

Aditya Singh - HD3 3GZ

MCS 020(a) - Manual Sound Calculator

Assessment Details

Heat pump model is Cosy6 and it is 6.171 metres from the assessment window. There are 2 Reflecting Surfaces including the floor and it is Fully seen.

The assessment position is one metre perpendicular to the centre of the closest habitable room.

Step	Instructions	MCS contractor results/notes
1	Assesment date	26/01/2026
2	Assessment position Window(s) on rear elevation of neighbouring property	
3	A-weighted sound power level of the heat pump dB(A)	58
4a	Determine the directivity 'Q' of the heat pump noise.	Q4
4b	Measure the distance from the heat pump to the assessment position in metres	6.171
5	Determination of barrier correction - select barrier type	Fence >=18mm
6	Determination of barrier correction - select line of sight	Fully seen
7	Calculate Sound Pressure Level	37.2
8	Final Result lower than 37dB?	Fail