

# Technical Data Kiss

MODEL	KISS 582 (single seat)	KISS 912 (1+1)	KISS 912 S	KISS 912 T
Cockpit width	0.8m (49")	0.8m (49")	0.8m (49")	0.8m (49")
Overall width	1.9m (86")	1.9m (86")	1.9m (86")	1.9m (86")
Length (airframe)	4.5m (193")	5.3m (193")	5.3m (193")	5.3m (193")
Height	2.8m (110")	2.8m (110")	2.8m (110")	2.8m (110")
Wheel Diameter (std.)	350mm (13")	350mm (13")	350mm (13")	350mm (13")
Empty weight (no options)	180 kg (396 lb)	210 kg (462 lb)	220 kg (484 lb)	230 kg (506 lb)
Max Payload	195 kg (429 lb)	220 kg (485 lb)	230 kg (507 lb)	220 / 320 kg (507 / 705 lb)
Max Take-off Weight (1)	375 kg (826 lb)	430 kg (947 lb)	450 kg (992 lb)	450 / 550 kg (992 / 1212 lb)
Powerplant	ROTAX 912 ULS	ROTAX 912	ROTAX 912 S	ROTAX 912 C.A. Turbo
Configuration	2 in line cylinders 2T	4 flat cylinders 4T	4 flat cylinders 4T	4 flat cylinders 4T
Power (5)	64hp* @ 6500 rpm	80hp* @ 5800 rpm	100hp* @ 5800rpm	122 / 135hp* @ 5800 rpm
Starter	Electric	Electric	Electric	Electric
Mechanical reducer	1 : 3.47 Type C	1 : 2.43	1 : 2.43	1 : 2.43
Intake	2 Carburetors	2 Carbs	2 Carbs	2 Carbs + turbo
Static Thrust	160 kg (352 lb)	190 kg (418 lb)	220 kg (485 lb)	280 kg (617 lb)
Fuel Capacity (standard)	50 Liter (13 gal)	50 Liter (13 gal)	50 Liter (13 gal)	50 Liter (13 gal)
Propeller 3 blades	DUC FC Windspoon	DUC FC Windspoon	DUC FC Windspoon	DUC FC Windspoon R
Diameter	1.72 m (68 ")	1.72 m (68 ")	1.72 m (68 ")	1.72 m (68 ")
Rotor 8H 12 - 200 mm	Aircraft aluminum	Aircraft aluminum	Aircraft aluminum	Aircraft aluminum
Diameter**	7.4m / 7.8m (24ft / 25ft)	8.2m / 8.4m / 8.6m (26ft / 27ft / 28ft)	8.4m / 8.6m (27ft / 28ft)	8.4m / 8.6m / 8.8m (27ft / 28ft / 29ft)
Rotor Surface Area	43m <sup>2</sup> / 47.75m <sup>2</sup> (462.8ft <sup>2</sup> / 514ft <sup>2</sup> )	52.8m <sup>2</sup> / 55.4m <sup>2</sup> / 58m <sup>2</sup> (568ft <sup>2</sup> / 596ft <sup>2</sup> / 624ft <sup>2</sup> )	55.4m <sup>2</sup> / 58m <sup>2</sup> (596ft <sup>2</sup> / 624ft <sup>2</sup> )	55.4m <sup>2</sup> / 58m <sup>2</sup> / 60m <sup>2</sup> (596ft <sup>2</sup> / 624ft <sup>2</sup> / 646ft <sup>2</sup> )
Pre-rotator	Clutch + flexible Capacity 300 rpm max 350 rpm	Clutch + flexible Capacity 280 rpm max 320 rpm	Clutch + flexible Capacity 280 rpm max 320 rpm	Clutch + flexible Capacity 250 rpm max 300 rpm
<b>Performance (2)</b>				
Minimum speed	25 km/h (16 kt)	30 km/h (16 kt)	30 km/h (16 kt)	30 km/h (16 kt)
Cruise speed (75 %)	120 km/h (65 kt)	125 km/h (67 kt)	140 km/h (75 kt)	160 km/h (86 kt)
Maximum speed (3)	170km/h (92 kt)	150 km/h (81 kt)	175 km/h (95 kt)	185 km/h (100 kt)
Vne	210 km/h (113 kt)	210 km/h (113 kt)	210 km/h (113 kt)	210 km/h (113 kt)
Rate of climb	600 ft/min	600 ft/min	1000 ft/min	1500 ft/min
Glide Ratio	3/1	3/1	3/1	3/1
Minimum distance T.O. (4)	150 m (490 ft)	120 m (390 ft)	100 m (328 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)	0 – 5 m (0-16 ft)
Operational ceiling	3000 m (9800 ft)	3000 m (9800 ft)	3000 m (9800 ft)	6000 m (19 700 ft)
Cruise fuel consumption	16 l/h	15 l/h	15 l/h	18 l/h
Endurance in hours	3	3,3	3,3	2,8
Theoretical max range	360 km	429 km	462 km	448 km

#### Price from:

1. KISS 582 ----- 24 900 €  
 2. KISS 912 (1+1) ----- 29 900 €  
 3. KISS 912 S ----- 35 000 €  
 4. KISS 912 T ----- 39 900 €

**Note: for full option list, we invite you to visit our website**  
**All price are subjected to change without prior notice, they are in Euro excluding tax.**

- (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 (IAS), to be corrected according conditions
- (4) Using standard pre-rotation protocols with experienced pilot on hard surface
- (5) RST France version limited to 122HP, 135HP and more with intercooler only.  
 \* Only with airbox.  
 \*\* Rotor diameter is advised regarding general flying conditions of the end user.

**YOUR DEALER**

## Celier Aviation

96-313 Jaktorów - Kolonia, Poland,  
 Nowowiejskiego 26A, tel/fax +48(46) 856-52-24  
[www.celieraviation.eu](http://www.celieraviation.eu)