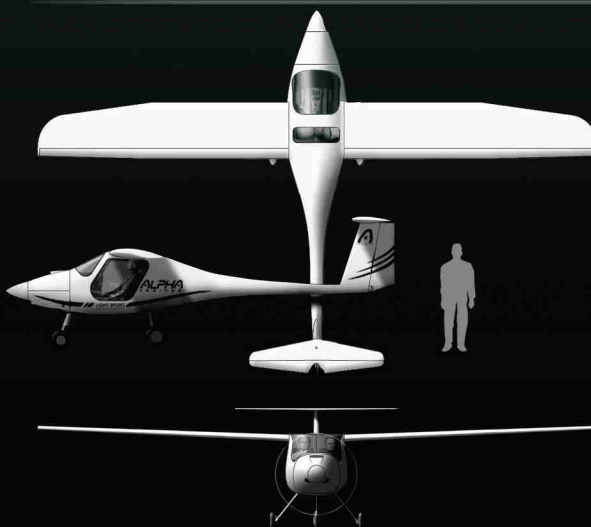


ALPHA Trainer

You asked, Pipistrel delivered. The ALPHA was developed and refined in cooperation with World-Class Flight Training Organisations. Meeting all ASTM LSA and European Microlight requirements, the high-tech ALPHA offers a total package

with radio, transponder, GPS, strobes/lights and ballistic parachute rescue system included as standard. Couple this with extremely low flight-hour cost, high reliability and uncompromised safety, the ALPHA is here to make flying fun and affordable again.

-  **Taurus M**
15 m (50 ft) wingspan
-  **Taurus Electro**
15 m (50 ft) wingspan
-  **Apis/Bee**
15 m (50 ft) wingspan
13.5 m (44 ft)
New FAI class ready
-  **Sinus 912**
15 m (50 ft) wingspan
-  **Virus 912**
12.5 m (42 ft) wingspan
-  **Virus SW 80/100**
10.7 m (35 ft) wingspan
-  **ALPHA Trainer**
10.5 m (35 ft) wingspan
-  **Panthera**
Four seat fast cruiser



ALPHA Trainer

10,5 m (35 ft) wingspan



From the team, who designed the NASA Awarded Virus SW, Taurus G4 and the Panthera, comes the perfect airplane to bring fun back to flying. Full carbon-fibre reinforced composites and high-tech systems of the ALPHA make the airplane durable, long-lasting and corrosion-free. The comfortable easy-to-access cockpit seats two and is equipped with custom-developed avionics, featuring both analogue and digital readouts. Both veteran and new pilots will appreciate the ALPHA Trainer's friendly handling. The proven and ever-reliable Rotax 912 80 HP engine supports automotive (87-octane and higher, up to 10% ethanol content) fuels allowing for operations around the world. Pilots will enjoy the scenic view from the cockpit, harmonized controls,

Model

Engine Rotax	80 hp Rotax 912
Maximum take off weight	1212 lbs (550/472,5 kg)
Maximum landing weight	1212 lbs (550/472,5 kg)
Typical empty weight	615 lbs (279 kg)
Payload without fuel	597 lbs (271 kg)
Payload with full fuel	507 lbs (230 kg)
Baggage allowance, maximum (baggage area floor limit)	55 lbs (25 kg)
Baggage allowance, typical with full fuel	22 lbs (10 kg)
Fuel capacity, total	13.2 US gal (50 l)
Fuel capacity, usable	12.7 US gal (48 l)
Fuel weight full	90.5 lbs (41 kg)
Endurance with 30 minutes reserve	4.1 hours
Fuel flow at cruise speed	3.6 US gph (13.6 l/h)
Range at cruise speed excluding reserve	390 NM (722 km)
Takeoff - ground roll - at MTOM	459 ft (140 m)
Takeoff total distance over 50 ft obstruction at MTOM	738 ft (225 m)
Landing distance over 50 ft obstruction	1510 ft (460 m)
Absolute ceiling at MTOM	18,000 ft (5500 m)

Sizes

Wing span	34' 6" (10.5 m)
Length	21' 4" (6.5 m)
Height	6' 9" (2.05 m)
Wing surface	100 sqft (9.29 m ²)
Vertical fin surface	11.8 sqft (1.1 m ²)
Horizontal stabilizer and elevator surface	11.6 sqft (1.08 m ²)
Aspect ratio	11.8
Flaperon positions	0°, 15°, 25°
Center of gravity (MAC)	25% - 38%
Propeller	
-fixed - Pipistrel GVI	63" dia (1620 mm)

Performances

Data published for mtow 1,212 lbs
All speeds in knots

stall with flaps	37 kts
stall without flaps	43 kts
Cruising speed (75% power)	108 kts
VNE	135 kts
max speed with flaps down	70 kts
manoeuvring speed	86 kts
best climb speed	76 kts
max climb rate	1,220 fpm
best glide ratio speed	64 kts
best glide	17:1
take off run	459 feet (140 m)
take off over 50' obstacle	738 feet (225 m)



ALPHA Trainer

good cross-country range with unbeatable fuel economy, while instructors will praise the durable undercarriage design. For those who believe the costs in aviation have gone too high, the ALPHA is the best reason to start flying again. Imagine exploring the countryside at 108 kts (200 km/h) with only 3.6 gph (13.6 lph). Or teaching new pilots fly using only 2.5 gph (9.4 lph) in circuits. It is time for ALPHA!



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