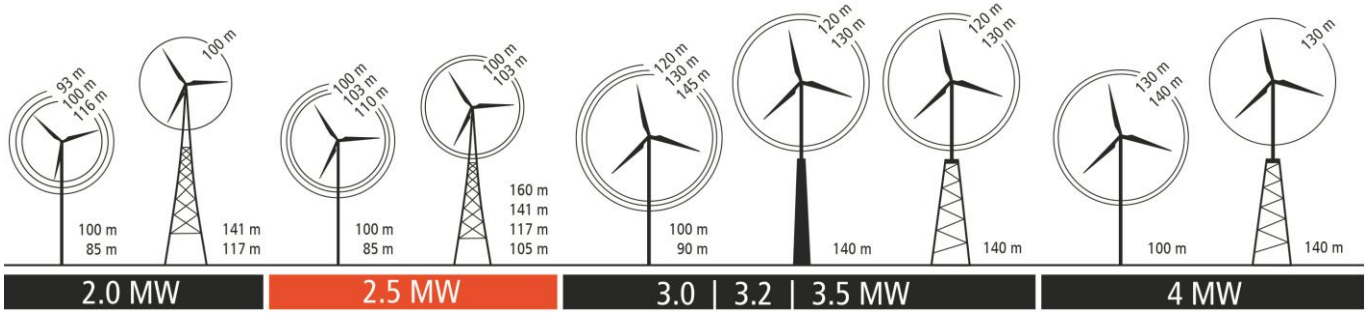
W2E-100/2.5

Rated power: **2.5 MW**
Rotor diameter: 100 m | 103 m
Wind class: IEC 2a
Drive train: **LARUS Compact®**

TECHNOLOGY ON DEMAND

WIND TO ENERGY®



Technology Transfer and Licensing: W2E Wind to Energy GmbH | Sales Department I licences@wind-to-energy.de

W2E-100/2.5

TECHNICAL DATA

Rated power	2.5 MW
Rotor	100 m | 103 m
Wind class	IEC 2a
Cut-in wind speed	3.5 m/s
Rated wind speed	12.5 m/s
Cut-out wind speed	25.0 m/s
Sound power	105.4 dB(A) | 105.9 dB(A)
Hub height tubular tower	85 m | 100 m
Hub height lattice tower	105 m | 117 m | 141 m | 160 m
Drive train concept - LARUS Compact®	Main gearbox in combination with torque bearing as a Plug & Play system
Electrical configuration	Double-fed induction generator, IGBT converter, 50 Hz, 60 Hz
Power control - LARUS Smart®	Triple independent pitch system
Safety system - LARUS Safe®	Matrix safety system

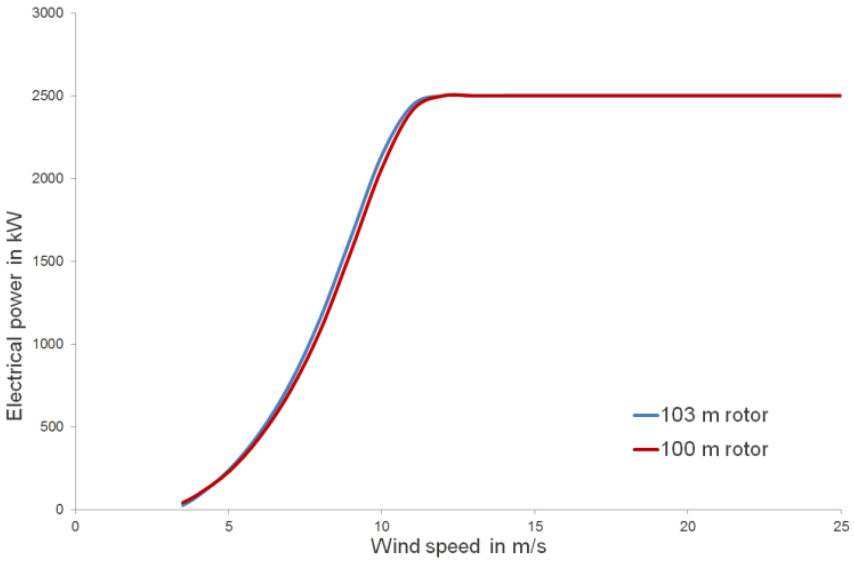
POWER CURVES*

V_{WIND} [m/s]	Power [kW] Rotor 100 m	Power [kW] Rotor 103 m
3.5	43	27
4.0	93	84
5.0	229	238
6.0	434	461
7.0	713	760
8.0	1,086	1,159
9.0	1,562	1,649
10.0	2,061	2,140
11.0	2,411	2,442
12.0	2,500	2,500
13.0	2,500	2,500
14.0	2,500	2,500
25.0	2,500	2,500

ANNUAL YIELD*

V_{WIND} [m/s]	Yield [MWh] Rotor 100 m	Yield [MWh] Rotor 103 m
5.0	3,987	4,137
5.5	5,042	5,225
6.0	6,121	6,328
6.5	7,187	7,412
7.0	8,217	8,451
7.5	9,192	9,430
8.0	10,101	10,339
8.5	10,936	11,172

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



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