

STX82 2.0 MW (STX Windpower)

Main data

Rated power: 2000 kW

Rotor diameter: 82.7 m

Old model

Class: IEC IIb

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 5371.6 m²

Power density: 2.69 m²/kW

Maximum speed: 18,5 rd/min

Manufacturer: LM Glasfiber

Tower

Minimum hub height: 80 m

Maximum hub height: 88 m

Weights

Gearbox

Direct drive

Wind speeds

Cut-in wind speed: 3,5 m/s

Rated wind speed: 13 m/s

Cut-off wind speed: 25 m/s

Generator

Type: SYNC PM

Number: 1

Maximum speed: 18,5 rd/min

Voltage: 690 V