


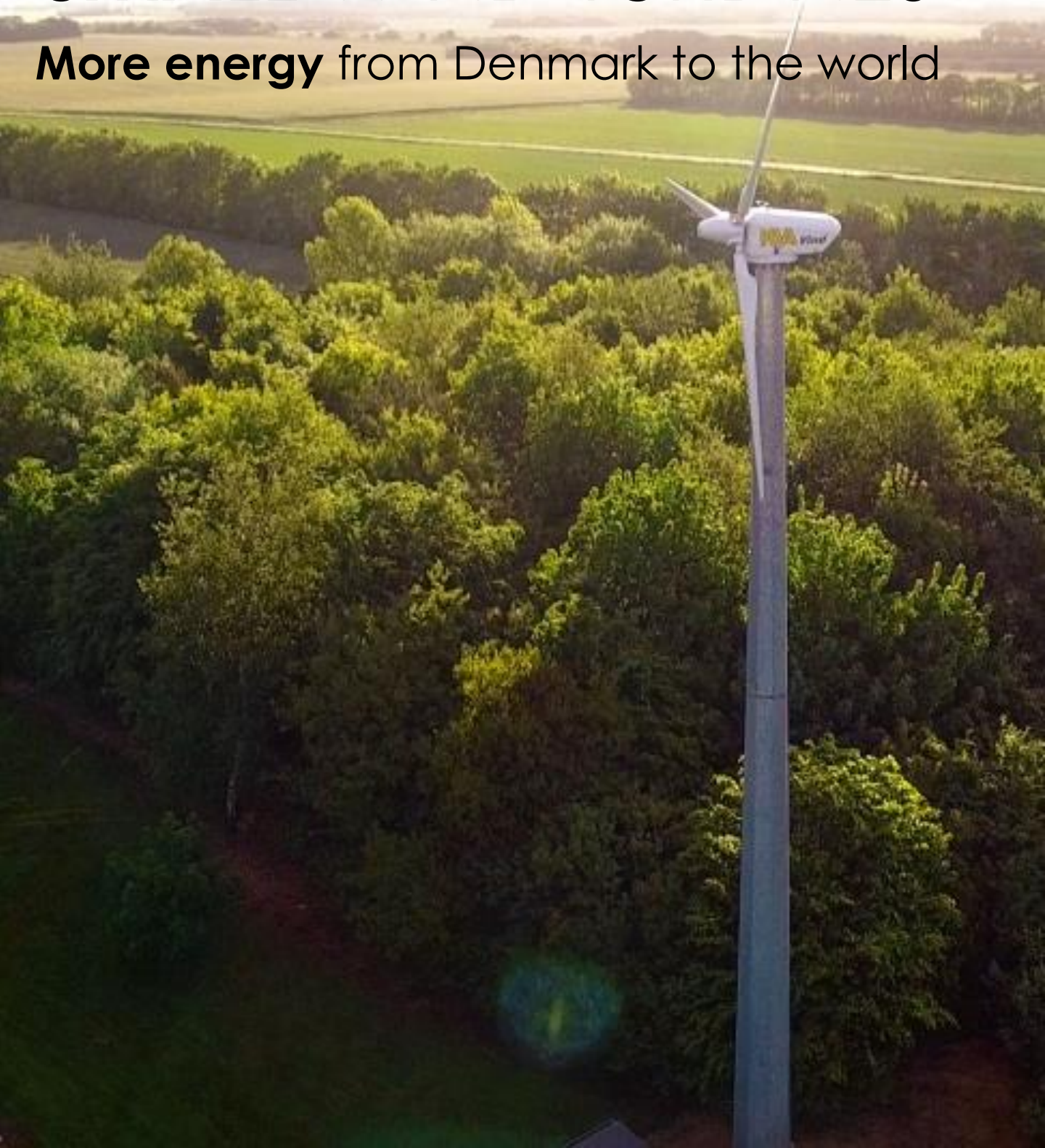
**KVA** *Wind Int.*

DANISH WIND TURBINE TRADITIONS

Produced   
in denmark

# SMALL WIND TURBINES

**More energy** from Denmark to the world





Borrisvej 10, Astrup  
DK-6900 Skjern, Denmark

For more information or interest please contact:

E-mail: [Info@kva-vind.dk](mailto:Info@kva-vind.dk)

Tel. +45 97364111

Web: [www.kva-vind.dk](http://www.kva-vind.dk)

# THE DANISH TURBINE FOR ANY MARKET DEMANDS



## KVA WIND 10-15

Thanks to the technical and aerodynamic characteristics which maximize wind production, KVA wind turbines adapts to a broad range of wind conditions, achieving the highest energy production and thus ensuring a faster return on investment.

- High profits for private and business
- Robust and innovative design and aerodynamic
- Maximum efficiency at low wind speed
- Good results of data for NVH (noise, vibration, harshness)
- Low noise
- Designed according to *International Standard*, IEC 61400-2
- Quick and easy installation
- Certified power curve in accordance to IEC 61400-12 & 22
- Real-time monitoring system
- Easy to service.
- Designed lifetime more than 20 years
- No Gearbox!

## High quality product

KVA Wind Int. is a Danish manufacturer of small wind turbines, with a certified product performance (by an accredited third party).

This confirms a high product quality and thereby guaranteeing a safe investment for customers.

The power curve and noise emissions of the KVA WIND10-15 wind turbine have been certified according to international standards, IEC61400-12 and IEC61400-11.

# Attractive Wind Energy Investment

## KVA WIND 10-15 - high functionality

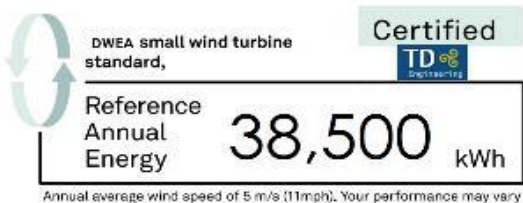
This wind turbine can produce up to 38.000 kWh at an average annual wind speed of 5,5 m/s, ideal performance for an investment guaranteed during the lifetime. Silent, reliable, with the characteristics of a large wind turbine.

KVA WIND 10-15 can also be installed in suburban areas such as farms, shopping malls, campsites, small and medium enterprises.

KVA WIND 10-15 offers high power output even on sites with low wind speeds, thanks to such aerodynamic, mechanical characteristics as active pitch and yaw control. An advanced remote control system guarantees maximum availability and safety.

## High quality product

- Power curve certificated by TD Engineering according to IEC 61400-12 & 22
- Acoustic emissions certified by **ARBEJDSMILJØEksperter**
- Type Certification : Type A Danish Wind Certificate,



Produced in denmark 

## KVA WIND 10-15

Advanced solid technology and high quality turbine.

---

### TECHNICAL DATA

- Small Wind Turbine IEC Class III (average wind speed = 7.5 m/s)
- Up to 38,500 kWh/year at 5 m/s
- Rotor diameter: 10.7 m
- Swept Area: 89m<sup>2</sup>
- Hub height: 19.5m
- Cut in speed: 2.5 m/s
- Cut out speed: 25m/s
- Rated speed: 8.5m/s
- Active pitch
- Active yaw
- Synchronous generator with permanent magnets, 15 kW
- Two braking systems such as pitch and disc.

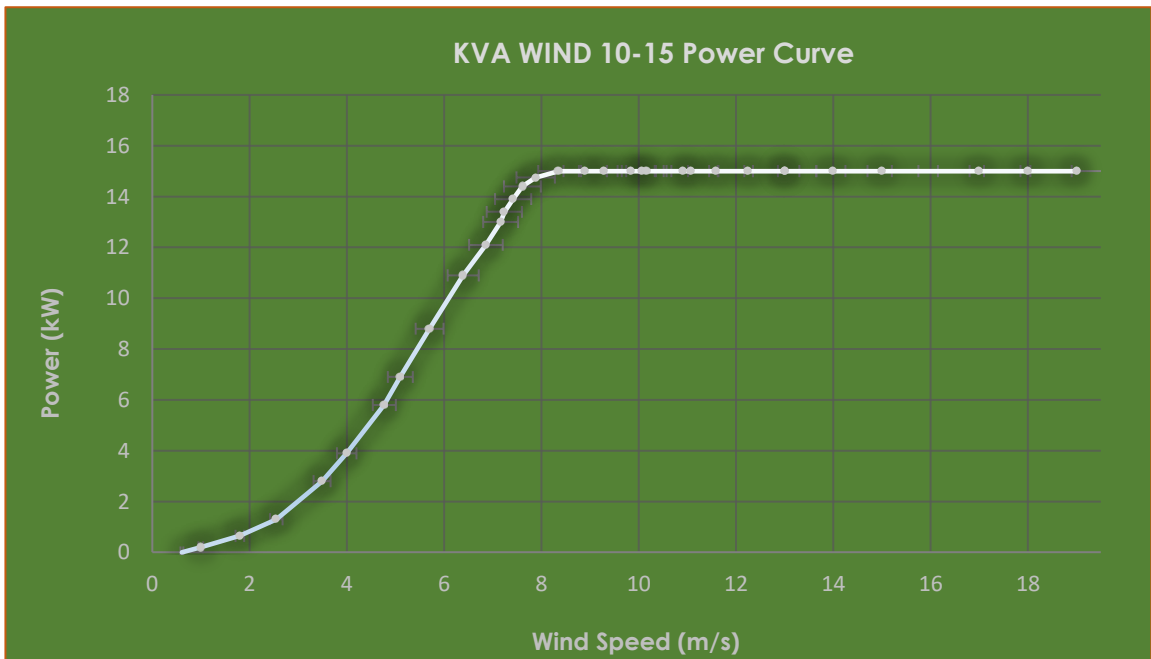
### EXPECTED OUTPUT

- Technical availability : 100 %
- Air Density :1.255 kg/m<sup>3</sup>
- Average turbulence index : 18 %

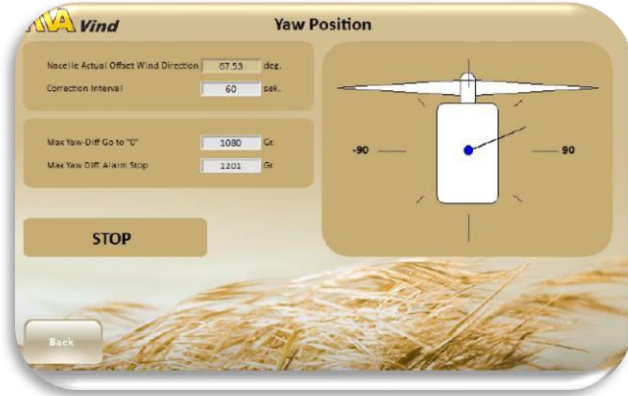
Average Annual Speed (m/s)	4	5
Average Annual Output (kWh)	25.0	37.9

---

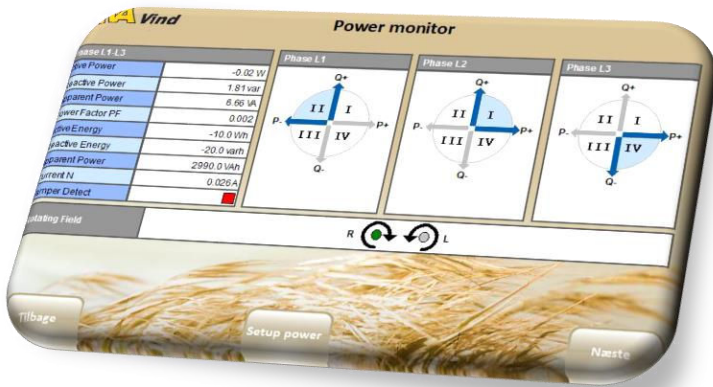
### KVA WIND 10-15 : POWER CURVE






# KVA WIND 10-15 : Monitoring System



- Also operates on customers phone / tablet. (Android and Apple)
- Remotely monitor, control and reconfigure of KVA WIND 10-15 over a secure encrypted connection.
- Datalogging every minute and years back.



 | 24/7 access to your wind turbine  
 | Live and historical data

 | Monitor, control and reconfigure



- **Most efficient power system for low wind speed areas**
- **Easy and low maintenance**

KVA Wind Int. is one of the most experienced manufacturers for small wind turbines in Denmark. Therefore you have a guarantee for a solid product and a good partnership!

Together with our sister companies, KVA Diesel and KVA Vind Service, we represent more than 40 years of experience.

The electric power setup, has been approved from Green Power Denmark. ( The Danish Positive list for small energy units up to 125 kW ) to ensure clean energy from the turbine, to the customer.

Note from Force Technology.

*FORCE Technology has reviewed the wind turbine's technical parts, if it is used as intended and in accordance with the Type Certificate and manual, then the wind turbine complies with "Executive Order no. 73 of January 2013" with an emphasis on "Structural Safety"*





**KVA** *Wind Int.*

Borrisvej 10, Astrup  
DK-6900 Skjern, Denmark

For more information or interest please contact:

E-mail: [Info@kva-vind.dk](mailto:Info@kva-vind.dk)

Tel. +45 97364111

Web: [www.kva-vind.dk](http://www.kva-vind.dk)