

2.0 MW

Rotor diameter: 93 m | 100 m  
Wind class: IEC 2a, 3a  
Hub height: up to 141 m  
Reviewed: acc. to SDLWindV applicable  
Compact drive train concept LARUS Compact®

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## TECHNICAL DATA

Rated power	2,0 MW
Rotor	93 m   100 m
Wind class	IEC 2a, 3a
Cut-in wind speed	3 m/s
Rated wind speed	12 m/s   11.5 m/s
Cut-out wind speed	25.0 m/s
Capacity factor*	3,701 h, 42%   3,975 h, 45%
Sound power [8 m/s @ 10 m.ü.G.]	104.5 dB(A)
Hub height (standard / tubular tower)	85 m   100 m
Hub height (high yield / lattice tower)	117 m   141 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

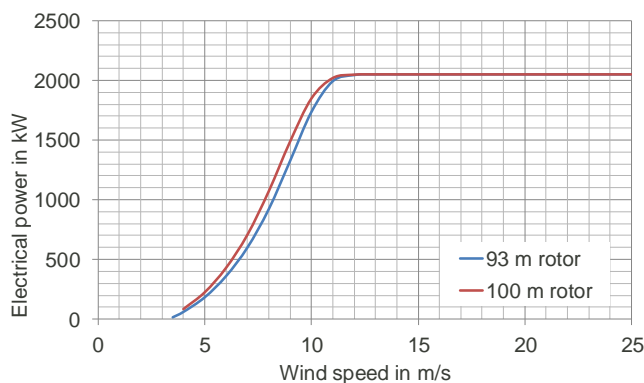
## POWER CURVES\*

V <sub>WIND</sub> [m/s]	Power 93 m rotor [kW]	Power 100 m rotor [kW]
3,5	15	34
4	60	84
5	183	225
6	360	430
7	600	707
8	921	1,071
9	1,325	1,487
10	1,735	1,848
11	1,993	2,019
12	2,044	2,047
13	2,050	2,050
14	2,050	2,050
25	2,050	2,050

## ANNUAL YIELD\*

V <sub>WIND</sub> [m/s]	Yield 93 m rotor [MWh]	Yield 103 m rotor [MWh]
5.0	3.284	3.738
5.5	4.169	4.666
6.0	5.069	5.594
6.5	5.956	6.495
7.0	6.808	7.350
7.5	7.613	8.149
8.0	8.362	8.886
8.5	9.049	9.557

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



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