

24/09/26

Queens view AC noise control

Please find attached our letter and calculations showing that the predicted noise levels at the most affected residential window meet with the plant noise emissions criterion.

We trust the above to be of assistance. Any queries, do not hesitate to contact me.

Kind regards

Jamie Duncan
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Tel: 01962 461016

Kind regards

J Husselbee
Director
IDC Electrical (Southern) Ltd

Ref: VA4894.260924.L2



24 September 2026

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Dear Jon

VA4894 30-32A QUEENS VIEW, NETLEY

External Condenser Noise

Calculations have been undertaken of the predicted noise level from the single condensing unit to be installed at high ground floor level on the western façade of the building underneath the shop canopy. The canopy provides screening to the most affected window, the first-floor window to Plot 7 Bedroom 2.

Details of the proposed unit, along with the manufacturer noise data are summarised below in Table 1.

Plant Item	Octave Band Centre Frequency (Hz) Sound Pressure Level, L_p @1m (dB)								dB(A)
	63	125	250	500	1k	2k	4k	8k	
Fujitsu AOEG22KBTB	55	52	51	48	47	40	38	32	51

Table 1 – Advised plant noise data used for the assessment.

Plant noise emissions criteria were set in our report ref. VA4894.231127.NIA2 dated 28th November 2023, which are replicated below for ease of reference.

Monitoring Period	Design Criterion (L_{Aeq})
07:00 – 23:00 hours	24 dB
23:00 – 07:00 hours	23 dB

Table 2 – Specific sound pressure levels not to be exceeded at most affected noise sensitive receivers

The noise level at the most affected noise sensitive receiver, some 5 meters away, has been calculated on the basis of the above information with reference to the guidelines set out in ISO 9613-2:2024 *Attenuation of sound during propagation outdoors - Part 2: Engineering method for the prediction of sound pressure levels outdoors*.

A summary of the calculations is shown in Appendix A.

Predicted Noise Level	Design Criterion
L _{Aeq} 22 dB	L _{Aeq} 23 dB

Table 3 – Predicted cumulative noise level at most affected noise sensitive receiver and design criterion.

Noise levels at all other residential windows will be lower due to greater distance or screening.

The unit should be fitted with anti-vibration mounts in accordance with the manufacturer guidelines to control structureborne noise to the building to acceptable levels.

With the above measures in place, noise emissions from the proposed unit would meet with the noise requirements of Eastleigh Borough Council.

We trust the above to be of assistance. Please do not hesitate to contact us with any queries you may have.

Yours sincerely
on behalf of Venta Acoustics

Jamie Duncan

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APPENDIX A

VA4894 - 30-32a Queens View, Netley

Noise Impact Assessment

		63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dB(A)
Fujitsu AOEG22KBTB	Lp @ 1m	55	52	51	48	47	40	38	32	51
Distance Loss	To 5m	-14	-14	-14	-14	-14	-14	-14	-14	
Screening loss*		-8	-10	-12	-15	-17	-18	-18	-18	
Level at receiver		33	28	25	19	16	8	6	0	22

* Screening loss limited to 18dB