



E-160 EP5 E3

5,560 kW



www.enercon.de

 **ENERCON**
ENERGY FOR THE WORLD

TECHNICAL DATA

E-160 EP5 E3

Last updated: 04/2021. Technical information subject to change.

GENERAL

Nominal power	5,560 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 (IEC IIIA) 25 years (IEC S)
Cut in wind speed	2.5 m/s
Cut out wind speed	28 m/s
Extreme wind speed at hub height (3-second gust)	52.5 m/s
Rotational speed	4.4 - 9.4 rpm
Ambient temperature for normal operation	-10 °C to +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	94.0 - 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
			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



— E-160 EP5 E3 / 5,560 kW

* dependent on hub height