



DA42-VII

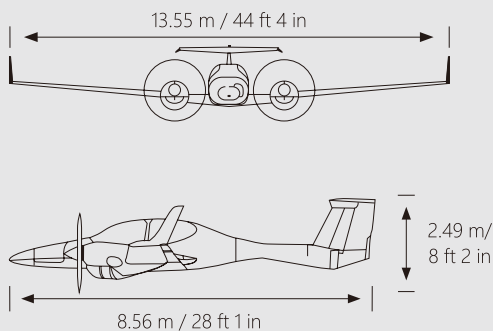
POWER PLANT

Engine	2 × Austro Engine AE 300 turbocharged common-rail injected 2.0 liter diesel engine with 168 HP and EECU single lever control system
Propeller	3-blade constant speed propeller
Fuel grades	No. 3 Jet Fuel, Jet A-1, Jet A, RT, JP-8

PERFORMANCE/FUEL CONSUMPTION

Max. cruising speed (16,000 ft)	352 km/h	190 KTAS
Cruise speed at 75% (16,000 ft)	324 km/h	175 KTAS
Stall speed (flap up) 1,760 kg TOW	119 km/h	64 KCAS
Stall speed (landing configuration) 1,760 kg TOW	109 km/h	59 KCAS
Rate of climb (ISA SL) 1,760 kg TOW	6.73 m/s	1,325 fpm
Rate of climb 1,760 kg TOW	5.59 m/s	1,100 fpm
Range at 60%	2,245 km	1,215 nm
Consumption at 60% in total	38.9 L/h	10.3 US gal/h
Take-off ground roll/take-off distance Max. TOW	424 m/ 776 m	1,391 ft/ 2,546 ft
Take-off ground roll/take-off distance 1,760 kg TOW	365 m/ 644 m	1,198 ft/ 2,114 ft
Landing ground roll / landing distance Max. TOW	387 m/ 647 m	1,270 ft/ 2,123 ft
Landing ground roll / landing distance 1,760 kg TOW	346 m/ 589 m	1,135 ft/ 1,932 ft
Max. operating altitude	5,486 m	18,000 ft
Max. demonstrated crosswind	46 km/h	25 kts

DIMENSIONS / MASS / LOADING



Length	8.56 m	28 ft 1 in
Height	2.49 m	8 ft 2 in
Wingspan	13.55 m	44 ft 4 in
Seats	4	4
Empty weight	1,410 kg	3,109 lbs
Max. take off mass	2,001 kg	4,411 lbs
Useful load	591 kg	1,301 lbs

FUEL CAPACITY

Long range fuel tank	289L	76.4 US gal
----------------------	------	-------------

*Specifications apply to standard equipped aircraft (equipped with DME, TAS, WX500, AUX, TKS and standard interior)

*The above data are for reference and the manufacturer reserves the right to final interpretation. Any changes will be notified separately.