THE NEW 5S

- The ongoing reduction of energy costs will be continued with this platform
- Transport optimisation through segmented design of components
- Thirty years of experience using permanent magnet technology
- Low-wear and low-maintenance rotor blade pitch system
- Joint development with Goldwind

VENSYS 155
6.2 MW
### Operating data
- **Rated power**: 6.2 MW
- **Cut-in wind speed**: 3 m/s
- **Cut-out wind speed**: 25 m/s
- **Operating temperature**: -20 °C to +40 °C *De-rating possible from 30 °C

### Sound power level
- Optimized for maximum performance <106.0 dB(A)
- (Sound-optimised operating modes available)

### Rotor
- **Diameter**: 155.0 m
- **Swept area**: 18,869 m²
- **Rotational direction**: Clockwise
- **Rated speed**: 9.1 rpm
- **Blade type**: EBT 75.7
- **Power control**: Pitch
- **Primary braking system**: Single-blade adjustment, triple redundant

### Generator
- **Type**: Synchronous generator with permanent magnet excitation
- **Construction type**: Direct drive

### Yaw system
- **Construction principle**: Geared electric motors
- **Braking system**: Hydraulic brake calipers

### Converter
- **Type**: IGBT full power converter
- **Frequency**: 50 Hz / 60 Hz

### Tower
- **Hub heights**: 102.5m | 122.5m | 152.5 m
- **Material**: Segmented steel tube tower /
  Hybrid tower (concrete / steel)

### Wind class
- **IEC II A**

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**POWER CURVE**

**VENSYS 155**

<table>
<thead>
<tr>
<th>Wind speed [m/s]</th>
<th>AEP [MWh]</th>
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Specifications subject to change without prior notice | September 2019