

All mitigation methods for the kitchen extraction fan and air condenser unit must be carried out as the noise assessment of +19dB above background level will have an adverse impact on nearest receptor.

In order to achieve the requirements of the Local Authority at the nearest noise sensitive receptor the following attenuation measures are proposed.

Kitchen Extract Fan

Atmospheric Silencer

The installed kitchen extract fan shall be fitted with an atmospheric silencer as specified in the Silencer Schedule 1424/SS1 enclosed at the rear of the report.

Acoustic Lagging The installed kitchen extract fan unit and all ductwork/silencers between the penetration of the facade and the exhaust end of the atmospheric silencer shall be acoustically lagged comprising 50mm (min.) mineral wool slab (min. 16kg/m³) wrapped with a polymeric heavy mass barrier material of at least 10kg/m².

Condenser Unit

Due to the location of the installed condenser unit it is not feasible to install the required acoustic enclosure since it would extend beyond the boundary of the site. As such, mitigation measures are limited to the following:

- relocation of the condenser unit to the rear of the property where there is more space to install the acoustic enclosure detailed in the Acoustic Specification for Acoustic Enclosure attached to the rear of this correspondence; or
- removal of the condenser unit from site

Thanks

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