

Z-50 (Zond)

Main data

Rated power: 750 kW
Rotor diameter: 50 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Swept area: 1963.5 m²
Power density: 2.62 m²/kW
Maximum speed: 32,3 rd/min

Tower

Minimum hub height: 55 m
Maximum hub height: 65 m

Weights

Nacelle: 21,5 t
Rotor + hub: 14,5 t
Tower: 49 t
Total: 85 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 41
Manufacturer: Jahnelt Kestermann

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 11,3 m/s
Cut-off wind speed: 29 m/s

Generator

Type: ASYNC DF
Number: 1
Maximum speed: 1310 rd/min
Voltage: 690 V