

Piper PA-39 Twin Comanche C/R Specifications

Engines

Lycoming	IO-320-B1A
	LIO-320-B1A
No. Cylinders	4
Oil Capacity (qts)	8
Displacement (cu.in.)	319.8
HP	160
TBO (Hours)	2000
Carbureted/Fuel Injected	Fuel Injected

Weights and Capacities

Takeoff/Landing Weight	3,600 lbs.
Standard Empty Weight	2,270 lbs.
Useful Load	1,330 lbs.

Baggage

Maximum Capacity (lbs)	250 lbs
Volume (cu ft)	20 cu ft
Baggage Door Size (in)	19x21 in

Performance

Best Rate of Climb	1,460 FPM
Rate of Climb (SE)	260 FPM
Wing Loading	20.2 lbs./sq. ft.
Wing Area	178 sq. ft
Power Loading	11.3 lbs./hp
Absolute Ceiling	20,000 ft.
Service Ceiling	18,600 ft.
Absolute Ceiling (SE)	7,100 ft.
Service Ceiling (SE)	5,800 ft.
Takeoff Ground Roll	940 ft
Takeoff 50 Ft. Obstacle	1,530 ft
Landing Ground Roll	700 ft
Landing 50 Ft. Obstacle	1,870 ft
Range	785 NM

Landing Gear

Wheel base	7 ft. 3 in
Wheel track	9 ft. 10 in
Tire size	6.00 x 6

Propellers

Blades	2
Make	Hartzell
Model	HC-E2YL-27663-4
Diameter	72 in
Type	Constant Speed

Fuel:

Standard Fuel (Gal/Lbs)	90 / 540
Long Range Fuel (Gal/Lbs)	120 / 720
Min. Octane Fuel	100
Fuel Burn 75% Power	17.2 Gal
Fuel Burn 65% Power	14.9 Gal

Dimensions

Height	8 ft 2 in
Wing Span	36 ft
Length	25 ft 2 in

Cabin Dimensions

Cabin Width (in)	44 in
Cabin Height (in)	46 in

Speeds (MPH/ Knots)

Never Exceed Speed	230 / 200
Top Speed	205 / 178
Max. Structural Cruising Speed	194 / 168
Design Maneuvering Speed - 3600	162 / 141
Design Maneuvering Speed - 2825	145 / 126
Stall - Clean	76 / 66
Stall - Landing Configuration	70 / 61
Maximum Gear Extended	150 / 130
Maximum Flap Extended	150 / 130
Minimum Control (Single Engine)	80 / 69
Best Rate of Climb	112 / 97
Best Rate of Climb (SE)	91 / 79

Other Information

Seating Capacity	4-6
Aspect Ratio	7.28:1