

Please note that more than two heat pumps is outside the scope of MCS 020 a).

Project Details (optional)	
Installation address	8 Bloomfield Road N6 8ET
First heat pump make & model	
First heat pump installation location	Side extension flat roof
Second heat pump make & model	Mitsubishi FDV71VNP-W
Second heat pump installation location	Side extension flat roof
Third heat pump make & model	Mitsubishi FDV71VNP-W
Third heat pump installation location	Side extension flat roof
Fourth heat pump make & model	
Fourth heat pump installation location	

Step		Assessment Position 1	Assessment Position 2	Assessment Position 3	Assessment Position 4
1	Date calculation undertaken	10/07/2026	10/07/2026		
2	Description of assessment position	6 Bloomfield Road N6 8ET first floor rear bedroom	5 Bloomfield Road N6 8ET first floor front bedroom		
3	First heat pump	A-weighted sound power level, dB(A)	67	67	
4		Determination of directivity (Q) - select number of reflective surfaces	two reflective surfaces	two reflective surfaces	
5		Distance from heat pump to assessment positions, in m	10.8	27.7	
6		Determination of barrier correction - select barrier type	solid wall (mass >=10kg/m2)	close board fence (>=18mm thick boards)	
		Determination of barrier correction - select line of sight	no view	partial view	
3	Second heat pump	A-weighted sound power level, dB(A)	67	67	
4		Determination of directivity (Q) - select number of reflective surfaces	two reflective surfaces	two reflective surfaces	
5		Distance from heat pump to assessment positions, in m	10.8	28.8	
6		Determination of barrier correction - select barrier type	solid wall (mass >=10kg/m2)	close board fence (>=18mm thick boards)	
		Determination of barrier correction - select line of sight	no view	partial view	
3	Third heat pump	A-weighted sound power level, dB(A)	67	67	
4		Determination of directivity (Q) - select number of reflective surfaces	two reflective surfaces	two reflective surfaces	
5		Distance from heat pump to assessment positions, in m	10.8	29.8	
6		Determination of barrier correction - select barrier type	solid wall (mass >=10kg/m2)	close board fence (>=18mm thick boards)	
		Determination of barrier correction - select line of sight	no view	partial view	
3	Fourth heat pump	A-weighted sound power level, dB(A)			
4		Determination of directivity (Q) - select number of reflective surfaces			
5		Distance from heat pump to assessment positions, in m			
6		Determination of barrier correction - select barrier type			
		Determination of barrier correction - select line of sight			
7		Calculate sound pressure level (total from all heat pumps)	36.2	32.6	#NUM!
8		Pass/fail noise limit of 37.0 dB(A)	pass	pass	#NUM!

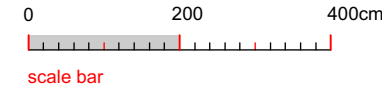
Note: For the Assessment Position locations please refer to drawing A-100 and A-000



rev	date	notes
P2	18/07/26	issued for planning

dimensions are not to be scaled from this drawing. this drawing is based on current available information and should not be relied on as accurate measurements of usable space. the contractor is responsible for checking all dimensions on site.

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project
**8 bloomfield road
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title
**sound calculation for
air conditioning units**

issue
planning

scale
not to scale

date
18.07.2026

drw no
BCB C-100

rev
P2