

CWT 500 (Carter)

Main data

Rated power: 500 kW
Rotor diameter: 36.6 m
Old model
Offshore model: no

Rotor

Number of blades: 2
Type: Stall
Swept area: 1052.1 m²
Power density: 2.1 m²/kW
Maximum speed: 45 rd/min

Tower

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

Weights

Nacelle: 4,5 t
Rotor + hub: 1,6 t
Tower: 12,6 t
Total: 18,7 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 40

Wind speeds

Cut-in wind speed: 1,5 m/s
Rated wind speed: 14,3 m/s
Cut-off wind speed: 26,8 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1836 rd/min
Voltage: 480 V