

aM 1.5/87 (Aerodyn Energiesysteme GmbH)

Main data

Rated power: 1500 kW
Rotor diameter: 86.7 m
Available
Class: TC3A (IEC IIIa)
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5903.8 m²
Power density: 3.94 m²/kW
Maximum speed: 17,6 rd/min

Tower

Minimum hub height: 80 m
Maximum hub height: 80 m

Weights

Nacelle: 61,5 t
Rotor + hub: 32,6 t

Gearbox

Gearbox: yes
Stages: 3

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 11 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Number: 1
Voltage: 690 V