

PIPER PA-32 SARATOGA II TC

SPECIFICATIONS

Powerplant: Textron Lycoming, TIO-540-AHIA, 300 hp
Recommended TBO: 2,000 hr
Propeller: Hartzell three-blade, constant speed, 77- to 78-in dia
Length: 27 ft 10.5 in
Height: 8 ft 6 in
Wingspan: 36 ft 2 in
Wing area: 178.3 sq ft
Wing loading: 20.2 lb/sq ft
Power loading: 12 lb/hp
Seats: 6
Cabin length: 10 ft 4 in
Cabin width: 4 ft
Cabin height: 3 ft 6 in
Empty weight: 2,478 lb
Max ramp weight: 3,615 lb
Max gross weight: 3,600 lb
Useful load (std.): 1,137 lb
Payload w/full fuel: 525 lb
Max takeoff weight: 3,600 lb
Max landing weight: 3,600 lb
Fuel capacity: 107 gal (102 gal usable), 642 lb (612 lb usable)
Oil capacity: 12 qt
Baggage capacity: Forward - 100 lb, 7 cu ft; Aft - 100 lb, 17.3 cu ft

PERFORMANCE

Takeoff distance, ground roll: 1,110 ft
Takeoff distance over 50-ft obstacle: 1,810 ft
Max demonstrated crosswind component: 17 kt
Rate of climb, sea level: 950 fpm
Cruise speed/range w/45-min reserve, std fuel (fuel consumption):
 @ High-speed power, peak TIT, 10,000 ft - 176 kt/750 nm (20 gph)
 @ Long-range power, peak TIT, 16,000 ft - 160 kt/995 nm (12.5 gph)
Max operating altitude: 20,000 ft
Landing distance over 50-ft obstacle: 1,700 ft
Landing distance, ground roll: 880 ft

LIMITING AND RECOMMENDED AIRSPEEDS

VY (best rate of climb):
 Gear down, flaps up - 80 KIAS
 Gear up, flaps up - 95 KIAS
VA (design maneuvering): 134 KIAS
VFE (max flap extended): 110 KIAS
VLE (max gear extended): 132 KIAS
VLO (max gear operating):
 Extend - 132 KIAS
 Retract - 110 KIAS
VNO (max structural cruising): 167 KIAS
VNE (never exceed): 191 KIAS
VR (rotation): 80 KIAS
VS1 (stall, clean): 67 KIAS
VSO (stall, in landing configuration): 63 KIAS

*For more information, contact Piper Aircraft, 2926 Piper Drive, Vero Beach, Florida 32960; telephone 772/567-4361;
<http://www.piper.com/>*

All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, sea level, gross weight conditions unless otherwise noted.