



Hitchcock Aviation LLC.

General Information

Hitchcock Aviation offers this low time Thunder Mustang one of two Turbine Thunder Mustangs ever built. Built with the Walter 601D Turbine engine, same engine used in other Experimental aircraft. This engine is reliable with no hot sections required and has a fresh IRAN from Turbine Tech Technologies. The speed and reliability and fun you will have with this updated Turbine Thunder Mustang is one you need to consider, this plane needs nothing!

Equipment Specifications:

Registration Number:	N151PK
Serial Number:	28
Year:	2008
Manufacturer:	Paul Kirsch
Model:	Thunder Mustang (Turbine)
Price:	\$475,000
Location:	Deland, Florida (KDED)
Condition:	Used
Flight Rules	VFR
Number of Seats:	2

Detailed Description

Airframe:

Total Time Air Frame: 101
Composite Airframe capable of +9 G's to -6 G's

Engine Specifications:

Total Time Engine: 0 SMOH (IRAN)
1500 Hours until next IRAN
Walter Turbine (M 601 D) 650 Shaft HP
Engine limited to 4G's
New Fuel System to include Header Tank and boost pump

Prop:

Total Time Since New: 101
Three-Blade AVIA V508 Prop
Prop Balanced at IRAN

Modifications/Conversions:

Complete electronic automatic ignition, wiring harness and starting system by Power Generation & Engineering
Electro-Hydraulic gear pump
Fuel Header Tank

Modifications/Conversions:

- Replumbed oil cooler
- New Battery tray
- New Fuel System
- Custom Lighting

Avionics/Radios:

- EFIS: Garmin G3X Primary Flight Display
- Autopilot: Garmin G3X (Slaved to GPS/Nav/HDG)
- GPS: Garmin GTN625W
- Transponder: Garmin 345 (ADS B in and Out)
- VR Avionics Digital Engine Turbine Gauges

Additional Equipment:

- Artex ELT
- G-Meter
- Navigation Lights
- Strobes
- Pitot Heat
- Ground Power
- Fuel Boost Pumps (2)
- Electric Trim
- Electric Flaps
- Baggage Door
- Ability to fly from the rear seat, with stick and rudders

Exterior:

- Finished in Silver, Black with Blue accent stripe

Interior:

- Two Seats, grey leather, with grey leather trim on side panels

Inspection Status:

- Current Inspection

Price: \$475,000

ALL SPECS TO BE VERIFIED BY PURCHASER

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THUNDER MUSTANG SPECIFICATIONS

	THUNDER MUSTANG	NORTH AMERICAN P-51D
Power plant	Walter Turbine	1490 hp Merlin V-1650-7
Displacement	650 SHP	1649 cubic inch
Propeller	AVIA V508 Three-Blade	134" Hamilton Standard 4-blade
Length	24.2 ft.	32.2 ft.
Frontal area	8.1 sq. ft.	13.4 sq. ft.
Wing Span	23.8 ft.	37.0 ft.
Wing area	104 sq. ft.	235.75 sq. ft.
Wing Loading	28.84 lbs./sq. ft.	49.2 lbs./sq. ft.
Power Loading	4.69 lbs./hp	7.78 lbs./hp
Gross Weight	3,200 lbs.	11,600 lbs.
Empty Weight	2,200 lbs.	7,635 lbs.
Useful Load	1,000 lbs.	3,965 lbs.
Payload with full fuel	400 lbs.	2,885 lbs.
Basic Fuel Capacity	104 gallons in wings	180 gallons in wings and fuselage
Baggage Capacity	50 lbs.	None
Design Limit Load	+ 9 g's @ 2600 lbs. (+ 7.3 @ 3200) - 6 g's @ 2600 lbs. (- 4.9 @ 3200) **+ 4 g's Engine Design Limit**	+ 8 g's @ 8000 lbs. (+5.5 @ 11,600) - 4 g's @ 8000 lbs. (- 2.8 @ 11,600)
PERFORMANCE		
Rate of Climb @ Gross	5,200 fpm	2,800 fpm
Max at Sea Level	326 kts. (375 mph)	326 kts.(375 mph)
Max. at 25,000 ft.		380 kts. (437 mph) Supercharged
Cruise @ 75% power	250 kts. (300 mph) @ 40 gph	250 kts. (300 mph) @ 50-75 gph
Range	500 nm 600 nm @ economy cruise	700 nm
Service Ceiling	25,000 ft.	46,000 ft.
LIMITING & RECOMMENDED AIRSPEEDS		
Vx (best angle of climb)	87 kts.	87 kts.
Vy (best rate of climb)	156 kts.	148 kts.
Va (maneuvering)	222 kts.	226 kts.
Vfe (flaps extended)	165 kts.	143 kts.
Vle (gear extended)	148 kts.	148 kts
Vne (never exceed)	439 kts.	439 kts.
Vsl (stall, clean)	77 kts.	92 kts.
Vso (stall, landing)	68 kts.	88 kts.
Best Glide	153 kts.	152 kts.

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