



E-138 EP3 E3

4,260 kW



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 **ENERCON**
ENERGY FOR THE WORLD

TECHNICAL DATA

E-138 EP3 E3

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

GENERAL

Nominal power	4,260 kW
Yield Optimized Mode	4,500 kW
Wind class (IEC)	IEC S / IEC IIA*
Wind zone (DIBt)	WZ 2 S
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	28 m/s
Extreme wind speed at hub height (3-second gust)	59.5 m/s
Normal operating temperature range	-25 °C to +40 °C
Cold climate operating temperature range	-40 °C to +40 °C
Grid feed / control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	106.0 dB(A) [4.260 kW] 106.5 dB(A) [4.500 kW] Yield and noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	138.25 m
Swept area	15,011 m ²
Type	upwind rotor with active pitch control

TOWER

Hub height	IEC IIA	IEC S	IEC IIIA
	81 m	111 m	160 m
	90 m	131 m	
	99 m		

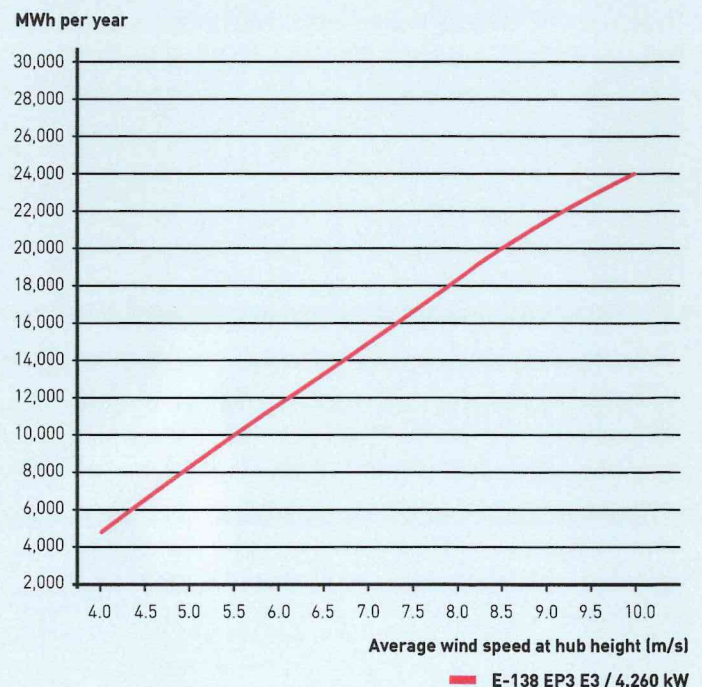
GENERATOR

Type	directly driven, separately excited annular generator
Cooling system	air cooling system

FEATURES

	STANDARD	OPTIONAL
FACTS and transmission	X	
ENERCON SCADA	X	
ENERCON storm control	X	
Ice detection system		X
Blade heating system		X
ENERCON shadow shutdown		X
ENERCON SCADA bat protection		X
Sector management for wind farms		X
Beacon management for wind farms		X

ANNUAL ENERGY YIELD



* dependent on hub height