

# Technical Data Xenon

MODEL	XL	XL2 Carbon
Cockpit Dimensions	1.25 m ( 49,2 ")	1.25 m ( 49,2" )
Overall width	2.2 m ( 86,6 ")	2.2 m ( 86,6" )
Length (airframe)	4.9 m ( 193 ")	4.9 m ( 193" )
Height	2.8 m ( 110 ")	2.8 m ( 110" )
Number of seats	3	2
Wheel Diameter (std.)	350 mm	350 mm
Empty weight (no options)	300 kg ( 810 lbs)	285 kg ( 770 lbs )
Max Payload	300 kg ( 777 lbs)	300 kg ( 777 lbs )
Max Take-off Weight (1)	600 kg (1620 lbs)	585 kg ( 1580 lbs )
Powerplant	ROTAX 912Turbo Intercooler	ROTAX 912 Turbo Inter.
Configuration	4 flat cylinders 4T	4 flat cylinders 4T
Power	135 hp @ 5800 rpm	135 hp @ 5800 rpm
Starter	Electric	Electric
Mechanical reducer	1: 2.43	1 : 2.43
Intake	2 Carbs + turbo + intercooler	2 Carbs+turbo+intercool.
Static Thrust	280 kg ( 617 lbs )	280 kg ( 617 lbs )
Fuel Capacity	2 X 42 liters ( 2x11 gal )	2x42 liters ( 2x11 gal )
Propeller	DUC FC Windspoon 174 R	DUC FC Windspoon 174R
Diameter	1.74 m ( 68,5" )	1.74 m ( 68,5" )
Rotor	Aircraft aluminum	Aircraft aluminium
Diameter	8.8 m	8.6 m
Rotor Surface Area	61 m <sup>2</sup>	58 m <sup>2</sup>
<b>Performance (2)</b>		
Minimum speed	65 km/h ( 35 kt )	65 km/h ( 35 kt )
Cruise speed (75 %)	130 km/h ( 70 kt )	150 km/h ( 81 kt )
Maximum speed (3)	165 km/h ( 89 kt )	175 km/h ( 94 kt )
Vne	190 km/h ( 103 kt )	190 km/h ( 103 kt )
Rate of climb	at 110 km/h ( 59 mph ) : 800 ft/mn	at 110 km/h ( 59 mph ):800 ft/mn
Approach speed	95 km/h ( 51 kt )	95 km/h ( 51 kt )
Minimum distance T.O. (4)	100 m ( 300 ft )	100 m ( 300 ft )
Minimum distance landing	10 m ( 30 ft )	10 m ( 30 ft )
Power / loading	4.45 kg/hp	4.33 kg/hp
Cruise fuel consumption	16 l/h ( 4,2 gal/h )	16 l/h ( 4,2 gal/h )
Endurance in hours	5	5
Theoretical max range	600 km ( 370 miles )	750 km ( 466 miles )

(1) Depends on country laws and regulations. The maximum weight shown indicates our recommended tested limit.

(2) Under ISO conditions : 15 °C / 1013 mb 29,9 (inch Hg)

(3) Read airspeed, to be corrected according conditions

(4) Using standard prerotation protocols with experienced pilot on hard surface

**Celier Aviation**

96-313 Jaktorów - Kolonia, Poland, Nowowiejskiego 26A, tel/fax +48(46) 856-52-24

[www.celieraviation.eu](http://www.celieraviation.eu)