

ENO **82**

2.05 MW

enovation for efficiency



ENO  ***ENERGY***

Success with wind.

Proven quality for safe investment

Technical specifications eno 82

General

Type	eno 82
Rated Power	2,050 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	82.4 m
Nominal speed range	7.0 – 17.9 rpm
Swept area	5,333 m ²

Rotor blade

Manufacturer	LM Wind Power
Material	GRP
Length	40.0 m

Gears

Model	Planetary-/spur gearing
Gear ratio	approx. 1:96

Generator

Type	Synchronous generator
Design	slip ringless / brushless excitation

Tower (hub height)

Type Tubular steel	58.6 m; 80 m; 101 m; 108 m
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Converter

Type	Full power converter
Model	Modular IGBT inverter topology

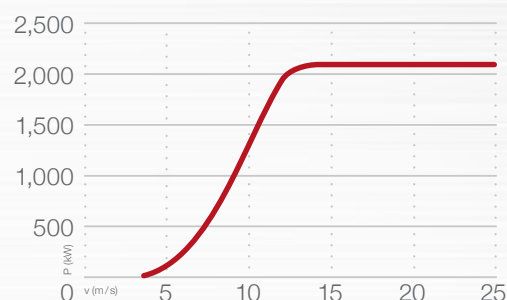
Sound power level

calculated (Mode 0) ¹	104.9 dB(A)
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Wind class

Wind class according to IEC	IEC IIa
Wind zone according to DIBt	WZ III

Power curve eno 82



Estimated annual energy yield

v _w , hub height	eno 82
6.0 m/s	4,213 MWh/a
6.5 m/s	5,025 MWh/a
7.0 m/s	5,828 MWh/a
7.5 m/s	6,603 MWh/a
8.0 m/s	7,340 MWh/a
8.5 m/s	8,030 MWh/a

Evaluation of reference yield according to FGW TR 5

Hub height	Reference yield in kWh
58.6 m	22 960 276
80 m	25 401 505
101 m	27 218 462
108 m	27 737 717



eno energy systems GmbH
 Am Strande 2 e . 18055 Rostock . Germany
 phone: +49 (0)381 . 20 37 92-0
 fax: +49 (0)381 . 20 37 92-101
 mail: sales@eno-energy.com
www.eno-energy.com

¹ noise-reduced operation modes available on request