

100 (Alstom Power)

Main data

Rated power: 3000 kW
Rotor diameter: 100.8 m
Available
Class: IEC Ia
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 7980.1 m²
Power density: 2.66 m²/kW
Maximum speed: 14,2 rd/min

Tower

Minimum hub height: 75 m
Maximum hub height: 100 m

Weights

Tower: 145 - 340 t

Gearbox

Gearbox: yes
Stages: 3

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC DF
Number: 1
Maximum speed: 1800 rd/min
Voltage: 1000 V