



HITCHCOCK AVIATION LLC.

DESCRIPTION

General Information New Build Thunder Mustang newest on the market! Engine has all new updates, aircraft has been inspected by Thunder Mustang Specialists this is ready to fly off the inspection time and make it your own! ZERO FLIGHT TIME ON THIS PLANE!

Equipment Specifications:

Registration Number:	N33MB
Serial Number:	EITMO-21
Year:	2020
Manufacturer:	Papa 51 Ltd.
Model:	Thunder Mustang
Price:	\$505,000
Location:	Florida
Condition:	New
Flight Rules	VFR
Number of Seats:	2

Detailed Description

Airframe:

Total Time Air Frame: 0 Hours
Composite Airframe capable of +9 G's to -6 G's
112 Gallons of fuel

Engine Specifications:

Total Time Engine: 0 Hours
Falconer V-12 (640 HP) @ 4500 RPM
Compression ratio 10.9:1 running 100LL AV Gas
Chip detector in Gear box and oil system

Prop:

Total Time Since New: 0 Hours
MT 94" 4-Blade Constant Speed

Modifications/Conversions:

FCU's have just been re-mapped
Wind-age tray upgraded
Oil System upgraded

Avionics/Radios:

Audio Panel:	Garmin 340
Gps/Nav/Comm 1:	Garmin 430 (Non-Waas)
Com 2:	Garmin SL-40
Transponder:	King KT-76C
HSI:	Bendix/King KCS-55 (Slaved)
Engine Monitor:	VMS VM-1000 Digital unit
Auto-Pilot:	S-Tec 30 with GPSS steering

Additional Equipment:

Artex ELT
G-Meter
GT-50 Flight Data System
Engine Chip Detector

Exterior:

Finished in a High Gloss Red, you will get noticed!

Interior:

Two-Seats in Grey Leather with removable cushions, throttle controls and rudder pedals for rear seat occupant

Inspection Status:

Fresh Conditional Inspection at time of sale
Certification Issue Date: TBD

****All Specifications must be verified by the Potential Purchaser****

If interested in this aircraft please call me at 208-794-2444 or email me at:

Hitchcock.aviation@gmail.com lor www.Hitchcockaviation.com



Hitchcock Aviation



THUNDER MUSTANG SPECIFICATIONS

	THUNDER MUSTANG	NORTH AMERICAN P-51D
Power plant	640 hp Falconer V-12 @ 4500 rpm	1490 hp Merlin V-1650-7
Displacement	601 cubic inch	1649 cubic inch
Propeller	94" MT 4-blade constant speed	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	102 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)	+ 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	300 kts. (345 mph) @ 20-25 gph	250 kts. (300 mph) @ 50-75 gph
Range	1300 nm 1600 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.