

# *TRAINER CLASS*

*PILOT 100i | ARCHER TX | ARCHER DX | SEMINOLE*







**PIPER  
ARCHER II**  
More airplane for the dollar.



**Piper Aircraft, Inc.** has been a trusted manufacturer of high-quality aircraft since its inception in 1937, building industry-leading aircraft for more than 87 years. Behind the company's success was William T. Piper's goal of making the Freedom of Flight accessible and achievable for all. This led to an aviation revolution with the one and only Piper Cub, which took its inaugural flight on September 23, 1930.

Now, more than 134,000 airplanes later, both current and aspiring aviators worldwide know Piper as one of the most iconic names in all of general aviation. Piper is not only a legacy but also an innovator in today's general aviation industry.

## A LEGACY TAKES SHAPE OVER TIME



The *Three-Place* PIPER  
**SUPER CRUISER**

**LOWEST-PRICED  
3-PLACE PLANE  
IN AMERICA!**

**100-HORSEPOWER  
LYCOMING DIRECT-  
DRIVE ENGINE!**

**CRUISING SPEED  
OVER 100 MILES  
PER HOUR!**

**MORE EFFICIENT  
STREAMLINED  
LANDING GEAR!**

Here's the plane for '42 . . . geared to the wartime economy of the nation! The new Piper Super Cruiser combines in one ship a multi-purpose usefulness unequalled in any plane within hundreds of dollars of the Super Cruiser's low price. Flight schools, CPT contractors and flying service operators will find the Piper Super Cruiser an efficient and economical primary pilot trainer. If blind flying equipment is installed it becomes an excellent ship for instrument instruction. In the CPT cross-country course it can be used for both night flying and solo cross-country phases. And its 25-gallon gas capacity, speed and payload ideally adapt it to Civil Air Patrol flying. The Piper Super Cruiser is engineered and built to serve every flight requirement . . . the All-American airplane for *all* America.

**FREE CATALOG** showing all the Piper planes may be obtained from your Piper Dealer. Or, if you wish, we will gladly mail you one of these handsome, deluxe catalogs which portray all the new Piper ships in full natural color, providing you enclose 10c in stamps or coin for postage-handling. Piper Aircraft Corporation, Department Y32, Lock Haven, Pennsylvania, U.S.A.

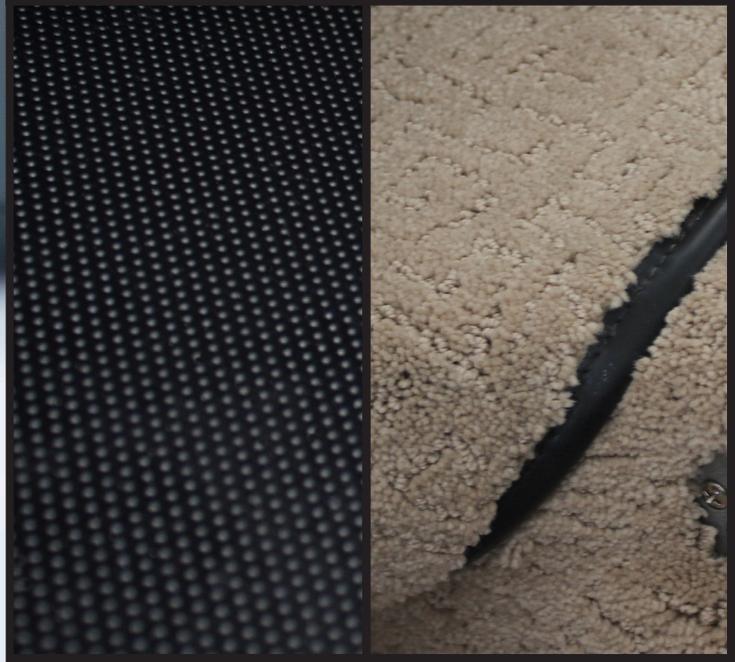




# HIGHER LEARNING

Each Piper Aircraft interior is designed with maximum comfort and durability in mind. The ergonomic seating provides an enjoyable environment allowing the student and instructor to focus on the task at hand. Heavy-duty vinyl and wear-resistant synthetic leathers are hand-fitted to the seats and sidewalls, prepared to withstand repetitive use. Air conditioning is an available option with most aircraft.

Get acquainted with the softer side of rugged vinyl. Interiors in the Piper Trainer Class are designed with both comfort and function in mind. Soft wear-resistant synthetic leather seats yield and conform for maximum traveling comfort, but remain durable enough to withstand the demands of repetitive use. Ergonomic interior design facilitates maximum cabin comfort. When it comes to tough love, you will love the soft side of this aircraft's tough interior.



## **GARMIN G1000 NXI EQUIPPED TRAINING AIRCRAFT.**

The Seminole and Archer bring a higher level of performance and capability to the flight deck with the G1000 NXi. The zero-time avionics start up allows the crew to start their procedures without waiting for the avionics to “warm up”. Once in operation, the G1000 NXi high-resolution glass displays the enhanced HSI map, surface watch, 3-D Synthetic Vision and other features that enhance the crew’s safety and situational awareness.

Students are able to perform WAAS enabled LPV approaches, follow visual approach glide paths to pre-selected minimums, as well as display up-to-date approach, enables continual streaming of weather, traffic, attitude information and includes the ability to transfer flight plans from a mobile device to the avionics.

**EACH PIPER TRAINER EQUIPPED WITH G1000 NXI PROVIDES STUDENTS WITH A TRULY MODERN FLIGHT DECK CLASSROOM, GIVING THEM THE TOOLS THEY NEED TO SUCCEED IN ANY ADVANCED AIRCRAFT.**

### **ENHANCED AUTOMATIC FLIGHT CONTROL SYSTEM (AFCS)**

The Enhanced Automatic Flight Control System is an advanced AHRS-based system. Originally designed for turbine aircraft, E-AFCS offers several key safety performance features using precise automation.

#### **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.



## Coupled Go Around

A Coupled Go Around is possible without disengaging the autopilot. This feature works by pressing the TOGA button while the autopilot is engaged. As the pilot advances the throttle(s), the autopilot will remain engaged and follow the pitch attitude commanded by the flight director display.

## Underspeed Protection (USP)

Underspeed protection prevents the airplane from stalling when the autopilot is engaged. If the power setting and autopilot modes slow the airplane below a preselected speed, the airplane will lower the nose to maintain a safe airspeed to prevent a stall.



*SEMINOLE*

## ENGINES

(1) Lycoming IO-360-B1G6 and (1)  
LIO-360-B1G6  
Horsepower: 180 hp each

## PROPELLERS

Hartzell Scimitar 2-Blade:  
Constant Speed | Full-Feathering

## WEIGHTS

**Maximum Takeoff Weight:** 3,800 lbs | 1,724 kg  
**Maximum Ramp Weight:** 3,816 lbs | 1,731 kg  
**Standard Empty Weight:** 2,625 lbs | 1,191 kg  
**Standard Useful Load:** 1,191 lbs | 540 kg

## CRUISING SPEED

162 ktas | 300 km/h (75% power)

## FUEL CAPACITY

108 US gal | 409 liters (Usable)

## MAXIMUM RANGE

700 nm | 1,296 km

## SERVICE CEILING

15,000 ft | 4,572 m

## 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

## DIMENSIONS

**Wingspan:** 38 ft 6 in | 11.8 m  
**Height:** 8 ft 6 in | 2.6 m  
**Length:** 27 ft 7 in | 8.4 m

## AVIONICS

Garmin G1000 NXi Avionics Suite:  
Single 10.4" GDU 1050 PFD, Single 10.4" GDU 1050 MFD, GMA  
1360 Digital Audio Panel, GTX 345R Transponder, Garmin G5  
Standby Instrument, Garmin FliteCharts, Garmin SafeTaxi

## OTHER EQUIPMENT

LED Wing Tip Recognition & Tail Strobe Lights, Overhead Air  
Distribution Blower Fan, USB Charging Ports, Cockpit Stowage  
Pouches, CO Detector, School Paint Colors with Two Vinyl Trim  
Colors and Logo

## AVIONICS EQUIPMENT OPTIONS

GFC 700 Autopilot  
Jeppesen ChartView Enablement  
SVT - Garmin Synthetic Vision  
TAWS-B (Terrain Awareness and Warning System)  
Flight Stream 510 with Connex  
GTS 800 Traffic Advisory System  
GDL 69A SXM Satellite Radio / Weather  
FlightCom - Rear Seat PTT  
BendixKing KR 87 ADF  
BendixKing KN 63 DME  
GDL 59 WiFi Data Link  
Vision 1000 (Appareo flight monitoring system)  
Safe Flight Angle of Attack (AOA) System  
Wet Compass  
Enhanced AFCS Enablement

## ADDITIONAL OPTIONS

Kelly Aerospace Air Conditioning (After market install)  
United Kingdom Lighting Package  
AmSafe Seatbelts - Pilot and Co-Pilot Positions  
Cargo Net

Special options | Quoted upon request



*ARCHER TX*

## ENGINES

Lycoming IO-360-B4A  
Horsepower: 180 hp

## PROPELLERS

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 Empty Weight:** 1,688 lbs | 766 kg

**Standard Useful Load:** 870 lbs | 395 kg

## CRUISING SPEED

128 ktas | 237 km/h (75% power)

## FUEL CAPACITY

48 US gal | 182 liters (Usable)

## MAXIMUM RANGE

522 nm | 967 km

## SERVICE CEILING

14,100 ft | 4,298 m

## 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

## DIMENSIONS

**Wingspan:** 35 ft 6 in | 10.8 m

**Height:** 7 ft 3 in | 2.2 m

**Length:** 24 ft | 7.3 m

## AVIONICS

Garmin G1000 NXi Avionics Suite:

Single 10.4" GDU 1050 PFD, Single 10.4" GDU 1050 MFD, GMA 1360 Digital Audio Panel, GTX 345R Transponder, Garmin G5 Standby Instrument, Garmin FliteCharts, Garmin SafeTaxi

## OTHER EQUIPMENT

LED Wing Tip Recognition & Tail Strobe Lights, Overhead Air Distribution Blower Fan, USB Charging Ports, Cockpit Stowage Pouches, CO Detector, Paint Scheme with Two Vinyl Trim Colors and Logo

## AVIONICS EQUIPMENT OPTIONS

GFC 700 Autopilot

Jeppesen ChartView Enablement

SVT - Garmin Synthetic Vision

TAWS-B (Terrain Awareness and Warning System)

Flight Stream 510 with Connex

GTS 800 Traffic Advisory System

Enhanced AFCS Enablement

GDL 69A SXM Satellite Radio / Weather

FlightCom - Rear Seat PTT

BendixKing KR 87 ADF

BendixKing KN 63 DME

GDL 59 WiFi Data Link

Vision 1000 (Appareo flight monitoring system)

Safe Flight Angle of Attack (AOA) System

Wet Compass

## ADDITIONAL OPTIONS

PiperAire Air Conditioning

United Kingdom Lighting Package

AmSafe Seatbelt - Pilot and Co-Pilot Positions

Cargo Net

Hot Weather Kit

- Fuel Return

- Mag Booster (Surestart)

- Second Oil Cooler & CHT's

Special options | Quoted upon request



*ARCHER DX*

## ENGINES

Continental CD-155  
Full Authority Digital Engine Control (FADEC)  
Horsepower: 155 hp

## PROPELLERS

MT 3-Blade | Constant Speed

## WEIGHTS

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

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

**Standard Empty Weight:** 1,764 lbs | 800 kg

**Standard Useful Load:** 794 lbs | 360 kg

## CRUISING SPEED

123 kts | 228 km/h (75% power)

## FUEL CAPACITY

48 US gal | 182 liters (Usable)

## MAXIMUM RANGE

848 nm | 1,570 km

## SERVICE CEILING

16,100 ft | 4,877 m

## TAKEOFF DISTANCE

**Ground Roll:** 919 ft | 280 m

**Total Over 50 ft Obstacle:** 1,673 ft | 510 m

## LANDING DISTANCE

**Ground Roll:** 920 ft | 280 m

**Total Over 50 ft Obstacle:** 1,400 ft | 427 m

## DIMENSIONS

**Wingspan:** 35 ft 6 in | 10.8 m

**Height:** 7 ft 3 in | 2.2 m

**Length:** 24 ft | 7.3 m

## AVIONICS

Garmin G1000 NXi Avionics Suite:

Single 10.4" GDU 1050 PFD, Single 10.4" GDU 1050 MFD, GMA 1360 Digital Audio Panel, GTX 345R Transponder, Garmin G5 Standby Instrument, Garmin FliteCharts, Garmin SafeTaxi

## OTHER EQUIPMENT

LED Wing Tip Recognition & Tail Strobe Lights, Overhead Air Distribution Blower Fan, USB Charging Ports, Cockpit Stowage Pouches, CO Detector, Paint Scheme with Two Vinyl Trim Colors and Logo

## AVIONICS EQUIPMENT OPTIONS

GFC 700 Autopilot

Jeppesen ChartView Enablement

SVT - Garmin Synthetic Vision

TAWS-B (Terrain Awareness and Warning System)

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GTS 800 Traffic Advisory System

Enhanced AFCS Enablement

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BendixKing KR 87 ADF

BendixKing KN 63 DME

GDL 59 WiFi Data Link

Vision 1000 (Appareo flight monitoring system)

Safe Flight Angle of Attack (AOA) System

Wet Compass

## ADDITIONAL OPTIONS

United Kingdom Lighting Package

AmSafe Seatbelt - Pilot and Co-Pilot Positions

Cargo Net

Special options | Quoted upon request



## ENGINES

Lycoming IO-360-B4A  
Horsepower: 180 hp

## PROPELLERS

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 Empty Weight:** 1,590 lbs | 721 kg

**Standard Useful Load:** 968 lbs | 439 kg

## MAX CRUISING SPEED

128 ktas | 237 km/h (75% power)

## FUEL CAPACITY

48 US gal | 182 liters (Usable)

## MAXIMUM RANGE

522 nm | 967 km

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**Ground Roll:** 920 ft | 280 m

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## DIMENSIONS

**Wingspan:** 35 ft 6 in | 10.8 m

**Height:** 7 ft 3 in | 2.2 m

**Length:** 24 ft | 7.3 m

## AVIONICS

Garmin G3X Touch:

Single 10.6" PFD with Connex<sup>®</sup> technology, configurable as a split screen PFD/MFD

## AVIONICS EQUIPMENT OPTIONS

Garmin G5 Standby

GFC500 Autopilot with Electronic Stability Protection

GNX 375 2" Touchscreen Nav/Xpndr w/ADS B In & Out

GNC 255A NAV/Comm Radio

GTR 20 2nd VHF COM Radio

GMA 245R Remote Audio Panel w/Bluetooth

Moving Map, Terrain, Obstacle, and Traffic Alerts, Synthetic Vision,

Airport Directory, Flight Data Logging

Wet Compass

## STANDARD EQUIPMENT

USB Charging Ports

LED Wing Tip Lights

Pilot, Co-Pilot, and Observer Seat with Headset Jacks and PTT

Vinyl Floor Covering

School Color Scheme with two Vinyl Trim Colors and Logo

Hot Weather Fuel Return System

## ADDITIONAL OPTIONS

Am-Safe Seatbelts

ESP Disconnect at startup

Special options | Quoted upon request



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