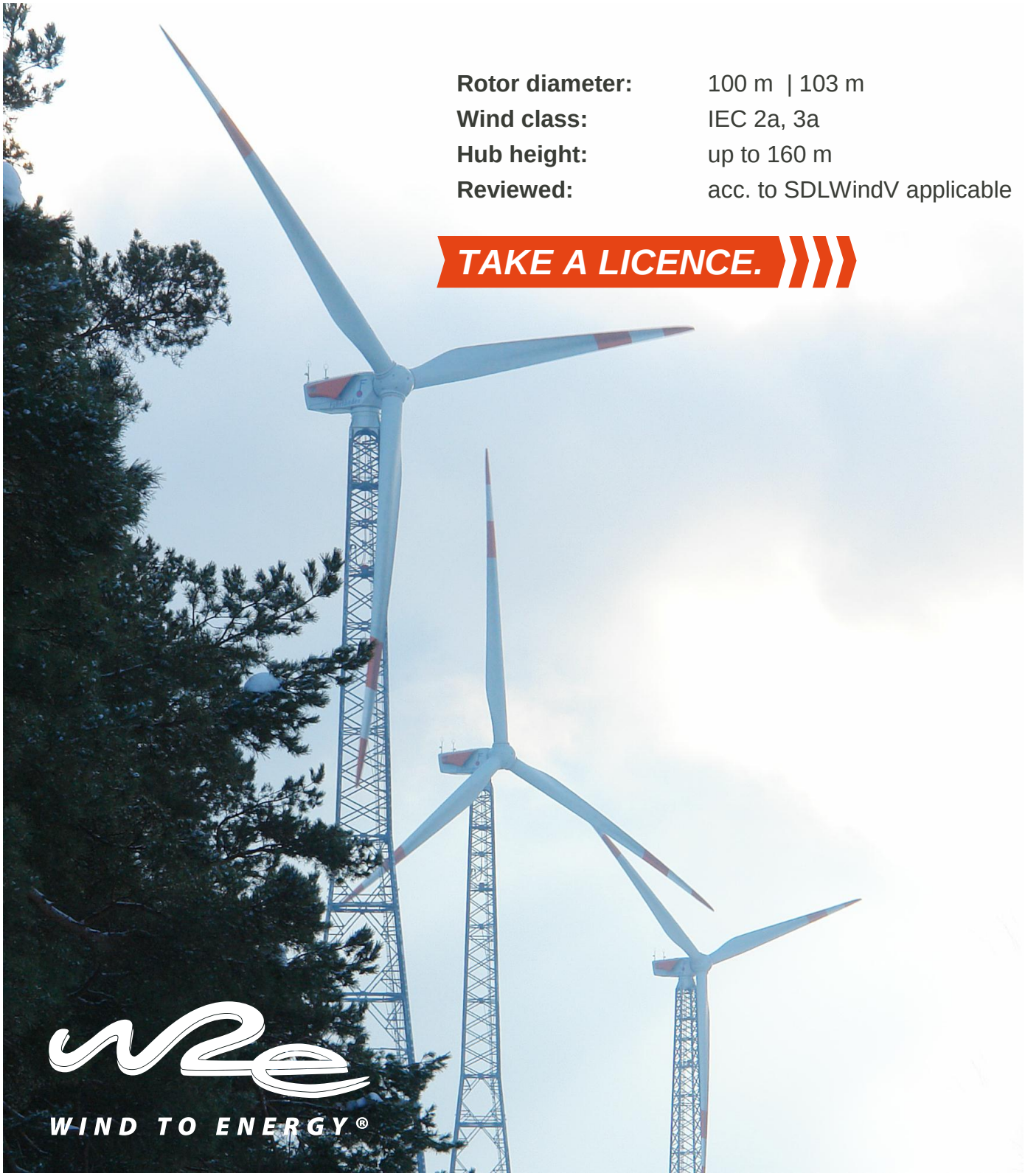
2.5 MW



Rotor diameter:	100 m | 103 m
Wind class:	IEC 2a, 3a
Hub height:	up to 160 m
Reviewed:	acc. to SDLWindV applicable

TAKE A LICENCE.

W2E
WIND TO ENERGY®

DEVELOPMENT: W2E Wind to Energy GmbH | Christoph Klewitz | Tel: +49 (0)381 128571-11
LICENSING AND MANUFACTURING: Fuhrländer AG | WWW.FUHRLAENDER.DE

2.5 MW

TECHNICAL DATA

Rated power	2.5 MW
Rotor	100 m | 103 m
Wind class	IEC 2a, 3a
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 [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 | 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

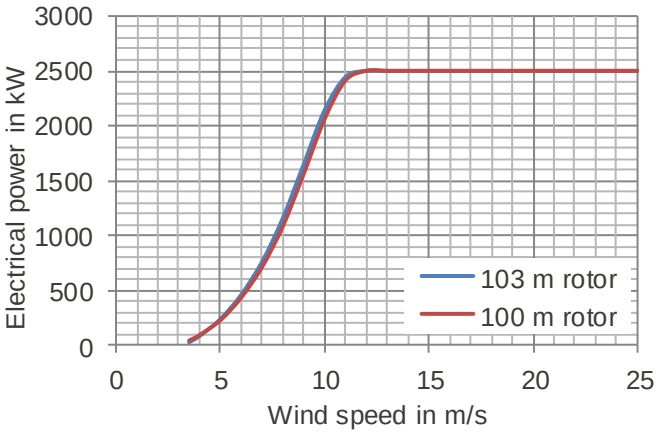
POWER CURVES*

V_{WIND} [m/s]	Power 100 m rotor [kW]	Power 103 m rotor [kW]
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 100 m rotor [MWh]	Yield 103 m rotor [MWh]
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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