

Rae Lowdell - RH17 5AW

MCS 020(a) - Manual Sound Calculator

Assessment Details
Heat pump model is Cosy9 and it is 4.5 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	4.5
Barrier	No barrier
Visibility	Fully seen
Opposing Surfaces (not including floor)	1
Outcome	39.0
Result	Fail - Planning Required

Step	Instructions		MCS contractor
1	Assessment date		30/07/2026
2	Assessment position	Closest first-floor window to the property on the right as you look at the rear of the applicant's 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
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		39.0
8	Final Result lower than 37dB?		Fail

No longer requesting highest published spl