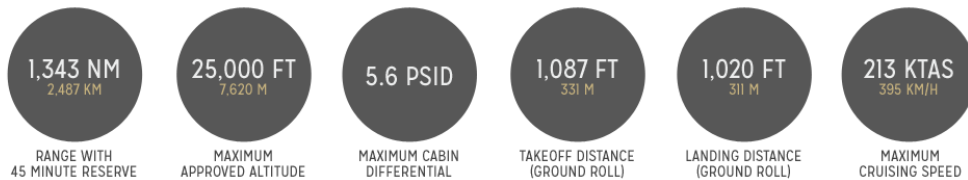


PERFORMANCE SPECS:



Specifications

Powerplant	Lycoming TIO-540-AE2A, 350 hp @ 2,500 rpm
Recommended TBO	2,000 hr
Propeller	Hartzell two-blade, constant speed, 80-inch diameter
Gross weight	4,300 lb
Useful load	1,528 lb
Useful load, as tested	1,266 lb
Payload w/full fuel	808 lb
Payload w/full fuel, as tested	546 lb
Max takeoff weight	4,300 lb
Max landing weight	4,100 lb
Zero fuel weight	4,100 lb
Fuel capacity, std	122 gal (120 gal usable)
Oil capacity	732 lb (720 lb usable) 12 qt
Baggage capacity	100 lb, 13 cu ft (forward), 100 lb, 20 cu ft (aft)

Performance

Takeoff distance, ground roll	1,530 ft
Takeoff distance over 50-ft obstacle	1,964 ft
Max demonstrated crosswind component	17 kt
Rate of climb, sea level	1,218 fpm
Max level speed	225 kt (at optimum altitude)
Cruise speed/range/endurance w/45-min rsv, std fuel (fuel consumption)	4,300 lb
@ High speed cruise, Peak TIT, 25,000 ft	225 KTAS/980 nm/4.8 hr (120 pph/20 gph)
@ Normal cruise, Peak TIT, 20,000 ft	206 KTAS/1,040 nm/5.3 hr (108 pph/18 gph)
@ Long range cruise, Peak TIT, 10,000 ft	140 KTAS/1,450 nm/10.3 hr (66 pph/11 gph)
Max operating altitude	25,000 ft
Service ceiling	25,000 ft
Landing distance over 50-ft obstacle	1,964 ft

Limiting and Recommended Airspeeds	1,964 ft
VX (best angle of climb)	91 KIAS
VY (best rate of climb)	110 KIAS
VA (design maneuvering)	133 KIAS
VFE (max flap extended)	165 KIAS
VLO (max gear operating)	206 KTAS/1,040 nm/5.3 hr (108 pph/18 gph)
Extend	165 KIAS
Retract	126 KIAS
VNO (max structural cruising)	168 KIAS
VNE (never exceed)	198 KIAS
VS1 (stall, clean)	71 KIAS
VSO (stall, in landing configuration)	60 KIAS