MAULE M-5-180C Model Guide

The MAULE M-5-180C is a single-engine piston aircraft from Maule, part of the M-5 family. That family also includes the M-5-200, M-5-210C, M-5-210TC, M-5-220C and M-5-235C. The inputs give no variant-specific specifications, so the figures below are family-level only. Check the aircraft's own documents before relying on any number.

KEY TAKEAWAYS

- MAULE M-5-180C: single-engine piston; no variant-specific specs, weights or speeds were supplied.
- M-5 family reaches up to 500 nm range, 150 kt cruise and 20000 ft ceiling (best variant, not necessarily this one).
- Family seats up to 4 and has a maximum takeoff weight up to 1000 kg across variants.
- A 14V alternator control (data sheet B-00371-1) lists the M-5-180C as an eligible aircraft.

FAMILY CONTEXT

Registry data covers the whole M-5 family: Maule piston singles with variants M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C and M-5-235C. Family maxima are up to 500 nm range, up to 150 kt cruise, up to 1000 kg MTOW, up to 4 passengers and up to 20000 ft service ceiling. These are not M-5-180C figures.

ELECTRICAL SYSTEM DATA

Technical Data Sheet B-00371-1 describes a 14V single-engine alternator control. It is factory set to 14.0V, handles 5A max load current, trips on over-voltage at 16.0V and weighs 0.3 lb max. The M-5-180C is in its eligibility list. The sheet tells the installer to cross-check eligibility against applicable technical data.

WHAT TO VERIFY WHEN BUYING

The inputs hold no airframe, engine, weight and balance or performance data for the M-5-180C. Get the type certificate data, the flight manual and the aircraft's weight and balance records. Confirm the installed alternator control part number matches the applicable technical data.

SAFETY NOTES

- When used with an operating alternator, do not bypass the bus to the field to check the alternator or the over-voltage protection.
- The alternator control latches off after an over-voltage event or a shorted output. Resetting needs a momentary supply turn-off.

AI-aggregated guide for the MAULE M-5-180C · sources: Technical Data Sheet B-00371-1 (#101836) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.