

48700 (Ecotecnia)

Main data

Rated power: 700 kW
Rotor diameter: 48 m
Old model
Class: IEC II
Offshore model: no

Rotor

Number of blades: 3
Swept area: 1809.6 m²
Power density: 2.59 m²/kW
Maximum speed: 24 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 45 m
Maximum hub height: 55 m

Weights

Nacelle: 27,6 t
Rotor + hub: 6,5 t
Tower: 55 t
Total: 89,1 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 63
Manufacturer: Pujol Muntala

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 14,5 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 2
Maximum speed: 1518 rd/min
Voltage: 690 V
Manufacturer: Siemens