

EFFICIENCY ON A NEW LEVEL

E-175 EP5 E1

6,000 kW



TECHNICAL DATA

E-175 EP5 E1

Last updated: 08/2026.
Technical information subject to change.

GENERAL

Nominal power	6,000 kW
Yield Optimised Mode	6,300 kW
Wind class (IEC)	IEC S / IEC IIA*
Wind zone (DIBt)	WZ 2 GK II / WZ 3*
Turbine concept	gearless, variable speed, full power converter
Design service life	25 years
Cut-in wind speed	2.0 m/s
Cut-out wind speed	25 m/s
Extreme wind speed at hub height (3-s-gust)	59.5 m/s
Normal operating temperature range	-20 °C to +40 °C
Grid feed/ control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	106.5 (6,000 kW) / 107.5 dB(A)*(6,300 kW) Yield and noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	175 m
Type	upwind rotor with active pitch control

TOWER

	IEC S	IEC IIA
Hub height	112 m 132 m 162 m	112 m

* depending on hub height



More information
and technical details
are available online.

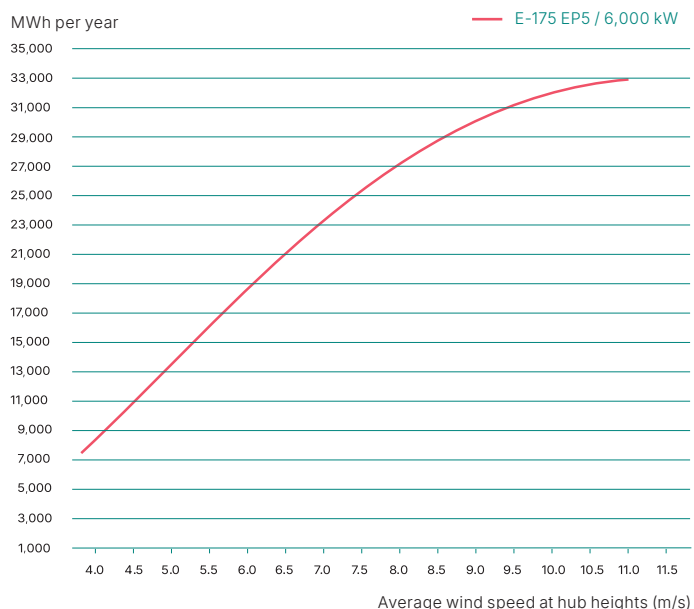
GENERATOR

Type	directly-driven, multi-pole synchronous generator (PMG)
Cooling system	air cooling system

FEATURES

	STANDARD	OPTIONAL
ENERCON SCADA Edge	•	
FACTS & Transmission	•	
ENERCON SCADA FCU - Basic	•	
Yield Optimised Mode	•	
ENERCON Shadow Shutdown		•
ENERCON SCADA Bat Protection		•
Blade Heating & Ice Detection		•
Automatic Fire Extinguishing System		•
Aviation Lights (ADLS)		•
ADLS Interface & Hardware		•
3 rd Party Customer Systems Interface		•
Lower-Emission Steel Tower		•

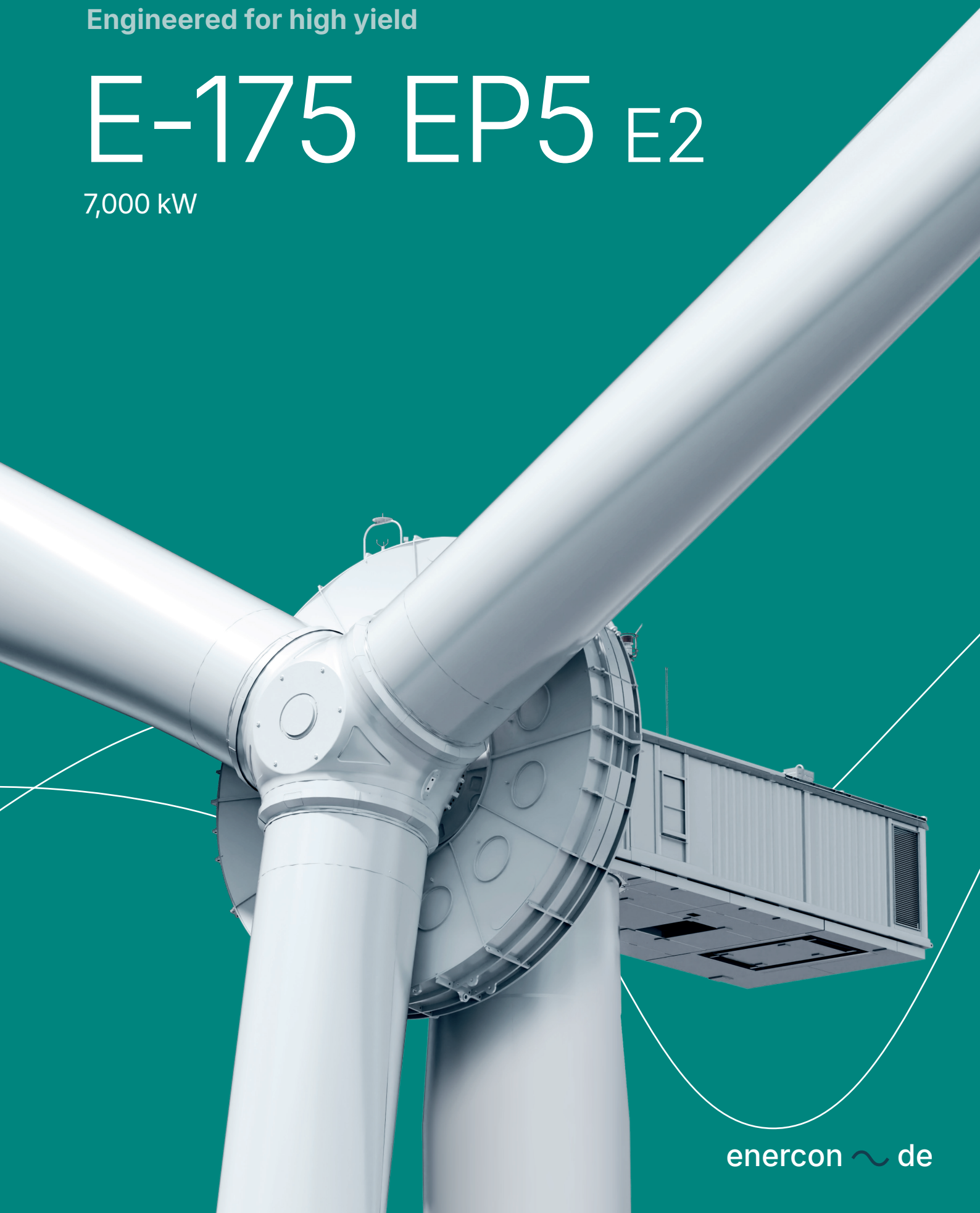
ANNUAL ENERGY YIELD



Engineered for high yield

E-175 EP5 E2

7,000 kW



TECHNICAL DATA

E-175 EP5 E2

Last updated: 08/2026.
Technical information subject to change.

GENERAL

Nominal power	6,000 kW / 7,000 kW
Yield Optimised Mode	-
Wind class (IEC)	IEC S / IEC IIA*
Wind zone (DIBt)	WZ S / WZ 2*
Turbine concept	gearless, variable speed, full power converter
Design service life	25 years
Cut-in wind speed	2.5 m/s
Cut-out wind speed	25 m/s
Extreme wind speed at hub height (3-s-gust)	59.5 m/s
Normal operating temperature range	-20 °C to +40 °C
Cold climate operating temperature	-30 °C to +40 °C
Grid feed/ control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	106.9 dB(A)* Yield and noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	175 m
Type	upwind rotor with active pitch control

TOWER

	IEC S	IEC IIA	IEC IIIA
Hub height	112 m	112 m	140 m
	132 m		
	140 m		
	162 m		
	175 m		

* depending on hub height



More information
and technical details
are available online.

GENERATOR

Type	directly-driven multi-pole synchronous generator (PMG)
Cooling system	air cooling system

FEATURES

	STANDARD	OPTIONAL
ENERCON SCADA Edge	•	
FACTS & Transmission	•	
ENERCON SCADA FCU - Basic	•	
Yield Optimised Mode (only 6,000 kW)	•	
ENERCON Shadow Shutdown		•
ENERCON SCADA Bat Protection		•
Ice Solution		•
Automatic Fire Extinguishing System		•
Aviation Lights (ADLS)		•
ADLS Interface & Hardware		•
3 rd Party Customer Systems Interface		•
Lower-Emission Steel Tower		•

ANNUAL ENERGY YIELD

