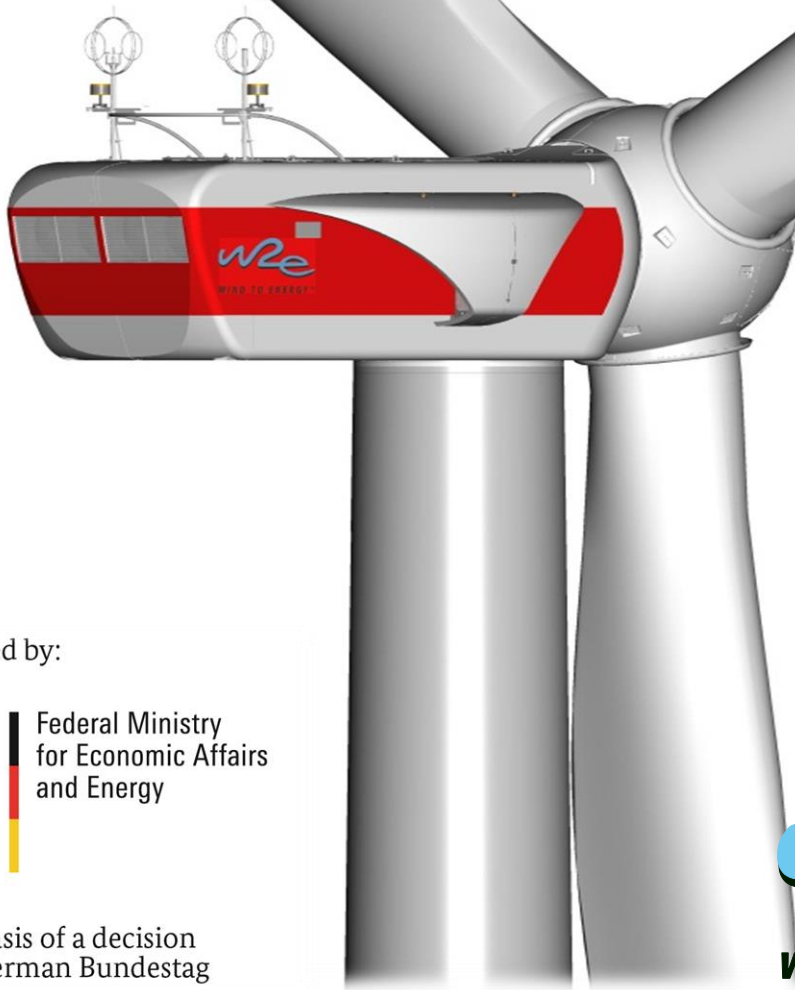


Rated power: 3.2 MW
 Rotor diameter: 120 m
 Wind class: IEC S
 Drive train: LARUS Compact® with HybridDrive

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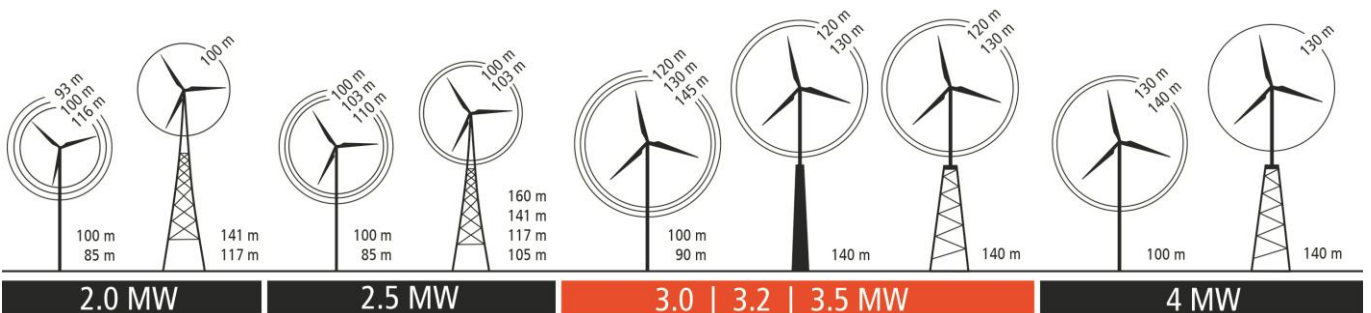


Federal Ministry
for Economic Affairs
and Energy

on the basis of a decision
by the German Bundestag



WIND TO ENERGY®



TECHNICAL DATA

Rated power	3.2 MW
Rotor	120 m
Wind class	IEC S
Cut-in wind speed	3 m/s
Rated wind speed	13 m/s
Cut-out wind speed	25 m/s
Sound power	106,9 db(A)
Hub height tubular tower	90 m 100 m
Hub height hybrid tower and K-Tower	140 m
Drive train concept - LARUS Compact®	HybridDrive 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, 3 independent 3-phase windings
Power control - LARUS Smart®	Triple independent pitch system
Safety system - LARUS Safe®	Matrix safety system

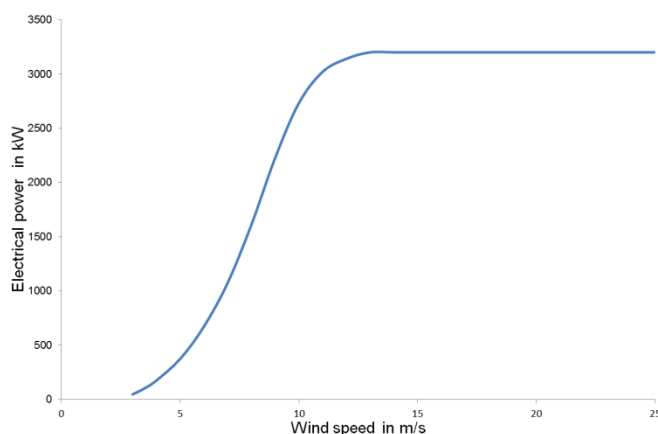
POWER CURVES*

V_{WIND} [m/s]	Power [kW]
3	47
4	175
5	373
6	671
7	1,073
8	1,609
9	2,225
10	2,731
11	3,020
12	3,140
13	3,200
14	3,200
25	3,200

ANNUAL YIELD*

V_{WIND} [m/s]	Yield [MWh]
5.0	5,827
5.5	7,228
6.0	8,641
6.5	10,026
7.0	11,354
7.5	12,607
8.0	13,772
8.5	14,840

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



Sponsored by the Federal Ministry for Economic Affairs and
Energy based on a resolution of the German Bundestag

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