

E40/500 (Enercon)

Main data

Rated power: 500 kW

Rotor diameter: 40 m

Old model

Offshore model: no

Commissioning: 1993

Rotor

Number of blades: 3

Type: Pitch

Swept area: 1256.6 m²

Power density: 2.51 m²/kW

Maximum speed: 34 rd/min

Manufacturer: Enercon

Tower

Minimum hub height: 42 m

Maximum hub height: 65 m

Weights

Nacelle: 26,5 t

Rotor + hub: 120 t

Gearbox

Direct drive

Wind speeds

Cut-in wind speed: 2,5 m/s

Rated wind speed: 13,5 m/s

Cut-off wind speed: 25 m/s

Generator

Type: SYNC Wounded

Number: 1

Maximum speed: 38 rd/min

Voltage: 440 V

Manufacturer: Enercon

