



E-160 EP5 E2

5,500 kW



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 **ENERCON**
ENERGY FOR THE WORLD

TECHNICAL DATA

E-160 EP5 E2

Last updated: 08/2020. Technical information subject to change.

GENERAL

Nominal power	5,500 kW
Wind class (IEC)	IEC IIIA
Wind zone (DIBt)	WZ S GK S
Turbine concept	gearless, variable speed, full power converter
Design service life	20 years
Cut in wind speed	2.5 m/s
Cut out wind speed	22 m/s
Extreme wind speed at hub height (3-second gust)	52.5 m/s
Rotational speed	2.98 - 9.4 rpm
Ambient temperature for normal operation	-10 °C / -20 °C to +30 °C / +40 °C
Extreme temperature range	-20 °C to +50 °C
Grid feed / control system	IGBT-Control
Grid frequency	50 Hz / 60 Hz
Sound power level	94.5 - 106.8 dB(A)* Yield and noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	160 m
Type	upwind rotor with active pitch control

TOWER

Hub height	IEC IA	IEC IIA	IEC IIIA
			120 m
			140 m
			166 m

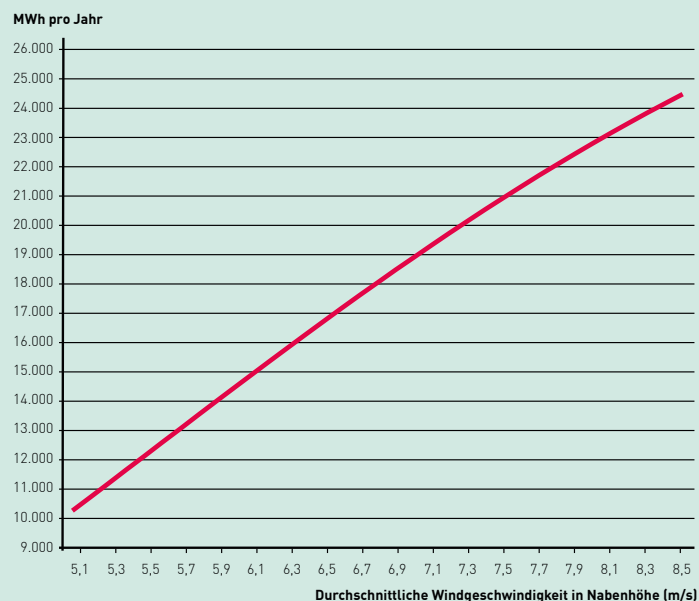
GENERATOR

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

FEATURES

	STANDARD	OPTIONAL
FACTS and transmission	X	
ENERCON SCADA	X	
Low radar reflectivity rotor blades	X	
Shadow shutdown		X
Ice detection system		X
Sector management for wind farms		X
Beacon management for wind farms		X

ANNUAL ENERGY YIELD



* dependent on hub height