

Cessna Grand Caravan EX Model Guide

The Cessna Grand Caravan EX is a single-engine turboprop utility aircraft, first built in 2013. It uses an 867-shp Pratt & Whitney Canada PT6A-140 and a Garmin G1000 NXi flight deck. Factory figures list 10-14 occupants (depending on local regulations), 3,532 lb useful load, 912 nm max range and 185 ktas max cruise.

KEY TAKEAWAYS

- Brochure figures: 912 nm max range, 185 ktas max cruise and 3,532 lb useful load, with the optional cargo pod fitted.
- An 867-shp PT6A-140 turboprop powers it. Type acceptance data gives an MTOW of 8807 lb (3994 kg) with that engine.
- Seating is 10 on the FAA data sheet and up to 14 under the International Supplement. Check local rules.
- Optional equipment varies a lot: cargo pod, TKS anti-ice, air conditioning, oxygen, 29-inch tires. Verify each airframe.

PERFORMANCE BASIS

Brochure figures assume a standard day, zero wind, and a level, dry, paved runway at sea level at MTOW. Takeoff ground roll is 1,399 ft. Range is a ferry mission at long-range cruise with VFR 45-minute reserve. Block fuel is 301 lbs for 100 nm and 1,219 lbs for 500 nm.

OPTIONS AND UPGRADES

A 2019 for-sale listing (serial 208B-5553) shows a cargo pod, TKS anti-ice, cabin air conditioning, a 17-port oxygen system, 29-inch oversize tires (standard is 22-inch) and GWX-70 weather radar. A TB44 lithium-ion battery STC covers the Grand Caravan EX and is 29-32 lb lighter than lead-acid or NiCad.

PAPERWORK AND APPROVALS

Type Acceptance Report TAR 96/10 covers the 208 series based on FAA Type Certificate A37CE. The PT6A-140 uses a Hartzell HC-B3TN-3AF/T10890CN-2 propeller. The FAA MMEL (Revision 12, 02/02/2021) lists the Grand Caravan EX for dispatch with inoperative equipment.

SPECIFICATIONS

Standard Tire Size In	22
Optional Tire Size In	29

PERFORMANCE

Max Range Nm	912
Max Cruise Speed Kt	185
Takeoff Ground Roll Ft	1399
Block Fuel 100nm Lbs	301
Block Fuel 500nm Lbs	1219

WEIGHT & BALANCE

Max Takeoff Weight Lbs	8807
Useful Load Lbs	3532

SAFETY NOTES

- Check installed equipment against the MMEL before dispatching with inoperative items. It applies to 14 CFR Parts 91, 91K, 125 and 135 operations only.
- Brochure performance includes the optional cargo pod and standard-day, zero-wind conditions. Confirm figures against the specific aircraft's flight manual.