MAULE MX7-180B Model Guide

The MAULE MX7-180B is a single-engine piston aircraft from Maule, part of the MX-7 family (MX-7-160 through MX-7-420). Family-level maxima, not this variant's figures: up to 5 passengers, 180 kt cruise, 420 nm range, 20,000 ft ceiling. The only variant-specific document supplied covers an MT-Propeller conversion, so performance and weights must be confirmed from the aircraft's own flight manual.

KEY TAKEAWAYS

- Family maxima only: up to 5 passengers, 180 kt cruise, 420 nm range, 20,000 ft ceiling; confirm MX7-180B figures.
- An MT-Propeller MTV-15-B/203-58 2-blade constant speed propeller STC is documented for the MX-7-180B.
- The STC replaces the Hartzell constant speed propeller and spinner; the existing governor can be retained.
- The propeller STC adds no airworthiness limitations and no mandatory replacement times for propeller components.

MT-PROPELLER CONVERSION

Maintenance instructions cover the MTV-15-B/203-58 propeller (EASA STC 10028096) on the MX-7-180B. The conversion removes the existing Hartzell constant speed propeller and spinner and fits the MT propeller and its spinner. The existing governor can be retained. If the aircraft has it, ask for the flight manual supplement E-1780.

PROPELLER PREFLIGHT CHECKS

The daily preflight covers propeller blades and spinners. Look for visible damage, cracks, grease or oil leakage, blade shake and blade angle play. Allowed: blade shake up to 1/8 inch (3 mm) and blade angle play of 2 degrees. Debris from the ramp and runway can damage the blades, so check them before every flight.

RECORDS AND SERVICE HISTORY

Overhaul periods are set by MT-Propeller Service Bulletin No. 1, latest revision. Ask for proof of compliance with Service Bulletin No. 1 (revision 11 or later), Service Letter No. 32 (revision 9 or later) and Service Instruction No. 4 (revision 15 or later). The STC also obliges the operator to add these instructions to the maintenance program.

SAFETY NOTES

- Check propeller blades and spinners before every flight for damage, cracks, leaks, blade shake and angle play.
- Do not dress out nicks on the MT-Propeller blades as you would on metal blades.
- Clean the propeller only with mild soap and water; do not use solvents.

AI-aggregated guide for the MAULE MX7-180B · sources: INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (#100135) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.