

GC54 (GC China Turbine Corp)

Main data

Rated power: 1000 kW

Rotor diameter: 54 m

Old model

Class: IEC I

Offshore model: no

Rotor

Number of blades: 2

Type: Stall

Swept area: 2290.2 m²

Power density: 2.29 m²/kW

Maximum speed: 24,8 rd/min

Tower

Minimum hub height: 60 m

Maximum hub height: 70 m

Weights

Tower: 47 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 62,354

Wind speeds

Cut-in wind speed: 4 m/s

Rated wind speed: 15 m/s

Cut-off wind speed: 25 m/s

Generator

Voltage: 690 V