

W2E-120/3.0fc

Rated Power: 3.0 MW  
Rotor diameter: 120 m  
Wind class: IEC 2a  
Drive train: LARUS Compact® with HybridDrive

**TAKE A LICENCE.**

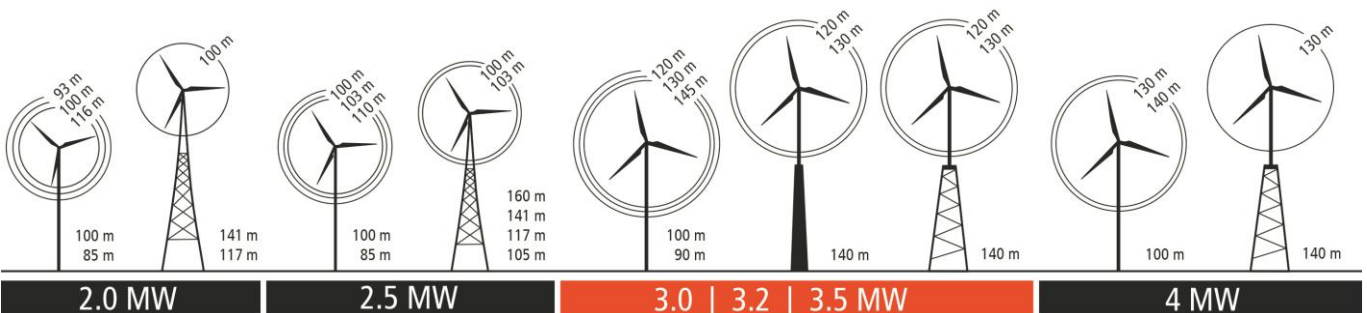
Supported by:



Federal Ministry  
for Economic Affairs  
and Energy

on the basis of a decision  
by the German Bundestag

**w2e**  
WIND TO ENERGY®



**TECHNICAL DATA**

<b>Rated power</b>	3.0 MW
<b>Rotor</b>	120 m
<b>Wind class</b>	IEC 2a
<b>Cut-in wind speed</b>	3.0 m/s
<b>Rated wind speed</b>	12.5 m/s
<b>Cut-out wind speed</b>	25.0 m/s
<b>Sound power</b>	106.5 db(A)
<b>Full load hours   Capacity factor</b>	4,740 h   54%
<b>Hub height tubular tower</b>	90 m   100 m
<b>Drive train concept - LARUS Compact<sup>®</sup></b>	HybridDrive in combination with torque bearing as a Plug&Play-system
<b>Electrical configuration</b>	Medium-speed PMG with full-scale converter technology, IGBT converter, 50/60 Hz, 3 independent 3-phase windings
<b>Power control - LARUS Smart<sup>®</sup></b>	Triple independent pitch system
<b>Safety system - LARUS Safe<sup>®</sup></b>	Matrix safety system

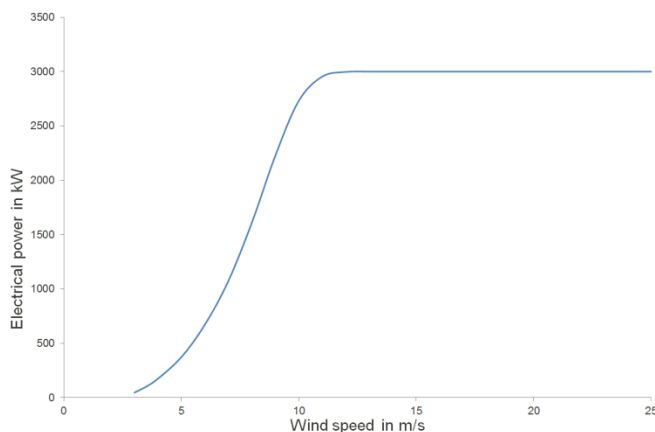
**POWER CURVE\***

V <sub>WIND</sub> [m/s]	Power [kW]
3	47
4	175
5	373
6	671
7	1,073
8	1,609
9	2,225
10	2,731
11	2,953
12	2,997
13	3,000
14	3,000
25	3,000

**ANNUAL YIELD\***

V <sub>WIND</sub> [m/s]	Yield [MWh]
5.0	5,779
5.5	7,135
6.0	8,485
6.5	9,793
7.0	11,032
7.5	12,188
8.0	13,252
8.5	14,219

\* Standard conditions and calculations acc. to IEC 61400-12  
Measured power curves on request



**Editor:**

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