



# HB-PIG

Technical Datasheet

## Piper PA28-201 Arrow III

**Not for operational use!**

### Basic Information

Aircraft Type	Piper PA28-201 Arrow III
ICAO Designator	P28R
Year built	1978
Engine	Lycoming IO-360-C1C6
Propeller	MT Propeller MTV-12-B/180-17
Engine Power	200 HP
Range	695 NM / 1287 km

### Avionics

Primary Instruments	Dual Garmin G5
NAV / COMM	Garmin GTN750Xi (COMM2/ NAV 1), Garmin GNC255 (COMM2 / NAV2)
GPS	Garmin GTN 750 Xi
XPDR	Garmin GTX 328
Audio Panel	Garmin GMA 345 ft. Bluetooth Connectivity
Autopilot	Garmin GFC500
FLARM	Air Avionics AT1

### Speeds @ MTOW

<b>V<sub>GLIDE</sub> Best Glide</b>	<b>79 KIAS</b>
V <sub>R</sub> (Flaps 25°)	60 KIAS
V <sub>R</sub> (Flaps 0°)	71 KIAS
V <sub>so</sub> Stall Speed (Flaps 40°, gear down)	55 KIAS
V <sub>s1</sub> Stall Speed (Flaps 0°, gear up)	60 KIAS
V <sub>Barrier</sub> (Flaps 0°/ 25°, regardless of gear pos.)	71 KIAS / 65 KIAS
V <sub>x</sub> Best angle of climb (Flaps 0°)	78 KIAS
V <sub>y</sub> Best rate of climb (Flaps 0°, gear up)	90 KIAS
V <sub>cruise Climb</sub> (Flaps 0° >2000 ft AAL)	104 KIAS
V <sub>A</sub> Maneuvering speed @ empty weight	96 KIAS
V <sub>A</sub> Maneuvering speed @ MTOW	118 KIAS
V <sub>p clean</sub> min. clean speed	75 KIAS
V <sub>ne</sub> Never Exceed Speed	183 KIAS
V <sub>FE</sub> Flaps extended speed white arc	104 KIAS
V <sub>app</sub> (Flaps 0°)	80 KIAS
V <sub>app</sub> (Flaps 40°)	75 KIAS
V <sub>LE</sub> (max. gear retraction speed)	107 KIAS
V <sub>LO</sub> (max. gear extension / operation speed)	104 KIAS
V <sub>CRUISE</sub> Cruising Speed 65 % @ 6000 ft	123 KIAS
Max. Crosswind Component	17 KTS



## Fuel System

Total Capacity

2 x 38.5 USG = 77 USG / 291.5 Liter

Usable fuel

2 x 36.0 USG = 72.0 USG / 272.5 Liter

Fuel Filler Neck

2 x 25.0 USG = 50.0 USG / 189.3 Liter

Approved fuel types

AVGAS 100 LL

## Fuel Consumption (PA 6000ft, ISA)

65% Best Power Mixture (123 KTAS)

10.2 USG/ h / 38.7 Liter/h

## Weights:

MTOM Maximum Takeoff Mass

1247 kg / 2750 lbs

MLM Maximum Landing Mass

1247 kg / 2750 lbs

max. Weight in Baggage Area

90 kg / 200 lbs

Basic Empty Weight

801.8 kg / 1767.6 lbs

Last updated: 22.05.2023