

V82/1650 (Vestas)

Main data

Rated power: 1650 kW
Rotor diameter: 82 m
Old model
Class: IEC II/III
Offshore model: no
Commissioning: 2003

Rotor

Number of blades: 3
Type: Stall
Swept area: 5281 m²
Power density: 3.2 m²/kW
Maximum speed: 14 rd/min

Tower

Minimum hub height: 59 m
Maximum hub height: 80 m

Weights

Nacelle: 52 t
Rotor + hub: 43 t
Tower: 72 - 127 t
Total: 167 - 222 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 70

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 20 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1000 rd/min
Voltage: 690 V