

Noise report of HOPEFUL wind turbines

Noise report (tested by hand held sound levelmeter)

Model	20KW	10KW	5000W	3000W	2000W	1000W	500W	Aeolus 300W
Round Wind Speed (m /s)	Sound (db)							
3	29.7	21.3	20	20.9	24.6	23.3	20.9	20.9
4	34	21.7	22.6	27.8	24.8	24.8	22.7	23.4
5	38.2	29.4	24.5	36.2	29.5	30.9	26.2	28.5
6	40.9	30.6	32.2	40.2	35.2	36.9	33.6	36.7
7	45.1	41.4	35.6	45.8	40.7	42.2	40.3	43.6
8	48	44.5	40.4	46.9	48.2	49	45	49.8
9	51.3	50.3	44.7	48.9	52.6	53.4	52.7	51.6
10	54.6	54.8	48.6	59	61.8	62.4	58.4	61.8
11	57.5	58.4	58.4	62.4	65.8	64	59.5	66.2
12	61.7	59.4	59.3	64.6	70.5	70.7	63.3	69.5

Test position: At 12m away from generator (average value of 3 point-rear; left, right).

Notes: The sound value includes wind noise.