PA-28-161 WARRIOR II
Vital Statistics

Engine

Engine Model: Lycoming O-360-D2A
Type: direct-drive, horizontally opposed, normally aspirated, four-cylinder, air cooled
Horsepower: 160
Maximum RPM: 2700
Features: carburetor heat

Operating Weights (2440 lbs. Maximum Gross Weight Model)

Maximum Gross Ramp Weight: 2447 lbs. Normal Category; 2027 lbs. Utility Category
Maximum Gross Takeoff Weight: 2440 lbs. Normal Category; 2020 lbs. Utility Category
Maximum Gross Landing Weight: 2440 lbs. Normal Category; 2020 lbs. Utility Category
Baggage Compartment: 200 lbs. maximum Normal Category; 0 lbs. maximum Utility Category

Operating Weights (2325 lbs. Maximum Gross Weight Model)

Maximum Gross Ramp Weight: 2332 lbs. Normal Category; 2027 lbs. Utility Category
Maximum Gross Takeoff Weight: 2325 lbs. Normal Category; 2020 lbs. Utility Category
Maximum Gross Landing Weight: 2325 lbs. Normal Category; 2020 lbs. Utility Category
Baggage Compartment: 200 lbs. maximum Normal Category, 0 lbs. maximum Utility Category

Oil System

Type: wet sump
Minimum Operating Quantity: 2 quarts
Maximum Operating Quantity: 8 quarts
Normal Operating Quantity: 6-8 quarts

Fuel System

Fuel Grade: 100LL (100/130 minimum grade)
Total Capacity: 50 gallons
Total Usable: 48 gallons (24 gallons each wing)
Total Unusable: 2 gallons
Tanks: 2
Drains: 3
Pumps: one engine-driven; one electric auxilary
Features: manual primer

Electrical System

Battery: one at 35 amperes, 12 volts
Alternators: one at 60 amperes, 14 volts
Features: external power source; voltage regulated @ 14 volts

Vacuum System

Pumps: one engine-driven
Normal Suction: 4.8 to 5.1 In/Hg

Flap System

Type: single-slotted
Actuation: manual
Settings: 0°, 10°, 25°, 40°

Propeller System

Type: fixed-pitch

Landing Gear System

Type: fixed
Tire Sizes: 5.00 X 5, 4-ply nose; 6.00 X 6, 4-ply main
Tire Inflation: 30 psi nose; 24 psi main
Strut Inflation: 3.25 inches nose; 4.50 inches 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
Features: static drains; alternate static source; pitot-static heat

Cruise Performance (based on 5000 feet Pressure Alt., Standard OAT, No Wheel Fairings)

Average Cruise TAS: 110 KTS @ 75% power, Best Economy Leaning
100 KTS @ 65% power, Best Economy Leaning
90 KTS @ 55% power, Best Economy Leaning

Average Fuel Consumption: 8.5 GPH @ 75% power, Best Economy Leaning
7.5 GPH @ 65% power, Best Economy Leaning
6.6 GPH @ 55% power, Best Economy Leaning