

BD19 3NW

MCS 020(a) - Manual Sound Calculator

Assessment Details

Heat pump model is Cosy9 and it is 5.345 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.

Heat Pump **Cosy9**

Distance in m **5.345**

Barrier **No barrier**

Visibility **Fully seen**

Opposing Surfaces **1**

Outcome **37.5**

Result **Fail - Planning Required**

Step	Instructions	MCS contractor results/notes
1	Assesment date	09/01/2026
2	Assessment position Description of assessment position e.g. First floor window of neighbour to the right when looking at the front of the property.	
3	A-weighted sound power level of the heat pump dB(A)	57
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	5.345
5	Determination of barrier correction - select barrier type	No barrier
6	Determination of barrier correction - select line of sight	Fully seen
7	Calculate Sound Pressure Level	37.5
8	Final Result?	Fail

