

NP20 3JU

MCS 020(a) - Manual Sound Calculator

Assessment Details
Heat pump model is Cosy9 and it is 5 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.

Heat Pump

Cosy9

Distance in m

5

Barrier

solid wall

Visibility

Not seen

Opposing Surfaces (not including floor)

1

Outcome

29.0

Result

Pass

Step	Instructions		MCS contractor results/notes
1	Assesment date		04/06/2025
2	Assessment position	Description of Assessment position e.g. Closest first floor rear window of neighbour to the left when looking from the rear of the property.	
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
5	Determination of barrier correction - select barrier type		solid wall
6	Determination of barrier correction - select line of sight		Not seen
7	Calculate Sound Pressure Level		29.0
8	Final Result lower than 37dB?		Pass

No longer requesting highest published spl

to 1 dp