

# Viking 25



# Technical data Viking 25

## Operation Data

Rated power:	25 kW
Hub height:	18 m
Total height:	24,5 m
Power regulation:	Stall
Cut-in wind speed:	3,0 m/s
Rated wind speed:	12 m/s
Cut-out wind speed:	>25m/s
Survival wind speed:	No limit
Yaw system:	Active UP Wind including cable untwist
Operational temperature:	-10 C° to + 40 C°

## Rotor

Blade Type:	OLW 620 Passive Stall with tip brakes.
Rotation direction:	Clockwise
Number of blades:	3
Rotor Diameter:	13 m
Swept area:	133 m <sup>2</sup>
Blade material:	GRP
Rpm./min.	65
Tip speed:	45 m/s
Blade producer:	Olsen Wings

## Generator

Brand:	VEM Motors GmbH
Type:	G21R 200 L4 HW
Voltage:	3*400 + N
Frequency:	50 Hz
Rated Speed:	1525 rpm
Grid connection:	yes

## Gearbox

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

## Safety system

Brakes:	Electro mechanical fail safe MAYR 9/800.410.3
---------	--

## Tower

Type:	HSWind tilt
-------	-------------

## Control system

Producer:	Mita-Teknik
-----------	-------------



## Viking 25

### Development philosophy

The Viking 25 is developed by the best designers and engineers in Denmark to deliver the best product.

To make sure all requirements are met, Viking 25 will comply with the IEC 61400 - 2 standard.

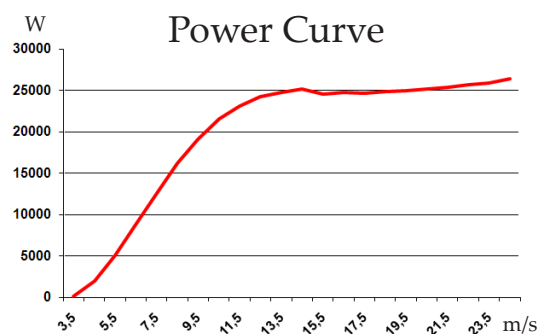
### Safety

All service and maintenance is done while on the ground. No climbing of the tower is required.

The two independent brake systems are both fail safe.

### Tilt tower

The Viking 25 is with tilt tower for easy installation and safety in case of hurricanes and other extremes.



## HSWind Viking 25

### Annual production (kWh)

Weibull k	Annual mean wind speed (m/s)				
	4	5	6	7	8
2	26.000	48.000	70.000	90.500	108.500

