

# GENERAL SPECIFICATIONS

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**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 the 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.

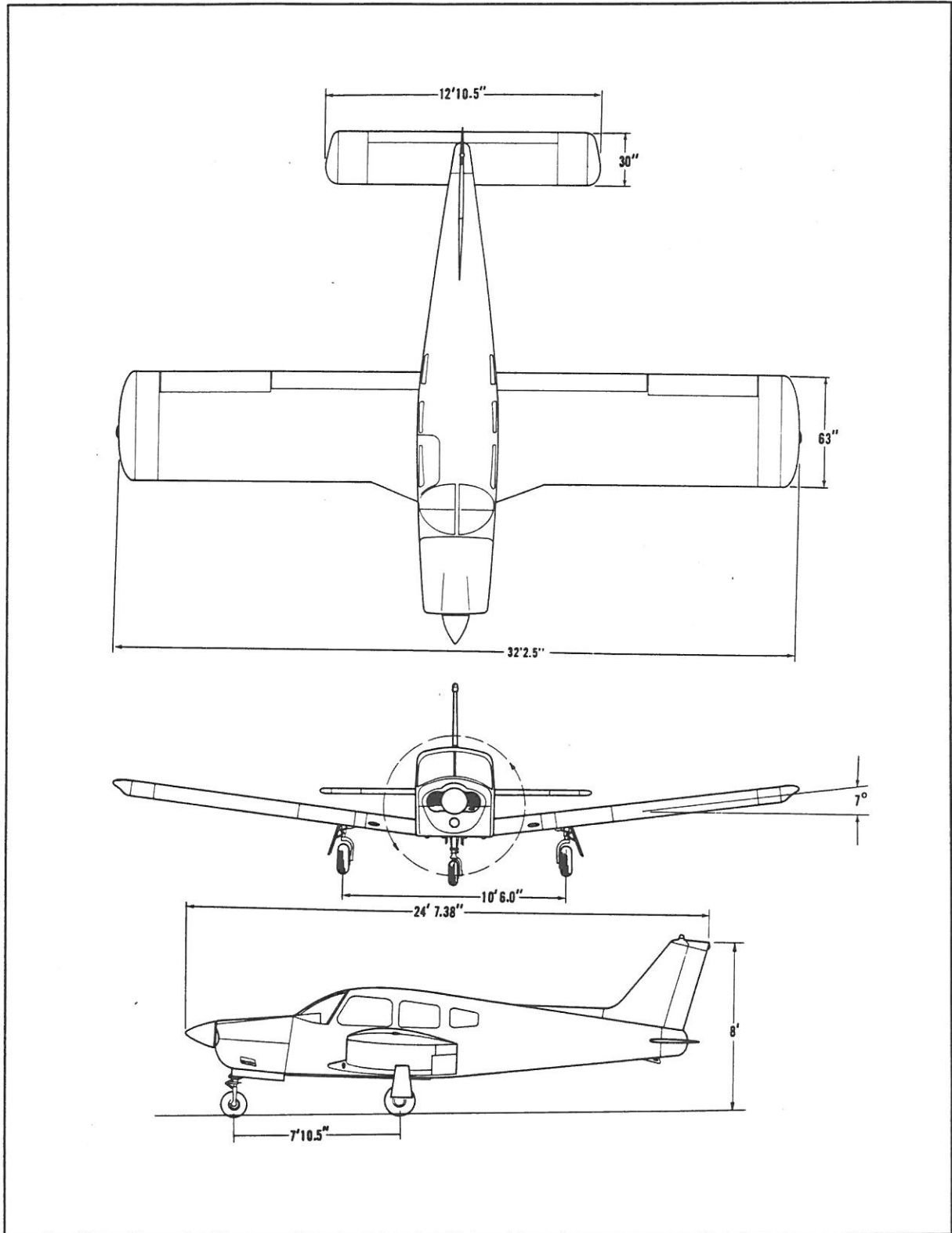
|   |           |
|---|-----------|
| Takeoff Run (ft)  | 1025      |
| Takeoff Run (Short field effort, 25° flaps) (ft)                          | 770       |
| Takeoff Distance Over 50-ft Obstacle (ft)                                 | 1800      |
| Takeoff Distance Over 50-ft Obstacle (Short field effort, 25° flaps) (ft) | 1600      |
| Best Rate of Climb (mph)  | 95 (100*) |
| Rate of Climb (gear retracted) (ft per min)                               | 900       |
| Best Angle of Climb (mph)   | 85 (96*)  |
| Service Ceiling (ft)  | 15,000    |
| Absolute Ceiling (ft)   | 17,000    |
| Max Speed (mph)   | 175       |
| Optimum Cruising Speed (75% power, optimum altitude, 6600 ft) (mph)       | 165       |
| Cruise Speed at best power mixture (mph)                                  |           |
| 65% power, 9,750 ft   | 159       |
| 55% power, 13,000 ft  | 150       |
| Range at best power mixture (mi)**  |           |
| 75% power, 6600 ft  | 665       |
| 65% power, 9750 ft  | 715       |
| 55% power, 13,000 ft  | 765       |
| Cruise Speed at best economy mixture (mph)                                |           |
| 75% power, 6600 ft  | 156       |
| 65% power, 9700 ft  | 148       |
| 55% power, 13,100 ft  | 141       |
| Range at best economy mixture (mi)**                                      |           |
| 75% power, 6600 ft  | 740       |
| 65% power, 9700 ft  | 785       |
| 55% power, 13,100 ft  | 850       |
| Stalling Speed (flaps and gear down) (CAS) (mph)                          | 64        |
| Stalling Speed (flaps and gear up) (CAS) (mph)                            | 71        |
| Landing Roll (flaps down) (ft)  | 780       |
| Landing Roll Over 50-ft Obstacle (ft)                                     | 1380      |

\*Gear retracted

\*\*No reserve

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ISSUED: JULY 13, 1973



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Supplement No. 6

FAA APPROVED  
AIRPLANE FLIGHT MANUAL SUPPLEMENT NO. 6  
PIPER PA 28R-200  
S/N 28R-35001 THROUGH 28R-7635516  
AIRPLANE FLIGHT MANUAL  
PIPER REPORT NO. VB-175, VB-343, OR VB-500

SERIAL NO. 28R-7635034

REGISTRATION NO. N4389X

This supplement must be attached to the FAA Approved Airplane Flight Manual when the airplane is modified by the installation of a Hartzell HC-C3YR-IRF/F7282 propeller in accordance with STC SA4528NM.

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures and performance information not contained in this supplement, consult the basic Airplane Flight Manual.

*ACTING* H H Shwed

Manager, Flight Test Branch, ANM-160L  
Federal Aviation Administration  
Los Angeles Aircraft Certification Office  
Transport Airplane Directorate

FAA APPROVED - DATE: JAN 25, 1989

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AFM Supplement  
to Piper PA-28R-200  
STC SA4528NM

Supplement No. 6:

1. Limitations Section

Propeller

Hartzell HC-C3YR-IRF/F7282  
Pitch: High 30.5°, Low 9.2°  
30 inch station  
Maximum diameter - 74 inches  
Minimum diameter - 73 inches  
Avoid continuous operation below  
15 inches HG between 1950 to 2350 rpm

Power Instruments

Tachometer: (normal operating range)  
Green Arc 500 to 2700 rpm  
red radical (maximum continuous  
power) 2700 rpm

Placards

Between the tachometer and the manifold  
pressure guage. "AVOID CONTINUOUS  
OPERATION BELOW 15 INCHES HG BETWEEN  
1950 TO 2350 RPM."

2. Procedures Section

No change from basic Owners Manual

3. Performance Section

No change from basic Owners Manual

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