ENO 100

2.2 MW

enovation for efficiency

ENO ENERGY

Success with wind.

Solid plant design for higher yields

Technical specifications eno 100 2.2 MW

General

Type	eno 100
Rated Power	2,200 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	100.5 m
Nominal speed range	5.5 - 14.2 rpm
Swept area	7,933 m²

Rotor blade

Manufacturer	LM Wind Power
Material	GRP
Length	49.0 m

Gears

Model	Planetary-/spur gearing
Gear ratio	approx. 1:111

Generator

Type	Synchronous generator
Design	slip ringless/brushless excitation

Tower (hub height)

Model steel tube	99 m, 125 m

Converter

Type	Full power converter
Model	Modular IGBT inverter topology

Sound power level

calculated (Mode 0)[1]	105.9 dB(A)

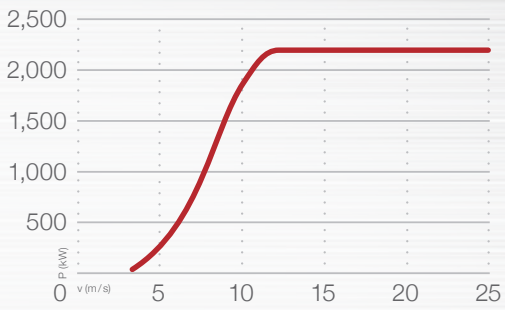
Wind class

Hub height	99 m	125 m
Wind class according to IEC ed.3	III A	III A
Wind zone according to DIBt 2012	WZ 3, GK II	WZ 3, GK II

[1] noise-reduced operation modes available on request

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

Power curve eno 100



Estimated annual energy yield[2]

v_w, hub height	eno 100
5.0 m/s	3,780 MWh/a
5.5 m/s	4,776 MWh/a
6.0 m/s	5,778 MWh/a
6.5 m/s	6,755 MWh/a
7.0 m/s	7,687 MWh/a
7.5 m/s	8,560 MWh/a

Reference yield according to FGW TR 5 (EEG 2014)

Hub height	Reference yield in kWh
99 m	35,162,615
125 m	37,302,488

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