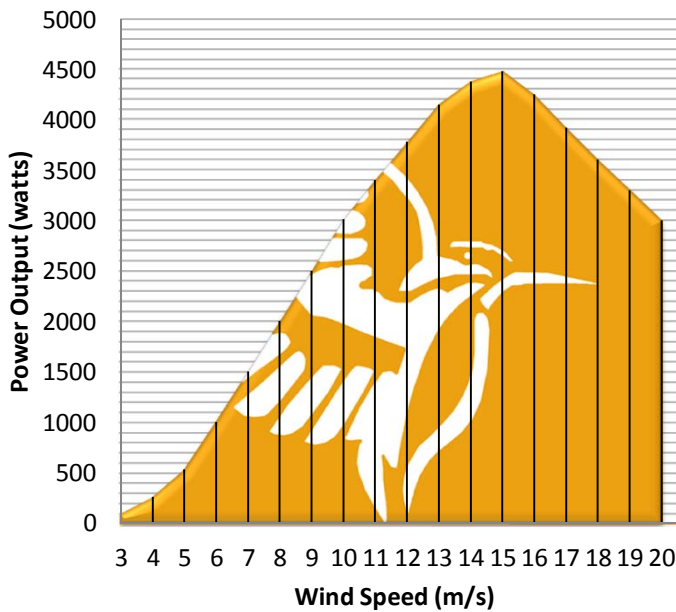


**HUMMER WIND POWER ACTIVE YAW CONTROL SMALL WIND TURBINE**
**TECHNICAL SPECIFICATIONS**


Rated Power (W):	3,000 Watts
Maximum Output (W):	4,480 Watts
Charging Voltage (VDC):	180
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	15.7 ft. (4.8m)
Start-up Wind Speed:	5.6 mph (2.5 m/s)
Rated Wind Speed:	22 mph (10 m/s)
RPM:	265
Speed Regulation (Protection):	Yawing (Mechanical) + Manual
Wind Energy Utilizing Ratio (Cp):	0.40
Generator Output:	Single-phase Frequency Conversion AC
Output AC Frequency (Hz):	0-360
Rate Charging Current (A):	16.7
Maximum Charging Current (in a short time) (A):	28
Noise (5m behind turbine @ 5m/s gusting):	32 dB
Generator Efficiency:	>80%
Total Tower Top Weight:	422.4 lbs. (191.6kg)
Turbine Warranty:	5 Year Limited
Inverter Warranty:	10 Year Limited

**POWER CURVE**

**WIND SPEED & POWER OUTPUT**

Wind Speed (m/s)	3	4	5	6	7	8	9	10
Wind Speed (mph)	6.7	8.9	11.1	13.4	15.6	17.8	20.1	22.3
Power Output (watts)	96	260	530	1,000	1,500	2,000	2,500	3,010
Wind Speed (m/s)	11	12	13	14	15	16	17	18
Wind Speed (mph)	24.6	26.8	29.0	31.3	33.5	35.7	38.0	40.2
Power Output (watts)	3,400	3,780	4,150	4,380	4,480	4,250	3,920	3,600
Wind Speed (m/s)	19	20						
Wind Speed (mph)	42.5	44.7						
Power Output (watts)	3,300	3,000						

**GRID CONNECT COMPONENTS**

1-Siemens Series Seven PLC Active Yaw Controller, 1-5kW UL 1741/IEEE 1547 Certified Inverter. Rectifier, Unloader and Remote Monitoring System. Monopole, Hydraulic and Lattice towers available.