PRODUCT BENEFITS

- Lower repair and maintenance costs through high-quality and durable components.
- Fully encapsulated generator cooling system with air-to-air heat exchangers.
- High-quality permanent magnets for a higher energy yield.
- Low-wear and low-maintenance blade pitch system with toothed belt drive.
VENSYS 115

4.1 MW

Operating data
Rated power 4.1 MW
Cut-in wind speed 3 m/s
Cut-out wind speed 25 m/s
Operating temperature –20°C to +40°C

Sound power
Optimized for maximum performance 104.9 dB(A)
(Sound-reduced operating modes available)

Rotor
Diameter 114.95 m
Swept area 10,378 m²
Rotational direction Clockwise
Rated speed 12.3 rpm
Blade type EB 56.0
Power control Pitch
Primary braking system Single-blade adjustment, triple redundant
Holding brake Hydraulic with locking bolt

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 72 m | 92.5 m | 100 m
Material Steel tube

Design
All hub heights IEC IIA

POWER CURVE VENSYS 115

<table>
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<th>Wind speed (m/s)</th>
<th>AEP (MWh)</th>
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