ENO 126

3.5 MW

enovation for efficiency

ENO ENERGY

Success with wind.

eno up.site – optimised efficiency for wind farms

Technical specifications eno 126 3.5 MW

General

Type	eno 126
Rated Power	3,500 kW
Cut-in wind speed	3 m/s
Rated wind speed	12.5 m/s
Cut-out wind speed	25 m/s
Tilt angle	5°

Rotor

Diameter	126 m
Nominal speed range	4.0 –11.2 rpm
Swept area	12,468 m²

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

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

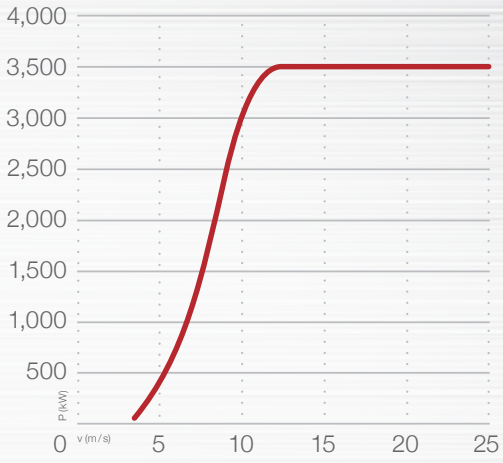
Hub height	97 m	117 m	137 m
Wind class according to IEC ed.3	III S²	III S²	III S²
Wind zone according to DIBt 2012	WZ 3, GK II	WZ 3, GK II	WZ 3, GK II

[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)

Power curve eno 126



Annual energy yield[3]

v_w, hub height	eno 126
5.0 m/s	6,327 MWh/a
5.5 m/s	7,898 MWh/a
6.0 m/s	9,467 MWh/a
6.5 m/s	10,991 MWh/a
7.0 m/s	12,440 MWh/a
7.5 m/s	13,797 MWh/a

Reference yield according to FGW TR 5 (EEG 2017)

Hub height	Reference yield in kWh
97 m	53,507,014
117 m	58,092,412
137 m	61,955,650

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