M500™

M500 THE PERFECT TURBOPROP FOR THOSE TRANSITIONING FROM PISTON

2015 Robb Report Best Personal Aircraft

Play Time! For pilots who want to climb high, go far and go fast. It's all about taking the leap from pistons while minimizing the cost of turbine ownership.

TAKE CONTROL

Renowned for its ease of operation, the Piper M500 simplifies the cockpit with the Garmin G1000 and the safety utilities built in provides for a safer flight. It is, quite simply, a class defining aircraft which uses the venerable Pratt & Whitney PT6 at 500 shp. M500 upgrades, including the G1000 avionics suite, add value and deliver enhanced safety, ease of operation and redundancy while keep the price reasonable. The main attraction on the avionics is the GFC 700 autopilot with enhanced automatic flight control system (AFCS). The GFC 700 offers a passive system that operates in the background nudging the aircraft back into its normal operating parameters. Piper's famous Blue Button complements this by bringing the wings level when activated.

Automatic Level Mode (Blue Button)

Level Mode is a function that will return the aircraft to a wings level attitude with zero vertical speed. Level Mode will automatically engage the flight director and autopilot functions to return the aircraft to straight and level flight.

LVL

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.
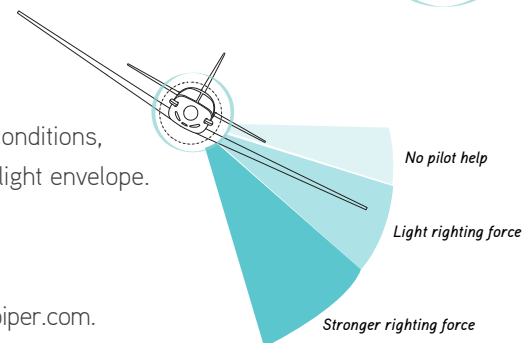
To learn more about additional safety features available on the M500, visit piper.com.

No pilot help

Light righting force

Stronger righting force

Synthetic Vision

Garmin Synthetic Vision Technology (SVT) takes situational awareness to a new level, regardless of what can or cannot be seen through the windshield. Acquiring information from multiple certified databases, SVT graphically depicts obstacles, terrain, water, and airports, providing the pilot with all of the information required for safer travel.

Underspeed Protection (USP)

Underspeed protection is an intuitive flight director function that prevents the airplane from stalling when the autopilot is engaged. If in a stall condition, the system will lower the nose of the aircraft until above stall speed, and then climb to regain preselected altitude.

Coupled Go Around

As part of the AFCS a Coupled Go Around is possible without disengaging the autopilot. This feature works by pressing the TOGA button while the AP is engaged. The autopilot will remain engaged and follow the pitch attitude commanded by the flight director display. The pilot is expected to add power, then once the aircraft has accelerated and started clinmbing, retract the gear and flaps.

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

The standard GTX 33 ES 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 system provides 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 a safe flight. GTX 33 ES = ADS-B "Out" | GTX 33 ES + GTX 825 = ADS-B "In"

AFFORDABLE LUXURY

Upper/Lower Side Panel

Seats /Accent Color

Table & Accents

WELLINGTON INTERIOR

Seats/Lower Side Panel

Accent Color

Table & Accents

INVERNESS INTERIOR

Old aviation axiom – never buy more aircraft than you need. But with the Piper M500 you get all you need and then some.

Shown in Wellington

SPECIFICATIONS

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

MAXIMUM CRUISE SPEED
260 ktas | 482 km/h

FUEL CAPACITY, USABLE
170 US gal | 644 liters

RANGE WITH 45 MINUTE RESERVE
1,000 nm | 1,852 km

MAXIMUM APPROVED ALTITUDE
30,000 ft | 9,144 m
For RVSM Airspace: 28,000 ft | 8,534 m

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

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

DIMENSIONS
Wingspan: 43 ft | 13.1 m
Height: 11 ft 3 in | 3.4 m
Length: 29 ft 7 in | 9.0 m

STANDARD FEATURES

AVIONICS
Garmin G1000 Avionics Suite with Autopilot, and Enhanced AFCS:
Dual 10.4" PFDs, Single 12.4" MFD, Dual GIA 63W NAV/COM/GPS, GFC 700 Autopilot with Enhanced AFCS
(Advanced Safety Features: Automatic Level Mode (Blue Button), Electronic Stability Protection (ESP),
Underspeed Protection (USP), and Coupled Go Around), GMC 710 AP Controller and Yaw Damper System,
Dual GRS 77 AHRS Computers, GCU 476 Keypad, Garmin FliteCharts, Garmin SafeTaxi, GMA 350 Digital
Audio Panel, Dual GDC 74A Air Data Computers, GTX 33 ES Mode S Transponder (ADS-B "Out"), GWX 68
Weather Radar, Aspen EFD1000 Standby Flight Instruments, and Integrated Digital Cabin Pressurization

OTHER EQUIPMENT
Flight Into Known Icing (FIKI), PiperAire Air Conditioning, Hardwired Cockpit Bose A20 Headsets,
Three USB Charging Ports (one cockpit, two cabin)

INTERIOR
Wellington or Inverness Leather Interior, Electroluminescent Placards, Chrome and Wood Accents

PACKAGING OPTIONS
Piper is pleased to offer you bundled options with pricing advantages. Take the uncertainty out of
option shopping and allow us to help guide you through the process.

AWARENESS PACKAGE
Jeppesen Chartview (one year subscription to Jeppesen PilotPak), TAWS-B (Terrain Awareness
and Warning System), GTX 33 ES (Second Digital Transponder), Garmin Synthetic Vision (SVT), GTS
825 Traffic Advisory System (ADS-B "In")

INTERNATIONAL PACKAGE
GSR 56 Iridium Transceiver, Becker ADF 3500, GTX 33 D ES: Diversity Digital Transponder - with
Dual Antennas (Required for European Operations – Replaces STD GTX 33 ES)

WEATHER PACKAGE
GDL 69A SiriusXM Satellite Weather (includes GRC 10 remote), L3 WX-500 Stormscope

PREMIUM PACKAGE
110 Volt AC Power Outlet, Hartzell 5-Blade Composite Prop, AmSafe Seatbelts -
Pilot and Co-Pilot Positions

Contact your dealer for pricing and additional options.

Like everything else on the M500, it's been done right, with the appeal and convenience of most high-end aircraft but without any notable complexity. – Flying Magazine

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Piper®

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