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### **GENERAL SPECIFICATIONS**

#### **PERFORMANCE**

Published figures are for standard airplanes flown at gross weight under standard conditions at sea level, unless otherwise stated. Performance for a specific airplane may vary from published figures depending upon the equipment installed, the condition of engine, airplane and equipment, atmospheric conditions and piloting technique. Each performance figure below is subject to the same conditions as on the corresponding performance chart from which it is taken in the Performance Charts Section.

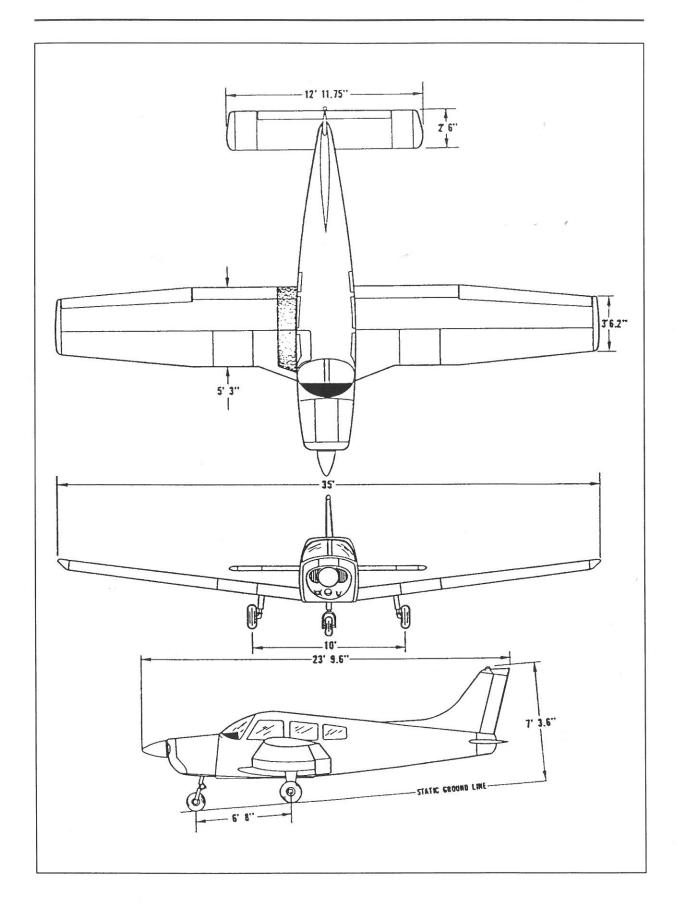
Takeoff Ground Run (minimum) (ft)	1065
Takeoff Distance Over 50-ft Obstacle (25° flaps) (ft)	1760
Best Rate of Climb Speed (mph)	87
Rate of Climb (ft per min)	649
Service Ceiling (ft)	12,700
Absolute Ceiling (ft)	14,960
Top Speed (mph)	135*
Optimum Cruising Speed (75% power, optimum altitude, leaned to	
best power) (mph)	133*
Cruising Range (75% power, optimum altitude, leaned to best economy,	
no reserves) (mi)	720*
Optimum Cruising Range (55% power, optimum altitude, leaned to	
best economy, no reserves) (mi)	785*
Stalling Speed (flaps down) (mph)	58
Stalling Speed (flaps up) (mph)	64.5
Landing Roll (flaps down) (ft)	595
Landing Roll Over 50-ft Barrier (flaps down) (ft)	1115

#### WEIGHTS

Gross Weight (lbs)	2325
Standard Empty Weight (lbs)	1331
Maximum Useful Load (lbs)	994

<sup>\*</sup>With Optional Wheel Fairings installed.

DOMED DE ANE		
POWER PLANT		
Engine (Lycoming) Rated Horsepower Rated Speed (rpm) Bore (inches) Stroke (inches) Displacement (cubic i Compression Ratio Dry Weight (pounds) Propeller McCauley	nches)	O-320-E3D 150 2700 5.125 3.875 319.8 7:1 276
Sensenich		74DM6-0-58
FUEL AND OIL		
Fuel Capacity (U.S. ga Fuel Capacity (U.S. ga Oil Capacity (qts) Fuel, Aviation Grade Minimum Octano Specified Octano Alternate Fuels	al) Usable	50 48 8 80/87 80/87 Refer to Fuel Requirements,
DIMENSIONS		Section 10 - Page 10-9
Wing Span (ft) Wing Area (sq ft) Length (ft) Height (ft) Wing Loading (lbs per Power Loading (lbs per Propeller Diameter (in McCauley Sensenich	r hp)	35 170.0 23.8 7.3 13.7 15.5
Turning Radius		13.0
BAGGAGE		
Maximum Baggage (Its Baggage Space (cubic Baggage Door Size (in	ft)	200 24 20 x 22
LANDING GEAR		
Wheel Base (ft) Wheel Tread (ft) Tire Pressure (psi) Tire Size	Nose Main Nose (4 ply rating) Main (4 ply rating)	6.7 10.0 30 24 5.00 x 5 6.00 x 6



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