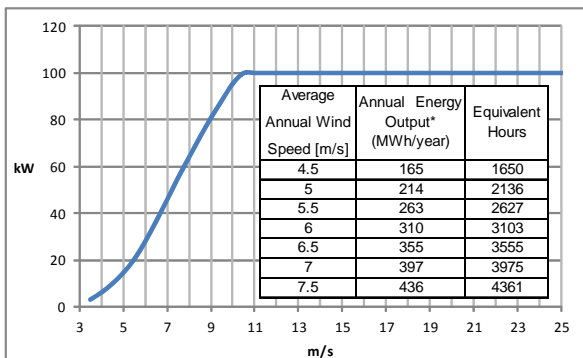


1	Rated power (kW)	100
	Rated wind speed (m/s)	9
	Cut in / out Speed (m/s)	3.5 / 20
	Wind direction	Downwind
	Wind class	IEC III
2	Operating temperature range	-20 ° C to 45 ° C
	ROTOR	Swivelling Single blade
	Material	Fibreglass / epoxy resin
	Turbined area (m ²) / Ratio m ² /kW	600 / 6
	Pitch	Variable
	Rotor Speed (rpm)	up to 55 rpm
	Max torque (kNm) / Thrust (kN)	21 / 24.3
	Turn direction	Clockwise (looking to downwind)
	Rotor height (m)	28
3	Weight (kg)	3200
	PENDULUM	
	Multiplication ratio	15.5
	Efficiency %	96
	Lubrication	Oil bath
	Generator	Squirrel-cage rotor
	Number of poles	8
	Voltage (V)	up to 500
	Frecuence (Hz)	50/60 Hz
	Proteccion class	IP 54
4	Thermal class	F
	Weight (kg)	2000
	Nacelle Weight (kg)	1800
	Weight over tower (kg)	7000
	Tower weight (kg)	9900
	Total structure weight (kg)	16900
	Electrical cabinet (kg)	900
	Sound power level dB (A)	72

ELECTRIC POWER STD CONDITIONS

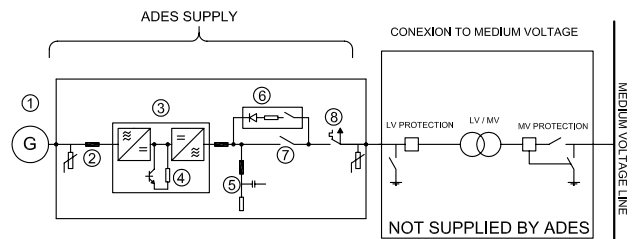
Clean Blade - $\rho = 1,225 \text{ kg/m}^3$



Tolerance $\pm 3\%$

*Annual energy production estimates assumes a Rayleight wind distribution, standard conditions, no transmission losses and 100% availability.

UNIFILAR SCHEME



- ① SQUIRREL CAGE GENERATOR
- ② dV/dt FILTER
- ③ POWER CONVERTER
- ④ CHOPPER BREAKER
- ⑤ GRID FILTER
- ⑥ PRE-CHARGING UNIT
- ⑦ MAINS CONTACTOR
- ⑧ MAINS CIRCUIT BREAKER

In comply with Operating Procedure for Voltage Dips and EMC