

AV 1010 (Avantis)

Main data

Rated power: 2300 kW
Rotor diameter: 100.6 m
Old model
Class: IEC IIIa
Offshore model: no

Rotor

Number of blades: 3
Swept area: 7948.5 m²
Power density: 3.46 m²/kW
Maximum speed: 16 rd/min
Manufacturer: Avantis

Tower

Minimum hub height: 99 m
Maximum hub height: 99 m

Weights

Nacelle: 75 t
Rotor + hub: 40 t
Tower: 180 t
Total: 295 t

Gearbox

Direct drive

Wind speeds

Cut-in wind speed: 2 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: SYNC PM
Number: 1
Maximum speed: 16 rd/min
Voltage: 690 V
Manufacturer: Avantis