

# DA42 L360



 **Diamond**  
AIRCRAFT



## Superbly Capable

Since its introduction in 2005, the Diamond DA42 has become the best selling twin piston in recent history – by a very large margin.

The success of the DA42 is a reflection of its capabilities.

The all carbon composite, fail-safe damage-tolerant airframe, leading edge Garmin G1000 all glass flightdeck, and a choice of conventional AvGas or advanced technology turbo-diesel engines make the Diamond DA42 the undisputed technology leader. Not only is the DA42 the only modern light twin on the market today, its combination of performance, utility and wide range of options make it equally at home on the flight line or as an extremely capable personal aircraft.

# DA42 L360

Although a defining feature of the original DA42 was the turbo-diesel FADEC controlled powerplant, some customers in specific markets where AvGas is available and relatively inexpensive, had expressed interest in pairing the DA42's great airframe with traditional powerplants. Accordingly, just as Diamond offers a choice of turbo-diesel or conventional engines in its popular DA40 single, Diamond now proudly introduces the DA42 L360, alongside the Austro Engine powered DA42 NG. Diamond's ultra-modern Lycoming powered twin, redefines the market for conventional twins. It offers a proven airframe, leading avionics, familiar powerplants and a ramp presence that few planes can equal. With its twin fuel-injected 180hp Lycoming engines, the DA42 L360 is a superbly capable training aircraft or cross country traveler.

The spacious interior boasts a larger panoramic canopy for unmatched visibility. The industry leading Garmin G1000 offers the ultimate in situational awareness and cockpit similarity to most popular new singles, while the ergonomic yet compact six lever powerplant controls are perfect for conventional flight training operations. The well appointed interior is not only comfortable and spacious, the two large nose compartments and flexible 4 way baggage area behind the rear seats give you maximum loading flexibility. When weather is a challenge, the DA42's TKS ice protection and built in Oxygen systems\* offer additional options to safely complete your mission.

\*DA42 TDI is certified for Flight Into Known Icing (FIKI).  
DA42 L360 FIKI certification pending.

## Go Anywhere – Go In Weather

The DA42's capabilities – thanks to twin engines, advanced avionics, optional TKS ice protection and optional built-in oxygen systems – enable you to tread where singles dare not go. Whether tackling hard IMC, crossing rugged terrain or open water, especially at night, the DA42 offers you capabilities and peace of mind that singles simply don't.

As an advanced multi-engine trainer, the DA42 offers you great dispatch reliability, easy maintenance and low operating costs, not to mention the ability to deal with real weather. Built of rugged carbon composites, the DA42 can take the rigours of the flight line without showing it.



**Advanced avionics.** The capable Garmin G1000 cockpit with standard KAP140 autopilot gives you a solid IFR platform. Optional satellite weather, active traffic and standard terrain puts key information right in front of you and range rings show you your destination options – complete with detailed airport information – should your primary destination shut down. A dual-alternator, dual-battery system provides you with the confidence that your systems will be there when you need them.

**Ice protection.** A proven TKS ice protection system helps the DA42 cope with flight into icing conditions and means you can fly on days when others are grounded. Wings, tail, propellers and windshield are protected with TKS fluid, giving you more options when icing is forecast or encountered.

## Go Safely

Diamond's obsession with safety is embodied in the design of the DA42. It offers the ultimate in redundancy – damage tolerant, fail-safe carbon airframe; completely redundant electrical system and power sources; redundant flight instrumentation; and of course, twin engines. The high aspect high lift wing on the Diamond also adds to your safety margins with superior climb performance when you need it most.

Insurance premiums on the DA42 are very reasonable thanks to its docile engine-out characteristics, combined with solid single-engine performance.





### Be the Envy

Get used to looks of envy and admiration. The presence of a twin trumps a single every time and with the DA42's sleek, modern lines you're sure to attract a crowd wherever you go. Inside, the DA42's available Platinum Interior offers luxurious amenities including premium leather seating, adjustable seatbacks and lumbar support, exquisite aluminum, wood and carbon fibre trim details, electrically adjustable rudder pedals and much more. You don't need to leave your personal luxuries behind either – the DA42 can carry plenty of gear in its spacious interior baggage compartment – and still fit two sets of golf clubs in its generous nose baggage compartment.

### A Skill Builder Par Excellence

While you are enjoying your DA42, you are also working on prepping for the next level. Whether you are working towards the right seat of a regional jet or aspiring to flying your own D-JET, the DA42 is a great step up from any single. You'll be in good company – CAE, Embry Riddle Aeronautical University, and many other leading flight training organizations have made the DA42 a key part of their training fleets, because it offers students a training experience that helps with transition to more sophisticated aircraft. The DA42 L360's blend of performance and advanced system integration get you ready for the day when you expand your boundaries once more.



# DA42 L360

## Proven Fuel Injected Lycoming Power

The DA42 L360 is ideal for flight training organizations or owner /operators looking for an affordable conventionally powered light twin. The proven and robust fuel injected Lycoming power plant will provide years of trouble-free operations, with familiar operation and maintenance requirements. Lycoming specifically developed the counter-rotating LIO-360 for the DA42 to offer straight runway tracking and non-critical engine-out operation. With its aerodynamic airframe and Powerflow™ exhaust, the DA42 offers fuel efficiency that is the envy of other conventional twins. To maximize your future options and resale value, the unique DA42 L360 engine nacelles are designed to allow possible conversion to the AE 300 engine, if a turbo-diesel is in your future.

## Performance

With a 33% increase in take-off power over the previous generation DA42, the DA42 L360 is a “hot-rod of the first order”, according to Tom Horne of AOPA Pilot Magazine. Fast off the runway with great climb performance, comfortable real world cruise speeds in excess of 160 kts\*, and the ability to go safely direct, the DA42 L360 gets you to your destination fast.

\*[V max (TOP; S.L.; ISA): 178 kts]





### Reliability and Support

With more than 50,000 engines of the Lycoming IO-360 series in service, this powerplant has earned a reputation for unmatched robustness and ease of maintenance. Diamond's DA40 CS and DA40 XLS use the same engine and its service history has been simply outstanding without a single in-flight shutdown, due to technical defect, in more than one million flight hours. All North American Diamond Authorized Service Centers are already familiar with the airframe and engine, as are most independent maintenance shops in North America. Technical and parts support is established and proven with a comprehensive power plant warranty from Pennsylvania-based Lycoming.

*"Embry-Riddle selected the DA42 L360 because it represents the combination of a thoroughly modern airframe and the Garmin G1000 glass cockpit, with a tried and true powerplant that is common across our fleet. It also provides us the option to upgrade to more advanced powerplants in the future. We believe this aircraft represents the leading edge of technology, safety, and performance for our students and instructors."*

Frank Ayers, Chairman of the Embry-Riddle Aeronautical University Flight Department, in Daytona Beach, Florida



# DA42 L360 — Specifications



## Specifications:

Engine	2x Lycoming IO-360 fuel injected counter rotating engines equipped with PowerFlow tuned exhaust system
Horsepower	360 hp total
Propeller System	2x MT 3-blade composite hydraulic constant speed with unfeathering accumulator
Airworthiness category	Normal
Length	28 ft 1 in
Height	8 ft 2 in
Wing span	44 ft
Maximum takeoff weight	3,935 lbs
Useful load	1,180 lbs
Fuel capacity, total/usable	79 gal / 76.4 gal
Fuel	100 LL AvGas
Takeoff distance	1,590 ft
Takeoff distance, 50-foot obstacle	2,450 ft
Landing ground roll	1,210 ft
Landing distance, 50-foot obstacle	2,410 ft
Rate of climb, (MTOW, SL, ISA, Vy: 90 kts)	1,400 fpm
Maximum demonstrated operating altitude	18,000 ft
Maximum single-engine ceiling (ROC < 50 fpm)	6,400 ft
Maximum speed (Take off power, SL, ISA)	178 kts
Cruise speed at 75% power	162 ktas
Maximum landing gear extension speed	194 kias
Maximum Range (no reserve)	800+ nm

## Optional equipment:

- Garmin GDL 69A satellite data link – NEXRAD radar, satellite text and graphic weather data with infotainment (subscription required)
- Avidyne TAS 610 active Traffic Advisory System
- Stormscope WX 500
- Honeywell KN63 DME, remote mounted
- Becker 3500 ADF, remote mounted
- Platinum Edition Option Package includes:
  - Adjustable pilot and copilot seats with adjustable backrest and lumbar support
  - Electrically adjustable pilot and copilot rudder pedals
  - Premium Interior, leather seats and trim, premium carpet, carbon fiber canopy sill plates
  - Chrome-look Trim Package (canopy sills, hand grips, prop spinners, cowling air intakes)
  - Custom metallic striping with chrome accents
- Special upperline color (requires Platinum Edition Option Package)
- TKS Deicing System (Pending Flight Into Known Icing certification)
- Built-in oxygen system

## Standard equipment:

- Garmin G1000 glass panel cockpit
- Garmin GDU 1040, 10-inch Primary Flight Display (PFD)
- Garmin GDU 1040, 10-inch Multi-Function Display (MFD)
- Dual Garmin GIA 63W VHF comm, VHF nav with ILS localizer and glideslope, IFR certified
- Garmin GEA 71 Airframe / Engine Interface Unit
- Garmin GTX 33 Mode S transponder with Traffic Information System (TIS) traffic
- Garmin GMA 1347 digital audio system
- Garmin GDC 74 digital air data computer
- Garmin GRS 77 solid-state Attitude Heading Reference System (AHRS)
- Garmin GMU 44 magnetometer
- Honeywell KAP 140 dual-axis autopilot with altitude hold and preselect
- Garmin SafeTaxi and Garmin FliteCharts (subscription required)
- ME 406 MHz emergency locator transmitter (ELT)
- Standby instruments (compass, horizon, air speed indicator, altimeter)
- Standard interior (fabric seats with leather trim)
- Composite cabin and safety seats (up to 26g)
- Overhead cabin lights
- FAILSAFE™ Airframe Design
- 4-way Baggage Compartment System
- 3 point safety belts automatic (all seats)
- Integral instrument lighting
- Hydraulic retractable landing gear
- Alternate static port
- Electrically operated flap system
- Fire extinguisher
- Heated pitot / static tube
- Position and anti-collision lights
- High intensity discharge landing and taxi lights
- Standard exterior striping with color choice
- Ground Support Equipment Package

Aircraft shown in all marketing materials, websites or brochures, may contain non-standard features, optional equipment or equipment not yet certified by a given authority, and which, if available, may be subject to additional cost. Actual weight and balance information will vary depending on options installed on aircraft. Only aircraft specific weight and balance data alone should be consulted for flight planning. Aircraft specifications, weights, equipment lists, color choices, model references and other representations made verbally or appearing on websites, in brochures or other marketing materials are for general information purposes and do not constitute an inducement to enter into, or form any part of, an agreement for the purchase and sale of aircraft. Only statements and representations set out in actual contracts entered into with Diamond Aircraft or its authorized distributors may be relied upon. Prices and specifications are subject to change without notice at any time prior to delivery.

## Diamond – The Perfect Match for Every Mission.

Diamond's dedication to building the ultimate fleet has shaped its product line of modern fuel efficient aircraft, each with a specific application in mind. From flying for business or pleasure, training ab-initio through IFR, commercial or multi-engine, all Diamond Aircraft models are now available with Garmin's industry leading glass cockpits, giving you cockpit commonality across our entire fleet. Two-seat single, four-seat single, twin and even jet, as well as model specific Diamond Simulation Flight Training Devices to match. No other company is more dedicated to delivering the business tools for your flight training operation's success or your enjoyment of aviation.

Diamond Aircraft is an international company with over 500,000 square feet of production facilities worldwide. Our people are passionate about what they do and their passion shines in every aircraft we build.

Contact us today at 1-888-465-7129

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