### Design data

- **Nominal power**: 6,150 kW (MV-side)
- **Cut-in wind speed**: 3.5 m/s
- **Nominal wind speed**: 12 m/s
- **Cut-out wind speed**: 25 m/s
- **Restart cut-in wind speed**: 20 m/s
- **Operating temperature range**: -20 – +35 °C
- **Hub height**: 121 – 124 m
- **Rotor diameter**: 152 m
- **Rotor area**: 18,146 m²
- **Rotor speed**: 6.4 – 10.1 1/min (+15 %)
- **Power control**: Electrical pitch

### Certification

- **Hub height**
  - 121 – 124 m: IEC S, DiBt Wind zone WZ 4
  - 97 – 100 m: IEC S

### Weight

- **Rotor blade**: Approx. 25.5 t
- **Nacelle**: Approx. 350 t
- **Rotor Hub**: Approx. 82 t

### Electrical system

- **Nominal power**: 6,150 kW (MV-side)
- **Nominal voltage**: 20/30/33 kV
- **Nominal frequency**: 50 Hz
- **Generator**: Double-fed-induction generator
- **Generator protection class**: IP 54
- **Stator voltage**: 6.6 kV
- **Nominal speed**: 1,170 1/min
- **Speed range**: 750 – 1,170 1/min
- **Converter type**: Pulse width modulation IGBTs (liquid-cooled)
- **Transformer**: ITS (Drei-Wicklungen-Gießharztransformator)

### Sound power level

- **Maximum sound power level**: 109 db (A)

### Power curve

- **Electrical power (kW)**
  - Wind speed at hub height (m/s)
  - 7,000 kW at 26 m/s
  - 6,000 kW at 22 m/s
  - 5,000 kW at 18 m/s
  - 4,000 kW at 14 m/s
  - 3,000 kW at 10 m/s
  - 2,000 kW at 6 m/s
  - 1,000 kW at 2 m/s

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