



PEAK acoustics

Noise Assessment Report

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Noise Impact Assessment

Report Reference Number: MH0903211NR

Client: Danish Ahmed

Site: 127b Oxford Road, Manchester, M1 7DY

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Assessment Summary

A Noise Impact Assessment has been undertaken in relation to installation and operation of a commercial kitchen extraction system and an externally mounted condenser at 127b Oxford Road, Manchester M1 7DY. The extraction fan is to be installed internally exiting through the second-floor roof.

A measurement of the prevailing night-time background noise climate at the expected time of closing was undertaken during the early hours of 16th March 2021 at a location representative of the identified Noise Sensitive Receptors (NSRs).

The nearest or most-affected NSRs were identified as the residential dwellings located on the second floor, in the adjacent building to the development, as well as a residential block of flats located to the south and above a commercial premise at 113 Oxford Road.

The cumulative noise levels from both the externally mounted condenser, and the flue extraction systems are calculated to be below the measured background sound level at all identified NSR locations. Indicative of a *Low impact* in accordance with BS4142. No further mitigation is required.

1. Introduction

- 1.1 A Noise Impact Assessment has been undertaken at 127b Oxford Road, Manchester M1 7DY in relation to installation and operation of a commercial kitchen extraction system and air conditioning unit, for a change of use from A1 to A5 (hot food takeaway).
- 1.2 The AC unit is to be mounted at the rear of the proposal with duct work running internally to serve the front of the shop.
- 1.3 The proposed installation of an extraction hood will utilise and connect to existing ducting. The ductwork flue exits the shop from the roof of the ground floor and the vent opening is at a height of the second-floor roof space.
- 1.4 Details of the proposed plant equipment have been provided by the applicant and are listed below:
 - Combi Steel wall mounted extraction hood part no. – 7333.0780
 - Fujitsu AOG54LATT twin fan AC unit

2. Assessment Criteria

BS4142 – Methods for rating and assessing industrial and commercial sound - is a recognised standard for determining the noise impact of fixed plant machinery via relation of emissions to the measured background noise levels on site.

Manchester City Council, Section 3.6.1.5.1 Noise and Vibration from Fixed Plant/Equipment – Externally mounted ancillary plant, equipment and servicing shall be selected and/or acoustically treated in accordance with a scheme designed so as to achieve a rating level of 5 dB (L_{Aeq}) below the typical background (L_{A90}) level at the nearest noise sensitive location.

3. Noise Sensitive Receptors

- 3.1 The nearest or most-affected Noise Sensitive Receptors have been identified as the windows of dwellings in the roof space of the adjacent buildings, that immediately surround the property, as well as the nearest window in the flats to the rear of number 123 Oxford Road.
- 3.2 'NSR 1' is identified as the windows in the second-floor roof of the adjacent building to the north. Approximately 8m from the exit of the flue extraction.
- 3.3 'NSR 2' is identified as windows in the second-floor roof of the adjacent building to the south. Approximately 4m from the exit of the flue extraction.
- 3.4 'NSR 3' is identified as the top floor rear windows of properties adjacent and to the south of the site. The specific window considered in the assessment is indicated to be the second-floor rear window of 123 Oxford Road.
- 3.5 The NSR locations are shown in **Figure 1** on Page 6.

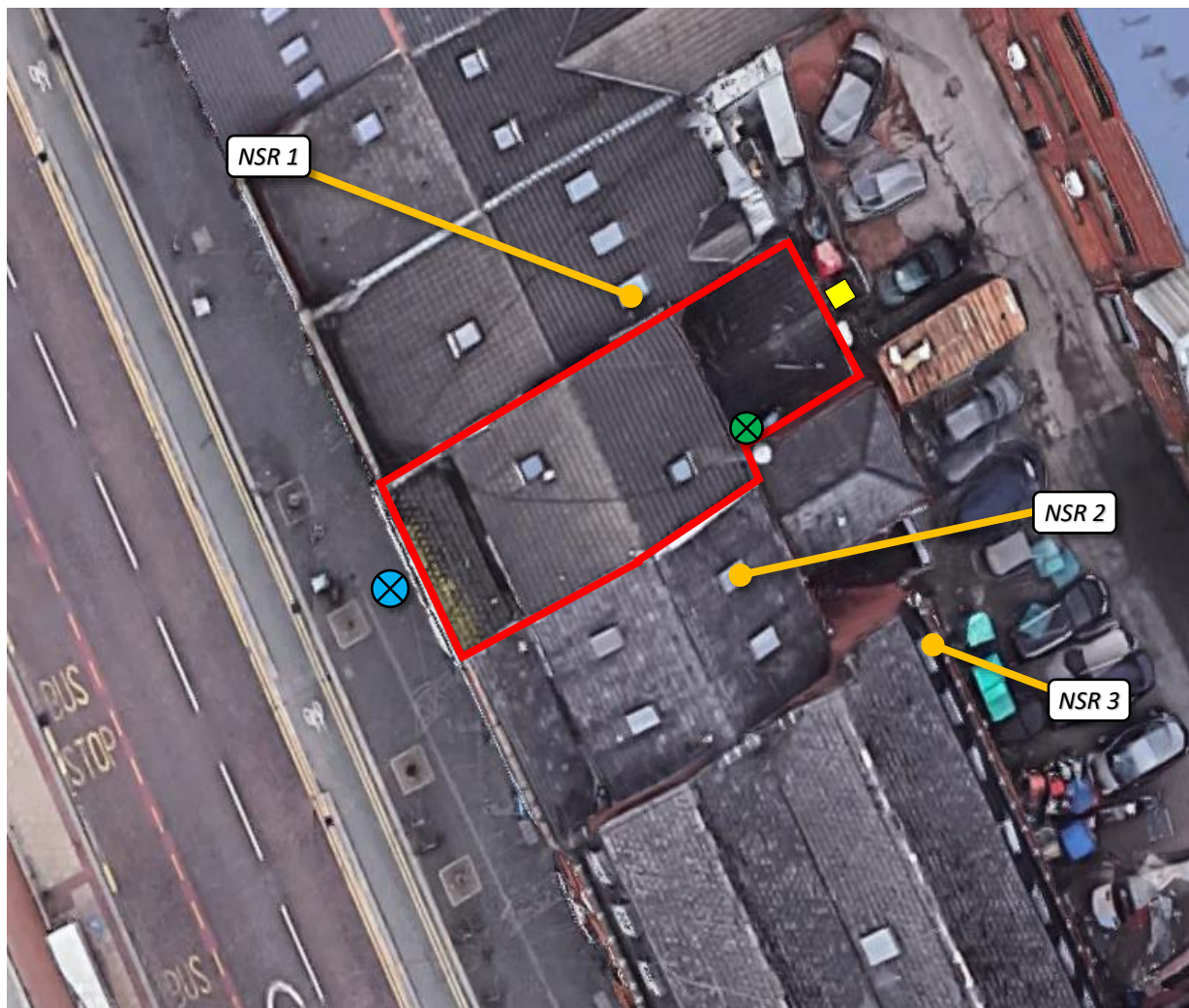
4. Site Description

- 4.1 127B Oxford Road is located within a building block comprising of various businesses on the ground floor, with mixed use accommodation and commercial on the floors above.
- 4.2 Oxford road is a busy road with a consistent and constant flow of traffic which compromises, of cars and many buses.

5. Site, Source & NSR Locations

- 5.1 The Site, NSR and noise source location are shown in Figure 1 below:

Figure 1: Site, Source & NSR Locations



- | | |
|--|---|
|  127b (Approx.) |  Condenser unit Location (Approx.) |
|  Noise Sensitive Receptors (NSRs) |  Background Monitoring Location M1 (Approx.) |
| |  Flue Extraction exit point (Approx.) |

6. Measurement Procedure

- 6.1 An attended background noise survey was conducted at position M1 between the hours of 04:00 – 05:00 on 16th March 2021. Measurements of $L_{Aeq,T}$ and $L_{A90,T}$ were logged in 5-minute intervals at 1/3 octave band resolution in accordance with BS7445 - '*Description and Measurement of Environmental Noise*'.
- 6.2 The microphone was placed at position M1 indicated in Figure 1, directly outside 127b Oxford Road. The microphone was approximately 1.6m from local ground level and away from reflective surfaces.
- 6.3 The measurement was conducted at a time where the business is proposing to close (between 04:00 -05:00) and considered the most time sensitive period in which the business operates.
- 6.4 Due to the timing of the measurement, with very low activity in the area at this time, noise climate at this location was deemed representative of that at all the identified receptors.

7. Measurement Equipment

- 7.1 Measurements were obtained using Class 1 instrumentation. Full equipment details are given in **Appendix B**.
- 7.2 Equipment was calibrated before and after use and no significant drift occurred during measurements. Up to date calibration certification can be provided upon request. Full calibration details are provided in **Appendix D**.

8. Weather Conditions

- 8.1 Temperatures during the survey were around 4°C with wind speeds of 3 - 5m/s; deemed suitable for conducting environmental noise measurements. Detailed meteorological information can be found in **Appendix C**.

9. Background Sound Levels & Noise Climate

- 9.1 The prevailing background noise climate during the survey in the area of 127b Oxford Road was dominated by road traffic. Oxford road is one of the main road networks within Manchester City Centre.
- 9.2 Buses, cars, delivery vehicles and HGVs were noted on site during the 1-hour measurement period. Approximately 10 buses were witnessed driving past this site in in this time.
- 9.3 Secondary noises include pedestrians conversing, distant traffic and rubbish disposal teams working in the area.
- 9.4 The business aims to open at 15:00 and then close between 04:00 and 05:00, depending on trade. The extraction system is therefore likely to be turned off between the hours of 04:00 - 05:00.
- 9.5 Measured background sound levels from 04:00 – 05:00 are therefore to be considered as representative of the latest period in which the system may operate. The quietest 15-minute period from this measurement has been taken. These levels are summarised in the table below.

Measurement	Period	$L_{Aeq,T}$	$L_{A90,T}$
M1	04:15 – 04:30	60 (T=15min)	46 (T=15min)

Table 1: Background Noise Survey Results

- 9.6 Full measured background sound levels are given in **Appendix F**.

10. Design Criteria

- 10.1 For the assessment of plant noise emissions, Manchester Council provide guidance on noise limiting levels for plant services which are externally mounted. As stated,

“Externally mounted ancillary plant, equipment and servicing shall be selected and/or acoustically treated in accordance with a scheme designed so as to achieve a rating level of 5 dB (L_{Aeq}) below the typical background (L_{A90}) level at the nearest noise sensitive location.”

- 10.2 The background sound level was measured at 46 dB $L_{A90, 15min}$. Therefore, the design criteria for externally mounted plant is **41 dBA**.

11. Specific Sound Levels

- 11.1 The Specific Sound Level is denoted L_{As} and is the A-weighted, equivalent noise level at the NSR locations. Specific Sound Levels have been calculated at each of the three recognised NSR locations.
- 11.2 An example model has been used in the calculations as no detailed octave band spectra was detailed within the manufacturer specification sheets for the proposed units at the time of writing. An adjustment of the spectra has been applied to the example model to match manufacturer broadband figures for both the fan and condenser unit.
- 11.3 The Specific Sound Levels (L_{As}) have been calculated to the receptor locations shown in Figure 1 and are tabulated below. Full calculations are shown in **Appendix E**.

Location	Source	Specific Sound Level, dB L_{As}
NSR 1	Kitchen Extraction	23
NSR 1	Condenser Unit	22
NSR 2	Kitchen Extraction	29
NSR 2	Condenser Unit	22
NSR 3	Kitchen Extraction	7
NSR 3	Condenser Unit	28

Table 3: Specific Sound Levels

12. Rating Levels

- 12.1 In accordance with BS4142, the Specific Sound Levels may be corrected for characteristics that make the sound more noticeable at the NSR location such as tonality, impulsivity and intermittency.
- 12.2 Commercial kitchen extraction systems often have the potential to emit sound with slightly noticeable tonal characteristics, a 2 dB correction for tonality is therefore deemed applicable.
- 12.3 Condenser units often have the potential to emit sound with slightly noticeable tonal characteristics, a 2 dB correction for tonality is therefore deemed applicable. Typically, condenser units run on temperature demands for heating and cooling purposes. Therefore a 3 dB penalty for intermittency will also be applied. Condenser units do not feature impulsive sound characteristics, no penalty for impulsivity has been applied.
- 12.4 The commercial kitchen extraction system will operate continuously when in use and feature no impulsive sounds, no other corrections are deemed applicable for this unit.
- 12.5 The resultant Rating Levels are summarised below:

Location	Source	Specific Sound Level, dB L _{As}	Total BS4142 Character Corrections	Rating Level, dB L _{Ar}
NSR 1	Kitchen Extraction	23	+ 2	25
NSR 1	Condenser Unit	22	+ 5	27
			Cumulative Rating Level	29
NSR 2	Kitchen Extraction	29	+ 2	31
NSR 2	Condenser Unit	22	+ 5	27
			Cumulative Rating Level	32
NSR 3	Kitchen Extraction	7	+ 2	9
NSR 3	Condenser Unit	28	+ 5	33
			Cumulative Rating Level	33

Table 4: Cumulative Rating Levels

13. Rating Levels Vs Background

- 13.1 The Cumulative Rating Level is to be compared to the background sound level criterion to determine the noise impact in accordance with BS4142.

A Sound Rating Level at or below the background noise level is indicative of Low Impact;

A Sound Rating Level that exceeds the background noise level by around +5dB is likely an indication of Adverse Impact, depending on the context;

A Sound Rating Level that exceeds the background noise level by around +10dB is likely an indication of Significant Adverse Impact, depending on the context;

- 13.2 The indicated noise impact at the identified Noise Sensitive Receptors is summarised below:

Location	Cumulative Rating Level, dB L _{ar}	Plant Limit Level, dB L _{A90}	Difference, dB	Noise Impact
NSR 1	29	41	-12	Low Impact
NSR 2	32		-9	Low Impact
NSR 3	33		-8	Low Impact

Table 5: Noise Impact

- 13.3 The Rating levels at all identified NSR locations are calculated to be below the measured background sound level, indicative of a *Low impact* in accordance with BS4142 and MCC criteria. No mitigation is required.

14. Conclusion

A Noise Impact Assessment has been undertaken in relation to installation and operation of a commercial kitchen extraction system and an externally mounted condenser at 127b Oxford Road, Manchester M1 7DY.

A measurement of the prevailing night-time background noise climate at the expected time of closing was undertaken during the hours of 04:00 - 05:00 on 16th March 2021, at a location representative of the identified Noise Sensitive Receptors (NSRs).

The nearest or most-affected NSRs were identified as the residential dwellings located on the second floor, in the adjacent buildings to the development. As well as a residential block of flats located above the commercial units to the south.

The cumulative noise levels from both the externally mounted condenser, and the flue extraction systems are calculated to be below the measured background sound level at all identified NSR locations. Indicative of a *Low impact* in accordance with BS4142. No proposed mitigation is required.

APPENDIX A – Measurement Details

Measurement	Kit	Start Date	Start Time	End Date	End Time
M1	A1	16/03/2021	04:00	16/03/2021	05:00

APPENDIX B - Equipment Details

Kit	Equipment	Make	Model	Class	Serial Number
A1	Sound Meter	Svantek	971	1	60688
A1	Pre-Amp	Svantek	SV18	1	62781
A1	Microphone	ACO	7052E	1	66703
A1	Calibrator	Svantek	SV33A	1	90273

APPENDIX C - Meteorology Details

Date	Temp C°	Wind Speed m/s	Wind Direction	Humidity %	Precipitation mm	Cloud Cover (Oktas)
16/03/2021	4	3 - 5	ENE	82	0.0	6/8

APPENDIX D - Calibration Details

Measurement	Calibrator Ref Level (dB)	Deviation Before (dB)	Deviation After (dB)
M1	113.9	0.8	0.8

APPENDIX E – Calculations

Flue to NSR Calculations

Noise from Flue Termination - NSR 1

Fan Unit	Para.	63	125	250	500	1k	2k	4k	8k	dBA
SVQ 9-9-1400	LwA	47	40	43	51	57	64	40	38	66
Attenuation (dB/m Duct)	500mm	-6.5	-6.5	-5.0	-3.5	-3.5	-3.5	-3.5	-3.5	
End Reflections	500mm	-8	-4	-1	0	0	0	0	0	
Directivity Loss (100°)	500mm	-1	-2	-4	-7	-16	-31	-31	-48	
Distance Attenuation (ISO-9613)	8m	-18	-18	-18	-18	-18	-18	-18	-18	
Atmospheric Attenuation (ISO-9613)	8m	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	
Sound Pressure Level at NSR	LpA	13	9	15	23	20	12	-13	-32	23

Noise from Flue Termination - NSR 2

Fan Unit	Para.	63	125	250	500	1k	2k	4k	8k	dBA
SVQ 9-9-1400	LwA	47	40	43	51	57	64	40	38	66
Attenuation (dB/m Duct)	500mm	-6.5	-6.5	-5.0	-3.5	-3.5	-3.5	-3.5	-3.5	
End Reflections	500mm	-8	-4	-1	0	0	0	0	0	
Directivity Loss (100°)	500mm	-1	-2	-4	-7	-16	-31	-31	-48	
Distance Attenuation (ISO-9613)	4m	-12	-12	-12	-12	-12	-12	-12	-12	
Atmospheric Attenuation (ISO-9613)	4m	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	
Sound Pressure Level at NSR	LpA	19	15	21	29	26	18	-7	-26	29

Noise from Flue Termination - NSR 3

Fan Unit	Para.	63	125	250	500	1k	2k	4k	8k	dBA
SVQ 9-9-1400	LwA	47	40	43	51	57	64	40	38	66
Attenuation (dB/m Duct)	500mm	-6.5	-6.5	-5.0	-3.5	-3.5	-3.5	-3.5	-3.5	
End Reflections	500mm	-8	-4	-1	0	0	0	0	0	
Directivity Loss (100°)	500mm	-1	-2	-4	-7	-16	-31	-31	-48	
Distance Attenuation (ISO-9613)	12m	-22	-22	-22	-22	-22	-22	-22	-22	
Barrier Attenuation (9613 Limit) (dB)	(9m)	-6	-7	-8	-10	-13	-15	-18	-21	
Atmospheric Attenuation (ISO-9613)	12m	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.3	-1.0	
Sound Pressure Level at NSR	LpA	3	-2	3	8	3	-8	-35	-58	7

Condenser Unit calculations

ISO 9613-2 - Attenuation of sound during propagation outdoors

- Calculation 1 Summary -

Description: Calculation of external sound propagation of AC unit Towards NSR 1

Noise Source Details

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	dBA
<Enter Noise Source Here> LpA	63	59	57	53	50	46	29	23	55

Environmental Parameters

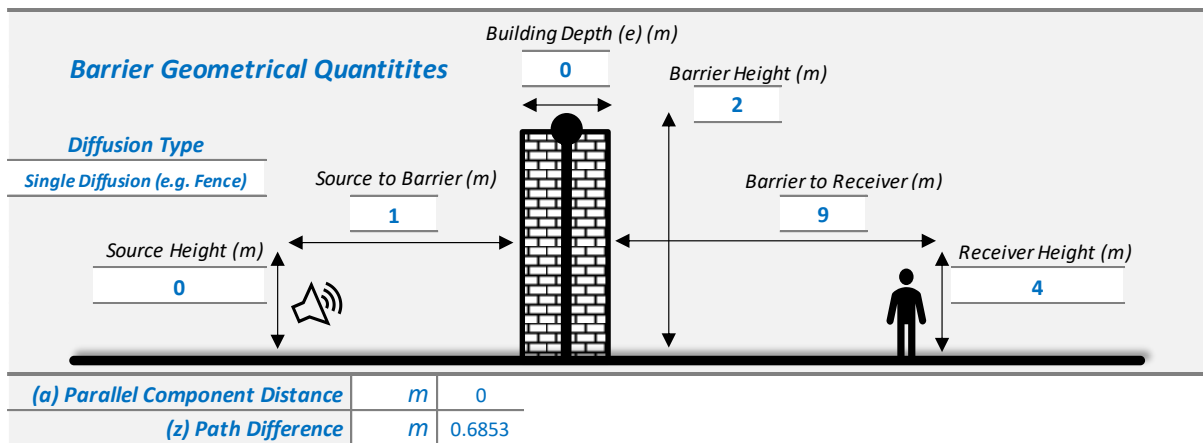
Temperature °C	20	Humidity %	70		
Ground Factor at Source (Gs)	0	Ground Factor for Middle Region (Gm)	0	Ground Factor at Receiver (Gr)	0

Source to Receiver (d)	m	10
Reference Distance (d0)	m	1

Source Height	m	0
Receiver Height	m	4

Attenuations

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Distance Attenuation (Adiv)	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
Atmospheric Attenuation (Aatm)	0.00	0.00	-0.01	-0.03	-0.05	-0.09	-0.23	-0.77
Total Ground Effects (Agr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reflections at Source	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reflections at Receiver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barrier Attenuation (Abar)	-7.4	-9.0	-11.1	-13.6	-16.3	-19.2	-20.0	-20.0



Receiver Levels

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	dBA
Sound Pressure Levels at Receiver	36	30	26	19	14	7	-11	-18	22

Notes:

Distance of barrier to receiver taken from eave of roof

ISO 9613-2 - Attenuation of sound during propagation outdoors - Calculation 2 Summary -

Description: Calculation of external sound propagation of AC unit Towards NSR 2

Noise Source Details

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	dBA
<Enter Noise Source Here> LpA	63	59	57	53	50	46	29	23	55

Environmental Parameters

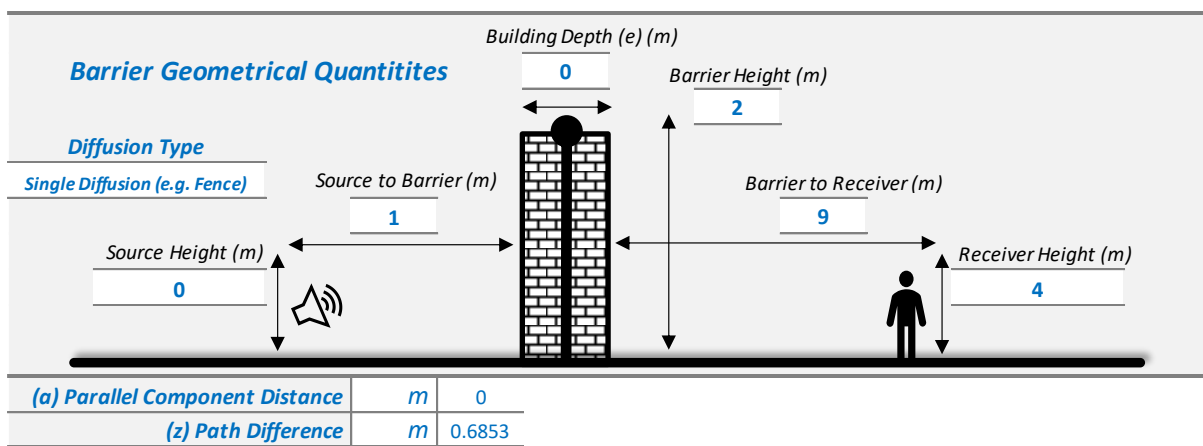
Temperature °C	20	Humidity %	70		
Ground Factor at Source (Gs)	0	Ground Factor for Middle Region (Gm)	0	Ground Factor at Receiver (Gr)	0

Source to Receiver (d)	m	10
Reference Distance (d0)	m	1

Source Height	m	0
Receiver Height	m	4

Attenuations

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Distance Attenuation (Adiv)	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
Atmospheric Attenuation (Aatm)	0.00	0.00	-0.01	-0.03	-0.05	-0.09	-0.23	-0.77
Total Ground Effects (Agr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reflections at Source	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reflections at Receiver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barrier Attenuation (Abar)	-7.4	-9.0	-11.1	-13.6	-16.3	-19.2	-20.0	-20.0



Receiver Levels

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	dBA
Sound Pressure Levels at Receiver	36	30	26	19	14	7	-11	-18	22

Notes:

Distance of barrier to receiver taken from eave of roof

ISO 9613-2 - Attenuation of sound during propagation outdoors - Calculation 3 Summary -

Description: Calculation of external sound propagation of AC unit Towards NSR 3

Noise Source Details

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	dBA
<Enter Noise Source Here> LpA	63	59	57	53	50	46	29	23	55

Environmental Parameters

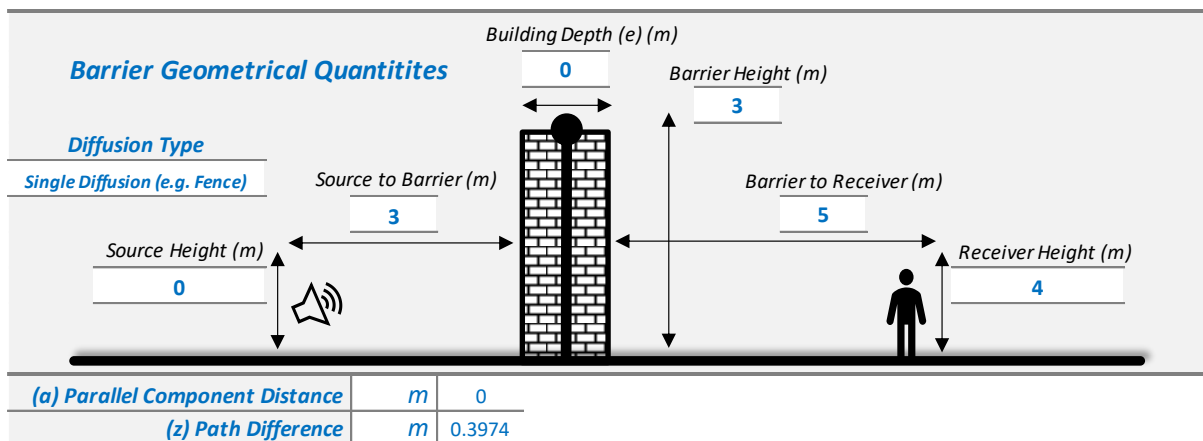
Temperature °C	20	Humidity %	70		
Ground Factor at Source (Gs)	0	Ground Factor for Middle Region (Gm)	0	Ground Factor at Receiver (Gr)	0

Source to Receiver (d)	m	12
Reference Distance (d0)	m	1

Source Height	m	0
Receiver Height	m	4

Attenuations

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Distance Attenuation (Adiv)	-21.6	-21.6	-21.6	-21.6	-21.6	-21.6	-21.6	-21.6
Atmospheric Attenuation (Aatm)	0.00	0.00	-0.01	-0.03	-0.06	-0.11	-0.27	-0.92
Total Ground Effects (Agr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reflections at Source	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Reflections at Receiver	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Barrier Attenuation (Abar)	-6.5	-7.7	-9.4	-11.6	-14.2	-16.9	-19.8	-20.0



Receiver Levels

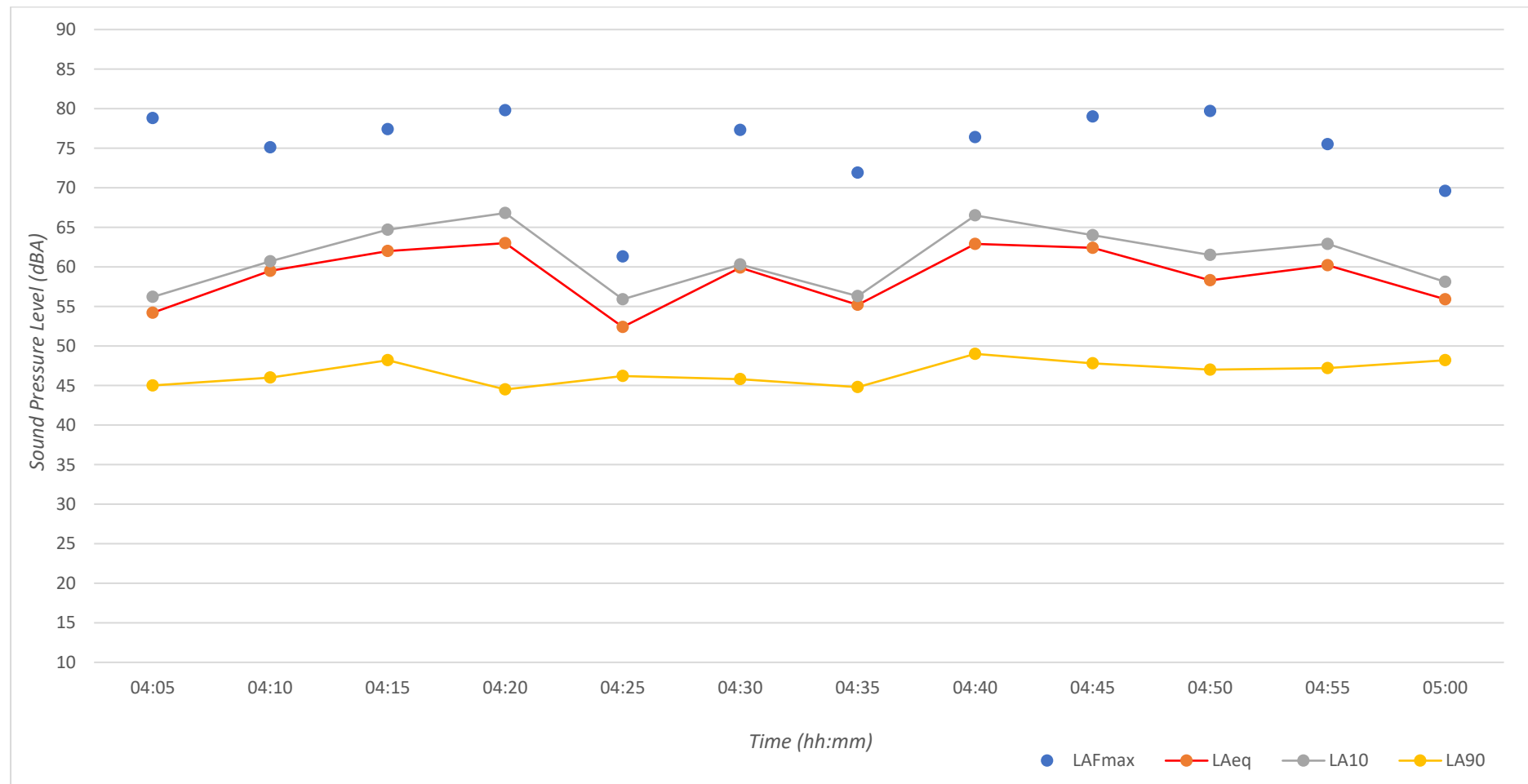
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	dBA
Sound Pressure Levels at Receiver	41	36	32	26	20	13	-7	-14	28

Notes:

Distance of barrier to receiver taken from corner of adjacent building

APPENDIX F – Noise Survey Results

Measured Background Sound Levels (M1): 16th March 2021



APPENDIX G – Technical data sheets

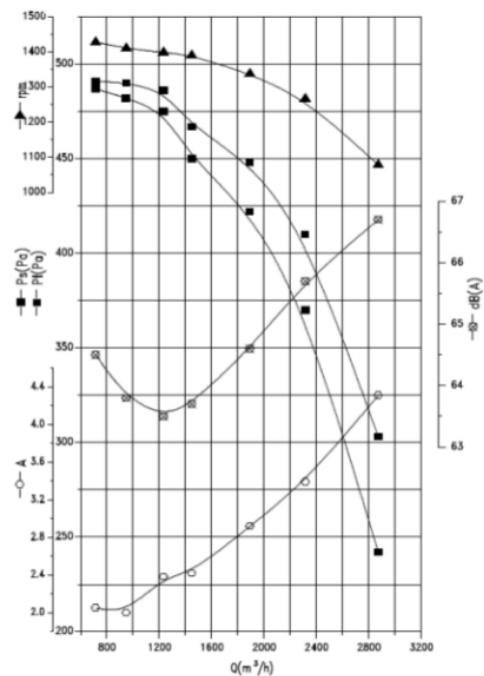
Combi Steel Extraction Hood – 7333. 0780 – Internally mounted fan data



Parameter

Fan Model No:	SVQ 9-9-1400
Voltage:	220V
Voltage range:	207~243V
Power:	450W
Pole:	4 Pole
Capacitor:	20μF 450V
Frequency:	50Hz
Electric Current:	4,0A
Humidity:	90% RH
Level of Protection:	IP30
Protection Temp:	130°C
Recovery Temperature:	90°C
Insulation Grade:	B
Operating Temperature Range:	-15°C~+40°C
Operation Humidity Range:	0%~90% RH
Air Volume:	700-3000 m ³ /h
Pressure:	250-460Pa
Rotation Speed:	1100-1390 rpm
Noise:	64-67dB (A)

Test environment complies with ISO5801-1997. Noise is tested at a distance of 1 meter from the air inlet.



Fujitsu - AOYG54LATT data sheet

Specifications

(TENTATIVE)

Model No.		Indoor unit		Compact Cassette	
				AUYG18LVLB	AUYG24LVLA
Power Source				Single-phase, ~230V, 50Hz	
Airflow Rate (High)	Cooling	H/M/L/Q	m ³ /h	680/580/490/410	930/830/600/450
Net Dimension H × W × D			mm	245×570×570	245×570×570
Weight			kg(lbs)	15 (33)	16 (35)
Cassette Grille (To be ordered separately)				UTG-UFYD-W	UTG-UFYD-W

Model No.		Indoor unit		Duct		Floor/Ceiling Universal	
				ARYG18LLTB	ARYG24MLMA	ABYG18LVTB	ABYG24LVTA
Power Source				Single-phase, ~230V, 50Hz		Single-phase, ~230V, 50Hz	
Airflow Rate (High)	Cooling	H/M/L/Q	m ³ /h	1100/910/750/580	1100/910/750/580	780/700/560/500	980/820/680/540
Net Dimension H × W × D			mm	270 × 1135 × 700	270 × 1135 × 700	199 × 990 × 655	199 × 990 × 655
Weight			kg(lbs)	38 (84)	38 (84)	27 (60)	27 (60)
Filter (To be ordered separately)				-	UTOLF25NA	-	-

Model No.		Outdoor unit		AOYG36LBTB	AOYG54LBTB	AOYG36LATT	AOYG54LATT
Capacity	Cooling	kW	10.0	13.3	10.0	14.0	
	Heating		11.2	15.0	11.2	16.0	
Power Source				Single-phase, ~230V, 50Hz		3-phase, ~400V, 50Hz	
Pdesign	Cooling	kW	10.0	-	10.0	-	
	Heating (-10°C)		10.0	-	10.0	-	
SEER	Cooling	W/W	5.56	-	6.00	-	
SCOP	Heating		3.90	-	4.00	-	
Annual Energy Consumption	Cooling	kWh/a	629	-	583	-	
	Heating		3588	-	3499	-	
Energy Efficiency Class	Cooling		A	-	A+	-	
	Heating		A	-	A+	-	
Sound Pressure Level (High)	Cooling	dB(A)	52	55	51	55	
Sound Power Level (High)	Heating		69	72	69	71	
Net Dimension H × W × D			mm	1290×900×330	1290×900×330	1290×900×330	
Weight			kg(lbs)	93(205)	93(205)	104 (229)	
Connection Pipe Diameter (Liquid / Gas)				3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	
Max Pipe Length (Pre-Charge)			m	75(30)	75(30)	75(30)	
Height Difference				30	30	30	
Operation Range	Cooling	°CDB	-15 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)		R410A (2,088)	R410A (2,088)	R410A (2,088)	R410A (2,088)	
	Charge	g	3,450	3,450	3,450	3,450	
Separation tube				UTP-SX236A(Twin)	UTP-SX254A(Twin)/ UTP-SX354A(Triple)	UTP-SX236A (Twin)	UTP-SX254A (Twin) / UTP-SX354A (Triple)



Let us introduce ourselves

Peak Acoustics formed in 2011, we are a fully accredited specialist consultancy and testing organisation.

We are a diverse team of Acoustic Consultants, Specialist Engineers and Building Compliance Technicians, with a network spanning the UK. We are proud to offer our services nationally, with no job too big or small.

We provide Acoustic Consultancy, Building Compliance Testing and Energy Services.

Additional Services

We offer an extensive range of services in the sectors of Acoustic Consultancy, Building Compliance & Energy Efficiency. We are able to put together custom packages combining multiple services which saves both time and money for you.

Building Compliance

- Sound Insulation Testing
- Air Tightness Testing
- Ventilation Testing
- Water Efficiency Calculations
- Sound Insulation Specification

Energy Efficiency

- SAP Calculations
- EPC's
- SBEM Calculations
- Energy Statements
- Sustainability Statements
- MEES Regulations
- Commercial EPC's

Acoustic Consultancy

- Noise Assessment for planning conditions
- Construction site noise monitoring
- Noise at work assessments
- Noise & Vibration Impact Assessments

Peace of mind

We are accredited and registered by all the relevant major UK authorities to provide the services we offer. Peak Acoustics is UKAS accredited for sound insulation testing, ATTMA registered for Air Leakage Testing. and our Energy team are all Domestic On-Completion Energy Assessors.

Our Added Value

We combine our detailed knowledge of building regulations with our technical understanding of building physics, acoustics and environmental sciences to maximise development quality. Our work ensures appropriate strategies and studies are prepared to demonstrate to local authorities how proposed developments will be of high quality and generate acceptable impact on the surrounding environment.

Contact Us

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Opening hours

Mon - Fri: 8:30 - 17:00