VENSYS

TECHNICAL DATA

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

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	115 m
Swept area	10,378 m²
Rotational direction	Clockwise
Rated speed	12.3 rpm
Blade type	EBT 56
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

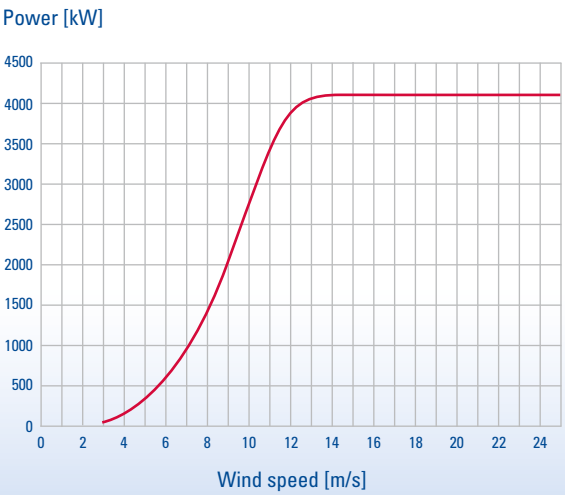
67.5 m | 72.5 m | 92.5 m	Steel tube tower
119 m	Segmented steel tower

Wind class

Hub heights 67.5 m | 72.5 m | 92.5 m	IEC IIA
Hub height 119 m	IEC IIIA

POWER CURVE VENSYS 115

ø Wind speed [m/s]	AEP [MWh]
5.0	5,599.1
5.5	7,115.9
6.0	8,699.4
6.5	10,300.8
7.0	11,880.0
7.5	13,406.2
8.0	14,856.1
8.5	16,212.2



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