TRAINERS

WELCOME TO THE TRAINER CLASS | FREEDOM TO LEARN

N7011M

Piper®

FREEDOM OF FLIGHT

SEMINOLE | ARCHER TX | ARCHER DX | PILOT 100i
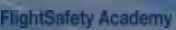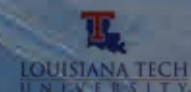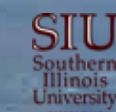
PIPER IS PREPARING PILOTS
FOR THE FUTURE OF AVIATION

Piper Trainers give career pilots in training the experience they need to meet the growing demand

for professional pilots, while providing flight schools with the most cost-effective training platforms.

PROUDLY SUPPORTING THE FLEETS OF:

L3 Technologies · STATE · Western Michigan University · AeroGuard · Aims Community College · Andrews University · MGA Knights · UND · SIU Southern Illinois University · AU

Central Texas College · CBU · ATP · Averett University · BGSU · UD · Farmingdale State College · UVU Utah Valley University

SPARTAN · LU · Minnesota State University · Louisiana Tech University · Kent State University · Florida Tech · ASU · Big Bend · FlightSafety Academy · CAE

...AND GROWING!

HIGHER *LEARNING.*

Each Piper Aircraft interior is designed with maximum comfort and durability in mind. The ergonomic seating provides a comfortable environment allowing the pilot and instructor to focus on the task at hand. Heavy-duty vinyl and wear-resistant synthetic leathers are hand-fitted to the seats and side-walls, prepared to withstand repetitive use. Air conditioning is an available option with most aircraft.
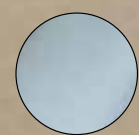
Get acquainted with the softer side of rugged vinyl. The Archer TX's interior is designed with both comfort and function in mind. Soft wear-resistant synthetic leather seats yield and conform for maximum traveling comfort, but remain durable enough to withstand the demands of repetitive use. Ergonomic interior design facilitates maximum cabin comfort. When it comes to tough love, you will love the soft side of this aircraft's tough interior.
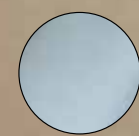

Archer TX

Archer LX

Steel
Standard Interior: Seminole, Archer TX, Archer DX, Arrow

Steel   **Sienna**   **Sand**
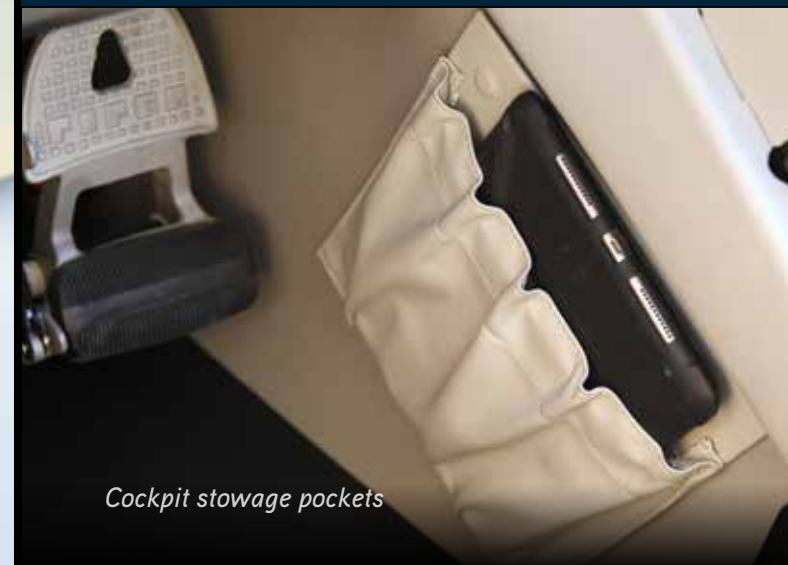*Standard Interior: Archer LX and Archer DLX*

Carpet or Vinyl Flooring Options

School Paint Scheme with Logo

Cockpit stowage pockets

INTERIOR **PERFECTION**

Piper Aircraft, Inc. is the first aircraft manufacturing company to place the Garmin G1000 NXi system into its 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 is able 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 enhanse the crew's safety and situational awareness.

Students are able to perform WAAS enabled LPV approaches, create visual approach glide paths to pre-selected minimums, as well as display up-to-date approach, enroute, arrival, and departure charts on the MFD. Flight Stream 510 is an advanced option which 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 cockpit classroom, giving them the tools they need to succeed in any advanced aircraft.

G1000 NXi
ARCHER SHOWN

SAFETY AND NAVIGATION

Enhanced Automatic Flight Control System (AFCS)*
(AVAILABLE IN SEMINOLE & ARCHER)

The Enhanced Automatic Flight Control System is an advanced AHRS-based system. Originally designed for turbine aircraft, 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.

Automatic Level Mode (Blue Button)
Level Mode is a function that will return the aircraft to a wings level attitude with zero vertical speed at the push of a button. Level Mode will automatically engage the flight director and autopilot functions to return the aircraft to straight and level flight.

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 and prevent a stall.

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. As the pilot advances the throttles, the autopilot will remain engaged and follow the pitch attitude commanded by the flight director display.

*Requires GFC 700 Autopilot

SEMINOLE

ENGINES
(2) Lycoming IO-360-B1G6
Horsepower: 180 hp each
Number of Cylinders: 4
TBO: 2,200 hours

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)

RANGE WITH 45 MIN. RESERVE
700 nm | 1,296 km

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

SurfaceWatch	$6,191
Enhanced AFCS Enablement	$8,522
Jeppesen ChartView	$3,535
SVT - Garmin Synthetic Vision	$11,426
TAWS-B (Terrain Awareness and Warning System)	$11,482
Flight Stream 510 with Connext	$2,612
GTS 800 Traffic Advisory System	$15,760
GFC 700 Autopilot	$30,481
GDL 69A SXM Satellite Radio / Weather	$10,357
Flightcom - Rear Seats PTT	$443
BendixKing KR 87 ADF	$8,060
BendixKing KN 63 DME	$9,963
GDL 59 Wi-Fi Data Link	$14,208
Vision 1000 (Appareo flight monitoring system)	$17,224
Safe Flite Angle of Attack (AOA) System	$3,232
Wet Compass	$643

ADDITIONAL OPTIONS

Kelly Aerospace Air Conditioning (After market install)	$27,775
United Kingdom Lighting Package	$1,576
Nonstandard Paint Color – Top	$7,684
Nonstandard Paint Color – Bottom	$7,684
Nonstandard Approved Paint Scheme	Quoted upon request
AmSafe Seatbelts - Pilot and Co-Pilot Seats	$6,698
Cargo Net	$1,093

Additional special options | Quoted upon request

ARCHER TX

ENGINE
Lycoming IO-360-B4A
Horsepower: 180 hp
Number of Cylinders: 4
TBO: 2,200 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 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)

RANGE WITH 45 MIN. RESERVE
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, 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

Enhanced AFCS Enablement	$8,522
Jeppesen ChartView	$3,535
SVT - Garmin Synthetic Vision	$11,426
TAWS-B (Terrain Awareness and Warning System)	$11,482
Flight Stream 510 with Connext	$2,612
GTS 800 Traffic Advisory System	$15,760
GFC 700 Digital Autopilot	$30,481
GDL 69A SXM Satellite Radio / Weather	$10,357
FlightCom - Rear Seat PTT	$443
BendixKing KR 87 ADF	$8,060
BendixKing KN 63 DME	$9,963
GDL 59 Wi-Fi Data Link	$14,208
Vision 1000 (Appareo flight monitoring system)	$17,224
Safe Flite Angle of Attack (AOA) System	$3,232
Wet Compass	$643

ADDITIONAL OPTIONS

PiperAire Air Conditioning	$19,408
Vinyl Floor Covering (Exchange for standard carpet)	
United Kingdom Lighting Package	$1,576
AmSafe Seatbelts - Pilot and Co-Pilot Positions	$6,698
Hot Weather Kit	$5,300
Fuel Return - Fuel Injected Engine Only	
Mag Booster - (Surestart)	
Second Oil Cooler & CHT's - Fuel Injected Engine Only	
Cargo Net	$1,093
Nonstandard Paint Color – Top	$7,684
Nonstandard Paint Color – Bottom	$7,684
Nonstandard Approved Paint Scheme	Quoted upon request

Additional special options | Quoted upon request

ARCHER DX

ENGINE
Continental CD-155
Horsepower: 155 hp
Number of Cylinders: 4

PROPELLER
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 ktas | 228 km/h (75% power)

FUEL CAPACITY
48 US gal | 182 liters (Usable)

RANGE WITH 45 MIN. RESERVE
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, 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

Enhanced AFCS Enablement	$8,522
Jeppesen ChartView	$3,535
SVT - Garmin Synthetic Vision	$11,426
TAWS-B (Terrain Awareness and Warning System)	$11,482
Flight Stream 510 with Connext	$2,612
GTS 800 Traffic Advisory System	$15,761
GFC 700 Digital Autopilot	$30,481
GDL 69A SXM Satellite Radio / Weather	$10,357
FlightCom - Rear Seat PTT	$443
BendixKing KR 87 ADF	$8,060
BendixKing KN 63 DME	$9,963
GDL 59 Wi-Fi Data Link	$14,208
Vision 1000 (Appareo flight monitoring system)	$17,224
Safe Flight Angle of Attack (AOA) System	$3,232
Wet Compass	$643

ADDITIONAL OPTIONS

Vinyl Floor Covering (Exchange for standard carpet)	
AmSafe Seatbelts - Pilot and Co-Pilot Positions	$6,69
Cargo Net	$1,093
United Kingdom Lighting Package	$1,576
Nonstandard Paint Color – Top	$7,684
Nonstandard Paint Color – Bottom	$7,684
Nonstandard Approved Paint Scheme	Quoted upon request

Additional special options | Quoted upon request

ENGINE
Lycoming IO-360-B4A

Horsepower: 180 hp
Number of Cylinders: 4
TBO: 2,200 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 Empty Weight: 1,590 lbs | 721 kg
Standard Useful Load: 968 lbs | 439 kg

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

FUEL CAPACITY
48 US gal | 182 liters (Usable)

RANGE WITH 45 MIN. RESERVE
522 nm | 967 km

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 G3X Touch™:
Single 10.6" PFD with Connext® technology, configurable as a split screen PFD/MFD.

AVIONICS EQUIPMENT

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

ADDITIONAL OPTIONS
Am-Safe Seatbelts
ESP Disconnect at startup

Additional special options | Quoted upon request

Piper®