

K100 (Kenersys)

Main data

Rated power: 2500 kW
Rotor diameter: 100 m
Old model
Class: IEC IIa (DIBt III)
Offshore model: no
Commissioning: 2009

Rotor

Number of blades: 3
Type: Pitch
Swept area: 7854 m²
Power density: 3.14 m²/kW
Maximum speed: 14,1 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 85 m
Maximum hub height: 135 m

Weights

Nacelle: 90 t
Rotor + hub: 55 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 117
Manufacturer: Bosch

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s

Generator

Type: SYNC PM
Number: 1
Maximum speed: 1650 rd/min
Voltage: 600 V