Camden

Acoustic report checklist for planning applications

Please fill in the checklist and attach to the acoustic report with your planning application.

Please place a tick against one box for every item in each category, to indicate whether the relevant information has been included in the report, excluded, or does not apply.

Category ITEM	Yes	No	Not applicable- state why?
1. Introduction & Description of Development		✓	See main application.
2. Authors name and qualifications	✓		A. Bittrell Cool Environment.
3. Maps/Plans included		✓	see Main application
4. Photo of site and surroundings			see Main application
5. Guidance/Standards Quoted?	✓		See letter.
6. Calibration and Sound Level Meter details			8928 Digital SoundMeter 'A'
7. Is Development considered Noise Sensitive?		✓	Rear, Basement Level.
8. Is Development Potentially Noisy (see LAQs)?	✓	✓	
9. Existing Noise Environment assessed?	✓		Sampled between 7am – 9pm.
10. Impact of Noise Sources?		✓	Existing Restaurant terrace during day
11. Proposed Working Hours and Methods?	✓		see Main Application
12. Distance (nearest Noise sensitive receptor)?			2nd flow Bedroom
13. Boundary Noise Limits?			N/A.

Category ITEM	Yes	No	Not applicable – state why?
14. Building Orientation/Construction?		✓	see main application
15. Noise Barriers/ attenuation proposed?		✓	Not Regd.
16. Equipment Specification?	✓		Attached
17. Noise Management Plan?	No Night-Work		Not Regd
18. Background Noise measurement (General)?	checked the		hourly Max/Min during working day
19. Background Noise (Worse Case)?			N/A.
20. LB Camden's Noise Conditions considered under DP28/DP29?	✓		
21. Evaluation/Analysis of measured levels?	✓		see Attached
22. Frequency Analysis done?		✓	Not Regd.
23. Vibration analysis done?		✓	Not Regd.

Other Considerations/comments (please specify)

PLEASE FIND ATTACHED EQUIPMENT DATA SHEET

Signed ..... Print name. ABI THEC

Company details. COOL ENVIROMENTS

Date. 06-07-2014

If you have any queries on filling in this form please see further guidance on the planning website, email helen.masterson@camden.gov.uk or ring our Noise duty officer on 0207 974 2163.

DAIKIN

Inverter technology | Energy saving during operation standby (MXS) | Home leave operation | Fan only | Auto cooling-heating changeover | Whisper quiet | Outdoor unit silent operation (MXS) | Night quiet mode (MXS) (cooling only) | Fan speed steps (2) | Dry programme | Air filter | Weekly timer | Wired remote control | Auto-restart

Self diagnosis | Multi model application (FDBQ) | VRV for residential application (FDBQ)

VRV

Fully integrated solutions for medium to large commercial environments

INDOOR UNIT					FXDQ20M9	FXDQ25M9
Cooling capacity	Nom.			kW	2.2	2.8
Heating capacity	Nom.			kW	2.5	3.2
Power input - 50Hz	Cooling	Nom.		kW	0.050	
	Heating	Nom.		kW	0.050	
Casing Colour					Unpainted	
Dimensions	Unit	HeightxWidthxDepth		mm	230x502x652	
Required ceiling void >				mm	250	
Weight	Unit			kg	17	
Fan-Air flow rate - 50Hz	Cooling	High/Low		m^3/min	6.7/5.2	7.4/5.8
	Heating	High/Low		m^3/min	6.7/5.2	7.4/5.8
Sound power level	Cooling	Nom.		dBA	50	
Sound pressure level	Cooling	High/Low		dBA	37/32	
	Heating	High/Low		dBA	37/32	
Refrigerant	Type				R-410A	
Piping connections	Liquid/OD/Gas/OD/Drain			mm	6.35/12.7/I.D. 21.6, O.D. 27.2	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

FXDQ-M9

Heating & Cooling

SkyAir

Perfect for light commercial applications

INDOOR UNIT				FDBQ25B
Cooling capacity	Nom.		kW	-
Heating capacity	Nom.		kW	-
Casing	Material			Zinc coated low carbon steel
Dimensions	Unit	HeightxWidthxDepth	mm	230x652x502
Weight	Unit		kg	17.0
Fan - Air flow rate	Cooling	High/Low	m^3/min	6.50/5.20
	Heating	High/Low	m^3/min	6.95/5.20
Sound power level	Cooling	High/Low	dBA	55.0/49.0
	Heating	High/Low	dBA	55.0/49.0
Sound pressure level	Cooling	High/Low	dBA	35.0/28.0
	Heating	High/Low	dBA	35.0/29.0
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.52
	Drain			27.2
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230

FDBQ25B

BRC1E52A/B

(1) Sound values are measured in a semi-anechoic room. (2) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. (3) The sound power level is an absolute value indicating the power which a sound source generates.

OUTDOOR UNIT					3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Dimensions	Unit	HeightxWidthxDepth		mm	735x936x300				770x900x320	
Weight	Unit			kg	49		58		72	73
Sound power level	Cooling	Nom.		dBA	59		61		62	66
Sound pressure level	Cooling	Nom.		dBA	46			48		52
	Heating	Nom.		dBA	47			49		52
Compressor	Type				Hermetically sealed swing compressor					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-410A					
	GWP				1,975					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.5	9.52				
	Drain	OD		mm	16 (inner diameter of connecting hose)				25	
	Gas 2	OD		mm	-	12.7				
	Gas 3	OD		mm	-	15.9	-		15.9	
	Piping length	OU - IU	Max.	m	25					
	Level difference	OU - OU	Max.	m	15					
		IU - IU	Max.	m	7.5					
	Total piping length	System	Actual	m	50		60		70	75
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230					

Daikin Units

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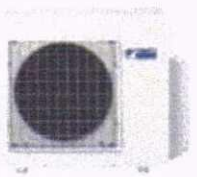
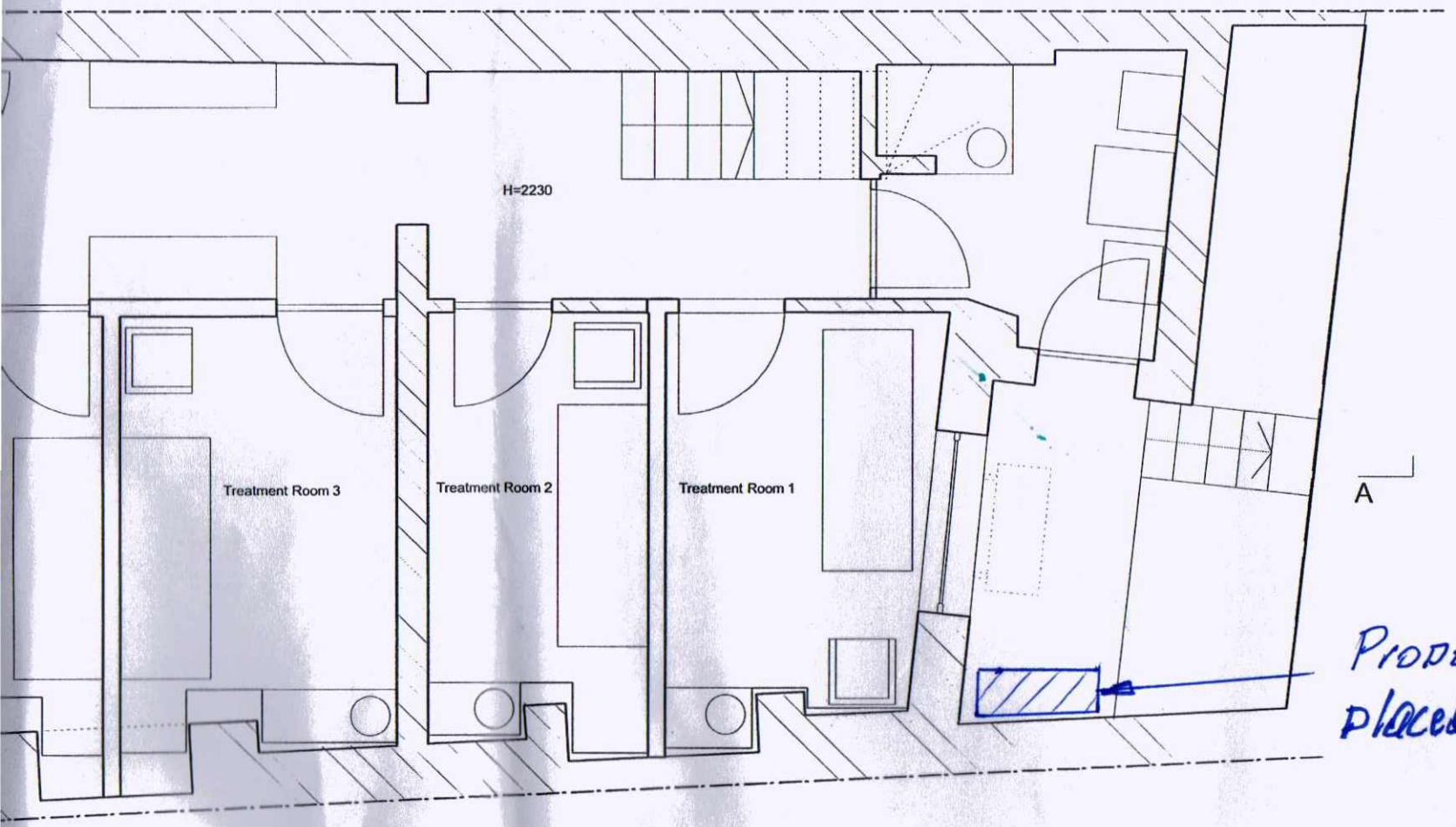


OUTDOOR UNIT					RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	12.6	14.0	15.5
Heating capacity	Nom.			kW	14.2	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	3.24	3.51	4.53
	Heating	Nom.		kW	3.12	3.86	4.57
EER					3.89	3.99	3.42
COP					4.55	4.15	3.94
Maximum number of connectable indoor units					8	9	9
Indoor index connection	Min.				50	62.5	70
	Max.				130	162.5	182
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320		
Weight	Unit			kg	120		
Sound power level	Cooling	Nom.		dBA	66	67	69
Sound pressure level	Cooling	Nom.		dBA	50	51	53
	Heating	Nom.		dBA	52	53	55
Operation range	Cooling	Min.~Max.		°CDB	-5~46		
	Heating	Min.~Max.		°CWB	-20~15.5		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	19.1		
	Total piping length	System	Actual	m	115	135	145
	Level difference	OU - IU		m	40 (Outdoor unit in highest position) / 30 (Indoor unit in highest position)		
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	32.0		

(1) EER/COP according to Eurovent 2012



N

revisions:

Mark Zudini
Unit 2, No9 Chatsworth rd
London E5 0LH

status:
PLANNING

project:
128 Regent's Park Rd NW1

drawing:
BASEMENT FLOOR PLAN AS PROPOSED

date:	scale:	job no:	dwg no:
APRIL 2014	1:50@A3	070	P0.02