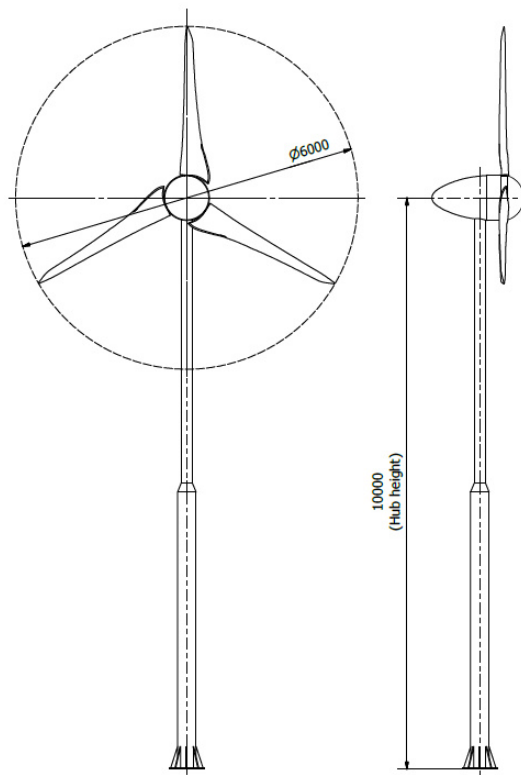


my!Wind Ltd

5 kW wind turbine

Noise emission



List of Changes

Rev	Modified parameter	Modified by	Date of modification
00	Report written	Pabut	24.05.2013

Predicted noise emission

Noise measurements were undertaken by my!Wind representatives. Measurements were taken at a distance of 25 m and 60 m from the base of an operating wind turbine. According to the measured values the specific noise for the turbine was calculated. The test conditions were as follows:

Date: 09.05.2013
Weather: Sunny, dry, wind speed 7-8 m/s from northwest
Measurement type: 1 minute average free field
Measurement device: PeakTech 5035 Multifunctional environment tester
35 - 100 dB / 65 - 130 dB; +/- 3,5 dB - 0,1 dB (for A+C Weighting)
Microphone height: 1,5 m
Tower height: 10 m

Table 1 – Measurement results

Point	Distance [m]	Operating noise [dB]	Ambient noise [dB]	Turbine specific noise [dB]
1	25	53,4	48,1	51,9
2	60	49,7	48,1	44,6

Obtained measurements were used to estimate the noise levels further away from the turbine. It is taken as a general assumption that the noise contribution will decrease 6 dB per doubling of the distance to the wind turbine (inverse square law). Results are presented on the following chart.

Turbine noise emission

