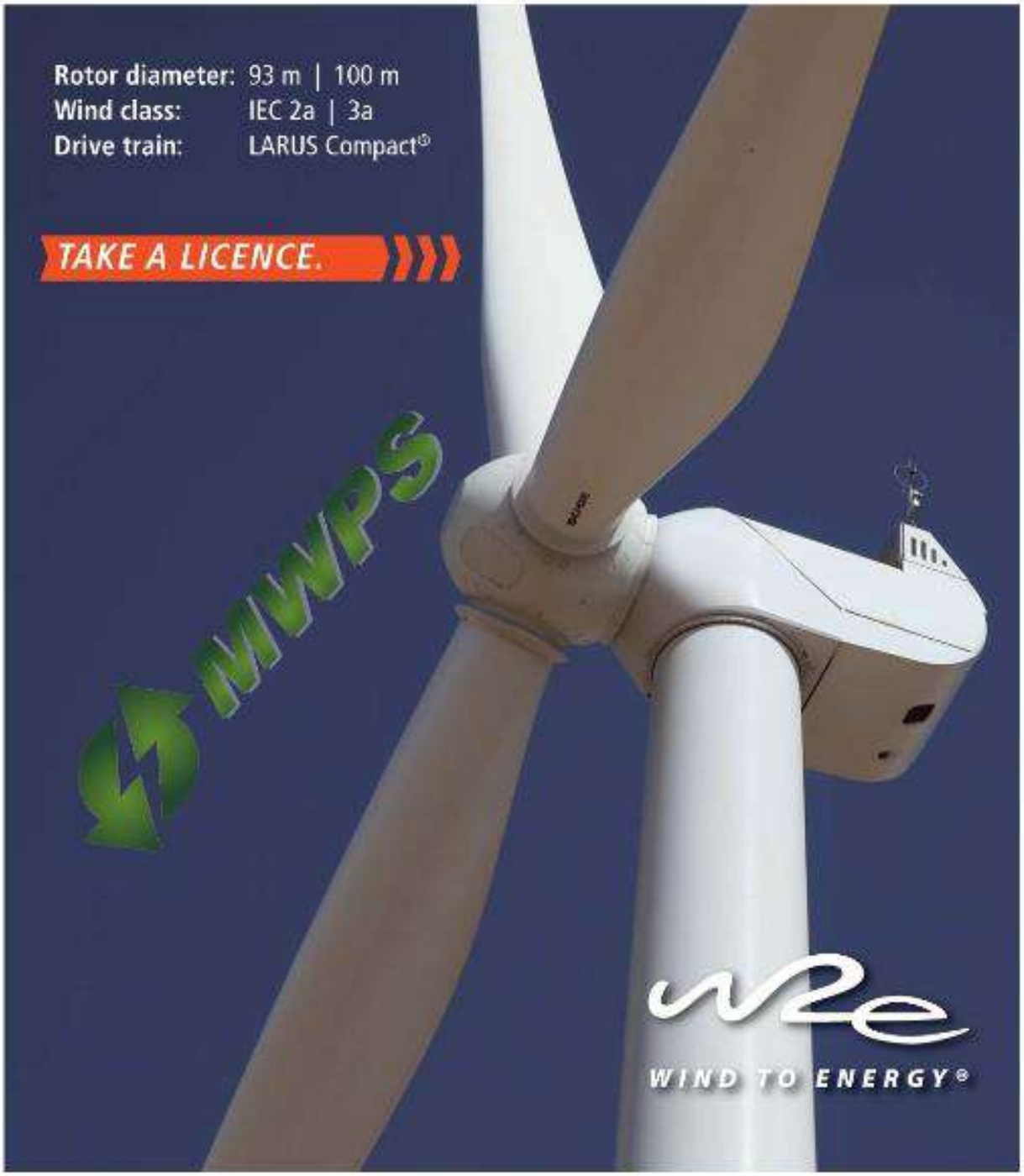
2.0 MW

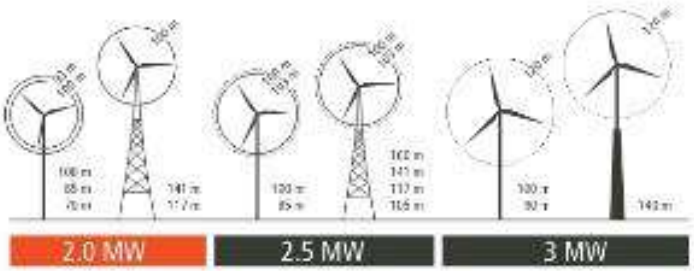
Rotor diameter: 93 m | 100 m
Wind class: IEC 2a | 3a
Drive train: LARUS Compact®

TAKE A LICENCE.

MWPS



W2E WIND TO ENERGY®



LICENSING: W2E WIND TO ENERGY GMBH | SALES DEPARTMENT I LICENCES@WIND-TO-ENERGY.DE

2.0 MW

TECHNICAL DATA

Rated power	2.0 MW
Rotor diameter	93 m | 100 m
Wind class	IEC 2a | 3a
Cut-in wind speed	3.5 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	104.5 dB(A) | 105.8 dB(A)
Hub height tubular tower	70 m | 85 m | 100 m
Hub height 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

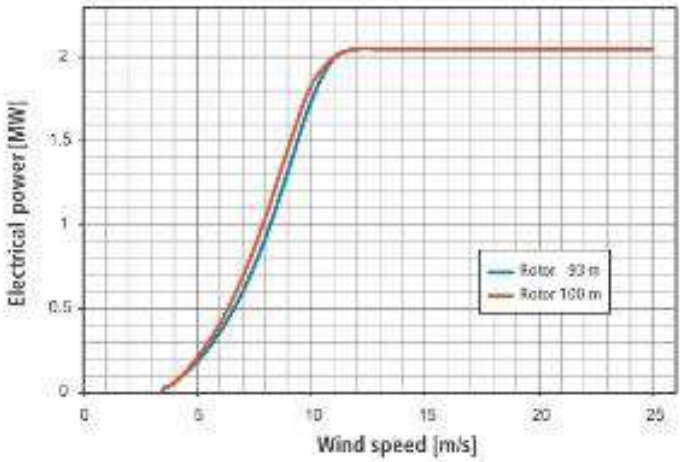
POWER CURVES*

V_{WIND} [m/s]	Power [kW] Rotor 93 m	Power [kW] Rotor 100 m
3.5	15	26
4	60	55
5	183	207
6	360	410
7	600	689
8	921	1,044
9	1,325	1,459
10	1,735	1,828
11	1,993	2,000
12	2,044	2,049
13	2,050	2,050
14	2,050	2,050
25	2,050	2,050

ANNUAL YIELD*

V_{WIND} [m/s]	Yield [MWh] Rotor 93 m	Yield [MWh] Rotor 100 m
5.0	3,284	3,598
5.5	4,169	4,523
6.0	5,069	5,450
6.5	5,956	6,351
7.0	6,808	7,209
7.5	7,613	8,013
8.0	8,362	-
8.5	9,049	-

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



EDITOR:
WZE WIND TO ENERGY GMBH
STRANDSTR. 96
18055 ROSTOCK | GERMANY
WWW.WIND-TO-ENERGY.DE