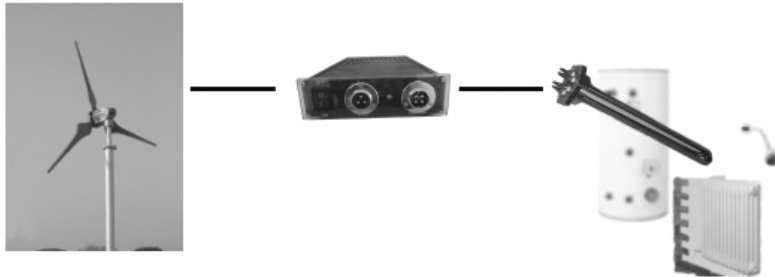




TAOS WIND HEATING SYSTEM TWH-1

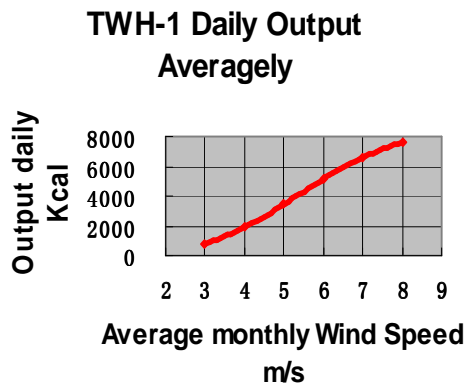
TAOS wind heating system TWH-1 is a very available system based on creative TAOS wind turbine.

TWH-1 is mainly used as secondary heating for oil/gas boiler to save energy bill and reduce CO2 emission.



TWH-1 is an efficient and available system. It could produce caloric value nearly 5000 Kcal daily in months of average wind speed of 6 m/s, say, to heat water of 100 litres raising temperature about 50 °C and mitigate CO2 over 10KG daily.

TWH-1 is an economy system. The system cost is lower much than battery-charging system and wind grid-tied system with comparative output.



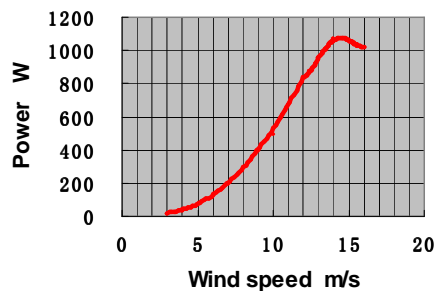
Wind Turbine TAOS1000R for TWH-1

TAOS1000R is an creative downwind passive yawing set. Without tail van and any mechanical protection set, it is compacter, more reliable, and more sensitive.

Specification

Rotor diameter	2.0m
Start-up wind speed	3m. s ⁻¹
Cut-in wind speed	2.6m. s ⁻¹
Rated wind speed	12m. s ⁻¹
Survival wind speed	60m. s ⁻¹
Rated output	1000W

TAOS1000R Power Curve





Feature

- Rotor blades from super-strength engineering plastic; shaped by precision injection moulding process.
- Alternator with high grade NdFeB permanent magnets.
- Excellent low wind performance; High energy efficiency.
- Downwind passive yawing structure design without tail-van (pat.); Only two pairs of moving part; More compact and more reliable; Ability to 'catch' wind is high much owing the lower yawing inertia.
- Maintenance free design.



Controller R1000R for TWH-1

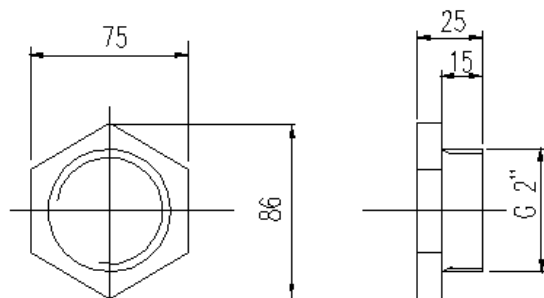
Feature

- Rectify 3-phase AC output of TAOS2000R into DC.
- Based on creative programmed microprocessor, follow and regulate the state of whole system in optimum efficient point all along; brake wind turbine when upto overvoltage / overload / overspeed to protect wind turbine and heater, and restart wind turbine in a braking period nearly 30 minutes.
- A manual run/stop switch.



Heater for TWH-1

The heater for TWH-1 and its flange dimensions are shown as in figure.



TUBE THREAD G2": MAJOR DIA. 59.616
 PITCH DIA. 58.137
 MINOR DIA. 56.659
 11 THREADS/INCH WHITWORTH PROFILE

TAOS WIND ENERGY CO. LTD

Tel/Fax 0086 571 87291628

E mail taosho@126.com

www.taoswind.com

info@taoswind.com