

DA40 SERIES AIRBORNE INNOVATION



DA40 VARIANTS



DA40: FOUR SEAT VERSATILITY

Whether you are a new aviator looking for the perfect first airplane, an experienced IFR pilot with discerning tastes or a forward thinking flight school, the DA40 is the smart choice. The durable composite airframe, ultra low fuel burn and superb handling make the DA40 a great airplane for travel, leaseback, and training alike.



DA40 AT A GLANCE:

- 4 seats / big baggage space ▪ Superb visibility
- Durable Composite Airframe ▪ Superior Stability and Control
- Garmin G1000 NXi ▪ Super low fuel burn Jetfuel turbocharged
- AE300 Engine or Lycoming IO360M1A

DA40 NG KEYFACTS:



Consumption at 60%
19.3 lt/h or 5.1 gal/h



Max. Speed
285 km/h or 154 kts



Max. Altitude
5,000m or 16,400 ft



Useful Load
407 kg or 897 lbs



“Taking delivery of a brand new DA40 NG was a dream come true. I have been the happy owner of a DA42 and had long wanted to add a sister single engine plane alongside the twin - for my owner-run rental business. I took the plunge and ordered the DA40 NG. She is beautifully designed, and has a character that shows through as you warm her up, playfully waiting to launch herself into the world. This plane soars rather than just takes off. In her short time in the UK, she has been all over Europe, including down as far as Portugal, and has won many fans.”

Sue Bell, DA40 NG and DA42 owner, UK



DA40 NG



A NEW GENERATION

The DA40 NG is an all round practical and versatile multiuse four seat airplane for the 21st century. Combining the best qualities of its venerable predecessors, the DA40 NG does it all, with a modern twist. Personal flying, instruction, cross country transportation, the DA40 NG offers a unique blend of practicality, performance, value and operating economy.



PROPULSION

The turbocharged 168 HP Austro AE300 jet fuel piston engine powers the DA40 NG, with technology not available in any other aircraft in class. It starts easily under all conditions, hot and cold alike, uses less than 8.5 gph at maximum continuous power and only 5.5 gph in a typical flight training environment, while delivering excellent cruise performance and sprightly climbs, thanks to turbocharging that maintains full power to 14,000'. It is turbine smooth, quiet and the most fuel efficient way to fly. The single power lever and redundant digital engine control offer ultimate reliability and ease of operation. It is as simple as it gets and lets you focus on flying.



The DA40 NG is the ultimate development of this popular single, incorporating the experience gained in several million hours of operation and years of service under the harshest of conditions. Its defining feature, the turbocharged AE300 jetfuel piston engine, elevates the DA40 to a new level. While the industry searches for solutions to replace leaded AVGAS 100LL, Diamond's DA40 NG sidesteps the issue by use of the most widely used aviation fuel, Jetfuel. Not only is Jetfuel leadfree, it is also lower cost, available globally, and less flammable than gasoline. Best of all, the DA40 NG, with its Austro AE300 turbocharged engine and aerodynamically efficient design, uses far less fuel than any comparable airplane.



Private owners will delight in the performance, handling, high quality finish, luxurious interior, thoughtful details and comfort features that make the DA40 such a pleasure to fly.

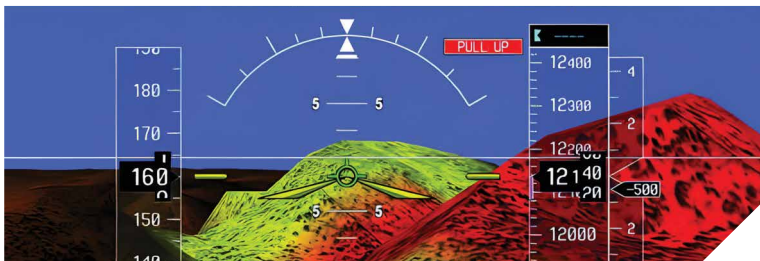
Commercial operators and leaseback owners will appreciate the ramp appeal, the reliability and low overall lifecycle cost.



GARMIN G1000 NXI AND GFC700 AUTOPILOT

Once you fly the Garmin G1000 NXi cockpit and its optionally integrated Garmin GFC700 digital autopilot on the DA40 NG, you will not want to fly anything else. The Garmin G1000 NXi glass cockpit is the definite industry standard and equivalent to the avionics used in modern Airliner cockpits, a tremendous benefit for Flight Training Schools as it eases the transition of pilots from trainer aircraft cockpits to the modern airline environment.

The Garmin GFC700 digital autopilot is significantly more precise than analog systems - a pilot's dream. More integration, more functionality, more precision, better reliability – it all adds up to reduced pilot workload and better safety.



UNMATCHED SAFETY RECORD

The DA40's industry-leading safety record is the result of Diamond's commitment to protecting occupants with a vast array of both active and passive safety features. Active safety features include stable handling at low speeds, short take-off and landing distances, superior visibility and state-of-the-art avionics. Passive safety features such as aluminum fuel cells protected by the DA40's dual carbon fiber spars, help prevent post impact fires, a 26G rated safety cell cockpit and a host of other built in features help keep you safe should the unexpected happen. As a result, the DA40 line tops the general aviation list with both the lowest overall and fatal rates (Source: Aviation Consumer January 2012).



When it comes to safety, positive results are what really matter most. Diamond has earned a safety record, backed by real world data, that is second to none.

DIAMOND FLIGHT TRAINING



LESS FUEL - MORE FLIGHT HOURS

Diamond aircraft burn up to 50% less fuel due to aerodynamic efficiency and fuel-saving jet fuel engines. You can benefit from additional cost savings through lower fuel prices for jet fuel.

NO. 1 IN SAFETY IN GENERAL AVIATION

Safety is critical to any business. Diamond has earned a safety record, backed by real world data, that is second to none. To learn more about our safety obsession visit our website at: www.diamondaircraft.com/about-diamond/why-diamond/safety

WE CARE ABOUT THE ENVIRONMENT

Diamond and Austro Engine invested a lot of time and money to bring new engines into aviation, which are environmentally acceptable, fuel-saving and exceptionally silent.

PROPRIETARY JET FUEL ENGINE

No manual mixture control, no magneto ignition, no manual priming, no prop control lever, no hard starting – hot or cold, no manual runup tests, no shock cooling, no cowl flaps, no power calculations based on rpm and manifold pressure. More efficiency in every regard.

MODERN AVIONICS

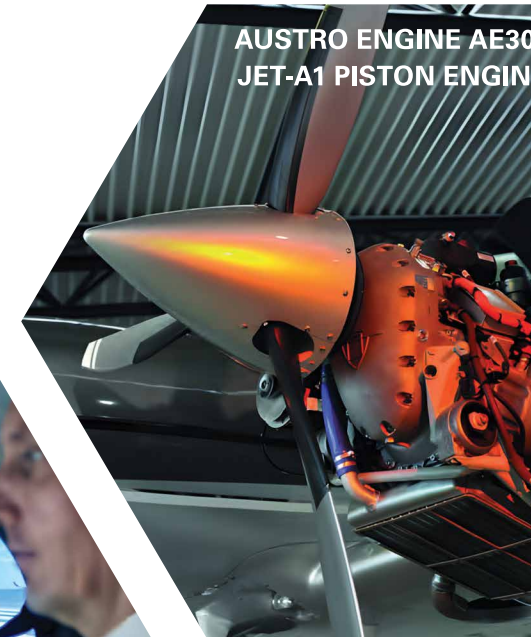
Back in 2001, Diamond Aircraft was the first to commit to GARMIN's - then top secret - fully integrated G1000 glass cockpit. The today's G1000 NXi, similar to those used in large airliners, offers unparalleled situational awareness and flight monitoring.

MODERN AIRFRAME

Made out of robust and strong glass and carbon fiber composite material, our safety cell meets high standards that are unique in our industry. Our rugged airframes have an unlimited lifetime and guarantee a high resale price.

YOUR PERFECT MARKETING TOOL: 21ST CENTURY APPEAL

With Diamond Aircraft you'll be part of the future. Planes certified according to 21st century aviation standards and not according to the "old days".



SOLE SOURCE PROVIDER

Diamond got you covered: From the right aircraft and flight simulators to match any of your missions to the proprietary jet fuel engine it is fitted with, the glass cockpit to pilot training and EASA Part-147 certified maintenance training in their own ATO (Approved Training Organisation).

PILOT + MAINTENANCE TRAINING



MEP: DA42-VI



SEP: DA20i KATANA
DA20 C1



SEP: DA40 NG
DA40 XLT



EXTERIOR STYLING



EXTERIOR STYLING: TWISTER



Color combination 1	Color combination 2	Color combination 3
Blue Light Onyx Silver	Carmin Red Light Onyx Silver	Springtime Green Light Onyx Silver

EXTERIOR STYLING: STRIPES



Color combination 1	Color combination 2	Color combination 3
Light Blue Black	Red Gold	Silver Anthracite



EXTERIOR STYLING: WAVE



Color combination 1	Color combination 2	Color combination 3
Cobalt Blue Diamond	Opal Red Diamond	Springtime Green Diamond

CUSTOMIZED EXTERIOR STYLING

Diamond Aircraft is able to provide the ideal custom-made solutions for exterior films.



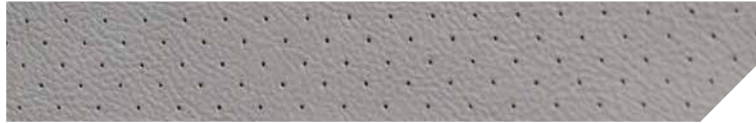
Choose any striping colour and design you wish or let it fit your company branding.

INTERIOR DESIGN



HIGH STANDARD / GREY-BROWN

INTERIOR MATERIAL: SEATS

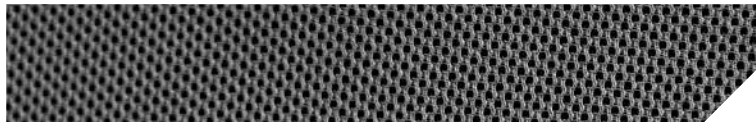


Genuine leather



Functional leather

INTERIOR MATERIAL: LINING



Ceiling



Carpet

INTERIOR PAINT



- Ultra light interior materials
- Hand made, high-quality upholstery
- Climate-controlled seats
- Flame resistant interior materials
- Optional: Comfort through stageless adjustable seats



Make the DA40 360° Tour:
<http://vrcloud.com/ar1887>

DA40 RANGE



DA40 NG RANGE

POWER: 45% (white circle on map)

Range: 985 nm (1,824 km)

Time: 9.8 hrs

Speed: 101 kts (187 km/h)

Consumption: 4 gal/h (15 l/h)

POWER: 92% (light blue circle on map)

Range: 724 nm (1,340 km)

Time: 4.7 hrs

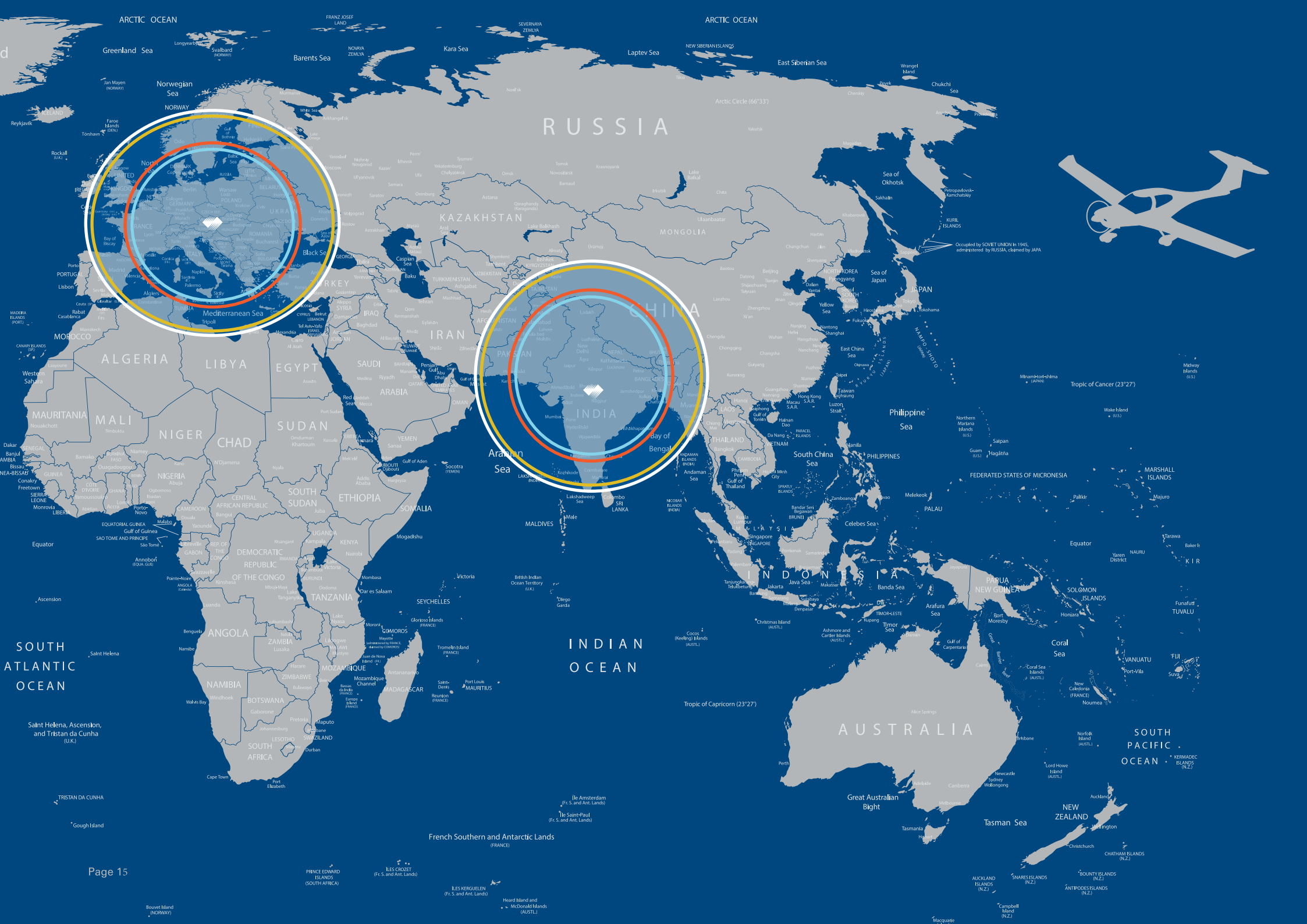
Speed: 154 kts (285 km/h)

Consumption: 8.3 gal/h (31.5 l/h)



The above data are approximately specifications and may change without notice.
Range calculation does not consider additional fuel consumption for taxi, take-off, climb, descend or reserve.





French Southern and Antarctic Lands (FRANCE)

- ILES KERGUELEN (Fr. S. and Ant. Lands)
- ILES Crozet (Fr. S. and Ant. Lands)
- ILES TERRE HAUTE (Fr. S. and Ant. Lands)
- ILES PHOENIX (Fr. S. and Ant. Lands)
- ILES REUNION (FRANCE)
- Heard Island and McDonald Islands (AUSTRALIA)
- Prince Edward Islands (SOUTH AFRICA)
- Bouvet Island (NORWAY)

DA40 NG FACTS AND SPECIFICATIONS



POWER PLANT

Engine	Austro Engine AE 300 turbocharged common-rail injected 2.0 liter diesel engine with 168 HP and EECU single lever control system	
Propeller	MT propeller MTV-6-R/190-69 3-blade constant speed propeller	
Fuel grades	Jet A-1, Jet A, TS-1 (Russia, Ukraine), RT (Russia, Ukraine), No. 3 Jet Fuel (China), JP-8	

DIMENSIONS / MASS / LOADING

Length	8.06 m	26 ft 5 in
Height	1.97 m	6 ft 6 in
Wingspan	11.63 m	38 ft 2 in
Seats	4	4
Empty weight without options	903 kg	1,991 lbs
Max. useful load	407 kg	897 lbs
Max. take-off mass	1,310 kg	2,888 lbs
Fuel capacity total (usable fuel)	147.6 lt / 118 kg	39 US gal / 260 lbs
main tank	106 lt / 84 kg	28 US gal / 185 lbs
auxiliary tank	41.6 lt / 34 kg	11 US gal / 75 lbs

PERFORMANCE (MTOM, ISA)

Max. cruise speed (16,000 ft, MCP)	285 km/h TAS	154 kts TAS
Cruise speed at 60% (14,000 ft)	230 km/h TAS	124 kts TAS
Stall speed, landing configuration	107 km/h CAS	58 kts CAS
Max. rate of climb (MSL)	3.3 m/s	651 ft/min
Max. range (FL160, 50% PWR) incl. climb, no reserves	1,730 km	934 nm
Range at 60% (incl. long range tanks, 14,000 ft) incl. climb, no reserves	1,698 km	917 nm
Fuel consumption at 60%	19.3 lt/hr	5.1 US gal/hr
Take-off performance (MSL, ground roll / take-off obstacle)	397 m / 590 m	1,302 ft / 1,935 ft
Landing performance (MSL, ground roll / landing distance)	318 m / 650 m	1,043 ft / 2,132 ft
Max. operating altitude	5,000 m	16,400 ft
Max. demonstrated crosswind	46 km/h	25 kts

Specifications apply to standard equipped aircraft, if not otherwise stated. The above data are approximately specifications and may change without notice.

AVIATION AS UNIQUE AS YOU ARE



INDIA, SRI LANKA & BANGLADESH:

Block 4A, 7th Floor, Unit-702,703,704, DLF Corporate Park,
M.G. Road, Gurugram - 122 002, Haryana, India

Phone: +91 95004 42735

sales@sakthiaircraft.com

www.sakthiaircraft.com

www.diamondaircraft.com

#WeFlyDiamondAircraft



www.youtube.com/diamondaircraftmedia



www.facebook.com/diamondaircraftind



www.instagram.com/diamondaircraftind



www.linkedin.com/company/diamond-aircraft



www.twitter.com/diamondaircraft

All specifications, weights, representations, colors, equipment, use of materials and model references provided herein are for purely illustrative purposes and legally non-binding, subject to alterations and not warranted or guaranteed to be true or accurate. Actual useful load will vary depending on options installed on the aircraft. Any and all information given in this brochure cannot exempt the person operating the aircraft to use actual data for flight planning. The aircraft and/or product, and the chosen optional equipment (if any) shall meet exclusively the characteristics and specifications as defined and agreed in the written agreement with Diamond Aircraft Group. Referenced Diamond Aircraft trademarks are owned by Diamond Aircraft Industries GmbH or its subsidiaries. All other brands, product names, company names, trademarks and service marks are the properties of their respective owners. All rights reserved. ©2023, Diamond Aircraft Industries GmbH. For additional information on Diamond Aircraft and its products please visit www.diamondaircraft.com. 02/2023 S_30602E