

Diamond DA62 Model Guide

The Diamond DA62 is a twin-engine piston aircraft with a carbon composite airframe, built from 2015 and seating 4 to 7. It has two turbocharged 180 hp Austro Engine AE330 jet-fuel diesel engines, Garmin G1000 NXi avionics and a three-axis autopilot with yaw damper. It is certified as a CS-23 Normal Category aircraft.

KEY TAKEAWAYS

- Seats 4 to 7. The third-row 2-passenger option was \$33,700 USD (55 lb) on the 2023 list. Brochure useful load is 1,565 lbs.
- Brochure figures: 192 kts max speed at 17.1 gph combined, 11.8 gph at 60% power, and 9 gph at max endurance speed.
- 2023 sales-partner list price for the standard version was \$1,471,950 USD; TKS de-icing added \$105,450 USD.
- Check engine AD status first: EASA AD 2023-0163 (piston oil analysis) and the windmilling-restart limits in AD 2017-0103R1.

ENGINES, FUEL AND HANDLING

Two Austro Engine AE330 turbocharged common-rail diesels of 180 hp each burn jet fuel. The long-range tank holds 86 US gal. Each engine has a single power lever, with power shown in % and a 3-blade MT constant-speed propeller. Feathering is a single switch. The brochure quotes 17.1 gph combined at 192 ktas.

AVIONICS AND OPTIONS TO PRICE IN

Standard is Garmin G1000 NXi with the GFC 700 autopilot incl. yaw damper, Garmin ESP and an ADS-B Out transponder. Garmin publishes guides for software 1373 and for NXi software 2056.10, so confirm which suite the airframe has. 2023 option prices: air conditioning \$45,050 USD (88 lb), oxygen \$29,950 USD, GWX 75 weather radar \$48,600 USD.

WHAT TO VERIFY BEFORE BUYING

Confirm that EASA AD 2023-0163 oil analyses are complete for the E4P engines, and ask for the windmilling-restart history. Check whether the airframe has the optional TKS de-icing or third-row seating. Factory maintenance familiarization is a 5-day course at \$1,500 USD per attendee, covering the DA62 and Austro engines.

SPECIFICATIONS

Engine Power Hp	180
Fuel Capacity Gal	86
Useful Load Lbs	1565

PERFORMANCE

Max Speed Kts	192
Max Altitude Ft	20000
Fuel Burn High Speed Cruise Gph	17.1
Fuel Burn Economy Gph	11.8
Fuel Burn Max Endurance Gph	9

WEIGHT & BALANCE

Useful Load Lbs	1565
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SAFETY NOTES

- AD 2023-0163: some pistons had dimensional deviations. Failure could mean oil loss and engine power loss. It requires repetitive oil analyses on E4 and E4P engines.
- AD 2017-0103R1: windmilling restarts stress the timing chain. They are allowed only as an emergency procedure. Chain actions continue under AD 2019-0041.
- The standard safety concept includes safety seats rated up to 26g and a 'FAILSAFE' airframe and wing design.