

Datasheet
Reyah – V5

State of Art Award-winning Technology

















ROTOR

Rotor diameter:

3.75m

OPERATING DATA

Wind class:

IEC III A / IEC S

TOWER

Hub heights:

8m-12m

BLADE

Material: Reinforced

Fiberglass

GENERATOR

Voltage: 220/380V Type: A permanent

magnet synchronous

generator



Technical Specifications

Taqena's vertical wind turbine Reyah- V5 is a small-scale onshore wind turbine that is designed open the door for small scale wind industry around the globe. With 5-meter-long blades, the 5KW REYAH V5 enables Residential, Commercial and Industrial sectors to benefit out of this cutting-edge technology.

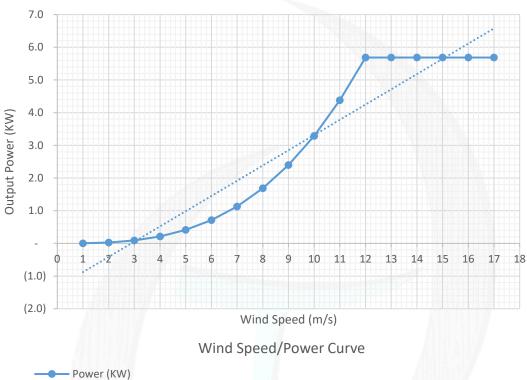
Model	Reyah V5
Rated power	5KW
Max power	5.5KW
Generator Voltage	360v A.C.
Frequency	50Hz/60Hz
Start-up wind speed	2.3 m/s
Rated wind speed	12 m/s
Survival wind speed	35 m/s
Wheel Height	4.0 m
Wheel diameter	3.6 m
Top net weight	325 kg

Generator and	Three phase permanent
Magnet	magnet ac synchronous
	generator- NdFeB
Generator case	Carbon steel
Control system	Electromagnet/wind wheel
Speed regulation	Electronically controlled
Tower height (m)	Monopole Tower 8-12 m
Rated Rotation	150 rpm
Speed	
Design Lifetime	20 Years*
Number of	3/5 blades
blades	
Working	-10°C to 65°C
Temperature	
Blades material	Reinforced composite
	fiberglass

^{*} Under the condition of implementing regular maintenance



Wind Speed/Power Curve



Power (KW)

Linear (Power (KW))