

PIPERSPORT

Vital Statistics

Engine

Engine Model: Rotax 912 ULS

Type: four cylinder, four-stroke, geared drive, horizontally opposed, dual carburetor, air cooled cylinders, liquid cooled cylinder heads, capacitor discharge ignition

Horsepower: 98.6

Maximum RPM: 5800

Features: carburetor heat

Operating Weights

Maximum Gross Takeoff Weight: 1320 lbs.

Maximum Gross Landing Weight: 1320 lbs.

Maximum Weight Of Fuel: 180 lbs.

Maximum Baggage Weight In Rear Fuselage Compartment: 40 lbs.

Maximum Baggage Weight In Each Wing Locker: 44 lbs.

Minimum Crew Weight: 93 lbs.

Maximum Crew Weight On Each Seat: 253

Operating Altitudes

Service Ceiling: 10,000 feet

Load Factors

Maximum positive limit load factor: +4 g

Maximum negative limit load factor: -2 g

Oil System

Type: dry sump forced lubrication

Minimum Operating Quantity: 0.87 gal.

Maximum Operating Quantity: 1.0 gal

Oil Grade: AeroShell Oil Sport Plus 4, SAE 10W-40

Fuel System

Fuel Grade: 100LL or MOGAS

Total Capacity: 30 gallons (30.12 gal)

Total Usable: 30 gallons (29.86 gal),

Total Capacity Each Wing: 15 gallons (15.06 gal)

Total Unusable: 0.26 gallons

Tanks: 2

Drains: 3

Pumps: one engine-driven; one electric auxiliary

Electrical System

Battery: one at 12 volts DC

Generators: one at 12 volts AC

Flap System

Type: fowler

Actuation: electric

Settings: 0°, 10°, 20°, 30°

Propeller System

Type: fixed-pitch

Landing Gear System

Type: fixed tricycle

Steering: castering nosewheel

Tire Sizes: 5.00 X 5 nosewheel; 5.00 X 5, main

Tire Inflation: 30 psi nose; 30 psi main

Brake System

Actuation: manual hydraulic

Features: disk brakes on main gear; parking brake

Pitot-Static System

Pitot Source: probe under left wing

Static Source: probe under left wing

Cruise Performance (based on Standard OAT, Wheel Fairings Installed)

Average Cruise TAS:

3000' 98 KTS @ 5000 RPM 5000' 114 KTS @ 5500 RPM

6000' 95 KTS @ 5000 RPM 7000' 111 KTS @ 5500 RPM

9000' 85 KTS @ 5000 RPM 9000' 106 KTS @ 5500 RPM

Average Fuel Consumption:

7.1 GPH @ Maximum Power (5800 RPM)

6.4 GPH @ Maximum Continuous Power (5500 RPM)

5.2 GPH @ 75% power (5000 RPM)

4.1 GPH @ 4500 RPM