

Heat Pump Noise Level Calculation Form

21 Degrees

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Date of Calculation: 23 Mar 2026

This form is prepared in accordance with MCS 02020a), The Planning Standard for heat pumps.

This is to establish that the proposed location of the heat pump has a noise level lower than 37 dB (A) and would not require planning permission from the local authorities.

For the purpose of the calculation procedure, the following notes have been issued:

- Means a position 1m external to the centre point of any door or window to a habitable room of a neighbouring property as measured perpendicular to the plane of the door or window.;
- Means any rooms used or intended to be used for sleeping or living which are not solely used for cooking purposes, but does not include bath or toilet facilities, service rooms, corridors, laundry rooms, hallways or utility rooms;
- Means any building used for any of the purposes of Class C of the Town and Country Planning (Use Classes) Order 1987 (as amended) (includes dwellings, houses, hotels, residential institutions and houses in multiple occupation). In instances where the heat pump would be installed on a block of flats, neighbouring property includes flats within the same block of flats (excluding the flat of the "owner(s)" of the heat pump.

Step	Instructions	Result
1	Date calculation undertaken	23 Mar 2026
2	Description of assessment position	
3	From manufacturer's data, obtain the A-weighted sound power level of the heat pump.	65 dB(A)
4	Determine the directivity 'Q' of the heat pump noise.	1 reflective surface - Q2
5	Measure the distance from the heat pump to the assessment position in metres.	3.5 m
6	Determine any barrier corrections between the heat pump and the assessment position.	Type 1 / No View
7	Calculate the sound pressure level from the heat pump at the assessment position.	36.14 dB(A)
8	Is the calculated sound pressure level at the assessment position equal to or lower than the permitted development noise limit of 37.0 dB(A)?	Yes