

Title

Marble River Wind

Towns of Clinton and Ellenburg - Clinton County, New York

Computer Model of Proposed Turbine
Vestas V112

June 2010

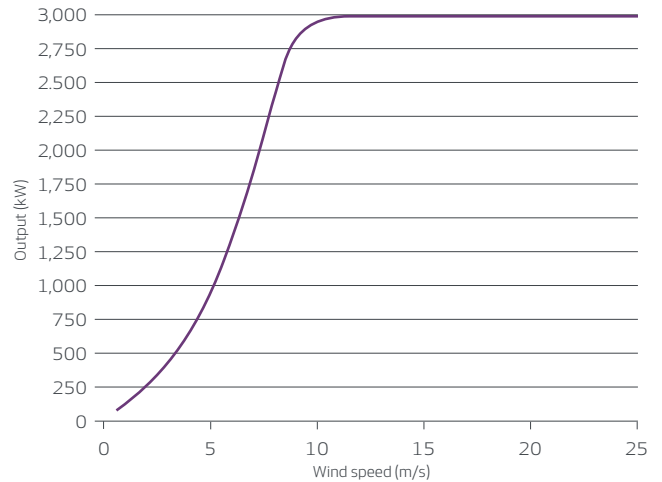
Author



TECHNICAL DATA FOR V112-3.0 MW

Power regulation	pitch regulated with variable speed
Operating data	
Rated power	3000 kW
Cut-in wind speed	3 m/s
Rated wind speed	12 m/s
Cut-out wind speed	25 m/s
Wind Class - IEC	IIA/IIIA
Max. altitude	1500 m
Operational temperature range	standard range -20°C to 40°C low temperature option -30°C to 40°C
Sound power	
7 m/s	100 dB(A)
8 m/s	102.8 dB(A)
10 m/s	106.5 dB(A)
By 95% rated power	106.5 dB(A)
Rotor	
Rotor diameter	112 m
Swept area	9852 m ²
Tower	
Type	turbular steel tower
Hub heights	84, 94 and 119 m
Electrical	
Frequency	50 Hz
Converter type	full converter
Generator type	permanent magnet generator
Main dimensions	
Blade	
Length	54.6 m
Max. cord	4 m
Nacelle	
Height for transport	3.3 m
Height installed	3.9 m
Width	3.9 m
Length	14 m
Tower	
Max. section length	32.5 m
Max. diameter	4.2 m
Hub	
Height	3.9 m
Diameter	3.2 m
Max. weight per unit for transportation	70 metric tonnes

Power curve V112-3.0 MW



This product will not be marketed in the USA and Canada.
All specifications subject to change without notice.