

STX82 1.5 MW (STX Windpower)

Main data

Rated power: 1500 kW
Rotor diameter: 82.7 m
Old model
Class: IEC IIIb
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5371.6 m²
Power density: 3.58 m²/kW
Maximum speed: 18,5 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 100 m
Maximum hub height: 115 m

Weights

Gearbox

Direct drive

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: SYNC PM
Number: 1
Maximum speed: 18,5 rd/min
Voltage: 690 V