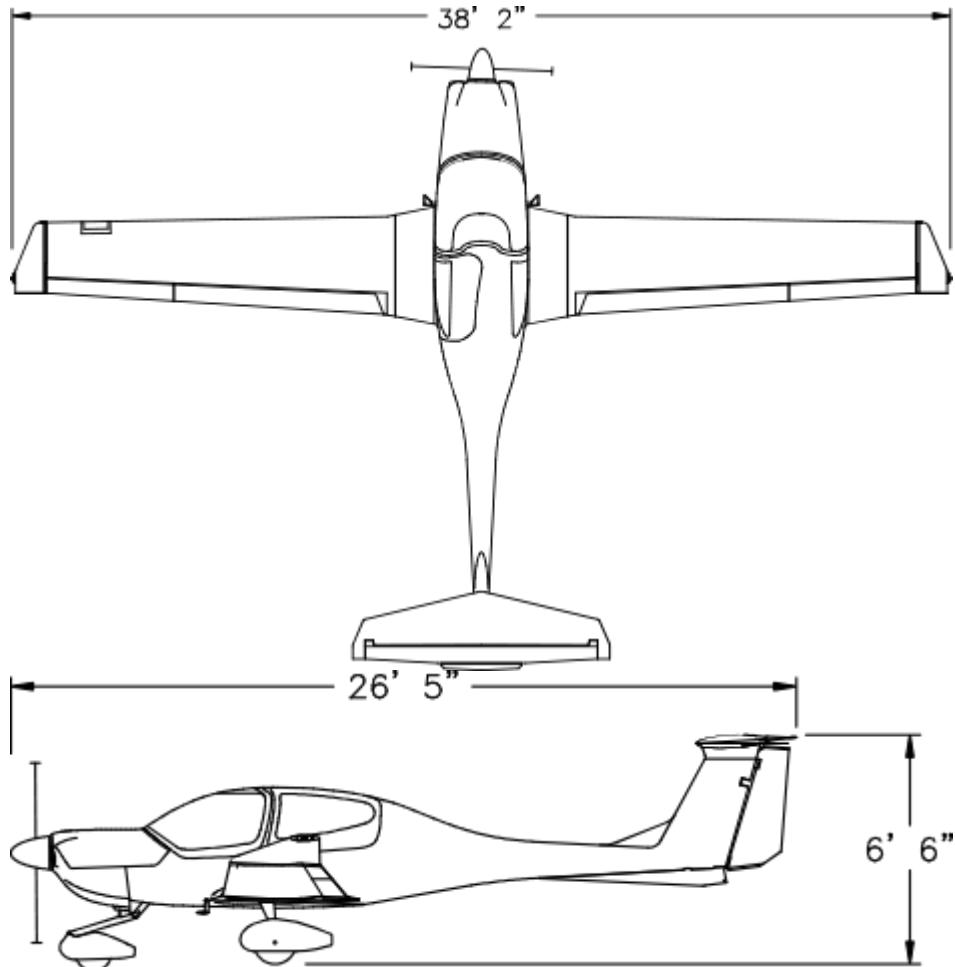


# **DIAMOND DA40 NG**

## **SPECIFICATIONS**

*Specifications subject to change without notice. Always consult the Aircraft Flight Manual.*



### **Weights**

- Max Take-off Weight 2,888 lbs
- Max Zero Fuel Weight 2,789 lbs
- Max Landing Weight 2,822 lbs
- Standard Empty Weight<sup>1</sup> 1,938 lbs
- Useful Load<sup>1</sup> 950 lbs
- Max Fuel Weight<sup>1,2</sup> 273 lbs

- Full Fuel Payload<sup>1,2</sup> 677 lbs

Notes:

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

## Fuel

- Fuel Capacity 41 USG
- Fuel, Unusable 2 USG



## PERFORMANCE

### Speeds

- $V_{ne}$  172 KIAS
- $V_r$  67 KIAS
- $V_{fl}$  (T/O)110 KIAS
- $V_{e2}$  (LDG)98 KIAS
- Max Demonstrated Cross Wind 25kts

### Cruise Performance

- High Speed Cruise 154 ktas @ 92 % Power / 8.4 gph (16,000 ft, ISA)
- Economy Cruise 126 ktas @ 60 % Power / 5.1 gph (16,000 ft, ISA)
- Max Endurance<sup>1</sup> 9.75 hrs @ 45% Power / 4.0 gph (14,000 ft, ISA)
- Max Range<sup>1</sup> 984 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) 994 ft / 1499 ft
- T/O Dist @ MTOW (grnd roll / over 50 ft obst) 1302 ft / 1936 ft
- LDG Dist @ 2,425 lbs (grnd roll / over 50 ft obst) 886 ft / 2008 ft
- LDG Dist @ MTOW (grnd roll / over 50 ft obst) 1043 ft / 2133 ft

## Climb Performance

- 709 fpm @ 92% power<sup>1</sup> 6,000' Density Altitude, ISA
- 777 fpm @ 100% power<sup>1</sup> Sea Level, ISA

**Note:**

**1 @ 2,645lbs**

## Ceiling

- Certified Ceiling, Normal Ops 16,400 ft

