

CWT 300 (Carter)

Main data

Rated power: 300 kW
Rotor diameter: 30 m
Old model
Offshore model: no

Rotor

Number of blades: 2
Type: Stall
Swept area: 706.9 m²
Power density: 2.36 m²/kW
Maximum speed: 50 rd/min

Tower

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

Weights

Nacelle: 3,9 t
Rotor + hub: 2 t
Tower: 8,1 t
Total: 14 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 36

Wind speeds

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

Generator

Type: ASYNC
Number: 1
Maximum speed: 1827 rd/min
Voltage: 480 V