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RE: 134 Oxford Road MVHR

To Mr Gareth Jones

Further to your comments regarding compliance with BS 8233:2014 in relation to the proposed Brink Ease 200 MVHR system, please see the following information.

- The selected Brink Ease 200 MVHR unit has manufacturer-stated sound power levels in the order of 51–54 dB(A).
- To control transmission into habitable rooms, we install rigid acoustic attenuators (Lindab LRCA type, 125 mm diameter x 500 mm length) on both supply and extract ductwork directly downstream of the unit.
- The system will be operated at no more than 50% of its maximum fan capacity under normal conditions, which significantly reduces sound generation.
- This installation approach has been successfully applied by us on numerous Passivhaus-certified projects, where post-commissioning testing has consistently demonstrated internal ambient noise levels of approximately 25 dBA in habitable rooms and 30 dBA in wet rooms.
- These results are comfortably within the BS 8233:2014 recommended internal noise criteria of ≤ 35 dB LAeq,16h in living rooms and ≤ 30 dB LAeq,8h in bedrooms.

On this basis we can confirm that the proposed Brink Ease 200 MVHR installation, with the specified acoustic attenuation and operating parameters, will comply with BS 8233 internal noise requirements.

Yours sincerely,

Peter Lowe
Director