ENO 126

4.8 MW

enovation for efficiency

ENO ENERGY

Success with wind.

Highest efficiency due to maximum performance

Technical specifications eno 126 4.8 MW

General

Type	eno 126
Rated Power	4,800 kW
Cut-in wind speed	3 m/s
Rated wind speed	14 m/s
Cut-out wind speed	25 m/s
Tilt angle	5°

Rotor

Diameter	126.0 m
Nominal speed range	4.0 – 11.2 rpm
Swept area	12,469 m²

Rotor blade

Manufacturer	eno energy systems GmbH
Material	GFK / CFK
Length	61.6 m

Gears

Model	Planetary-/spur gearing
Gear ratio	approx. 1:126

Generator

Type	Synchronous generator
Design	slip ringless / brushless excitation

Tower (hub height)

87 m, 97 m, 117 m, 137 m, 162 m

Converter

Type	Full power converter
Model	Modular IGBT inverter topology

Sound power level[1]

with serrations	103.5 dB(A)
without serrations	105.5 dB(A)

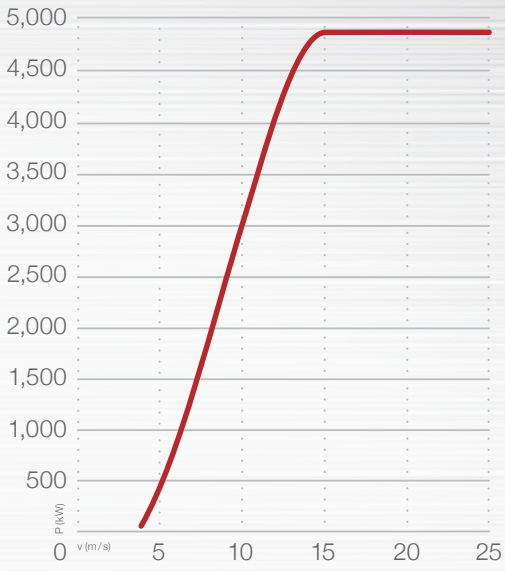
Wind class

hub height	87 m	97 m	117 m	137 m	162 m
Wind class according to IEC ed.3	S	S	S	S	S
Wind zone according to DIBt 2012	WZ4, GK II	WZ4, GK II	WZ3, GK II	WZ3, GK II	S

[1] noise-reduced operation modes available on request

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

Power curve eno 126



Estimated annual energy yield[2]

v_w, hub height	eno 126
6.0 m/s	10,183 MWh/a
6.5 m/s	12,052 MWh/a
7.0 m/s	13,894 MWh/a
7.5 m/s	15,676 MWh/a
8.0 m/s	17,371 MWh/a
8.5 m/s	18,958 MWh/a

Reference yield according to FGW TR 5 (EEG 2017)

hub height	reference yield in kWh
87 m	55,294,528
97 m	58,467,529
117 m	64,220,030
137 m	69,165,137
162 m	74,555,330

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