

PRODUCT DATA SHEET

VIKING 25



Viking Wind ApS
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VIKING 25 TECHNICAL SPECIFICATIONS

Viking 25 is a Danish designed and Danish produced small wind turbine in order to assure a superior quality.



OPERATING DATA

Nominal power	25 kW
Hub height	18 m
Total height	24,5 m
Power control	Stall
Active wind range	4-25 m/s
Cut-out wind speed	25 m/s
Survival wind	No limit
Yaw system	Active, automatic cable untwist
Operational temperature	-20C° to +40 C°

ROTOR

Type	Stall with tip brake
Rotational direction	Clockwise
Blades	3
Rotor diameter	13 m
Swept area	133 m ²
Rotor material	Fibre glass
RPM	65
Tip-speed	45 m/s

GENERATOR

Generator	VEM Motors GmbH
Type	G21R 200 L4 HW
Voltage	3 x 400V + N
Frequency	50 Hz
Rated RPM	1525
Grid connection	Yes

APPROVAL

Type approval according to IEC 61400-2 standard

GEAR

Type	STM-EX1501/804 23,25 PAM200D M1s
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SAFETY

Brakes	Electromechanical fail safe MAYR 10/800.410.3
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Service and maintenance is carried out while the turbine is at ground level. It is never necessary to climb the tower. Both independent brake systems are "fail safe".

TOWER

Type	Viking tilt
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Viking VS25 is produced with tower-tilt to ease both installation and maintenance.

CONTROL SYSTEM

Manufacturer	Mita-Teknik
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PERFORMANCE

Annual production in Denmark	Up to 90.000 kWh
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VIKING 25 - ANNUAL ENERGY PRODUCTION (kWh)

		Annul averages wind m/s			
Weibull k		4,5	5,5	6,5	7,5
2		31.000	52.000	73.000	93.000