air création

PERFORMANCE & TECHNICAL SPECIFICATIONS

- with a Maximum Weight of 472.5 kg (1,042 lbs) -

air création

BioniX

Surface: 15.1 m² (163 sq ft) Wing Span: 9.85 m (32.3 ft) Nose Angle: 130° Aspect Ratio: 6.4
Maximum Load Factors: +6 -3 g VNE: 185 km/h (115 mph)
Roll Rate 45°/45°: 3 s at 80 km/h (50 mph) – 2.5 s at 120 km/h (75 mph)

v	Tanarg 582	Tanarg 912	Tanarg 912 S	Tanarg 912 ES
Payload with BRS parachute	239.5 kg *528 lbs*	220.5 kg *486 lbs*	218.5 kg *482 lbs*	223.5 kg *493 lbs*
Stall speed at max weight With 1 person	62 km/h *39 mph* 51 km/h *32 mph*	62 km/h *39 mph* 52 km/h *32 mph*	62 km/h *39 mph* 52 km/h *32 mph*	62 km/h *39 mph* 52 km/h *32 mph*
Cruising speed in neutral	80-130 km/h *50-81 mph*	80-130 km/h *50-81 mph*	80-130 km/h *50-81 mph*	80-130 km/h *50-81 mph*
Maximum speed at max weight With 1 person	170 km/h *106 mph* 160 km/h *99 mph*	170 km/h *106 mph* 160 km/h *99 mph*	170 km/h *106 mph* 160 km/h *99 mph*	170 km/h *106 mph* 160 km/h *99 mph*
Climb rate at max weight With 1 person	3,3 m/s *650 ft/min* 6,4 m/s *1260 ft/min*	4,6 m/s *906 ft/min* 7,6 m/s *1496 ft/min*	5,6 m/s *1102ft/min* 8,6 m/s *1693 ft/min*	5,1 m/s *1004 ft/min* 8,1 m/s *1595 ft/min*
Fall speed engine off at max weight With 1 person	2,5 m/s *492 ft/min* 2,1 m/s *413 ft/min*	2,5 m/s *492 ft/min* 2,2 m/s *433 ft/min*	2,5 m/s *492 ft/min* 2,2 m/s *433 ft/min*	2,5 m/s *492 ft/min* 2,2 m/s *433 ft/min*
Glide ratio	9	9	9	9
Takeoff run at max weight With 1 person	105 m *345 ft* 50 m *164 ft*	95 m *312 ft* 45 m *148 ft*	85 m *279 ft* 40 m *131 ft*	90 m *295 ft* 40 m *131 ft*
Landing run at max weight With 1 person	55 m *181 ft* 40 m *131 ft*	55 m *181 ft* 40 m *131 ft*	55 m *181 ft* 40 m *131 ft*	55 m *181 ft* 40 m *131 ft*
Fuel consumption at 90km/h 56 mph at max weight With 1 person	12 l/h *3.2 US g/h* 9 l/h *2.4 US g/h*	8,5 l/h *2.3 US g/h* 6 l/h *1.6 US g/h*	8,5 l/h *2.3 US g/h* 6 l/h *1.6 US g/h*	8,5 l/h *2.3 US g/h* 6 l/h *1.6 US g/h*
Range at 90 km/h 56 mph at max weight With 1 person	490 km *305 miles* 650 km *404 miles*	690 km *429 miles* 975 km *606 miles*	690 km *429 miles* 975 km *606 miles*	690 km *429 miles* 975 km *606 miles*
Range at 125 km/h 78 mph at max weight With 1 person	350 km *218 miles* 450 km *280 miles*	500 km *311 miles* 625 km *388 miles*	500 km *311 miles* 625 km *388 miles*	500 km *311 miles* 625 km *388 miles*
Noise level*	64 dB	73 dB	73 dB	69 dB

*Measured at full power at a height of 150 meters 492 ft above ground.