Air Source Heat Pump Noise Level Calculation Form

Assessment Position 1

Step	Instructions	Result
1	Date Calculation Undertaken	4/11/2025
2	Description of assessment position	living window neighbours
3	From manufacturer's data, obtain the A-weighted sound power level of the heat pump.	58 dB(A)
4	Determine the directivity 'Q' of the heat pump noise.	Q4 - "Two Reflective Surfaces"
5	Measure the distance from the heat pump to the assessment position in metres.	3.9 m
6	Determine any barrier corrections between the heat pump and the assessment position.	close board fence (>=18mm thick boards) - Barrier (no view)
7	Calculate the sound pressure level from the heat pump at the assessment position.	36.2 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