

## GENERAL SPECIFICATIONS

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**GENERAL SPECIFICATIONS**
**PERFORMANCE**

Published figures are for Standard PA-34\* airplanes flown at gross weight under standard condition at sea level unless otherwise stated. Performance for a specific airplane may vary from published figures depending upon the equipment installed, the condition of engines, airplane and equipment, atmospheric conditions and piloting technique.

Gross Weight (pounds)	4000	4200
Take-off Run (ft) (short field effort, flaps 25 )	750	800
Take-off Distance Over 50 ft Barrier (ft) (short field effort, flaps 25 )	1140	1235
Minimum Controllable Single Engine Speed (mph)	80	80
Best Rate of Climb Speed (mph) (knots)	105 (91.5)	105 (91.5)
Best Rate of Climb (ft per min)	1460	1360
Best Angle of Climb Speed (mph) (knots)	90 (78)	90 (78)
Best Single Engine Rate of Climb Speed (mph) (knots)	105 (91.5)	105 (91.5)
Single Engine Rate of Climb @ S.L. (ft per min)	230	190
Service Ceiling (ft)	18,800	17,900
Absolute Ceiling (ft)	20,000	19,400
Single Engine Service Ceiling (50 fpm) (left engine out) (ft)**	5200	3650
Single Engine Absolute Ceiling (left engine out) (ft)	6600	5000
Top Speed (mph) (knots)	196 (170)	195.3 (169.8)
Cruising Speed (75% power at sea level) (mph) (knots)	173 (150)	171.6 (149.2)
Cruising Speed (75% power at 6000) (mph) (knots)	187 (162)	186.3 (162)
Optimum Cruising Speed (65% power at 9000) (mph) (knots)	185 (160)	183.4 (159.5)
Stalling Speed (gear and flaps down) (power off) (mph) (knots)	67 (58)	69 (60)
Stalling Speed (gear down and flaps up) (power off) (mph) (knots)	73 (63.5)	76 (66)
Landing Roll (flaps down) (ft) (short field)	705***	-
Landing Over 50 ft Barrier (flaps down) (ft) (short field)	1335***	-
Fuel Consumption (75% power) (gph) (both engines)	20.6	20.6
Fuel Consumption (65% power) (gph) (both engines)	18.3	18.3
Cruising Range (75% power at 6000 ft) (mi)	804	804
Cruising Range (65% power at 9000 ft) (mi)	885	885

\*200 BHP, Counter-Rotating Engines, 4200 lb. G.W., Maximum Take-off Weight  
4000 lb. G.W., Maximum Landing Weight

\*\*5000 Ft. Single Engine Service Ceiling Occurs at 4030 Pounds Gross Weight.

\*\*\*This value applies only for the conditions stated on the Landing Distance vs Density Altitude Chart.

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