

V112-3.45 MW[®]

IEC IA

Facts & figures

POWER REGULATION

Pitch regulated with variable speed

OPERATING DATA

Rated power	3,450 kW
Cut-in wind speed	3 m/s
Cut-out wind speed	25 m/s
Re cut-in wind speed	23 m/s
Wind class	IEC IA
Standard operating temperature range from -20°C* to +45°C with de-rating above 30°C	

*subject to different temperature options

SOUND POWER

(Sound Optimised Modes dependent on site and country)

ROTOR

Rotor diameter	112 m
Swept area	9,852 m ²
Air brake	full blade feathering with 3 pitch cylinders

ELECTRICAL

Frequency	50/60 Hz
Converter	full scale

GEARBOX

Type	two planetary stages and one helical stage
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TOWER

Hub height	69 m (IEC IA) and 94 m (IEC IA)
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NACELLE DIMENSIONS

Height for transport	3.4 m
Height installed (incl. CoolerTop®)	6.9 m
Length	12.8 m
Width	4.2 m

HUB DIMENSIONS

Max. transport height	3.8 m
Max. transport width	3.8 m
Max. transport length	5.5 m

BLADE DIMENSIONS

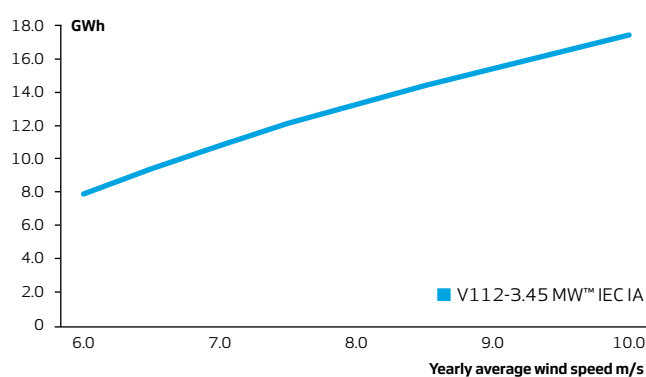
Length	54.7 m
Max. chord	4 m

Max. weight per unit for transportation	70 metric tonnes
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TURBINE OPTIONS

- High Wind Operation
- Power Optimised Mode
- Condition Monitoring System
- Service Personnel Lift
- Vestas Ice Detection
- Vestas De-Icing
- Low Temperature Operation to - 30°C
- Fire Suppression
- Shadow detection
- Increased Cut-In
- Nacelle Hatch for Air Inlet
- Aviation Lights
- Aviation Markings on the Blades
- Vestas IntelliLight™

ANNUAL ENERGY PRODUCTION



Assumptions
 One wind turbine, 100% availability, 0% losses, k factor = 2,
 Standard air density = 1.225, wind speed at hub height