

80 (Alstom Power)

Main data

Rated power: 1670 kW

Rotor diameter: 80 m

Old model

Class: IEC IIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 5026.5 m²

Power density: 3.01 m²/kW

Maximum speed: 17,9 rd/min

Tower

Minimum hub height: 74 m

Maximum hub height: 86 m

Weights

Nacelle: 64 t

Rotor + hub: 18 t

Tower: 126 t

Total: 208 t

Gearbox

Gearbox: yes

Stages: 3

Wind speeds

Cut-in wind speed: 3 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC DF

Number: 1

Voltage: 690 V