

DA42 New Generation - Factsheet



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Power Plant

Engine	2x Austro Engine AE300 Turbocharged Common-Rail Injected 2.0 Liter Diesel Engine with 168 HP and EECU Single Lever Control
Propeller	2x MT Propeller MTV-6-R-C-F/CF187-129 3-blade Constant Speed Propeller

Performance/Consumption

Rate of climb at sea level MTOW	5.84 m/s ¹⁾	1,150 fpm ¹⁾
Rate of climb in 10,000 ft MTOW	5.18 m/s ¹⁾	1,020 fpm ¹⁾
Max. operating altitude	5,486 m	18,000 ft
Max cruise speed in 14,000 ft	341 km/h ¹⁾	184 kts TAS ¹⁾
Cruise speed @ 75% in 14,000 ft	322 km/h ¹⁾	174 kts TAS ¹⁾
Cruise speed @ 60% in 14,000 ft	282 km/h ¹⁾	152 kts TAS ¹⁾
Consumption @ 60%	38.9 lt/hr total	10.3 gal/hr total
Range @ 60%, standard/long range tank	1,315 km/2,000 km	710 nm/1180 nm
Takeoff distance, 50 ft above the take off surface (ISA sea level)	733 m ¹⁾	2,405 ft ¹⁾
Landing distance, 50 ft above landing surface (ISA sea level)	618 m ¹⁾	2,027 ft ¹⁾
Stall speed, landing configuration, full flaps, gear down	113 km/h CAS ¹⁾	61 kts CAS ¹⁾
Stall speed, clean	126 km/h CAS ¹⁾	68 kts CAS ¹⁾
Maximum demonstrated crosswind	46 km/h	25 kts

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
	Seats	4	4
	Max. Take-off Weight (MTOW)	1,900 kg	4,189 lbs
	Empty weight	1,415 kg	3,119 lbs
	Fuel capacity (useable fuel) standard/long range	189.3 lt/ 287.7 lt	50 US gal/ 76 US gal
	Fuel grades	Jet A1	

¹⁾ at 1,900 kg/ 4,189 lbs TOW

Specifications apply to standard equipped aircraft, if not otherwise stated. The above quoted data are approximately specifications and may change without notice.
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