

Primary braking system

Safety braking system

Design lifetime

Rotor diameter

Number of blades

Blades connection

Rated shaft running speed

Peak shaft running speed

Rotor aerodynamic efficiency

Power at peak shaft running speed

Rated power at peak shaft running speed

Hub link to shaft

Shaft tilt angle

Rated torque

Generator type

Number of poles

Generator Cooling media

Converter Cooling media

Nacelle (with Helideck)

Rated voltage

Converter type

Type

Ratio

Type

Total

Diameter Rotor

Senerator and

Tower

Masses

Swept area

Type class

5000 kW 5680 kW 3.4 m/s 12 m/s 25 m/s

70 m/s

25 years

IEC 1A

120 m

2

Active yawing

Active yawing Disk brake on LSS

Rigidly mounted on hub

2.5 stages planetary

Asynchronous, squirrel cage

IGBT Bi-directional Full Power

Teetering hinge 11310 m²

20.2 rpm

22.9 rpm

6500 kW

34.81:1

6100 kW

3.3 kV

Water Cylindrical

5 m

79 t

187 t 266 t

8

Air

2720 kNm

7 deg

0.48

| C | ONDOR IND ENERGY | Cona |
|---------|------------------------------------|-------------------------|
| | 5 MW Two-Bladed Wind T | urbine - Technical Data |
| General | Rated power (at transformer inlet) | |
| | Peak power (at transformer inlet) | |
| | Cut-in | |
| | Rated wind speed | |
| | Cut-out | |
| | Survival wind speed | |
| | Power control | Ac |