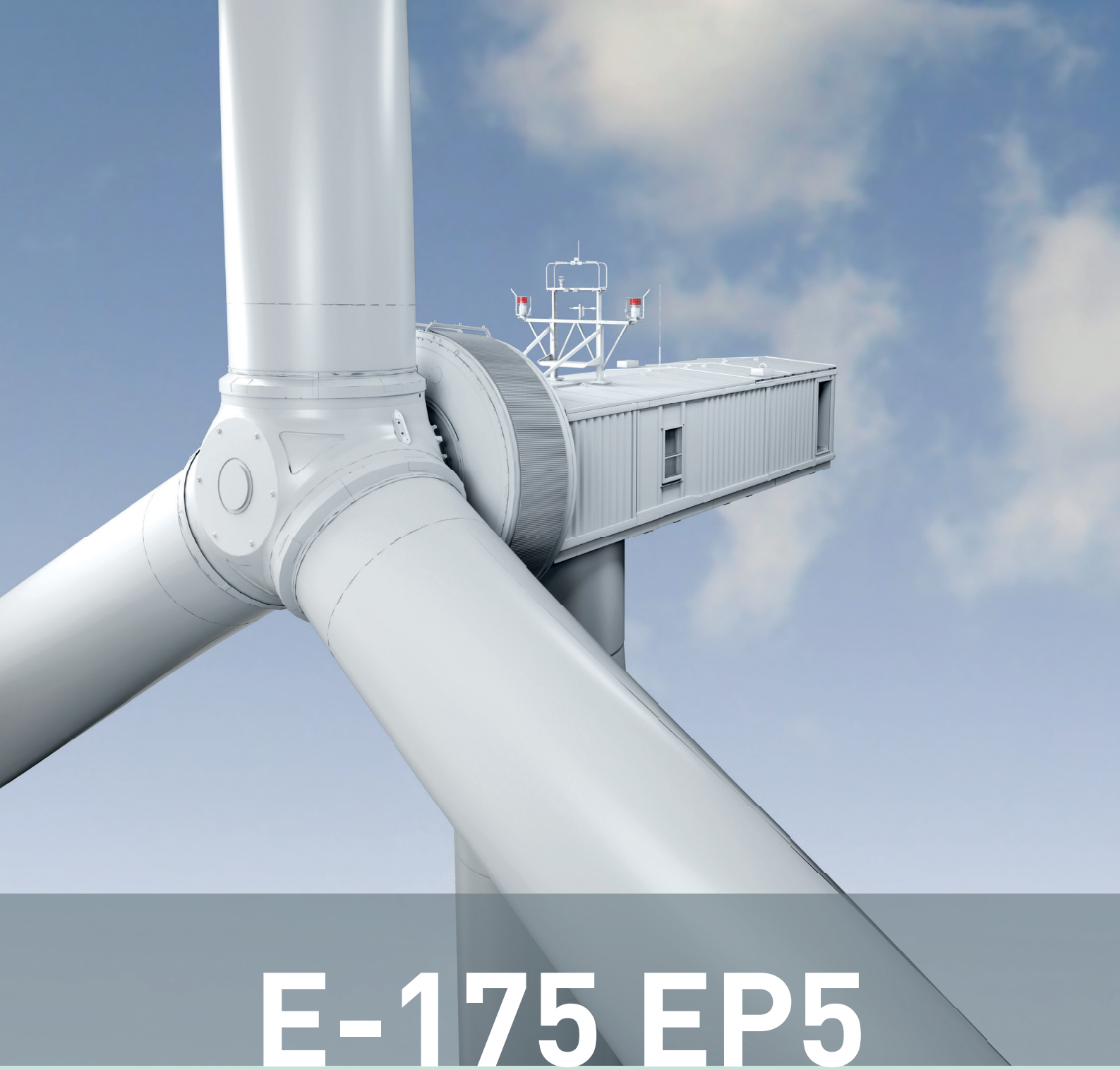

E-175 EP5

6,000 kW

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TECHNICAL DATA

E-175 EP5

Last updated: 08/2025. Technical information subject to change.

GENERAL

Nominal power	6,000 kW
Yield Optimized 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 (IEC S)
Cut in wind speed	2.0 m/s
Cut out wind speed	25 m/s
Extreme wind speed at hub height (3-second gust)	59.5 m/s
Ambient temperature for normal operation	-20 °C to +40 °C
Extreme temperature range	-30 °C to +40 °C
Grid feed / control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	105.5 dB(A) (6,000 kW) 106,5 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

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

* dependent on hub height

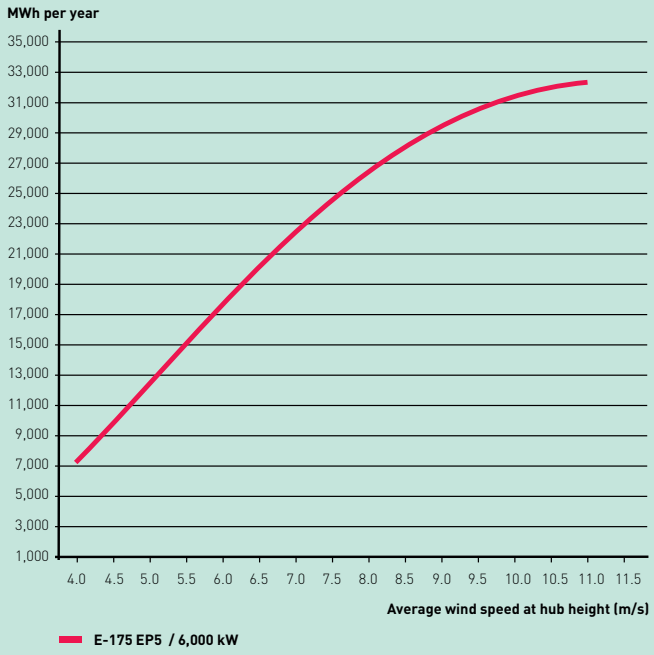
GENERATOR

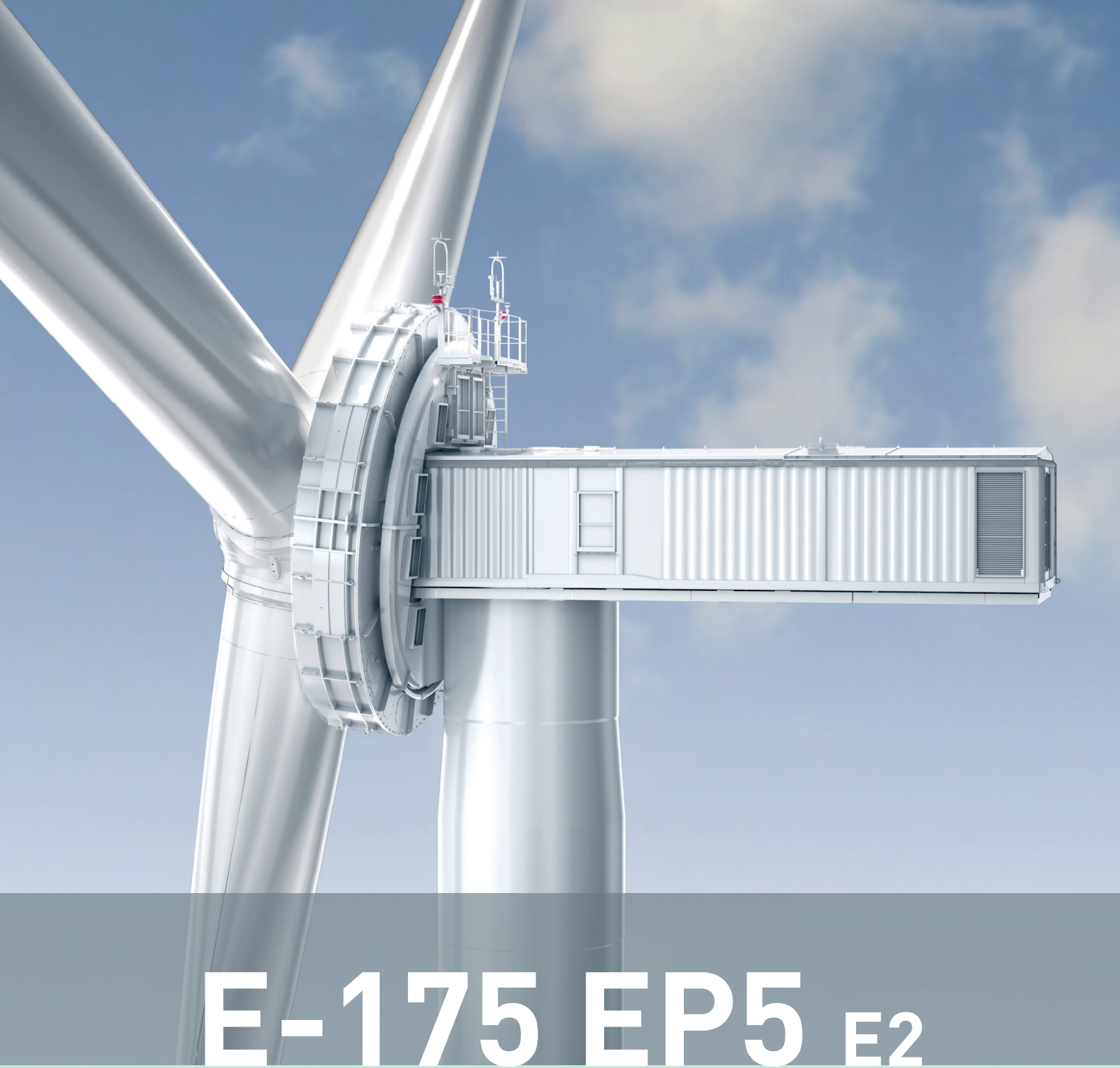
Type	multi-pole synchronous generator (PMG)
Cooling system	air cooling system

FEATURES

	STANDARD	OPTIONAL
FACTS and transmission	X	
ENERCON SCADA	X	
ENERCON storm control	X	
ENERCON Shadow shutdown		X
ENERCON SCADA bat protection		X
Ice detection system		X
Sector management for wind farms		X
Beacon management for wind farms		X
De-Icing System		X
Yield Optimized Modes		X

ANNUAL ENERGY YIELD





E-175 EP5 E2

7,000 kW

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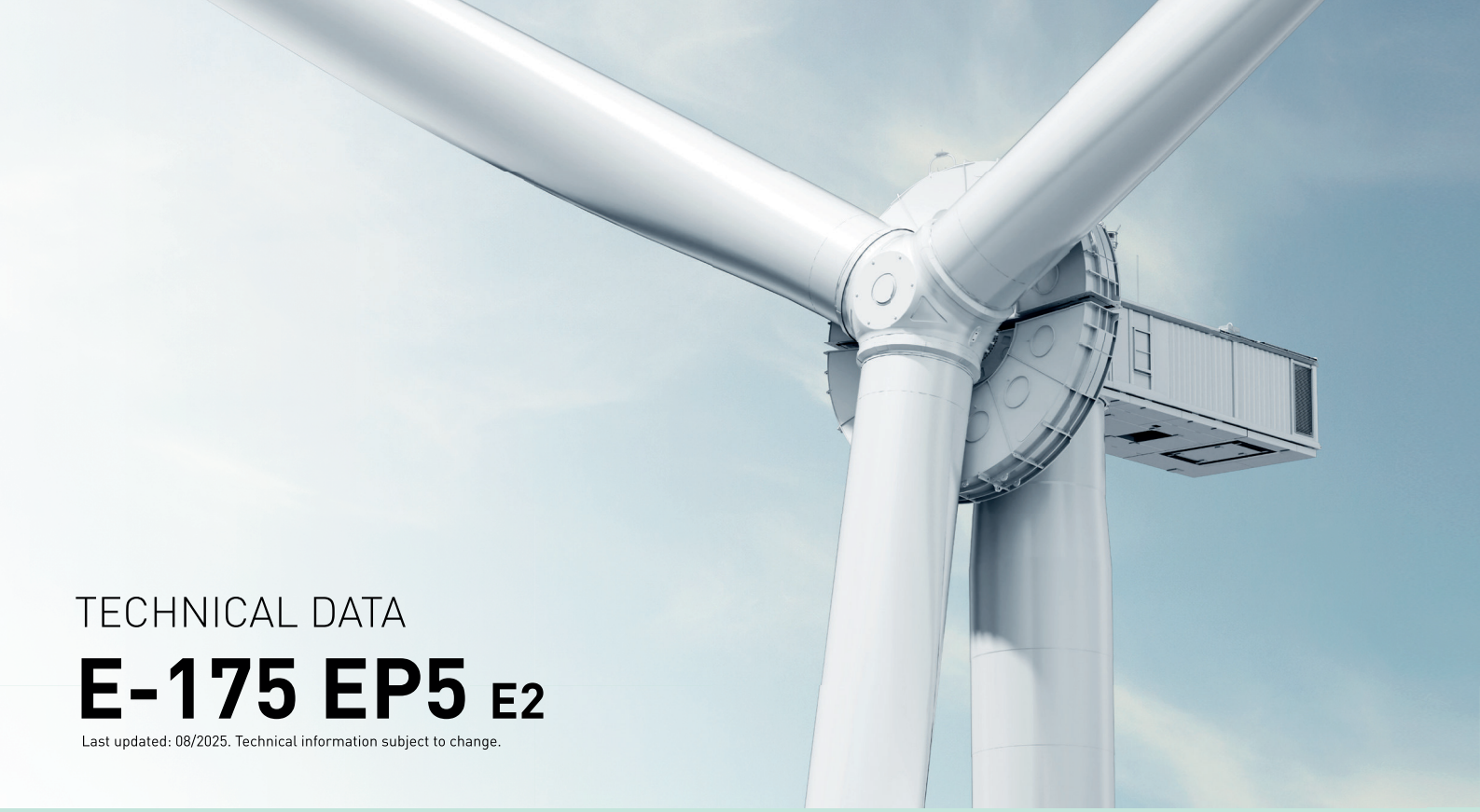

TECHNICAL DATA

E-175 EP5 E2

Last updated: 08/2025. Technical information subject to change.

GENERAL

Nominal power	7,000 kW
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-second gust)	up to 59.50 m/s*
Ambient temperature for normal operation	-20 °C to +40 °C
Extreme temperature range	-30 °C to +40 °C
Grid feed / control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	106.9 dB(A)* Noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	175 m
Type	upwind rotor with active pitch control

TOWER

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

* dependent on hub height

GENERATOR

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

FEATURES

	STANDARD	OPTIONAL
FACTS and transmission	X	
ENERCON SCADA	X	
ENERCON storm control	X	
ENERCON Shadow shutdown		X
ENERCON SCADA bat protection		X
Ice detection system		X
Sector management for wind farms		X
Beacon management for wind farms		X
De-Icing System		X

ANNUAL ENERGY YIELD