

HSW 750/48 (HSW Husumer Schiffswerft)

Main data

Rated power: 750 kW
Rotor diameter: 48.4 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1839.8 m²
Power density: 2.45 m²/kW
Maximum speed: 22,5 rd/min
Manufacturer: LM Glasfiber

Tower

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

Weights

Nacelle: 22 t
Rotor + hub: 10 t
Tower: 63 t
Total: 95 t

Gearbox

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

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 20 m/s

Generator

Type: IND
Number: 1
Maximum speed: 1520 rd/min
Voltage: 690 V