

Planning Application

Date: 7th April 2026

Site address: 25 North Grove, London, N6 4SH

Reason for planning application: Request for air-conditioning condenser unit to be placed on roof

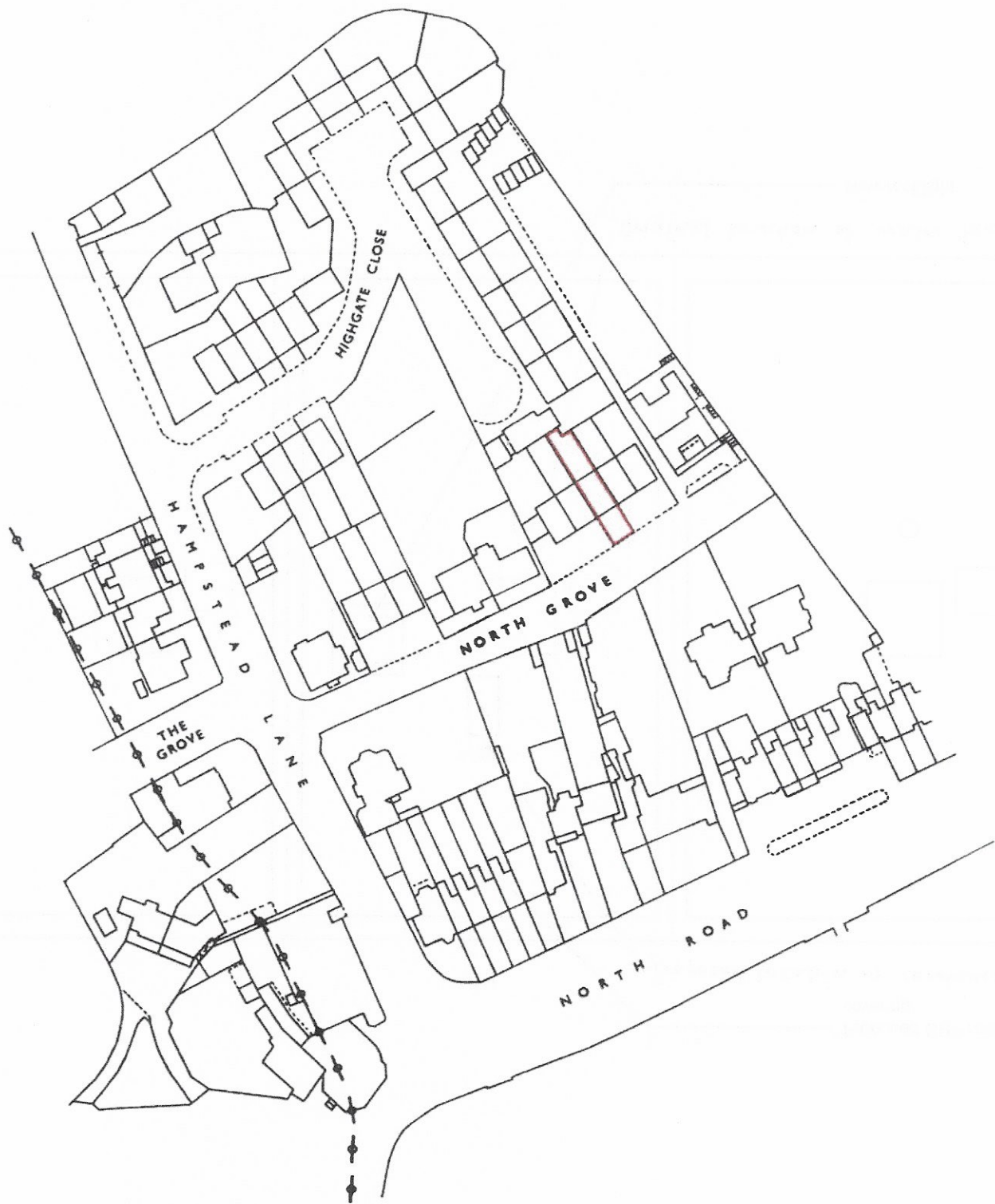
Included in this document:

- Site location plan
- Existing roof plan
- Proposed roof plan
- Section to show that condenser unit will not be visible from street level
- Photos
 - o Property from the street
 - o Photo from centre of the roof
- Specification of condenser unit
 - o Model: Daikin 3MXM68A8
 - o Type: Condensing Unit Inverter Heat Pump
 - o Size: H734mm x D408mm x W974mm (0.29m³)
 - o Max sound level: 61dBA / night quiet mode 58dBA

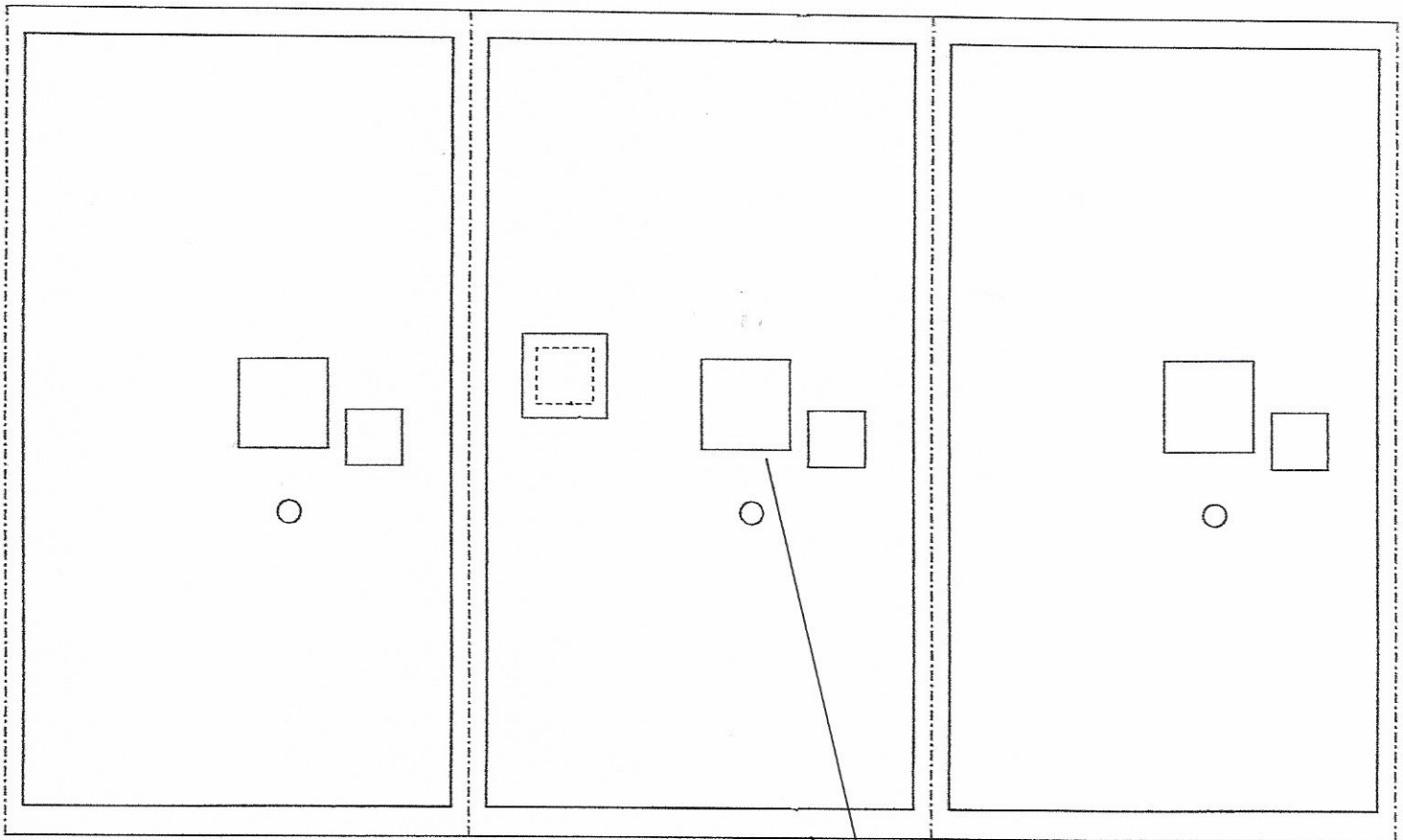
Proposed usage: only for use on days in the summer months when the internal temperature in the bedrooms reaches intolerable levels and therefore impairs sleep quality

Proposed location: to the rear centre of the roof, away from neighbouring properties on both sides, and to ensure it is not visible from the street

Proposed unit is a new high quality unit with a quiet night setting. It has a max sound level equivalent to normal conversation and so will not cause any disruption to our neighbours. It will be used at a minimum level to cool bedrooms only during hot spells in the summer.



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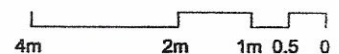


Original location of water tank
(removed during works in 2015
to replace roof covering and
other works, planning ref
HQ4/2015/1200)

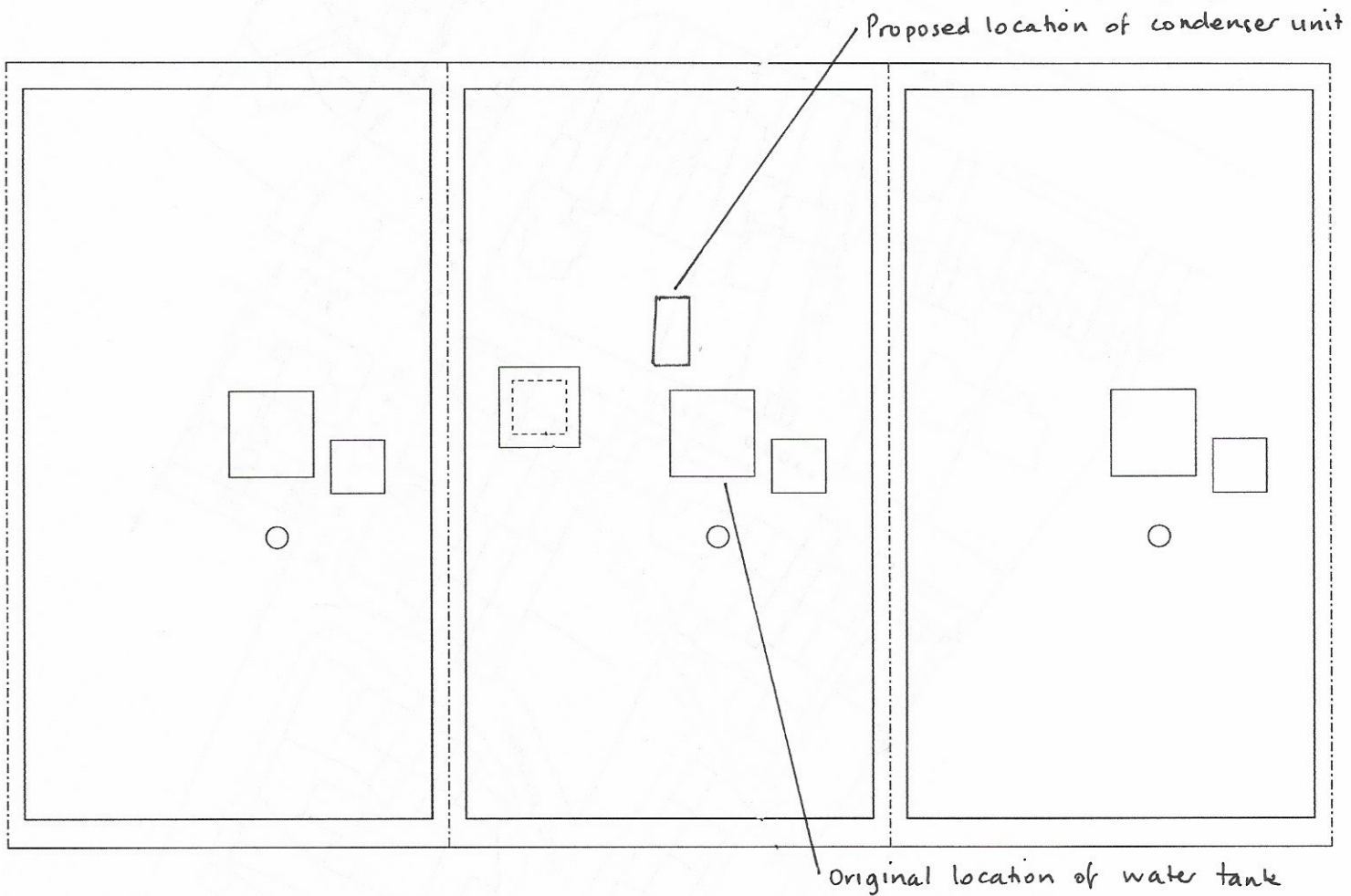
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Existing roof plan 1:100 / A4



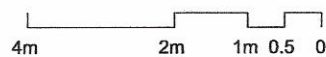
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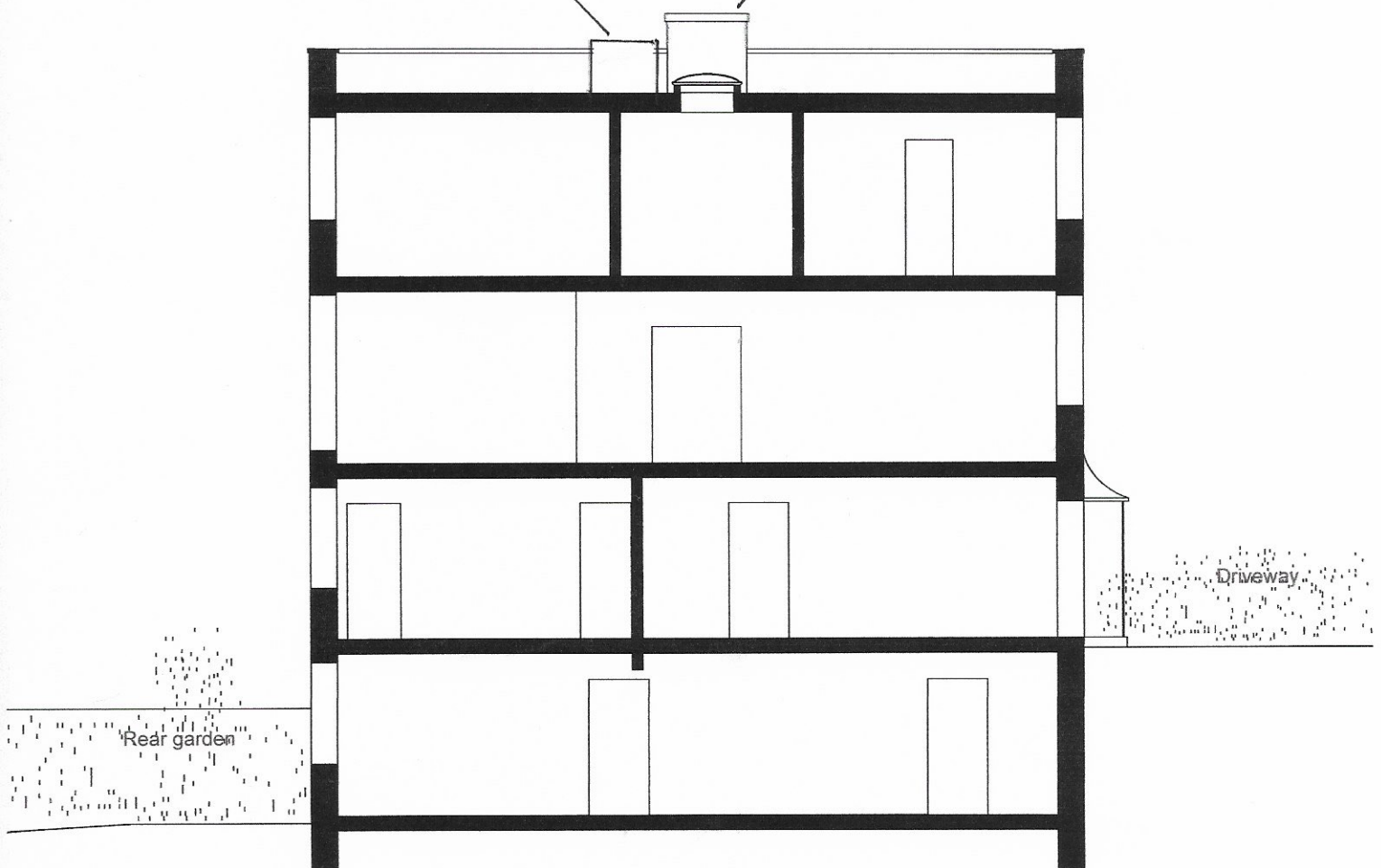


Proposed roof plan 1:100 / A4



Proposed condenser unit
location

Original location of water tank



2 Specifications

2 - 1 Specifications

Technical specifications					3MXM40A8	3MXM52A8	3MXM68A8	
Refrigerant	Charge			tCO2Eq	1.22		1.35	
Casing	Colour					Ivory white		
Dimensions	Unit	Height	mm			734		
		Width	mm			974		
		Depth	mm			408		
	Packed unit	Height	mm			820		
		Width	mm			1,050		
		Depth	mm			480		
Weight	Unit		kg	57		62		
	Packed unit		kg	63		67		
Heat exchanger	Length			mm		920		
	Rows	Quantity				2		
	Fin pitch			mm		1.40		
	Stages	Quantity				32		
	Passes	Quantity				6.40		
	Tube type					HI-XA		
	Tube diameter			mm		8.0		
	Fin	Type				WH58 FIN-HYDROPHILIC		
		Treatment				Anti-corrosion treatment		
	Fan	Type					Propeller fan	
Discharge direction					Horizontal			
	Quantity					1		
	Air flow rate	Cooling	High	m³/min	42.0		46.5	
				cfm	1,483		1,642	
			Medium	m³/min	42.0		42.5	
				cfm	1,483		1,501	
		Low	m³/min	24.0		24.1		
			cfm	847		851		
			Heating	High	m³/min	41.0		43.8
					cfm	1,447		1,547
	Medium	m³/min		41.0		43.8		
		cfm		1,447		1,547		
	Low	m³/min	24.0		16.1			
		cfm	847		569			
	Fan motor	Quantity					1	
		Model					D55F-31	
	Fan motor	Output			W		55	
Speed		Cooling	High	rpm	700		760	
			Medium	rpm		700		
			Low	rpm		420		
Heating		High	rpm	680		720		
		Low	rpm	420		300		
		Medium	rpm	680		720		
Compressor		Quantity					1	
	Model				2YC40JXD#C		2YC71DXD#C	
	Oil Amount			cm³	650		900	
	Type				Hermetically sealed swing compressor			
	Output			W	1,300		2,400	
	Oil Type					FW68DA		
Operation range	Cooling	Ambient	Min.	°CDB		-10		
			Max.	°CDB		50		
	Heating	Ambient	Min.	°CDB		-20		
			Max.	°CDB		24		
Sound power level	Cooling	Max	dBA		63			
		Nom.	dBA	59		61		
		Night quiet mode	dBA	58		59		
		Tonal adjustment	dBA		0			
	Heating	Max	dBA		63			
		Nom.	dBA	59		61		
		Night quiet mode	dBA	58		59		
		Tonal adjustment	dBA		0			
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dBA	62		61		
		Night quiet mode	dBA	57		58		
		Tonal adjustment	dBA		0			
	Heating	Max.	dBA	62		61		
		Night quiet mode	dBA	57		58		
		Tonal adjustment	dBA		0			
Sound pressure level	Cooling	Nom.	dBA	46		48		
	Heating	Nom.	dBA	47		48		

2 Specifications

2 - 1 Specifications

Technical specifications				3MXM40A8	3MXM52A8	3MXM68A8
Refrigerant	Type			R-32		
	Charge	kg		1.80		2.00
	Charge	tCO ₂ Eq		1.22		1.35
	Control			Expansion valve		
Refrigerant	GWP			675		
Piping connections	Liquid	Quantity		3		
		OD	mm	6.35		
	Gas	Quantity		1		
		OD	mm	9.5		
	Drain	Quantity		1		
		OD	mm	16 (inner diameter of connecting hose)		
	Gas 2	Quantity		2		
		OD	mm	12.7		
	Piping length	OU - IU	Min.	3 (1)		
			Max.	25 (1)		
		System	Chargeless	30		
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	15		
		IU - IU	Max.	7.5		
	Heat insulation			Both liquid and gas pipes		
	Total piping length	System	Actual	50 (2)		50
Capacity control	Method			Variable (inverter)		

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Drain cap;Quantity: 3;

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Reducer assembly;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Standard accessories: FTXJ42A2V1B5;Quantity: ;

Standard accessories: FVXM25B2V1B;Quantity: ;

Electrical specifications				3MXM40A8	3MXM52A8	3MXM68A8
Power supply	Phase			1~		
	Frequency	Hz		50		
	Voltage	V		220-240		
Wiring connections	For power supply	Quantity		3		
		Remark		Earth wire included		
	For connection with indoor	Quantity		4		
		Remark		Earth wire included		

(1)For one room |

(2)For combination with CVXM-A, FVXM-A - maximum piping length is 30m. |

(3)See separate drawing for operation range |

(4)See separate drawing for electrical data |

(5)Contains fluorinated greenhouse gases



Photo of property from street

Neighbours water tanks are not visible from street level and are taller than proposed unit (water tanks 110cm high, vs condenser unit 73.4cm high)



Photo from centre of roof

This photo was taken at eye level (165cm) from the centre of the roof, the street is not visible from this position, and the condenser unit height is significantly lower than this at 73.4cm high