

4 Performance Results

CF15 performance at sea-level air density; 1.225 kg/m ³							
Presentation of data in the measured power curve (database A)							
Reference air density: 1.225 kg/m ³							
Bin (m/s)	Bin Average Wind Speed (m/s)	Power output (W)	Cp	Number of 1- Minute Data Sets	Category A Standard Uncertainty (W)	Category B Standard Uncertainty (W)	Combined Standard Uncertainty (W)
1	0.61	-0.100	-5.51	144	0.000	0.038	0.038
2	0.97	-0.099	-1.35	256	0.000	0.038	0.038
3	1.46	-0.098	-0.40	211	0.000	0.038	0.038
4	1.98	-0.097	-0.16	110	0.000	0.038	0.038
5	2.55	-0.097	-0.07	102	0.000	0.038	0.038
6	2.96	-0.003	0.00	99	0.008	0.050	0.051
7	3.49	0.443	0.13	74	0.013	0.131	0.132
8	4.00	0.827	0.16	100	0.019	0.120	0.122
9	4.53	1.772	0.24	290	0.014	0.280	0.280
10	4.99	2.649	0.27	311	0.014	0.309	0.309
11	5.51	3.504	0.26	319	0.019	0.277	0.278
12	6.00	4.683	0.27	346	0.022	0.410	0.411
13	6.50	6.374	0.29	424	0.025	0.600	0.601
14	7.01	8.053	0.29	495	0.028	0.599	0.600
15	7.49	10.948	0.32	614	0.033	1.101	1.102
16	7.99	13.368	0.33	568	0.035	0.934	0.935
17	8.5	15.000	0.30	(505)	0.042	0.884	0.885
18	9.0	15.000	0.26		0	0	0
19	9.5	15.000	0.22		0	0	0
20	10.0	15.000	0.19		0	0	0
21	10.5	15.000	0.16		0	0	0
22	11.0	15.000	0.14		0	0	0
42	21.0	15.000	0.02		0	0	0
43	21.5	15.000	0.02		0	0	0
44	22.0	15.000	0.02		0	0	0

BWEA Reference Power: 15.0 kW @ 11.0 m/s