

Good afternoon Daphney,

Thank you for the information.

I have looked at both attachments and I am not satisfied that the noise will be sufficiently mitigated. The quote from Canopy UK Direct Limited does not indicate if silencers and ducting acoustic lining will be used and the datasheet for the fan (sound performance) seems high without mitigation measures. It is also planned to construct the duct work with bends (4) (presumably due to the location and designed of the existing building) however acoustically speaking the more angle (bends) you introduce, air vortexes would be created which in turn would increase the noise level and/or vibration. The quote does not indicate what sound insulation/mitigation measures will be used to minimise noise, both, within the building and outside the building. I assume (but it is not stated) that the ducting, fan will be anti-vibration mounted, if this is not the case, anti-vibration system must be used to prevent/minimise vibration from the equipment.

The concern I have (looking at the sound performance) the most audible frequency to the human ear is in the region of 1Khz (Lpa @4m), in this instance, the loudest audible frequency. I understand that the exhaust will be located 1 m above eave and 18 meters from the nearest residential (sensitive location). The unmitigated noise may cause problem to the residents.

In relation to the discharge location I am not sure if this means the eave of the residential properties or 1 m up from the flat roof of the proposed development. Should the former applies, smell should not be a problem as dispersion would take place (but vibration may effect the resident where the flux passes through the property). However should the latter apply, the discharge area would be approx. level with residential properties and this may affect residents (page 60). I would be grateful to receive the EU classification and EUROvent rating of The baffle filters proposed, so that I can assess their suitability further for this location.

I have attached guidance and the applicant may want to look at it.

I hope this helps

Kind regards

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