

## 10V - 5KW REYAH



Taqena's 10V - 5KW REYAH is a small-scale onshore wind turbine that is designed open the door for small scale wind industry around the globe. With 2.6-meter-long blades, the 10V - 5KW REYAH enables small farms, houses to benefit out of this cutting-edge technology.



### OPERATING DATA

Wind class:  
IEC III A / IEC S



### ROTOR

Rotor diameter:  
5.6m



### GENERATOR

Voltage: 240V  
Type: A permanent magnet synchronous generator



### TOWER

Hub heights:  
8m-12m



### BLADE

Material:  
Reinforced Fiberglass

### Technical Specifications

Model	Reyah 5	Generator and Magnet	Three phase permanent magnet ac synchronous generator- NdFeB
Rated power	5KW	Generator case	Carbon steel
Max power	5.5KW	Control system	Electromagnet/wind wheel
Rated Voltage	240V	Speed regulation	Electronically controlled
Frequency	50Hz	Tower height (m)	Monopole Tower 8-12 m
Start-up wind speed	3 m/s	Rated Rotation Speed	260 rpm
Rated wind speed	10 m/s	Design Lifetime	20 Years
Survival wind speed	50 m/s	Number of blades	3 blades
Top net weight	285 kg	Blades material	Reinforced composite fiberglass
Wheel diameter	5.6 m		

### Wind Speed/Power Curve

