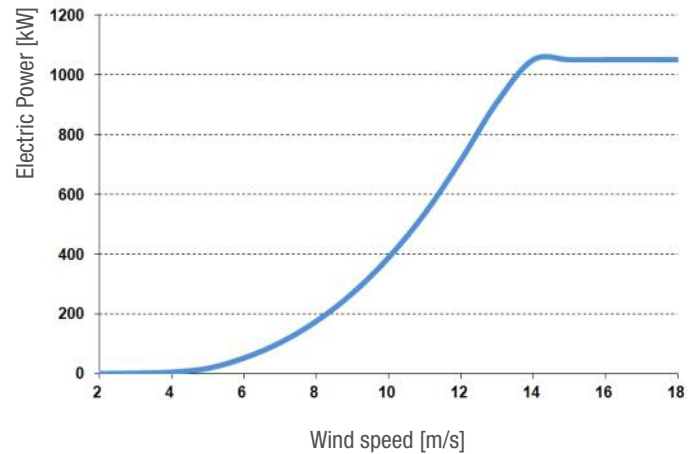
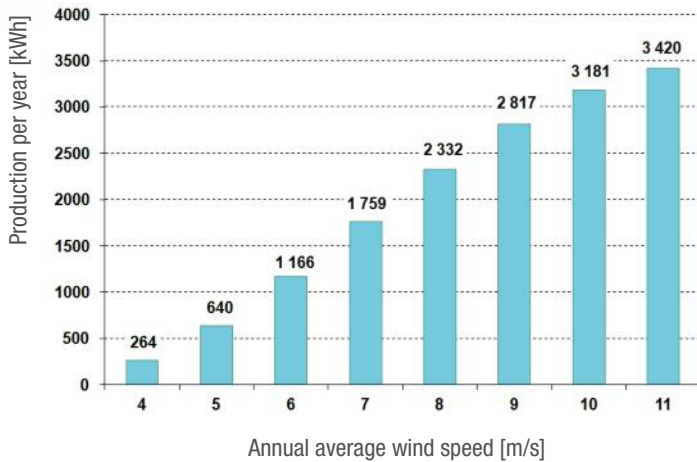


SILENT 1000

“ No wind is favorable for those who do not know where to go, but for us that we know, even the breeze will be invaluable ”
Rainer Maria Rilke

EFFICIENCY



The production of energy takes account of a probability of wind calculated by a Rayleigh distribution, determined by the value of the average wind speed and the Weibull shape factor equal to 2.

CHARACTERISTICS

Rotor

External diameter: 1,2 mt
Height: 2,7 mt
Material: ABS

Generator

Type: permanent magnet synchronous
Power: 1,1 kW @ 160RPM
Output: three phase 400V

Inverter

Power: 1 kW
Connection: single-phase 230V
Strategy: MPPT
Certification: CEI 0-21

Safety brake

Type: drum
Drive: manual

Environmental conditions

Operative temperature: -20 / +50 C
Relative humidity: 0/90%
Resistance in saline environment: excellent
Resistance to sand: excellent

Performances

Cut in wind: 3 m/s
Cut out wind: 25 m/s
Wind rating: 12 m/s
Nominal electrical power: 1 kW
Maximum Wind: 45 m/s
Class: IV IEC 61400-2
Acoustic emission: < 50 dbA

Switchboard

Protection: IP65



Engineering solutions for renewable energy systems

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