

REN

ELECTRON

REN WIND 250

Tutta l'affidabilità di un progetto pluridecorato e di un partner con un importante track record nel mondo delle rinnovabili

All the reliability of a highly decorated design and a partner with a significant track record in the renewable energy world

TURBINA / TURBINE

Configurazione: 3 pale, asse orizzontale
Configuration: 3 blades, horizontal axis

Potenza nom.: 250 Kw
Nominal power : 250 Kw

Altezza HUB: 30/36/50 Mt
Hub height: 30/36/50 Mt

Peso totale: 28/32/46 Tons
Total weight: 28/32/46 Tons

Peso torre: 14/18/32 Tons
Tower weight: 14/18/32 Tons

ROTORE / ROTOR

Diametro: 31 Mt
Diameter: 31 Mt

Area spazzata: 754,385 Mq
Swept area: 754,385 Mq

Limitazione pot.: stallo
Power limit: passive stall

DATI OPERATIVI/OPERATING DATA

Velocità di CUT-IN: 3 Mt/sec
Cut-in speed: 3 Mt/sec

Velocità di CUT-OUT: 25 Mt/sec
Cut-out speed: 25 Mt/sec

Velocità di sopravvivenza: 70 Mt/sec
Survival speed: 70 Mt/sec

Velocità del rotore: 37/24,58 Rpm
Rotor speed: 37/24,58 Rpm

GENERATORE / GENERATOR

Tipo: asincrono, doppia velocità, trifase 4/6 poli
Type: async., double speed, three-phase 4/6 pole

Potenza nominale: 250 Kw
Nominal power: 250 Kw

Volts nominali: 400 V AC - 50 Hz
Nominal volts: 400 V AC - 50 Hz

Velocità nominale: 1520/1010 Rpm
Nominal speed: 1520-1010 Rpm

Classe d'isolamento: H
Insulation class: H

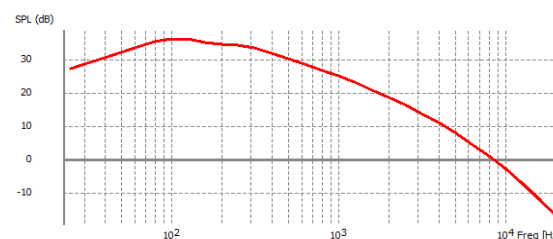
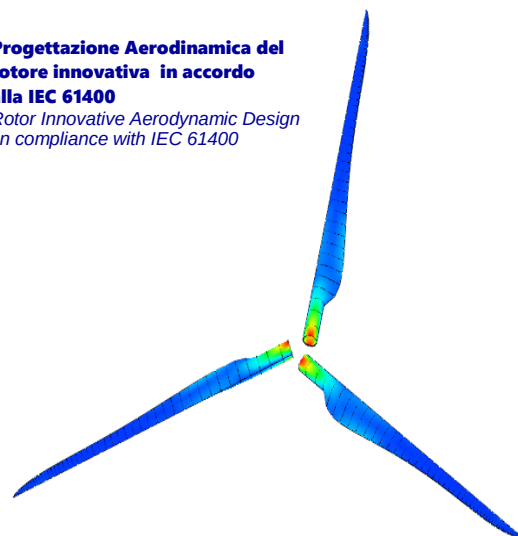
Protezione: IP 54
Protection: IP 54

Marcatura CE
CE Conformity

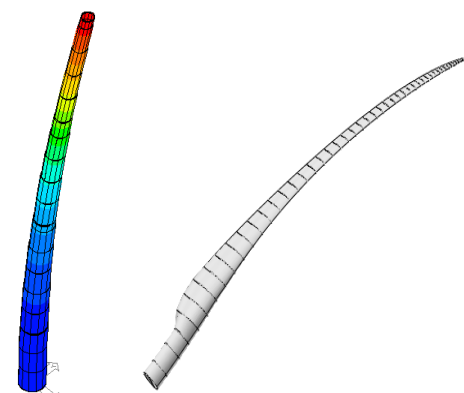


Progettazione Aerodinamica del rotore innovativa in accordo alla IEC 61400

Rotor Innovative Aerodynamic Design in compliance with IEC 61400



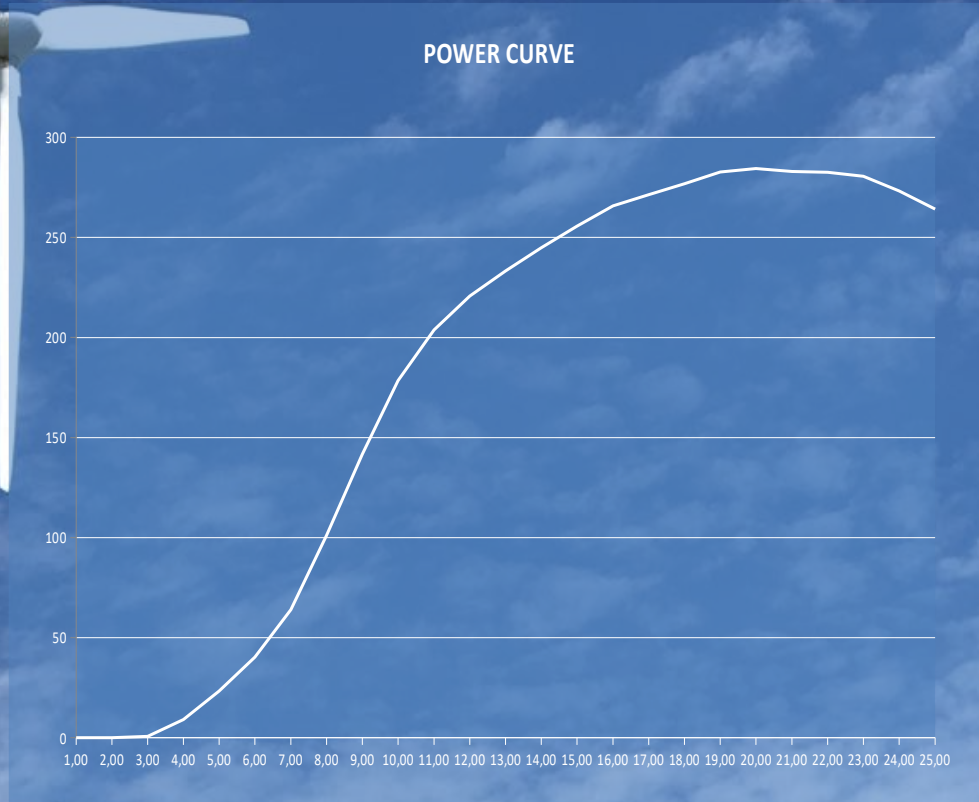
Rumorosità calcolata a 100 m @ 10 m/s
Noise Level at 100 m 10 m/s



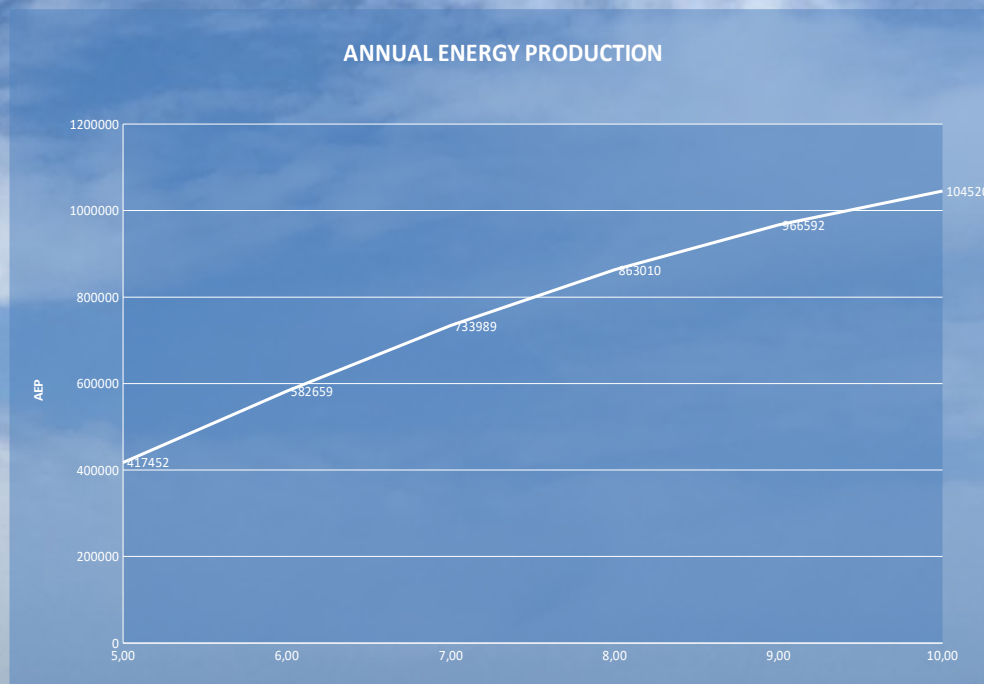
Analisi Strutturale e Dinamica dei componenti della Turbina
Turbine components structural and dynamic analysis

REN WIND 250

POWER CURVE



ANNUAL ENERGY PRODUCTION





REN ELECTRON SRL

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Disclaimer:
Technical Specification, Power Curve etc. are subject to
change without notice due to continual improvement with
no liability attached to REN ELECTRON SRL.