Used & Refurbished Wind Turbine for sale

Unlocking the full value of the clean energy transition for our partners

repowerlab CIRCULAR ECONOMY

WIND TURBINE	POWER	TOWER	ROTOR
ECOTECNIA ECO 48	750 kW	55HH Tubular Steel Tower	48 m

Velocidad [m/s]	Potencia [kW]
4,5	32
5,5	69
6,5	120
7,5	187
8,5	286
9,5	399
10,5	517
11,5	619
12,5	694
13,5	739
14,5	749
15,5	747
16,5	736
17,5	720
18,5	701
19,5	684
20,5	667
21,5	655
22,5	648
23,5	644
24,5	645

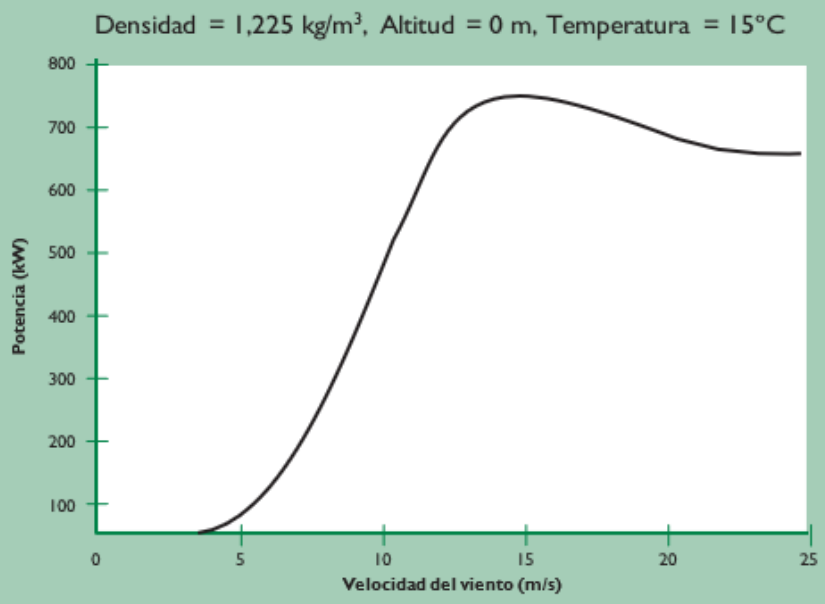

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Table of Technical Characteristics	
Wind turbine class according to IEC-1400	II
Annual average wind speed for which it is suitable Max.	8,5 m/s
Wind speed (average 10')	42,5 m/s
Extreme gust speed	59,5 m/s
Switch-on speed	2-3 m/s
Vcutout excessive wind shutdown speed (average 10')	25 m/s
Instantaneous shutdown speed (average 1s)	34 m/s
Designation	ECOTECNIA 48
Rotor orientation	Windward
Power control system	Aerodynamic loss with enhancement by means ofAerodynamic loss with improvement by means of additional devices
Hub height	55 m
Rotor diameter	48.38 m
Rotor area swept by rotor	1838 m2
Rated power	750 kW
Rotor speeds	16 and 24 r.p.m.
Maximum power (average 1 hour) 850 kW	850 kW
Maximum power (10 min average)	862 kW
Maximum instantaneous power	975 kW
Ambient operating temperature	From -10 to 40 C
Ambient temperature extremes	-20ºC to 50ºC
Lower tower diameter	3 m
Tower top diameter	1.6 m
Standard colour	RAL 7035
Aerodynamic Brake Type	Blade tip pivot
Hydraulic	Activation

RepowerLab is a company that specializes in circular wind energy, focusing on the principles of reuse, repurpose, and recycle. As a full-service supplier in the field of pre-owned wind turbines, RepowerLab is involved in various aspects of the wind turbine lifecycle.

Here's a breakdown of the services provided by RepowerLab:

- **Buying:** RepowerLab purchases pre-owned wind turbines that are no longer in use or are being decommissioned. This allows them to acquire turbines for refurbishment and resale.
- **Decommissioning:** RepowerLab is involved in the decommissioning process of wind turbines. This includes dismantling and removing turbines from their original location.
- **Selling:** RepowerLab sells pre-owned wind turbines that have been refurbished and brought back to operational condition. These turbines can be purchased by individuals, businesses, or organizations looking to invest in renewable energy.
- **Installation:** RepowerLab offers installation services for the wind turbines they sell. They can assist in setting up the turbines at the desired location, ensuring proper installation and functionality.

By focusing on the circular economy principles of reuse, repurpose, and recycle, RepowerLab aims to contribute to the sustainability and efficient use of wind energy resources. Their services provide an opportunity for the continued use of wind turbines and the reduction of waste in the renewable energy sector.

Your advantages

- **Cost-effective solution:** Used or reconditioned wind turbines offer a significantly reduced initial investment compared to traditional new turbine sales, while maintaining a solid LCOE.
- **Reduced transport costs:** Used or refurbished wind turbines of legacy models provide further cost reductions, as transport and installation are cheaper due to optimized transport concepts (e.g. containerized transport solutions).
- **Simple and cost-effective maintenance:** Maintenance is performed using standard tools and equipment in the installation and service industries, resulting in easy and cost-effective maintenance.