



# E-160 EP5 E3

5,560 kW



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ENERGY FOR THE WORLD

## TECHNICAL DATA

# E-160 EP5 E3

Last updated: 02/2022. Technical information subject to change.

### GENERAL

<b>Nominal power</b>	5,560 kW
<b>Wind class (IEC)</b>	IEC IIIA
<b>Wind zone (DIBt)</b>	WZ S GK S
<b>Turbine concept</b>	gearless, variable speed, full power converter
<b>Design service life</b>	20 years (IEC IIIA) 25 years (IEC S)
<b>Cut in wind speed</b>	2.5 m/s
<b>Cut out wind speed</b>	28 m/s
<b>Extreme wind speed at hub height (3-second gust)</b>	52.5 m/s
<b>Rotational speed</b>	4.4 - 9.4 rpm
<b>Ambient temperature for normal operation</b>	-10 °C to +40 °C
<b>Extreme temperature range</b>	-20 °C to +50 °C
<b>Grid feed / control system</b>	IGBT-Control
<b>Grid frequency</b>	50 Hz / 60 Hz
<b>Sound power level</b>	94.0 - 106.8 dB(A)* Yield and noise-optimised operation. Further modes on request.

### ROTOR

<b>Rotor diameter</b>	160 m
<b>Type</b>	upwind rotor with active pitch control

### TOWER

<b>Hub height</b>	<b>IEC IA</b>	<b>IEC IIA</b>	<b>IEC IIIA</b>
			99 m
			120 m
			166 m

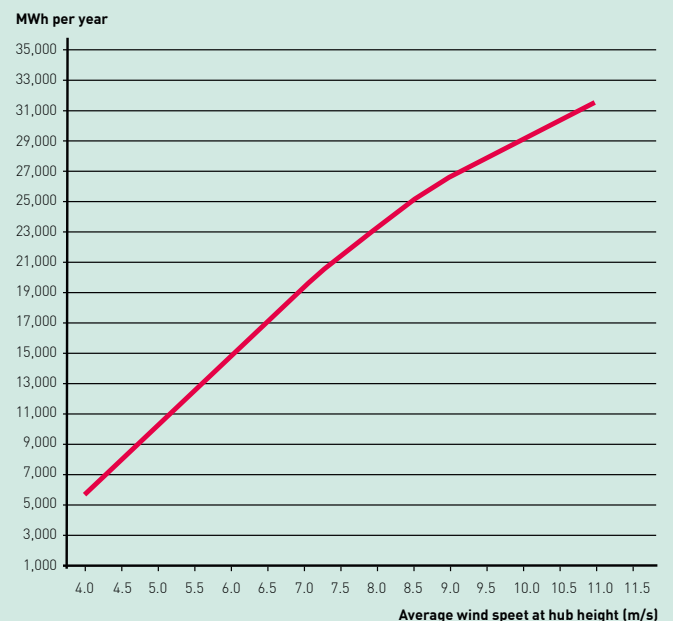
### GENERATOR

<b>Type</b>	multi-pole synchronous generator (PMG)
<b>Cooling system</b>	air cooling system

### FEATURES

	STANDARD	OPTIONAL
FACTS and transmission	X	
ENERCON SCADA	X	
Shadow shutdown		X
ENERCON SCADA bat protection		X
Ice detection system		X
Sector management for wind farms		X
Beacon management for wind farms		X

### ANNUAL ENERGY YIELD



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\* dependent on hub height