V39-500 (RRB Energy)

Main data

Rated power: 500 kW
Rotor diameter: 47 m
Available
Class: IEC II/III
Offshore model: no
Licence: Vestas

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1734.9 m2
Power density: 3.47 m2/kW
Maximum speed: 26 rd/min

Tower

Minimum hub height: 48 m
Maximum hub height: 49 m

Weights

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 58,2

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 14,5 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1515 rd/min
Voltage: 690 V