

DA40 TUNDRA

Four seat comfort and safety with Jet-A efficiency and back country versatility



Contact us today at 1-888-359-3220
Or find us online at www.diamondaircraft.com

AIRFRAME

The rugged all composite airframe offers excellent resistance to bumps and scrapes and stands up well in any environment. Reinforced landing gear attachments, standard Beringer wheels wearing meaty 22 inch 8.50 x 6 mains, and a special long stroke hydraulic damper, controlling the extra heavy duty extended nose gear strut, soak up rough terrain with ease. High crosswind capability, centre stick and precise

handling make the DA40 a joy to fly into challenging terrain. The DA40 TUNDRA comes standard with a stylish and hard wearing leather interior, with available comfort features including, adjustable seatbacks, lumbar support, electrically adjustable rudder pedals, even electric air conditioning, and more.

PROPULSION

The DA40 TUNDRA is powered by the very special Austro AE300 jet-fuel piston engine. It starts easily under all conditions, hot and cold alike, sips less than four gph of jet-fuel at loiter speeds, and offers sprightly climbs thanks to turbocharging that maintains full power to 14,000'. The single power lever and redundant digital engine control offer ultimate reliability and ease of operation. It is as simple as it gets and means you can focus on the world outside.

The 3 blade MT hydraulic constant speed propeller features advanced blade geometry for efficient

performance, smoothness and low noise. It is automatically controlled by the engine's digital engine control through a conventional hydraulic governor. The DA40 TUNDRA's AE300 170 hp jet fuel piston engines have been in service in Diamond DA40s and DA42s since 2009. With over 1,200 engines in service and a total fleet time of well over 600,000 hrs as of November 2015, 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 centers and a network of Authorized Service Centers.



AVIONICS

The fully integrated Garmin G1000 flight deck, with standard GFC700 Autopilot, offers superior situational awareness, convenience and safety, regardless how far you venture

off the beaten track. Optional equipment provides Traffic Advisory, Synthetic Vision Technology, Satellite WX and Entertainment, and more.

STANDARD FEATURES & OPTIONS

Airframe & Powerplant

- 170hp Austro Engine AE300 Jet Fuel Piston Engine
- FADEC single lever power control
- MT 3-blade constant speed propeller
- All composite airframe structure
- Multi-path lightning protection system
- Fixed spring steel main landing gear struts
- Beringer wheels & brakes
- Large 22 inch 8.5 x 6 main wheels
- Reinforced nose gear with long stroke hydraulic damper
- 26g cabin and seats, Leather interior
- 3-point automatic reel seat belts (all seats)
- Adjustable rudder pedals
- 28V power outlet
- LED overhead cabin lights
- LED landing and taxi lights
- LED position and strobe lights
- Rear baggage extension

Airframe Options

- Electric Air Conditioning, 90 lbs
- Adjustable pilot & co-pilot seats, 18 lbs
- Electrically adjustable rudder pedals, 4lbs
- Premium leather interior, 5 lbs
- AmSafe Airbag Seatbelts, 5 lbs
- Double Bubble canopy, 11 lbs

Fuel & Capacity

Fuel Capacity: 41 USG, Unusable: 2 USG

Weights

Max Take-off Weight: 2,888 lbs

Max Zero Fuel Weight: 2,789 lbs

Max Landing Weight: 2,822 lbs

Standard Empty Weight¹: 1,984 lbs

Useful Load¹: 904 lbs

Max Fuel Weight^{1, 2}: 273 lbs

Full Fuel Payload^{1, 2}: 631 lbs

¹ Weights and Loads shown are for standard configuration. Selection of optional features may affect these weights. S/N specific Production variances can occur. ¹, ² Fuel density assumed at 7.01 lbs / USG

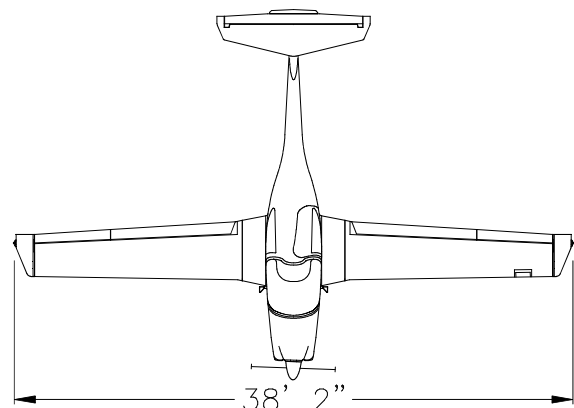
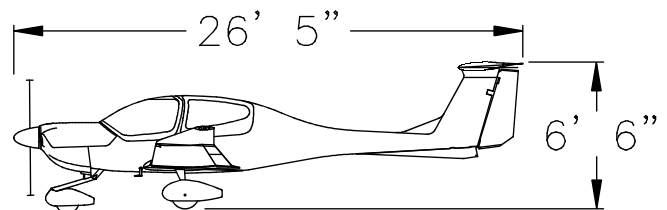
Avionics

GARMIN G1000 glass cockpit with:

- 10-inch primary flight and multifunction displays
 - GEA 71 airframe/engine interface unit
 - Dual GIA 63WAAS COM/NAV/GPS/GS/LOC
 - GMA 1347 digital audio system
 - GTX 335R Mode S Transponder (ADS-B Out)
 - GRS 79 AHRS
 - GDC 72 digital air data computer
 - GMU44 magnetometer
 - ELT 406 MHz
- Standby Instruments (Compass, Attitude Indicator, Air Speed Indicator (kts), Altitude Indicator (ft))

Avionics Options

- WX 500 Stormscope, 7 lbs
- Garmin Synthetic Vision Technology (SVT), 0 lbs
- Garmin GDL69A SAT WX (sub req), 7 lbs
- Becker 3500 ADF, remote mounted, 9 lbs
- Honeywell KN63 DME, remote mounted, 7lbs
- Garmin GFC 700 Automatic Flight Control System, 24 lbs
- Avidyne TAS 600 traffic advisory system, 15 lbs
- Jeppesen ChartView approach plates (sub req), 0 lbs



PERFORMANCE

Speeds

| | |
|-----------------------------|----------|
| V _{ne} | 172 KIAS |
| V _r | 67 KIAS |
| V _{f1} (T/O) | 110 KIAS |
| V _{f2} (LDG) | 98 KIAS |
| Max Demonstrated Cross Wind | 25 kts |

Cruise Performance

High Speed Cruise: 143 ktas @ 92 % Power / 8.4 gph (16,000 ft, ISA)
Economy Cruise: 119 ktas @ 60 % Power / 5.1 gph (16,000 ft, ISA)
Max Endurance¹: 9.75 hrs @ 45% Power / 4.0 gph (14,000 ft, ISA)
Max Range¹: 975 nm @ 45% Power / 4.0 gph (14,000 ft, ISA)

¹ No reserve.



Runway Performance

T/O Dist @ 2,425 lbs (grnd roll / over 50 ft obst)

1,142 ft / 1,732 ft

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

1,624 ft / 2,421 ft

LDG Dist @ 2,425 lbs (grnd roll / over 50 ft obst)

886 ft / 2,008 ft

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

1,043 ft / 2,133 ft

Ceiling

Certified Ceiling, Normal Ops 16,400 ft

Climb Performance

610 fpm @ 92% power¹: 6,000' Density Altitude, ISA

743 fpm @ 100% power¹: Sea Level, ISA

Note: ¹ @ 2,645 lbs

CONTACT US TODAY



Diamond Aircraft Industries Inc.

1560 Crumlin Sideroad, London, ON, Canada N5V 1S2

1-888-359-3220 • sales@diamondair.com • www.diamondaircraft.com