## Performance and Specifications

### ENGINE
- Manufacturer: Lycoming
- Model: IO-540-K1G5
- Horsepower: 300 hp
- Number of Cylinders: 6

### PROPPELLER
- Manufacturer: Hartzell
- Number of Blades: 3
- Type: Constant Speed

### WEIGHTS
- Maximum Take-off Weight: 3,600 lbs/1,633 kg
- Maximum Ramp Weight: 3,615 lbs/1,640 kg
- Standard Equipped Weight: 2,214 lbs/1,004 kg
- Standard Useful Load (a and b): 1,401 lbs/636 kg
  
  **a.** Standard useful load is maximum ramp weight minus standard equipped weight.
  
  **b.** Useful load is indicated for a standard equipped aircraft.

### DIMENSIONS
- Wing Span: 36.2 ft/11.0 m
- Length: 27.9 ft/8.5 m
- Height: 9.5 ft/2.9 m
- Cabin Length: 124.25 in/315.6 cm
- Cabin Width: 48.75 in/123.8 cm
- Cabin Height: 42.0 in/106.7 cm
- Headroom (Seat to Ceiling):
  - Front Seats: 38 in/96.5 cm
  - Middle Seats: 35.75 in/90.8 cm
  - Rear Seats: 34.50 in/87.6 cm

### WING AREA
- Wing Area: 178.3 ft²/16.56 m²

### FUEL AND OIL CAPACITY
- Usable Fuel: 102 gal/386 liters
- Oil Capacity: 12 qts/11.4 liters

### MAXIMUM SPEED
- TAS
  - Mid-Cruise Weight: 155 kts/287 km/h

### CRUISING SPEED
- TAS
  - Normal Cruise Speed: @7,200 ft 148 kts/274 km/h

### CRUISING RANGE
- Long Range: 804 nm/1,489 km

### STALL SPEED
- IAS
  - Flaps Full Down 40°: 59 kias/109 km/h

### SERVICE CEILING
- (100 FPM @ 3,000 lbs): 17,200 ft/5,243 m

### BAGGAGE
- Volume
  - Forward Compartment: 7 ft²/0.2 m³
  - Aft Compartment: 17.3 ft²/0.49 m³
- Capacity
  - Forward Compartment: 100 lbs/45.4 kg
  - Aft Compartment: 100 lbs/45.4 kg

### TAKE-OFF DISTANCE
- Ground Roll: 1,284 ft/391 m
- Total over 50 ft Obstacle: 2,028 ft/618 m
- Flaps 25°

### LANDING DISTANCE
- Ground Roll: 911 ft/278 m
- Total over 50 ft Obstacle: 1,822 ft/555 m
- Flaps 40°
Prices and Equipment

2005 PRODUCT INFORMATION

PIPER 6X STANDARD AVIONICS EQUIPPED LIST PRICE
Please contact your dealer for applicable delivery timing and standard aircraft pricing.

The New Piper Aircraft, Inc. reserves the right to make changes in specifications, materials, equipment, or prices at any time without prior notice or to discontinue models as required.

PIPER 6X WITH AVIDYNE STANDARD EQUIPPED LIST PRICE
Avidyne Flight Max Entegra Flat Panel Display Aircraft Include:
- PFD, MFD, 2nd GNS-430, Autopilot with Electric Trim, Integrated Altitude Preselect, and standby instruments (airspeed, altimeter, electric attitude indicator with back-up battery).

Please contact your dealer for applicable delivery timing and standard aircraft pricing.

The New Piper Aircraft, Inc. reserves the right to make changes in specifications, materials, equipment, or prices at any time without prior notice or to discontinue models as required.

POWERPLANT AND PROPELLER
Engine-Lycoming IO-540-K1G5 300 HP At 2700 RPM
- Direct Drive, 6 Cylinder, Fuel Injection Dual Magnetos/Ignition with Shielding
- Dynafocal Engine Mounts with Internal Dampers
- Light Weight Geared Starter, 28 Volt
- Air Filter
- Full Flow Oil Coolers (Two) with Thermostatic Control
- Muffler and Exhaust System
- Alternate Induction Air with Manual Control
- Oil Quick Drain
- Dual Engine Driven Vacuum Pumps
- Propeller - Hartzell, 3 Blade, Constant Speed
- Polished Propeller Spinner

FLIGHT INSTRUMENTS AND INDICATORS
STANDARD AVIONICS
- Piper Truespeed Indicator
- Magnetic Compass (Illuminated)
- Attitude Directional Indicator
- Directional Gyro
- Rate of Turn Indicator
- Rate of Climb Indicator
- Engine Instrument Indicators
  - Manifold Pressure Indicator
  - RPM Indicator
  - Exhaust Gas Temperature and Fuel Flow Indicator
  - Oil Temperature and Oil Pressure Indicator
  - Cylinder Head Temperature and Vacuum Indicator
  - Fuel Quantity L/R
- DVR 300I-XT Electric Clock with Voice Recorder

AVIDYNE AVIONICS PACKAGE
- Primary Flight Display - Displays all required flight instrumentation and EHSI on 10.4” screen
  - Solid State AD/IRS
  - Attitude
  - Airspeed
  - Rate of Climb

Multi Function Display
- Moving Map
- Advanced Terrain Mapping
- EMax Engine Indication System
- Trip Summary

Engine Instrument Indicators – Displayed on MFD
- Manifold Pressure
- RPM
- Exhaust Gas Temperature (6)
- Fuel Flow
- Oil Temperature and Oil Pressure
- Cylinder Head Temperatures (6)
- L & R Fuel Quantity
- Fuel Management including GPS Interface
- Percent Power
- Electrical System Performance
- Exceedence Monitoring and Recording

STANDARD AND AVIDYNE AIRCRAFT
- AN Heated Pitot Head and Dual Flush Static Ports
- Alternate Instrument Static Source
- Engine Hour Recorder
- Annunciator Panel with Push-to-Test and Day/Night Switch

- Oil Pressure
- Alternator Inoperative
- Low Bus Voltage
- Vacuum No. 1 Inoperative (STD Aircraft Only)
- Vacuum No. 2 Inoperative (STD Aircraft Only)
- Starter Engage
- Nose Baggage Door Ajar
- Pitot Heat Off/Inoperative

COCKPIT, FLIGHT AND GROUND CONTROLS
Primary Flight Controls, Dual Hytrel Control Wheels with Mic Buttons
- Engine Controls-Pedestal with Friction Lock
  - Throttle
  - Propeller
  - Mixture (with Lock)
- Alternate Induction Air
- Flight Trim Controls
  - Rudder with Indicator
  - Stabilator with Indicator
- Stall Warning Horn
- Steerable Nosewheel
- Heavy Duty Brake System
  - Pilot’s Toe Brakes
  - Co-Pilot’s Toe Brakes
  - Parking Brake
- Main Wheels, 6.00 X 6 Tires and Tubes, 8 Ply
- Nose Wheel, 6.00 X 6 Tire and Tube, 8 Ply
- Wing Flaps, manually operated with four pre-selected positions (0, 10, 25 & 40 Degrees)
- Fuel Control Selector with off/right/left, guarded OFF position

Overhead Switch Panel:
- Bar Guarded Push to Start
- Battery Master
- Alternator
- Bar Guarded Electric Fuel Pump
- Bar Guarded Magneto Switches
- Landing Light
- Navigation Lights
- Strobe Lights
**ELECTRICAL SYSTEM**
- 24 Volt, 10 Amp Hour Battery
- 28 Volt, 85 Amp Alternator
- External Power Receptacle
- Master Switch Relay
- Alternator Control Unit
- Resettable-Type Circuit Breakers
- Back Lighted Rocker Switches, conveniently grouped on pilot’s instrument panel and overhead panel
- Static Discharge Wicks

**FUEL SYSTEM**
- Two Interconnected Fuel Tanks per Wing with 107 Gallons Total Capacity, 102 Gallons Usable
- Flush Lockable Fuel Caps
- Engine Driven Fuel Pump
- Electric Emergency Fuel Pump
- Fuel Quantity Gauge, Inboard Tanks, Two
- Fuel Tank Quick Drains, Two
- Fuel System Central Drain
- Fuel Sampling Bottle

**LIGHTING SYSTEMS**
- External Lighting
  - Landing Light on Nose Landing Gear
  - Navigation Lights
  - Wing Tip Comet Strobe Lights
  - Low Profile Red Tail Strobe Light
- Cockpit Lighting
  - Instrument Panel Lighting
  - Avionics Dimming
  - Overhead Map Lights
  - Cockpit Entry Light
- Cabin Lighting
  - Cabin Reading Lights, Four
  - Forward Baggage Compartment Light
  - Cabin Entry Light

**CABIN COMFORT SYSTEM**
- Heater Muff, provides heat to cabin area, regulated by control on panel with six floor heat outlets
- Windshield Defrosters and Control
- Cabin Air Exhaust Vents, Two
- Cabin Fresh Air Vents, six-individually controlled overhead and four vents, floor mounted and individually controlled

**EXTERNAL FEATURES**
- Polyurethane Exterior Finish
- 12” Registration Numbers
- Full Chemical Corrosion Protection
- Cabin Doors, Two-Cockpit (Right Forward) and Cabin (Left Rear)
- Tie Down Rings, Three
- Jack Pads
- Locks and Keys with Piper Logo
- Fore and Aft Cabin and Nose Baggage Doors, Lockable
- Utility Door for Rear Baggage Access and Cargo Loading
- Stowable Towbar
- Cockpit Entrance Step

**COCKPIT AND CABIN APPOINTMENTS**
- Forward Cabin Door Single-Lever Locking System
- Choice of two Interior Colors which include: simulated leather seats, side panels, wall to wall carpeting and headliner
- Pilot/Co-Pilot vertically adjustable seats with inflatable lumbar support, magazine storage pockets on back of each seat with headrests, fore/aft and tilting adjustment with inertial reels, shoulder and safety belts
- Accessory Power Point, 28 Volt
- Map Pockets, Two
- Pilot’s Storm Window
- Survisors, Two
- Scuff Pads, Pilot and Co-Pilot
- Tinted Windshield and Windows
- Door Closing Strap, Aft Cabin
- Six (6) Seat Lounge Interior Group with improved comfort seats, headrests for all seats, club seating arrangements with shoulder harness and seat belts, rear seats incorporate quick release feature for easy removal
- Luggage Compartments with Security Straps
  - Rear Cabin, 17.3 Cu. Ft. - 100 Lbs. Capacity
  - Fuselage Nose, 7.0 Cu. Ft. - 100 Lbs. Capacity
- Compass Correction Card with Holder
- Halon Fire Extinguisher

**PRODUCT SUPPORT/DOCUMENTS**
- Manufacturers Full Two Year Limited Warranty
- Initial Pilot Training Slot (1) at SimCom International Inc. - VRB
- Pilot’s Operating Handbook
- Aircraft Log Book
- Engine Log Book
- Certificate of Airworthiness
- Flight Bag
- Piper Warranty/Inspection Form

**STANDARD GARMIN/S-TEC AVIONICS PACKAGE**
- COMM/NAV/GS/GPS/ #1 GNS-430
- 2nd COMM Transceiver Apollo SL40
- Digital Transponder with Traffic Information System GTX-330
- Audio Panel with Marker Beacon and Intercom GMA-340
- Altitude Encoder
- Control Wheel Mic Button
- Avionics Master Switch
- Microphone
- Headset Telex Airman
- Speaker with Mic/Phone Jacks
- Static Discharge Wicks
- Automatic Emergency Locator Transmitter (ELT)

**AVIDYNE EQUIPPED AVIONICS PACKAGE**
- Primary Flight Display Avidyne EXP5000
- Multi Function Display Avidyne E5000
- COMM/NAV/GS/GPS #1 Garmin GNS-430
- COMM/NAV/GS/GPS #2 Garmin GNS-430
- Autopilot S-TEC System 55x
- Integrated Altitude Pre-Selector (on PFD)
- Vacuum Pumps Removed — All electric airplane
- Audio Panel Garmin GMA 340
- Digital Transponder with Traffic Garmin GTX-330
- Information System
- Control Wheel Mic Button
- Avionics Master Switch
- Microphone
- Headset Telex Airman
- Speaker with Mic/Phone Jacks
- Static Discharge Wicks
- Automatic Emergency Locator Transmitter (ELT)
## Optional Equipment

<table>
<thead>
<tr>
<th>Optional Equipment</th>
<th>List Price</th>
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<tbody>
<tr>
<td><strong>AVIONICS:</strong></td>
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<tr>
<td>598 Premium IFR Avionics Package</td>
<td>$57,425</td>
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<tr>
<td>STANDARD AVIONICS PLUS:</td>
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<tr>
<td>GNS-530, System 55x Autopilot with Electric Trim and Altitude Pre-select, Slaved HSI</td>
<td>(Not Available on Avidyne Equipped Aircraft)</td>
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<tr>
<td>550 2nd GNS-430 with GI-106A GPS/VOR/LOC/GS Indicator</td>
<td>$13,365</td>
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<tr>
<td>340 Situational Awareness Package</td>
<td>$37,990</td>
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<tr>
<td>Skywatch and Stormscope displayed on Garmin GNS or Avidyne MFD (GTX-330 Traffic Information System Disabled with Option 340)</td>
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<tr>
<td>575 DME 450</td>
<td>$9,135</td>
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<tr>
<td>525 RCR-650D ADF with Indicator</td>
<td>$6,235</td>
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<tr>
<td>260 ELT Deletion</td>
<td>($75)</td>
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<tr>
<td>250 Avidyne Integrated Weather Data Link</td>
<td>$4,365</td>
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<tr>
<td>225 GI-106A GPS/VOR/LOC/GS Indicator</td>
<td>$2,480</td>
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<tr>
<td><strong>INTERIOR:</strong></td>
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<tr>
<td>675 Premium Interior Package</td>
<td>$26,215</td>
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<tr>
<td>Leather Seats, Carpet Upgrade, Air Conditioning, 6 Place Intercom, 4 Passenger Headsets</td>
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<tr>
<td>201 Piper Aire Air Conditioning</td>
<td>$14,885</td>
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<tr>
<td>665 Soundproofing &amp; Insulation</td>
<td>$5,560</td>
</tr>
<tr>
<td>390 Fresh Air Blower Fan &amp; Aft Baggage Hat Shelf</td>
<td>$1,950</td>
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<tr>
<td><strong>EXTERIOR:</strong></td>
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<tr>
<td>274 Solid Bottom Base Paint Scheme</td>
<td>$3,805</td>
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<tr>
<td>710 Metallic Paint Option</td>
<td>$720</td>
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<tr>
<td>(Requires Option 274)</td>
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<tr>
<td>720 Outlined Registration Number</td>
<td>$525</td>
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<tr>
<td>730 Shadowed Registration Number</td>
<td>$525</td>
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</tbody>
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**INTERIOR STYLING**
Interiors include color coordinated simulated leather seats, side panels, and carpeting. The Designer Interiors are offered in a choice of the following colors: Khaki and Quartz.

**EXTERIOR STYLING**
Standard 2005 Exterior Styling offers a choice of single or two-tone base colors in DuPont Imron Polyurethane Paint with a choice of metallic or non-metallic color for the trim stripes.