



# 2017 SENECA™

## SPECIFICATIONS AND PRICING

\$999,900\*

Standard Equipped List Price

### Cabin Class, Turbocharged, Piston Twin

The most economical six-place piston twin on the market, the Piper Seneca remains the best value multi-engine aircraft. The G1000 avionics flight deck and multiple upgrades and refinements make current a classic, trusted airframe. Generous on cabin space and advancing the way in twin-engine cockpit technology, the Seneca leaves little to be desired.

#### ENGINES

(2) Turbocharged Continental TSIO-360-RB  
Horsepower: 220 hp each  
Number of Cylinders: 6  
TBO: 2,000 hours

#### PROPELLERS

McCaughey 3-Blade | Constant Speed  
Full-Feathering | Counter-Rotating

#### WEIGHTS

Maximum Takeoff Weight: 4,750 lbs | 2,155 kg  
Maximum Ramp Weight: 4,773 lbs | 2,165 kg  
Standard Equipped Weight: 3,442 lbs | 1,561 kg  
Standard Useful Load: 1,331 lbs | 604 kg

#### MAXIMUM CRUISE SPEED

200 ktas | 370 km/h

#### FUEL CAPACITY, USABLE

122 US gal | 462 liters

#### RANGE WITH 45 MINUTE RESERVE

828 nm | 1,534 km

#### MAXIMUM APPROVED ALTITUDE

25,000 ft | 7,620 m

#### SINGLE ENGINE SERVICE CEILING

16,500 ft | 5,029 m

#### TAKEOFF DISTANCE

Ground Roll: 1,143 ft | 348 m  
Total Over 50 ft Obstacle: 1,707 ft | 520 m

#### LANDING DISTANCE

Ground Roll: 1,400 ft | 427 m  
Total Over 50 ft Obstacle: 2,180 ft | 664 m

- Operating costs 7% less than the closest competitor
- 32% less acquisition cost
- Fuel burn 13% less than other multi-engine products
- Cabin volume 20% higher than closest competitor

Data compared to calculated average payload of the closest competitors and most common "step out" products.  
Source: Conklin & de Decker

### COMPETITIVE ANALYSIS

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

# SPECIFICATIONS



## STANDARD FEATURES

### AVIONICS

Garmin G1000 Avionics Suite with Autopilot:

Dual 10.4" PFDs, Single 10.4" MFD, Dual GIA 63W NAV/COM/GPS, GFC 700 Autopilot with Yaw Damper System, Single GRS 77 AHRS Computer, Garmin FliteCharts, Garmin SafeTaxi, GMA 1347 Digital Audio Panel, Single GDC 74A Air Data Computer, GTX 33 ES Mode S Transponder (ADS-B "Out"), and Aspen EFD1000 Standby Flight Instruments

### OTHER EQUIPMENT

Propeller Synchrophaser, Hardwired Cockpit Bose A20 Headsets

### INTERIOR

Mesa or Summit Interior



## AVIONICS EQUIPMENT OPTIONS

- 233: Enhanced AFCS Enablement | **\$7,797**
- 235: Jeppesen ChartView | **\$4,360**  
(one year subscription to Jeppesen PilotPak)
- 256: GSR 56 Iridium Transceiver | **\$17,717**
- 268: GWX 68 Weather Radar | **\$44,367**
- 269: GDL 69A SiriusXM Satellite Radio Weather (includes GRC 10 remote) | **\$11,639**
- 298: Flight Into Known Icing (FIKI) (includes option 233) | **\$61,681**
- 330: L3 WX-500 Stormscope | **\$12,041**
- 346: Garmin Synthetic Vision | **\$19,308**
- 361: 1999 kg Gross Weight Kit | **\$4,912**
- 374: 2nd AHRS & ADC | **\$23,712**
- 375: Built-In Oxygen System | **\$11,670**
- 450: TAWS-B Terrain Awareness & Warning System | **\$13,261**
- 524: BendixKing KR 87 ADF | **\$8,721**
- 563: BendixKing KN 63 DME | **\$15,065**
- 600: Vision 1000 (Appareo flight monitoring system) | **\$16,232**
- 825: GTS 825 Traffic Advisory System | **\$36,389**  
(ADS-B "In")

## ADDITIONAL OPTIONS

- 201: PiperAire, Air Conditioning with HFC-134a | **\$24,613**
- 363: United Kingdom Lighting Package | **\$1,485**
- 700: Nonstandard Paint Top Color | **\$7,241**
- 710: Nonstandard Paint Bottom Color or Accent Stripe | **\$7,241**
- 715: Nonstandard Approved Paint Scheme – quoted upon request
- AMSAFE: AmSafe Aviation Airbag System Pilot and Co-pilot Seats | **\$6,313**
- Additional Special Options – quoted upon request

## PACKAGING OPTIONS

Offered at preferred pricing.



### ASSURANCE PACKAGE

Enhanced AFCS Enablement (includes ESP), Garmin Synthetic Vision, Pilot & Co Pilot Air Bag Seatbelts | **\$32,455**



### AWARENESS PACKAGE

Jeppesen Chartview (one year subscription to Jeppesen PilotPak), TAWS-B (Terrain Awareness and Warning System), GTS 825 Traffic Advisory System (ADS-B "In") | **\$52,437**



### WEATHER PACKAGE

GWX 68 Weather Radar, GDL 69A SiriusXM Satellite Weather (includes GRC 10 remote), Flight Into Known Icing (FIKI) - includes AFCS | **\$114,259**



### INTERNATIONAL PACKAGE

GSR 56 Iridium Transceiver, 2nd AHRS & ADC, BendixKing KR 87 ADF, BendixKing KN 63 DME | **\$63,315**



### PREMIUM PACKAGE

PiperAire AirConditioning, 1999 kg Gross Weight Kit, Built-In Oxygen System | **\$39,995**





### ASPEN EFD1000 PRO STANDBY

The digital display makes the transition from primary to backup instruments less jarring than adjusting to conventional gauges. Additionally, the Aspen's primary battery, in addition to the aircraft's dual alternators and battery, make the system virtually failure-proof.



### MULTI-FUNCTION FLIGHT DISPLAY (MFD)

In the center of the panel, a standard dedicated MFD adds to the versatility and information display of the G1000, without infringing on the location of the two PFDs. Engine data, charts, traffic, weather, flight plans, menus and more are displayed in high resolution.



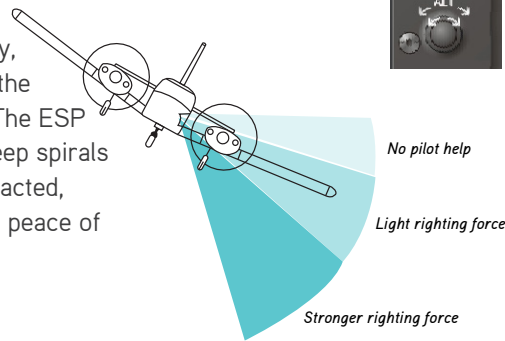
### GARMIN GFC 700

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



### ELECTRONIC STABILITY AND PROTECTION (ESP) (OPTIONAL)

This electronic monitoring and exceedance-correcting technology, which is included in the Enhanced AFCS option, works to assist the pilot in maintaining the aircraft in a safe, flight-stable condition. The ESP function helps to prevent the onset of stall/spins, overspeeds, steep spirals or other loss-of-control conditions, should the pilot become distracted, disoriented or incapacitated during flight. Garmin ESP puts more peace of mind at your fingertips.



### LVL AUTOMATIC LEVEL MODE (BLUE BUTTON) (OPTIONAL)

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.

### GSR 56 IRIDIUM TRANSCEIVER (OPTIONAL)

The optional GSR 56 gives you access to on-demand global weather information and text/voice communications through the Iridium satellite network. The Iridium network provides seamless global coverage nearly anywhere you fly — even in locations not previously served by other satellite networks. Simply set up voice and data service (subscription required), and start enjoying added safety and convenience on every flight.

### PRIMARY FLIGHT DISPLAY (PFD)

Two high-resolution primary flight displays put the flight instruments in direct line of sight from both left and right seats without a distracting parallax view.



### SYNTHETIC VISION (OPTIONAL)

Optional Garmin Synthetic Vision Technology takes situational awareness to a new level, regardless of what you can or cannot see through the windshield. Obstacles, terrain, water and airports are graphically depicted from multiple certified databases. In addition, TAWS-B (optional) provides terrain visual cues and aural alerting for added enhanced safety.



### ENHANCED TRAFFIC GTS 825 (OPTIONAL)

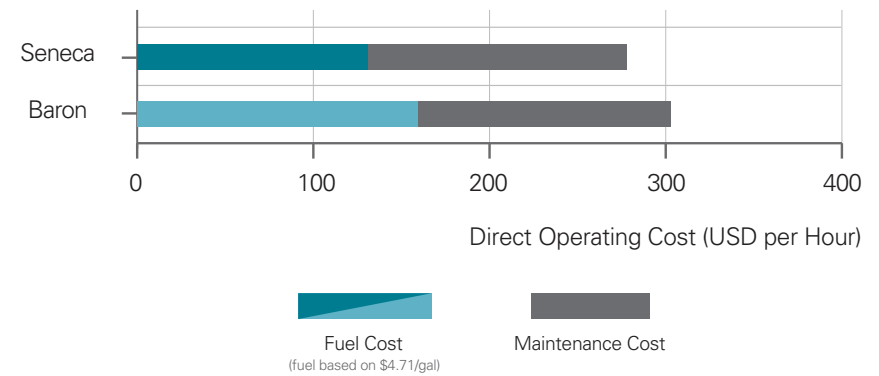
The standard GTX 33 ES provides ADS-B "Out" functionality. When coupled with the GTS 825 Traffic Advisory System, ADS-B in data provides an enhanced traffic picture of active interrogation targets. It can track up to 75 targets within a 40 nm interrogation range. Additionally, spoken ATC-like aural alerts help manage a safe flight.



# BY THE NUMBERS

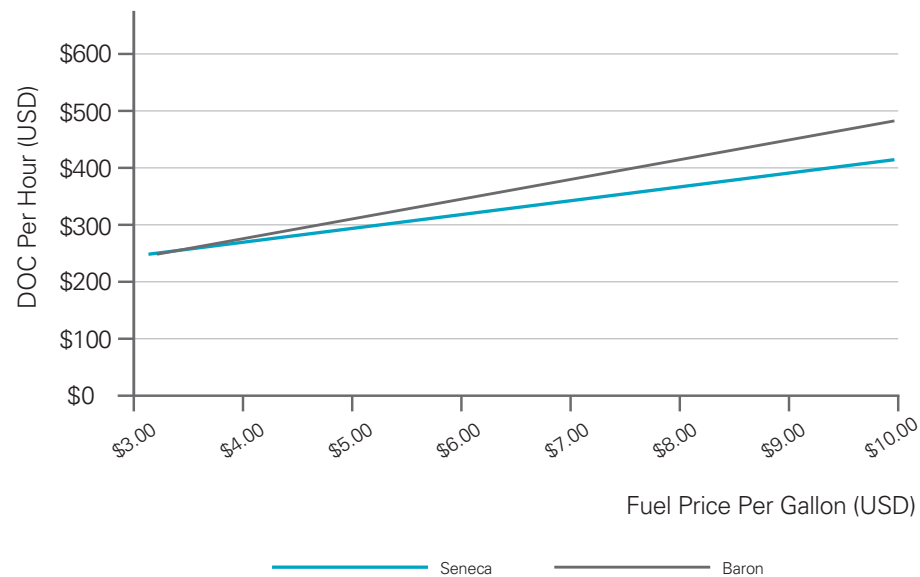


## OPERATING COST

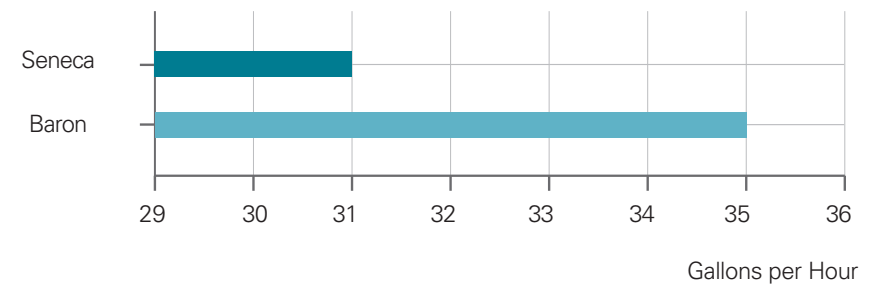


**Seneca offers an average of 7% less operating cost.**

## DIRECT OPERATING COST as a function of fuel cost

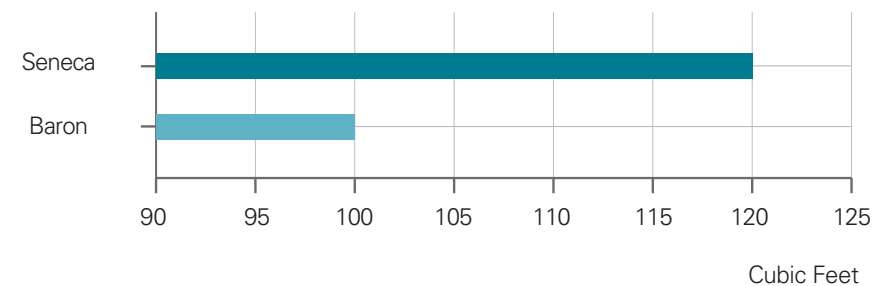


## FUEL BURN, ECONOMY CRUISE



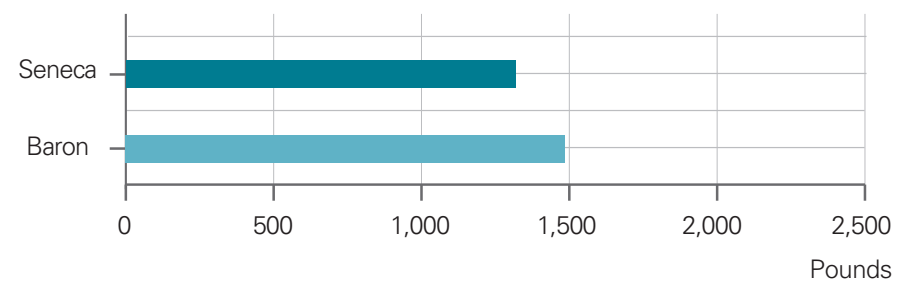
**Seneca burns an average of 11% less fuel.**

## CABIN VOLUME



**Seneca offers an average of 20% more cabin volume.**

## STANDARD USEFUL LOAD



- Fuel: Based on 31 gph for Seneca and 35 gph for Baron.

- Maintenance Labor: \$44.40 / flight hour  
Cost based on 0.50 man-hours per flight hour at labor rate of \$85.00 per man-hour. Includes routine scheduled and unscheduled maintenance for airframe and avionics.

- Maintenance Parts: \$45.53 / flight hour  
Includes airframe, avionics, and minor engine consumable parts required for routine scheduled and unscheduled maintenance.

- Propeller Overhaul: \$4.05 / flight hour  
Includes both parts and labor required for overhaul, including the cost of any life-limited parts.

- Engine Restoration: \$44.40 / flight hour  
Cost based on typical overhaul.

Source: Conklin & de Decker



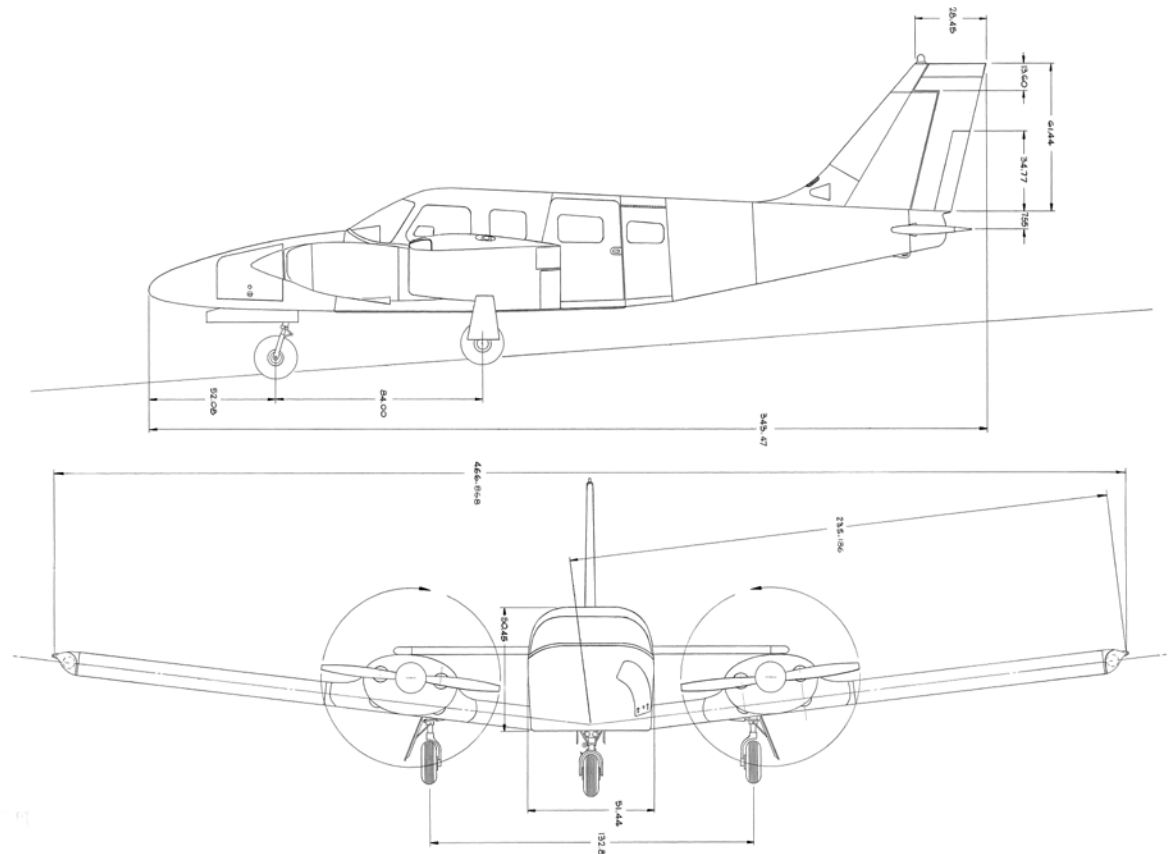
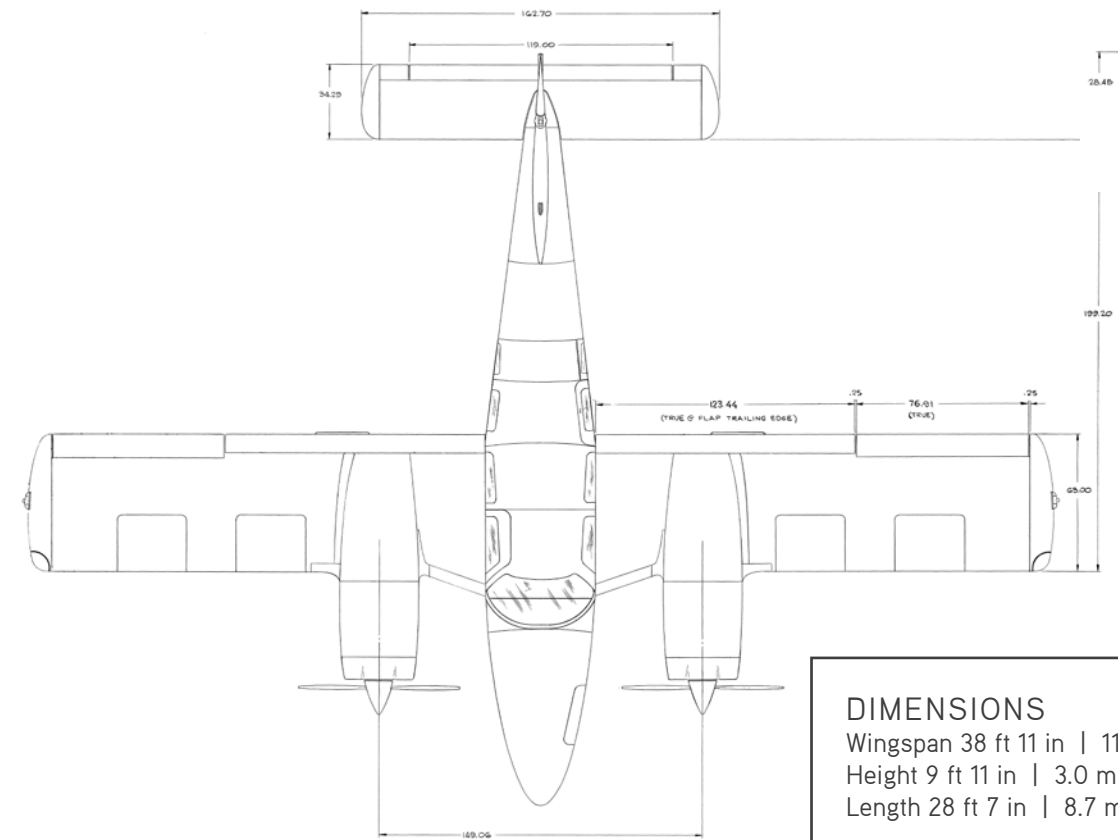
# PERFORMANCE AND PRACTICALITY



Performance	Standard	Metric
Max Cruise Speed	200 ktas	370 km/h
Max Range (With 45 Min Reserve)	828 nm	1,534 km
Max Operating Altitude	25,000 ft	7,620 m
Rate of Climb (Sea level, MTOW)	1,400 ft / min	427 m/min
Landing Distances Over 50 ft Obstacle	2,180 ft	664 m

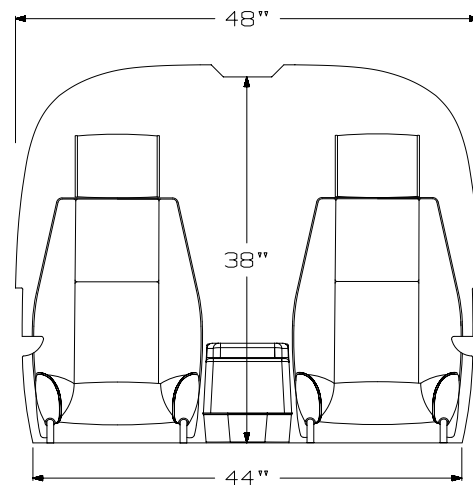
Cabin Dimension	Standard	Metric
Cabin Volume	120.00 cu ft	3.4 cu m <sup>3</sup>
Cabin Length	10 ft 4 in	3.15 m
Cabin Width	4 ft 10 in	1.47 m
Cabin Height	3 ft 6 in	1.07 m
Door Dimensions	3.00 ft x 3.30 ft	0.51 m x 0.61 m
Internal Baggage	17.3 cu ft (100 lbs)	0.49 cu m (45 kg)
External Baggage Door	2.00 ft x 1.75 ft	0.61 m x 0.53 m
External Baggage	15.3 cu ft (100 lbs)	0.43 m <sup>3</sup> (45 kg)

Weights	Standard	Metric
Max Ramp Weight	4,773 lbs	2,165 kg
Max Takeoff Weight	4,750 lbs	2,155 kg
Max Landing Weight	4,513 lbs	2,047 kg
Max Zero Fuel Weight	4,479 lbs	2,032 kg
Basic Empty Weight	3,530 lbs	1,601 kg
Usable Fuel	122 gallons	462 liters
Payload With Full Fuel	426 lbs	193 kg





### CABIN CONFIGURATION



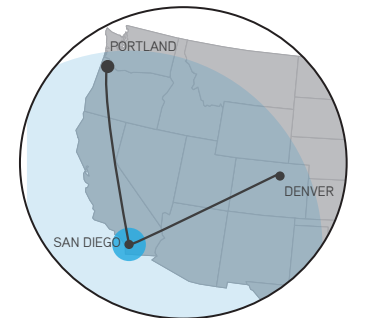
### RANGE MAPS



Bogota, Columbia to Piura, Peru  
714 nautical miles



London, England to Rome, Italy  
775 nautical miles



San Diego to Portland  
810 nautical miles

San Diego to Denver  
741 nautical miles

### AIRCRAFT FEATURES COMPARISON CHART

	Seneca \$979,000	Baron \$1,200,000
Avionics Suite	G1000	G1000
3 High Resolution Displays	X	
GFC 700 Autopilot	X	X
Turbocharged Engines	X	
Level Mode (Blue Button)	X	
Underspeed Protection	X	
Enhanced Stability Protection	X	
Coupled Go Around	X	
FIKI Certified	X	X
Digital Standby Indicator	X	
Nose Baggage Compartment	X	X
Counter-rotating Props	X	X

### GLOBAL CUSTOMER SUPPORT

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If you already own a Piper, you know the value that comes along with it. If you are thinking about purchasing a new Piper, now is the time to learn what it means to become an owner.



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