

# DA40 TDI Diamond Star FACT SHEET



## DA40 TDI Diamond Star

Power Plant	
Engine	THIELERT Centurion 1.7 (135 hp)
Propeller	MT 3-blade Hydraulic 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 10.000 ft	246 km/h TAS	133 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 Tank	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 <sup>2</sup>	145.7 sq ft
Seats	4	4
Empty Weight	795 kg	1,753 lbs
Max. Take-off Weight (MTOW)	1,150 kg	2,535 lbs
Payload	355 kg	782 lbs
Fuel Capacity Standard/Long Range Tank	114 lt/155 lt	30 US gal/41 US gal
Fuel Grades	Jet A1/Diesel	Jet A1/Diesel

Specifications apply to standard equipped aircraft, if not otherwise stated. Specification may change without notice. Status: March 1, 2005

