

Falcon 1.25 MW-64 (Innovative Windpower)

Main data

Rated power: 1250 kW
Rotor diameter: 64 m
Old model
Class: IEC II
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 3217 m²
Power density: 2.57 m²/kW
Maximum speed: 25 rd/min

Tower

Minimum hub height: 60 m
Maximum hub height: 100 m

Weights

Nacelle: 38 t
Rotor + hub: 24 t
Tower: 65 t
Total: 127 t

Gearbox

Gearbox: yes
Stages: 2

Wind speeds

Cut-in wind speed: 1,5 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 24,5 m/s

Generator

Type: SYNC PM
Number: 1
Maximum speed: 292 rd/min
Voltage: 690 V