

Important information for the manual

- All bolt sizes are given for the “Grip Length”. Excluding the thread length. Unless printed otherwise (Usually in bolt print on drawings).
- All Studs are given for the “Grip Length”. Excluding the thread length. Unless otherwise stated (Usually in bolt print on drawings).
- Most horizontal bolts have to have the head facing the nose. Unless otherwise stated. (Usually in bolt print on drawings).
- Most Vertical bolts have to have the head facing upwards. Unless otherwise stated. (Usually in bolt print on drawings).
- Quantities in the drawings are given for total number of parts (Left and Right or back and front components).

Specifications and performance

Trike and wing stats	As-tec 13	As-tec 15
Wing span	8.75 meters	8.95 meters
Wing area	13 sq. meter	15 sq. meter
Wing nose angle	123 Degrees	127 Degrees
Wing aspect Ratio	6.25	6.3
Trike wheel track	1.45 meters	1.45 meters
Trike wheel base	1.60 meters	1.60 meters
Seat	1	1
Fuel tank capacity	20 liters	20 liters
Wheels and tyres	Wheels: 4 inch alloy wheels Tyres Diameter 280 mm	Wheels: 4 inch alloy wheels Tyres Diameter 280 mm
Tyre pressure front / rear	16 - 18 Psi (1.1 to q.2 BAR). 14 - 16 Psi (1. to 1.1 BAR)	16 - 18 Psi (1.1 to q.2 BAR). 14 - 16 Psi (1. to 1.1 BAR)
M.A.U.W. Tested to	240 KG (530 Lbs)	240 KG (530 Lbs)
Limit load factor	+6 G - 3 G	+6 G - 3 G
Minimum Pilot weight	50 KG's	50 KG's
Maximum bank angle	60 degrees	60 degrees
Maximum pitch angle	30 degrees	30 degrees
Engine	M V-X and others	M V-X and others
Power output	M V-X 36 hp	M V-X 36 hp
Empty weight trike, engine, wing	84 - 96 KG. Engine dependent	82 - 96 KG Engine dependent
Cruise speed	32 to 38 Mph	42 to 48 Mph
Stall speed at M.A.U.W.	24 Mph	23 Mph
Max. level speed at M.A.U.W.	60 Mph	50 Mph
Vne	66 Mph	58 Mph
Climb rate	700 ft pm With M V-X	850 ft pm with M V-X
Glide Ratio on tick over	8:1	9:1
Take off distance	65 meters	55 meters
Landing distance	25 to 40 mts. Pilot ability	25 to 40 mts. Pilot ability