

Multi model
application
Air Conditioning
Technical Data
5MXM-A



TABLE OF CONTENTS

5MXM-A

1	Features	4
	5MXM-A	4
2	Specifications	5
3	Electrical data	7
4	Combination table	8
5	Capacity tables	17
	Capacity Table Legend	17
	Heating Capacity Tables	18
6	Dimensional drawings	21
7	Centre of gravity	22
8	Piping diagrams	23
9	Wiring diagrams	24
	Wiring Diagrams - Single Phase	24
10	Sound data	25
	Sound Pressure Spectrum	25
11	Operation range	26

1 Features

1 - 1 5MXM-A

- › New design outlook for outdoor unit
- › Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- › Up to 5 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. They operate simultaneously within the same heating or cooling mode.
- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- › Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- › Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency

1



Inverter

2 Specifications

2 - 1 5MXM-A

Technical specifications					5MXM90A		
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				68		
	Packed unit				73		
Heat exchanger	Length		mm		920		
	Rows	Quantity			2		
		Fin pitch		mm		1.40	
	Stages	Quantity			32		
		Passes	Quantity			6.00	
	Tube type				Hi-XA		
	Tube diameter				mm	7.0	
	Fin	Type		WHS8 FIN-HYDROPHILIC			
		Treatment		Anti-corrosion treatment			
	Heat exchanger 2	Quantity					1
Length		mm			650		
Rows		Quantity					1
		Fin pitch		mm			2
Stages		Quantity					12
	Type				Propeller fan		
Discharge direction		Horizontal					
Fan	Quantity					1	
	Air flow rate	Cooling	High	m ³ /min	49.1		
				cfm	1,734		
			Medium	m ³ /min	49.1		
		cfm		1,734			
		Low	m ³ /min	24.1			
			cfm	851			
	Heating		High	m ³ /min	50.4		
		cfm		1,780			
		Medium	m ³ /min	50.4			
cfm	1,780						
Fan	Air flow rate	Heating	Low	m ³ /min	24.1		
				cfm	851		
Fan motor	Quantity					1	
	Model					D90B-37	
	Output		W	128			
	Speed	Cooling	High	rpm	800		
				rpm	800		
			Low	rpm	420		
		Heating		High	rpm	820	
			rpm		420		
			Medium	rpm	820		
	Compressor	Quantity					1
Model					2YC71DXD#C		
Oil Amount		cm ³	900				
Type		Hermetically sealed swing compressor					
Output		W	2,400				
Oil Type		FW68DA					
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CDB	-15		
			Max.	°CDB	24		
Sound power level	Heating	Nom.		dBA	64		
		Cooling	Nom.		dBA	52	
Sound pressure level	Heating		Nom.		dBA	52	
		Refrigerant	Type		R-32		
Charge			kg	2.40			
Charge			TCO ₂ Eq	1.62			
Control			Expansion valve				
GWP			675				

2 Specifications

2 - 1 5MXM-A

2

Technical specifications				5MXM90A	
Piping connections	Liquid	Quantity		5	
		OD	mm	6.35	
	Gas	Quantity		2	
		OD	mm	9.5	
	Drain	Quantity		1	
		OD	mm	16 (inner diameter of connecting hose)	
Gas 2	Quantity		1		
	OD	mm	12.7		
Piping connections	Gas 3	Quantity		2	
		OD	mm	15.9	
	Piping length	OU - IU	Min.	m	3 (1)
			Max.	m	25 (1)
		System	Chargeless	m	30
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)
	Level difference	IU - OU	Max.	m	15
		IU - IU		m	7.5
	Heat insulation				Both liquid and gas pipes
	Total piping length	System	Actual	m	75
Capacity control	Method			Variable (inverter)	

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Screw bag; Quantity: 1;

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Reducer assembly; Quantity: 1;

Standard accessories: Drain cap (1); Quantity: 6;

Standard accessories: Drain cap (2); Quantity: 3;

Electrical specifications				5MXM90A
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 |

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

See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

2MXM68-A

3MXM-A

4MXM-A

5MXM-A

Outdoor unit	Power supply			·RA· indoor units (·10·% safety factor)		Other indoor units (·10·% safety factor)		Compressor		Outdoor fan motor	
	Model name	Hz	Voltage	Voltage range	MCA	MFA	MCA	MFA	RHz	RLA	kW
2MXM68N2V1B 2MXM68A2V1B	50	220	Maximum ·50·Hz ·264·V	16,94	20	19,80	20	-	7,8	0,056	0,37
	50	230							7,5		
	50	240	Minimum ·50·Hz ·198·V						8,7		
3MXM40N2V1B9	50	220	Maximum ·50·Hz ·264·V	14,31	16	15,97	16	-	2,9	0,056	0,37
	50	230							3,0		
	50	240	Minimum ·50·Hz ·198·V						3,1		
3MXM52N2V1B9	50	220	Maximum ·50·Hz ·264·V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240	Minimum ·50·Hz ·198·V						4,9		
3MXM68N2V1B9 3MXM68A2V1B	50	220	Maximum ·50·Hz ·264·V	17,19	20	19,81	20	-	8,0	0,056	0,37
	50	230							8,4		
	50	240	Minimum ·50·Hz ·198·V						8,7		
4MXM68N2V1B9 4MXM68A2V1B	50	220	Maximum ·50·Hz ·264·V	17,36	20	19,81	20	-	7,0	0,056	0,37
	50	230							7,3		
	50	240	Minimum ·50·Hz ·198·V						7,6		
4MXM80N2V1B9 4MXM80A2V1B	50	220	Maximum ·50·Hz ·264·V	17,04	25	20,36	25	-	8,5	0,075	0,50
	50	230							8,9		
	50	240	Minimum ·50·Hz ·198·V						9,3		
5MXM90N2V1B9 5MXM90A2V1B	50	220	Maximum ·50·Hz ·264·V	21,70	32	25,88	32	-	9,2	0,075	0,50
	50	230							9,6		
	50	240	Minimum ·50·Hz ·198·V						10,0		
3AMXM52N2V1B9	50	220	Maximum ·50·Hz ·264·V	18,19	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240	Minimum ·50·Hz ·198·V						4,9		
3MXF52A2V1B9	50	220	Maximum ·50·Hz ·264·V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240	Minimum ·50·Hz ·198·V						4,9		
3AMXF52A2V1B9	50	220	Maximum ·50·Hz ·264·V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240	Minimum ·50·Hz ·198·V						4,9		
3MXF68A2V1B9	50	220	Maximum ·50·Hz ·264·V	17,19	20	19,81	20	-	8,0	0,056	0,37
	50	230							8,4		
	50	240	Minimum ·50·Hz ·198·V						8,7		
3MXM40N2V1B8 3MXM40A2V1B	50	220	Maximum ·50·Hz ·264·V	14,31	16	15,97	16	-	2,9	0,056	0,37
	50	230							3,0		
	50	240	Minimum ·50·Hz ·198·V						3,1		
3MXM52N2V1B8 3MXM52A2V1B	50	220	Maximum ·50·Hz ·264·V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240	Minimum ·50·Hz ·198·V						4,9		

Symbols

- MCA: Minimum Circuit Ampere [A]
- MFA: Maximum Fuse Ampere [A]
- RLA: Rated load amps [A]
- OFM: Outdoor fan motor
- MSC: Maximum starting current
- FLA: Full Load Ampere [A]
- kW: Fan motor rated output [kW]

Notes

- 1) The ·RLA· is based on the following conditions.
Outdoor temperature ·35·°C DB
Indoor temperature ·27·°C DB / ·19·°C WB
- 2) Select the wire size according to the MCA.
- 3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
- 4) Use a circuit breaker instead of a fuse.
- 5) Only for wall-mounted ·FVXM· units

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4 Combination table

4-1 Combination Table

5MXM-A

Cooling 230V 50Hz

Outdoor unit	Indoor unit	Cooling capacity [kW]					Total capacity [kW]			Power input [kW]			Total current [A]			Power factor [%]																																																																																																																																							
		Room-A	Room-B	Room-C	Room-D	Room-E	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum																																																																																																																																								
																	1.5	1.80	2.00	2.20	2.31	2.48	2.63	2.77	2.85	3.01	3.14	3.25	3.32	3.39	3.45	3.50	3.55	3.60	3.65	3.70	3.75	3.80	3.85	3.90	3.95	4.00	4.05	4.10	4.15	4.20	4.25	4.30	4.35	4.40	4.45	4.50	4.55	4.60	4.65	4.70	4.75	4.80	4.85	4.90	4.95	5.00	5.05	5.10	5.15	5.20	5.25	5.30	5.35	5.40	5.45	5.50	5.55	5.60	5.65	5.70	5.75	5.80	5.85	5.90	5.95	6.00	6.05	6.10	6.15	6.20	6.25	6.30	6.35	6.40	6.45	6.50	6.55	6.60	6.65	6.70	6.75	6.80	6.85	6.90	6.95	7.00	7.05	7.10	7.15	7.20	7.25	7.30	7.35	7.40	7.45	7.50	7.55	7.60	7.65	7.70	7.75	7.80	7.85	7.90	7.95	8.00	8.05	8.10	8.15	8.20	8.25	8.30	8.35	8.40	8.45	8.50	8.55	8.60	8.65	8.70	8.75	8.80	8.85	8.90	8.95	9.00	9.05	9.10	9.15	9.20	9.25	9.30	9.35	9.40	9.45
	1.5	1.80	-	-	-	-	1.78	1.80	2.00	2.20	2.31	2.48	2.63	2.77	2.85	3.01	3.14	3.25	3.32	3.39	3.45	3.50	3.55	3.60	3.65	3.70	3.75	3.80	3.85	3.90	3.95	4.00	4.05	4.10	4.15	4.20	4.25	4.30	4.35	4.40	4.45	4.50	4.55	4.60	4.65	4.70	4.75	4.80	4.85	4.90	4.95	5.00	5.05	5.10	5.15	5.20	5.25	5.30	5.35	5.40	5.45	5.50	5.55	5.60	5.65	5.70	5.75	5.80	5.85	5.90	5.95	6.00	6.05	6.10	6.15	6.20	6.25	6.30	6.35	6.40	6.45	6.50	6.55	6.60	6.65	6.70	6.75	6.80	6.85	6.90	6.95	7.00	7.05	7.10	7.15	7.20	7.25	7.30	7.35	7.40	7.45	7.50	7.55	7.60	7.65	7.70	7.75	7.80	7.85	7.90	7.95	8.00	8.05	8.10	8.15	8.20	8.25	8.30	8.35	8.40	8.45	8.50	8.55	8.60	8.65	8.70	8.75	8.80	8.85	8.90	8.95	9.00	9.05	9.10	9.15	9.20	9.25	9.30	9.35	9.40	9.45	9.50	9.55	9.60	9.65	9.70	9.75	9.80	9.85	9.90	9.95
	2.0	2.00	-	-	-	-	1.86	2.00	3.11	0.44	0.37	0.61	2.00	1.70	2.80	95																																																																																																																																							

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4 Combination table

4 - 1 Combination Table

5MXM-A

Heating · 230V 50Hz·

Outdoor unit	Indoor unit	Heating capacity [kW]					Total capacity [kW]			Power input [kW]			Total current [A]			Power factor [%]
		Room ·A·	Room ·B·	Room ·C·	Room ·D·	Room ·E·	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
5MXM90M2V1B 5MXM90N2V1B 5MXM90N2V1B9 5MXM90A2V1B	2.0+2.0+3.5+3.5+4.2	1,32	1,32	2,30	2,30	2,76	5,00	10,00	11,67	0,79	2,03	2,52	3,70	9,40	11,52	95
	2.0+2.5+2.5+2.5+2.5	1,67	2,08	2,08	2,08	2,08	4,20	10,00	11,66	0,65	2,04	2,52	3,00	9,40	11,60	95
	2.0+2.5+2.5+2.5+3.5	1,54	1,92	1,92	1,92	2,69	4,36	10,00	11,66	0,67	2,04	2,52	3,20	9,40	11,60	95
	2.0+2.5+2.5+2.5+4.2	1,46	1,82	1,82	1,82	3,07	4,68	10,00	11,67	0,73	2,03	2,52	3,40	9,30	11,51	95
	2.0+2.5+2.5+2.5+5.0	1,38	1,72	1,72	1,72	3,45	4,82	10,00	11,71	0,75	2,02	2,53	3,50	9,30	11,60	95
	2.0+2.5+2.5+2.5+6.0	1,29	1,61	1,61	1,61	3,87	5,14	10,00	11,97	0,81	2,02	2,62	3,80	9,30	12,10	95
	2.0+2.5+2.5+3.5+3.5	1,43	1,79	1,79	2,50	2,50	4,68	10,00	11,66	0,73	2,04	2,52	3,40	9,40	11,60	95
	2.0+2.5+2.5+3.5+4.2	1,36	1,70	1,70	2,38	2,86	5,00	10,00	11,67	0,79	2,03	2,52	3,70	9,30	11,51	95
	2.0+2.5+2.5+3.5+5.0	1,29	1,61	1,61	2,26	3,23	5,14	10,00	11,71	0,81	2,02	2,53	3,80	9,30	11,60	95
	2.0+2.5+2.5+4.2+4.2	1,30	1,62	1,62	2,73	2,73	5,15	10,00	11,62	0,81	2,03	2,50	3,80	9,30	11,50	95
	2.0+2.5+3.5+3.5+3.5	1,33	1,67	2,33	2,33	2,33	5,00	10,00	11,66	0,79	2,04	2,52	3,70	9,40	11,60	95
	2.5+2.5+2.5+2.5+2.5	2,00	2,00	2,00	2,00	2,00	4,36	10,00	11,65	0,67	2,04	2,52	3,20	9,40	11,60	95
	2.5+2.5+2.5+2.5+3.5	1,85	1,85	1,85	1,85	2,59	4,52	10,00	11,65	0,70	2,04	2,52	3,30	9,40	11,60	95
	2.5+2.5+2.5+2.5+4.2	1,76	1,76	1,76	1,76	2,96	4,83	10,00	11,66	0,76	2,03	2,51	3,50	9,30	11,49	95
	2.5+2.5+2.5+2.5+5.0	1,67	1,67	1,67	1,67	3,33	4,98	10,00	11,70	0,78	2,02	2,53	3,70	9,30	11,60	95
	2.5+2.5+3.5+3.5+3.5	1,72	1,72	1,72	2,41	2,41	4,84	10,00	11,65	0,76	2,04	2,52	3,50	9,40	11,60	95
	2.5+2.5+2.5+3.5+4.2	1,64	1,64	1,64	2,30	2,76	4,99	10,00	11,67	0,79	2,03	2,51	3,70	9,30	11,50	95
	2.5+2.5+3.5+3.5+3.5	1,61	1,61	2,26	2,26	2,26	5,16	10,00	11,69	0,82	2,04	2,53	3,80	9,40	11,57	95

Notes

- The total capacity of each connected indoor unit is up to ·15.6·kW.
- The values mentioned in this document are for connecting with the following indoor unit types:
·1.5, 2.0, 2.5, 3.5, 4.2, 5.0, 6.0, 7.1· kW class
Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
- Heating capacity conditions
Indoor temperature ·20·°C DB
Outdoor temperature ·7·°C DB / ·6·°C WB
- For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

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5 Capacity tables

5 - 1 Capacity Table Legend

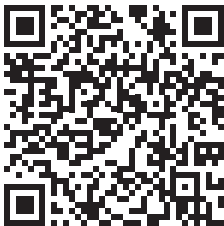
In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

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:** lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here:
https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html



- An overview of **all software tools** that we offer can be found here:
https://my.daikin.eu/denv/en_US/home/applications/software-finder.html



5 Capacity tables

5 - 2 Heating Capacity Tables

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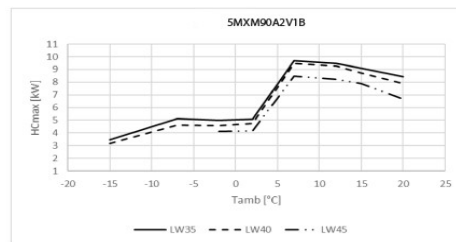
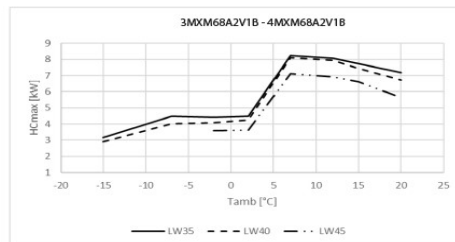
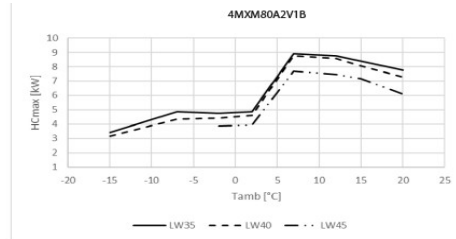
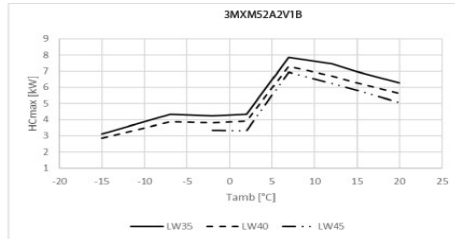
3MXM52-68A

Only for ·CHYHBH05AAV32·

4MXM-A

5MXM-A

Maximum heating capacity - integrated value													
	LWT [°C]	25		30		35		40		45		50	
	Tamb [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
3MXM52A2V1B	-15	3,69	1,80	3,22	1,75	3,11	1,79	2,84	1,69				
	-7	5,28	1,60	4,81	1,71	4,35	1,86	3,86	2,07				
	-2	4,88	1,42	4,51	1,49	4,25	1,62	3,82	1,73	3,35	1,94		
	2	4,79	1,28	4,48	1,35	4,33	1,49	3,89	1,56	3,31	1,57		
	7	8,73	2,20	8,25	2,23	7,85	2,28	7,30	2,29	6,94	2,48	6,48	2,43
	12	8,29	1,71	7,84	1,73	7,45	1,81	6,72	1,78	6,24	1,94	5,71	1,80
	15	7,94	1,20	7,51	1,50	6,98	1,28	6,28	1,56	5,83	1,66	5,06	1,53
20	7,25	1,06	6,85	1,08	6,28	1,15	5,62	1,21	5,06	1,33	3,96	1,10	
3MXM68A2V1B	-15	3,94	1,88	3,33	1,78	3,17	1,79	2,91	1,70				
	-7	5,46	1,63	4,98	1,73	4,50	1,88	4,01	2,11				
	-2	5,05	1,44	4,71	1,53	4,40	1,65	4,09	1,81	3,59	2,04		
	2	4,96	1,30	4,72	1,39	4,48	1,51	4,25	1,67	3,64	1,69		
	7	9,61	2,37	9,01	2,39	8,25	2,35	8,10	2,49	7,12	2,50	6,58	2,41
	12	9,51	1,92	8,92	1,93	8,09	1,93	7,94	2,06	6,91	2,10	6,31	1,96
	15	9,23	1,37	8,65	1,70	7,76	1,39	7,45	1,81	6,62	1,85	5,85	1,74
20	8,75	1,26	8,20	1,27	7,18	1,29	6,72	1,42	5,63	1,45	5,06	1,38	
4MXM68A2V1B	-15	3,94	1,88	3,33	1,78	3,17	1,79	2,91	1,70				
	-7	5,46	1,63	4,98	1,73	4,50	1,88	4,01	2,11				
	-2	5,05	1,44	4,71	1,53	4,40	1,65	4,09	1,81	3,59	2,04		
	2	4,96	1,30	4,72	1,39	4,48	1,51	4,25	1,67	3,64	1,69		
	7	9,61	2,37	9,01	2,39	8,25	2,35	8,10	2,49	7,12	2,50	6,58	2,41
	12	9,51	1,92	8,92	1,93	8,09	1,93	7,94	2,06	6,91	2,10	6,31	1,96
	15	9,23	1,37	8,65	1,70	7,76	1,39	7,45	1,81	6,62	1,85	5,85	1,74
20	8,75	1,26	8,20	1,27	7,18	1,29	6,72	1,42	5,63	1,45	5,06	1,38	
4MXM80A2V1B	-15	4,25	1,94	3,60	1,83	3,43	1,84	3,14	1,75				
	-7	5,91	1,67	5,38	1,78	4,86	1,94	4,34	2,17				
	-2	5,46	1,48	5,10	1,57	4,76	1,70	4,42	1,87	3,88	2,10		
	2	5,36	1,34	5,10	1,43	4,85	1,55	4,59	1,72	3,93	1,74		
	7	10,39	2,44	9,74	2,46	8,92	2,42	8,76	2,56	7,70	2,57	7,11	2,49
	12	10,29	1,98	9,64	1,99	8,74	1,99	8,58	2,12	7,47	2,16	6,83	2,01
	15	9,97	1,41	9,35	1,75	8,38	1,43	8,06	1,87	7,16	1,90	6,33	1,79
20	9,46	1,30	8,87	1,30	7,76	1,33	7,27	1,46	6,08	1,49	5,48	1,42	
5MXM90A2V1B	-15	4,25	1,94	3,60	1,96	3,43	1,84	3,14	1,75				
	-7	6,21	1,76	5,67	1,88	5,14	2,05	4,61	2,31				
	-2	6,04	1,69	5,50	1,74	4,99	1,79	4,59	1,89	4,11	2,34		
	2	6,14	1,63	5,61	1,64	5,08	1,65	4,73	1,68	4,15	2,06		
	7	11,12	2,72	10,48	2,74	9,68	2,76	9,48	2,79	8,46	2,83	7,87	2,86
	12	11,01	2,20	10,37	2,22	9,48	2,27	9,29	2,32	8,21	2,38	7,56	2,31
	15	10,68	1,57	10,06	1,95	9,10	1,63	8,72	2,04	7,87	2,10	7,01	2,06
20	10,12	1,44	9,54	1,45	8,42	1,52	7,87	1,59	6,69	1,64	6,06	1,63	



Symbols

HC Heating capacity at maximum operating frequency, measured according to EN 14511
 PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

LWT Leaving water condenser temperature [°C]
 Tamb Ambient temperature

Conditions

Heating capacity
 Capacity according to standard EN 14511 and valid for heated water range $\Delta T = 3^{\circ}C - 8^{\circ}C$.

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are at maximum operation.

3D109292A

5 Capacity tables

5 - 2 Heating Capacity Tables

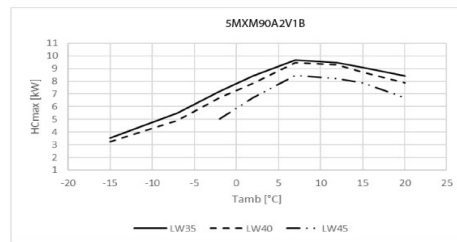
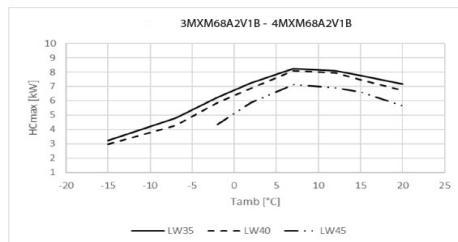
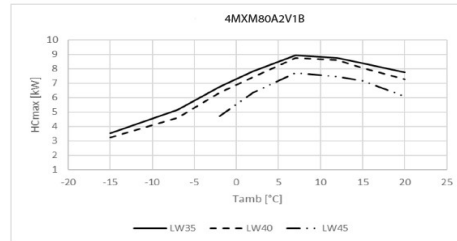
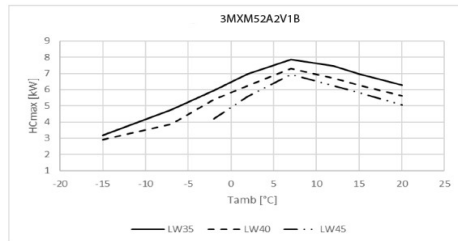
3MXM52-68A

Only for -CHYHBH05AAV32-

4MXM-A

5MXM-A

Maximum heating capacity - peak values													
	LWT [°C]	25		30		35		40		45		50	
	T _{amb} [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
3MXM52A2V1B	-15	3,78	1,82	3,29	1,91	3,18	1,77	2,90	1,71				
	-7	6,55	2,06	5,66	1,99	4,76	1,98	3,86	2,01				
	-2	6,89	1,99	6,38	2,03	5,94	2,02	5,38	2,04	4,21	1,98		
	2	7,69	2,01	7,20	2,06	6,96	2,13	6,25	2,12	5,58	2,36		
	7	8,73	2,20	8,25	2,23	7,85	2,28	7,30	2,29	6,94	2,48	6,48	2,43
	12	8,29	1,71	7,84	1,73	7,45	1,81	6,72	1,78	6,24	1,94	5,71	1,80
	15	7,94	1,20	7,51	1,50	6,98	1,28	6,28	1,56	5,83	1,66	5,06	1,53
20	7,25	1,06	6,85	1,08	6,28	1,15	5,62	1,21	5,06	1,33	3,96	1,10	
3MXM68A2V1B	-15	4,03	1,90	3,41	1,79	3,25	1,77	2,98	1,72				
	-7	6,82	2,00	5,89	2,03	4,78	1,95	4,26	2,18				
	-2	7,64	2,16	6,92	2,16	6,24	2,08	5,87	2,18	4,35	2,01		
	2	8,68	2,23	7,96	2,23	7,23	2,17	6,85	2,28	5,87	2,43		
	7	9,61	2,37	9,01	2,39	8,25	2,35	8,10	2,49	7,12	2,50	6,58	2,41
	12	9,51	1,92	8,92	1,93	8,09	1,93	7,94	2,06	6,91	2,10	6,31	1,96
	15	9,23	1,37	8,65	1,70	7,76	1,39	7,45	1,81	6,62	1,85	5,85	1,74
20	8,75	1,26	8,20	1,27	7,18	1,29	6,72	1,42	5,63	1,45	5,06	1,38	
4MXM68A2V1B	-15	4,03	1,90	3,41	1,79	3,25	1,77	2,98	1,72				
	-7	6,82	2,00	5,89	2,03	4,78	1,95	4,26	2,18				
	-2	7,64	2,16	6,92	2,16	6,24	2,08	5,87	2,18	4,35	2,01		
	2	8,68	2,23	7,96	2,23	7,23	2,17	6,85	2,28	5,87	2,43		
	7	9,61	2,37	9,01	2,39	8,25	2,35	8,10	2,49	7,12	2,50	6,58	2,41
	12	9,51	1,92	8,92	1,93	8,09	1,93	7,94	2,06	6,91	2,10	6,31	1,96
	15	9,23	1,37	8,65	1,70	7,76	1,39	7,45	1,81	6,62	1,85	5,85	1,74
20	8,75	1,26	8,20	1,27	7,18	1,29	6,72	1,42	5,63	1,45	5,06	1,38	
4MXM80A2V1B	-15	4,36	1,96	3,68	1,99	3,51	1,82	3,22	1,77				
	-7	7,37	2,17	6,37	2,09	5,17	2,01	4,61	2,24				
	-2	8,26	2,22	7,48	2,22	6,74	2,14	6,35	2,24	4,70	2,07		
	2	9,38	2,29	8,61	2,30	7,82	2,24	7,41	2,35	6,34	2,51		
	7	10,39	2,44	9,74	2,46	8,92	2,42	8,76	2,56	7,70	2,57	7,11	2,49
	12	10,29	1,98	9,64	1,99	8,74	1,99	8,58	2,12	7,47	2,16	6,83	2,01
	15	9,97	1,41	9,35	1,75	8,38	1,43	8,06	1,87	7,16	1,90	6,33	1,79
20	9,46	1,30	8,87	1,30	7,76	1,33	7,27	1,46	6,08	1,49	5,48	1,42	
5MXM90A2V1B	-15	4,36	1,96	3,68	1,99	3,51	1,86	3,22	1,77				
	-7	7,37	2,17	6,48	2,18	5,49	2,14	4,90	2,38				
	-2	8,74	2,36	7,93	2,38	7,20	2,32	6,70	2,37	5,02	2,20		
	2	10,09	2,48	9,23	2,49	8,41	2,45	7,84	2,49	6,69	2,66		
	7	11,12	2,72	10,48	2,74	9,68	2,76	9,48	2,79	8,46	2,83	7,87	2,86
	12	11,01	2,20	10,37	2,22	9,48	2,27	9,29	2,32	8,21	2,38	7,56	2,31
	15	10,68	1,57	10,06	1,95	9,10	1,63	8,72	2,04	7,87	2,10	7,01	2,06
20	10,12	1,44	9,54	1,45	8,42	1,52	7,87	1,59	6,69	1,64	6,06	1,63	



Symbols

HC Heating capacity at maximum operating frequency, measured according to EN 14511
 PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

LWT Leaving water condenser temperature [°C]
 Tamb Ambient temperature

Conditions

Heating capacity
 Capacity according to standard EN 14511 and valid for heated water range $\Delta T = 3\sim 8^{\circ}C$.

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are at maximum operation.

3D109292A

5 Capacity tables

5 - 2 Heating Capacity Tables

5

4MXM80A

5MXM-A

Only for ·CHYHBH08AAV32·

		Maximum heating capacity - integrated value											
		25		30		35		39		45		50	
LWT [°C]	Tamb [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
4MXM80A2V1B	-15	5,60	2,55	4,73	2,41	4,51	2,42	4,13	2,30				
	-7	7,77	2,20	7,08	2,35	6,40	2,55	5,71	2,86				
	-2	7,19	1,95	6,71	2,07	6,26	2,23	5,81	2,45	5,11	2,76		
	2	7,05	1,76	6,72	1,88	6,38	2,05	6,04	2,26	5,17	2,29		
	7	13,67	3,22	12,82	3,24	11,74	3,19	11,52	3,37	10,13	3,39	9,36	3,27
	12	13,53	2,61	12,69	2,62	11,50	2,61	11,29	2,80	9,83	2,84	8,98	2,65
	15	13,12	1,85	12,31	2,30	11,03	1,88	10,60	2,46	9,42	2,51	8,33	2,35
20	12,44	1,70	11,66	1,71	10,21	1,75	9,56	1,92	8,00	1,96	7,20	1,86	
5MXM90A2V1B	-15	5,60	2,55	4,73	2,58	4,51	2,42	4,13	2,30				
	-7	8,17	2,32	7,47	2,48	6,77	2,70	6,07	3,04				
	-2	7,95	2,23	7,24	2,29	6,57	2,36	6,04	2,48	5,41	3,09		
	2	8,08	2,15	7,38	2,16	6,68	2,17	6,23	2,21	5,46	2,71		
	7	14,63	3,58	13,79	3,61	12,73	3,64	12,47	3,67	11,14	3,73	10,36	3,76
	12	14,49	2,90	13,65	2,92	12,48	2,98	12,22	3,05	10,80	3,13	9,94	3,05
	15	14,05	2,06	13,24	2,56	11,97	2,15	11,47	2,68	10,36	2,76	9,22	2,71
20	13,32	1,90	12,55	1,91	11,08	2,00	10,35	2,09	8,80	2,16	7,98	2,14	

Symbols

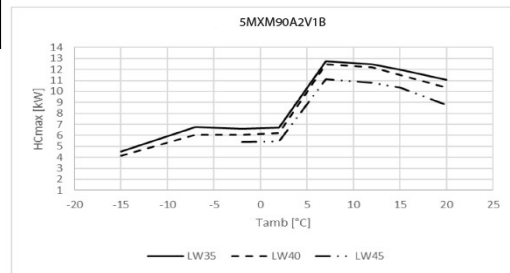
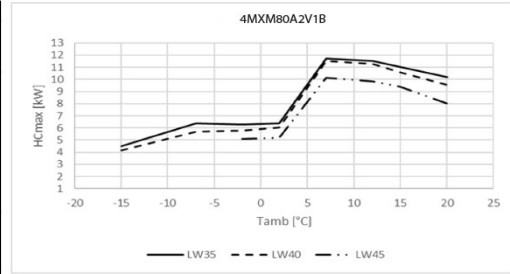
- HC Heating capacity at maximum operating frequency, measured according to EN 14511
- PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
- LWT Leaving water condenser temperature [°C]
- Tamb Ambient temperature

Conditions

- Heating capacity
Capacity according to standard EN 14511 and valid for heated water range $\Delta T = 3^{\circ}\text{--}8^{\circ}\text{C}$.
- Power input
Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are at maximum operation.



3D109292A

4MXM80A

5MXM-A

Only for ·CHYHBH08AAV32·

		Maximum heating capacity - peak values											
		25		30		35		39		45		50	
LWT [°C]	Tamb [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
4MXM80A2V1B	-15	5,73	2,58	4,85	2,62	4,62	2,40	4,23	2,33				
	-7	9,70	2,85	8,38	2,75	6,80	2,64	6,07	2,95				
	-2	10,87	2,93	9,84	2,93	8,87	2,82	8,35	2,95	6,19	2,72		
	2	12,35	3,01	11,33	3,02	10,29	2,94	9,74	3,09	8,34	3,30		
	7	13,67	3,22	12,82	3,24	11,74	3,19	11,52	3,37	10,13	3,39	9,36	3,27
	12	13,53	2,61	12,69	2,62	11,50	2,61	11,29	2,80	9,83	2,84	8,98	2,65
	15	13,12	1,85	12,31	2,30	11,03	1,88	10,60	2,46	9,42	2,51	8,33	2,35
20	12,44	1,70	11,66	1,71	10,21	1,75	9,56	1,92	8,00	1,96	7,20	1,86	
5MXM90A2V1B	-15	5,73	2,58	4,85	2,62	4,62	2,45	4,23	2,33				
	-7	9,70	2,85	8,53	2,87	7,22	2,81	6,45	3,14				
	-2	11,50	3,11	10,43	3,13	9,47	3,05	8,82	3,11	6,60	2,90		
	2	13,28	3,27	12,15	3,28	11,06	3,22	10,32	3,28	8,81	3,50		
	7	14,63	3,58	13,79	3,61	12,73	3,64	12,47	3,67	11,14	3,73	10,36	3,76
	12	14,49	2,90	13,65	2,92	12,48	2,98	12,22	3,05	10,80	3,13	9,94	3,05
	15	14,05	2,06	13,24	2,56	11,97	2,15	11,47	2,68	10,36	2,76	9,22	2,71
20	13,32	1,90	12,55	1,91	11,08	2,00	10,35	2,09	8,80	2,16	7,98	2,14	

Symbols

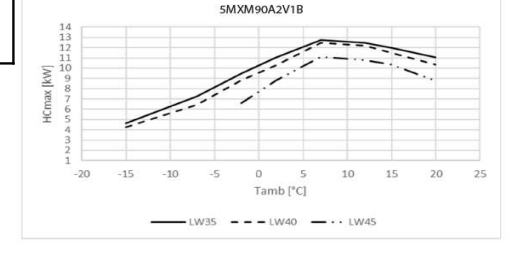
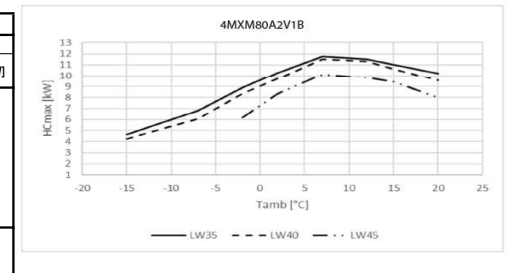
- HC Heating capacity at maximum operating frequency, measured according to EN 14511
- PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
- LWT Leaving water condenser temperature [°C]
- Tamb Ambient temperature

Conditions

- Heating capacity
Capacity according to standard EN 14511 and valid for heated water range $\Delta T = 3^{\circ}\text{--}8^{\circ}\text{C}$.
- Power input
Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are at maximum operation.

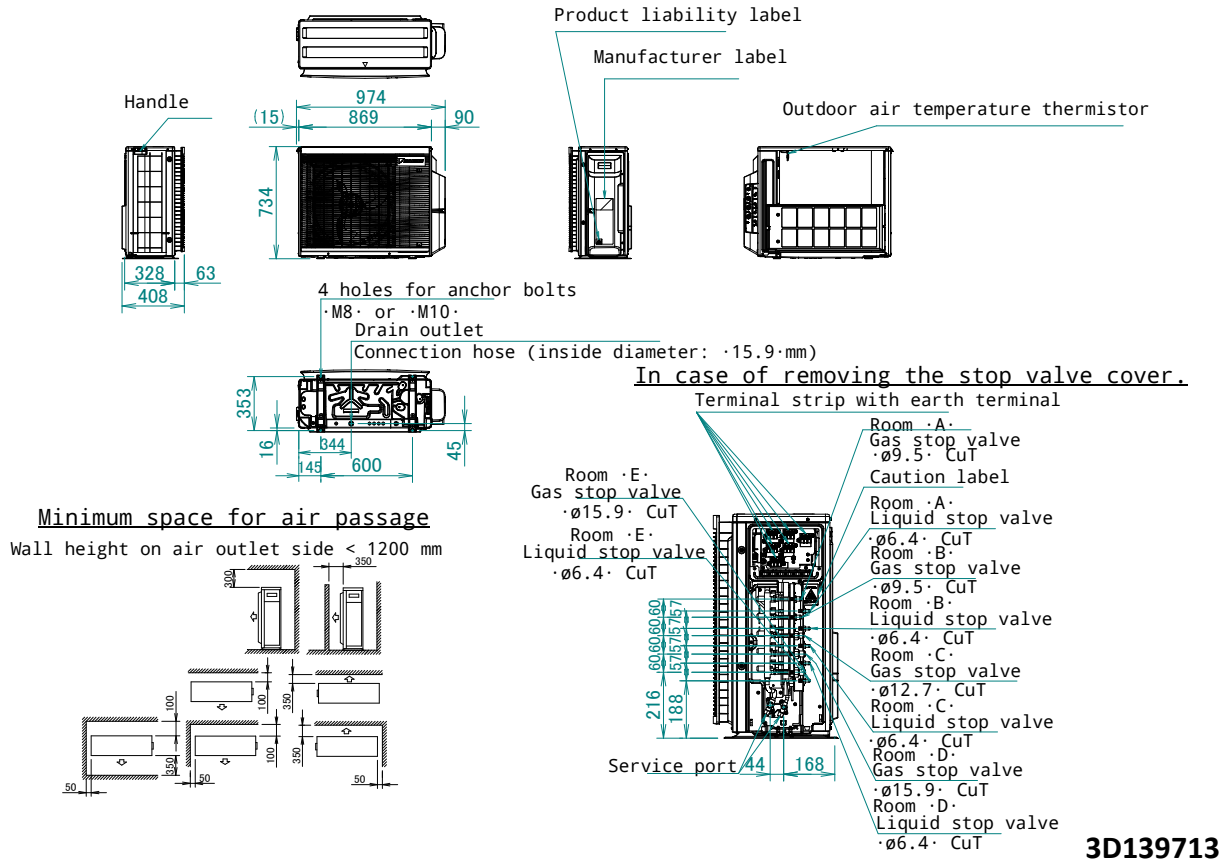


3D109292A

6 Dimensional drawings

6 - 1 Dimensional Drawings

5MXM-A

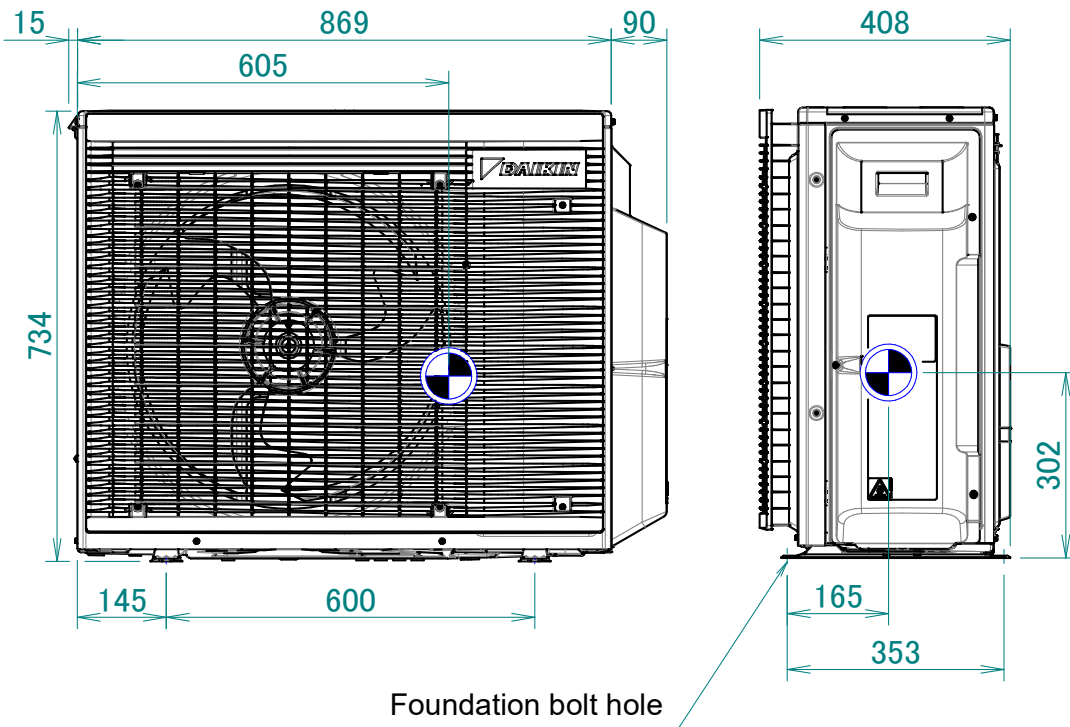


7 Centre of gravity

7 - 1 Centre of Gravity

7

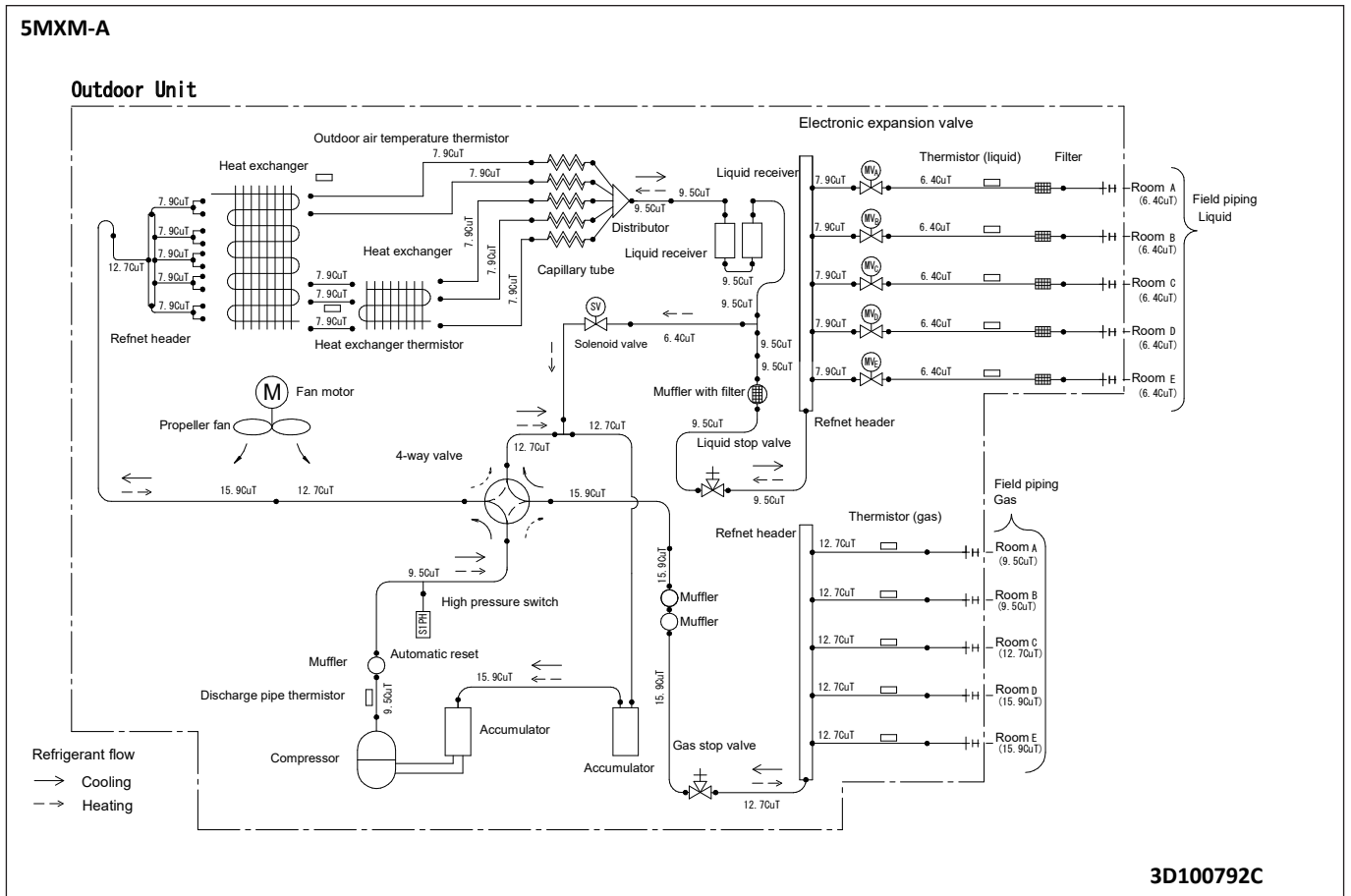
5MXM-A



4D139751

8 Piping diagrams

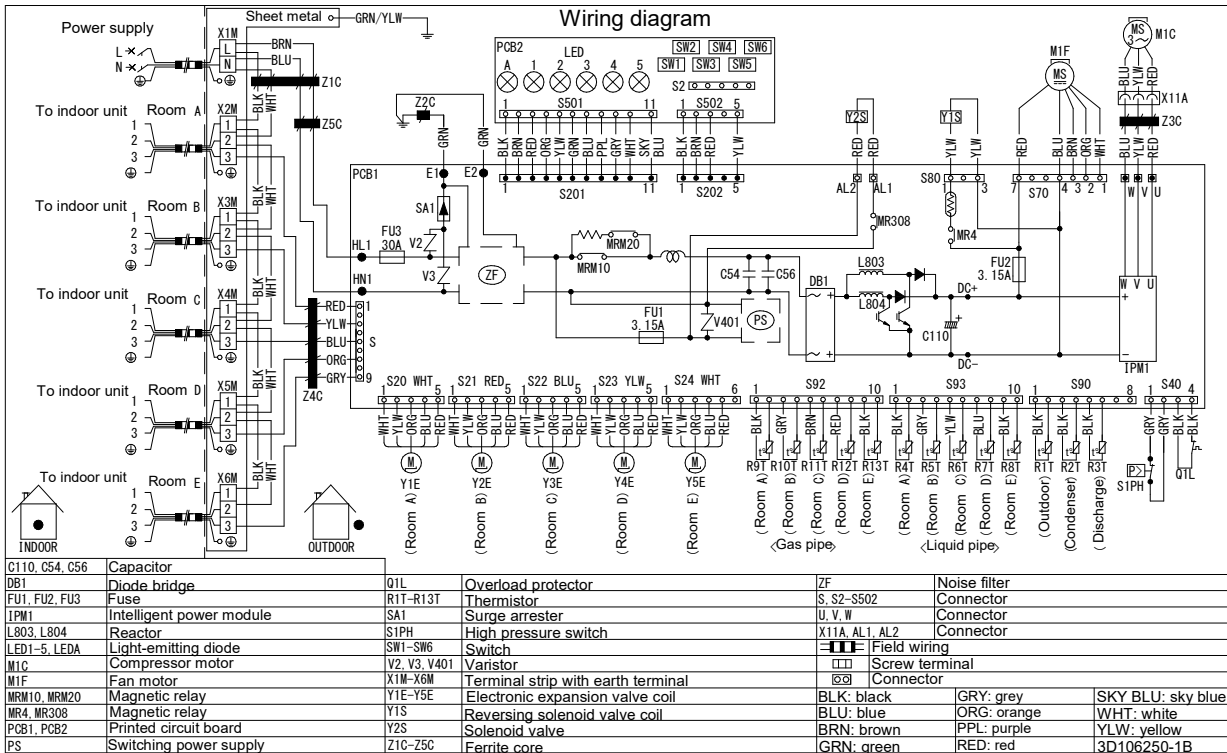
8 - 1 Piping Diagrams



9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

5MXM-A

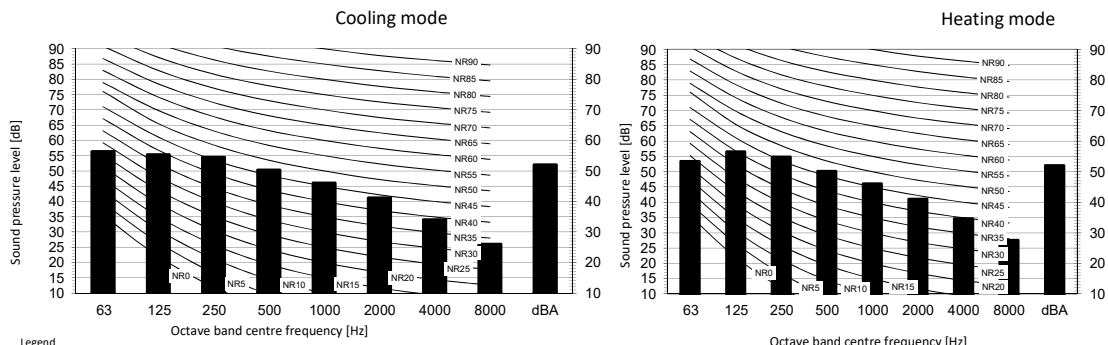


3D106250B

10 Sound data

10 - 1 Sound Pressure Spectrum

5MXM-A

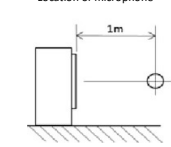


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Cooling Total dB Heating Total dB

B	Fan speed: High	A	B	A	B
		dBA	52	dBA	52



- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic chamber
 - The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5, 4.2, 5.0, 6.0, 7.1 kW Class

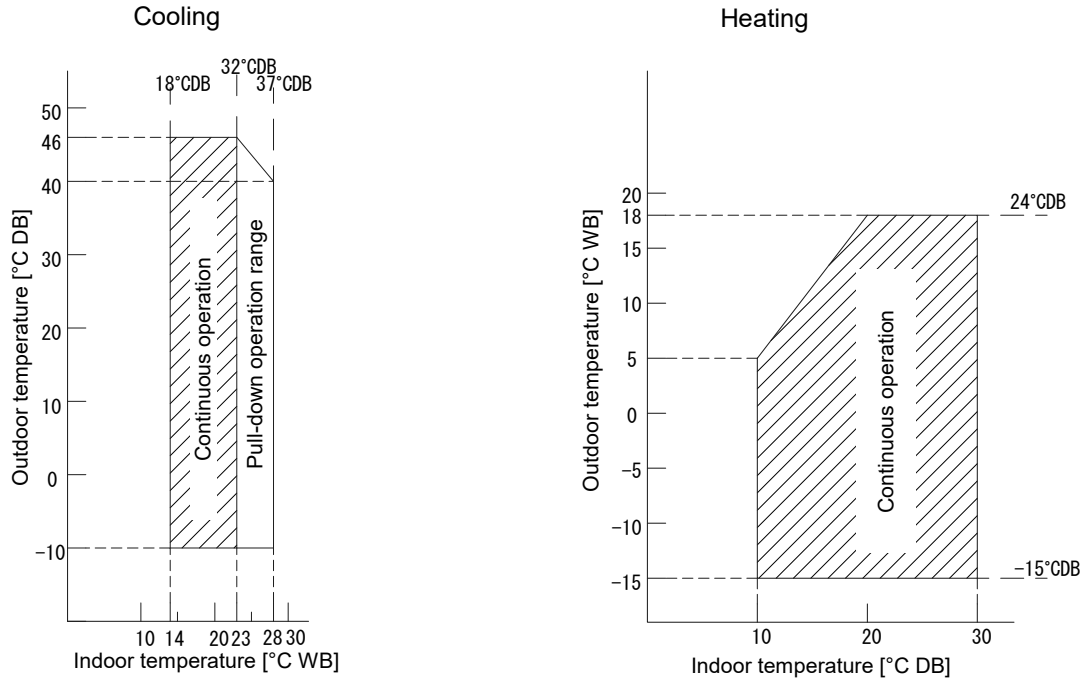
3D106226B

11 Operation range

11 - 1 Operation Range

11

2MXM-A
3MXM-A
4MXM-A
5MXM-A



Notes

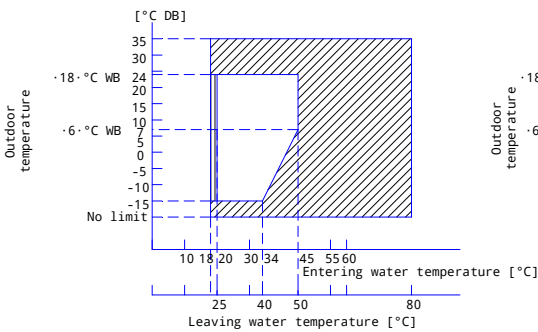
- The graph is based on the following conditions.
Corresponding refrigerant piping length: 5 m
Level difference: 0 m
Air flow rate High

3D101376D

3MXM52-68A
4MXM-A
5MXM-A

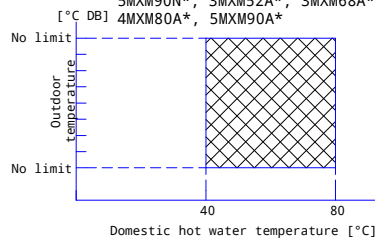
Hybrid unit operation only

See note 2.
Applicable models
3MXM52N*
3MXM52A*



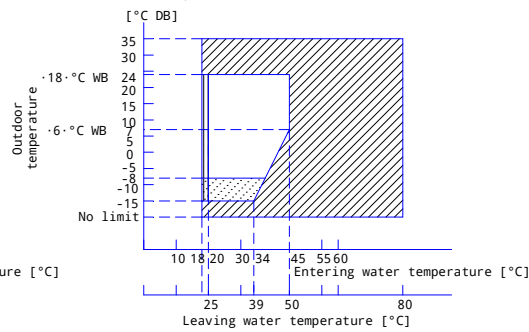
Domestic hot water heating mode

Applicable models
3MXM52N*, 3MXM68N*, 4MXM68N*, 4MXM80N*,
5MXM90N*, 3MXM52A*, 3MXM68A*, 4MXM68A*,
4MXM80A*, 5MXM90A*



Hybrid unit operation only

See note 2.
Applicable models
3MXM68N*, 4MXM68N*,
4MXM80N*, 5MXM90N*,
3MXM68A*, 4MXM68A*,
4MXM80A*, 5MXM90A*



Legend

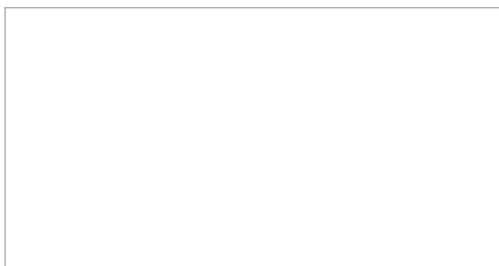
- Boiler operation (maximum condenser leaving water temperature is 50°C)
- Pull-up area
- Boiler operation during start-up See note 1.
- Instant domestic hot water Production always by boiler.

Notes

- When the heat pump is operating and the ambient temperature drops below -8°C, then the heat pump will keep operating.
- The purpose of Hybrid for Multi in combination with Multi Outdoor unit is for Heating only (space heating and DHW (by boiler only)). The target use of the air conditioner indoor unit in such a system is for cooling only. A combination of Hybrid and Air conditioner indoor unit, both in heating operation, is NOT the main objective of such a system. Hence, the heating comfort or continuous operation of the air conditioner indoor unit cannot be guaranteed over the complete operation range.

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