

EXPLARER

PIPISTREL

The high performance 2-seater with bizjet cockpit functionality

All advantages of an airliner gathered in one GA airplane



SW 121A -EXPLORER



Treat yourself to an IFR ready, day/night and intentional spins type-certified aircraft for the price of a microlight.

Richly equipped in the basic configuration with the features such as:

- ·Functional glass cockpit with double touch screen gives an airliner look
- ·Advanced auto pilot with Go-around function
- ·Haptic stall warning & stick shaker
- ·Solid luggage compartment
- ·Airbrakes for rapid descent over obstacles and short aircraft towing cycles
- ·Aerodynamic wheel fairings
- •Economic, type-certified Rotax engine, running on car fuel
- •Type-certified constant speed propeller
- ·Heated pitot tube & additional generator
- ·Ballistic parachute rescue system
- ·Glider towing hook

19^{*}€ FUEL COSTS
PER HOUR WITHOUT VAT

48€ TOTAL OP. COSTS
PER HOUR WITHOUT VAT
Including also depreciatio

* DIRECT OP. COSTS
PER HOUR WITHOUT VAT
Incl.fuel, maintenance & overhaul

*costs may vary depending on the MOGAS price and labour cost in different countries



Explorer is the first aircraft in its class with unrestricted commercial use. It can land on unprepared terrains where others cannot even imagine. It allows flying across distances that cover entire continents at speeds which allow IFR procedural velocities and offer a new relaxed lifestyle in aviation.

UNIQUE IN ITS CLASS

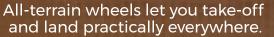
The high-wing design with large transparent surfaces offers outstanding visibility and is an ideal choice for aerial surveillance.





The ergonomic interior with seats and pedals adjustable in-flight offers very quiet and comfortable flight. Owners and especially flight schools will appreciate how little maintenance the Explorer requires.







Skis enable taking-off and landing on snow-covered surfaces.



Ideal for extreme cross-continent and around-the-world flights.

*NOTE: these options are available only for the non-certified version of aircraft









Pipistrel EXPLORER

The most price-performing aircraft in its category

PERFORMANCE FIGURES

Data published for 600 kg MTOW (1.320 lbs). All speeds in Knots

Vne - Never Exceeded Speed Vno - Max Structural Cruising Speed 120 KIAS Va - Max Operating Maneuvering Speed Vfe - Max Flap Extended Speed 81 KIAS Vae - Max Airbrakes Extended Speed 100 KIAS 47 KIAS VSO - Stall speed with flaps VS - Stall speed without flaps 53 KIAS

Towing limitations Best climb speed Max climb rate

Take-off distance (at SL) Take-off over 15m (50ft) obstacle (at SL)

Maximum take-off altitude Maximum operating altitude

Fuel consumption at 2000ft, 75% MCP Cruise performance at 6000ft, 75% MCP

Endurance at 4000ft. 65% MCP Range distance at 4000ft, 65% MCP Noise level (ICAO Annex 16, Chapter 10) Flight Load Factor Limits

Permitted Fuel

163 KTAS

Glider up to 600 kg (to meet 500m total take-off distance over 15m obstacle)

5.33 m/s (1050 ft/min) 160 m / 525 ft 320 m/1050 ft

3048 m (10.000 ft) MSL 5486 m (18,000 ft) MSL 18.4 I/hour (4.86 gal/h)

132 KIAS

1189 km / 642 nm (+30 min reserve) 70,0 dB(A) (measured)

+4.0g -2.0g

AVGAS, MOGAS or car fuel (min RON95; En228 Premium or Premium Plus with max 10% ethanol)

TECHNICAL CHARACTERISTICS

Lenath 6.42 m (21.06 ft) 10.70 m (35.10 ft) Wing Span 1.90 m (6.23 ft) -5°: marked (-) Negative flaps 0°, +9.5°, +20°; Positive flaps marked (0), (+1), (+2) respectively

Design empty weight 371 kg (818 lb) Max take-off weight (MTOW) 600 kg (1323 lb) Design useful load 229 kg (505 lb) Max baggage weight 25 kg (55 lb) Fuel tanks capacity 2x 50 I

Note: Data is for ISA sea-level conditions. Pipistrel reserves the right to revise this data sheet whenever occasioned by product improvement, government/authority regulations or other good cause







