PRODUCT DATA SHEET Viking VS



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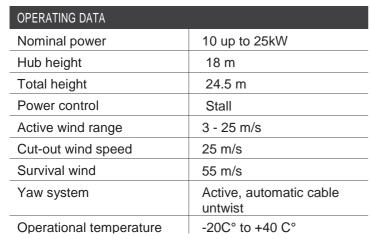
VIKING VS

TECHNICAL SPECIFICATIONS

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

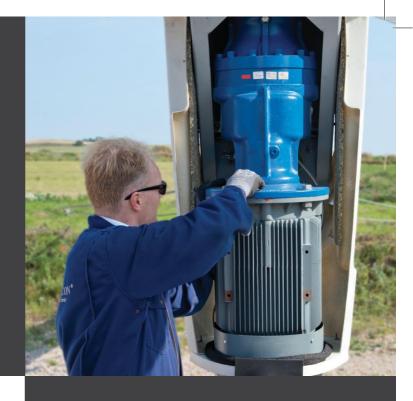
Viking VS is available with following options:

- Grid connection
- Stand alone
- · Wind diesel



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

GENERATOR		
Generator	VEM Motors GmbH	
	LEROY-SOMER	
Туре	G21R 200 L4 HW	
	54H1D	
Voltage	3 x 400V + N	
Frequency	50 - 60 Hz	
Rated RPM	1525	



APPROVAL

Type approval according to IEC 61400-2 standard SWT Class III

GEAR

Manufacturer Benzler _ STM	Benzler _ STM	
Type D40204-M1_ EF	RX 1501	

SAFETY	
Brakes	Electromechanical fail safe
	MAYR 10/800.410.3
	LEROY-SOMER-LS200LT

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	HSWind Gin Pole

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

CONTROL SYSTEM

Manufacturer	HSWind
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PERFORMANCE

Annual	production in Denmark	Up to 95.000 kWh
Annual	production in Denmark	Up to 95.000 kW

VIKING VS - ANNUAL ENERGY PRODUCTION (KWH)

Annul a	averages	wind	m/s	s
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