



Air Conditioning Technical Data

Multi model application



EEDEN15-100

MXS-G

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MXS-G

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1 Features

- Outdoor units for multi model application.
- Up to 3 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- Night quiet mode automatically reduces the operation sound of the outdoor unit by 3dBA during nighttime (multi outdoor units in cooling mode only)
- The use of inverter type outdoor units results in an air conditioning system with a high energy efficiency and very low sound level
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



Inverter



Night quiet mode

2 Specifications

2-1 Technical Specifications				3MXS68G	
Capacity control	Method			Inverter controlled	
Casing	Colour			Ivory white	
Dimensions	Unit	Height	mm	735	
		Width	mm	936	
		Depth	mm	300	
	Packed unit	Height	mm	797	
		Width	mm	992	
Depth		mm	390		
Weight	Unit		kg	58	
	Packed unit		kg	63	
Heat exchanger	Length		mm	845	
	Rows	Quantity		2	
	Fin pitch		mm	1.6	
	Stages	Quantity		32	
	Tube type			ø8 Hi-XA	
	Fin	Type		WF fin	
		Treatment		Anti-corrosion treatment	
Compressor	Model			2YC45DXD#C	
	Type			Hermetically sealed swing compressor	
	Output		W	1,380	
Fan	Type			Propeller fan	
	Air flow rate	Cooling	High	m ³ /min	52.7
				cfm	1,861
			Nom.	m ³ /min	49.4
				cfm	1,744
			Low	m ³ /min	43.5
				cfm	1,536
			Super low	m ³ /min	-
		cfm		-	
		Heating	High	m ³ /min	46.4
				cfm	1,638
			Nom.	m ³ /min	44.5
				cfm	1,571
			Low	m ³ /min	16.3
				cfm	576
	Super low		m ³ /min	-	
		cfm	-		
	Running current	Cooling	Low	A	0.10
			Standard	A	0.16
			High	A	0.20
		Heating	Low	A	0.03
Standard			A	0.14	
High			A	0.16	
Power consumption	Cooling	Low	W	36	
		Standard	W	58	
		High	W	70	
	Heating	Low	W	10	
		Standard	W	48	
		High	W	55	

2 Specifications

2

2-1 Technical Specifications					3MXS68G		
Fan motor	Model				KFD-380-50-8C		
	Output			W	53		
	Speed	Cooling	High	rpm	840		
			Nom.	rpm	790		
			Low	rpm	700		
			Super low	rpm	-		
	Heating	High	rpm	780			
		Nom.	rpm	750			
		Low	rpm	300			
Super low		rpm	-				
Sound power level	Cooling			dBA	61		
	Heating			dBA	-		
Sound pressure level	Cooling	Nom.		dBA	48		
	Heating	Nom.		dBA	49		
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CWB	-15		
			Max.	°CWB	18		
Refrigerant	Type				R-410A		
	Charge			kg	2.59		
				TCO ₂ eq	5.4		
	GWP				2,087.5		
Refrigerant oil	Type				FVC50K		
	Charged volume			l	0.65		
Piping connections	Liquid	Quantity			3		
		OD		mm	6.35		
	Gas	Quantity			1		
		OD		mm	9.52		
	Drain	ID		mm	-		
		OD		mm	16 (inner diameter of connecting hose)		
	Gas 2	Quantity			2		
		OD		mm	12.7		
	Piping length	OU - IU	Max.	m	25		
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 30m)	
	Level difference	IU - OU	Max.	m	15		
		IU - IU	Max.	m	7.5		
	Heat insulation				Both liquid and gas pipes		
	Total piping length	System	Actual	m	50		

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Drain plug; Quantity : 1;

Standard Accessories : Reducer assembly; Quantity : 1;

Standard Accessories : Air direction adjustment plate;

2-2 Electrical Specifications					3MXS68G	
Power supply	Name				V1	
	Phase				1~	
	Frequency			Hz	50	
	Voltage			V	230	
Current	Starting current	Cooling	A	9.1		
		Heating	A	9.1		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	
Current - 60Hz	Maximum fuse amps (MFA)			A	-	
Wiring connections	For power supply	Remark		3 for power supply, 4 for interunit wiring (including earth wiring)		

4

2 Specifications

Notes

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

3

3MXS68G											
Model		Units				Power supply		Comp.		OFM	
Outdoor	H/P C/O	Hz	Volts	Min.	Max.	MCA	MFA	MSC	RLA	W	FLA
3MXS68G	H/P	50	230	207	253	18.1	20	9.1	8.37	43	0.33

3D080106

<p>SYMBOLS</p> <p>MCA : Min. Circuit Amps. (A) MFA : Max. Fuse Amps (see note 6). (A) MSC : Max. current during the starting compressor. (A) RLA : Rated Load Amps. (A) OFM : Outdoor Fan Motor. (A) FLA : Full Load Amps. (A) W : Fan Motor Rated Output (W)</p>	<p>NOTES</p> <ol style="list-style-type: none"> 1. RLA is based on the following conditions: Cooling Indoor temp.: 27°CDB/19.0°CWB Outdoor temp.: 35°CDB 2. Voltage range. Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits. 3. Maximum allowable voltage variation between phases is 2%. 4. MCA represents maximum input current. MFA represents capacity which may accept MCA. 5. Select wire size based on the value of MCA. 6. MFA is used to select the circuit breaker and the ground fault circuit interrupter. (Earth leakage circuit breaker).
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4 Options

4 - 1 Options

3MXS68G

Outdoor Units

	3MXS68G
Air direction adjustment grille	KP1V945A4

5 Combination table

5 - 1 Combination Table

3MXS68G

NOTES - ANMERKUNGEN - ΣΗΜΕΙΩΣΕΙΣ - NOTAS - REMARQUES - NOTE - OPMERKINGEN - ПРИМЕЧАНИЯ - NOTLAR

5

1 Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature). Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
 Kühlleistungen basieren auf 27 °C TK/19 °C FK (Innen Temperatur); 35 °C TK (Außen Temperatur)
 Heizleistungen basieren auf 20 °C TK (Innen Temperatur); 7 °C TK/6 °C FK (Außen Temperatur)
 Η ψυκτική απόδοση βασίζεται σε 27°CDB / 19°CWB (θερμοκρασία εσωτερικού χώρου), 35°CDB (εξωτερική θερμοκρασία).
 Η απόδοση θέρμανσης βασίζεται σε 20°CDB (θερμοκρασία εσωτερικού χώρου), 7°CDB/6°CWB (εξωτερική θερμοκρασία).
 Capacidad de refrigeración basada en 27 °CDB/19 °CWB (temperatura interior), 35 °CDB (temperatura exterior).
 Capacidad de calefacción basada en 20 °CDB (temperatura interior), 7 °CDB/6 °CWB (temperatura exterior).
 La puissance frigorifique est basée sur les conditions suivantes : 27 °CDB/19 °CWB (température intérieure), 35 °CDB (température extérieure).
 La puissance calorifique est basée sur les conditions suivantes : 20 °CDB (température intérieure), 7 °CDB/6 °CWB (température extérieure).
 La capacità di raffreddamento si basa su 27°CDB/19°CWB (temperatura interna), 35°CDB (temperatura esterna).
 La capacità di riscaldamento si basa su 20°CDB (temperatura interna), 7°CDB/6°CWB (temperatura esterna).
 Het koelvermogen is gebaseerd op 27°C DB/19°C NB (binnentemperatuur), 35°C DB (buitentemperatuur).
 Het verwarmingsvermogen is gebaseerd op 20°C D (binnentemperatuur), 7°C DB/6°C NB (buitentemperatuur).
 Холодопроизводительность при 27°C сух.т./19°C вл.т. (температура в помещении), 35°C сух.т. (температура наружного воздуха).
 Теплопроизводительность при 20°C сух.т. (температура в помещении), 7°C сух.т./6°C вл.т. (температура наружного воздуха).
 Soğutma kapasitesi şu koşullara dayalıdır: 27°C KT/19°C YT'ye (İç ortam sıcaklığı), 35°C KT (Dış ortam sıcaklığı).
 Isıtma kapasitesi şu koşullara dayalıdır: 20C KT (İç ortam sıcaklığı), 7°C KT/6°C YT (Dış ortam sıcaklığı).

2 The total ability of connected a indoor unit is up to 11,0 kW.
 Die Gesamtleistungsfähigkeit der angeschlossenen Innengeräte beträgt bis zu 11,0 kW.
 Η συνολική ικανότητα μιας συνδεδεμένης εσωτερικής μονάδας είναι μέχρι 11,0 kW.
 La capacidad total de una unidad interior conectada es de hasta 11,0 kW.
 La capacité totale d'une unité intérieure connectée est de 11,0 kW maximum.
 La capacità totale di un'unità interna collegata raggiunge i 11,0 kW.
 Het totaal vermogen van een aangesloten binnenunit is tot 11,0 kW.
 Общая мощность подключенного внутреннего блока – до 11,0кВт.
 Bağlı iç ünitenin toplam kapasitesi maksimum 11,0 kW'dır.

3 It is impossible to connect the indoor unit for one room only.
 Es ist nicht möglich, das Innengerät für nur einen Raum anzuschließen.
 Είναι αδύνατη η σύνδεση της εσωτερικής μονάδας μόνο για ένα δωμάτιο.
 Es imposible conectar la unidad interior para una sola habitación.
 Il est impossible de connecter l'unité intérieure pour une seule pièce.
 È impossibile collegare l'unità interna per un solo locale.
 Het is niet mogelijk om alleen een binnenunit voor één vertrek aan te sluiten.
 Невозможно подключить внутренний блок только для одной комнаты.
 İç ünitenin yalnızca tek bir oda için bağlanması mümkün değildir.

4 The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series
 6.0 kW class; wall mounted G series
 Der obige Wert gilt für den Anschluss folgender Innengeräte.
 1,5 kW: Wandgerät Baureihe CTXS-K; 2,0, 2,5, 3,5, 4,2, 5,0 kW: Wandgerät Baureihe FTXS-K
 6,0 kW Klasse; Wandgerät Baureihe G
 Η παραπάνω είναι τιμή για σύνδεση με τις παρακάτω εσωτερικές μονάδες.
 1,5kW: επίτοιχη σειρά CTXS-K 2,0, 2,5, 3,5, 4,2, 5,0kW: επίτοιχη σειρά FTXS-K
 Κατηγορία 6,0 kW, σειρά G επίτοιχου τύπου
 Arriba aparece el valor de conexión para las siguientes unidades interiores
 1,5 kW: serie CTXS-K montada en pared; 2,0, 2,5, 3,5, 4,2, 5,0 kW: serie FTXS-K montada en pared
 Classe 6,0 kW; serie G montada en pared
 La valeur ci-avant est la valeur pour la connexion aux unités intérieures suivantes :
 1,5 kW : unités murales série CTXS-K ; 2,0 / 2,5 / 3,5 / 4,2 / 5,0 kW : unités murales série FTXS-K
 Unités murales série G ; classe 6,0
 Sopra è mostrato il valore per il collegamento alle seguenti unità interne.
 1,5kW: serie CTXS-K a parete; 2,0, 2,5, 3,5, 4,2, 5,0kW: serie FTXS-K a parete
 Classe 6,0 kW; serie G a parete
 De bovenstaande waarde is de waarde voor aansluiting met de volgende binnenunits.
 1,5 kW: muurmodellen CTXS-K-serie. 2,0/ 2,5/ 3,5/4,2/5,0 kW: muurmodellen FTXS-K-serie
 klasse 6,0 kW, muurmodellen G-serie
 Выше приведено значение для соединения со следующими внутренними блоками.
 1,5 кВт: настенный блок серии CTXS-K; 2,0, 2,5, 3,5, 4,2, 5,0 кВт: настенный блок серии FTXS-K
 класс 6,0 кВт; настенный блок серии G
 Aşağıdaki iç ünitelere bağlantı için geçerli veriler yukarıda verilmiştir.
 1,5kW: duvar tipi CTXS-K serisi; 2,0, 2,5, 3,5, 4,2, 5,0 kW: duvar tipi FTXS-K serisi
 6,0 kW sınıfı; duvar tipi G serisi

6 Capacity tables

6 - 1 Capacity Table Legend

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have, to help you select the correct product:

- Capacity table database: makes you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
→ <http://extranet.daikineurope.com/captab>

- E-data app: gives a complete overview of the Daikin products available in your country, with all engineering data and commercial info in your own language. Download the app now!

→ <https://itunes.apple.com/us/app/daikin-e-data/id565955746?mt=8>

→ <https://play.google.com/store/apps/details?id=com.daikineurope.edata&hl=en>



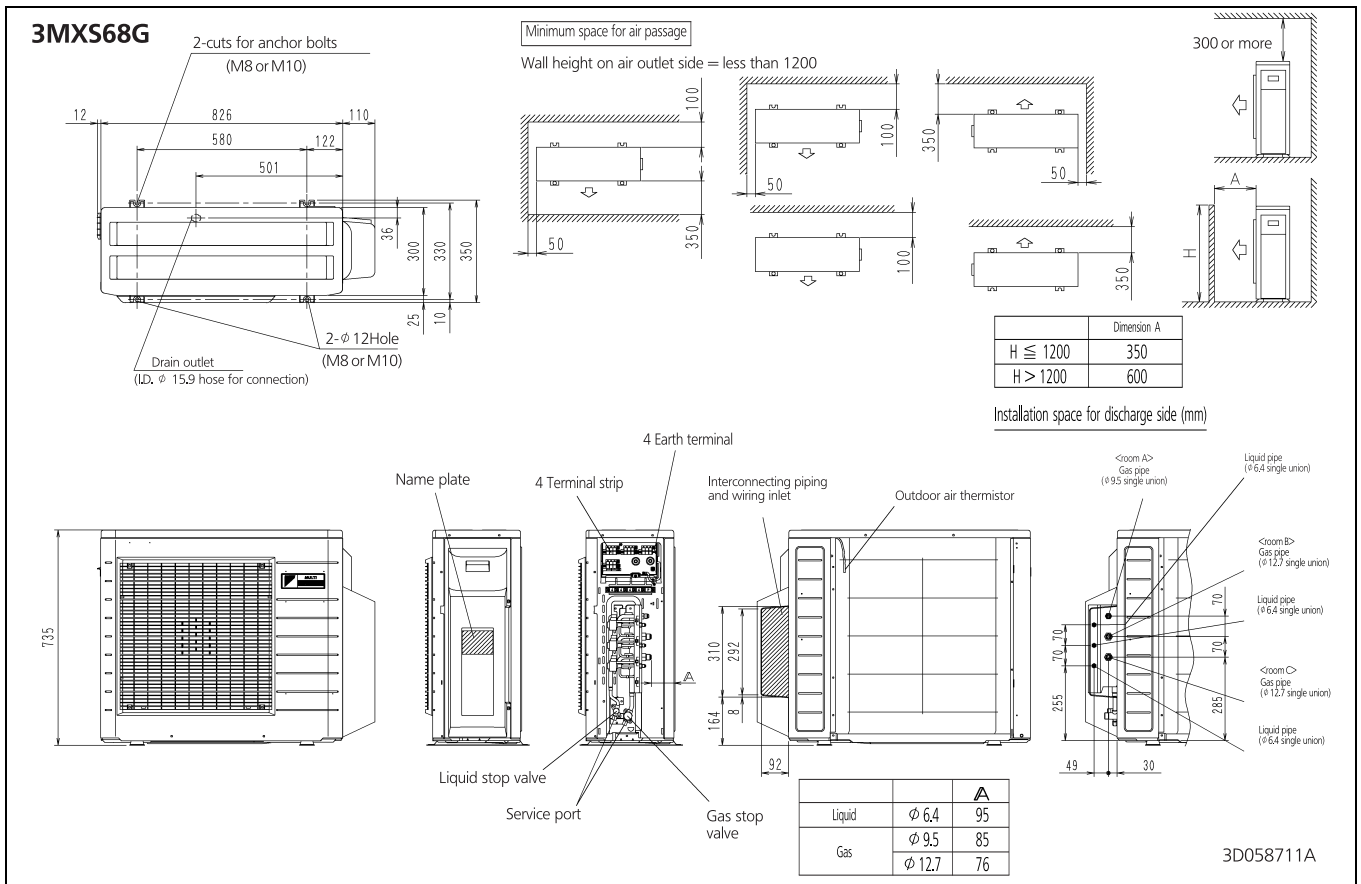
- Selection software: allows you to make equipment selections for Split.

→ <http://extranet.daikineurope.com/en/software/downloads/default.jsp>

7 Dimensional drawings

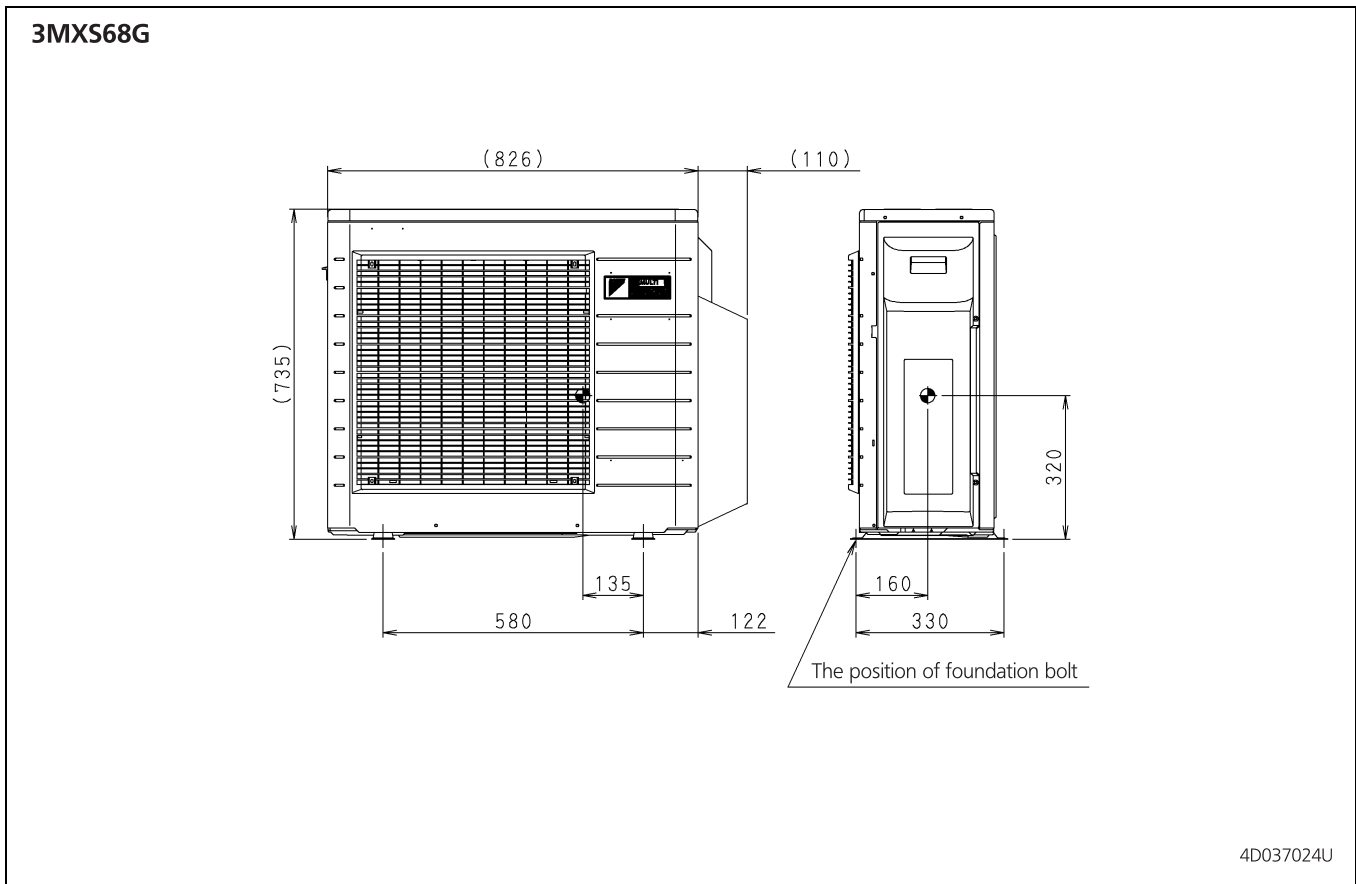
7 - 1 Dimensional Drawings

7



8 Centre of gravity

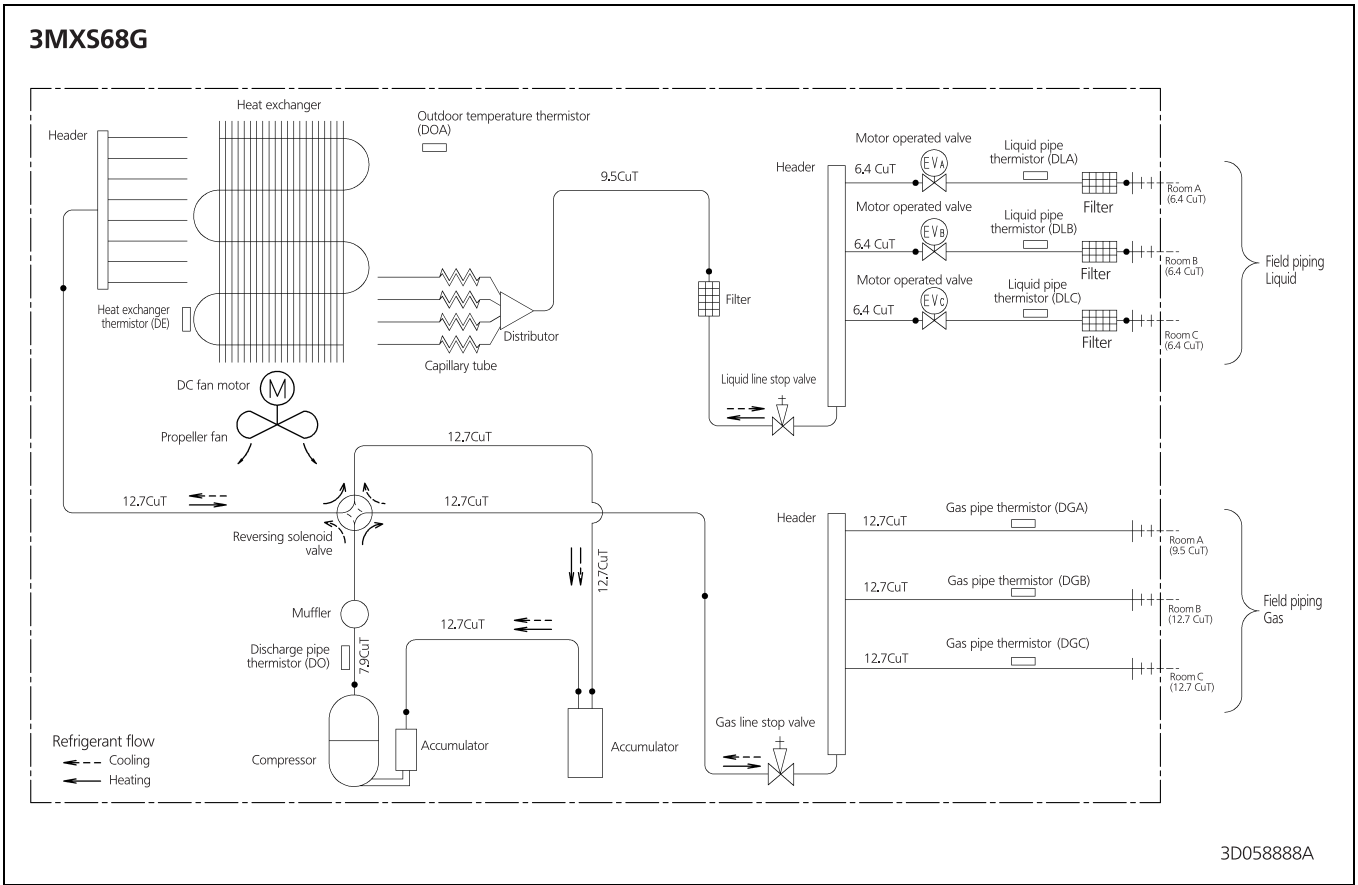
8 - 1 Centre of Gravity



9 Piping diagrams

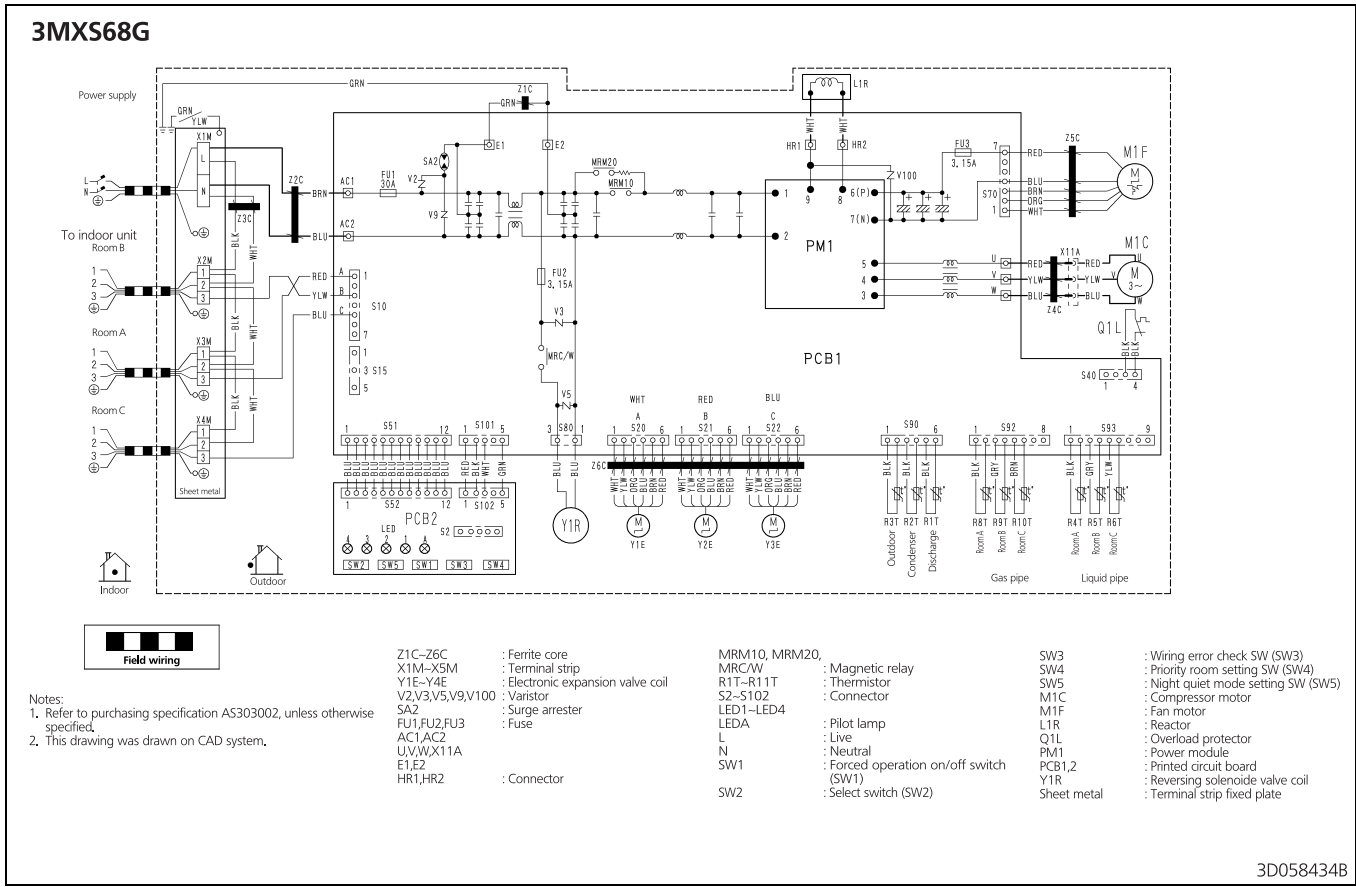
9 - 1 Piping Diagrams

9



10 Wiring diagrams

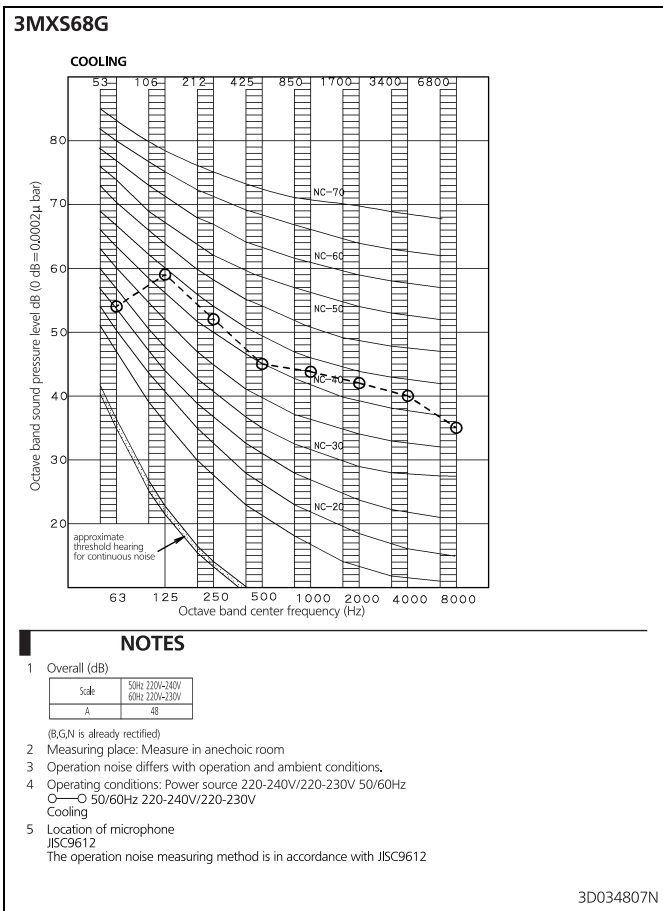
10 - 1 Wiring Diagrams - Single Phase



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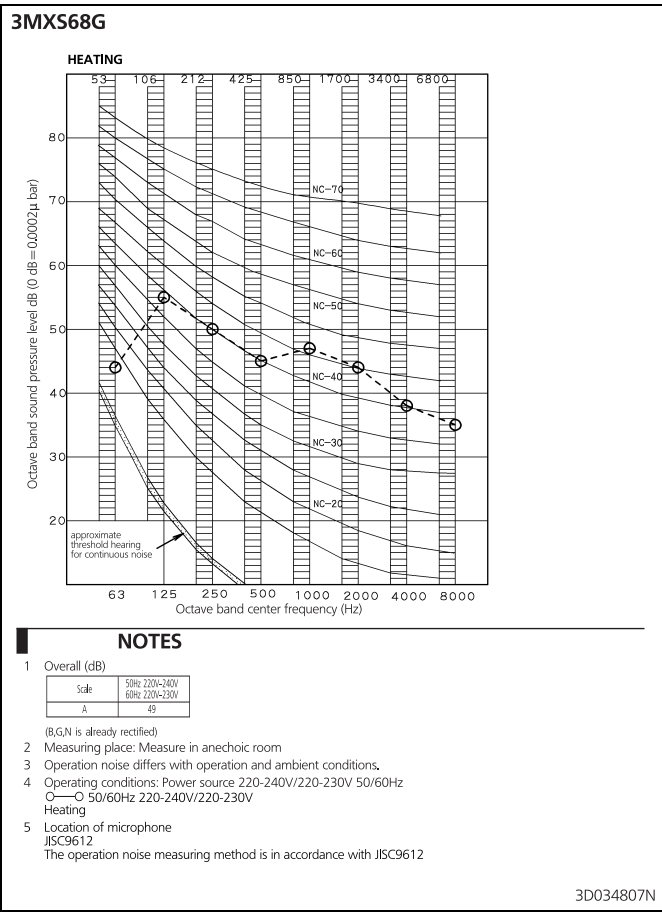
11 Sound data

11 - 1 Sound Pressure Spectrum - Cooling



11 Sound data

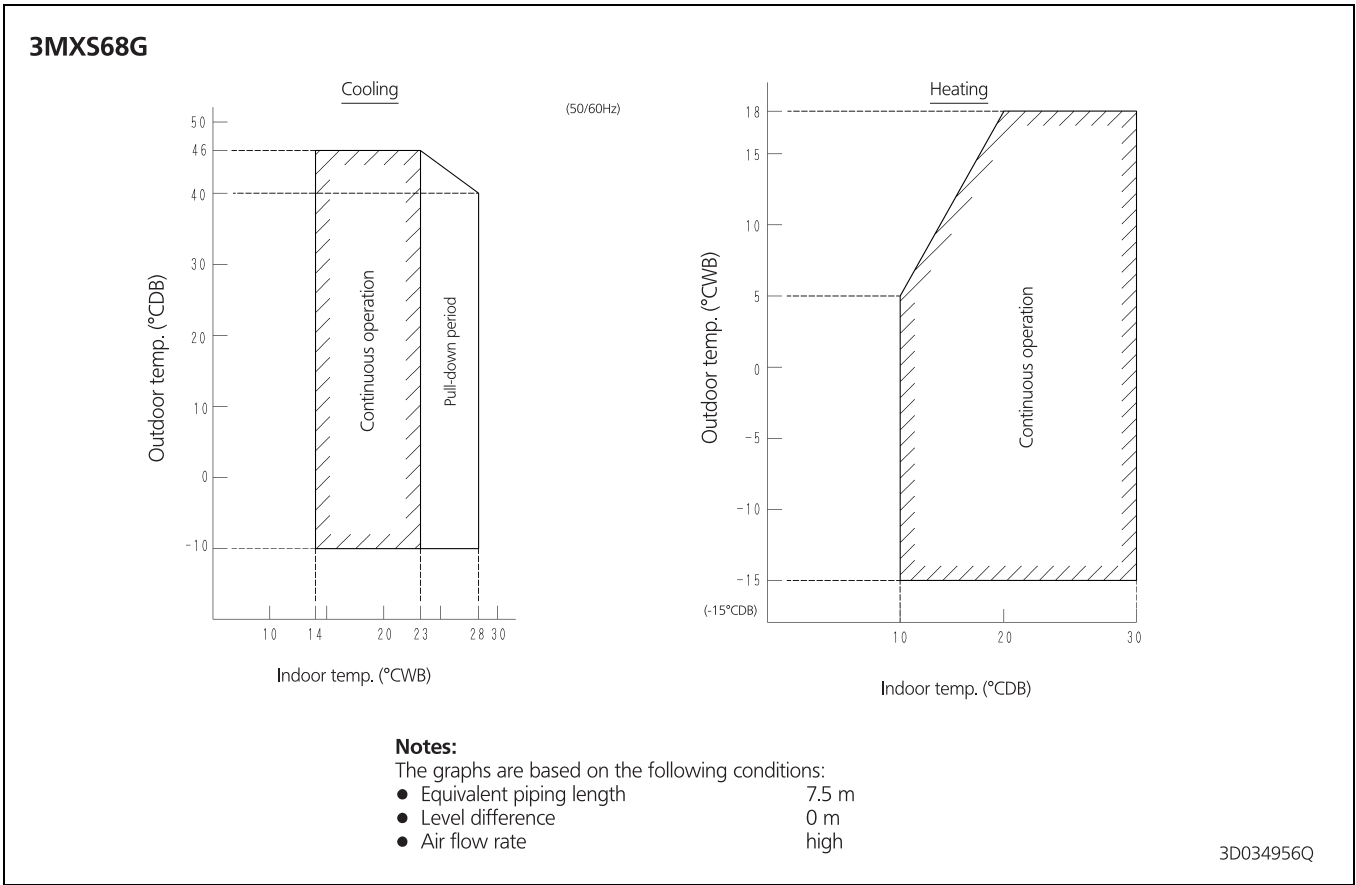
11 - 2 Sound Pressure Spectrum - Heating



12 Operation range

12 - 1 Operation Range

12





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