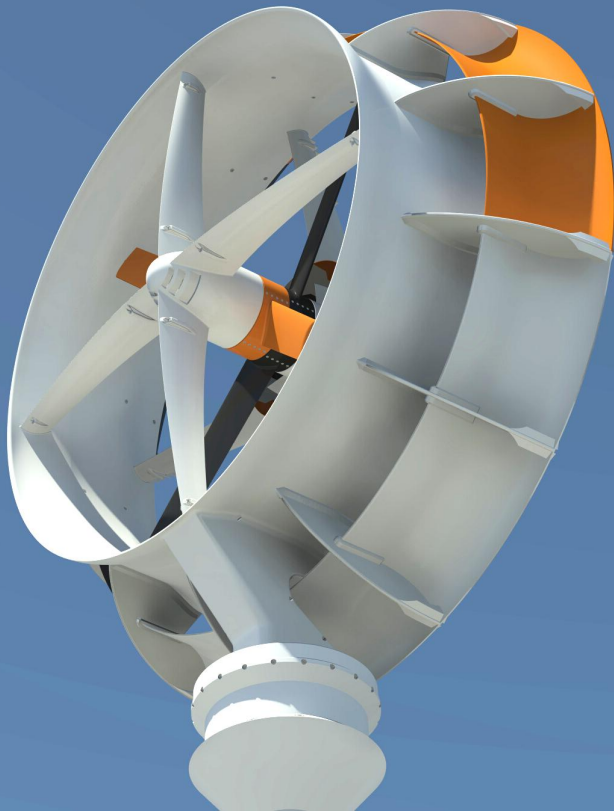


VETAR 4

NEXT GENERATION WIND TURBINE

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Mainstream HAWT

VETAR 4



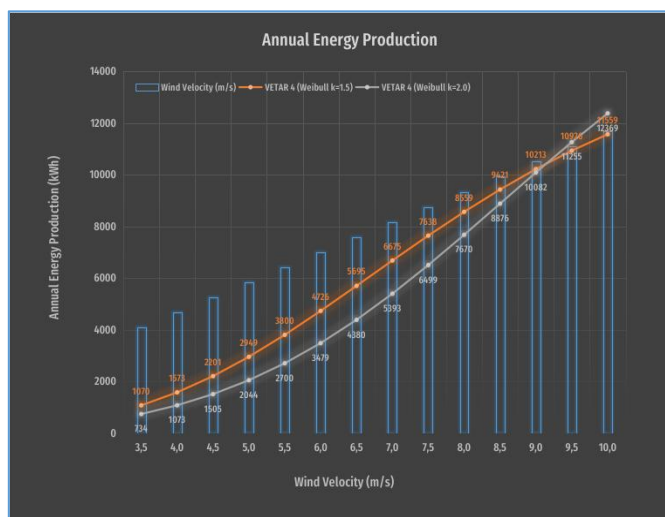
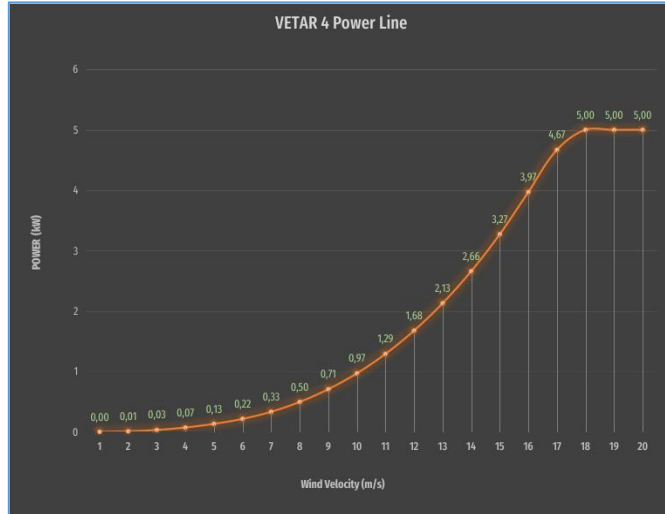
The comparable power output - size comparison

- ✓ Inaudible
- ✓ Vibrationless
- ✓ Compact
- ✓ Advanced
- ✓ Efficient
- ✓ Safe

Technical data VETAR 4

Rated power wind	1.3 kW @ 11 m/s
Max power wind	5 kW @ 18 m/s
Turbine design standard	AWEA, MCS, IEC - 61400-2, Wind class 1
Start-up wind velocity	1.5 m/s
Cut-in wind velocity	3 m/s
Cut-out wind velocity	30 m/s
Survival wind velocity	50 m/s
● Rotor diameter	1.44 m
○ Highest diameter	2.08 m
Rated power rotation frequency per rotor	2 x 7.5 Hz (2 x 450 RPM)
Max power rotation frequency per rotor	2 x 8.3 Hz (2 x 500 RPM)
Each generator voltage	220 V AC @ 500 RPM
Each generator type	V-GEN 7.5, PM, out-runner
Grid feeding	220 V, 50 Hz, 3 phase 3W or 4W + PE
Turbine controller	Custom Wind Interface 5 kW
Inverter	Hybrid 5 kW inverter
Yaw Controller	Active
Rotor rotation controller	Passive yaw (Active an option)
Breaking system	Resistors braking
Remote monitoring	Interface monitoring system, LAN, wireless/GPRS/3G
Interface	Graphic - Display
Designed life span	> 20 Years
Tower	Free standing
Turbine mass	70 kg
Acoustic emission	< 35 dB
Warranty	5 years

The data provided is for informational purposes, actual performance may vary.



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