

# Technical Data Xenon 2

MODEL	R	RT	RST
Cockpit Dimensions	1.25m (49,2 ")	1.25m (49,2 ")	1.25m (49,2 ")
Overall width	2.2m (86,6 ")	2.2m (86,6 ")	2.2m (86,6 ")
Length (airframe)	4.9m (193 ")	4.9m (193 ")	4.9m (193 ")
Height	2.8m (110 ")	2.8m (110 ")	2.8m (110 ")
Wheel Diameter (std.)	350mm	350mm	350mm
Empty weight (no options)	260* kg (573lb)	290 kg (639lb)	285 kg (628lb)
Max Payload	190* kg / 200kg (419-441 lbs)	160 kg / 210kg (353-463 lbs)	175 kg / 240kg (386-529 lbs)
Max Take-off Weight (1)	450 kg / 475 kg (992/ 1050lbs)	450 kg / 500 kg (992 / 1100 lbs)	450 kg / 525 kg (992 / 1160 lbs)
Powerplant	ROTAX 912 ULS	ROTAX 914T	ROTAX 912T
Configuration	4 flat cylinders 4T	4 flat cylinders 4T	4 flat cylinders 4T
Power	100hp** @ 5800 rpm	115 hp @ 5800 rpm	122 / 135 hp @ 5800 rpm (5)
Starter	Electric	Electric	Electric
Mechanical reducer	1: 2.43	1: 2.43	1: 2.43
Intake	2 Carburetors	2 Carbs + turbo	2 Carbs + turbo
Static Thrust	230 kg (507lbs)	260 kg (575lbs)	280 kg (617lbs)

Fuel Capacity	2 X 42 liters (2x11 gal)	2 X 42 liters (2x11 gal)	2 X 42 liters (2x11 gal)
Propeller	DUC FC Windspoon	DUC FC Windspoon R	DUC FC Windspoon R
Diameter	1.74 m (68,5 ")	1.74 m (68,5 ")	1.74 m (68,5 ")
Rotor	Aircraft aluminum	Aircraft aluminum	Aircraft aluminum
Diameter***	8.4m / 8,6m (27ft / 28ft)	8.4m / 8,6m (27ft / 28ft)	8.4m / 8,6m (27ft / 28ft)
Rotor Surface Area	55.38m <sup>2</sup> to 58 m <sup>2</sup>	55.38m <sup>2</sup> to 58 m <sup>2</sup>	55.38m <sup>2</sup> to 58 m <sup>2</sup>
<b>Performance</b>			
Minimum speed	30 km/h (16 kt)	30 km/h (16 kt)	30 km/h (16 kt)
Cruise speed (75 %)	120 km/h (65 kt)	140 km/h (76 kt)	160 km/h (86 kt)
Maximum speed (3)	170km/h (92 kt)	185 km/h (100 kt)	195 km/h (105 kt)
Vne	210 km/h (113 kt)	210 km/h (113 kt)	210 km/h (113 kt)
Rate of climb	600 ft/min	900 ft/mn	1200 ft/mn
Glide Ratio	3/1	3/1	3/1
Minimum distance T.O. (4)	150 m (490 ft)	80 m (260 ft)	50 m (165 ft)
Minimum distance landing	0 – 5 m (0-16 ft)	0 – 5 m (0-16 ft)	0 – 5 m (0-16 ft)
Operational ceiling	3000 m	4500 m	5500 m
Cruise fuel consumption	15 l/h 4gal/h	19 l/h 5gal/h	16 l/h 4,2gal/h
Endurance in hours	5	4	5
Theoretical max range	600 km (373 miles)	600 km (373 miles)	800 km (497 miles)

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

(2) Under ISO conditions : 15 °C / 1013 mb 29,9 (inch Hg) – 2 pax 85 kg (187 lbs) + 1 hour fuel

(3) Read airspeed, to be corrected according conditions

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

(5) RST France version limited to 122HP, 135HP with intercooler only.

\* 260kg refers to the German version / other versions are 275 kg.

\*\* Only with airbox.

\*\*\* Rotor diameter is advised regarding general flying conditions of the end user.

**GIR AVIATION sarl Importateur de la gamme XENON**

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