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Heat Loss Report & System Design

Prepared for

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Sound assessment

Pass

To class as "permitted development" the heat pump design must comply with regulations regarding the sound level at a neighbour's nearest window/door. This section presents the results of the sound assessment we've conducted for the proposed heat pump and location, as set out in [MCS 020a v1.0](#)

This assessment accounts for:

- The sound level of the heat pump itself
- The influence of the space that it is in
- Any barriers between the heat pump and the assessment position

Results by position

Position 1	33.7 dB	Pass
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SOUND ASSESSMENT

Position 1

The distance measured is from the front of the heat pump location to the nearest neighbouring bedroom window at the front of the property.



Sound pressure level

Sound power level	60 dB(A)
Mitsubishi Ecodan R32 Monobloc 11.2KW PUZ-WM112VAA	
Reduction due to distance	26.3 dB(A)
Reflective surfaces: one reflecting surface (Q=2)	
Distance (heat pump to assessment position): 8.2 m	
Reduction due to barriers	0 dB(A)
Full line of sight, Insufficient barrier	
Total	33.7 dB(A)

Result

Pass

Maximum allowed value	37 dB(A)
Final result at assessment position	33.7 dB(A)