

44/500 (NedWind)

Main data

Rated power: 500 kW
Rotor diameter: 43.8 m
Old model
Class: IEC III
Offshore model: no

Rotor

Number of blades: 2
Type: Pitch
Swept area: 1506.7 m²
Power density: 3.01 m²/kW
Maximum speed: 32 rd/min
Manufacturer: Rotorline

Tower

Minimum hub height: 40 m
Maximum hub height: 65 m

Weights

Nacelle: 28,5 t
Tower: 44,7 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 47
Manufacturer: Jahnel Kestermann

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 400 V
Manufacturer: ABB