

# DA62

The ultimate flying machine –  
speed, style and space for 7



# AIRFRAME

The DA62 spoils pilots and passengers alike, with an extra-large cabin, generous and adjustable front seats, a 60/40 split folding three seat second row bench and optional folding two seat third row bench.

Comfortable access for all on board is assured through the two forward gull wing doors and the huge rear door that provides access to all rear seats. Baggage is stowed in the generous nose compartments and cabin, offering maximum loading flexibility

# PROPULSION

The turbocharged Austro AE330 jet fuel piston engines perfectly match the DA62's aerodynamically efficient airframe, burning only 17.1 gph, combined, at a high speed cruise of 192 ktas, and little as 9 gph at max endurance speed.

Control is jet-engine simple, with each engine / propeller combination controlled by a single power lever and power settings displayed in % power. Simplified power control means that you can focus on more important things – and that is not just more convenient, but safer too.

The 3 blade MT hydraulic constant speed propellers feature advanced blade geometry for efficient performance,

for any mission. Luxury features abound throughout, including premium interiors in several styles, colors and materials, all LED interior lighting, optional electric air conditioning and more.

The sleek all carbon composite airframe incorporates advanced aerodynamics with the latest in passive safety technology for high performance, great efficiency and superior occupant protection. Further enhancing the dynamic and elegant lines, are the unlimited choices of available colors and paint designs.

smoothness and low noise. They are automatically controlled by each engine's digital engine control through conventional hydraulic governors. Feathering is as simple as flipping a single switch. The DA62's AE330 180 hp jet fuel piston engines are a refinement of the well proven AE300 170 hp engine, in service in Diamond's DA40 NG and DA42 since 2009. With over 1500+ engines in service and a total fleet time of well over 1,050,000+ hrs, the AE300 has proven itself to be smooth, reliable and efficient.

Austro Engines and MT Propellers are supported by North American based factory support and parts centres and a network of Authorized Service Centres.



# AVIONICS

The fully integrated Garmin G1000NXi flight deck with standard 3-axis GFC700 Automated Flight Control System and yaw damper and Electronic Stability and Protection, is complemented by a long list of avionics options to perfectly suit your mission. Integrated weather radar, normally available

only on much more expensive aircraft, is available as are Traffic Alerting, Synthetic Vision, and much more. The Line Replaceable Units (LRU's) are located in a dedicated and externally accessible forward avionics bay, for ease of maintenance and trouble shooting.

# STANDARD FEATURES & OPTIONS

## Airframe & Powerplant

- 2x Austro Engine AE 330 turbocharged common-rail injected 2.0 liter diesel engine with 180 HP and EECU single lever control system
- 2x MT propeller MTV-6-R-C-F/CF 194-80 3-blade constant speed propeller
- Composite cabin and safety seats (up to 26g)
- "FAILSAFE" airframe and wing design
- Multipath lightning protection system
- 3-point safety belts automatic (all seats)
- Garmin ESP (electronic stability protection)
- Adjustable backrest for pilot/co-pilot (with adjustable lumbar support)
- USB power outlets - pilot, copilot, passengers 2nd row
- Instrument lighting
- Overhead ambient cabin light and reading lights and map light
- Electrically adjustable rudder pedals for pilot/copilot
- Pilot and co-pilot middle armrest
- Dual headset plugs (6-pin headset connector + standard jack connector)
- Sunvisors for pilot and copilot
- Hydraulic retractable landing gear
- Heated pitot tube and static port
- Multi layer paint (white)
- Variety of exterior striping
- Entry steps and entry grips in aircraft color
- Registration markings
- Electrically operated flap system
- Landing and taxi lights (HID-Xenon)
- Integrated position and strobe lights with LED technology
- 86 US gal (326 lt) long range fuel tank
- Baggage compartment
- Nose baggage compartment accessible from both sides
- Pitot cover
- Tow bar, tool kit, control gust lock
- First aid kit, fire extinguisher, emergency axe, egress hammer

## Additional Options

- Diamond Airframe and Engine Program by Piston Power
- Air conditioning/RACC II system (powered by an additional alternator)
- TKS deicing system
- Oxygen system
- Built-in tablet mount provisions (A-columns)
- Removable right hand control stick
- Professional sunshades for PAX row 2 and PAX row 3
- Seating configuration 3rd row
- Diamond metallic paint (different colors available)
- Diamond customized paint (final price depending on customer requirements)
- Canopy and Nose Cover (grey)
- Engine Cover (1 pair, grey)

## Fuel & Capacity

Approved Fuels: JET A-1, JET A, JP-8, others per AFM

Fuel Capacity: 89 USG, Unusable: 2.6 USG

## Avionics

Integrated Garmin G1000 NXi glass panel cockpit including:

- 2x Garmin GDU 105x 10-inch flight display (primary FD and multi-function FD)
- Garmin GEA 71B airframe/engine interface unit
- 2x Garmin GIA 64 W COM/NAV/SBAS-GPS/GS/LOC
- Garmin GMA 1360 digital audio system
- Garmin GRS 79 attitude heading reference system
- Garmin GDC 72 digital air data computer
- Garmin GMU 44 magnetometer
- Garmin GFC 700 automatic flight control system including yaw damper
- Garmin GTX 335 R remote ADS-B transponder
- Garmin FliteCharts Approach plates (subscription required)
- ELT 406 MHz
- 2nd Digital standby attitude module (MD-302 SAM)

## Avionics – Optional

- Honeywell KN 63 remote DME
- Becker 3500 remote ADF
- WX500 Stormscope
- Flitestream 510
- Avidyne TAS 605 traffic advisory system
- Garmin GWX 70 weather radar
- Garmin GSR 56 Iridium satellite datalink (subscription required)
- Garmin GCU 476 Keypad
- Garmin synthetic vision technology
- Garmin GTX 345R ADS-B in/out transponder
- Garmin GDL 69A satellite data link receiver (subscription required, regional restrictions)
- Jeppesen ChartView Approach Plates and Jeppesen PilotPak (IFR bundle, various region available.) (1-year free subscription)



Garmin GCU 476 Keypad

## Weights

Max Take-off Weight: 5,071 lbs

Useful Load<sup>1</sup>: 1,609 lbs

Max Zero Fuel Weight: 4,850 lbs

Max Fuel Weight<sup>1, 2</sup>: 605 lbs

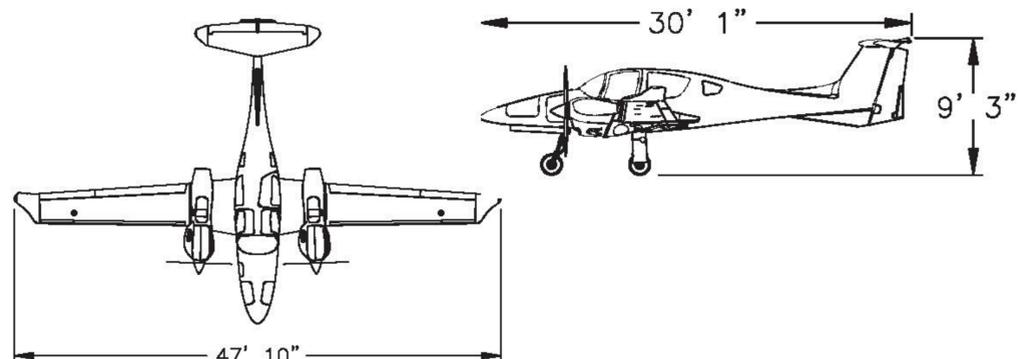
Max Landing Weight: 5,071 lbs

Full Fuel Payload<sup>1, 2</sup>: 1,004 lbs

Standard Empty Weight<sup>1</sup>: 3,461 lbs

<sup>1, 2</sup> Weights and Loads shown are for standard configuration. Selection of optional features may affect these weights. S/N specific Production variances can occur.

<sup>2</sup> Fuel density assumed at 7.01 lbs / USG



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# PERFORMANCE

## Speeds

V <sub>ne</sub>	205 KIAS
V <sub>mc</sub>	70 KIAS (Flaps T/O)
V <sub>r</sub>	78 KIAS (Flaps T/O)

### Landing Gear Speed Limits

Extension V <sub>lo</sub> e	205 KIAS
Retraction V <sub>lo</sub> r	162 KIAS

### Flap Speed Limits

V <sub>f1</sub> (T/O)	136 KIAS
V <sub>f2</sub> (LDG)	119 KIAS

Max Demonstrated Cross Wind 25 kts

## Cruise Performance

High Speed Cruise <sup>1</sup> :	192 ktas @ 87% Power / 17.1 gph (16,000 ft, ISA)
Economy Cruise <sup>1</sup> :	159 ktas @ 60% Power / 11.8 gph (12,000 ft, ISA)
Max Endurance <sup>2</sup> :	9.5 hrs @ 45% Power / 9.0 gph (16,000 ft, ISA)
Max Range <sup>2</sup> :	1345nm @ 50% Power / 9.7gph (16,000 ft, ISA)

### Notes:

1 at 4,400 lbs

2 No reserve

## Runway Performance

### T/O Dist @ 4,400lbs (grnd roll / over 50ft obst):

1263ft / 2093ft

### T/O Dist @ MTOW (grnd roll / over 50ft obst):

1575ft / 2733ft

### LDG Dist @ 4,400lbs (grnd roll / over 50ft obst):

1257ft / 2316ft

### LDG Dist @ MTOW (grnd roll / over 50ft obst):

1447ft / 2556ft

## Ceiling

Certified Ceiling, Normal Ops: 20,000 ft

Certified Ceiling, Single Engine: 13,000 ft

## Climb Rate

1,200 fpm @ 92% power<sup>1</sup>: 6000' Density Altitude, ISA

1,320 fpm @ 100% power<sup>1</sup>: Sea Level, ISA

Note: 1 @ 4,400lbs

CONTACT US TODAY



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