

MITSUBISHI WIND TURBINE GENERATOR

MWT62/1.0 (MWT-1000A)



Technical Data

Operation Data

Cut-in	3.0 m/s
Rated	12.5 m/s
Cut-out	25.0 m/s
Wind Class	IEC Class II A

Rotor

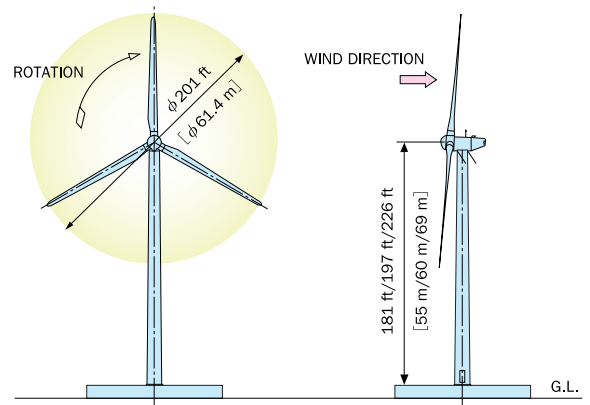
Diameter	61.4 m
Swept Area	2,960 m ²
Rotational Speed	19.8 rpm
Blade Length	29.5 m
Aerodynamic Brake	Blade Feathering

Generator

Type	Induction Generator (4 Pole Type)
Rated Power	1,000 kW
Voltage	690 V/600 V (50 Hz/60 Hz)
Frequency	50 Hz/60 Hz

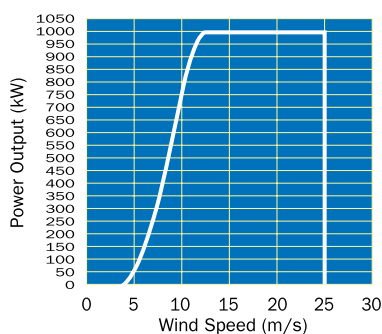
Tower

Hub Height	50 m/60 m/69 m
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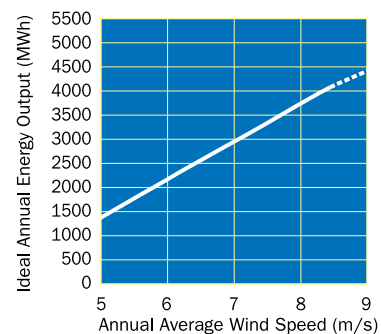
Impressive Performance

Power Curve



- Air Density: 1.225 kg/m³
- Wind conditions with 10% turbulence
- Calculated at the output of inverter

Ideal Annual Energy Production and Capacity Factor



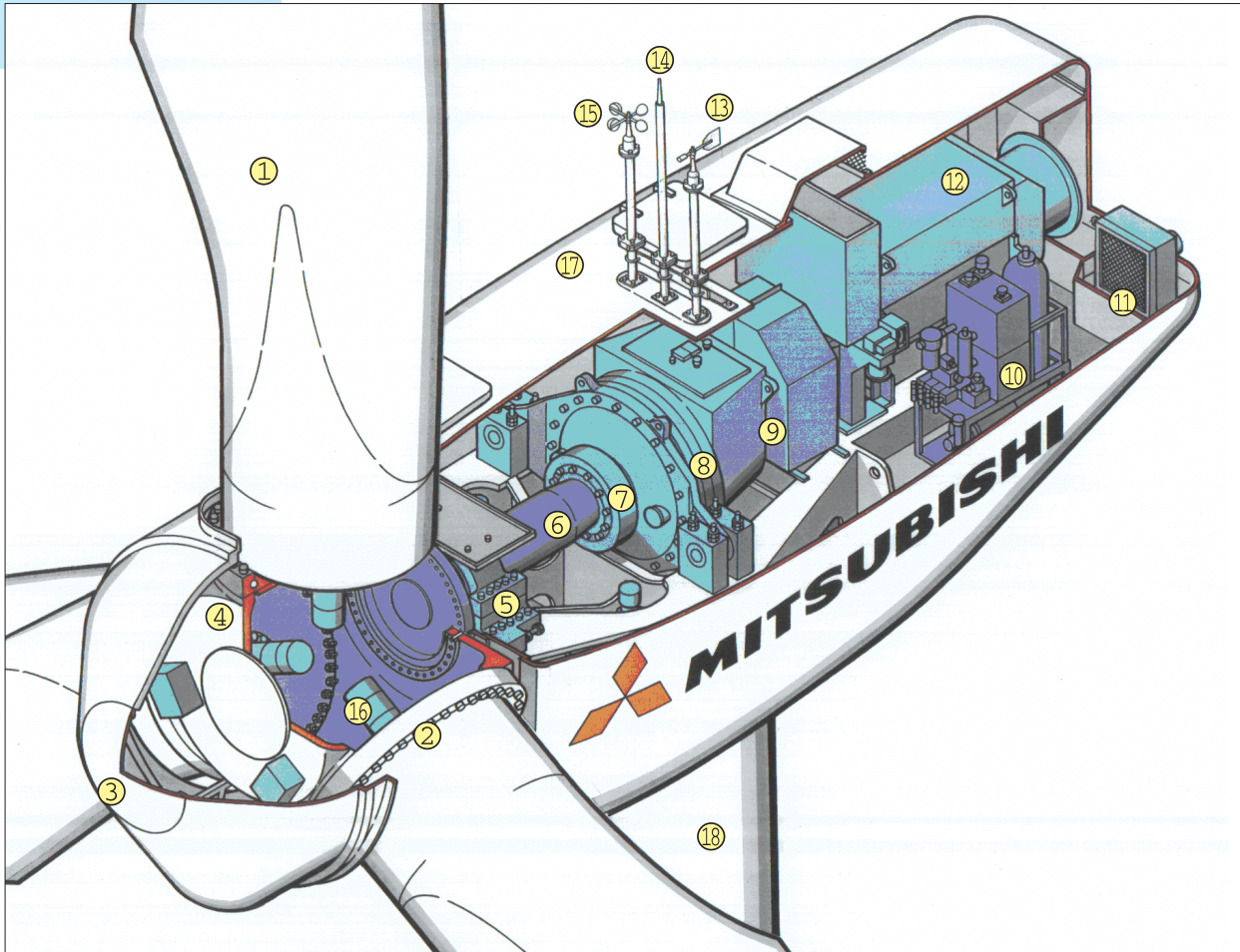
- Calculated on Rayleigh distribution
- Calculated at the output of inverter
- Site conditions may vary capacity factor

Superior Technology for A Brighter Future

MITSUBISHI WIND TURBINE GENERATOR

MWT62/1.0 (MWT-1000A)

- High performance in moderate wind speed area (IEC Class IIA)
- Proven Reliability



Schematic Diagram

- | | | | |
|-----------------|-------------------------|--------------------------|-------------------------------|
| ① Blade | ⑥ Main Shaft | ⑪ L.O. Cooler (with Fan) | ⑮ Hydraulic Pitch Link System |
| ② Blade Bearing | ⑦ Coupling (Low Speed) | ⑫ Generator | ⑰ Nacelle |
| ③ Front Capsule | ⑧ Gear Box | ⑬ Wind Vane | ⑱ Tower |
| ④ Rotor Head | ⑨ Coupling (High Speed) | ⑭ Lightning Rod | |
| ⑤ Main Bearing | ⑩ Hydraulic Unit | ⑯ Anemometer | |



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