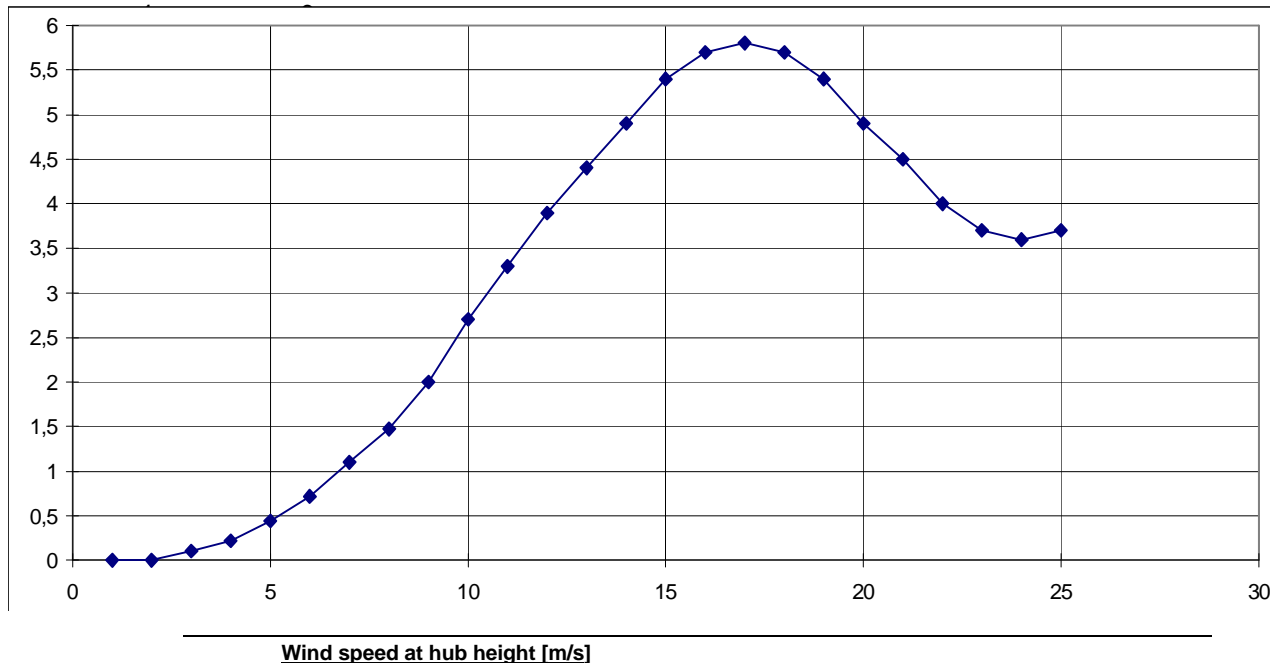




Fortis' Montana (5000)

Rated capacity (kW)



Type	Fortis Montana
Manufacturer	Fortis
Rated Power	5800 Watt
Output (10m/s)	2700 Watt
Rotor Diameter	5 m
Hub height	18 m Mast:

Rotor with fixed pitch	
Type	Upwind rotor with fixed pitch
Direction of rotation	clockwise
Number of blades	3
Length of blades	2,35 m
Swept area	19,63 m ²
Profile	NACA 4415
Manufacturer	Fortis
Blade material	Fiberglass-reinforced epoxy
Rated speed	variabel,max450 rpm
Rotor axis angle	10 ⁰
Cone angle	0 ⁰

Generator and hub	
Pitch control	fixed pitch
Hub	Rigid
Generator	Permanent Magnet Sycrom Machine
Grid feeding	1 x 230V by inverter
Break systems	Ecliptic safety system by inclined hinged vane 90° setting of tail short circuit of generator
Yaw control	Passive Aligned by Tail Vane
Tower	Various types of towers designed for different sites
Weight tower head	200 kg