



2016 Maule M-8-235 Star Rocket, Aluminum Spring Taildragger – N6GQ

Lycoming O-540-B4B5 (mogas approved), 2500lb GRWT

TTAF - 84.6, TTSO - 11.8, Installed 3/15/2022

Paint and Stripe Options:

- Fuselage Top and Wing Cover: Tennessee Red
- Upper Stripe Color: Sunbelt Yellow
- Center Stripe color: Black
- Lower Stripe Color: Gull Gray
- Registration Number: Black
- Shadow Under Registration Number: Traffic Gray
- Base Color: Glacier White

Interior Options

- Safari (dark gray) Interior: Gunmetal Vinyl, Fossil Fabric, Safari Headliner, Mist Instrument Panel, Black Carpet

Engine Data Management:

- JPI EDM-730-6C (EGT, CHT, Vlt, SC, OAT, Oil): O-540 engines
- Carburetor Temperature option for JPI EDM-730
- Fuel flow option for JPI EDM-730

Landing Gear Upgrades:

- Tailwheel – Alaska Bushwheel 3200 series
- Upgrade tires and tubes – 800 x 6.00

Assorted Upgrades and Accessories:

- Dynamic balancing for propellor
- McCauley 3 blade propellor 83D32C414/82NDA-2
- Halon fire extinguisher
- Oregon Aero contoured seat cushions (P & CP)
- Vortex Generators from Micro Aerodynamics

Observation Enhancements:

- Smoke tinted Plexiglass in all windows
- Sun visors from Rosen: pilot & co-pilot installed

Avionics Package and Upgrades:

- Garmin 750 GNS Navigator
- Garmin 255A Nav/Com upgrade
- Garmin GTX 330 w/ES transponder
- ADS-B In/Out
- Broad Band antenna
- Antenna for Garmin 330 transponder
- PS Engineering PM 1000 II intercom/audio controller



SPECIFICATIONS

- Type:** Four place high wing cabin monoplane
- Wing:** Strut-braced two spar, metal covered, modified USA 35-B airfoil, fiberglass wingtips.
- Fuselage:** Welded steel tube cage structure
Fuselage & tail group covered with Ceconite synthetic fabric
Fiberglass engine cowl. Aluminum skin on forward fuselage and doors
- Landing Gear:** Spring aluminum main gear. Hydraulic brakes
Automatic locking Alaska Bushwheel steerable tailwheel
- Control Systems:** Dual systems for control wheels, rudder pedals, and brakes
All control surfaces directly cable driven
Mechanical flap and trim controls at center on floor
All other controls and switches instrument panel mounted

Design Specifications;

- Wing span: 32 feet 11 inches
- Length: 23 feet, 7 ½ inches
- Height: 6'4"
- Gross weight: 2500 pounds
- Wing loading: 15.1 pounds/sq ft
- Power Loading: 10.6 pounds/hp
- Flaps: Neg 7°, 0°, 24°, 40°, 48°
- Center Cargo Max: 175 lbs
- Baggage Comprtmnt: 35 ½"H x 30"W x 21"L

Specifications (continued)

Main fuel tanks – Inboard	Right main 23.8 gallons (2.3 unusable) Left main 23.8 gallons (2.3 unusable)
Auxiliary tanks (outboard)	Right auxiliary tank 21.0 gallons Left auxiliary tank 21.0 gallons
Engine Oil	12 quarts maximum, 9 quarts minimum

PERFORMANCE:

Engine:	Lycoming O-540 B4B5
Gross weight	2500 pounds
Empty weight	1605 pounds (avg-see actual weight and balance of N6GQ)
Useful load	895 pounds (avg-see actual weight & balance of N6GQ)
Stall Speed	40 mph (full flaps, power off/light weight IAS)
Take off, ground roll	250 ft (light weight)
Rate of climb, initial	1500'/minute (light weight)
TO over 50' obstacle	600' (light weight)
Landing over obstacle	900 ft (light weight)
Service ceiling	20,000 ft
Fuel consumption	12 gph @ 65% power
Cruise (opt alt)	158 mph TAS
Avg range 65% power	920 miles (w/30 minute reserve)

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