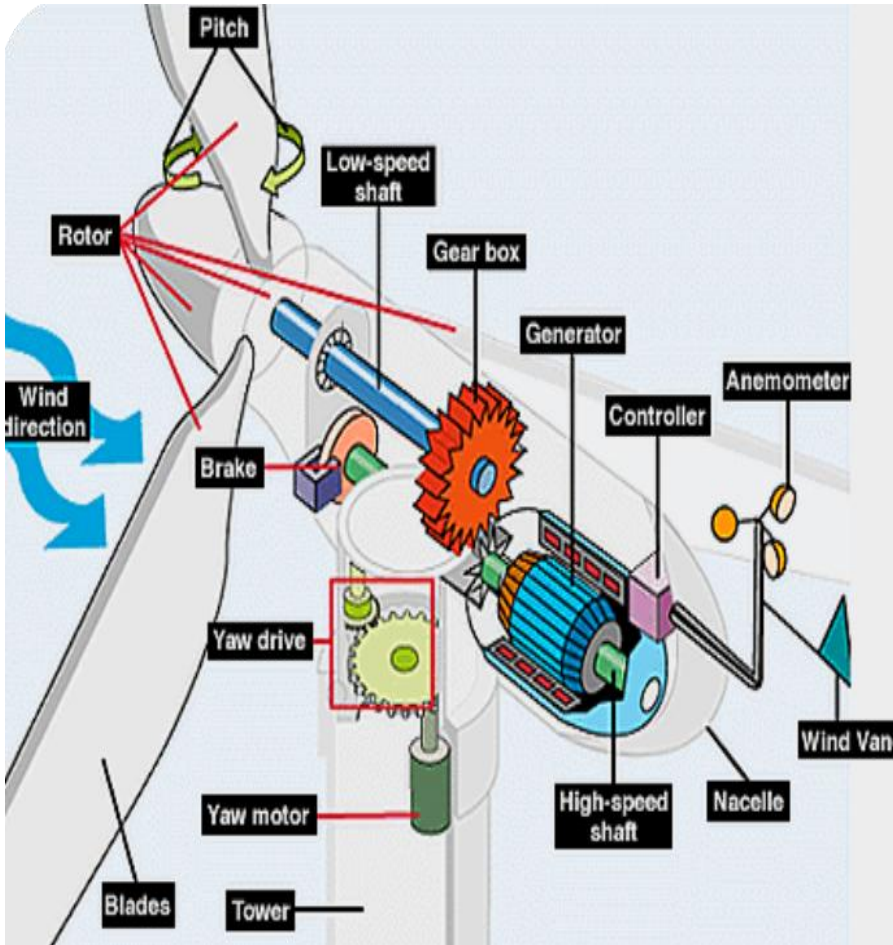




*Windtronics  
Wind Turbine Technology  
Output Curve  
Watt & kWh  
Data*

# The Future of Wind Technology



Traditional Wind Turbines



Honeywell Wind Turbine



Windtronics, LLC

## Honeywell Wind Turbine: Model StarGate

Wind Speed (m/s)	Wind Speed (MPH)	% At Wind Speed Class 4 Site	Annual Hours (h/yr)	Hours At Wind Speed (h/yr)
0	0	0.00	8,760	0
0.5	1.11	0.00	8,760	0
1.5	3.33	6.61	8,760	579
2.5	5.55	10.04	8,760	880
3.5	7.77	12.22	8,760	1,070
4.5	9.99	13.04	8,760	1,142
5.5	12.21	12.63	8,760	1,106
6.5	14.43	11.30	8,760	990
7.5	16.65	9.41	8,760	824
8.5	18.87	7.35	8,760	644
9.5	21.09	5.41	8,760	474
10.5	23.31	3.75	8,760	329
11.5	25.53	2.46	8,760	215
12.5	27.75	1.53	8,760	134
13.5	29.97	0.90	8,760	79
14.5	32.19	0.51	8,760	45
15.5	34.41	0.27	8,760	24
16.5	36.63	0.14	8,760	12
17.5	38.85	0.07	8,760	6
18.5	41.07	0.03	8,760	3
19.5	43.29	0.00	8,760	0
20.5	45.51	0.00	8,760	0
21.5	47.73	0.00	8,760	0
22.5	49.95	0.00	8,760	0
23.5	52.17	0.00	8,760	0
24.5	54.39	0.00	8,760	0

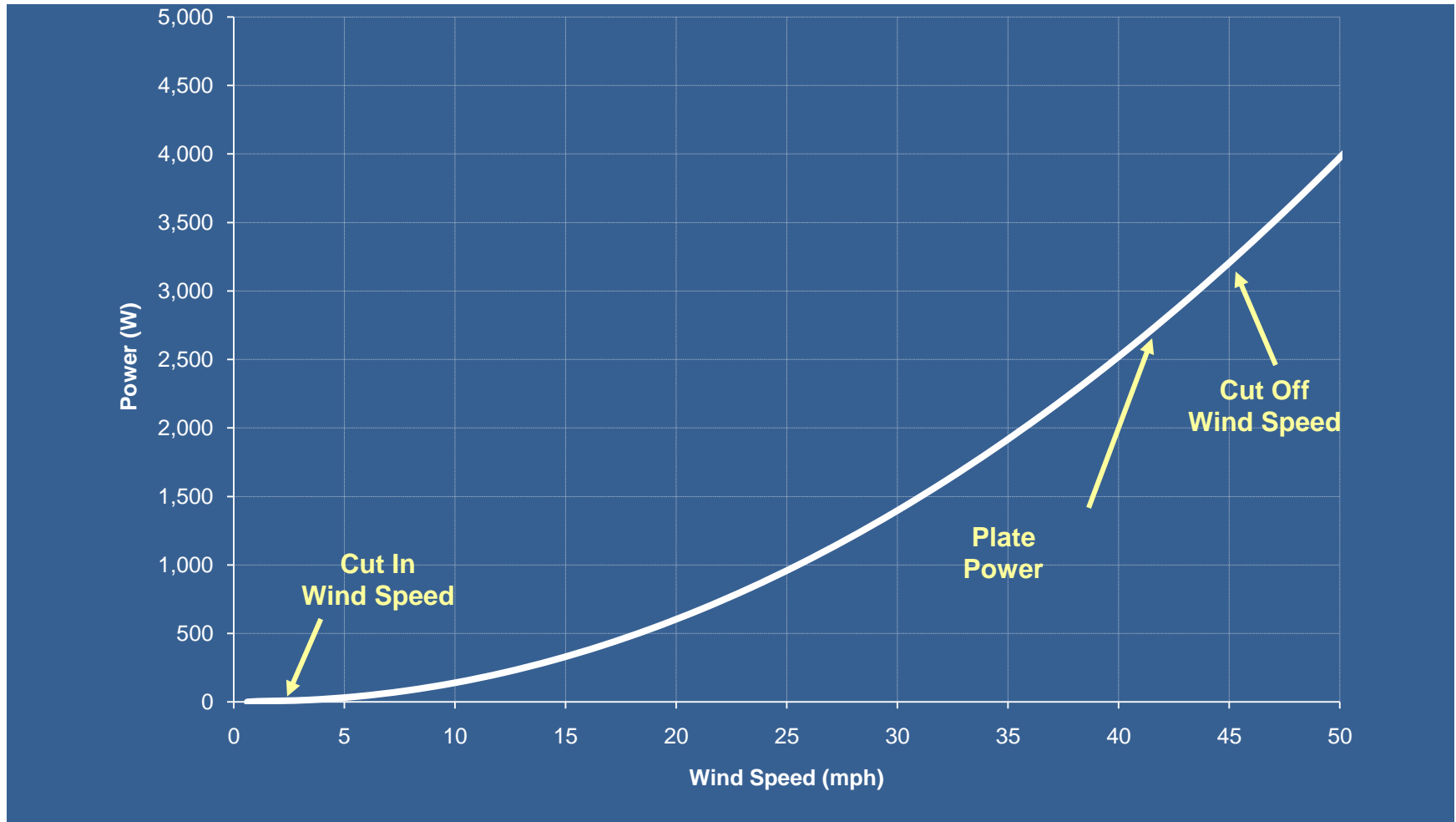
## Honeywell Wind Turbine: Model StarGate

Wind Speed (m/s)	Wind Speed (MPH)	% At Wind Speed Class 4 Site	Annual Hours (h/yr)	Hours At Wind Speed (h/yr)	StarGate Power Curve Data in Class 4 Wind (W)
0	0	0.00	8,760	0	0
0.5	1.11	0.00	8,760	0	5
1.5	3.33	6.61	8,760	579	14
2.5	5.55	10.04	8,760	880	40
3.5	7.77	12.22	8,760	1,070	82
4.5	9.99	13.04	8,760	1,142	140
5.5	12.21	12.63	8,760	1,106	214
6.5	14.43	11.30	8,760	990	305
7.5	16.65	9.41	8,760	824	411
8.5	18.87	7.35	8,760	644	535
9.5	21.09	5.41	8,760	474	674
10.5	23.31	3.75	8,760	329	829
11.5	25.53	2.46	8,760	215	1,001
12.5	27.75	1.53	8,760	134	1,189
13.5	29.97	0.90	8,760	79	1,394
14.5	32.19	0.51	8,760	45	1,614
15.5	34.41	0.27	8,760	24	1,851
16.5	36.63	0.14	8,760	12	2,105
17.5	38.85	0.07	8,760	6	2,374
18.5	41.07	0.03	8,760	3	2,660
19.5	43.29	0.00	8,760	0	2,962
20.5	45.51	0.00	8,760	0	3,280
21.5	47.73	0.00	8,760	0	3,614
22.5	49.95	0.00	8,760	0	3,965
23.5	52.17	0.00	8,760	0	4,332
24.5	54.39	0.00	8,760	0	4,715

# Honeywell Wind Turbine: Model StarGate

Wind Speed (m/s)	Wind Speed (MPH)	% At Wind Speed Class 4 Site	Annual Hours (h/yr)	Hours At Wind Speed (h/yr)	StarGate Power Curve Data in Class 4 Wind (W)	StarGate Annual Energy Genertion in Class 4 Wind (Total = 2752 kWh/yr) (kWh/yr)
0	0	0.00	8,760	0	0	0
0.5	1.11	0.00	8,760	0	5	0
1.5	3.33	6.61	8,760	579	14	8
2.5	5.55	10.04	8,760	880	40	35
3.5	7.77	12.22	8,760	1,070	82	87
4.5	9.99	13.04	8,760	1,142	140	160
5.5	12.21	12.63	8,760	1,106	214	237
6.5	14.43	11.30	8,760	990	305	302
7.5	16.65	9.41	8,760	824	411	339
8.5	18.87	7.35	8,760	644	535	344
9.5	21.09	5.41	8,760	474	674	319
10.5	23.31	3.75	8,760	329	829	272
11.5	25.53	2.46	8,760	215	1,001	216
12.5	27.75	1.53	8,760	134	1,189	159
13.5	29.97	0.90	8,760	79	1,394	110
14.5	32.19	0.51	8,760	45	1,614	72
15.5	34.41	0.27	8,760	24	1,851	44
16.5	36.63	0.14	8,760	12	2,105	26
17.5	38.85	0.07	8,760	6	2,374	15
18.5	41.07	0.03	8,760	3	2,660	7
19.5	43.29	0.00	8,760	0	2,962	0
20.5	45.51	0.00	8,760	0	3,280	0
21.5	47.73	0.00	8,760	0	3,614	0
22.5	49.95	0.00	8,760	0	3,965	0
23.5	52.17	0.00	8,760	0	4,332	0
24.5	54.39	0.00	8,760	0	4,715	0
						<b>2,752</b>

## Wind Turbine Power Curve



## Wind Turbine Operational Limits

Class 4 Wind: Rayleigh Distribution of 12.2 MPH (5.8 m/s)

