

WD52-800kW (Windey)

Main data

Rated power: 800 kW
Rotor diameter: 52 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Swept area: 2123.7 m²
Power density: 2.65 m²/kW
Maximum speed: 22,5 rd/min

Tower

Minimum hub height: 50 m
Maximum hub height: 65 m

Weights

Nacelle: 23 t
Tower: 90 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 67
Manufacturer: Flender

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 17 m/s
Cut-off wind speed: 25 m/s

Generator

Type: IND
Number: 1
Maximum speed: 1520 rd/min
Voltage: 690 V
Manufacturer: Loher, Weier