

5000W Horizontal Wind Turbines MS-WT5000



Product features:

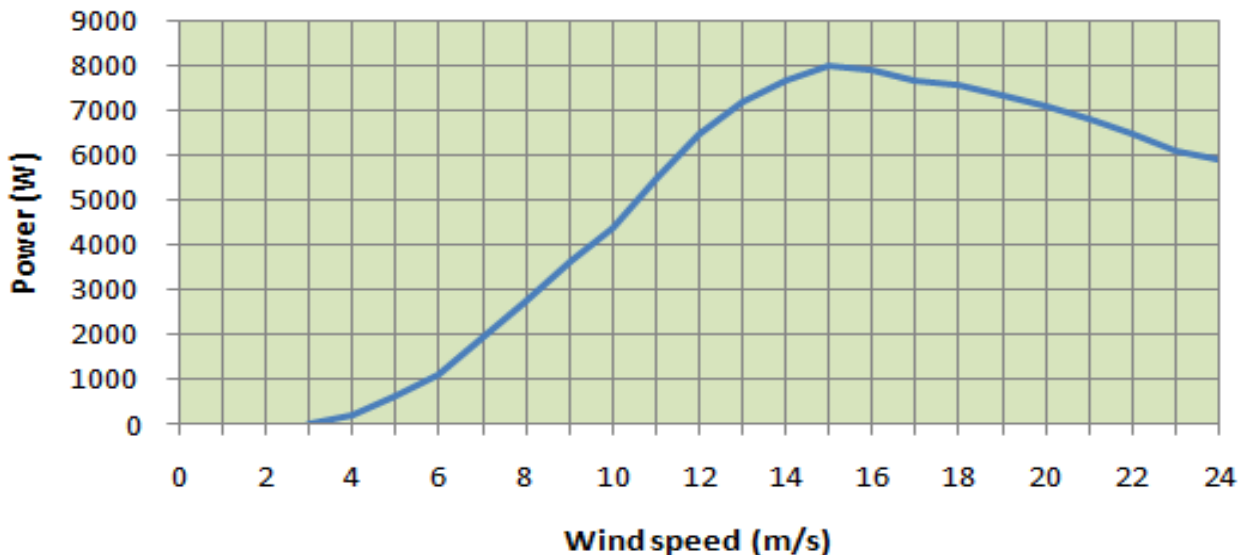
- Excellent power output performance during the common wind speed between 5m/s and 9m/s
- High efficient synchronized PMG generator with low starting torque
- Lower RPM rotational speed avoid the risk of over speed malfunction and bring lower noise emission
- Dual brake protection systems as reliable passive self-furling and electromagnetic brake
- Equipped with high quality NSK brand sealed bearing
- Long lifespan design by using superior aluminum alloy and cast steel in accurate die-casting tech and the anti-corrosion treatment for all kinds of circumstances.

Technical Specification:

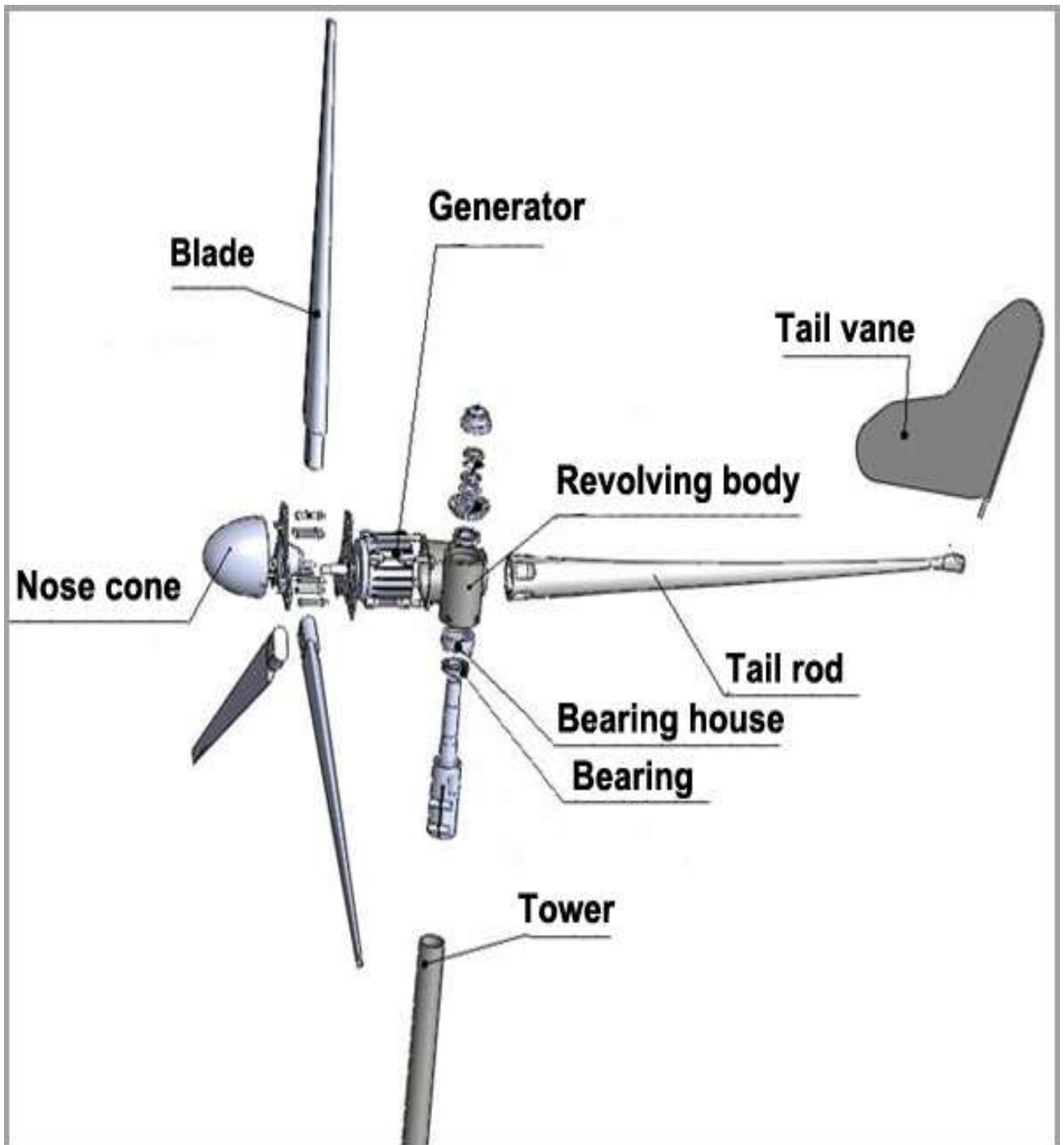
Performance	
Rated power	5000W @10.5m/s
Peak power	8000W
Start-up wind speed	3m/s
Working wind speed	3.5-25m/s
Survival wind speed	40m/s
Rotor	
Rotor diameter	5m
Swept area	19.63m ²
Blade	3pcs reinforced fiber glass
Blade length	250cm
Shell material	precision steel
Rated RPM	260
Weight	310KG
Others	
Generator type	3-phase AC PMG
Speed regulation & protection	yawing + electromagnetic brake + manual brake
Rated voltage	DC 48-360V
Suggested battery capacity	8pcs 250AH/12VDC
Tower type	9m guyed cable / 12m free standing
Working temperature	-40-60°C

2. Power Curve:

MS-WT5KW Power curve



3.Structure







4.Turbine Flange Drawing

