

DA40TDI Diamond Aircraft
Fact Sheet



DA40 TDI Diamond Star

Power Plant	
Engine	TAE Centurion 2.0 Turbocharged Common-Rail Injected Diesel Engine with FADEC Single Lever Control System
Propeller	MT Propeller MTV-6-A/187-129 3-blade Constant Speed Propeller

Performance/Consumption		
Take-off Distance (Ground Roll) MTOW	335 m	1,099 ft
Take-off Distance (50 ft Obstacle) MTOW	635 m	2,083 ft
Rate of Climb at Sea Level MTOW	3.3 m/s	650 fpm
Rate of Climb in 10.000 ft MTOW	1.9 m/s	374 fpm
Max. Cruise Speed in 6.000 ft	263 km/h TAS	142 kts TAS
Cruise Speed @ 70% in 10.000 ft	232 km/h TAS	125 kts TAS
Fuel Consumption	18.5 lt/h	4.9 US gal/hr
Cruise Speed @ 60% in 10.000 ft	211 km/h TAS	114 kts TAS
Fuel Consumption	15.1 lt/h	4.0 US gal/hr
Range @ 60% in 10.000 ft Standard/Long Range	1,372 km/2,006 km	741 nm/1,083 nm

Dimensions/Weights		
Length	8.06 m	26 ft 5 in
Height	1.97 m	6 ft 6 in
Wing Span	11.94 m	39 ft 2 in
Wing Area	13.54 m ²	145.7 sq ft
Seats	4	4
Empty Weight Conv. Avionics / Garmin G1000	786 kg / 806 kg	1,733 lb / 1,777 lb
Max. Take-off Weight (MTOW)	1,150 kg	2,535 lb
Payload Conv. Avionics / Garmin G1000	364 kg / 344 kg	802 lb / 758 lb
Fuel Capacity Standard/Long Range	114 lt/155 lt	30 US gal/41 US gal
Fuel Grades	Jet A1/Diesel ¹⁾	Jet A1/Diesel ¹⁾

¹⁾According to DIN EN 590 fuel standards.

Specifications apply to standard equipped aircraft, if not otherwise stated. Specification may change without notice. April 18, 2007 / Rev. 07-2

