

DA40 XL Diamond Star

FACT SHEET



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Power Plant	
Engine	LYCOMING IO-360-M1A
Propeller	MT 3-blade Constant Speed Propeller

Performance/Consumption	
Take-off Distance (Ground Roll)	313 m 1,027 ft
Take-off Distance (50 ft Obstacle)	345 m 1,140 ft
Rate of Climb at Sea Level MTOW	5.7 m/s 1,120 fpm
Max. Demonstrated Operating Altitude	5,000 m 16,400 ft
Manoeuvring Speed	200 km/h 108 kts
Max. Cruise Speed	293 km/h TAS 158 kts TAS
Cruise Speed @ 75% in 6.000 ft	278 km/h TAS 150 kts/ TAS
Fuel Consumption	35.9 lt/h 10 US gal/hr
Stall Speed (0° Flaps) MTOW	96 km/h 52 kts
Stall Speed (Full Flaps)	91 km/h 49 kts
Max. Demonstrated Crosswind Component	37 km/h 20 kts
Range (45 min, Route Reserve)	1,333 km 720 nm

Dimensions/Weights	
Length	8.06 m 26 ft 5 in
Height	1.97 m 6 ft 6 in
Wing Span	11.94 m 38 ft 2 in
Wing Area	13.54 m ² 145.7 sq ft
Seats	4 4
Empty Weight	750 kg 1,653 lb
Max. Take-off Weight (MTOW)	1,150 kg 2,645 lb
Payload	400 kg 925 lb
Useable Fuel Capacity	190 lt 50 US gal
Fuel Grades	AVGAS 100 LL AVGAS 100 LL

Specifications apply to standard equipped aircraft, if not otherwise stated. Specification may change without notice. Status: Dec. 5, 2006

