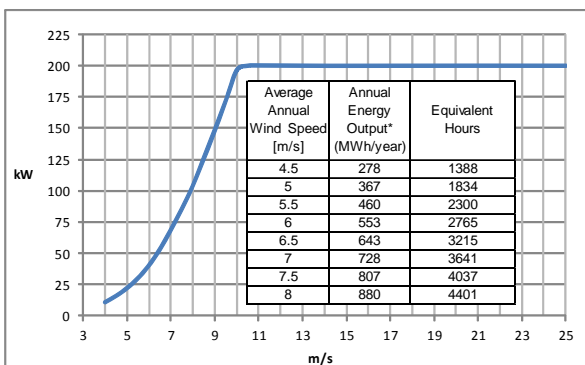


1	Rated power (kW)	200
	Rated wind speed (m/s)	11
	Cut in / out Speed (m/s)	4 / 25
	Wind direction	Downwind
	Wind class	IEC II
Operating temperature range		-20 ° C to 45 ° C
2	ROTOR	Swivelling Single blade
	Material	Fibreglass / epoxy resin
	Turbined area (m ²)	880
	Pitch	Variable
	Rotor Speed (rpm)	up to 46
	Max torque (kNm) / Thrust (kN)	47 / 36
	Turn direction	Clockwise (looking to downwind)
	Rotor height (m)	36
Weight (kg)		3.550
3	PENDULUM	
	Multiplication ratio	33
	Efficiency %	94
	Lubrication	Oil bath
	Generator	Squirrel-cage rotor
	Number of poles	4
	Voltage (V)	400
	Frecuence (Hz)	50 / 60 Hz
	Proteccion class	IP 54
	Thermal class	F
Weight (kg)		7.800
4	Nacelle Weight (kg)	3.250
5	Weight over tower (kg)	14.600
6	Tower weight (kg)	16.500
7	Total structure weight (kg)	31.100
8	Electrical cabinet (kg)	1.100

ELECTRIC POWER STD CONDITIONS

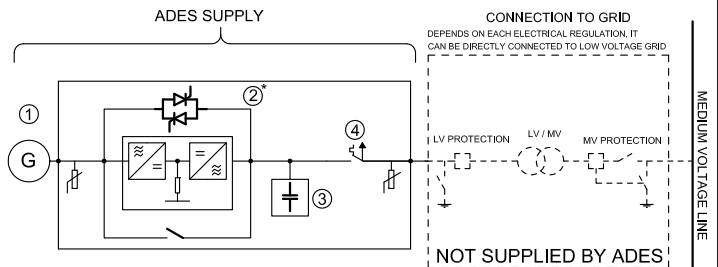
Cleand Blade - $\rho = 1,225 \text{ kg/m}^3$



Tolerance $\pm 3\%$

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

UNIFILAR SCHEME



① SQUIRREL CAGE GENERATOR

②* (OPTIONAL ON REQUEST) : To comply operating procedure for Voltage Dips and EMC
LVRT COMPENSATOR

③ REACTIVE POWER COMP.

④ MAINS BREAKER