

ENO 126

4.0 MW

novation for efficiency




ENO ENERGY

Success with wind.

Highest efficiency due to maximum performance

Technical specifications eno 126 4.0 MW

General

Type	eno 126
Rated Power	4,000 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	126.0 m
Nominal speed range	4.0 – 11.5 rpm
Swept area	12,468 m ²

Rotor blade

Manufacturer	eno energy systems GmbH
Material	GRP/CFRP
Length	61.6 m

Gears

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

Generator

Type	Synchronous generator
Design	slip ringless/brushless excitation

Tower (hub height)	97 m, 117 m, 137 m, 162 m
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Converter

Type	Full power converter
Model	Modular IGBT inverter topology

Sound power level¹

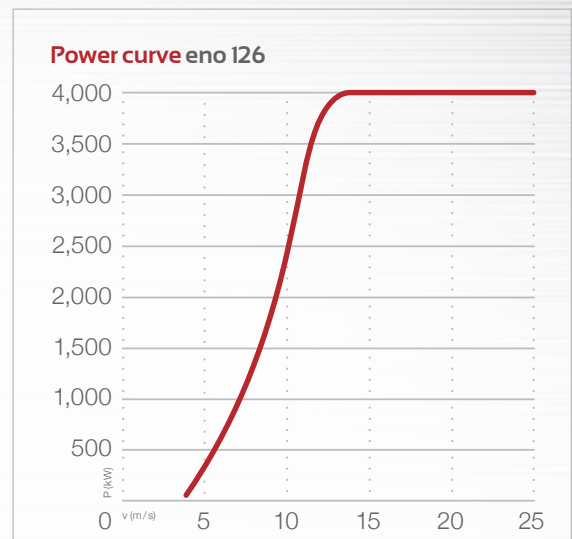
with serrations	104.0 dB(A)
without serrations	105.5 dB(A)

Wind class

Hub height	97 m	117 m	137 m	162 m
Wind class according to IEC ed.3	II A	II A	II A	S
Wind zone according to DIBt 2012	WZ 4, GK II	WZ 4, GK II	WZ 4, GK II	S

¹ noise-reduced operation modes available on request

² annual energy yields valid for k = 2.0 (Weibull distribution)



Annual energy yield²

v_w, hub height	eno 126
6.0 m/s	9,845 MWh/a
6.5 m/s	11,529 MWh/a
7.0 m/s	13,153 MWh/a
7.5 m/s	14,694 MWh/a
8.0 m/s	16,132 MWh/a
8.5 m/s	17,458 MWh/a

Reference yield according to FGW TR 5 (EEG 2017)

Hub height	Reference yield in kWh
97 m	56,038,638
117 m	61,152,282
137 m	65,494,704
162 m	70,174,280



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