

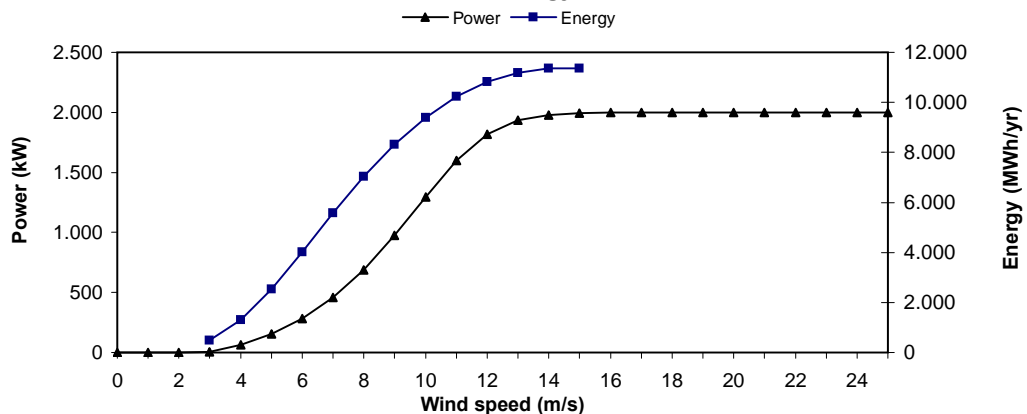
# RETScreen® Equipment Data - Wind Energy Project

Wind Turbine Characteristics		Estimate	Notes/Range
Wind turbine rated power	kW	2000	<a href="#">See Product Database</a>
Hub height	m	67,0	6.0 to 100.0 m
Rotor diameter	m	80	7 to 80 m
Swept area	m <sup>2</sup>	5.027	35 to 5,027 m <sup>2</sup>
Wind turbine manufacturer		Gamesa	
Wind turbine model		G80-2MW	
Energy curve data source	-	Standard	Rayleigh wind distribution
Shape factor	-	2,0	

## Wind Turbine Production Data

Wind speed (m/s)	Power curve data (kW)	Energy curve data (MWh/yr)
0	0,0	-
1	0,0	-
2	0,0	-
3	3,9	475,5
4	66,3	1.301,7
5	152,0	2.537,1
6	280,0	4.025,2
7	457,0	5.570,7
8	690,0	7.030,5
9	978,0	8.321,0
10	1.296,0	9.395,0
11	1.598,0	10.229,5
12	1.818,0	10.822,5
13	1.935,0	11.189,5
14	1.980,0	11.358,5
15	1.995,0	11.363,1
16	1.999,0	-
17	2.000,0	-
18	2.000,0	-
19	2.000,0	-
20	2.000,0	-
21	2.000,0	-
22	2.000,0	-
23	2.000,0	-
24	2.000,0	-
25	2.000,0	-

Power and Energy Curves



[Return to Energy Model sheet](#)