



REN electron

REN WIND 60_30

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.: 60 Kw
Nominal power : 60 Kw

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

Peso totale: 20/24 Tons
Total weight:20/24 Tons

Peso torre: 12/16Tons
Tower weight: 12/16 Tons

ROTORE / ROTOR

Diametro: 30 Mt
Diameter: 30 Mt

Area spazzata: 706,85 Mq
Swept area: 706,85 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: 25/16.61 Rpm
Rotor speed: 25/16.61 Rpm

GENERATORE / GENERATOR

Tipo: asincrono, due velocità, trifase 4/6 poli
Type: async., 2-speed, three-phase 4/6 pole

Potenza nominale: 60/11 Kw
Nominal power: 60/11 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

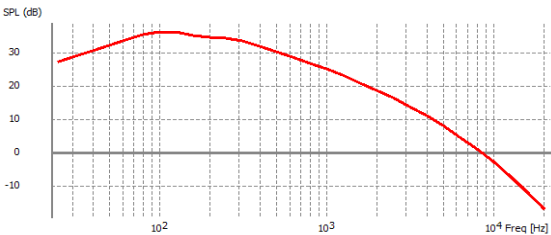
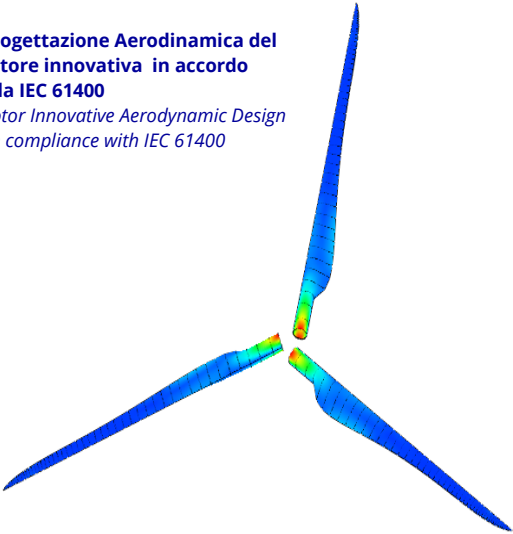
Classe d'isolamento: H
Insulation class: H

Protezione: IP 54
Protection: IP 54

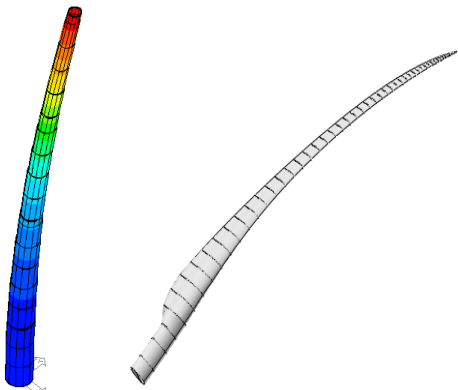
Marcatura CE
CE Conformity



Progettazione Aerodinamica del rotore innovativa in accordo alla IEC 61400
Rotor Innovative Aerodynamic Design in compliance with IEC 61400



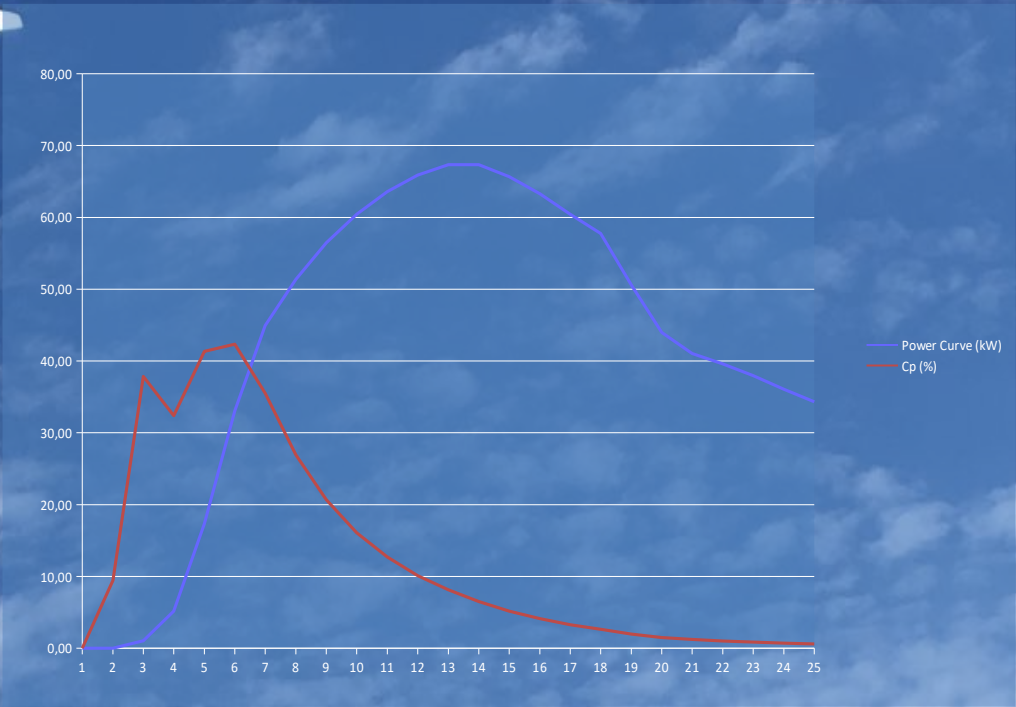
Rumorosità calcolata a 100 m @ 10 m/s
Noise Level at 100 m 10 m/s



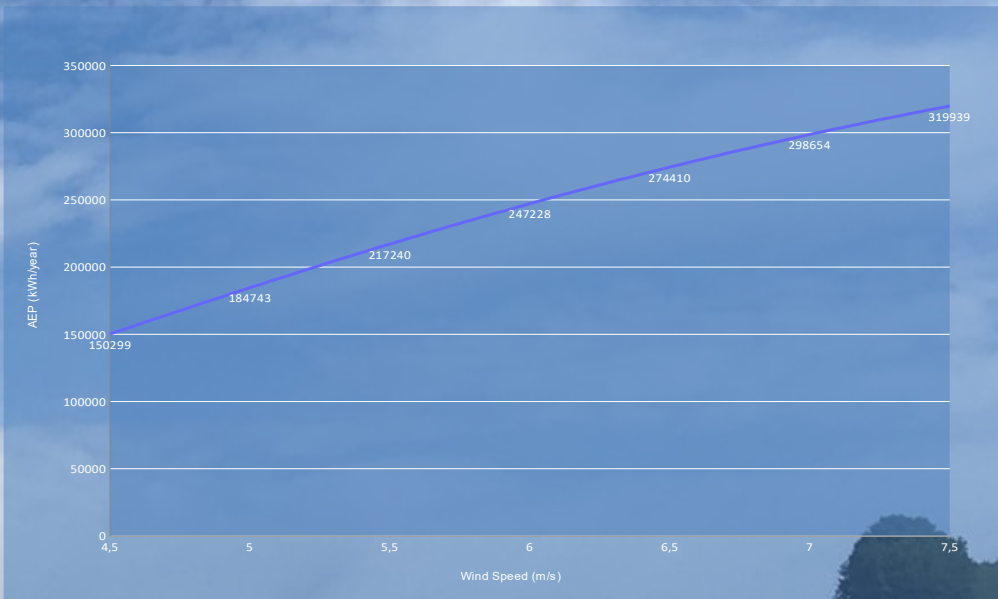
Analisi Strutturale e Dinamica dei componenti della Turbina
Turbine components structural and dynamic analysis

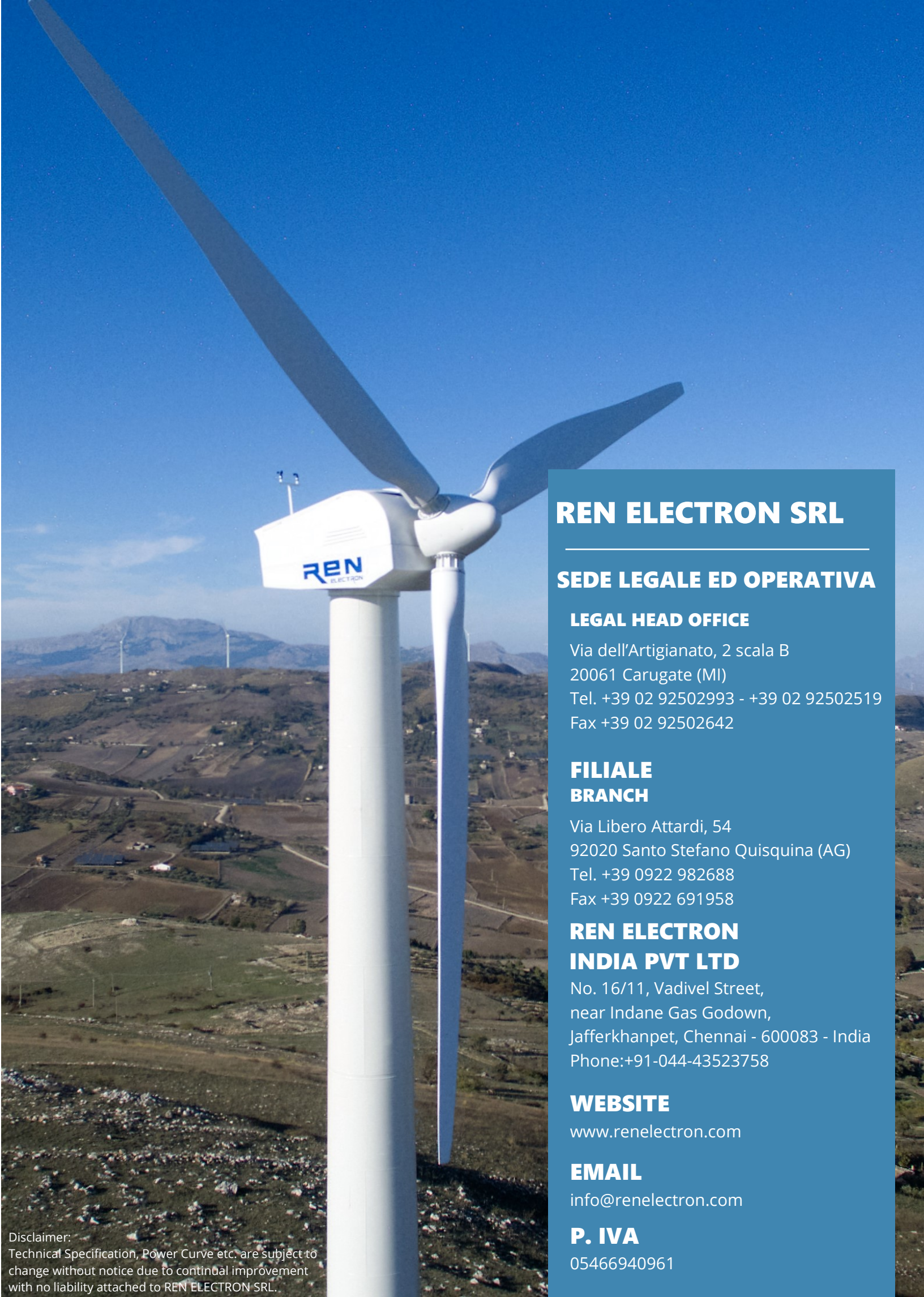
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POWER CURVE



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.