

PA-32-300 Cherokee Six

Vital Statistics

Engine

Engine Model: Lycoming IO-540-K1G5

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

Horsepower: 300

Maximum RPM: 2700

Features: alternate air

Operating Weights

Maximum Gross Ramp Weight: 3400 Lbs. Normal Category

Maximum Gross Takeoff Weight: 3400 Lbs. Normal Category

Maximum Gross Landing Weight: 3400 Lbs. Normal Category

Baggage Compartment: 100 Lbs. Max. Forward Hold, 100 Lbs. Max. Rear Hold

Oil System

Type: wet sump

Minimum Level: 2 quarts

Maximum Level: 8 quarts

Fuel System

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

Total Capacity: 98 Gallons

Total Usable: 94 Gallons (47 each wing)

Total Unusable: 4 Gallons

Fuel Tanks: 4 total: 2 per wing

Fuel Drains: 5 total: 2 per wing; 1 fuel strainer sump drain

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: 4.9 to 5.1 In/Hg

Flap System

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

Propeller System

Type: constant speed; variable pitch, non-feathering

Landing Gear System

Type: fixed
Tires: 6.00 X 6 nose and main
Strut Inflation: 3.25 inches nose; 4.5 inches main

Brake System

Type: 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: alternate air system; pitot heat

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

Average Cruise TAS: 130 KTS @ 75% power, Best Economy Leaning
000 KTS @ 65% power, Best Economy Leaning
000 KTS @ 55% power, Best Economy Leaning

Average Fuel Consumption: 0.0 GPH @ 75% power, Best Economy Leaning
0.0 GPH @ 65% power, Best Economy Leaning
0.0 GPH @ 55% power, Best Economy Leaning