



Air Source Heat Pump Noise Level Calculation Form

Assessment Position 1

Step	Instructions	Result
1	Date Calculation Undertaken	29/9/2025
2	Description of assessment position	Window of neighbour
3	From manufacturer's data, obtain the A-weighted sound power level of the heat pump.	42 dB(A)
4	Determine the directivity 'Q' of the heat pump noise.	Q2 - "One Reflective Surface"
5	Measure the distance from the heat pump to the assessment position in metres.	15 m
6	Determine any barrier corrections between the heat pump and the assessment position.	solid wall (mass $\geq 10\text{kg/m}^2$) - Barrier (no view)
7	Calculate the sound pressure level from the heat pump at the assessment position.	0.5 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