Piper Aircraft, Inc.: Overview and Trainer Updates

Mike Murphy
*International and Fleet Sales, Piper*

Follow this and additional works at: [https://commons.erau.edu/ntas](https://commons.erau.edu/ntas)

Murphy, Mike, "Piper Aircraft, Inc.: Overview and Trainer Updates" (2016). *National Training Aircraft Symposium (NTAS).* 17.
[https://commons.erau.edu/ntas/2016/presentations/17](https://commons.erau.edu/ntas/2016/presentations/17)

This Event is brought to you for free and open access by the Conferences at Scholarly Commons. It has been accepted for inclusion in National Training Aircraft Symposium (NTAS) by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.
The Executive Leadership Team

Simon Caldecott
President & CEO

Pat Ollis
Sr. Executive Administrator

Bob Martellotti
Air Safety Mgr.*

Frank Harkins
V.P.
General Counsel

Jim Funk
COO

John Calcagno
CFO
Finance

Drew McEwen
V.P. Sales, Marketing and Customer Support

*Bob Martellotti has dotted line responsibilities to Frank Harkins
Company Overview

- Continue focus on
  - Product Development
  - Market Development
  - Cost Control

- Additional focus on customers through cultural change
  - Reinforcing Piper’s Mission Statement with All employees
    “To be a world leader in General Aviation, developing and manufacturing premium aircraft and services of exceptional value which consistently exceed our customer’s expectations.”

- Ensure All employees know and Practice Piper’s
  - Core Values
  - Company Vision
TRAINER AVIATION

- Only aircraft manufacturer to offer a complete line of training aircraft
  - single engine
  - complex and retractable gear
  - multi-engine
    - Products are durable, easy to maintain, and offer competitive operating costs
    - Garmin G1000 Avionics
- Superior ownership experience
- Responsive customer support
- World-wide parts availability
Piper Flight School Alliance

- Partnership offering scholarships, sponsorships, marketing co-op, etc.
- Helps add value to the student and the flight training organization
Piper Archer TX

- 128 ktas cruise speed
- 870 lbs standard useful load
- 180 hp Lycoming O-360
- Durable landing gear for primary training
- Docile flight characteristics for safer maneuvering, stalls, and crosswind landings
Piper Archer Garmin G1000
Piper Archer DX

- Centurion 2.0S diesel engine with FADEC
- 114 ktas cruise speed
- 794 lbs standard useful load
- 38% less fuel burn when compared to similar 4-place Avgas piston aircraft
Key Features

World-famous, proven PA-28 airframe
- Rugged reliability and ease of maintenance
- Ideal flying qualities for flight training and light touring
- Piper global support network

Continental Centurion 2.0s engine
- Smooth, quiet power
- Single-lever operation
- Fully integrated with G1000
- Excellent operating economics
- Anticipated TBR increase to 1800-2200

Garmin G1000 avionics
- State-of-the-art integrated flight deck suite
- Train with the same advanced features found on larger aircraft
Specifications

- Basic Empty Weight: 1,764 lbs./800 kg
- Useful Load: 794 lbs./360 kg
- Full Fuel Payload: 506 lbs./230 kg
- Fuel Consumption, 100% power: 8.9 gph/33.7 lph
- Fuel Consumption, 75% power: 6.3 gph/23.8 lph
- Fuel Consumption, 50% power: 4.0 gph/15.3 lph
- Takeoff, Ground Roll (SL, ISA +30 C, MTOW): 1,188 ft./362 m
- Takeoff, over 50 ft. obstacle (SL, ISA +30C, MTOW): 2,175 ft./663 m
- Cruise Speed, 75% power, 8,000 ft.: 118 ktas
Piper Seminole

- 162 ktas cruise speed
- 1,191 lbs useful load
- (2) 180hp Lycoming O-360
- Counter-rotating props for safer single engine operations
- Most widely used multi-engine training aircraft
Piper Seminole G1000
Enhanced Features

- ESP
- Level Mode
- Expanded Engagement Envelope
- USP
- Coupled Go-Around
Piper Arrow

- 137 ktas cruise speed
- 960 lbs useful load
- 200 hp Lycoming IO-360
- Only complex training airplane built today
- Allows for commonality throughout entire fleet
Piper Arrow Garmin G500
Avionics

- Archer and Seminole currently utilize identical instrument panels
- Aspen 1000 backup instrumentation
- GTS800 now available in the Archer and Seminole
- GDL-88 certified
- AOA options have been requested
Improvements

- Fuel Injected Archers (Q4 2016)
- GTN-650 (touchscreen GPS/NAV/COMM arrows/warriors)
- GTX-345 (Q4 2016)
- Interior ergonomic improvements
Thank You

Piper