Diamond AIRCRAFT

DA42 TDI Twin Star

Fact Sheet



DA42 TDI Twin Star

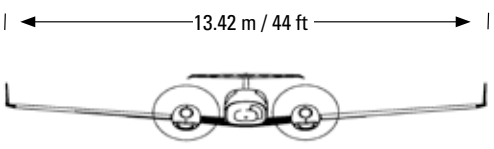
Power Plant	
Engine	2x TAE Centurion 2.0 Turbocharged Common-Rail Injected Diesel Engines with FADEC Single Lever Control System
Propeller	2x MT Propeller MTV-6-A-C-F/CF 187-129 3-blade Constant Speed Propeller

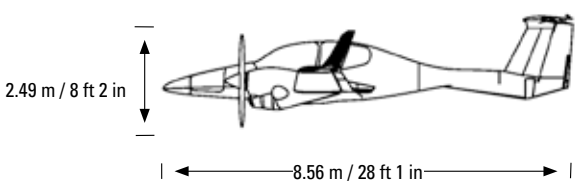
Performance/Consumption		
Rate of Climb at Sea Level MTOW	5.3 m/s	1,052 fpm
Rate of Climb in 10.000 ft MTOW	4.4 m/s	840 fpm
Max. Operating Altitude	5,486 m	18,000 ft
Max. Air Speed	359 km/h IAS	194 kts IAS
Cruise Speed @ 50% in 18.000 ft Fuel Consumption	250 km/h TAS 27.2 lt/h	135 kts TAS 7.2 US gal/hr
Cruise Speed @ 90% in 10.000 ft Fuel Consumption	302 km/h TAS 54.5 lt/h	163 kts TAS 14.4 US gal/hr
Cruise Speed @ 60% in 10.000 ft Fuel Consumption	256 km/h TAS 33.3 lt/h	138 kts TAS 8.8 US gal/hr
Range @ 60% in 10.000 ft Standard/Long Range	1,577 km/2,222 km	852 nm/1,200 nm

Dimensions/Weights		
Length	8.56 m	28 ft 1 in
Height	2.49 m	8 ft 2 in
Wing Span	13.42 m	44 ft
Wing Area	16.29 m²	175.3 sq ft
Seats	4	4
Empty Weight	1,272 kg	2,804 lbs
Max. Take-off Weight (MTOW)	1,785 kg	3,935 lbs
Payload	513 kg	1,131 lbs
Fuel Capacity Standard/Long Range	197 lt/301 lt	52 US gal/79 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. Specifications may change without notice. April 18, 2007 / Rev. 07-2





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