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1984  
**Warrior II**

















# Piper Aircraft Corporation

1984

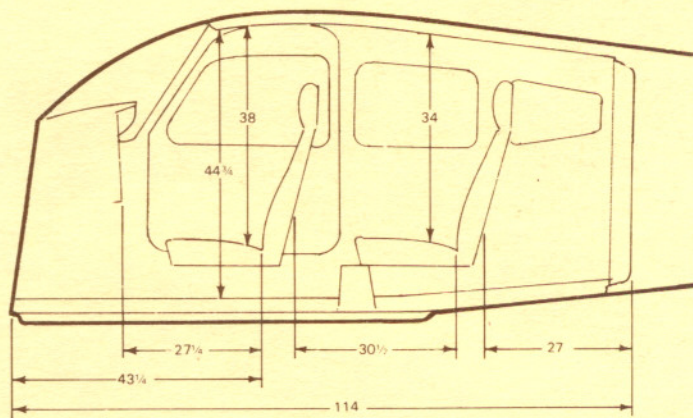
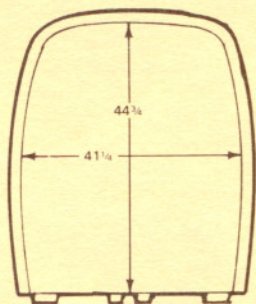
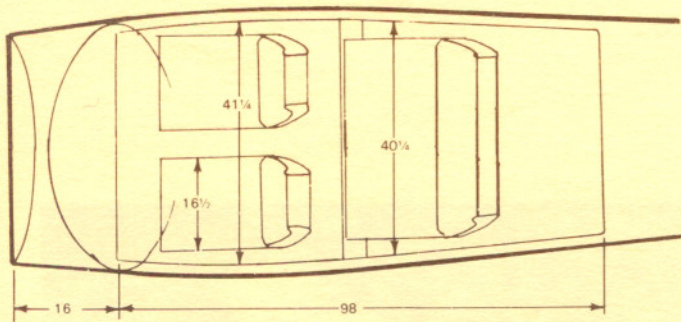
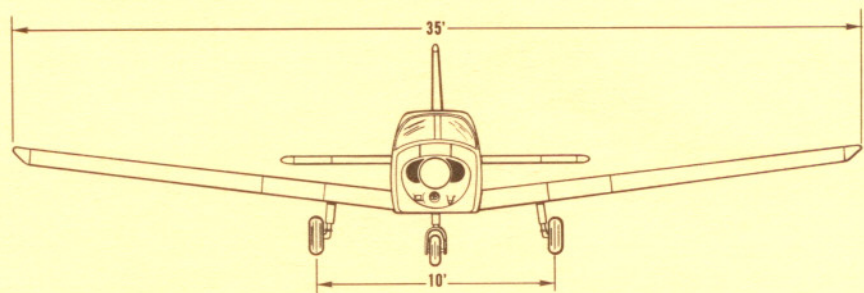
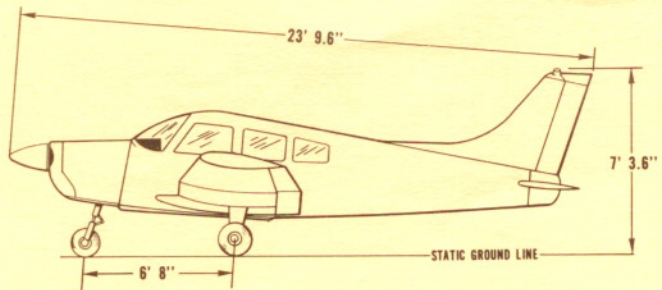
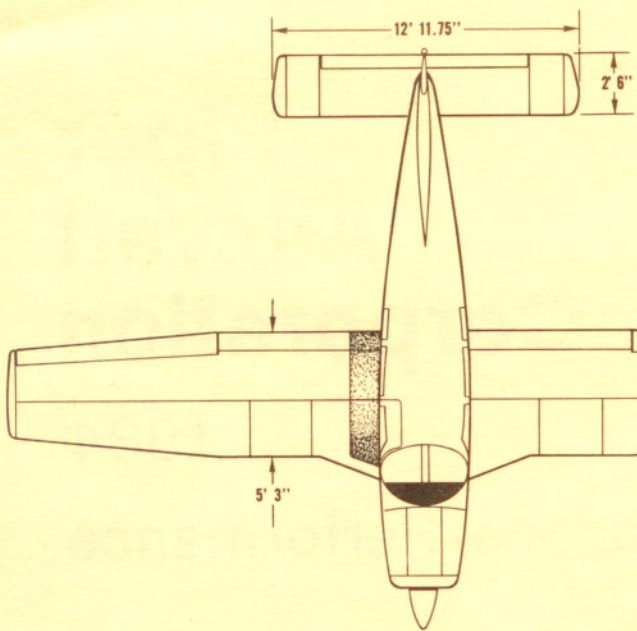
Specifications/Performance

## Warrior II

PA 28-161









# Specifications

**ENGINES**

Manufacturer	Lycoming
Model	O-320-D3G
Rating (hp @ rpm)	160 @ 2700
Number of Cylinders	4
Recommended TBO (hrs.)	2000

**PROPELLERS**

Manufacturer	Sensenich
Number of Blades	2
Type	Fixed Pitch
Diameter (in./cm)	74/188

**WEIGHTS**

Ramp Weight (lbs./kg)	2447/1110
Gross Weight (lbs./kg)	2440/1107
Standard Empty Weight (lbs./kg)	1348/611
(Includes: unusable fuel, full operating fluids and full oil)	
Standard Useful Load (lbs./kg.)	1099/499

**WING AREA AND LOADINGS**

Wing Area (ft. <sup>2</sup> /m <sup>2</sup> )	170/15.8
Wing Loading (lb./ft. <sup>2</sup> )/(kg./m <sup>2</sup> )	14.4/70.1
Power Loading (lb./hp)/(kg./hp)	15.3/6.9

**DIMENSIONS**

Wing Span (ft./m)	35.0/10.7
Length (ft./m)	23.8/7.3
Height (ft./m)	7.3/2.2
Cabin Length (Instrument Panel to Rear Bulkhead) (in./cm)	98/248.9
Cabin Width (in./cm.)	41.25/104.8
Cabin Height (in./cm.)	44.25/112.4
Headroom (Seat to Ceiling)	
Front Seat (in./cm.)	38/96.5
Rear Seat (in./cm.)	34/86.4
Baggage Door Size (in./cm.)	22/55.9 x 20/50.8
Cabin Door Size (in./cm.)	36/91.4 x 35/88.9
Wheel Base (ft./m)	6.67/2.03
Wheel Tread (ft./m)	10/3.05

**FUEL CAPACITY**

Two 25 gal. tanks (gal./L)	50/189
Usable Fuel (gal./L)	48/182

**OIL CAPACITY (qts./L)**

8/7.57

**BAGGAGE**

Volume (ft <sup>3</sup> /m <sup>3</sup> )	24/.68
Capacity (lbs./kg.)	200/91

# Performance

**MAXIMUM SPEED (kts./kmh)**

(TAS at Mid Cruise Weight)	127/235
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**CRUISING SPEEDS**

	Best Power	Best Economy
(TAS at Mid Cruise Weight)		
75% at 9,000 ft. (kts./kmh)	127/235	123/228
65% at 12,500 ft. (kts./kmh)	118/219	116/215
55% at 12,500 ft. (kts./kmh)	107/198	103/191

**CRUISE RANGE**

(Cruising range includes 45-minute fuel reserve at max. range power plus allowance for fuel used during taxi, take-off, climb at MCP, cruise at stated mixture and descent)

	Best Power	Best Economy
75% at 9,000 ft. (nm/km)	525/ 973	590/1093
65% at 12,500 ft. (nm/km)	553/1024	633/1173
55% at 12,500 ft. (nm/km)	565/1047	640/1186

**FUEL CONSUMPTION**

	Best Power	Best Economy
75% power (gph./lph)	10.0/37.9	8.5/32.2
65% power (gph./lph)	8.8/33.3	7.5/28.4
55% power (gph./lph)	7.8/29.5	6.6/25

**RATE OF CLIMB (At Sea Level and Gross Wt.)**

Full Throttle (fpm/mpm)	644/196
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**STALL SPEED**

	IAS	CAS
Flaps Down, Full 40° (kts./kmh)	44/82	50/93
Flaps Up (kts./kmh)	50/93	56/104

**SERVICE CEILING (100 fpm) (ft./m)**

11,000/3353

**TAKE-OFF DISTANCE**

(Sea Level, Zero Wind, Standard Temperature, 25° Flaps)	
Ground Run (ft./m)	1050/320
Total over 50-ft. obstacle (ft./m)	1650/503

**LANDING DISTANCE**

(Sea Level, Zero Wind, Standard Temperature)	
Ground Roll (ft./m)	625/191
Total over 50-ft. obstacle (ft./m)	1160/353