VREF ONLINE
VALUATION REPORT
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# 2022 DIAMOND DA50 RG

AAM International Aviation Services

**GENERATED:** 11/13/26
**REPORT #:** 57397
**CATEGORY:** Single Engine
**TAIL NUMBER:**
**SERIAL NUMBER:**

**PREPARED FOR:** CUSTOMER
**PREPARED BY:** Gerald Hintermayr
**COMPANY:** AAM INTL GMBH
**EMAIL:** gh@aviationservices-intl.com

VREF AIRCRAFT VALUE REFERENCE
APPRAISALS | EXPERT WITNESS



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2534 West County Road, Suite 200, Arden Hills, MN 55112 info@vref.com | (651) 490-8090

## AIRCRAFT OVERVIEW

### AIRCRAFT INFORMATION

| | |
|---|---|
| Registration # | - |
| Serial # | - |
| Airframe Total Time (AFTT) | 758 |
| AFTT Avg | 855 |
| **Since Major Overhaul (SMOH)** | |
| Continental CD-300 | 1,000 |

### CONDITION & HISTORY

| PAINT | INTERIOR |
|---|---|
| $0 | $0 |

## VALUATION SUMMARY

| ITEM | $ RETAIL/FAIR MARKET | $ WHOLESALE |
|---|---|---|
| Basic Price | 883,585 | 786,390 |
| Adds/Deducts | 135,655 | 120,733 |
| Airframe | 6,693 | 5,957 |
| Engine | 0 | 0 |
| Condition | 0 | 0 |
| **TOTAL** | **1,025,933** | **913,080** |



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## Modifications

### BASE PRICE INCLUDES

Garmin G1000NXi flight deck with standard 3-axis GFC700 Automated Flight Control System and yaw damper and Electronic Stability and Protection. Garmin Flightstream 510, Garmin Chart view, Garmin GTX 335R. Base Price Includes the following: Aircraft is compliant with ADS-B Out, AD's and SB's complied with, No Damage History, complete records and logbooks since new and mid-time maintenance unless otherwise noted. Aircraft Base Price assumes aircraft Paint and Interior Condition are Good unless otherwise noted. Please refer to the FAQ for paint and interior definitions.

### MODIFICATIONS AND CONVERSIONS

| ITEM | AGE | VALUE |
|---|---|---|
| Avidyne TAS 605a Traffic Advisory System | 3 | 14,950 |
| Garmin GSR 56 Iridium Satellite Datalink (Subscription Required) | 3 | 17,225 |
| Garmin GTX 345r Ads-B in/out Transponder | 3 | 3,965 |
| Oxygen System | 3 | 19,500 |
| TKS De-Icing System | 3 | 68,250 |
| Wx 500 Stormscope | 3 | 11,765 |
| **Total** | | **135,655** |

### AVIONICS

| ITEM | AGE | VALUE |
|---|---|---|
| **Total** | | **0** |

### MANUAL ADJUSTMENTS

| ITEM | VALUE |
|---|---|
| **Total** | **0** |

### FLOATS

| ITEM | AGE | VALUE |
|---|---|---|
| **Total** | | **0** |




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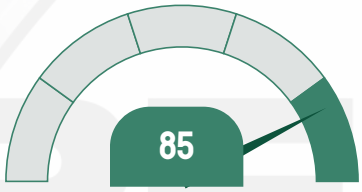
## MARKET OVERVIEW

### VREF PRICE INDEX

(GOOD)




### RETAIL PERCENT CHANGE

| ITEM | VALUE |
|---|---|
| Demand Rating | A |
| Change Last Quarter | 0% |
| Change Since New | -23.17% |
| Change Last 12 Months | -12.58% |
| Price When New | $1,150,000 |



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# PERFORMANCE SPECS

## GENERAL HISTORY

The Diamond DA50 is a five-place, single-engine, composite aircraft designed and built by Diamond Aircraft Industries. First shown in 2006, it made its maiden flight on 4 April 2007. The project has been proposed to be powered by several different engines but was certified on 9 September 2020 with the Continental CD-300 diesel.

The five-seat DA50 RG airframe is constructed predominantly of composite material. It is powered by a single 300 hp =Continental CD-300 diesel engine, with a fuel capacity of 50 U.S. gallons.

The design features double-slotted flaps, retractable landing gear, a Garmin G1000 NXi flight deck with autopilot and single-lever power controls. Optional equipment includes a removable right-hand control stick, an onboard oxygen system, electric-powered air conditioning, a TKS de-icing system and a Garmin GCU 476 input keypad.

The aircraft cruises at 180 kn and has a 750 nmi range, with a fuel economy of 9 US gal per hour. It has a useful load of 1,232 lb. Diamond Aircraft announced EASA certification of the DA50 RG (retractable gear) on 9 September 2020, with deliveries planned to start in the first quarter of 2021. American FAA certification is planned to be completed by the end of 2021.

DA50 RG
Five seat version powered by a Continental CD-300 300 hp diesel engine. The model received an EASA type certificate on 9 September 2020.

## PERFORMANCE & SPECS

| | |
|---|---|
| Max. speed (ISA, 16,000 ft, 1,700 kg, MCP) | 181 kts TAS |
| Max. range incl. 30 min. reserve | 750 nm |
| Consumption at max range | 9 US gal/hr |
| Max. operating altitude | 20,000 ft |
| Seats | 530 nm |
| Useful load | 1,232 lbs |
| Max. Take-Off mass | 4,407 lbs |
| Propeller | MT propeller MTV-12-D/210-56 |
| Range | 750 nm |
| Stall speed, landing configuration | 57 kts CAS |
| Take-off distance (ISA SL, MTOM, ground roll / 50 ft obstacle) | 1,250 ft / 2,427 ft |
| Landing distance (ISA SL, MTOM, ground roll / 50 ft obstacle) | 1,129 ft / 2,224 ft |




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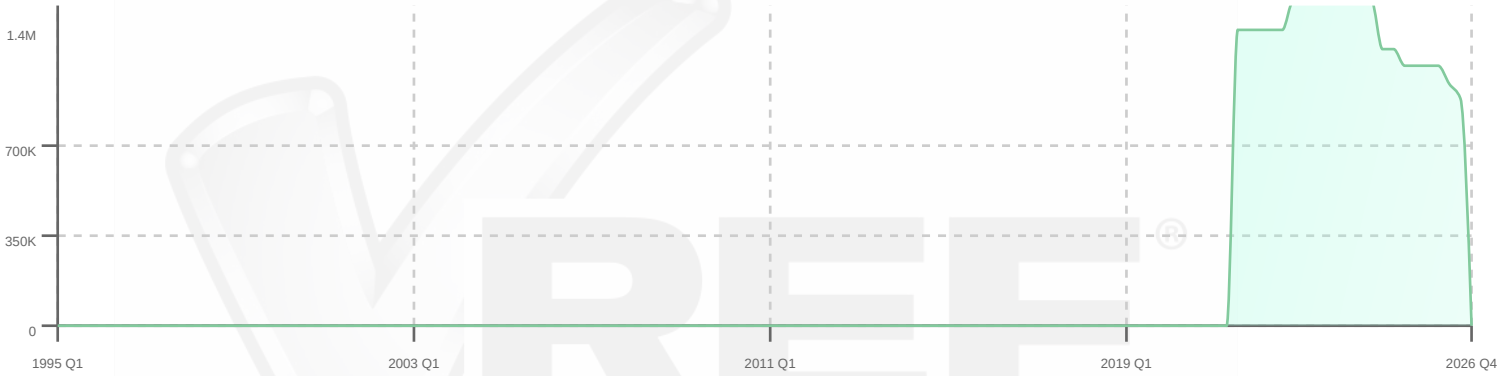
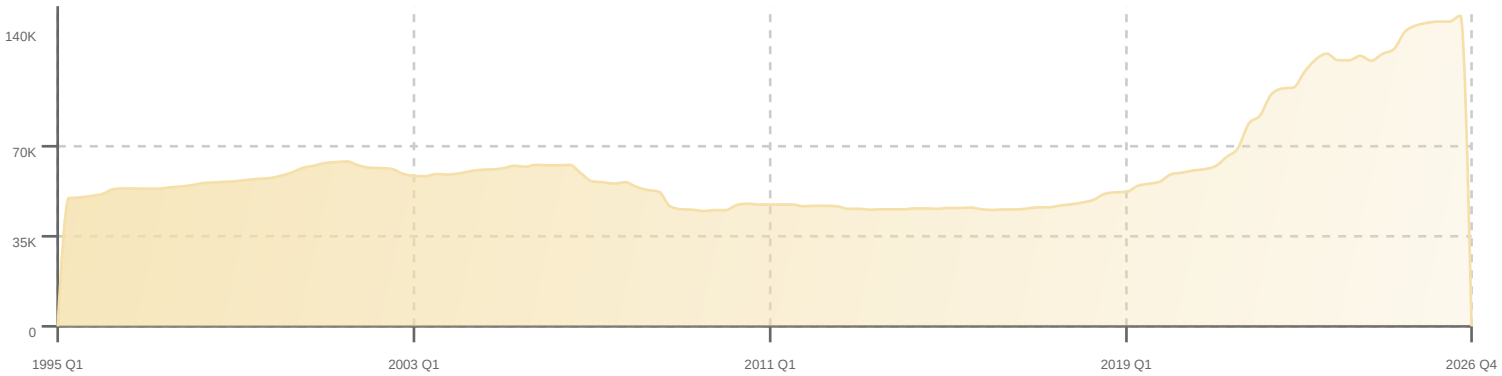
## RETAIL PRICE HISTORY




## INDEX CHART: VREF LIGHT SINGLE INDEX





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## COMMENTS

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