

PA-28R-201 ARROW III

Vital Statistics

Engine

Engine Model: Lycoming IO-360-C1C6

Type: direct-drive, horizontally opposed, fuel-injected, four-cylinder, air cooled

Horsepower: 200

Maximum RPM: 2700

Operating Weights

Maximum Gross Takeoff Weight: 2750 lbs.

Maximum Gross Landing Weight: 2750 lbs.

Baggage Compartment: 200 lbs. maximum

Oil System

Type: wet sump

Minimum Level: 2 quarts

Maximum Level: 8 quarts

Fuel System

Fuel Grade: 100LL (100/130 minimum grade)

Total Capacity: 77 Gallons

Total Usable: 72 Gallons (36 each wing)

Total Unusable: 5 Gallons

Fuel Tanks: 2

Fuel Drains: 3

Fuel Pumps: one engine-driven; one electric auxiliary

Electrical System

Battery: one at 35 amperes, 12 volts

Alternator: one at 60 amperes, 14 volts

Vacuum System

Pumps: one engine-driven

Normal suction: 4.8 to 5.2 In/Hg

Flap System

Type: manual
Settings: 0°, 10°, 25°, 40°

Propeller System

Type: constant speed, variable pitch, non-feathering

Landing Gear System

Type: electro-hydraulic
Reservoir: self-contained, independent of brake system
Power source: reversible electric motor
Features: downlocks and emergency extension
Tire Sizes: 5.00 X 5 nose; 6.00 X 6 main
Strut Inflation: 2.5 inches nose; 2.75 inches main

Brake System

Type: hydraulic
Reservoir: external, independent of landing gear system
Features: disk brakes on main gear; parking brake

Pitot Static System

Pitot Source: probe under left wing
Static Source: one static port on either side of rear empennage
Features: alternate air system; pitot heat

Cruise Performance (based on 5000 feet Pressure Altitude, Standard OAT)

Average Cruise TAS: 137 KTS @ 75% power, Best Economy Leaning
127 KTS @ 65% power, Best Economy Leaning
113 KTS @ 55% power, Best Economy Leaning

Average Fuel Consumption: 10.2 GPH @ 75% power, Best Economy Leaning
9.2 GPH @ 65% power, Best Economy Leaning
8.0 GPH @ 55% power, Best Economy Leaning