

Generator Type	Permanent magnets, asynchronous
Electronic control	Microprocessor based
Grid connection	Thyristors
Rated power	50 kW
Peak Power	60 kW
Power factor	0,9 cos f
Speed	1500rpm
Voltage/ Frequency	230/400 D/S – 50Hz (and others)
Gear	Planetary gear
Rotor	
Rotor Speed	80 rpm
Control Rotor	STALL
Diameter:	11,5 m
Number of blade:	3
Material of blade	EPOXY
Noise level Laeq:	<40dB
Nacelle:	Yawing by motor
Weight Nacelle:	App.1300kg
Brake Type:	Electromagnetic, electronic controlled
Mast Type:	Steel tube
Weight Mast:	app. 5000kg
Mast high:	24 m
Specification:	
Cut- in wind speed	3,5 m/s
Rated wind speed	14 m/s
Cut out wind speed	25 m/s
Survival wind speed	50 m/s
Pitch control	yes
Electricity mains connection	necessary

Performance diagram per year

**Manufacturers Guarantee: 5 years**

