

S70 (Nordex)

Main data

Rated power: 1500 kW
Rotor diameter: 70 m
Old model
Class: IEC IIa (DIBt II - III)
Offshore model: no
Commissioning: 1998

Rotor

Number of blades: 3
Type: Pitch
Swept area: 3848.5 m²
Power density: 2.57 m²/kW
Maximum speed: 19 rd/min
Manufacturer: LM Glasfiber, Nordex

Tower

Minimum hub height: 65 m
Maximum hub height: 114,5 m
Manufacturer: SeeBA

Weights

Nacelle: 56 t
Rotor + hub: 32 t
Tower: 100 - 145 t
Total: 188 - 233 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 94
Manufacturer: Eickhoff, Metso, Winergy

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1950 rd/min
Voltage: 690 V
Manufacturer: VEM, Winergy