

KNOW NO BOUNDS.

DA50



 **Diamond**[®]
AIRCRAFT



DA50

If you're looking for the ultimate single, look no further. Diamond introduces a new class of piston-powered aircraft – the DA50 SuperStar. There's nothing like it on the market today – a spacious and luxurious composite five-seat aircraft designed for the demanding piston pilot who needs to go farther, faster without sacrificing carrying capacity. With a 350 horsepower, turbo-charged FADEC engine, sleek aerodynamic lines and the most advanced and luxurious cockpits ever built for general aviation, the Diamond SuperStar represents the pinnacle in piston-powered singles.

A new class of single.

Setting a New Standard in General Aviation

The DA50 is a great complement to the rest of the Diamond fleet. Our engineers designed it to fulfill a need: a simple-to-fly, high-performance plane that can comfortably carry four adults or a family of five. The FADEC engine makes operations simple, and the turbo provides plenty of power for high-speed cruising at altitudes of up to 25,000 feet. The roomy, luxurious interior – at 52 inches – is the widest in its class, and the three-seat rear bench makes it possible, for the first time, to travel with five people in a modern composite piston single. To top it off, piston pilots now have the ability to purchase a three-screen jet-like cockpit in a piston aircraft. The DA50 is setting a new standard in the high-performance single-engine market.

Form Meets Function

With its three-screen Garmin G1000 suite of avionics – dual PFDs plus a separate MFD – the DA50 cockpit impresses even turbine pilots. Additional equipment features include the fully digital GFC 700 autopilot, as well as the latest in active traffic, weather avoidance and digital chart systems. The FADEC-controlled single-lever throttle reduces pilot workload – and a smartly designed cockpit with overhead breakers and switches reduces clutter and adds to visual appeal.

“I travel a great deal for business, and going commercial, especially to many non-hub airports, can be frustrating and time consuming. The DA50 will offer me the ability to travel when I want, with great flexibility thanks to a 25,000-foot service ceiling and de-ice. When the weekend comes, I can load my family, including our dog and our gear and get away from it all. I’m excited to take possession of my new DA50. It offers great options for both business and pleasure travel.”

Sarah Richardson, DA50 Position Holder,
Toronto, Canada





Luxury Abounds

You'll marvel at the space: a voluminous 52-inch-wide cabin – the widest in the industry – wrapped in massive panoramic windows, gives you and your passengers immense comfort and a beautiful perspective on the world below. Seating is plush with adjustable leather seats in a two plus three configuration, while the optional automotive-style air conditioning will make flights on the hottest of days a pleasure. The right-seat flight controls are easily removable so you can create a wide-open seat for your non-flying passenger to kick back and relax.

Getting you, your passengers and all of your gear flying is a snap with the DA50. Featuring three massive passenger doors and a separate baggage door, access in and out of this aircraft could not be easier. Once strapped in, your rear-seat passengers can enjoy their own personal entertainment on the optional large LCD screen displays in the seat backs in front of them. Or listen to XM Radio, CDs or music from your MP3 player – this aircraft has been designed to take you and your friends to your destination in style and comfort. And you don't have to leave your luxuries behind: the DA50's baggage area is one of the largest in the industry, and can easily fit bulky items like pet carriers, snowboards or mountain bikes.

"The DA50 has been a big hit for us already. We have many customers who buy a DA40 XLS, and tell us right away that they want to get a position in a DA50. It's just a natural step-up – the DA40 will take them through their IFR, and let them experience cross-country travel, while the DA50 is their 'aspirational' plane and a great step towards more performance, space and luxury."

Andy James, A&M Aircraft Sales, Illinois

Safety

Diamond is proud of its industry-leading safety record, and our 26 years of experience building composite aircraft is evident in every detail of the DA50. From thoughtful safety features such as fail-safe and damage-tolerant airframe design, inflatable occupant restraints and a 26G safety cockpit, to forgiving handling and impressive performance, the DA50 represents what we know best – building safe, efficient aircraft that perform. As a high-altitude plane, the DA50 offers a built-in oxygen system, as well as TKS ice protection. The DA50 will also feature an optional ballistic parachute. Now you and your passengers will have the best of the best in terms of safety – a wide array of active and passive safety features offering the ultimate peace of mind.





Superstar

Superstar
DASA

OE-V50

DA50



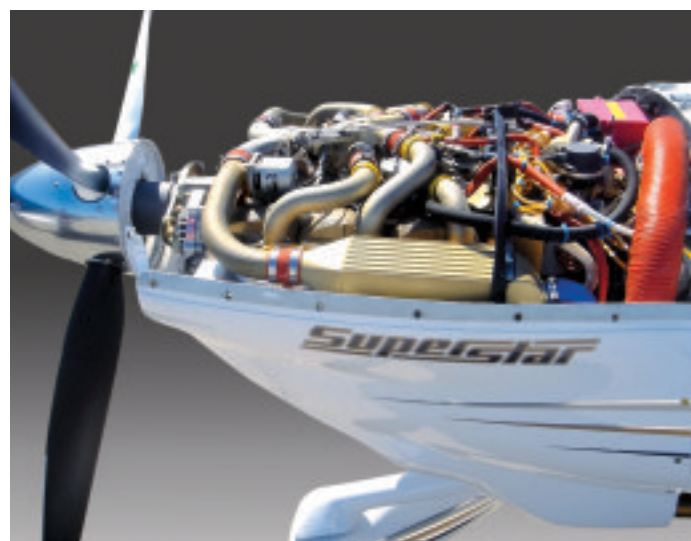
Preliminary specifications:

Engine	Teledyne Continental TSIOF-550J
Horsepower	350 hp
Propeller	3- or 4- blade constant- speed (TBD)
Length	28 ft 11 in
Height	7 ft 3 in
Wing span	38 ft 4 in
Wing area	148 sq ft
Empty weight	2,200 lbs
Maximum takeoff weight (MTOW)	3,560 lbs
Seats	2 + 3
Forward cabin width	52 in
Rear cabin width	51 in
Cruise speed	200+ ktas

Preliminary equipment:*

- Garmin G1000 three-screen glass panel system including:
 - Dual Garmin GDU 1040, 10-inch Primary Flight Display (PFD)
 - Garmin GDU 1044, 10-inch Multi-Function Display (MFD) with autopilot control unit
 - Garmin GFC 700 Automatic Flight Control System including 2-axis digital autopilot with flight director
 - Dual Garmin GIA 63W VHF comm, VHF nav with ILS localizer and glideslope, WAAS-certified GPS, IFR enroute and approach certified
 - Garmin GRS 77 solid-state Attitude and Heading Reference System (AHRS)
 - Garmin GDC 74 digital air data computer
 - Garmin GMA 1347 digital audio system
 - Garmin GTX 33 Mode S transponder with TIS traffic
 - Garmin SafeTaxi and Garmin FliteCharts (subscription required)
- Active Traffic Advisory System
- TAWS-B Terrain Awareness System
- Satellite data link for weather and support for XM Radio in-flight infotainment (subscription required)
- Garmin ChartView approach plates (subscription required)
- 406 MHz emergency locator transmitter (ELT)
- FADEC digital engine and propeller management system
- TKS Deicing System
- Optional BRS airframe parachute system
- Executive Class leather interior with 2 + 3 seating configuration
- Removable copilot control stick
- Electrically adjustable rudder pedals
- Built-in oxygen system
- Air conditioning system
- Rear seat entertainment system

* Includes standard and optional equipment; some equipment may not be available at initial certification; subject to change without notice.



Join the Diamond family.

Each member of our Diamond distribution network is a pilot committed to aviation. They're as excited about Diamond airplanes as we are, and they're eager to share their years of aviation experience with you. Locally owned and operated, Diamond distributors know your market and work with you as you research your first or next plane to buy. They don't look at aircraft ownership as one-size-fits-all. They take the time to listen to your goals and concerns, and determine the different missions you'll fly. Because they're able to offer a full line of planes, they can help you to select the best aircraft, or progression of aircraft, that's right for you, and help you trade up when the time comes. Most Diamond distributors also offer their own service facilities, and you can also find maintenance assistance from our network of independent Diamond Authorized Service Centers.

Position reservations for the DA50 are currently being accepted with refundable deposits.

Contact us today at 1-888-466-8239

Or find your local Diamond distributor online at www.diamondaircraft.com