



EXPLORER

PIPISTREL

The high performance 2-seater with bizjet cockpit functionality

SW 121A - EXPLORER



19* € FUEL COSTS
PER HOUR WITHOUT VAT

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

42* € 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.

ALL TERRAIN WHEELS*



All-terrain wheels let you take-off and land practically everywhere.

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

SKIS*



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

EXTREME FLIGHTS



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

THE SW AIRPLANE FAMILY OFFERS
THE BEST CHOICES FOR

 **EXPLORERS**

ALL OVER THE WORLD!



RANGE
UP TO **4,500 km**

ALTITUDE
UP TO **30,000 ft**

ENDURANCE
UP TO **20 hours**



TOWING



ERGONOMIC INTERIOR



TOUCH SCREEN AVIONICS



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	163 KTAS
Vno - Max Structural Cruising Speed	120 KIAS
Va - Max Operating Maneuvering Speed	100 KIAS
Vfe - Max Flap Extended Speed	81 KIAS
Vae - Max Airbrakes Extended Speed	100 KIAS
VS0 - Stall speed with flaps	47 KIAS
VS - Stall speed without flaps	53 KIAS
Towing limitations	Clider up to 600 kg (to meet 500m total take-off distance over 15m obstacle)
Best climb speed	78 KIAS
Max climb rate	5.33 m/s (1050 ft/min)
Take-off distance (at SL)	160 m / 525 ft
Take-off over 15m (50ft) obstacle (at SL)	320 m / 1050 ft
Maximum take-off altitude	3048 m (10,000 ft) MSL
Maximum operating altitude	5486 m (18,000 ft) MSL
Fuel consumption at 2000ft, 75% MCP	18.4 l/hour (4.86 gal/h)
Cruise performance at 6000ft, 75% MCP	132 KIAS
Endurance at 4000ft, 65% MCP	5h 33min (+30 min reserve)
Range distance at 4000ft, 65% MCP	1189 km / 642 nm (+30 min reserve)
Noise level (ICAO Annex 16, Chapter 10)	70,0 dB(A) (measured)
Flight Load Factor Limits	+4.0g -2.0g
Permitted Fuel	AVGAS, MOGAS or car fuel (min RON95; En228 Premium or Premium Plus with max 10% ethanol)

TECHNICAL CHARACTERISTICS

Length	6.42 m (21.06 ft)
Wing Span	10.70 m (35.10 ft)
Height	1.90 m (6.23 ft)
Negative flaps	-5°; marked (-)
Positive flaps	0°, +9.5°, +20°; 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 l

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.



AIRBRAKES FOR RAPID DESCENT



OPERATES ON UNPREPARED RUNWAYS



UNIQUE IN COST PER OPERATING HOUR

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