

V12 500 (Ventis)

Main data

Rated power: 500 kW
Rotor diameter: 40 m
Old model
Offshore model: no

Rotor

Number of blades: 2
Type: Pitch
Swept area: 1256.6 m²
Power density: 2.51 m²/kW
Maximum speed: 34 rd/min

Tower

Minimum hub height: 43,5 m
Maximum hub height: 55 m

Weights

Nacelle: 25 t
Rotor + hub: 11 t
Tower: 53 t
Total: 89 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 46
Manufacturer: PIV

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1537 rd/min
Voltage: 690 V