

PRODUCT BENEFITS

- ▼ Dispensing with a gearbox means lower repair and maintenance costs and a higher yield.
- ▼ High-quality permanent magnets prevent electrical excitation losses, which additionally increases the energy yield.
- ▼ The air-cooling system used for the generator and the VENSYS frequency converter saves on additional components, cooling agents and maintenance work.
- ▼ The blade pitch system with a toothed belt drive is resistant to wear and requires little maintenance.

A detailed 3D rendering of a wind turbine nacelle, showing the internal components and the three blades. The nacelle is white with a blue triangle logo on the side. The blades are also white with blue accents. The background is a light blue gradient with a subtle grid pattern.

VENSYS 70

2.1 MW

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2.1 MW



Operating data

Rated power	2.1 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 104.7 dB(A)
(Sound-reduced operating modes available)

Rotor

Diameter	71 m
Swept area	3,959 m ²
Rotational direction	Clockwise
Blade type	EBT 34.3
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 57.4 m | 64.4 m | 84.4 m Steel tube tower

Wind Class

Hub heights 57.4 m | 64.4 m | 84.4 m IEC IIA

POWER CURVE VENSYS 70

Ø Wind speed m/s	AEP [MWh]
5.0	2,254.4
5.5	2,932.1
6.0	3,665.0
6.5	4,429.3
7.0	5,203.0
7.5	5,967.3
8.0	6,707.1
8.5	7,410.0

Power (kW)

