

DA40 TDI Diamond Star

FACT SHEET



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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 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	1,372 km/2,006 km 741 nm/1,083 nm
Standard/Long Range Tank	

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 Garmin Avionics / G1000	780 kg / 800 kg 1,720 lb / 1,764 lb
Max. Take-off Weight (MTOW)	1,150 kg 2,535 lb
Payload Garmin Avionics / G1000	370 kg / 350 kg 815 lb / 771 lb
Fuel Capacity Standard/Long Range Tank	114 lt/155 lt 30 US gal/41 US gal
Fuel Grades	Jet A1/Diesel ¹⁾ Jet A1/Diesel ¹⁾

¹⁾According to EU fuel standards (EN 590)

Specifications apply to standard equipped aircraft, if not otherwise stated. Specification may change without notice. September 16, 2006

