

SO53 1EH

MCS 020(a) - Manual Sound Calculator

Assessment Details

Heat pump model is Cosy12 and it is 8.548 metres from the assessment window. There are 3 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 Cosy12

Distance in m 8.548

Barrier No barrier

Visibility Fully seen

Opposing Surfaces 2

Outcome 40.4

Result Fail - Planning Required

Step	Instructions		MCS contractor results/notes
1	Assesment date		03/12/2025
2	Assessment position	Description of Assessment position e.g. Ground floor window of neighbour to the left when looking at the rear of the property.	
3	A-weighted sound power level of the heat pump dB(A)		61
4a	Determine the directivity 'Q' of the heat pump noise.		Q8
4b	Measure the distance from the heat pump to the assessment position in metres		8.548
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		40.4
8	Final Result?		Fail

