

MATRIX

Pricing and Performance Specifications
2010 MATRIX



 **Piper**

SPECIFICATIONS**Weights**

Maximum Take-off Weight: 4,340 lbs (1,969 kg)
 Maximum Ramp Weight: 4,358 lbs (1,977 kg)
 Standard Equipped Weight: 2,969 lbs (1,347 kg)
 Standard Useful Load: 1,389 lbs (630 kg)

Dimensions

Wing Span: 43.0 ft (13.1 m)
 Length: 28.9 ft (8.8 m)
 Height: 11.3 ft (3.4 m)

Fuel Capacity

Useable: 120 US gal (454 liters)

Cruising Speed: TAS

Maximum at 25,000 ft: 213 kts (395 km/h)
 Maximum at 12,000 ft: 188 kts (348 km/h)

Range with 45 Minute Reserve

Maximum Cruise Speed at 25,000 ft (1,020 nm)
 Maximum Cruise Speed at 12,000 ft (970 nm)
 Long Range Cruise Speed at 25,000 ft (1,343 nm)
 Long Range Cruise Speed at 12,000 ft (1,288 nm)

Service Ceiling

Maximum Approved Altitude: 25,000 ft (7,620 m)

Take-off Distance: Flaps 20°, Max Take-Off Weight

Ground Roll: 1,087 ft (331 m)
 Total over 50 ft Obstacle: 2,090 ft (637 m)

Landing Distance: Flaps 36°, Max Landing Weight

Ground Roll: 1,020 ft (311 m)
 Total over 50 ft Obstacle: 1,968 ft (600 m)

Piper Aircraft, Inc. reserves the right to make changes, including, but not limited to, changes in specifications, materials, equipment and/or prices at any time without prior notice. It is the responsibility of the pilot to conduct all operations in accordance with the approved Pilot's Operating Handbook, which is the only official source of data.

STANDARD EQUIPMENT

Engine: Turbocharged Lycoming TIO-540-AE2A
 Horsepower: 350
 Number of Cylinders: 6
 TBO: 2,000 hours

Propeller: Hartzell 3 Blade, Composite, Constant Speed

Avionics

Avidyne Entegra Flat Panel Display System (Includes 1 PFD and 1 MFD)
 Dual Garmin GNS 430W NAV/COM/GPS (WAAS Enabled)
 S-TEC 55X Autopilot
 EMax Engine Monitoring System
 CMax Electronic Approach Charts
 GTX 330 Transponder
 GMA 340 Audio Panel
 MLB 700 (US only)

Natural Leather Seats**PiperAire Air Conditioning**

* FLY-AWAY-FACTORY (F.A.F.) Vero Beach, FL.
 Dealer delivery and local taxes extra.

OPTIONAL EQUIPMENT**Avidyne Avionics Equipment Options**

420: Premium Avionics Package – \$28,900
 Avidyne TAS610 Dual Antenna Traffic Advisory System
 Avidyne TWX670 Tactical Weather Detection System, and
 Stand-by Flight Instruments
524: ADF – King KR 87 with KI 227 Indicator – \$9,000
563: DME – King KN 63 – \$12,500

Garmin G1000 Avionics Equipment Options

GAR: Garmin G1000 Avionics Suite with Synthetic Vision – \$50,000
 Dual 10" PFDs, Single 15" MFD, Dual GIA 63W NAV/COM/GPS (WAAS Enabled), GMC 710 AP Controller, GCU 476 Keypad, Garmin FliteCharts, SafeTaxi, GMA 347 Audio Panel, Dual GDC 74A Air Data Computers, GFC 700 Autopilot, GTX 33 Transponder, and Stand-by Flight Instruments
340: Enhanced Situational Awareness Package – \$65,000
 KTA 870 (Traffic Advisory System), WX-500 Stormscope, TAWS-B

235: Jeppesen ChartView – \$3,600
268: GWX-68 Weather Radar – \$36,800
269: XM Satellite Radio/Weather Receiver, Garmin GDL 69A – \$9,600
524: ADF – King KR 87 – \$7,200
563: DME – King KN 63 – \$9,300
630: Second Digital Transponder GTX 33 – \$8,400

Miscellaneous Equipment

298: Flight Into Known Icing (FIKI) – \$56,400
 Wing Ice Protection – Boots
 Empennage Ice Protection – Boots
 Propeller Ice Protection – Heated
 Windshield Ice Protection – Heated (Pilot side only)
460: Hot Prop – \$10,200
470: Speed Brakes – \$10,000

AMSAFE: AmSafe Aviation Airbag System (1 ship set) – \$5,200
(Installed at Piper Service Center)

Exterior Paint Options

710: Bottom Metallic Base Color – \$2,000
715: Non-standard approved Matrix Paint Scheme –
 Quoted on request

International Options

363: United Kingdom Lighting Package – \$1,200
(UK Aircraft only, if required)

Interior Styling

The Matrix interior utilizes an off-white headliner, color-coordinated carpeting, and matching leather side panels. All six seats are leather. Color schemes offered: Light Khaki, Dark Khaki, Light Quartz or Dark Quartz.

Exterior Styling

Standard 2010 Exterior Styling offers a two-tone base scheme in DuPont Imron polyurethane paint with a choice of metallic or non-metallic trim color for the trim stripes.

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