BioniX²

THE BIONIX SPIRIT… TWICE THE POWER

For the flight to remain a cinch, we've designed the BioniX².

More stable, easier to fly, more flexible, more sustainable, this wing will not cease to amaze you.

Just fly and the **BioniX²** will do the rest. It minimizes pilot action and extends your flight opportunities in the most severe wind conditions, confidently, without fatigue. For a peaceful ride on a light throttle, out of the beaten track or a quick tour**, BioniX²** always answers the call.

With our experience *(almost 700 BioniX produced)*, we have optimized all the qualities that have made this wing a worldwide success and further enhanced its potential. The effective range of its **"Corset"** has been extended by 30%. The **X²** is more responsive at low speeds and more efficient at high speeds. For roll lightness, a "Delrin" ring is used for the hang point and a balancing tab on the lower longitudinal cables reduces parasitic forces. For perfect control in all conditions, the control bar's «Easy Grip» shape provides optimum comfort at all speeds and limits the control bar movements to control the pitch and benefit from one lateral support for the roll .

For the sake of perfection, Air Creation obliges, with the selection of new materials: sailcloth «LiteSkin» and «Carbon Sport» strengthens protection against mishandling and U-V. The lifetime is thereby increased and the handling qualities are retained even longer. The mast and the A-frame are now in aluminum profiles for a perfect finish.

To get the most of the 13 sq.m *(140 sq.ft)* of the **X²**, we also improved the performances at high angles, the absorption of water droplets by the fabric on the leading edge and the position of turbulators . This results in a reduction of the stall speed in all circumstances and increases the payload *(MTOW 472.5 kg)*.

Proud of its mast, **BioniX²** does not purport to be the fastest wing in the world but is without question one of the most balanced and safest wings in the world.

TECHNICAL CARACTERISTICS & PERFORMANCE

TYPE	BIONIX² 13 SKYPPER 912	BIONIX² 13 SKYPPER 912 S	BIONIX² 13 TANARG 912 S	BIONIX² 13 TANARG 912 ES
Wingspan	9,10 m/29,9 ft	9,10 m/29,9 ft	9,10 m/29,9 ft	9,10 m/29,9 ft
Surface	13,3 m²/143,2 sq.ft	13,3 m²/143,2 sq.ft	13,3 m²/143,2 sq.ft	13,3 m²/143,2 sq.ft
Aspect ratio	6,2	6,2	6,2	6,2
Nose angle	130°	130°	130°	130°
Height	3,45 m/11,31 ft	3,45 m/11,31 ft	3,42 m/11,22 ft	3,42 m/11,22 ft
Wing weight	54,5 kg/120lbs	54,5 kg/120lbs	54,5 kg/120lbs	54,5 kg/120lbs
Trike weight	168 kg/371 lbs	170 kg/375 lbs	188 kg/415 lbs	183 kg/404 lbs
Payload	240 kg/530 lbs	238 kg/526 lbs	220 kg/486 lbs	225 kg/497 lbs
M.T.O.W.	472,5 kg/1044 lbs	472,5 kg/1044 lbs	472,5 kg/1044 lbs	472,5 kg/1044 lbs
Minimum Speed	61 km/h/37,9 mph	61 km/h/37,9 mph	62 km/h/38,5 mph	62 km/h/38,5 mph
Maximum Speed in Flight level	140 km/h/87 mph	153 km/h/95 mph	154 km/h/96 mph	150 km/h/93 mph
Range of Speed "hands off" with **Corset** released/tight	80-145 km/h 50 - 90 mph	80-145 km/h 50 - 90 mph	80-145 km/h 50 - 90 mph	80-145 km/h 50 - 90 mph
V.N.E.	190 km/h/118 mph	190 km/h/118 mph	190 km/h/118 mph	190 km/h/118 mph
Climb rate	4,8 m/s	6,0 m/s	6,0 m/s	6,0 m/s
Takeoff roll distance	95 m/309 ft	80 m/260 ft	80 m/260 ft	85 m/277 ft

MOTOR	ROTAX 912	ROTAX 912 S	ROTAX 912 S	ROTAX 912 S
Power	80 hp	100 hp	100 hp	100 hp
Gear box ratio	2.43:1	2.43:1	2.43:1	2.43:1
Propeller	HELIX H-50 F/1.75 m	HELIX H-50 F/1.75 m	NEUFORM CL 3-65	NEUFORM TXL 3-65
Noise level*	74 dB	74 dB	72 dB	70 dB
Consumption	10 l/h à 100 km/h	10 l/h à 100 km/h	10 l/h à 105 km/h	10 l/h à 105 km/h
Autonomy	500 km/310 miles	500 km/310 miles	630 km/390 miles	630 km/390 miles

Performances given for an actual payload of 180 kg (396 lb). ** Measure taken at full power at an altitude of 150 m (500 ft) above ground.*

air création
TOUJOURS UN ULM D'AVANCE

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