## TECHNICAL DATA FOR V112-3.0 MW

### Power regulation
- Pitch regulated with variable speed

### Operating data
- **Rated power**: 3,000 kW
- **Cut-in wind speed**: 3 m/s
- **Rated wind speed**: 12 m/s
- **Cut-out wind speed**: 25 m/s
- **Wind Class - IEC**: IIA/IIIA
- **Max. altitude**: 1,500 m
- **Operational temperature range**: standard range -20°C to 40°C, low temperature option -30°C to 40°C

### Sound power
- 7 m/s: 100 dB(A)
- 8 m/s: 102.8 dB(A)
- 10 m/s: 106.5 dB(A)
- By 95% rated power: 106.5 dB(A)

### Rotor
- **Rotor diameter**: 112 m
- **Swept area**: 9,852 m²

### Tower
- **Type**: tubular steel tower
- **Hub heights**: 84, 94 and 119 m

### Electrical
- **Frequency**: 50 Hz/60 Hz
- **Converter type**: full scale converter
- **Generator type**: permanent magnet generator

### Main dimensions

#### Blade
- **Length**: 54.6 m
- **Max. chord**: 4 m

#### Nacelle
- **Height for transport**: 3.3 m
- **Height installed**: 3.9 m
- **Width**: 3.9 m
- **Length**: 14 m

#### Tower
- **Max. section length**: 32.5 m
- **Max. diameter**: 4.2 m

#### Hub
- **Height**: 3.9 m
- **Diameter**: 3.2 m
- **Max. weight per unit for transportation**: 70 metric tonnes

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This product will not be available for delivery in the USA before spring 2011 and in Canada before spring 2012.

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