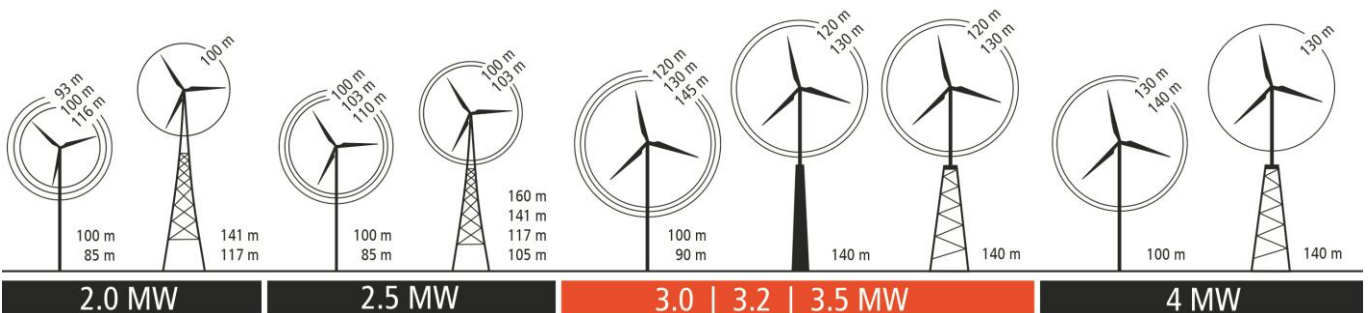


W2E-145/3.0fc

Rated power: 3.0 MW
 Rotor diameter: 145 m
 Wind class: IEC 3b
 Drive train: LARUS Compact® Mid speed

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TECHNICAL DATA

Rated power	3.0 MW
Rotor	145 m
Wind class	IEC 3b
Cut-in wind speed	3 m/s
Rated wind speed	10.5 m/s
Cut-out wind speed	22.0 m/s
Sound power	107.4 db(A)
Hub height tubular tower	90 m 100 m
Drive train concept - LARUS Compact®	Mid speed compact drive train in combination with torque bearing as a Plug&Play-system
Electrical configuration	Medium-speed PMG with full-scale converter technology , IGBT-Converter, 50/60 Hz, 2 independent 3-phase windings
Power control - LARUS Smart®	Triple independent pitch system
Safety system - LARUS Safe®	Matrix safety system

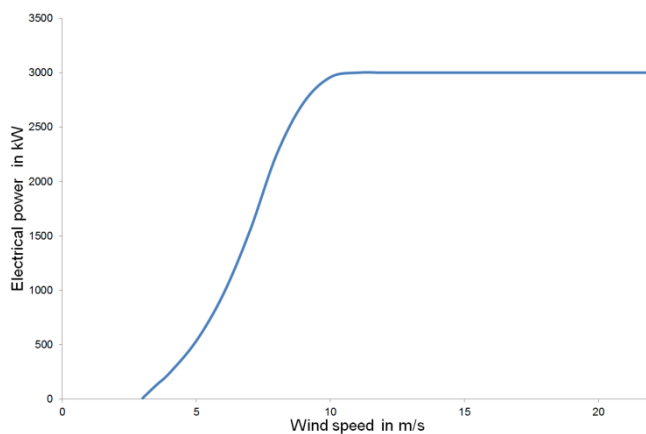
POWER CURVES*

V _{WIND} [m/s]	Power [kW]
3	10
4	128
5	240
6	535
7	961
8	1,546
9	2,250
10	2,724
11	2,959
12	3,000
13	3,000
14	3,000
22	3,000

ANNUAL YIELD*

V _{WIND} [m/s]	Yield [MWh]
5.0	7,223
5.5	8,765
6.0	10,233
6.5	11,601
7.0	12,852
7.5	13,979

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



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