

ENO  **114**

3.5 MW

enovation for efficiency



ENO  **ENERGY**

Success with wind.



Optimised efficiency for wind farms

Technical specifications eno 114 3.5 MW

General

Type	eno 114
Rated Power	3,500 kW
Cut-in wind speed	3 m/s
Rated wind speed	13 m/s
Cut-out wind speed	25 m/s
Tilt angle	5°

Rotor

Diameter	114.9 m
Nominal speed range	4 - 11.8 rpm
Swept area	10,369 m ²

Rotor blade

Manufacturer	eno energy
Material	GRP
Length	56.0 m

Gears

Model	Planetary-/spur gearing
Gear ratio	approx. 1:119

Generator

Type	Synchronous generator
Design	slip ringless / brushless excitation

Tower (hub height)	92 m; 127.5 m; 142 m
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Converter

Type	Full power converter
Model	Modular IGBT inverter topology

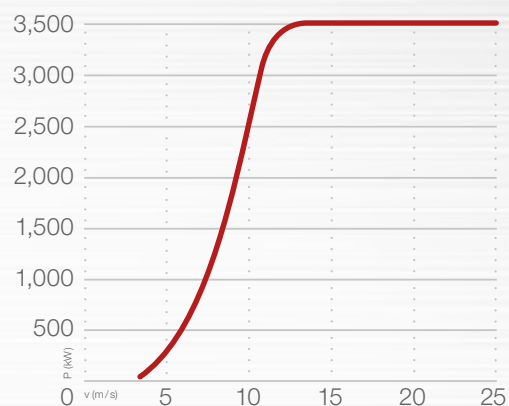
Sound power level

calculated (Mode 0) ¹	105 dB(A)
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Wind class

Wind class according to IEC	IEC II ^{s2}
Wind zone according to DIBt	WZ 4, GK2

Power curve eno 114



Annual energy yield³

V _w , hub height	eno 114
6.0 m/s	8,291 MWh/a
6.5 m/s	9,768 MWh/a
7.0 m/s	11,202 MWh/a
7.5 m/s	12,568 MWh/a
8.0 m/s	13,847 MWh/a
8.5 m/s	15,031 MWh/a

Reference yield according to FGW TR 5

Hub height	Reference yield in kWh
92 m	50 058 416
127.5 m	54 644 823
142 m	56 052 155



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¹ noise-reduced operation modes available on request

² Advanced turbulence classification for more compact wind farm layout

³ annual energy yields valid for k=2.0 (Weibull distribution)