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Datasheet

Reyah – H40

State of Art
Award-winning Technology

ROTOR

Rotor diameter: 14m

OPERATING DATA

Wind class: IEC III A / IEC S

TOWER HEIGHT

Hub heights: 15m-30m

BLADE

Material: Reinforced Fiberglass

GENERATOR

Voltage: 200-600V
Type: Permanent magnet synchronous generator

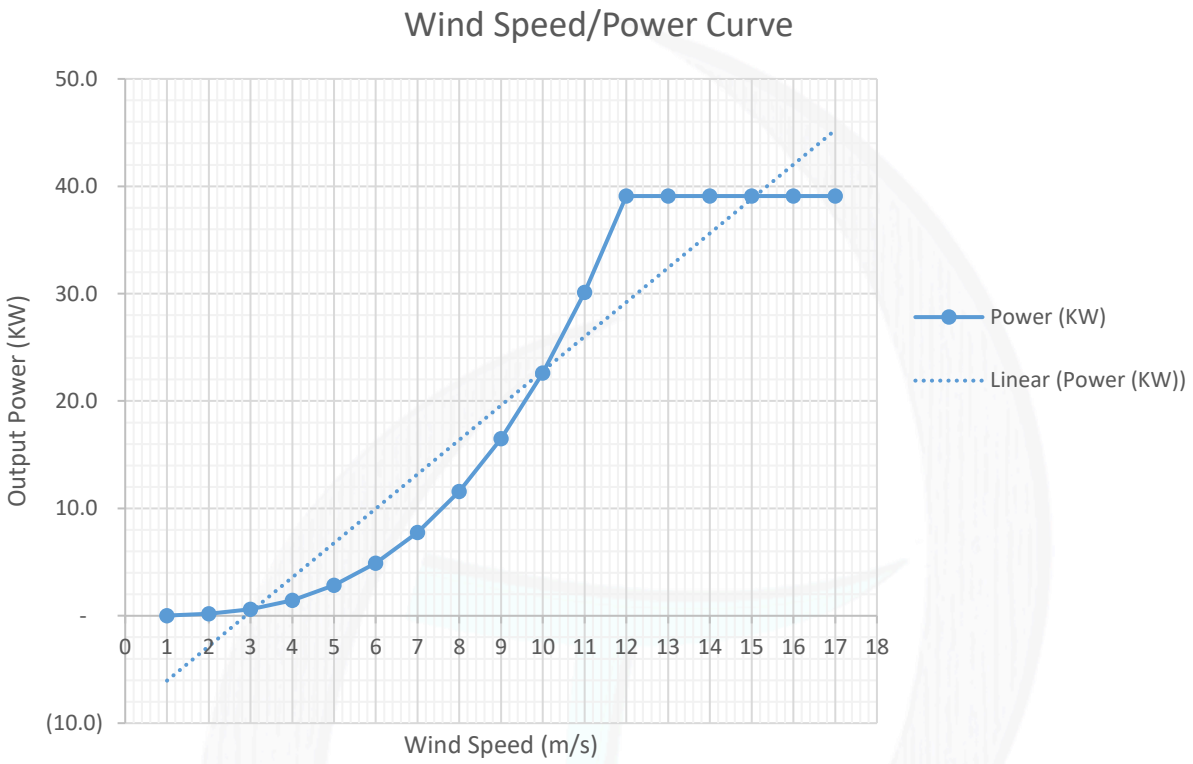
Technical Specifications

Taqena's Horizontal wind turbine Reyah- H40 is a medium-scale onshore wind turbine that is designed open the door for small scale wind industry around the globe. With 6.75-meter-long blades, the 40KW Reyah- H40 enables Commercial and Industrial sectors to benefit out of this cutting-edge technology.

Turbine model	Reyah H40	Noise level acc. to PN-EN61400-11	< 46 dB at 9 m/s in the distance of 40 m
Rated power	40KW	Generator and Magnet	Three phase permanent magnet ac synchronous generator- NdFeB
Max power	45KW	Generator case	Carbon steel
Start-up wind speed	2.1 m/s	Control system	Electromagnet/wind wheel
Rated wind speed	12 m/s	Speed regulation	Electronically controlled
Survival wind speed	35 m/s	Tower height	Monopole Tower 15-30 m
Rated rotational speed	160 RPM	Wind class	Class III/ Class III
Generator voltage range	220-600 Volt A.C. – 3 Phase	Design Lifetime	20 years*
Frequency range	0 - 50 Hz	Starting torque	17N.m
Speed regulation method	Yaw	Working Temperature	-10°C to 65°C
Wheel diameter	14 m	Blades material	Reinforced composite fiberglass
Number of blades	3	Top net weight	1800 kg

* Under the condition of implementing regular maintenance

Wind Speed/Power Curve



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