TECHNICAL DATA FOR V100-1.8 MV

Power regulation: pitch regulated with variable speed

Operating data
- Rated power: 1,800 kW
- Cut-in wind speed: 4 m/s
- Rated wind speed: 12 m/s
- Cut-out wind speed: 20 m/s
- Wind Class - IEC: IEC S (IEC IIIA average wind and IEC IIA extreme wind)
- Max. altitude: 1,500 m
- Operating temperature range: standard range -20°C to 40°C, low temperature option: -30°C to 40°C

Main dimensions
- Blade: Length 49 m, Max. chord 3.9 m
- Nacelle: Height for transport 4 m, Height installed 5.4 m, Cover height 3.5 m, Length 10.4 m, Width 3.4 m
- Tower: Hub heights 80 and 95 m, Max. section length 24.6 m, Max. diameter 4.2 m
- Hub: Max. diameter 3.3 m, Max. width 4 m, Length 4.2 m
- Max. weight per unit for transportation: 70 metric tonnes

Sound power (at standard air density 1,225 kg/m³)
- 5 m/s: 95 dB(A)
- 6 m/s: 95 dB(A)
- 7 m/s: 97.9 dB(A)
- 8 m/s: 101.2 dB(A)
- 9 m/s: 104.1 dB(A)
- 10 m/s: 106.5 dB(A)
- 11 m/s: 106.5 dB(A)

Rotor
- Rotor diameter: 100 m
- Swept area: 7,850 m²

Electrical
- Frequency: 50 Hz/60 Hz
- Generator type: asynchronous with wound rotor, slip rings

Power curve V100-1.8 MW

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