

Air Conditioning
Technical Data

3MXM-M



- > 3MXM40M2V1B
- > 3MXM52M2V1B
- > 3MXM68M2V1B

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3MXM-M

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1 Features

- Seasonal efficiency values up to A+++ in cooling and heating thanks to its up-to-date technology and built-in intelligence.
- Outdoor units for multi model application.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- 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. Each unit works individually and independently from the other regarding set
- Different types of indoor units can be connected: e.g. wall mounted units, concealed ceiling units
- 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



2 Specifications

2-1 Technical Specifications					3MXM40M	3MXM52M	3MXM68M	
Casing	Colour				Ivory white			
Dimensions	Unit	Height	mm		734			
		Width	mm		868			
		Depth	mm		320			
	Packed unit	Height	mm		820			
		Width	mm		1,050			
Depth		mm		480	840			
Weight	Unit		kg		57	62		
	Packed unit		kg		61	66		
Packing	Weight		kg		4			
Heat exchanger	Length		mm		920			
	Rows	Quantity		2				
	Fin pitch		mm		1.4			
	Stages	Quantity		32				
	Tube type		ø8 Hi-XA					
	Fin	Type		WH8 fin-hydrophilic		WHS8 FIN-HYDROPHILIC		
		Treatment		Anti-corrosion treatment				
Compressor	Model				2YC40JXDC		2YC71DXD#C	
	Type				Hermetically sealed swing compressor			
	Output		W		1,300	2,400		
Fan	Type				Propeller fan		Propeller	
	Air flow rate	Cooling	High	m ³ /min	42	46.5		
				cfm	1,483	1,642		
			Nom.	m ³ /min	42	42.5		
		Super low	High	m ³ /min	24	24.1		
				cfm	847	851		
			Heating	High	m ³ /min	41	43.8	
	cfm				1,447	1,547		
	Super low	Heating	Nom.	m ³ /min	41	43.8		
				cfm	1,447	1,547		
		Super low	Heating	Super low	m ³ /min	24	24.1	
cfm	847				851			
Fan motor	Model				D55F-31			
	Output		W		55			
	Speed	Cooling	High	rpm	700	760		
				Nom.	rpm	700		
			Super low	Low	rpm	-	420	
				Super low	rpm	420	-	
		Heating	High	rpm	680	720		
				Nom.	rpm	680	720	
			Super low	Low	rpm	-	420	
				Super low	rpm	420	-	
Sound power level	Cooling		dBA		59	61		
	Heating		dBA		59	61		
Sound pressure level	Cooling	Nom.		dBA	46	48		
	Heating	Nom.		dBA	47	48		
Operation range	Cooling	Ambient	Min.	°CDB	-10			
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	18			
Refrigerant	Type				R-32			
	Charge		kg		1.80	2.0		
			TCO ₂ eq		1.2	1.4		
	GWP				675			

2 Specifications

2

2-1 Technical Specifications				3MXM40M	3MXM52M	3MXM68M	
Piping connections	Liquid	Quantity		3			
		OD	mm	6.35			
	Gas	Quantity		1			
		OD	mm	9.5			
	Drain	ID	mm	-			
		OD	mm	16			
	Gas 2	Quantity		2			
		OD	mm	12.7			
	Piping length	OU - IU	Max.	m	25		
		System	Chargel ess	m	30		
	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			
Refrigerant oil	Type			FW68DA			
	Charged volume			l	0.65	0.90	

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Screw bag; Quantity : 1;

Standard Accessories : Drain plug; Quantity : 1;

Standard Accessories : Drain cap; Quantity : 9;

Standard Accessories : Reducer assembly; Quantity : 1;

2-2 Electrical Specifications				3MXM40M	3MXM52M	3MXM68M
Power supply	Name			V1		
	Phase			1~		
	Frequency	Hz		50		
	Voltage	V		220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A	30		
Current	Nominal running current (RLA)	Cooling	A	3.78	5.34	8.37
		Heating	A	4.23	6.81	9.49
	Starting current	Cooling	A	4.1	4.6	9.8
		Heating	A	4.1	4.6	9.8
Current - 60Hz	Maximum fuse amps (MFA)		A	-		

Notes

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

3MXM40-52M

Model		Unit				Power supply			COMP.		OFM	
Outdoor	H/P C/O	Hz	Voltage	MIN.	MAX.	MCA	MFA	MSC	RLA	kW	FLA	
3MXM40M2V1B	H/P	50	220	198	242	15,8	30	4,1	3,13	0,056	0,37	
			230	207	253				2,99			
			240	216	264				2,87			
3MXM52M2V1B	H/P	50	220	198	242	15,8	30	5,5	4,97	0,056	0,37	
			230	207	253				4,75			
			240	216	264				4,55			
3MXM52M2V1B	H/P	50	220	198	242	15,8	30	6,1	4,42	0,056	0,37	
			230	207	253				4,23			
			240	216	264				4,06			

Symbols

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

Notes

1. The RLA is based on the following conditions.
 - Cooling
 - Indoor temperature 27°C DB / 19°C WB
 - Outdoor temperature 35°C DB
2. Voltage range
 - The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
3. The maximum allowable voltage that is unbalanced between phases is 2%.
4. Select the wire size according to the MCA.
5. MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 - Earth leakage circuit breaker

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3MXM68M

Model		Unit				Power supply			COMP.		OFM	
Outdoor	H/P C/O	Hz	Voltage	MIN.	MAX.	MCA	MFA	MSC	RLA	kW	FLA	
3MXM68M2V1B	H/P	50	220	198	242	21,0	30	9,1	8,76	0,056	0,37	
			230	207	253				8,37			
			240	216	264				8,03			
4MXM68M2V1B	H/P	50	220	198	242	21,0	30	8,3	7,65	0,056	0,37	
			230	207	253				7,31			
			240	216	264				7,01			
4MXM80M2V1B	H/P	50	220	198	242	21,0	30	9,7	8,47	0,075	0,50	
			230	207	253				8,10			
			240	216	264				7,77			
5MXM90M2V1B	H/P	50	220	198	242	24,5	30	11,8	10,40	0,075	0,50	
			230	207	253				9,94			
			240	216	264				9,53			

Symbols

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

Notes

1. The RLA is based on the following conditions.
 - Cooling
 - Indoor temperature 27°C DB / 19°C WB
 - Outdoor temperature 35°C DB
2. Voltage range
 - The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
3. The maximum allowable voltage that is unbalanced between phases is 2%.
4. Select the wire size according to the MCA.
5. MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 - Earth leakage circuit breaker

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4 Combination table

4 - 1 Combination Table

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3MXM8M
Heating (50Hz 230V)

Outdoor unit	Indoor unit	Heating capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)
		Room A	Room B	Room C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	
3MXM8M2V1S	1S1-2D1S	3.68	2.29	2.43	2.10	8.60	10.36	0.42	2.08	2.48	3.84	9.38	11.95	95
	1S1-2D1S	3.64	2.26	2.41	2.07	8.60	10.45	0.44	2.05	2.48	3.82	9.35	11.95	95
	1S1-2D1S	3.68	2.23	2.40	2.11	8.60	10.46	0.44	2.05	2.57	3.82	9.35	11.95	95
	1S1-2D1S	3.62	2.20	2.38	2.11	8.60	10.38	0.55	2.08	2.43	3.80	9.35	11.95	95
	1S1-2D1S	3.66	2.21	2.39	2.11	8.60	10.39	0.55	2.08	2.46	3.80	9.37	11.95	95
	1S1-2D1S	3.69	2.23	2.41	2.11	8.60	10.47	0.45	2.05	2.45	3.79	9.35	11.95	95
	1S1-2D1S	3.72	2.27	2.41	2.20	8.60	10.58	0.47	2.02	2.57	2.15	9.35	11.95	95
	1S1-2D1S	3.67	2.22	2.41	2.21	8.60	10.58	0.47	2.02	2.57	2.15	9.35	11.95	95
	1S1-2S1S	3.43	2.39	2.78	2.81	8.60	11.00	0.56	1.99	2.46	2.58	9.11	12.08	95
	1S1-2S1S	3.39	2.35	2.75	2.80	8.60	10.97	0.57	1.99	2.43	2.62	9.05	12.08	95
	1S1-2S1S	3.72	2.34	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
	1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95
1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95	
1S1-2S1S	3.79	2.35	2.69	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	12.13	95	

- Notes:
- The total capacity of each connected indoor unit is up to 11.0kW.
 - The values above are for connecting with the following indoor unit types:
1.S.2.S.3.S.4.S.4.2.S.5.S.6.0 kW class
Wall-mounted CYM-M/FTM series
 - These indoor units can only be used in a multi-unit setup.
 - Heating capacity conditions:
Indoor temperature 20°C DB
Outdoor temperature 7°C DB / 6°C WB

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5 Capacity tables
5 - 1 Cooling Capacity Tables

3MXM40M

Cooling 50Hz 230V

Table with columns for indoor air temperature (14°C to 24°C) and capacity (kW, PI). Includes rows for different outdoor air temperatures (15.5, 2.0, 2.5, 3.5, 15.15, 15.10).

Notes

- 1. The capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m Level difference: 0m
2. The bold cells indicate the standard conditions.
3. The values above are for connecting with the following indoor unit types: 1.5, 2.0, 2.5, 3.5 kW class Wall-mounted CTXM-M/FTXM-M series

Table with columns for indoor air temperature (14°C to 24°C) and capacity (kW, PI). Includes rows for different outdoor air temperatures (15.5, 15.15, 2.0, 2.5, 2.0+2.0, 2.0+2.5, 2.0+3.5, 2.5+2.5).

Symbols

- TC: Total capacity [kW]
PI: Power input [kW]
① Indoor unit combinations
② Outdoor air temperature [°C DB]

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3MXM40M

Cooling 50Hz 230V

Table with columns for indoor air temperature (14°C to 24°C) and capacity (kW, PI). Includes rows for different outdoor air temperatures (15.15+2.0, 15.10+2.5, 15.15+3.5, 15.10+3.5, 15.15+3.5+2.0, 15.10+3.5+2.5, 15.15+3.5+2.5).

Notes

- 1. The capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m Level difference: 0m
2. The bold cells indicate the standard conditions.
3. The values above are for connecting with the following indoor unit types: 1.5, 2.0, 2.5, 3.5 kW class Wall-mounted CTXM-M/FTXM-M series

Table with columns for indoor air temperature (14°C to 24°C) and capacity (kW, PI). Includes rows for different outdoor air temperatures (15.15+2.0+2.0, 15.10+2.5+2.5, 15.15+3.5+2.0+2.0, 15.10+3.5+2.5+2.5, 15.15+3.5+2.0+2.5, 15.10+3.5+2.5+2.0, 15.15+3.5+2.5+2.5).

Symbols

- TC: Total capacity [kW]
PI: Power input [kW]
① Indoor unit combinations
② Outdoor air temperature [°C DB]

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5 Capacity tables

5 - 1 Cooling Capacity Tables

5

3MXM40M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C WB]											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
22.0	2.29	0.44	0.43	0.47	0.46	0.52	0.49	0.55	0.52	0.58	0.63	0.67	0.66
25.0	2.19	0.48	0.47	0.51	0.50	0.56	0.53	0.59	0.56	0.62	0.67	0.71	0.69
32.0	3.99	0.89	0.88	0.93	0.92	1.00	0.97	1.06	1.02	1.11	1.17	1.23	1.20
35.0	3.79	0.73	0.73	0.77	0.76	0.83	0.80	0.87	0.84	0.91	0.96	1.01	0.98
40.0	3.46	0.86	0.86	0.91	0.89	0.97	0.93	1.01	0.97	1.05	1.11	1.16	1.13
43.0	3.26	0.94	0.94	0.99	0.97	1.05	1.01	1.09	1.05	1.13	1.18	1.23	1.20
46.0	2.73	0.72	0.72	0.76	0.75	0.81	0.78	0.84	0.81	0.87	0.91	0.95	0.92

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- The bold cells indicate the standard conditions.
- The values above are for connecting with the following indoor unit types:
2.0,2.5 kW class
Wall-mounted FTXM-M series

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- ① Indoor unit combinations
- ② Outdoor air temperature [°C DB]

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3MXM52M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C WB]											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
22.0	2.69	0.48	0.47	0.52	0.50	0.57	0.54	0.61	0.58	0.65	0.70	0.74	0.72
25.0	2.59	0.52	0.51	0.56	0.54	0.62	0.59	0.66	0.63	0.70	0.75	0.79	0.77
32.0	4.60	0.98	0.97	1.03	1.01	1.10	1.07	1.16	1.13	1.22	1.28	1.34	1.31
35.0	4.40	0.82	0.82	0.87	0.85	0.93	0.90	0.98	0.95	1.02	1.07	1.12	1.09
40.0	4.07	0.95	0.95	1.00	0.98	1.06	1.03	1.11	1.08	1.15	1.20	1.25	1.22
43.0	3.87	1.03	1.03	1.08	1.06	1.14	1.11	1.19	1.16	1.23	1.28	1.33	1.30
46.0	3.34	0.80	0.80	0.84	0.83	0.89	0.87	0.93	0.91	0.96	1.00	1.04	1.02

①	②	Indoor air temperature [°C WB]											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
22.0	2.69	0.48	0.47	0.52	0.50	0.57	0.54	0.61	0.58	0.65	0.70	0.74	0.72
25.0	2.59	0.52	0.51	0.56	0.54	0.62	0.59	0.66	0.63	0.70	0.75	0.79	0.77
32.0	4.60	0.98	0.97	1.03	1.01	1.10	1.07	1.16	1.13	1.22	1.28	1.34	1.31
35.0	4.40	0.82	0.82	0.87	0.85	0.93	0.90	0.98	0.95	1.02	1.07	1.12	1.09
40.0	4.07	0.95	0.95	1.00	0.98	1.06	1.03	1.11	1.08	1.15	1.20	1.25	1.22
43.0	3.87	1.03	1.03	1.08	1.06	1.14	1.11	1.19	1.16	1.23	1.28	1.33	1.30
46.0	3.34	0.80	0.80	0.84	0.83	0.89	0.87	0.93	0.91	0.96	1.00	1.04	1.02

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- The bold cells indicate the standard conditions.
- The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M, FTXM-M series

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- ① Indoor unit combinations
- ② Outdoor air temperature [°C DB]

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5 Capacity tables

5 - 1 Cooling Capacity Tables

3MXM52M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C DB]																			
		14°C				16°C				18°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
22.0	5.30	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81					

①	②	Indoor air temperature [°C DB]																			
		14°C				16°C				18°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
22.0	5.30	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81					

- Notes
- The capacities are based on the following conditions:
 ◦ Responding refrigerant piping length: 5 m
 Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
 1.5.2.0.2.5.3.4.2.5.0 kW class
 Wall-mounted FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Rspwr input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C DB]

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3MXM52M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C DB]																			
		14°C				16°C				18°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
22.0	5.30	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81					

①	②	Indoor air temperature [°C DB]																			
		14°C				16°C				18°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
22.0	5.30	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81	6.31	1.81					

- Notes
- The capacities are based on the following conditions:
 ◦ Corresponding refrigerant piping length: 5 m
 Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
 1.5.2.0.2.5.3.4.2.5.0 kW class
 Wall-mounted FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Rspwr input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C DB]

3D102783

5 Capacity tables

5 - 1 Cooling Capacity Tables

5

3MXM2M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C WB]																					
		14°C			16°C			18°C			19°C			22°C			24°C						
		TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI				
15.42.5+1.5	22.0	6.94	1.79	7.07	3.42	7.30	1.45	7.55	1.87	8.01	1.92	8.36	1.96	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32
	25.0	6.54	1.85	6.87	3.48	7.19	1.61	7.36	1.94	7.81	1.99	8.17	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.37	2.41
	35.0	6.09	2.05	6.41	2.05	6.79	2.08	6.90	2.20	7.38	2.15	7.75	2.18	2.22	2.26	2.30	2.34	2.38	2.42	2.46	2.50	2.54	2.58
	40.0	5.89	2.00	6.21	2.12	6.54	2.19	6.20	2.47	7.10	2.22	7.51	2.26	2.30	2.34	2.38	2.42	2.46	2.50	2.54	2.58	2.62	2.66
	45.0	5.56	2.21	5.89	2.25	6.21	2.29	6.37	2.56	6.88	2.38	7.29	2.42	2.46	2.50	2.54	2.58	2.62	2.66	2.70	2.74	2.78	2.82

①	②	Indoor air temperature [°C WB]																					
		14°C			16°C			18°C			19°C			22°C			24°C						
		TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI				
2.04.2+1.5	22.0	7.04	1.83	7.17	3.46	7.50	1.87	7.85	1.93	8.34	1.96	8.54	1.96	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32
	25.0	6.64	1.89	7.17	3.50	7.48	1.95	7.68	1.94	8.14	1.99	8.35	1.99	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31	2.35
	35.0	6.19	2.10	6.51	2.16	6.84	2.20	6.95	2.32	7.20	2.25	7.57	2.28	2.32	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64	2.68
	40.0	5.98	2.05	6.30	2.17	6.63	2.24	6.25	2.52	7.05	2.27	7.46	2.31	2.35	2.39	2.43	2.47	2.51	2.55	2.59	2.63	2.67	2.71
	45.0	5.65	2.26	5.97	2.30	6.29	2.34	6.45	2.61	6.96	2.44	7.37	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	2.84	2.88

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- The bold cells indicate the standard conditions.
- The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5, 4.2, 5.0 kW class
Wall-mounted CTXM-M, FTXM-M series

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- ①: Indoor unit combinations
- ②: Outdoor air temperature [°C DB]

3D102786

3MXM2M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C WB]																					
		14°C			16°C			18°C			19°C			22°C			24°C						
		TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI	TC	PI	PI				
2.04.2+1.5	22.0	7.24	1.76	7.57	1.79	7.89	1.82	8.05	1.84	8.54	1.89	8.87	1.93	1.93	1.97	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29
	25.0	6.58	1.98	6.91	2.02	7.23	2.05	7.40	2.07	7.89	2.12	8.11	2.15	2.15	2.19	2.23	2.27	2.31	2.35	2.39	2.43	2.47	2.51
	35.0	6.39	2.06	6.71	2.09	7.04	2.13	7.20	2.14	7.69	2.19	8.01	2.23	2.23	2.27	2.31	2.35	2.39	2.43	2.47	2.51	2.55	2.59
	40.0	6.06	2.19	6.38	2.23	6.71	2.26	6.87	2.29	7.36	2.33	7.68	2.36	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72
	45.0	5.86	2.27	6.19	2.31	6.51	2.34	6.67	2.36	7.16	2.41	7.49	2.45	2.45	2.49	2.53	2.57	2.61	2.65	2.69	2.73	2.77	2.81

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- The bold cells indicate the standard conditions.
- The values above are for connecting with the following indoor unit types:
2.0, 2.5, 3.5, 4.2 kW class
Wall-mounted FTXM-M series

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- ①: Indoor unit combinations
- ②: Outdoor air temperature [°C DB]

3D102787

5 Capacity tables

5 - 1 Cooling Capacity Tables

3MXM52M

Cooling 50Hz 230V

①	②	Indoor air temperature [°C DB]											
		16°C		18°C		20°C		21°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
2.0+2.5+2	15.0	5.64	1.80	5.53	1.82	5.42	1.84	5.36	1.85	5.31	1.86	5.19	1.88
	10.0	6.54	1.89	6.45	1.91	6.32	1.93	6.27	1.94	6.21	1.95	6.00	1.97
	5.0	7.45	1.98	7.34	2.00	7.23	2.02	7.17	2.03	7.12	2.04	7.01	2.05
	0.0	8.35	2.07	8.24	2.08	8.13	2.10	8.04	2.11	8.00	2.14	7.91	2.14
	6.0	9.44	2.17	9.33	2.19	9.22	2.21	9.15	2.22	9.11	2.23	9.00	2.25
	10.0	10.17	2.24	10.06	2.26	9.94	2.28	9.89	2.29	9.83	2.30	9.72	2.32
2.0+3.5+3	15.0	11.07	2.31	10.96	2.33	10.85	2.37	10.79	2.38	10.74	2.39	10.63	2.41
	10.0	11.97	2.39	11.86	2.41	11.74	2.43	11.69	2.44	11.64	2.45	11.53	2.47
	5.0	12.87	2.48	12.76	2.50	12.65	2.52	12.60	2.53	12.55	2.54	12.44	2.56
	0.0	13.77	2.56	13.66	2.58	13.55	2.60	13.50	2.61	13.45	2.62	13.34	2.64
	6.0	14.67	2.65	14.56	2.67	14.45	2.69	14.40	2.70	14.35	2.71	14.24	2.73
	10.0	15.57	2.73	15.46	2.75	15.35	2.77	15.30	2.78	15.25	2.79	15.14	2.81
2.5+2.5+2.5	15.0	6.48	1.85	6.37	1.87	6.26	1.89	6.21	1.90	6.15	1.91	6.04	1.93
	10.0	7.38	1.94	7.28	1.96	7.17	1.98	7.11	1.99	7.05	2.00	6.95	2.01
	5.0	8.30	2.03	8.19	2.04	8.08	2.06	8.00	2.07	7.97	2.08	7.86	2.10
	0.0	9.19	2.13	9.08	2.15	8.97	2.17	8.91	2.18	8.85	2.19	8.74	2.21
	10.0	10.12	2.20	10.01	2.22	9.90	2.24	9.84	2.25	9.79	2.26	9.67	2.28
	15.0	11.03	2.29	10.92	2.31	10.81	2.33	10.75	2.34	10.70	2.35	10.58	2.37
2.5+2.5+3.5	15.0	6.76	1.88	6.66	1.90	6.55	1.92	6.49	1.93	6.43	1.94	6.32	1.96
	10.0	7.71	1.94	7.60	1.96	7.49	1.98	7.43	1.99	7.37	2.00	7.26	2.01
	5.0	8.64	2.03	8.53	2.05	8.42	2.07	8.36	2.08	8.30	2.09	8.19	2.11
	0.0	9.56	2.11	9.45	2.13	9.34	2.15	9.28	2.16	9.22	2.17	9.11	2.19
	10.0	10.45	2.19	10.33	2.21	10.22	2.23	10.16	2.24	10.10	2.25	9.99	2.27
	15.0	11.38	2.28	11.27	2.30	11.15	2.32	11.09	2.33	11.04	2.34	10.93	2.36

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
2.0, 2.5, 3.5 kW class
Wall-mounted FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Power input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C WB]

3D102792A

5 Capacity tables

5 - 2 Heating Capacity Tables

3MXM40M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]																				
		16°C			18°C			20°C			21°C			22°C			24°C					
		TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW			
15.0	15.0	2.88	0.84	2.76	0.87	2.66	0.89	2.61	0.90	2.54	0.90	2.47	0.89	2.41	0.88	2.35	0.88	2.29	0.87	2.23	0.87	2.17

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M, FTXM-M series

①	②	Indoor air temperature [°C DB]																				
		16°C			18°C			20°C			21°C			22°C			24°C					
		TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW			
15.0	15.0	2.88	0.84	2.76	0.87	2.66	0.89	2.61	0.90	2.54	0.90	2.47	0.89	2.41	0.88	2.35	0.88	2.29	0.87	2.23	0.87	2.17

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M, FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Power input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C WB]

3D102494

3MXM40M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]																				
		16°C			18°C			20°C			21°C			22°C			24°C					
		TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW			
15.0	15.0	2.88	0.84	2.76	0.87	2.66	0.89	2.61	0.90	2.54	0.90	2.47	0.89	2.41	0.88	2.35	0.88	2.29	0.87	2.23	0.87	2.17

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M, FTXM-M series

①	②	Indoor air temperature [°C DB]																				
		16°C			18°C			20°C			21°C			22°C			24°C					
		TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW	TC	PI	KW			
15.0	15.0	2.88	0.84	2.76	0.87	2.66	0.89	2.61	0.90	2.54	0.90	2.47	0.89	2.41	0.88	2.35	0.88	2.29	0.87	2.23	0.87	2.17

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M, FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Power input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C WB]

3D102796

5 Capacity tables

5 - 2 Heating Capacity Tables

5

3MXM40M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]												
		16°C		18°C		20°C		21°C		22°C		24°C		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
2.0+2.5+2.5	15.0	2.66	0.53	2.55	0.55	2.44	0.57	2.36	0.59	2.29	0.59	2.21	0.61	
	10.0	3.56	0.62	3.45	0.64	3.34	0.66	3.25	0.67	3.23	0.68	3.12	0.70	
	5.0	4.47	0.71	4.36	0.73	4.25	0.75	4.19	0.76	4.14	0.77	4.03	0.78	
	0.0	5.37	0.80	5.26	0.81	5.15	0.83	5.10	0.84	5.04	0.85	4.93	0.87	
	0.0	6.46	0.90	6.35	0.92	6.24	0.94	6.18	0.95	6.13	0.96	6.02	0.98	
	10.0	7.19	0.97	7.08	0.99	6.96	1.01	6.91	1.02	6.85	1.03	6.74	1.05	
	15.0	8.09	1.06	7.98	1.08	7.87	1.10	7.81	1.11	7.76	1.12	7.65	1.14	

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- The bold cells indicate the standard conditions.
- The values above are for connecting with the following indoor unit types:
2.0, 2.5 kW class
Wall-mounted FXM-M series

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- ① Indoor unit combinations
- ② Outdoor air temperature [°C WB]

3D102797

3MXM52M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]												
		16°C		18°C		20°C		21°C		22°C		24°C		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
1.5	15.0	2.26	0.51	2.20	0.52	2.15	0.53	2.11	0.54	2.05	0.54	2.00	0.55	
	10.0	2.98	0.56	2.93	0.57	2.87	0.58	2.83	0.59	2.77	0.59	2.72	0.60	
	5.0	3.52	0.63	3.47	0.64	3.40	0.65	3.35	0.66	3.30	0.66	3.25	0.67	
	0.0	4.06	0.70	4.01	0.71	3.94	0.72	3.89	0.73	3.84	0.73	3.79	0.74	
	0.0	4.81	0.77	4.76	0.78	4.69	0.79	4.64	0.80	4.59	0.80	4.54	0.81	
	10.0	5.56	0.84	5.51	0.85	5.44	0.86	5.39	0.87	5.34	0.87	5.29	0.88	
	15.0	6.31	0.91	6.26	0.92	6.19	0.93	6.14	0.94	6.09	0.94	6.04	0.95	

①	②	Indoor air temperature [°C DB]												
		16°C		18°C		20°C		21°C		22°C		24°C		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
1.5+1.5	15.0	2.67	0.53	2.56	0.55	2.44	0.57	2.36	0.59	2.29	0.59	2.21	0.61	
	10.0	3.56	0.62	3.45	0.64	3.34	0.66	3.25	0.67	3.23	0.68	3.12	0.70	
	5.0	4.47	0.71	4.36	0.73	4.25	0.75	4.19	0.76	4.14	0.77	4.03	0.78	
	0.0	5.37	0.80	5.26	0.81	5.15	0.83	5.10	0.84	5.04	0.85	4.93	0.87	
	0.0	6.46	0.90	6.35	0.92	6.24	0.94	6.18	0.95	6.13	0.96	6.02	0.98	
	10.0	7.19	0.97	7.08	0.99	6.96	1.01	6.91	1.02	6.85	1.03	6.74	1.05	
	15.0	8.09	1.06	7.98	1.08	7.87	1.10	7.81	1.11	7.76	1.12	7.65	1.14	

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- The bold cells indicate the standard conditions.
- The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M, FXM-M series

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- ① Indoor unit combinations
- ② Outdoor air temperature [°C WB]

3D102788A

5 Capacity tables

5 - 2 Heating Capacity Tables

3MXM52M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]																			
		16°C				18°C				20°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
15.0	4.87	1.92	4.59	1.95	4.58	1.97	4.63	1.98	4.58	1.99	4.60	1.99	4.60	2.01	4.60	2.01					

①	②	Indoor air temperature [°C DB]																			
		16°C				18°C				20°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
15.0	4.87	1.92	4.59	1.95	4.58	1.97	4.63	1.98	4.58	1.99	4.60	1.99	4.60	2.01	4.60	2.01					

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
2.0, 2.5, 3.5 kW class
Wall-mounted FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Power input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C WB]

3D102789A

3MXM52M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]																			
		16°C				18°C				20°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
15.0	4.86	2.01	4.75	2.06	4.64	2.01	4.58	2.09	4.53	2.02	4.41	2.02	4.32	2.01	4.26	2.01					

①	②	Indoor air temperature [°C DB]																			
		16°C				18°C				20°C				22°C				24°C			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI				
15.0	4.86	2.01	4.75	2.06	4.64	2.01	4.58	2.09	4.53	2.02	4.41	2.02	4.32	2.01	4.26	2.01					

- Notes
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
 - The bold cells indicate the standard conditions.
 - The values above are for connecting with the following indoor unit types:
1.5, 2.0, 2.5, 3.5 kW class
Wall-mounted CTXM-M/FTXM-M series

- Symbols
- TC: Total capacity [kW]
 - PI: Power input [kW]
 - ① Indoor unit combinations
 - ② Outdoor air temperature [°C WB]

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5 Capacity tables

5 - 2 Heating Capacity Tables

5

3MXM52M

Heating 50Hz 230V

①	②	Indoor air temperature [°C DB]																															
		16°C				18°C				20°C				22°C				24°C															
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI																
15-15-2.5	15-15-2.5	10.0	5.26	1.81	0.50	12.0	5.56	1.81	0.50	14.0	5.86	1.81	0.50	16.0	6.16	1.81	0.50	18.0	6.46	1.81	0.50	20.0	6.76	1.81	0.50	22.0	7.06	1.81	0.50	24.0	7.36	1.81	0.50

①	②	Indoor air temperature [°C DB]																															
		16°C				18°C				20°C				22°C				24°C															
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI																
20-20-2.5	20-20-2.5	10.0	5.56	1.81	0.50	12.0	5.86	1.81	0.50	14.0	6.16	1.81	0.50	16.0	6.46	1.81	0.50	18.0	6.76	1.81	0.50	20.0	7.06	1.81	0.50	22.0	7.36	1.81	0.50	24.0	7.66	1.81	0.50

Notes:
 1. The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
 2. The bold cells indicate the standard conditions.
 3. The values above are for connecting with the following indoor unit types:
 1.5.2.0, 2.5, 3.5 kW class
 Wall-mounted CTXM-M, FTXM-M series

Symbols:
 TC: Total capacity [kW]
 PI: Power input [kW]
 ① Indoor unit combinations
 ② Outdoor air temperature [°C WB]

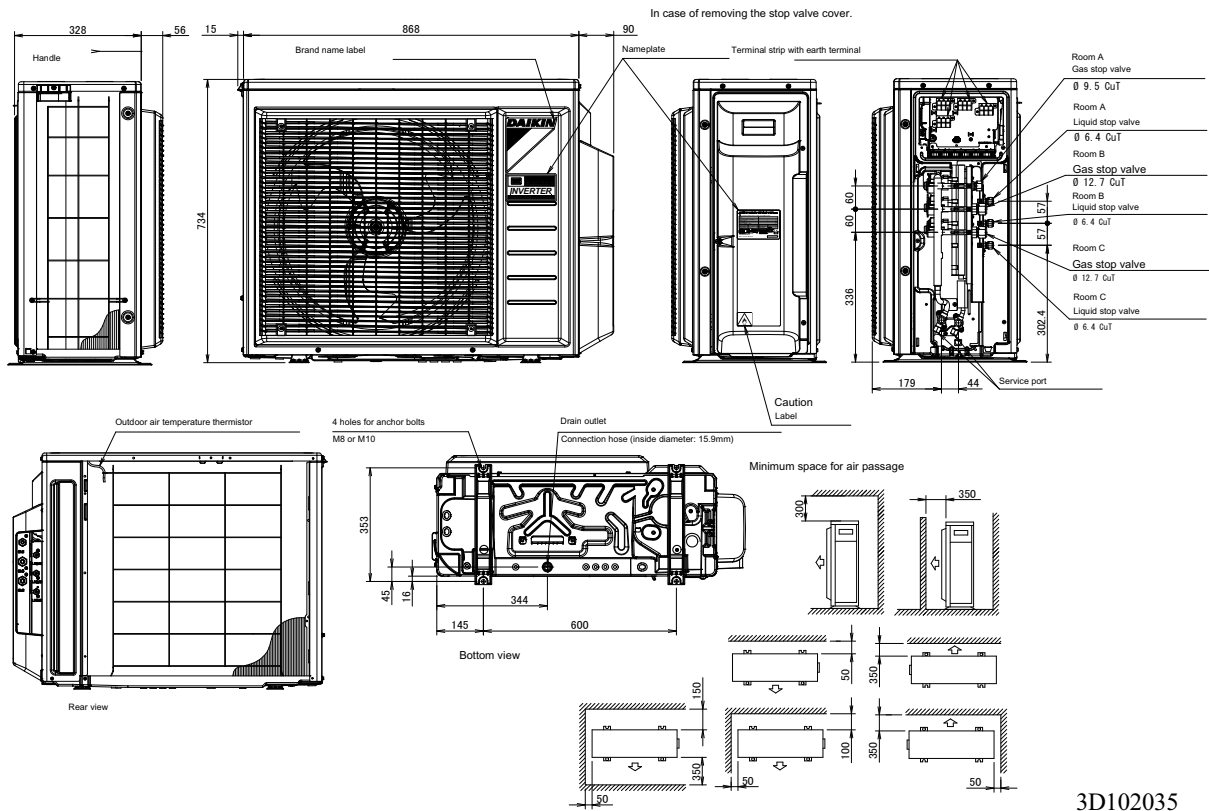
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6 Dimensional drawings

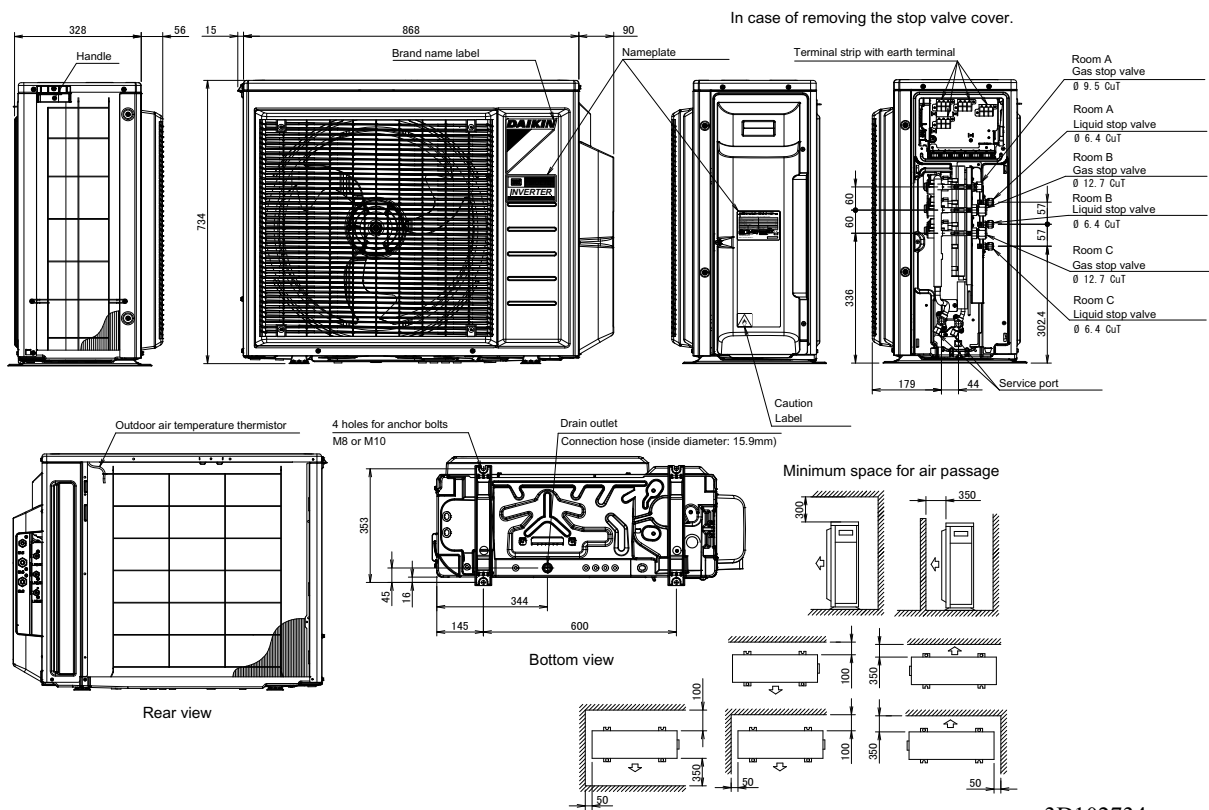
6 - 1 Dimensional Drawings

6

3MXM40-52M



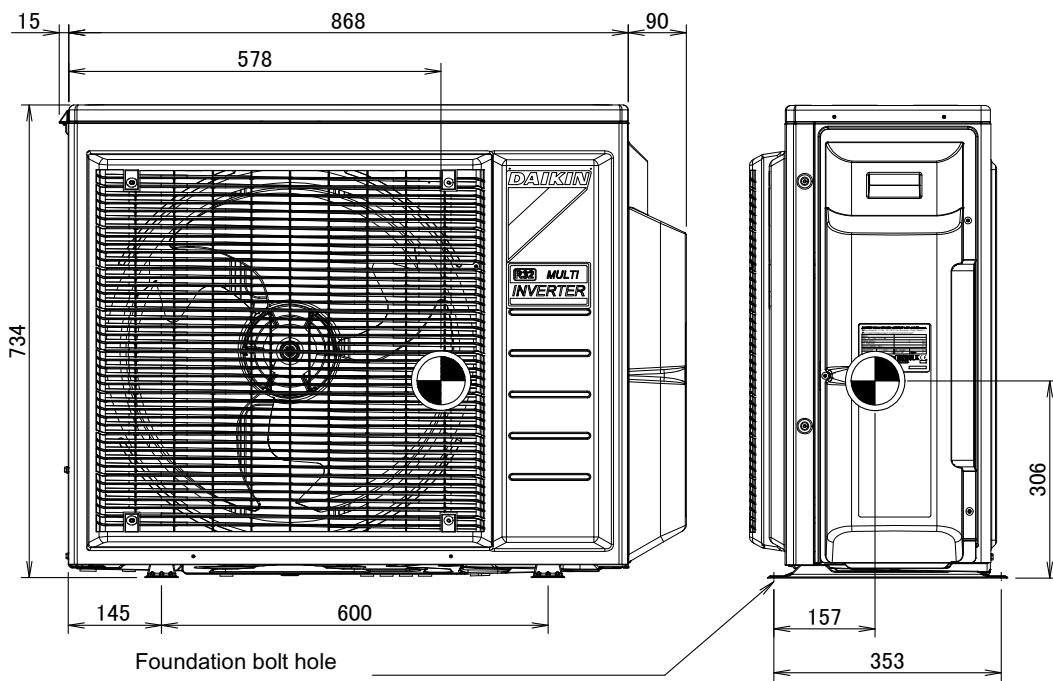
3MXM68M



7 Centre of gravity

7 - 1 Centre of Gravity

3MXM40-52M

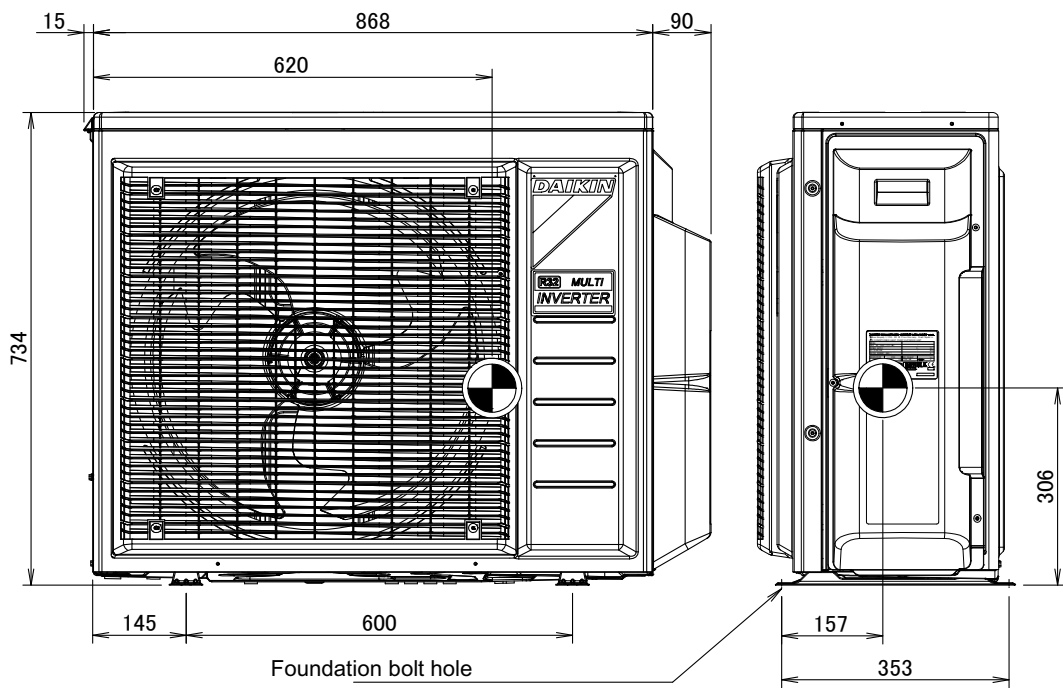


4D102202

7 Centre of gravity

7 - 1 Centre of Gravity

3MXM68M



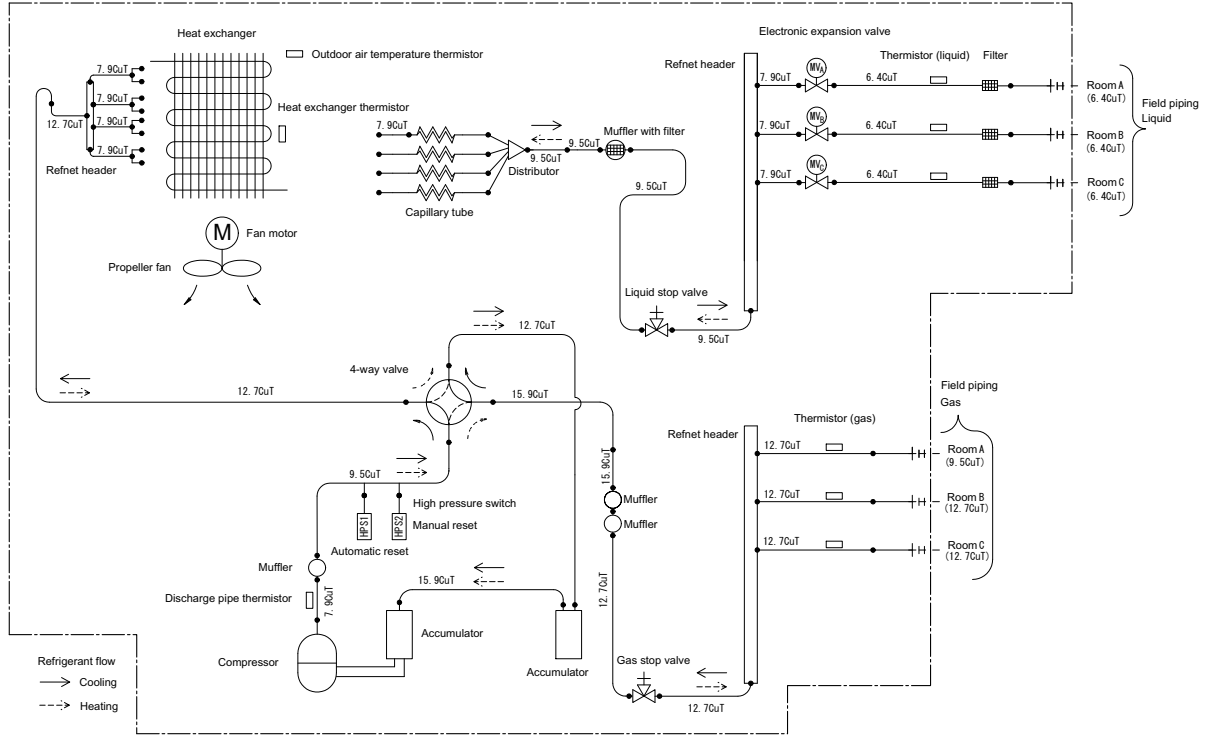
4D102822

8 Piping diagrams

8 - 1 Piping Diagrams

3MXM40-52M

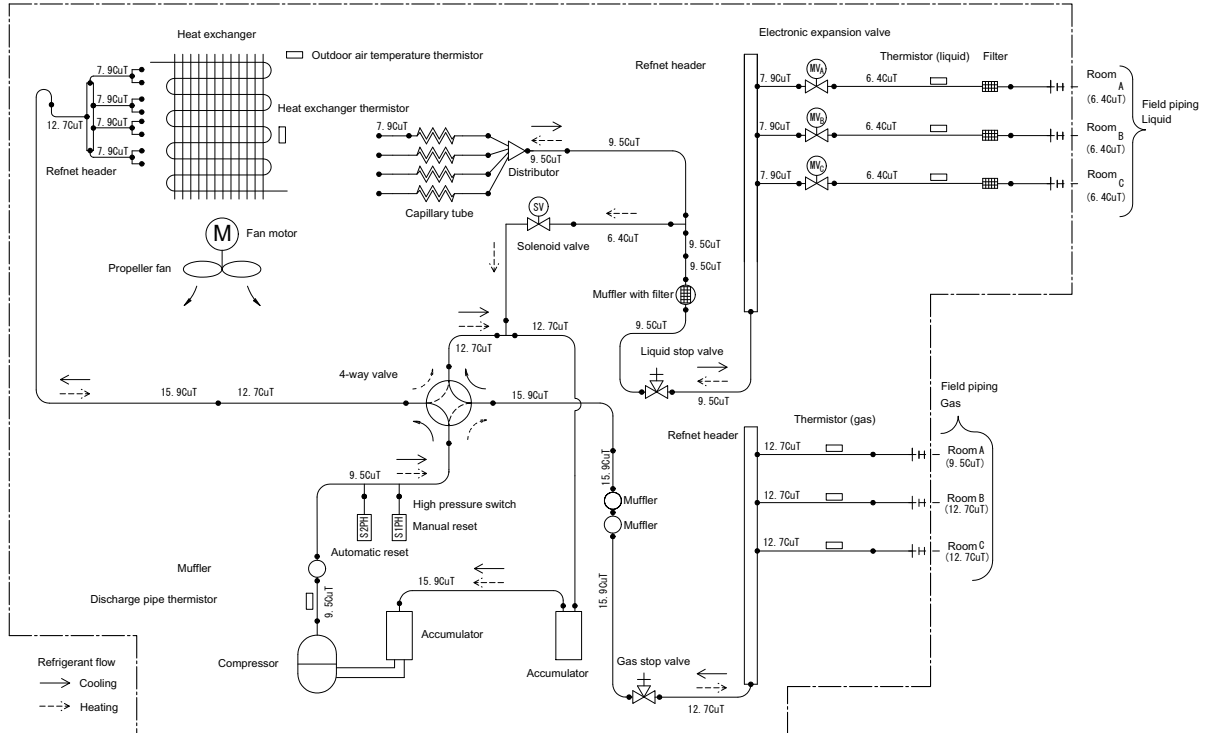
Outdoor Unit



3D097989

3MXM68M

Outdoor Unit

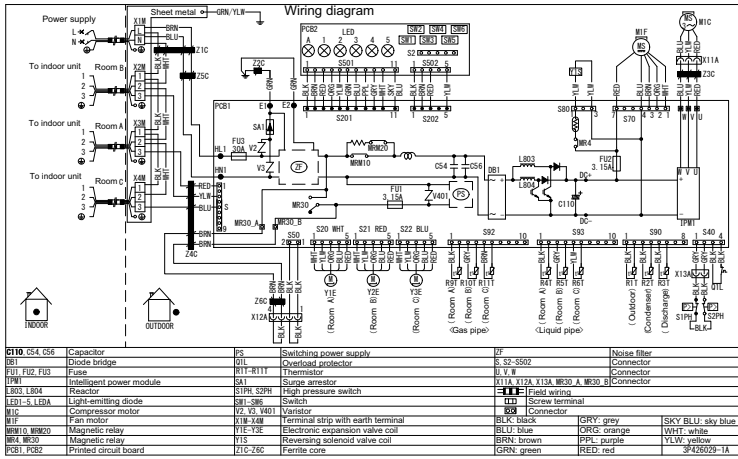


3D100777A

9 Wiring diagrams

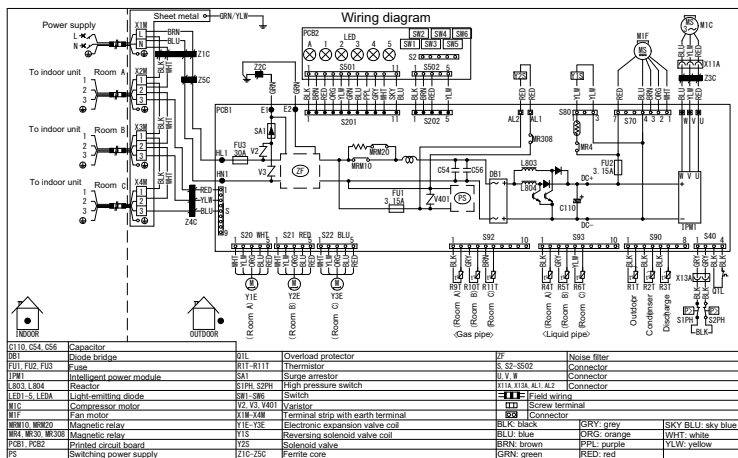
9 - 1 Wiring Diagrams - Single Phase

3MXM40-52M



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3MXM68M

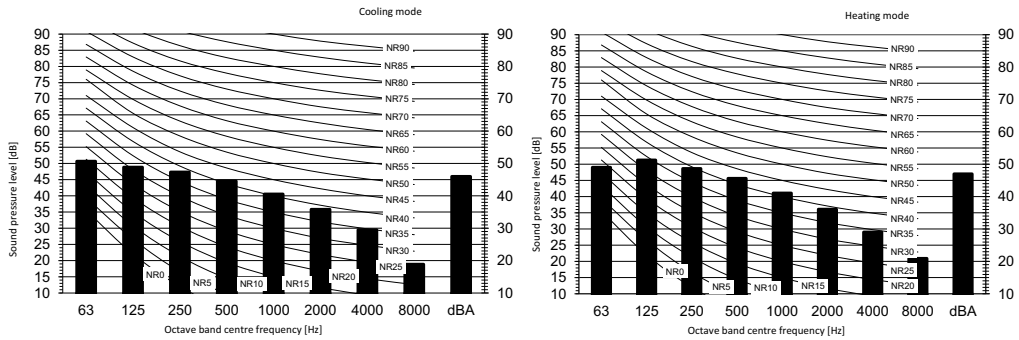


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10 Sound data

10 - 1 Sound Pressure Spectrum

3MXM40-52M



Legend

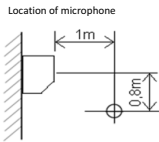
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale
 B High-tap

Cooling		Total dB
A	B	
dBA	46	

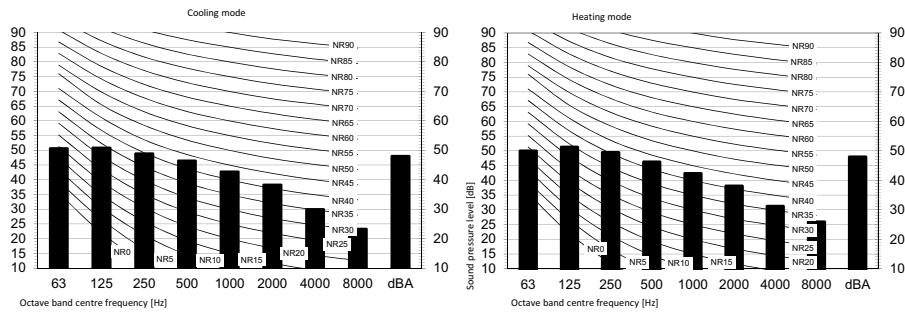
Heating		Total dB
A	B	
dBA	47	

- 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



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3MXM68M



Legend

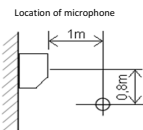
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale
 B High-tap

Cooling		Total dB
A	B	
dBA	48	

Heating		Total dB
A	B	
dBA	49	

- 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



3D103027

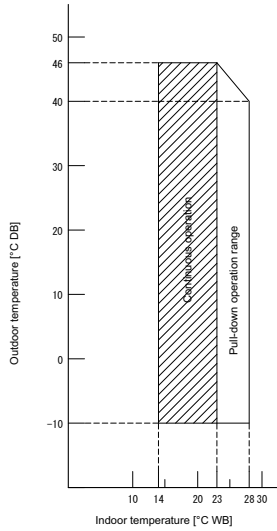
11 Operation range

11 - 1 Operation Range

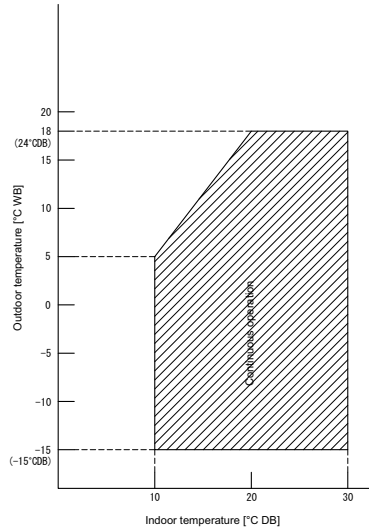
11

3MXM-M

Cooling



Heating



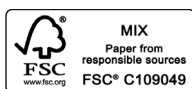
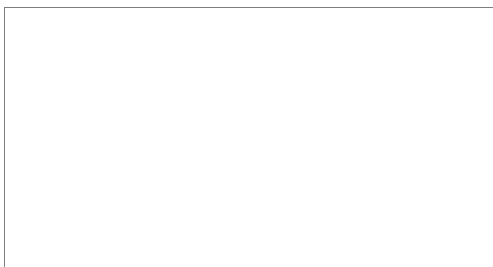
Notes

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

3D101376



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