

PIPER

# 2014 TRAINERS



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**Piper**<sup>®</sup>



Start  
to  
finish.





# Higher Learning.

Since the early 1940s, the Piper trainer family has been part of the initial flight training experience for hundreds of thousands of students. Today, the Piper training fleet is recognized for being the most complete training line available – from a single-engine fixed gear aircraft, to a light twin. With consistent features, layouts and avionics suites extending throughout the line, training is made efficient as students continually advance through their training, achieving rating after rating. No other manufacturer rivals the effectiveness of Piper's seamless training product line.

For students, they are fun and enjoyable to fly. For instructors and flight schools they are reliable, efficient and easy to maintain. And, like all Piper products, each trainer aircraft is designed to bring powerful value propositions to you and your business, flight after flight.



Each Piper interior is designed with both maximum comfort and maximum durability in mind. The ergonomic seating keeps both the students and instructors relaxed, making the ability to focus on the lesson at hand easier. Heavy-duty vinyls and wear-resistant materials are hand-fitted to the seats and side-walls, purposed to withstand repetitive use. Air conditioning is an available option with each aircraft, a necessity for training in hot climates.

# Avionics

Seminole G1000



# Classroom in the sky.

## G1000

The Garmin G1000 all-glass avionics suite that is standard equipment on both the Archer and Seminole was designed for Piper Aircraft with our customers in mind. The seamlessly integrated package makes flight information easier to scan and process. Its revolutionary design brings new levels of situational awareness, simplicity and safety to the cockpit. Furthermore the G1000 advanced avionics suite provides an initial training foundation that prepares flight students for the transition into more advanced aircraft.

## G500

The Garmin G500 system, as available in the Piper Arrow, offers a dual-screen electronic flight display that works seamlessly with the avionics stack. Dual LCDs mounted side-by-side in the bezel, put both Primary Flight Display (PFD) and Multifunction Display (MFD) capabilities directly in the pilot's field of vision to help streamline instrument scanning.



Archer G1000



Arrow G500

# Global Customer Support.

We believe, when you purchase a Piper trainer aircraft, you join our family. That's why we pledge to offer a relationship that extends far beyond the delivery of your new airplane. The team at Piper has thoughtfully created arrangements with our flight training customers to create the availability of long term agreements that offer synergistic opportunities for both parties. Whether it is dedicated account managers for service, parts, and support or internships for students, Piper works hand-in-hand with its fleet customers to provide an ownership experience that is second to none.

If you are already a fleet customer you know the value that comes along with being part of our family. If you are thinking of buying a new fleet or transitioning to Piper's products, now is the time to learn what it means to be a Piper fleet owner.



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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# Specifications

**SEMINOLE | \$683,400\*\***

Standard Equipped List Price  
(contact Piper headquarters for fleet pricing)

## Engines

(2) Lycoming O-360-A1H6

Horsepower: 180 hp each

Number of Cylinders: 4

TBO: 2,000 hours

## Weights

Maximum Takeoff Weight: 3,800 lbs | 1,724 kg

Maximum Ramp Weight: 3,816 lbs | 1,731 kg

Standard Equipped Weight: 2,625 lbs | 1,191 kg

Standard Useful Load: 1,191 lbs | 540 kg

## Dimensions

Wing Span: 38.6 ft | 11.8 m | Length: 27.6 ft | 8.4 m | Height: 8.5 ft | 2.6 m

## Propellers

Hartzell 2 Blade | Constant Speed | Full-Feathering

## Standard Equipment

### AVIONICS

Garmin G1000 Avionics Suite

Two 10.4" High Resolution XGA (PFD/MFD), Aspen Standby System (EFD-1000), Attitude Heading Reference System (AHRS), Solid State Air Data Computer (ADC), Solid State 3-Axis Magnetometer, Dual IFR Enroute/Approach and WAAS Certified GPS, Electronic Engine Indication System (EIS), Dual Nav/Comm (16 watt), GTX 33ES Transponder with Extended Squitter, Digital Audio Panel, Traffic Information Systems (TIS), Terrain and Obstacle Mapping.

### ADDITIONAL STANDARD EQUIPMENT

Tail Strobe Light | Wing Tip Recognition Lights | School Paint Scheme with Two Vinyl Trim Colors and Logo

## Optional Equipment

### AVIONICS EQUIPMENT OPTIONS

235: Jeppesen ChartView (not approved by EASA) – \$3,620

269: GDL 69A XM Satellite Radio/Weather – \$9,015

346: Synthetic Vision – \$9,930

450: TAWS-B – \$9,980

524: King KR-87 ADF – \$7,015

563: Honeywell DME KN-63 – \$8,675

800: Traffic Advisory System (GTS-800) – \$14,925

870: GFC 700 Autopilot – \$34,550

### ADDITIONAL OPTIONS

201: Air Conditioning (Kelly Thermocool) – \$23,200  
(Installed after aircraft certification at Piper Factory Service Center, Vero Beach, FL)

274: School Paint Scheme (two trim colors) – No Charge

363: United Kingdom Lighting Package – \$1,400

600: Vision 1000 – Flight Monitoring System – \$15,000

700: Top Metallic Base Coat – \$6,750

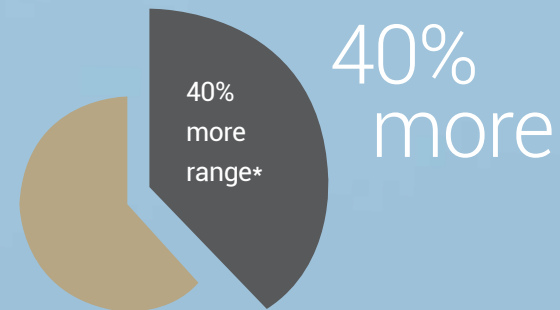
710: Bottom Metallic Base Coat – \$6,750

715: Non-Standard Approved Paint Scheme –  
Quoted Upon Request

EM: Full Electromechanical Avionics Package  
(Replaces G1000) – \$16,900

AMSAFE: AmSafe Aviation Airbag System (crew seats) –  
\$5,900 (Installed after delivery)

Additional Special Options – Quoted Upon Request



20% less

nearly 20% less expensive to operate\*

43% more

43% more payload\* (full fuel)

### Cruising Speed

75% Power:  
162 ktas | 300 km/h

### Range with 45 Min. Reserve

700 nm | 1,296 km

### Service Ceiling

15,000 ft | 4,572m  
Single Engine: 3,800 ft | 1,158 m

### Fuel Capacity

Useable:  
108 US gal | 409 liters

### Takeoff Distance

Ground Roll: 1,100 ft | 335 m  
Total Over 50 ft Obstacle:  
2,200 ft | 671 m

### Landing Distance

Ground Roll: 770 ft | 235 m  
Total Over 50 ft Obstacle:  
1,490 ft | 454 m

\* Data compared to closest four-place, twin-engine piston aircraft – Source Conklin & de Decker 2013 Vol 1

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



# Specifications

**ARROW** | \$448,750\*\*

Standard Equipped List Price  
(contact Piper headquarters for fleet pricing)

## Engine

Lycoming IO-360-C1C6

Horsepower: 200 hp

Number of Cylinders: 4

TBO: 2,000 hours

## Propeller

McCauley | 2 Blade | Constant Speed

## Weights

Maximum Takeoff Weight: 2,750 lbs | 1,247 kg

Maximum Ramp Weight: 2,758 lbs | 1,251 kg

Standard Equipped Weight: 1,798 lbs | 816 kg

Standard Useful Load: 960 lbs | 435 k

## Dimensions

Wing Span: 35.4 ft | 10.8 m

Length: 24.7 ft | 7.5 m

Height: 7.9 ft | 2.4 m

## Standard Equipment

### AVIONICS

Garmin G500 Avionics Suite  
6" PFD, 6" MFD, Dual GNS 430W NAV/COM/GPS (WAAS Enabled), GTX 330 Transponder, GMA 340 Audio Panel and Stand-by Flight Instruments

### ADDITIONAL STANDARD EQUIPMENT

Tail Strobe Light | Overhead Air Distribution Blower Fan

## Optional Equipment

### AVIONICS EQUIPMENT OPTIONS

225: GI 106A VOR/LOC/GS/GPS Indicator – \$2,950  
235: Jeppesen ChartView (not approved by EASA) – \$4,070  
269: XM Satellite Radio / Weather – \$5,700  
330: Stormscope WX-500 – \$7,600  
524: Honeywell KR 87 ADF with KI 227 Indicator – \$10,150  
563: Honeywell KN 63 DME with KDI 572 Indicator – \$14,050  
577: Electric Trim – \$6,200  
594: S-TEC 55X Dual Axis Autopilot with Automatic Electric Trim – \$29,250

### ADDITIONAL OPTIONS

274: School Paint Scheme (two trim colors) – No Charge  
363: United Kingdom Lighting Package – \$1,400  
369: Wing Tip Recognition Lights – \$1,300  
700: Top Metallic Base Coat – \$6,750  
710: Bottom Metallic Base Coat – \$6,750  
715: Non-Standard Paint Scheme – Quoted Upon Request  
AMSAFE: AmSafe Aviation Airbag System (crew seats) – \$5,900 (Installed after delivery)  
EM: Full Electromechanical Avionics Package – \$16,900  
Additional Special Options – Quoted Upon Request



### Cruising Speed

75% Power:  
137 ktas | 254 km/h

### Range with 45 Min. Reserve

880 nm | 1,630 km

### Service Ceiling

16,200 ft | 4,938 m

### Fuel Capacity

Useable:  
72 US gal | 273 liters

### Takeoff Distance

Ground Roll: 1,000 ft | 305 m  
Total Over 50 ft Obstacle:  
1,600 ft | 487 m

### Landing Distance

Ground Roll: 620 ft | 189 m  
Total Over 50 ft Obstacle:  
1,520 ft | 463 m

\* Data compared to closest four-place, single piston aircraft – Source Conklin & de Decker 2013 Vol 1

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



# Specifications

# ARCHER | \$338,200\*\*

Standard Equipped List Price  
(contact Piper headquarters for fleet pricing)  
\$350,700 LX

## Engine

Lycoming O-360-A4M

Horsepower: 180 hp

Number of Cylinders: 4

TBO: 2,000 hours

## Propeller

Sensenich | 2 Blade | Fixed Pitch

## Weights

Maximum Takeoff Weight: 2,550 lbs | 1,157 kg

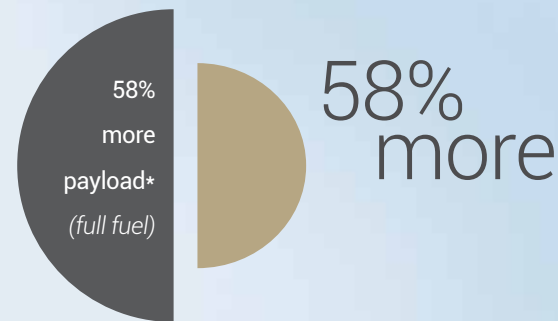
Maximum Ramp Weight: 2,558 lbs | 1,160 kg

Standard Equipped Weight: 1,688 lbs | 766 kg

Standard Useful Load: 870 lbs | 395 kg

## Dimensions

Wing Span: 35.5 ft | 10.8 m | Length: 24.0 ft | 7.3 m | Height: 7.3 ft | 2.2 m



## Standard Equipment

### AVIONICS

Garmin G1000 Avionics Suite

Two 10.4" High Resolution XGA (PFD/MFD), Aspen Standby System (EFD-1000), Attitude Heading Reference System (AHRS), Solid State Air Data Computer (ADC), Solid State 3-Axis Magnetometer, Dual IFR Enroute/Approach and WAAS Certified GPS, Electronic Engine Indication System (EIS), Dual Nav/Comm (16 watt), GTX 33ES Transponder with Extended Squitter, Digital Audio Panel, Traffic Information Systems (TIS), Terrain and Obstacle Mapping.

### ADDITIONAL STANDARD EQUIPMENT

Tail Strobe Light | School Paint Scheme with Two Vinyl Trim Colors and Logo | Wing Tip Landing/Recognition Lights

## Optional Equipment

### AVIONICS EQUIPMENT OPTIONS

235: Jeppesen ChartView (not approved by EASA) – \$3,620

269: XM Satellite Radio / Weather (GDL 69A) – \$9,015

346: Synthetic Vision – \$9,930

450: TAWS-B – \$9,980

524: Honeywell ADF KR-87 – \$7,015

563: Honeywell DME KN-63 – \$8,675

577: Electric Trim – \$6,200

594: S-TEC 55X Autopilot with Altitude Preselect & Electric Trim: – \$25,750

800: Traffic Advisory System (GTS-800) – \$13,700

### ADDITIONAL OPTIONS

201: PiperAire Air Conditioning – \$16,900

274: School Paint Scheme (two trim colors) – No Charge

363: United Kingdom Lighting Package – \$1,400

600: Vision 1000 – Flight Monitoring System – \$15,000

680: Traveler Package: Passenger Baggage Door and Additional Viewing Windows – \$2,950

700: Top Metallic Base Coat – \$6,750

710: Bottom Metallic Base Coat – \$6,750

715: Non-Standard Paint Scheme – Quoted Upon Request

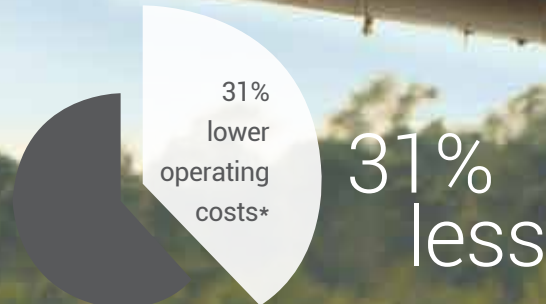
EM: Full Electromechanical Avionics Package – \$16,900

AMSAFE: AmSafe Aviation Airbag System (crew seats) – \$5,900 (Installed after delivery)

LX Package: Includes Traveler Package, Upgraded Leather Interior, Low-noise Exhaust Resonator (Muffler), and Wheel Fairings – \$12,500

Additional Special Options – Quoted Upon Request

All images shown with optional Traveler Package added.



### Cruising Speed

75% Power:  
128 ktas | 237 km/h

### Range with 45 Min. Reserve

522 nm | 967 km

### Service Ceiling

14,100 ft | 4,298 m

### Fuel Capacity

Useable:  
48 US gal | 182 liters

### Takeoff Distance

Ground Roll: 1,135 ft | 346 m  
Total Over 50 ft Obstacle:  
1,608 ft | 490 m

### Landing Distance

Ground Roll: 920 ft | 280 m  
Total Over 50 ft Obstacle:  
1,400 ft | 427 m

\* Data compared to closest four-place, single piston aircraft – Source Conklin & de Decker 2013 Vol 1  
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