

TECHNICAL DATA

E-138 EP3 E3

Last updated: 09/2021. Technical information subject to change.

GENERAL

Nominal power	4,260 kW [E2]
Wind class (IEC)	IEC IIA / IEC S
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)	52.5 m/s
Ambient temperature for normal operation	-10 °C to +40 °C
Extreme temperature range	-20 °C to +50 °C
Grid feed / control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	99.0 - 106.0 dB(A)* Yield and noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	138.25 m
Swept area	15,011 m²
Type	upwind rotor with active pitch control

TOWER

Hub height	IEC SA	IEC IA	IEC IIA	IEC IIIA
	81 m			160 m
	99 m			
	111 m			
	131 m			

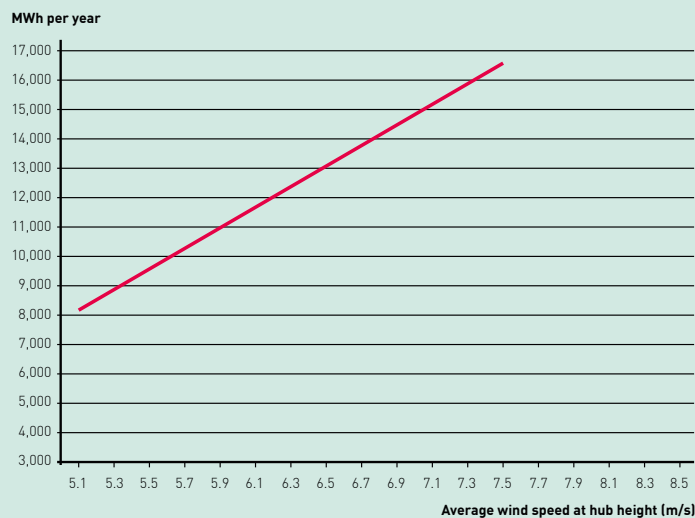
GENERATOR

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	
Power curve method	X	
Additional ice detection system		X
Blade heating system		X
Hot-Climate		X
Shadow shutdown		X
ENERCON SCADA bat protection		X
STATCOM		X
Inertia Emulation		X
Sector management for wind farms		X
Beacon management for wind farms		X

ANNUAL ENERGY YIELD



■ E-138 EP3 E3 / 4,260 kW