

MCS 020(a) - Manual Sound Calculator

Assessment Details

Heat pump model is Cosy6 and it is 5.1 metres from the assessment window. There are 2 Reflecting Surfaces including the floor and it is Not 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		17/03/2026
2	Assessment position	Closest ground-floor window to the property on the right as you look at the heat pump	
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		5.1
5	Determination of barrier correction - select barrier type		Fence <18mm
6	Determination of barrier correction - select line of sight		Not seen
7	Calculate Sound Pressure Level		33.9
8	Final Result lower than 37dB?		Pass