

Product data sheet

Viking 25



HSWind ApS, Denmark
Holger Danskes Vej 23D
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Denmark

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HS
Wind

Technical specifications Viking 25kw

Viking 25 kW 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	-10C° 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
Network connection	Yes

HSWind Viking 25 Annual energy production (kWh)

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

Approval:

Type approval according to IEC 61400-2 standard.

Safety:

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-tilt:

Viking 25 kW is produced with tower-tilt to ease both installation and maintenance.

Gear:

Type:

STM-EX1501/804
23,25 PAM200D M1s

Safety:

Brakes:

Electromechanical fail safe
MAYR 10/800.410.3

Tower:

Type:

HSWind tilt

Control system:

Manufacturer:

Mita-Teknik

Performance:

Annual production in Denmark

Up to 90.000 kWh

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