

Dear Claire

H/24/97631- 3 THE HEATHERS, EASTLEIGH, SO50 5JZ- Installation of an Air Source Heat Pump at rear of property. Our Ref-PR202406-105075

Thank you for consulting Environmental Health on the above application. I comment upon environmental noise only.

My general advice is that air source heat pumps requiring planning consent should either achieve the acceptable noise standards established in the Microgeneration Installation Standard MCS20 ([MCS-020.pdf \(mcscertified.com\)](https://mcscertified.com/MCS-020.pdf)) or be enclosed to reduce noise emission to a similar standard.

The submission entitled, 'MCS noise assessment' suggests that this proposed installation would fail; the standard by 2dBA. I do not know who the author of this assessment is, but will make some general observations on the assessment:

- The particular plant to be installed should be specified. The technical documentation included shows three different models. I infer from the MCS assessment and an internet search that the proposal is for a Daikin air source heat pump, model 06E(3)V3 since this shows a maximum sound power level of 60dBA. The applicant should confirm that this is a correct inference.
- The form suggests that the distance between the plant and the closest neighbouring window is 5 metres and that Directivity is 4 (against a reflecting wall and floor) ; if so, the calculations appear correct.

As such, the application is unsatisfactory as it stands. Options that are most likely to be successful would be to identify quieter plant or plant where a proprietary sound enclosure is available and can be installed to reduce noise emission.

Regards

Stuart Wedgbury

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