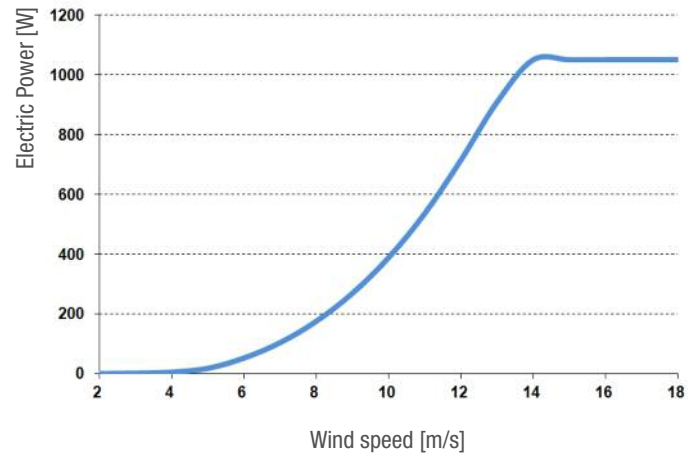
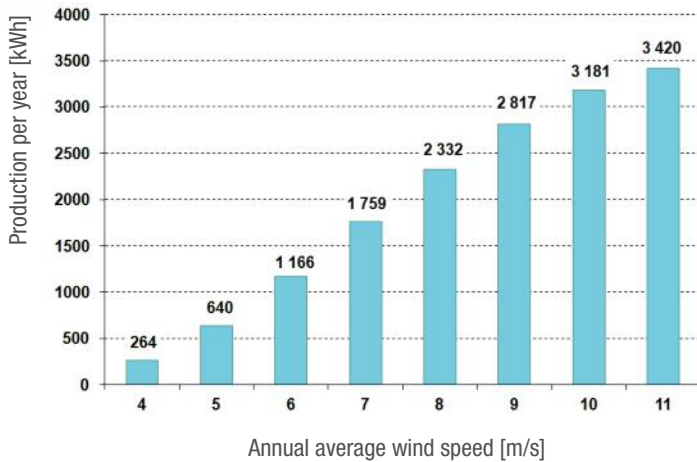


# SILENT 1000

“ 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

### WindUp srl

23900 **Lecco** Via Carlo Torri Tarelli 31  
☎ 0341.361004 | 📠 0341.285551

[www.windup.eu](http://www.windup.eu)

[windupsrl@legalmail.it](mailto:windupsrl@legalmail.it)

