



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: 30/36/45/50 Mt
Hub height: 30/36/45/50 Mt

Peso totale: 28/32/44/46 Tons
Total weight: 28/32/44/46 Tons

Peso torre: 14/18/30/32 Tons
Tower weight: 14/18/30/32 Tons

ROTORE / ROTOR

Diametro: 32 Mt
Diameter: 32 Mt

Area spazzata: 804,25 Mq
Swept area: 804,25 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: tra 35 Rpm e 23,26 Rpm
Rotor speed: between 35 Rpm and 23,26 Rpm

GENERATORE / GENERATOR

Tipo: asincrono, velocità variabile, trifase 6 poli
Type: async., variable speed, three-phase 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

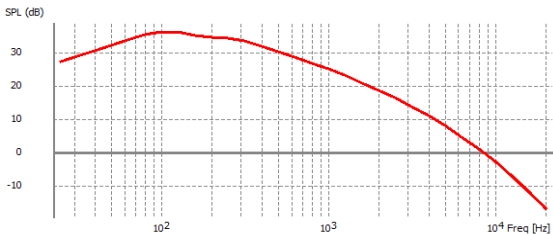
Classe d'isolamento: H
Insulation class: H

Protezione: IP 54
Protection: IP 54

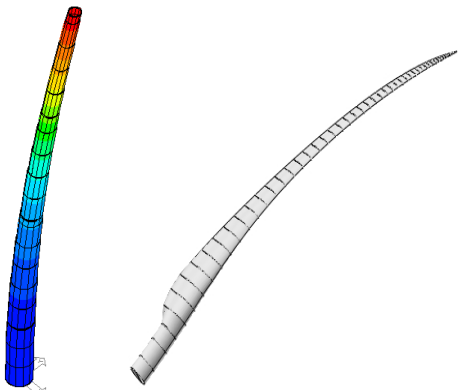
Marcatura CE
CE Conformity



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



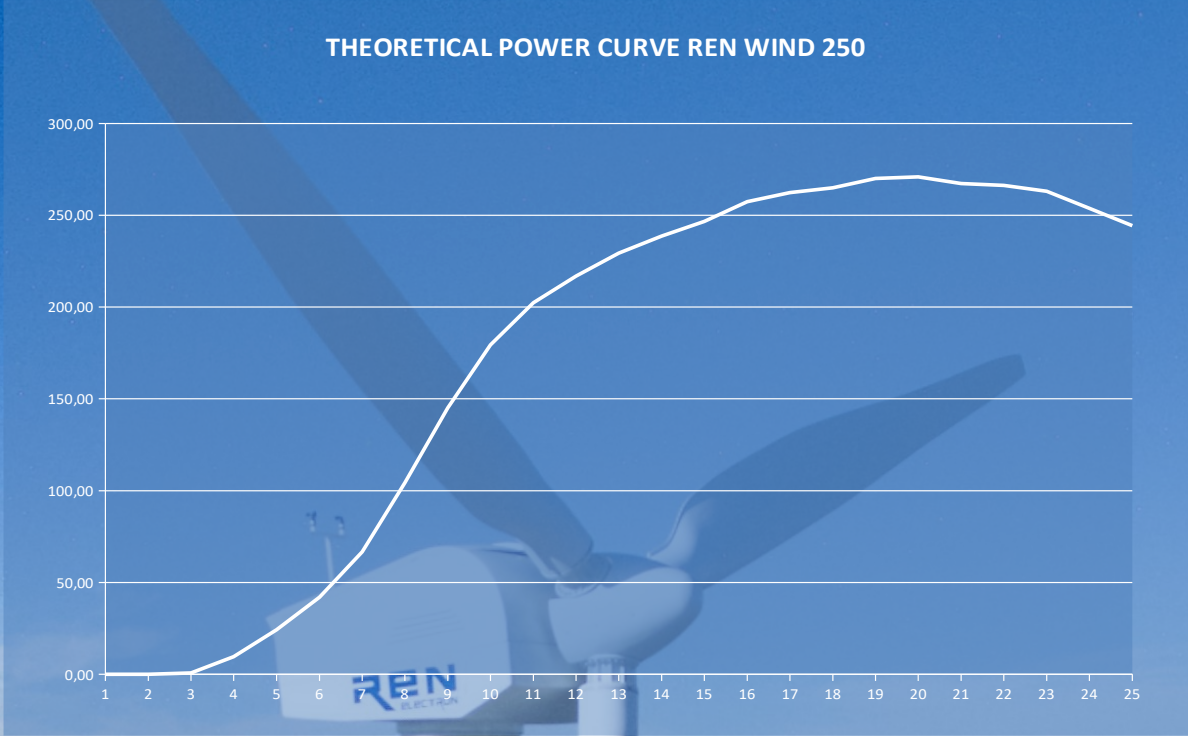
Rumorosità calcolata a 100 m @ 10 m/s
Noise Level at 100 m 10 m/s



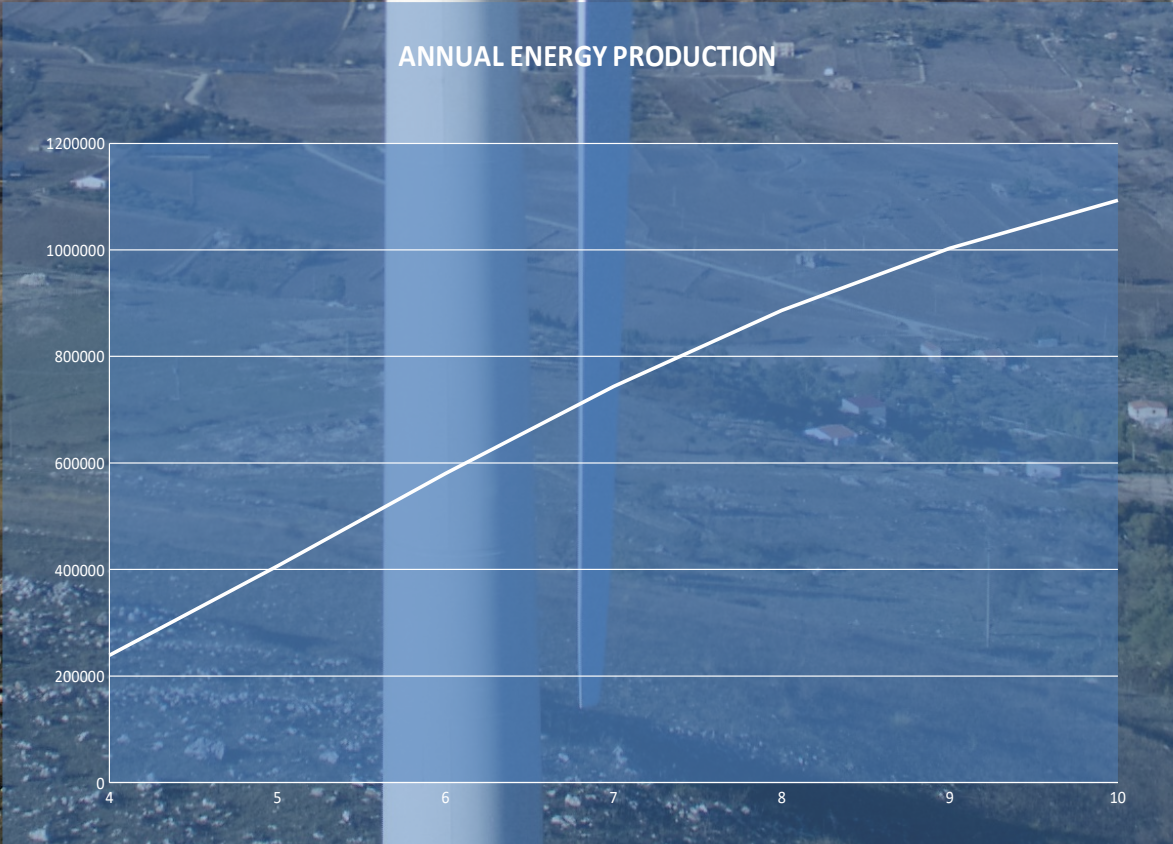
Analisi Strutturale e Dinamica dei componenti della Turbina
Turbine components structural and dynamic analysis

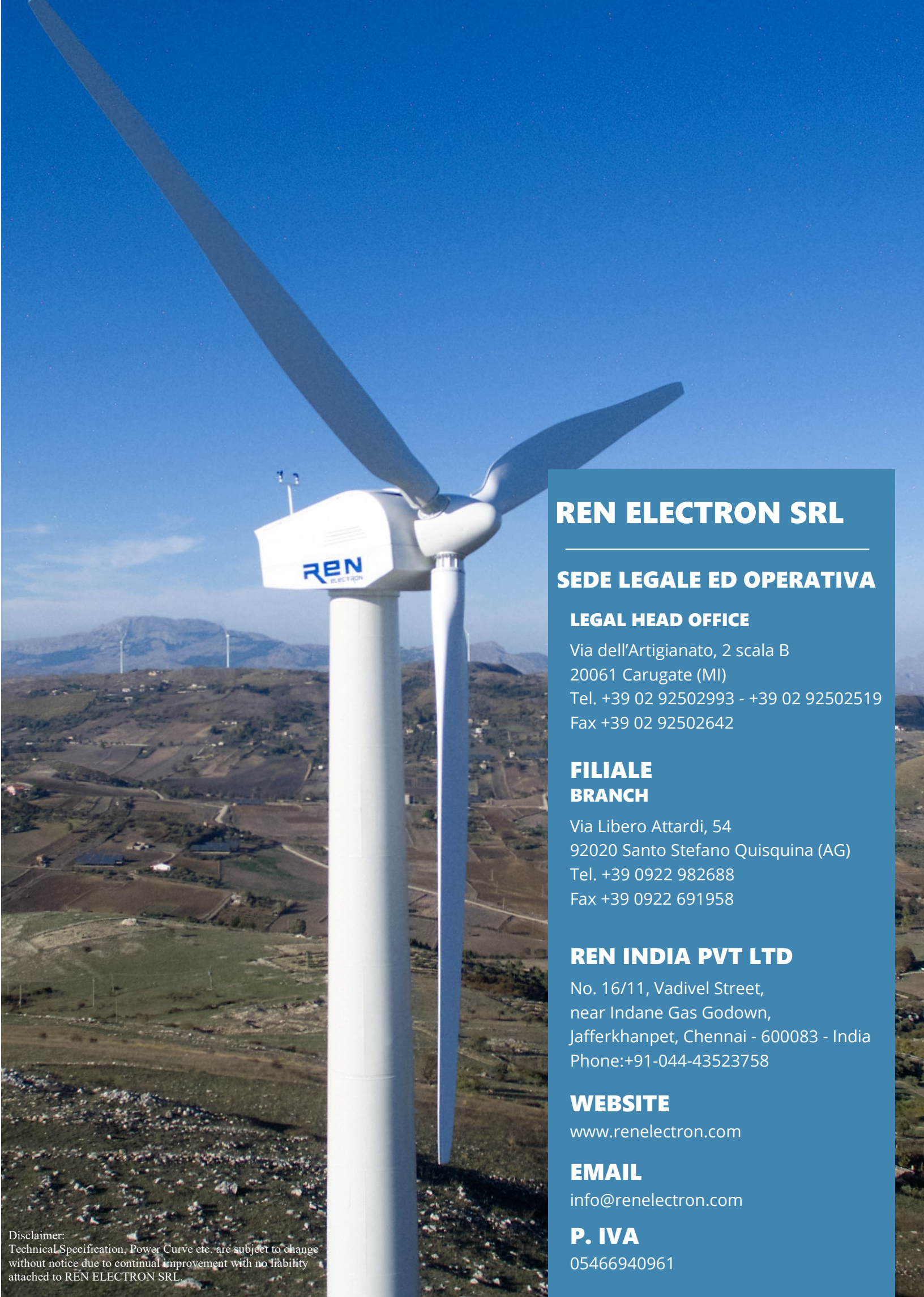
POWER CURVE

REN WIND 250



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.