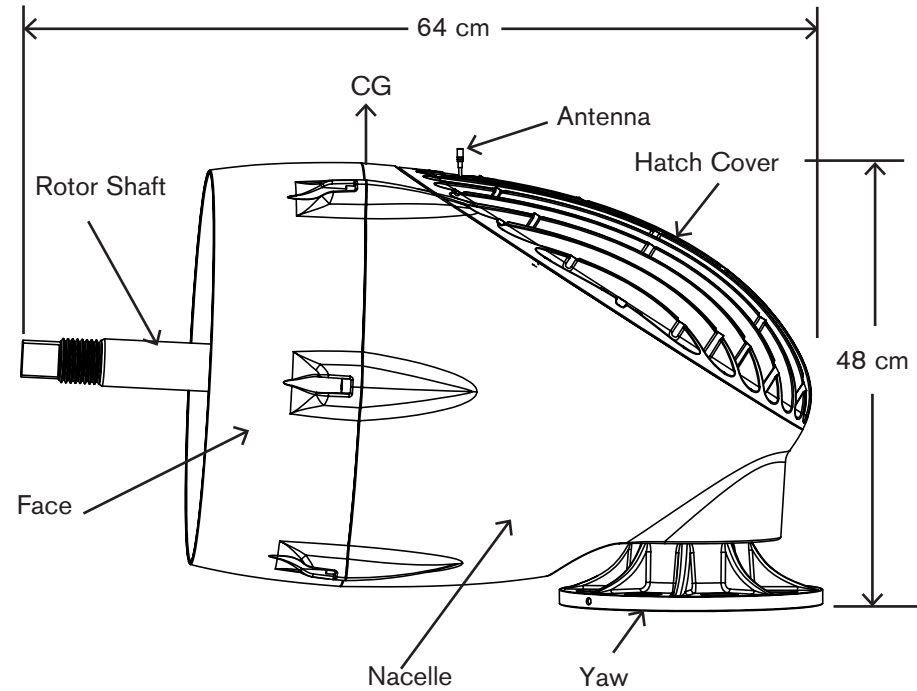


Skystream 3.7[®] Technical Specifications

Model	Skystream 3.7
Rated Capacity	2400 Watts
Weight	77 kg
Rotor Diameter	3.72 metres
Swept Area	10.87 m ²
Type	Downwind rotor with stall regulation control
Direction of Rotation	Clockwise looking upwind
Blades	3 Fiberglass reinforced composite
Rated Speed	50 - 330 rpm
Shutdown Speed	370 rpm
Tip Speed	9.7 - 63 m/s
Alternator	Slotless permanent magnet brushless
Yaw Control	Passive
Grid Feeding	230 Volt, 50 Hz, 1 Phase
Braking System	Electronic stall regulation w/redundant relay switch control
Cut-in Wind Speed	3.5 m/s
Rated Wind Speed	9 m/s
User Monitoring	Wireless 2 way interface remote system
Survival Wind Speed	63 m/s
Total Harmonic Distortion	2.7% at 2400W, meets UL1741 and IEEE1547.1 requirements IEC/EN 61000-3-2; Class A EU Limits; IEC 61400-21



Frequency Accuracy	+/- 0.05 Hz
Voltage Accuracy	+/- 2.0 V (line to neutral)
Surge Rating	IEEE 1547 Surge Rating B European Requirement IEC 61000-4-5
Sound Power Level	84.9 dBA at 18 mph / 8 m/s

Skystream 3.7® Technical Specifications (continued)

Voltage and Frequency Trip Points

Condition	Configuration				Units
	-04	-06	-07	-09	
Voltage Stop, minimum	207.0	184.0	194.0	184.0	Volts
Voltage Stop, maximum	264.0	276.0	266.0	264.5	Volts
Voltage Fast Stop, minimum	115.0	115.0	195.5	184.0	Volts
Voltage Fast Stop, maximum	276.0	277.0	264.5	276.0	Volts
Voltage Start, minimum	208.0	185.0	196.5	185.0	Volts
Voltage Start, maximum	254.0	275.0	263.5	252.0	Volts
Frequency Stop, minimum	47.0	49.3	49.5	47.5	Hz
Frequency Stop, maximum	50.5	50.3	50.5	50.2	Hz
Frequency Start, minimum	47.1	49.4	49.6	47.4	Hz
Frequency Start, maximum	50.4	50.2	50.4	50.1	Hz
Minimum Start Time after fault	180.0	180.0	180.0	180.0	Seconds
Configuration -04 = UK , -06 = Italy , -07 = France , -09 = Germany					

Tower Data (Loads calculated at 145 mph - 65 m/s)

Note: Loads do not include safety factor. Skystream Energy Europe recommends minimum safety factor of 1.5

Shaft Thrust	2802 N
Downward	932 N
Bending Moment	1532 N·m