

V20 100 (Ventis)

Main data

Rated power: 100 kW

Rotor diameter: 20 m

Old model

Offshore model: no

Commissioning: 1991

Rotor

Number of blades: 2

Type: Pitch

Swept area: 314.2 m²

Power density: 3.14 m²/kW

Maximum speed: 61 rd/min

Tower

Minimum hub height: 30,5 m

Maximum hub height: 42,5 m

Weights

Nacelle: 3,6 t

Tower: 19,2 t

Gearbox

Gearbox: yes

Stages: 2

Gear ratio: 25

Wind speeds

Cut-in wind speed: 3,3 m/s

Rated wind speed: 13 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC

Number: 1

Voltage: 400 V