

Christian Pennington - WF13 4BJ

MCS 020(a) - Manual Sound Calculator

Assessment Details

Heat pump model is Cosy9 and it is 4 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		05/02/2026
2	Assessment position	Window(s) on rear elevation of neighbouring 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		4
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		40.0
8	Final Result lower than 37dB?		Fail