

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

## **BioniX**

Surface: 15.1 m<sup>2</sup> (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 <i>528 lbs</i>	220.5 kg <i>486 lbs</i>	218.5 kg <i>482 lbs</i>	223.5 kg <i>493 lbs</i>
Stall speed at max weight	62 km/h <i>39 mph</i>	62 km/h <i>39 mph</i>	62 km/h <i>39 mph</i>	62 km/h <i>39 mph</i>
With 1 person	51 km/h <i>32 mph</i>	52 km/h <i>32 mph</i>	52 km/h <i>32 mph</i>	52 km/h <i>32 mph</i>
Cruising speed in neutral	80-130 km/h <i>50-81 mph</i>	80-130 km/h <i>50-81 mph</i>	80-130 km/h <i>50-81 mph</i>	80-130 km/h <i>50-81 mph</i>
Maximum speed at max weight	170 km/h <i>106 mph</i>	170 km/h <i>106 mph</i>	170 km/h <i>106 mph</i>	170 km/h <i>106 mph</i>
With 1 person	160 km/h <i>99 mph</i>	160 km/h <i>99 mph</i>	160 km/h <i>99 mph</i>	160 km/h <i>99 mph</i>
Climb rate at max weight	3,3 m/s <i>650 ft/min</i>	4,6 m/s <i>906 ft/min</i>	5,6 m/s <i>1102ft/min</i>	5,1 m/s <i>1004 ft/min</i>
With 1 person	6,4 m/s <i>1260 ft/min</i>	7,6 m/s <i>1496 ft/min</i>	8,6 m/s <i>1693 ft/min</i>	8,1 m/s <i>1595 ft/min</i>
Fall speed engine off at max weight	2,5 m/s <i>492 ft/min</i>	2,5 m/s <i>492 ft/min</i>	2,5 m/s <i>492 ft/min</i>	2,5 m/s <i>492 ft/min</i>
With 1 person	2,1 m/s <i>413 ft/min</i>	2,2 m/s <i>433 ft/min</i>	2,2 m/s <i>433 ft/min</i>	2,2 m/s <i>433 ft/min</i>
Glide ratio	9	9	9	9
Takeoff run at max weight	105 m <i>345 ft</i>	95 m <i>312 ft</i>	85 m <i>279 ft</i>	90 m <i>295 ft</i>
With 1 person	50 m <i>164 ft</i>	45 m <i>148 ft</i>	40 m <i>131 ft</i>	40 m <i>131 ft</i>
Landing run at max weight	55 m <i>181 ft</i>	55 m <i>181 ft</i>	55 m <i>181 ft</i>	55 m <i>181 ft</i>
With 1 person	40 m <i>131 ft</i>	40 m <i>131 ft</i>	40 m <i>131 ft</i>	40 m <i>131 ft</i>
Fuel consumption at 90km/h 56 mph at max weight	12 l/h <i>3.2 US g/h</i>	8,5 l/h <i>2.3 US g/h</i>	8,5 l/h <i>2.3 US g/h</i>	8,5 l/h <i>2.3 US g/h</i>
With 1 person	9 l/h <i>2.4 US g/h</i>	6 l/h <i>1.6 US g/h</i>	6 l/h <i>1.6 US g/h</i>	6 l/h <i>1.6 US g/h</i>
Range at 125 km/h 78 mph at max weight	350 km <i>218 miles</i>	500 km <i>311 miles</i>	500 km <i>311 miles</i>	500 km <i>311 miles</i>
With 1 person	450 km <i>280 miles</i>	625 km <i>388 miles</i>	625 km <i>388 miles</i>	625 km <i>388 miles</i>
Noise level*	64 dB	73 dB	73 dB	69 dB

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