



E-147 EP5 E2

5,000 kW



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ENERCON
ENERGY FOR THE WORLD

TECHNICAL DATA

E-147 EP5 E2

Last updated: 08/2019. Technical information subject to change.

GENERAL

| | |
|---|---|
| Nominal power | 5,000 kW |
| Wind class (IEC) | IEC IIA |
| Wind zone (DIBt) | WZ 2 GK II / WZ 3 GK II |
| Turbine concept | gearless, variable speed, full power converter |
| Design service life | 20 years |
| Cut in wind speed | 2.5 m/s |
| Cut out wind speed | 25 m/s |
| Extreme wind speed at hub height (3-second gust) | 59.5 m/s |
| Rotational speed | 4.0 - 11.0 rpm |
| Ambient temperature for normal operation | -10 °C / -20 °C to +30 °C / +40 °C |
| Extreme temperature range | -20 °C to +50 °C |
| Grid feed / control system | IGBT-Control |
| Grid frequency | 50 Hz / 60 Hz |
| Sound power level | 95.5 - 106.4 dB(A)* Yield and noise-optimised operation. Further modes on request. |

ROTOR

| | |
|-----------------------|---|
| Rotor diameter | 147 m |
| Type | upwind rotor with active pitch control |

TOWER

| | | | |
|-------------------|---------------|----------------|-----------------|
| Hub height | IEC IA | IEC IIA | IEC IIIA |
| | | 126 m | 155 m |

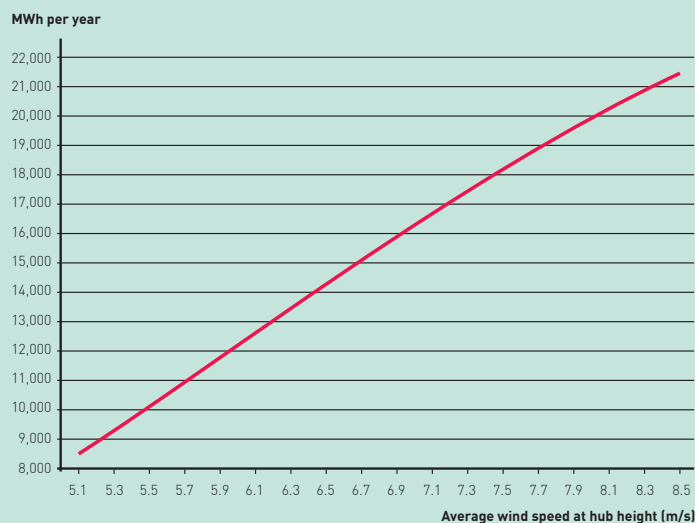
GENERATOR

| | |
|-----------------------|---|
| Type | multi-pole synchronous generator (PMG) |
| Cooling system | air cooling system |

FEATURES

| | STANDARD | OPTIONAL |
|-------------------------------------|----------|----------|
| FACTS and transmission | X | |
| ENERCON SCADA | X | |
| ENERCON storm control | X | |
| Low radar reflectivity rotor blades | X | |
| Shadow shutdown | X | |
| Ice detection system | | X |
| Sector management for wind farms | | X |
| Beacon management for wind farms | | X |

ANNUAL ENERGY YIELD



— E-147 EP5 / 5,000 kW

* dependent on hub height