

HS139 (Hyosung)

Main data

Rated power: 5000 kW

Rotor diameter: 139 m

Old model

Class: IEC IIb

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 15174.7 m²

Power density: 3.03 m²/kW

Maximum speed: 11,8 rd/min

Tower

Minimum hub height: 100 m

Maximum hub height: 100 m

Weights

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 93

Manufacturer: Hyosung

Wind speeds

Cut-in wind speed: 3,4 m/s

Rated wind speed: 11 m/s

Cut-off wind speed: 25 m/s

Generator

Type: SYNC PM

Number: 1

Maximum speed: 1096 rd/min

Voltage: 3300 V

Manufacturer: Hyosung