

# MERIDIAN M500



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**Piper**<sup>®</sup>



## Sacrifice Nothing

Sleek and sexy without sacrificing safety, the Meridian M500 is the profile of perfection. This single engine turboprop, with the latest in Garmin safety technology, remains a study in priorities. Six-place seating and a pressurized cabin comfortably accommodate passengers, while the 500 shp Pratt & Whitney PT6-42A turbine satisfies the most discerning pilot by providing adrenaline-inducing, powerful performance and unmatched reliability. Like its Meridian predecessor before, the M500 is efficient, elegant, and capable – and still the best value in its class.





# Revolutionary Enhancements

The turboprop M500 evolved from the popular Piper Meridian. Piper Aircraft's latest revolutionary product features a long list of improvements, beginning with a significant upgrade to the Garmin G1000 avionics. The M500 offers intuitive Garmin G1000 technology with the latest enhancements, including the augmented safety offered by the enhanced AFCS (Autopilot Flight Control System).

Additionally, the engineers at Piper added a centrally located single audio panel, three dual USB charging ports (one cockpit, two cabin), Aspen EFD1000 standby instrument, electroluminescent placards, and digital cabin pressurization. The optional GTS 825 Traffic Advisory System, when coupled with the GTX 33ES, provides the aircraft with ADS-B In and Out functionality. M500 is also available with the optional Garmin GSR-56 Global Satellite Datalink Iridium Satellite Transceiver, rivaling the competition with this extensive list of revolutionary enhancements.



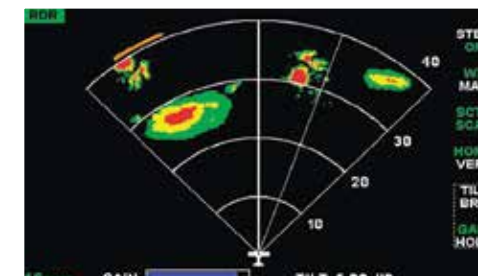
## Primary Flight Displays (PFD)

Two high-resolution Primary Flight Displays put the flight instruments in direct line of sight from both left and right seats with no distracting parallax view.



## Multi-Function Flight Display (MFD)

In the center of the panel, engine data, charts, traffic, weather, flight plans, menus and more are displayed on the large format, high-resolution, 12.4" display. Garmin's intuitive, user-friendly interface makes the MFD simple to navigate, and puts a wealth of information at your fingertips.



## Weather Monitoring

The M500 offers the unsurpassed optional on-board radar capabilities of the Garmin GWX 68 digital color radar. The GWX 68 registers and reports back the weather ahead with its 6.5 kilowatts of power. In addition, with a subscription to XM WX Satellite Weather, the GDL 69A provides datalink weather, with NEXRAD radar, winds aloft, METARs, TAFs, lightning, icing, and other information available in the U.S.



## Garmin GFC 700

The fully integrated flight control system provides exceptional flight automation with a dual AHRS-based system. The system offers top safety features and incomparable performance, seamlessly integrating a flight director, autopilot, automatic trim and yaw damper into the G1000 suite.



# Piper's Got Your Back Up Front

The Piper M500 is the only single engine turboprop to feature the latest Garmin G1000 software and associated remarkable enhanced safety features that discerning customers demand. The new avionics suite features the most advanced Garmin technology for the G1000. The progressive configuration of the Garmin G1000 flight deck, integrated with the GFC 700 flight control system, comes standard with the enhanced Autopilot Flight Control System. This industry-leading safety equipment includes all of the revolutionary advancements required to fly safely, securely, and effortlessly.

## Synthetic Vision

Garmin Synthetic Vision Technology takes situational awareness to a new level, regardless of what you can or cannot see through the windshield. Acquiring information from multiple certified databases, synthetic vision graphically depicts obstacles, terrain, water, and airports, providing you with all of the information you require for safer travel.



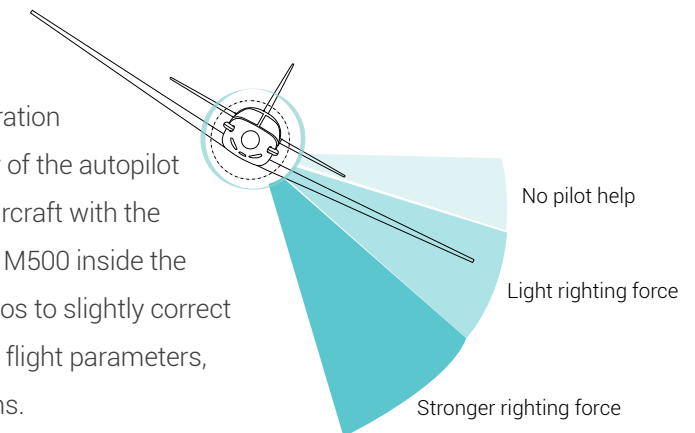
## Automatic Level Mode (Blue Button)

The M500 features the pinnacle of pilot and passenger peace of mind: Level Mode, a function that, when triggered, will return the aircraft to a wings level attitude with zero vertical speed. Upon activation, Level Mode will automatically engage the flight director and autopilot functions to return the aircraft to straight and level flight. By simply pressing the blue button, Level Mode is activated and cancels all armed and active modes, without impeding other autopilot modes available. This ingenious additional safety measure provides further reassurance for pilot and passengers in the circumstantial case it would be required.



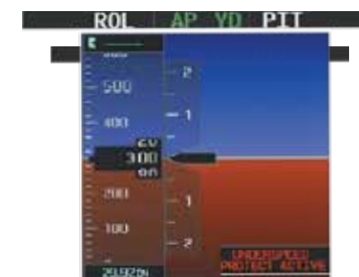
## Electronic Stability Protection (ESP)

Preventing the onset of stalls, spins, steep spirals, and loss-of-control conditions, this passive feature discourages aircraft operation outside the desired flight envelope. ESP functions independently of the autopilot system, and only takes effect when the pilot is hand-flying the aircraft with the autopilot disengaged. It works as a soft barrier to keep the Piper M500 inside the preferred performance envelope by automatically engaging servos to slightly correct control surface positions when the aircraft exceeds one or more flight parameters, essentially encouraging it back inside optimal flight specifications.



## Underspeed Protection (USP)

Underspeed Protection (USP) is an intuitive flight director function that reacts to underspeed conditions in a way that allows the autopilot to remain engaged, but prevents the airplane from stalling.



## Coupled Go-Around

With stall protections developed as part of the USP system, coupled go-arounds are possible without disengaging the autopilot. With this feature, the autopilot remains engaged and will fly the missed approach. If power is not added, the USP system will maintain a speed just above stall warning, adjusting airplane pitch attitude as required.

## GTS 825 + GTX 33ES = ADS-B In and Out

The standard GTX 33ES provides ADS-B out functionality. ADS-B In can be achieved by adding the optional GTS-825 Traffic Advisory System. The GTS-825 (ADS-B In) traffic systems provide a comprehensive traffic picture. It can track up to 75 targets within a 40 nm interrogation range. Additionally, spoken ATC-like aural alerts help manage your safe flight.



# Specifications

MERIDIAN M500 | \$2,264,250\*\*

Standard Equipped List Price

## Engine

Pratt & Whitney Canada PT6A-42A

Horsepower: Flat Rated at 500 shp

TBO: 3,600 hours

Hot Section Inspection: 1,800 hours

## Propeller

Hartzell 4 Blade | Constant Speed | Reversible

Diameter: 82 in | 208 cm

## Weights

Maximum Takeoff Weight: 5,092 lbs | 2,310 kg

Maximum Ramp Weight: 5,134 lbs | 2,329 kg

Standard Equipped Weight: 3,436 lbs | 1,559 kg

Standard Useful Load: 1,698 lbs | 770 kg

## Dimensions

Wingspan 43.0 ft/13.1 m | Length 29.6 ft/9.0 m | Height 11.3 ft/3.4 m

## Standard Equipment

### AVIONICS

Garmin G1000 Avionics Suite with Synthetic Vision  
Dual 10.4" PFDs, Single 12.4" MFD, Dual GIA 63W NAV/COM/GPS, GFC 700 Autopilot with Enhanced AFCS and GMC 710 AP Controller, GCU 476 keypad, Garmin FliteCharts, SafeTaxi, GMA 350 Digital Audio Panel, Dual GDC 74A Air Data Computers, GTX 33ES Transponder (ADS-B out capability), GWX 68 Weather Radar, Aspen EFD 1000 Standby Flight Instruments, and Digital Cabin Pressurization

### OTHER EQUIPMENT

Flight Into Known Icing (FIKI), PiperAire Air Conditioning, Dual GRS77 AHRS Computers, Yaw Damper System (integrated with GFC 700), Hardwired Cockpit Bose A20 Headsets, Three USB Charging Ports (one cockpit, two cabin)

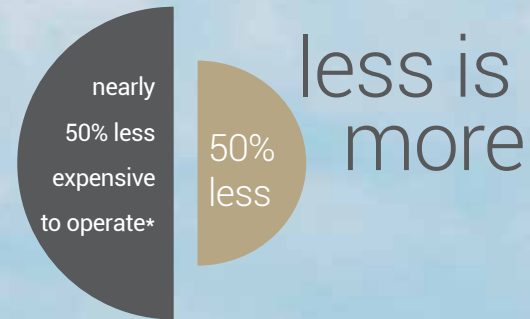
## Optional Equipment

### AVIONICS EQUIPMENT OPTIONS

- 215: 110 Volt AC Power Outlet – \$6,000
- 235: Jeppesen ChartView – \$4,110  
(one year subscription to Jeppesen PilotPak)
- 256: GSR 56 Iridium Transceiver – \$16,700
- 269: GDL 69A XM WX Satellite Radio Weather – \$11,350  
(includes GRC 10 remote)
- 330: WX-500 Stormscope – \$11,350
- 352: ADF Becker 3500 – \$14,700 (pending approval)
- 450: TAWS-B – \$12,500
- 563: DME BendixKing KN 63 – \$10,600
- 631: GTX 33ES Second Digital Transponder – \$10,455
- 641: Diversity Digital Transponder – GTX33D ES with Dual Antennas  
(Required for European Aircraft - exchange for STD GTX33ES) – \$14,500
- 825: GTS 825 Traffic Advisory System – \$34,300  
(ADS-B in capability)

### ADDITIONAL OPTIONS

- 363: United Kingdom Lighting Package – \$1,400
- 700: Top Metallic Basecoat – \$6,825
- 710: Bottom Metallic Basecoat – \$6,825
- 715: Optional Meridian Paint Scheme –  
quoted upon request
- Premier Elegance Interior (Dune or Glacier) – standard
- AMSAFE: AmSafe Aviation Airbag System (crew seats) –  
\$5,950 (installed after delivery)
- Additional Special Options – quoted upon request



Maximum Cruise Speed

260 ktas | 482 km/h

Range with 45 Min. Reserve

1,000 nm | 1,852 km

Maximum Approved Altitude

30,000 ft | 9,144 m  
For Airspace Requiring RVSM,  
limited to 28,000 ft | 8,534 m

Fuel Capacity

Usable:  
170 US gal | 644 liters

Takeoff Distance

Ground Roll: 1,650 ft | 503 m  
Total Over 50 ft Obstacle:  
2,438 ft | 743 m

Landing Distance

Ground Roll: 1,020 ft | 311 m  
Total Over 50 ft Obstacle:  
2,110 ft | 643 m

Cabin Pressurization

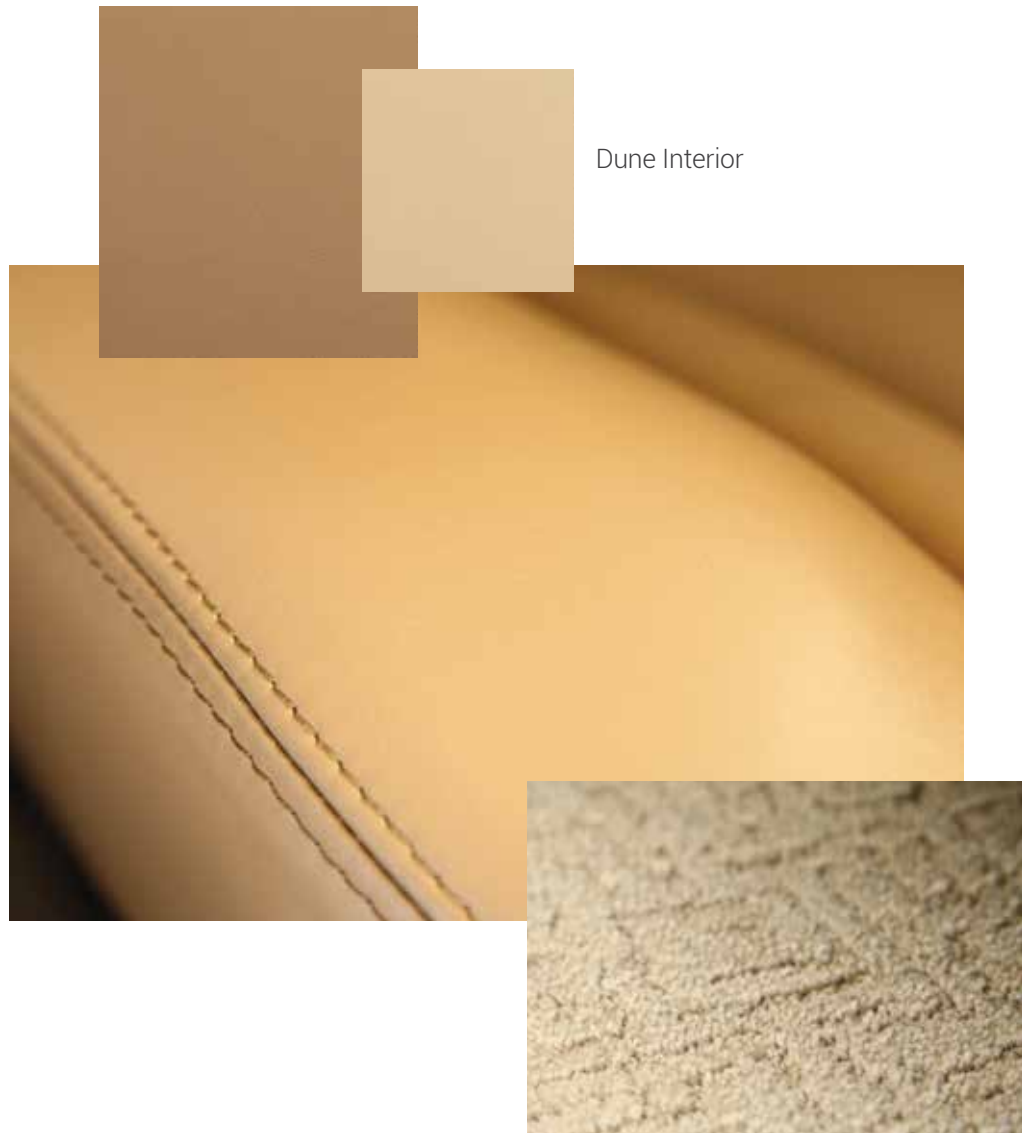
Maximum Cabin Differential:  
5.6 psid

\* As compared to the closest competitor, M500 is 47% less expensive to operate and burns 47.79% less fuel per hour. Source: Conklin & de Decker 2015 Vol 1

\*\* Fly-Away-Factory (F.A.F.) Vero Beach, FL – Dealer delivery and local taxes extra.



Dune Interior



## Cabin Class

From the moment you climb the airstair door and enter the cabin, you will be impressed with the substantial feel and expansive comfort of the Piper Meridian M500. Relax in pressurized comfort up to 30,000 feet – far above most of the world's weather. With the luxury of plush club seating, there is ample room for everyone to stretch out in flight. Six USB ports and a convenient workstation come standard, ensuring productive travel time when your business requires it. Whether you are commuting for work or traveling for pleasure, the M500's versatile cabin is comfortable and quiet with unexpected amenities, and the smooth power of a PT6A-42A turbine engine.



M500's interior is finished in hand-selected leather and luxurious, durable carpeting. Select between two color palettes: Dune or Glacier, with a headliner and side panel in complementary colors.

# Piper Peace of Mind

## Global Customer Support

When you purchase a Piper aircraft, you purchase peace of mind. This reassurance begins with knowing that the Piper Aircraft Customer Support Desk is available 24 hours a day, seven days a week, to answer questions and help diagnose any issues. The Piper Authorized Network of Service Centers of more than 80 independently owned centers ensures that you get quality and convenient support. What's more, to supplement dealer parts inventory, our association with Aviall and their network of 40 customer service centers worldwide ensures that parts are on hand when and where they are needed. We are not just in the business of building aircraft, but also building relationships that last – far beyond the delivery of your new plane.

## Fly-Away Warranty

As part of our commitment to our customers, Piper offers outstanding warranties on all new M500 aircraft. The combination of advanced technology, performance, and quality has made the Piper M500 the most sought after aircraft in its class. Piper Aircraft offers a comprehensive three-year warranty on airframe, avionics, and electrical. The Pratt & Whitney PT6A-42A powerplant comes with an industry leading five-year warranty.

From flight training to service centers, comprehensive customer care and product support is our top priority. With an experienced team standing by to support you and your airplane, Piper M500 ownership comes standard with a peace of mind.



With more than 100 sales and service centers around the globe, you can be sure we have the support you need in your area. Scan to find your closest Piper sales or service center.



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