

Performance and Specifications

ENGINE

Manufacturer	Lycoming
Model	TIO-540-AH1A
Horsepower	300 hp
Number of Cylinders	6

PROPELLER

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	2,274 lbs/1,031 kg
Standard Useful Load (a and b)	1,341 lbs/609 kg

a. Standard useful load is maximum ramp weight minus standard equipped weight.

b. Useful load is indicated for a standard equipped aircraft.

MAXIMUM SPEED

Mid-Cruise Weight	@ 10,000 ft 172 kts/319 km/h
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CRUISING SPEED

High Performance Cruise	@10,000 ft 161 kts/298 km/h
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CRUISING RANGE

Cruising range includes 45 minute fuel reserve at long range power plus allowance for fuel used during taxi, take-off, climb at maximum climb power, cruise and descent

Long Range Cruise Power	931 nm/1,724 km
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STALL SPEED

Flaps Down Full 40°	59 kias/109 km/h 59 kcas/109 kn/h
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MAXIMUM OPERATING ALTITUDE

Maximum Operating Altitude	20,000 ft/6,096 m
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PIPER 6XT

P A 3 2 - 3 0 1 X T C

2005 PRODUCT INFORMATION

DIMENSIONS

Wing Span	36.2 ft/11.0 m
Length	27.8 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 ft ² /16.56 m ²
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FUEL AND OIL CAPACITY

Usable Fuel	102 gal/386 liters
Oil Capacity	12 qts/11.4 liters

BAGGAGE

Volume	
Forward Compartment	7 ft ³ /0.2 m ³
Aft Compartment	17.3 ft ³ /0.49 m ³
Capacity	
Forward Compartment	100 lbs/45.4 kg
Aft Compartment	100 lbs/45.4 kg

TAKE-OFF DISTANCE

Ground Roll	1,397 ft/426 m
Total over 50 ft Obstacle Flaps 25°	1,888 ft/575 m

LANDING DISTANCE

Ground Roll	911 ft/278 m
Total over 50 ft Obstacle Flaps 40°	1,822 ft/555 m


Freedom of flight

Prices and Equipment

2005 PRODUCT INFORMATION

PIPER 6XT 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 6XT 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).

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POWERPLANT AND PROPELLER

Engine-Lycoming IO-540-AH1A 300 HP at 2500 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
- Turbine Inlet 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 ADAHRS
- Attitude
- Airspeed
- Altitude
- Rate of Climb

- Primary Engine Gauges (MAP, RPM, Oil Pressure and Fuel Flow)
- EHSI with Moving Map
- Outside Air Temperature
- Wind Vector

Multi Function Display

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

Engine Instrument Indicators – Displayed on MFD

- Manifold Pressure
- RPM
- Turbine Inlet Temperature
- Fuel Flow
- Oil Temperature and Oil Pressure Indicator
- 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 Hytel 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
Sunvisors, 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 EX5000
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 Information System	Garmin GTX-330
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

<u>OPTIONAL EQUIPMENT</u>	<u>LIST PRICE</u>
AVIONICS:	
598 Premium IFR Avionics Package	\$ 57,425
STANDARD AVIONICS PLUS:	
GNS-530, Sytem 55x Avutopilot with Electric Trim and Altitude Pre-select, Slaved HSI (Not Available on Avidyne Equipped Aircraft)	
550 2nd GNS-430 with GI-106A GPS/VOR/LOC/GS Indicator (Not Available on Avidyne Equipped Aircraft)	\$ 13,365
340 Situational Awareness Package Skywatch and Stormscope displayed on Garmin GNS (GTX-330 Traffic Information System Disabled with Option 340)	\$ 37,990
575 DME-450	\$ 9,135
525 RCR-650D ADF with Indicator (Not Available on Avidyne Equipped Aircraft)	\$ 6,235
260 ELT Deletion	(\$ 75)
250 Avidyne Integrated Weather Data Link (Requires Avidyne Equipped Aircraft)	\$ 4,365
225 GI-106A GPS/VOR/LOC/GS Indicator (Requires Avidyne Equipped Aircraft)	\$ 2,480
INTERIOR:	
675 Premium Interior Package – Leather Seats, Carpet Upgrade, Air Conditioning, 6 Place Intercom, 4 Passenger Headsets	\$ 26,215
201 Piper Aire Air Conditioning	\$ 14,885
665 Super Soundproofing & Insulation	\$ 5,560
390 Fresh Air Blower Fan & Aft Baggage Hat Shelf	\$ 2,990
375 Oxygen	\$ 8,685
EXTERIOR:	
274 Solid Bottom Base Paint Scheme	\$ 3,805
710 Metallic Paint Option (Requires Option 274)	\$ 720
720 Outlined Registration Number	\$ 525
730 Shadowed Registration Number	\$ 525

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.



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