

		<b>TECHNICAL SPECIFICATION</b>	
Issued by : R&D Dept		WEG type : PS-600KW 690V, 60Hz	
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**TECHNICAL SPECIFICATION :**

**ROTOR**

Diameter	47 m
Swept area	1735 m <sup>2</sup>
Rotational speed, rotor	28.9 RPM
Rotational direction	Clockwise (front view)
Orientation	Upwind
Number of blades	3
Aerodynamic brakes	Full feathering

**BLADES**

Length	22.9 m
Width (blade root/blade tip)	2.09 m/0.3 m
Twist (blade root/blade tip)	15° /0°
Weight, each approx.	1250 kg
Weight mounted with bearing (each) approx.	1500 kg

**TUBULAR TOWER**

Height	38.7 m / 48.3 m [50m Hub height]
Diameter at top	2.032 m
Diameter at bottom	3.015 m / 3.315 m

**WEIGHTS**

Tubular tower (excl. foundations bolts)	app. 32,600 kg / 42,000 kg
Lattice tower (excl. foundation bolts)	app. 28,000 kg / 38,000 kg
Nacelle	app. 17,300 kg
Rotor (incl. hub)	app. 7,000 kg
TOTAL (Tubular tower)	app. 56,900 kg / 66,300 kg
TOTAL (lattice tower)	app. 52,300 kg / 62,300 kg

**OPERATIONAL DATA :** (Rho = 1.225 kg/m<sup>3</sup>)

Cut-in wind speed :	4.0 m/s
Rated wind speed (600kW)	16.0 m/s
Cut-off wind speed :	25.0 m/s
Survival wind speed : 10 min. average	50.0 m/s
Survival wind speed : 5 sec. average	70.0 m/s