Cessna 400 Corvalis TT Model Guide

The Cessna 400 Corvalis TT is a four-seat, single-engine piston airplane built from 2004 to 2010. It has a 310 hp Continental TSIO-550-C. The comparison sheet lists a 3,600 lb gross weight, 1,050 lb useful load, 235 KTAS max cruise and a 25,000 ft max altitude.

KEY TAKEAWAYS

- Fast four-seater: 235 KTAS max cruise, 223 KTAS typical, and about 1,100 nm typical range.
- Useful load is 1,050 lb on a 3,600 lb gross weight, with 102 gal usable fuel on later aircraft.
- Avionics depend on serial number: SN 41562 and earlier have Avidyne Entegra; later aircraft have Garmin G1000.
- Check the Inconel exhaust closely. It can corrode from the inside without visible warning signs.

PERFORMANCE AND HANDLING

Listed figures: 1,450 fpm typical climb, 20 minutes to 25,000 ft, 1,200 ft takeoff ground roll and 1,900 ft over a 50 ft obstacle. Landing is 1,260 ft. Speed brakes are standard. The comparison author describes docile, stable handling.

VARIANTS AND SERIAL-NUMBER DIFFERENCES

Fuel: aircraft with SN 41799 and earlier have 98 gal usable, and later ones have 102 gal after a redesign of the slosh box. SVT, WAAS and data logging are standard on 2008 and newer, and can be retrofitted down to SN 41563. 26G seats are listed for SN 41563 and on.

SYSTEMS AND EQUIPMENT

Two independent buses each have an alternator and battery. If one alternator fails, the pilot selects the CROSSTIE switch ON. If both fail, 30 minutes of electrical power remain. Built-in oxygen is standard. Icing protection is two supplemental options (TKS or Thermawing), not certified FIKI.

SPECIFICATIONS

Horsepower Hp	310
Usable Fuel Gal	102
Max Takeoff Weight Lbs	3600
Useful Load Lbs	1050
Max Altitude Ft	25000
Seats	4

PERFORMANCE

Max Cruise Kt	235
Typical Cruise Kt	223
Rate Of Climb Fpm	1450
Takeoff Ground Roll Ft	1200
Takeoff Over 50ft Obstacle Ft	1900
Landing Distance Ft	1260
Typical Range Nm	1100

V-SPEEDS

Vne Kts	230
Vno Kts	181
Vo Kts	138
Vfe First Notch Kts	127
Vfe Full Flaps Kts	117
Vs Clean Kts	72
Vs Landing Kts	59

WEIGHT & BALANCE

Max Takeoff Weight Lbs	3600
Useful Load Lbs	1050
Usable Fuel Gal	102

SAFETY NOTES

- Exhaust: Inconel tends to corrode from the inside without flaking. Remove the muffler carbon to inspect it. Pinholes in the welds fail the internal inspection.
- TCM SB10-1 exhaust inspections: 25 hours after new parts or prior maintenance history, then a 50-hour visual check of joints and attachment points.
- The comparison author calls valve guide wear the engine's Achilles' heel. Ask for engine history and borescope or compression records.

AI-aggregated guide for the Cessna 400 Corvalis TT · sources: Comparing the Corvalis TTx, Corvalis TT (Columbia 400) and Cirrus SR22T G3 (#2631) · TCM SB10-1 (#2641) · Garmin G1000 Cockpit Reference Guide for the Cessna 350/400 (#2487) · generated 2026-10-17 · Reference only, not for flight. Check the original documents before relying on this guide.