

Air Conditioning Technical Data

3MXM-N



- > 3MXM40N2V1B
- > 3MXM52N2V1B
- > 3MXM68N2V1B

TABLE OF CONTENTS

3MXM-N

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Electrical data	5
4	Combination table	6
5	Capacity tables	14
	Capacity Table Legend	14
6	Dimensional drawings	15
7	Centre of gravity	16
8	Piping diagrams	17
9	Wiring diagrams	18
	Wiring Diagrams - Single Phase	18
10	Sound data	19
	Sound Pressure Spectrum	19
11	Operation range	20

1 Features

- 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 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. 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



Inverter

2 Specifications

2-1 Technical Specifications					3MXM40N		3MXM52N		3MXM68N		
Casing	Colour				Ivory white						
Dimensions	Unit	Height		mm	734						
		Width		mm	958						
		Depth		mm	340						
	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 / 0		920				
	Rows	Quantity			2						
	Fin pitch		mm		1.4						
	Stages	Quantity			32						
	Tube type				ø8 Hi-XA						
	Fin	Type			WHS8 FIN-HYDROPHILIC						
		Treatment			Anti-corrosion treatment						
Compressor	Model				2YC40JXD#C				2YC71DXD#C		
	Type				Hermetically sealed swing compressor						
	Output			W	1,300				2,400		
Fan	Type				Propeller						
	Air flow rate	Cooling	High	m³/min	42				46.5		
				cfm	1,483				1,642		
			Nom.	m³/min	42				42.5		
				cfm	1,483				1,501		
			Super low	cfm	847				851		
				m³/min	24				24.1		
			Heating	High	m³/min	41				43.8	
					cfm	1,447				1,547	
	Nom.	m³/min		41				43.8			
		cfm		1,447				1,547			
	Super low	cfm		847				851			
		m³/min	24				24.1				
Fan motor	Model				D55F-31						
	Output			W	55						
	Speed	Cooling	High	rpm	700				760		
			Nom.	rpm	700						
			Low	rpm	-				420		
			Super low	rpm	420				-		
		Heating	High	rpm	680				720		
			Nom.	rpm	680				720		
			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				2.00		
				TCO ₂ eq	1.2				1.4		
	GWP				675						

2 Specifications

2-1 Technical Specifications					3MXM40N	3MXM52N	3MXM68N
Piping connections	Liquid	Quantity			3		
		OD	mm		6.35		
	Gas	Quantity			1		
		OD	mm		9.5		
	Drain	ID	mm		16		
	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		
Refrigerant oil	Charged volume			l	0.65		0.90
	Type			FW68DA			

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Screw bag; Quantity : 1;

Standard Accessories : Drain plug; Quantity : 1;

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

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

Standard Accessories : Reducer assembly; Quantity : 1;

2-2 Electrical Specifications					3MXM40N	3MXM52N	3MXM68N
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

Notes

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

3MXM-N

Outdoor unit	Power supply					COMP		OFM	
Model name	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA
3MXM40N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	22,62	25	-	2,9	0,056	0,37
	50	230					3,0		
	50	240					3,1		
3MXM52N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	22,90	25	-	4,5	0,056	0,37
	50	230					4,7		
	50	240					4,9		
3MXM68N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	27,18	32	-	8,0	0,056	0,37
	50	230					8,4		
	50	240					8,7		
4MXM68N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	27,18	32	-	7,0	0,056	0,37
	50	230					7,3		
	50	240					7,6		
4MXM80N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	29,06	32	-	8,5	0,075	0,50
	50	230					8,9		
	50	240					9,3		
5MXM90N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	29,31	32	-	9,2	0,075	0,50
	50	230					9,6		
	50	240					10,0		
3AMXM52M3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	22,90	25	-	4,5	0,056	0,37
	50	230					4,7		
	50	240					4,9		

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.

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]

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4 Combination table

4 - 1 Combination Table

3MXM-N

In the combination table, the DHW generator for Multi or Hybrid for Multi is indicated by a capacity index.

For the DHW generator for Multi, the capacity index is "·2.0·". For the Hybrid for Multi, the applicable capacity index (-Note 7-) is indicated on the applicable 'Technical specifications' datasheet.

If the DHW generator for Multi or Hybrid for Multi is present in the system, then only combinations that contain their respective capacity index are allowed combinations. Disregard all other combinations.

Example – DHW generator for Multi

Example: allowed combinations – with DHW generator for Multi	
2.0 + 2.5 + 2.5	DHW generator for Multi + ·2.5· kW class indoor unit + ·2.5· kW class indoor unit
1.5 + 1.5 + 2.0	·1.5· kW class indoor unit + ·1.5· kW class indoor unit + DHW generator for Multi
2.0 + 2.0	·2.0· kW class indoor unit + DHW generator for Multi
...	...

Example – Hybrid for Multi

Example: allowed combinations – with Hybrid for Multi	
1.5+1.5+5.0	·1.5· kW class indoor unit + ·1.5· kW class indoor unit + ·5.0· kW class Hybrid for Multi
2.0+5.0	·2.0· kW class indoor unit + ·5.0· kW class Hybrid for Multi
1.5+1.5+7.1	·1.5· kW class indoor unit + ·1.5· kW class indoor unit + ·7.1· kW class Hybrid for Multi
...	...

To determine the cooling capacity of the system, only take into account the capacity class of the air conditioner indoor units. Ignore the capacity index of the Hybrid for Multi.

To determine the heating/cooling capacity of the system, only take into account the capacity class of the air conditioner indoor units. Ignore the capacity index of the DHW generator for Multi.

Example

·1.5· kW class indoor unit + ·1.5· kW class indoor unit + DHW generator for Multi = 1.5 + 1.5 + 2.0

Heating/cooling capacity (Note ·1·) = 1.5 + 1.5

Combination table

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (Kw)			TOTAL CAPACITY (Kw)			POWER INPUT COOLING (KW)			TOTAL CURRENT (A)			POWER FACTOR (%)
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	
3MXM40N*	1.50	1.50	---	---	1.40	1.50	2.20	0.32	0.35	0.46	1.52	1.63	2.2	91
	2.00	2.00	---	---	1.40	2.00	2.90	0.32	0.48	0.71	1.52	2.28	3.4	91
	2.50	2.50	---	---	1.40	2.50	3.10	0.32	0.64	0.82	1.52	3.05	3.9	91
	3.50	3.50	---	---	1.40	3.50	4.10	0.32	0.98	1.19	1.52	4.68	5.7	91
	1.5+1.5	1.50	1.50	---	1.60	3.00	4.20	0.34	0.59	1.14	1.63	2.82	5.44	91
	1.5+2.0	1.50	2.00	---	1.60	3.50	4.20	0.34	0.71	1.12	1.63	3.40	5.33	91
	1.5+2.5	1.50	2.50	---	1.60	4.00	4.20	0.34	0.86	1.10	1.63	4.11	5.33	91
	1.5+3.5	1.20	2.80	---	1.60	4.00	4.20	0.34	0.85	1.08	1.63	4.07	5.33	91
	2.0+2.0	2.00	2.00	---	1.60	4.00	4.50	0.34	0.84	1.09	1.63	4.02	5.22	91
	2.0+2.5	1.78	2.22	---	1.60	4.00	4.50	0.34	0.83	1.07	1.63	3.97	5.22	91
	2.0+3.5	1.45	2.55	---	1.60	4.00	4.50	0.34	0.83	1.03	1.63	3.97	5.22	91
	2.5+2.5	2.00	2.00	---	1.60	4.00	4.50	0.34	0.83	1.05	1.63	3.97	5.22	91
	2.5+3.5	1.67	2.33	---	1.60	4.00	4.50	0.34	0.82	1.01	1.63	3.92	5.22	91
	3.5+3.5	2.00	2.00	---	1.60	4.00	4.50	0.34	0.82	0.99	1.63	3.92	5.11	91
	1.5+1.5+1.5	1.33	1.33	1.33	1.70	4.00	4.60	0.36	0.78	0.98	1.74	3.73	4.68	91
	1.5+1.5+2.0	1.20	1.20	1.60	1.70	4.00	4.60	0.36	0.77	0.96	1.74	3.68	4.68	91
	1.5+1.5+2.5	1.09	1.09	1.82	1.70	4.00	4.60	0.36	0.77	0.94	1.74	3.68	4.68	91
	1.5+1.5+3.5	0.92	0.92	2.15	1.70	4.00	4.60	0.36	0.76	0.90	1.74	3.64	4.68	91
	1.5+2.0+2.0	1.09	1.45	1.45	1.70	4.00	4.60	0.36	0.77	0.92	1.74	3.68	4.68	91
	1.5+2.0+2.5	1.00	1.33	1.67	1.70	4.00	4.60	0.36	0.76	0.91	1.74	3.64	4.68	91
	1.5+2.0+3.5	0.86	1.14	2.00	1.70	4.00	4.60	0.36	0.76	0.89	1.74	3.64	4.68	91
	1.5+2.5+2.5	0.92	1.54	1.54	1.70	4.00	4.60	0.36	0.76	0.87	1.74	3.64	4.68	91
	2.0+2.0+2.0	1.33	1.33	1.33	1.70	4.00	4.60	0.36	0.76	0.85	1.74	3.64	4.68	91
	2.0+2.0+2.5	1.23	1.23	1.54	1.70	4.00	4.60	0.36	0.76	0.83	1.74	3.64	4.68	91
	2.0+2.5+2.5	1.14	1.43	1.43	1.70	4.00	4.60	0.36	0.75	0.81	1.74	3.59	4.68	91

Performance characteristics

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
1.5+1.5	22.0	3.50	0.50	4.51	0.83	4.78	0.86	4.92	0.88	5.33	0.92	5.61	0.95
	25.0	3.50	0.60	4.34	0.89	4.62	0.92	4.76	0.93	5.17	0.98	5.44	1.01
	32.0	3.50	0.90	3.95	1.03	4.23	1.06	4.37	1.08	4.78	1.12	5.05	1.15
	35.0	3.50	1.06	3.79	1.10	4.06	1.13	4.20	1.14	4.61	1.19	4.89	1.22
	40.0	3.24	1.18	3.51	1.21	3.79	1.24	3.92	1.26	4.33	1.31	4.61	1.34
	43.0	3.07	1.26	3.34	1.29	3.62	1.32	3.76	1.33	4.17	1.38	4.44	1.41
	46.0	2.87	1.30	3.10	1.30	3.34	1.30	3.45	1.30	3.79	1.30	4.00	1.30

Notes

- The heating capacity data are ONLY valid for heating operation by the air conditioner indoor units when there is NO domestic hot water operation by the DHW generator for Multi.
- The DHW generator for Multi and Hybrid for Multi cannot be used as standalone units.
- The system can only contain either the DHW generator for Multi or the Hybrid for Multi.
- The system can only contain one DHW generator for Multi or Hybrid for Multi.
- The Hybrid for Multi can only be combined with ·3MXM52/68N2V1B, 4MXM68/80N2V1B, 5MXM90N2V1B· outdoor units.
- 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.
In case of Hybrid for Multi, capacity index ·5· corresponds to the ·CHYHBH05· indoor unit.
In case of Hybrid for Multi, capacity index ·7.1· corresponds to the ·CHYHBH08· indoor unit.

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4 Combination table

4 - 1 Combination Table

3MXM40N

Cooling (50Hz 230V)

Outdoor unit	Indoor unit	Cooling capacity [kW]			Total capacity [kW]			Power input [kW]			Total current [A]			Power factor [%]
		Room -A-	Room -B-	Room -C-	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
3MXM40M2V1B 3MXM40M3V1B 3MXM40N2V1B	1,50	1,50	---	---	1,40	1,50	2,20	0,32	0,35	0,46	1,52	1,63	2,2	91
	2,00	2,00	---	---	1,40	2,00	2,90	0,32	0,48	0,71	1,52	2,28	3,4	91
	2,50	2,50	---	---	1,40	2,50	3,10	0,32	0,64	0,82	1,52	3,05	3,9	91
	3,50	3,50	---	---	1,40	3,50	4,10	0,32	0,98	1,19	1,52	4,68	5,7	91
	1.5+1.5	1,50	1,50	---	1,60	3,00	4,20	0,34	0,59	1,14	1,63	2,82	5,44	91
	1.5+2.0	1,50	2,00	---	1,60	3,50	4,20	0,34	0,71	1,12	1,63	3,40	5,33	91
	1.5+2.5	1,50	2,50	---	1,60	4,00	4,20	0,34	0,86	1,10	1,63	4,11	5,33	91
	1.5+3.5	1,20	2,80	---	1,60	4,00	4,20	0,34	0,85	1,08	1,63	4,07	5,33	91
	2.0+2.0	2,00	2,00	---	1,60	4,00	4,50	0,34	0,84	1,09	1,63	4,02	5,22	91
	2.0+2.5	1,78	2,22	---	1,60	4,00	4,50	0,34	0,83	1,07	1,63	3,97	5,22	91
	2.0+3.5	1,45	2,55	---	1,60	4,00	4,50	0,34	0,83	1,03	1,63	3,97	5,22	91
	2.5+2.5	2,00	2,00	---	1,60	4,00	4,50	0,34	0,83	1,05	1,63	3,97	5,22	91
	2.5+3.5	1,67	2,33	---	1,60	4,00	4,50	0,34	0,82	1,01	1,63	3,92	5,22	91
	3.5+3.5	2,00	2,00	---	1,60	4,00	4,50	0,34	0,82	0,99	1,63	3,92	5,11	91
	1.5+1.5+1.5	1,33	1,33	1,33	1,70	4,00	4,60	0,36	0,78	0,98	1,74	3,73	4,68	91
	1.5+1.5+2.0	1,20	1,20	1,60	1,70	4,00	4,60	0,36	0,77	0,96	1,74	3,68	4,68	91
	1.5+1.5+2.5	1,09	1,09	1,82	1,70	4,00	4,60	0,36	0,77	0,94	1,74	3,68	4,68	91
	1.5+1.5+3.5	0,92	0,92	2,15	1,70	4,00	4,60	0,36	0,76	0,90	1,74	3,64	4,68	91
	1.5+2.0+2.0	1,09	1,45	1,45	1,70	4,00	4,60	0,36	0,77	0,92	1,74	3,68	4,68	91
	1.5+2.0+2.5	1,00	1,33	1,67	1,70	4,00	4,60	0,36	0,76	0,91	1,74	3,64	4,68	91
	1.5+2.0+3.5	0,86	1,14	2,00	1,70	4,00	4,60	0,36	0,76	0,89	1,74	3,64	4,68	91
	1.5+2.5+2.5	0,92	1,54	1,54	1,70	4,00	4,60	0,36	0,76	0,87	1,74	3,64	4,68	91
	2.0+2.0+2.0	1,33	1,33	1,33	1,70	4,00	4,60	0,36	0,76	0,85	1,74	3,64	4,68	91
	2.0+2.0+2.5	1,23	1,23	1,54	1,70	4,00	4,60	0,36	0,76	0,83	1,74	3,64	4,68	91
	2.0+2.5+2.5	1,14	1,43	1,43	1,70	4,00	4,60	0,36	0,75	0,81	1,74	3,59	4,68	91

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-	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
3MXM40M2V1B 3MXM40M3V1B 3MXM40N2V1B	1,50	2,30	---	---	1,10	2,30	3,30	0,30	0,60	0,82	1,38	2,77	3,83	93
	2,00	2,70	---	---	1,10	2,70	3,70	0,30	0,76	1,23	1,38	3,51	5,75	93
	2,50	3,40	---	---	1,10	3,40	4,10	0,30	1,01	1,28	1,38	4,68	5,96	93
	3,50	4,20	---	---	1,10	4,20	4,80	0,30	1,42	1,71	1,38	6,60	7,98	93
	1.5+1.5	1,80	1,80	---	1,20	3,60	5,00	0,32	0,69	1,30	1,49	3,23	6,07	93
	1.5+2.0	1,54	2,06	---	1,20	3,60	5,00	0,32	0,69	1,28	1,49	3,23	5,96	93
	1.5+2.5	1,50	2,50	---	1,20	4,00	5,00	0,32	0,86	1,26	1,49	4,03	5,96	93
	1.5+3.5	1,38	3,22	---	1,20	4,60	5,00	0,32	0,98	1,22	1,49	4,59	5,96	93
	2.0+2.0	2,30	2,30	---	1,20	4,60	5,00	0,32	0,97	1,25	1,49	4,54	5,85	93
	2.0+2.5	2,04	2,56	---	1,20	4,60	5,00	0,32	0,98	1,23	1,49	4,59	5,85	93
	2.0+3.5	1,67	2,93	---	1,20	4,60	5,00	0,32	0,97	1,19	1,49	4,54	5,85	93
	2.5+2.5	2,30	2,30	---	1,20	4,60	5,00	0,32	0,96	1,21	1,49	4,49	5,85	93
	2.5+3.5	1,92	2,68	---	1,20	4,60	5,00	0,32	0,95	1,17	1,49	4,45	5,85	93
	3.5+3.5	2,30	2,30	---	1,20	4,60	5,00	0,32	0,94	1,15	1,49	4,40	5,75	93
	1.5+1.5+1.5	1,53	1,53	1,53	1,30	4,60	5,10	0,32	0,89	1,02	1,49	4,17	4,79	93
	1.5+1.5+2.0	1,38	1,38	1,84	1,30	4,60	5,10	0,32	0,89	1,01	1,49	4,17	4,72	93
	1.5+1.5+2.5	1,25	1,25	2,09	1,30	4,60	5,10	0,32	0,89	0,99	1,49	4,17	4,63	93
	1.5+1.5+3.5	1,06	1,06	2,48	1,30	4,60	5,10	0,32	0,88	0,97	1,49	4,12	4,53	93
	1.5+2.0+2.0	1,25	1,67	1,67	1,30	4,60	5,10	0,32	0,88	0,95	1,49	4,12	4,44	93
	1.5+2.0+2.5	1,15	1,53	1,92	1,30	4,60	5,10	0,32	0,87	0,93	1,49	4,07	4,35	93
	1.5+2.0+3.5	0,99	1,31	2,30	1,30	4,60	5,10	0,32	0,87	0,91	1,49	4,07	4,25	93
	1.5+2.5+2.5	1,06	1,77	1,77	1,30	4,60	5,10	0,32	0,88	0,87	1,49	4,12	4,07	93
	2.0+2.0+2.0	1,53	1,53	1,53	1,30	4,60	5,10	0,32	0,87	0,89	1,49	4,07	4,16	93
	2.0+2.0+2.5	1,42	1,42	1,77	1,30	4,60	5,10	0,32	0,87	0,86	1,49	4,07	4,02	93
	2.0+2.5+2.5	1,31	1,64	1,64	1,30	4,60	5,10	0,32	0,86	0,84	1,49	4,03	3,93	93

Notes

- The total capacity of each connected indoor unit is up to 7.0-kW.
- 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
- Heating capacity conditions
Indoor temperature -20°C DB
Outdoor temperature -7°C DB / -6°C WB
- Cooling capacity conditions
Indoor temperature -27°C DB / -19°C WB
Outdoor temperature -35°C DB
- For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see 3D106169-.

3D105370A

4 Combination table

4 - 1 Combination Table

3MXM52N

Cooling (50Hz 230V)

Outdoor unit	Indoor unit	Cooling 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.	
3MXM52N*	1,50	1,50	---	---	1,40	1,50	2,40	0,34	0,36	0,63	1,50	1,62	2,86	96,00
	2,00	2,00	---	---	1,60	2,00	3,00	0,36	0,48	0,78	1,60	2,17	3,51	96,00
	2,50	2,50	---	---	1,60	2,50	3,20	0,36	0,64	0,87	1,62	2,89	3,92	96,00
	3,50	3,50	---	---	1,60	3,50	4,20	0,37	0,98	1,30	1,63	4,43	5,88	96,00
	4,20	4,20	---	---	1,60	4,20	4,60	0,37	1,21	1,49	1,63	5,47	6,70	96,00
	5,00	---	5,00	---	1,60	5,00	5,40	0,35	1,76	2,03	1,55	7,94	9,18	96,00
	1.5+1.5	1,50	1,50	---	1,70	3,00	4,70	0,35	0,55	1,32	1,55	2,50	5,98	96,00
	1.5+2.0	1,50	2,00	---	1,70	3,50	4,70	0,35	0,66	1,30	1,55	2,99	5,88	96,00
	1.5+2.5	1,50	2,50	---	1,70	4,00	5,00	0,35	0,78	1,92	1,55	3,54	8,66	96,00
	1.5+3.5	1,50	3,50	---	1,70	5,00	6,00	0,35	1,06	2,17	1,55	4,81	9,80	96,00
	1.5+4.2	1,37	3,83	---	1,70	5,20	6,10	0,35	1,10	2,26	1,55	4,99	10,21	96,00
	1.5+5.0	1,20	4,00	---	1,70	5,20	6,30	0,35	1,10	2,28	1,55	4,99	10,31	96,00
	2.0+2.0	2,00	2,00	---	1,70	4,00	6,00	0,35	0,85	2,25	1,55	3,85	10,16	96,00
	2.0+2.5	2,00	2,50	---	1,70	4,50	6,20	0,35	0,95	2,21	1,55	4,31	9,99	96,00
	2.0+3.5	1,89	3,31	---	1,70	5,20	6,30	0,35	1,10	2,30	1,55	4,99	10,38	96,00
	2.0+4.2	1,68	3,52	---	1,70	5,20	6,30	0,35	1,09	2,25	1,55	4,94	10,18	96,00
	2.0+5.0	1,49	3,71	---	1,70	5,20	6,50	0,35	1,09	2,19	1,55	4,94	9,89	96,00
	2.5+2.5	2,50	2,50	---	1,70	5,00	6,30	0,35	1,04	2,34	1,55	4,72	10,59	96,00
	2.5+3.5	2,17	3,03	---	1,70	5,20	6,30	0,35	1,09	2,28	1,55	4,94	10,31	96,00
	2.5+4.2	1,94	3,26	---	1,70	5,20	6,40	0,35	1,09	2,30	1,55	4,94	10,31	96,00
	2.5+5.0	1,73	3,47	---	1,70	5,20	6,50	0,35	1,06	2,14	1,55	4,81	9,68	96,00
	3.5+3.5	2,60	2,60	---	1,70	5,20	6,40	0,35	1,08	2,28	1,55	4,90	10,31	96,00
	3.5+4.2	2,36	2,84	---	1,70	5,20	6,40	0,35	1,08	2,26	1,55	4,90	10,21	96,00
	3.5+5.0	2,14	3,06	---	1,70	5,20	6,60	0,35	1,06	2,19	1,55	4,81	9,89	96,00
	4.2+4.2	2,60	2,60	---	1,70	5,20	6,50	0,35	1,07	2,24	1,55	4,85	10,11	96,00
	1.5+1.5+1.5	1,50	1,50	1,50	1,80	4,50	6,70	0,37	0,90	2,28	1,65	4,08	10,30	96,00
	1.5+1.5+2.0	1,50	1,50	2,00	1,80	5,00	6,70	0,37	1,06	2,26	1,65	4,81	10,20	96,00
	1.5+1.5+2.5	1,42	1,42	2,36	1,80	5,20	6,70	0,37	1,09	2,23	1,65	4,94	10,10	96,00
	1.5+1.5+3.5	1,20	1,20	2,80	1,90	5,20	6,80	0,37	1,09	2,28	1,65	4,94	10,30	96,00
	1.5+1.5+4.2	1,08	1,08	3,03	1,90	5,20	6,80	0,37	1,08	2,26	1,65	4,90	10,20	96,00
	1.5+1.5+5.0	0,98	0,98	3,25	2,00	5,20	7,10	0,35	1,05	2,17	1,55	4,76	9,80	96,00
	1.5+2.0+2.0	1,42	1,89	1,89	1,80	5,20	6,70	0,37	1,10	2,21	1,65	4,99	10,00	96,00
	1.5+2.0+2.5	1,30	1,73	2,17	1,80	5,20	6,70	0,37	1,09	2,19	1,65	4,94	9,90	96,00
	1.5+2.0+3.5	1,11	1,49	2,60	1,90	5,20	6,80	0,37	1,08	2,23	1,65	4,90	10,10	96,00
	1.5+2.0+4.2	1,01	1,35	2,84	1,90	5,20	6,80	0,37	1,08	2,19	1,65	4,90	9,90	96,00
	1.5+2.0+5.0	0,92	1,22	3,06	2,00	5,20	7,20	0,35	1,04	2,15	1,55	4,72	9,70	96,00
	1.5+2.5+2.5	1,20	2,00	2,00	1,80	5,20	6,70	0,37	1,09	2,17	1,65	4,94	9,80	96,00
	1.5+2.5+3.5	1,04	1,73	2,43	1,90	5,20	6,80	0,37	1,08	2,21	1,65	4,90	10,00	96,00
	1.5+2.5+4.2	0,95	1,59	2,66	1,90	5,20	6,80	0,37	1,07	2,19	1,65	4,85	9,90	96,00
	1.5+2.5+5.0	0,87	1,44	2,89	2,00	5,20	7,30	0,35	1,04	2,17	1,55	4,72	9,80	96,00
	1.5+3.5+3.5	0,92	2,14	2,14	1,80	5,20	7,30	0,37	1,07	2,15	1,65	4,85	9,70	96,00
	2.0+2.0+2.0	1,73	1,73	1,73	1,80	5,20	7,00	0,37	1,07	2,22	1,65	4,85	10,05	96,00
	2.0+2.0+2.5	1,60	1,60	2,00	1,80	5,20	7,00	0,37	1,06	2,21	1,65	4,81	10,00	96,00
	2.0+2.0+3.5	1,39	1,39	2,43	1,90	5,20	7,20	0,39	1,05	2,17	1,75	4,76	9,80	96,00
	2.0+2.0+4.2	1,27	1,27	2,66	1,90	5,20	7,20	0,39	1,04	2,15	1,75	4,72	9,70	96,00
	2.0+2.0+5.0	1,16	1,16	2,89	2,00	5,20	7,30	0,37	1,03	2,19	1,65	4,67	9,91	96,00
	2.0+2.5+2.5	1,49	1,86	1,86	1,80	5,20	7,10	0,39	1,05	2,12	1,75	4,76	9,60	96,00
	2.0+2.5+3.5	1,30	1,63	2,28	1,90	5,20	7,20	0,39	1,04	2,15	1,75	4,72	9,70	96,00
	2.0+2.5+4.2	1,20	1,49	2,51	1,90	5,20	7,20	0,39	1,04	2,14	1,75	4,72	9,65	96,00
	2.0+3.5+3.5	1,16	2,02	2,02	1,90	5,20	7,30	0,39	1,04	2,15	1,75	4,72	9,70	96,00
	2.5+2.5+2.5	1,73	1,73	1,73	1,90	5,20	7,10	0,39	1,04	2,19	1,75	4,72	9,90	96,00
	2.5+2.5+3.5	1,53	1,53	2,14	1,90	5,20	7,20	0,39	1,04	2,16	1,75	4,72	9,75	96,00

Notes

- The total capacity of each connected indoor unit is up to 9.0kW.
- 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
- Cooling capacity conditions
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Editable data for this drawing are available in the GDE system.
- For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see 3D106169.

3D105371

4 Combination table

4 - 1 Combination Table

3MXM52N

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·	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
3MXM52M2V1B 3MXM52N2V1B	1,5	2,30	---	---	1,10	2,30	3,40	0,30	0,57	1,09	1,34	2,55	4,94	96
	2,0	2,70	---	---	1,10	2,70	3,80	0,30	0,76	1,27	1,34	3,40	5,75	96
	2,5	3,40	---	---	1,10	3,40	4,20	0,30	1,01	1,36	1,34	4,54	6,16	96
	3,5	4,20	---	---	1,10	4,20	4,80	0,30	1,42	1,74	1,34	6,39	7,88	96
	4,2	4,80	---	---	1,10	4,80	5,60	0,30	1,62	2,03	1,34	7,32	9,18	96
	5,0	---	5,80	---	1,10	5,80	6,80	0,30	2,17	2,58	1,34	9,80	11,68	96
	1.5+1.5	1,80	1,80	---	1,20	3,60	5,80	0,32	0,67	1,62	1,44	3,04	7,34	96
	1.5+2.0	1,71	2,29	---	1,20	4,00	5,80	0,32	0,77	1,60	1,44	3,49	7,25	96
	1.5+2.5	1,69	2,81	---	1,20	4,50	6,90	0,32	0,91	2,06	1,44	4,13	9,33	96
	1.5+3.5	1,65	3,85	---	1,20	5,50	7,00	0,32	1,22	2,25	1,44	5,53	10,19	96
	1.5+4.2	1,58	4,42	---	1,20	6,00	7,00	0,32	1,42	2,23	1,44	6,44	10,10	96
	1.5+5.0	1,57	5,23	---	1,30	6,80	7,20	0,32	1,58	2,30	1,44	7,16	10,42	96
	2.0+2.0	3,40	3,40	---	1,20	6,80	7,00	0,32	1,59	2,26	1,44	7,21	10,24	96
	2.0+2.5	3,02	3,78	---	1,20	6,80	7,00	0,32	1,58	2,25	1,44	7,16	10,19	96
	2.0+3.5	2,47	4,33	---	1,20	6,80	7,10	0,32	1,57	2,26	1,44	7,12	10,24	96
	2.0+4.2	2,19	4,61	---	1,20	6,80	7,10	0,32	1,56	2,24	1,44	7,07	10,14	96
	2.0+5.0	1,94	4,86	---	1,40	6,80	7,20	0,32	1,53	2,28	1,44	6,93	10,32	96
	2.5+2.5	3,40	3,40	---	1,20	6,80	7,00	0,32	1,53	2,23	1,44	6,93	10,10	96
	2.5+3.5	2,83	3,97	---	1,30	6,80	7,20	0,32	1,53	2,35	1,44	6,93	10,64	96
	2.5+4.2	2,54	4,26	---	1,30	6,80	7,20	0,32	1,52	2,33	1,44	6,89	10,55	96
	2.5+5.0	2,27	4,53	---	1,40	6,80	7,40	0,32	1,50	2,33	1,44	6,80	10,52	96
	3.5+3.5	3,40	3,40	---	1,40	6,80	7,30	0,32	1,52	2,38	1,44	6,89	10,78	96
	3.5+4.2	3,09	3,71	---	1,40	6,80	7,30	0,32	1,51	2,36	1,44	6,84	10,69	96
	3.5+5.0	2,80	4,00	---	1,45	6,80	7,50	0,32	1,50	2,30	1,44	6,80	10,42	96
	4.2+4.2	3,40	3,40	---	1,40	6,80	7,30	0,32	1,50	2,35	1,44	6,80	10,62	96
	1.5+1.5+1.5	2,27	2,27	2,27	1,30	6,80	8,00	0,32	1,40	2,12	1,44	6,35	9,60	96
	1.5+1.5+2.0	2,04	2,04	2,72	1,30	6,80	8,00	0,32	1,40	2,10	1,44	6,35	9,51	96
	1.5+1.5+2.5	1,85	1,85	3,09	1,30	6,80	8,00	0,32	1,39	2,08	1,44	6,30	9,42	96
	1.5+1.5+3.5	1,57	1,57	3,66	1,40	6,80	8,10	0,32	1,38	2,13	1,44	6,25	9,65	96
	1.5+1.5+4.2	1,42	1,42	3,97	1,40	6,80	8,10	0,32	1,38	2,11	1,44	6,25	9,56	96
	1.5+1.5+5.0	1,28	1,28	4,25	1,60	6,80	8,30	0,32	1,32	2,09	1,44	5,98	9,47	96
	1.5+2.0+2.0	1,85	2,47	2,47	1,30	6,80	8,00	0,32	1,39	2,14	1,44	6,30	9,69	96
	1.5+2.0+2.5	1,70	2,27	2,83	1,30	6,80	8,00	0,32	1,38	2,12	1,44	6,25	9,60	96
	1.5+2.0+3.5	1,46	1,94	3,40	1,40	6,80	8,10	0,32	1,37	2,16	1,44	6,21	9,78	96
	1.5+2.0+4.2	1,32	1,77	3,71	1,40	6,80	8,10	0,32	1,36	2,14	1,44	6,16	9,69	96
	1.5+2.0+5.0	1,20	1,60	4,00	1,60	6,80	8,30	0,32	1,31	2,07	1,44	5,94	9,38	96
	1.5+2.5+2.5	1,57	2,62	2,62	1,30	6,80	8,00	0,32	1,38	2,12	1,44	6,25	9,60	96
	1.5+2.5+3.5	1,36	2,27	3,17	1,40	6,80	8,10	0,32	1,37	2,13	1,44	6,21	9,65	96
	1.5+2.5+4.2	1,24	2,07	3,48	1,40	6,80	8,10	0,32	1,36	2,11	1,44	6,16	9,56	96
	1.5+2.5+5.0	1,13	1,89	3,78	1,60	6,80	8,30	0,32	1,30	2,09	1,44	5,89	9,47	96
	1.5+3.5+3.5	1,20	2,80	2,80	1,30	6,80	8,20	0,32	1,36	2,14	1,44	6,16	9,69	96
	2.0+2.0+2.0	2,27	2,27	2,27	1,30	6,80	8,00	0,32	1,39	2,13	1,44	6,30	9,65	96
	2.0+2.0+2.5	2,09	2,09	2,62	1,30	6,80	8,00	0,32	1,38	2,11	1,44	6,25	9,56	96
	2.0+2.0+3.5	1,81	1,81	3,17	1,40	6,80	8,10	0,32	1,37	2,12	1,44	6,21	9,60	96
	2.0+2.0+4.2	1,66	1,66	3,48	1,40	6,80	8,10	0,32	1,36	2,10	1,44	6,16	9,51	96
	2.0+2.0+5.0	1,51	1,51	3,78	1,60	6,80	8,30	0,32	1,29	2,08	1,44	5,85	9,42	96
	2.0+2.5+2.5	1,94	2,43	2,43	1,30	6,80	8,00	0,32	1,37	2,09	1,44	6,21	9,47	96
	2.0+2.5+3.5	1,70	2,13	2,98	1,50	6,80	8,10	0,32	1,36	2,11	1,44	6,16	9,56	96
	2.0+2.5+4.2	1,56	1,95	3,28	1,50	6,80	8,10	0,32	1,35	2,11	1,44	6,12	9,56	96
	2.0+3.5+3.5	1,51	2,64	2,64	1,50	6,80	8,20	0,32	1,35	2,15	1,44	6,12	9,74	96
	2.5+2.5+2.5	2,27	2,27	2,27	1,40	6,80	8,00	0,32	1,36	2,07	1,44	6,16	9,38	96
	2.5+2.5+3.5	2,00	2,00	2,80	1,50	6,80	8,10	0,32	1,35	2,09	1,44	6,12	9,47	96

Notes

- The total capacity of each connected indoor unit is up to 9.0-kW.
- 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
- Heating capacity conditions
Indoor temperature ·20·°C DB
Outdoor temperature ·7·°C DB / ·6·°C WB
- Cooling capacity conditions
Indoor temperature ·27·°C DB / ·19·°C WB
Outdoor temperature ·35·°C DB
- For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

3D105372B

4 Combination table

4 - 1 Combination Table

3MXM68N

Cooling (50Hz 230V)

Outdoor unit	Indoor unit	Cooling 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.	
3MXM68N*	1,5	1,60	---	---	1,52	1,60	2,49	0,40	0,42	0,59	1,82	1,98	2,71	95
	2,0	2,00	---	---	1,66	2,00	2,68	0,42	0,43	0,60	1,91	2,08	2,75	95
	2,5	2,50	---	---	1,74	2,50	3,44	0,44	0,44	0,82	2,00	2,62	3,77	95
	3,5	3,50	---	---	1,93	3,50	4,86	0,46	0,46	1,43	2,09	3,84	6,53	95
	4,2	---	---	4,20	1,93	4,20	5,33	0,46	0,46	1,44	2,09	3,93	6,57	95
	5,0	---	---	5,00	1,94	5,00	6,03	0,44	0,44	2,13	2,00	7,20	9,77	95
	6,0	---	---	6,00	1,94	6,00	6,51	0,44	0,44	2,13	2,00	7,29	9,77	95
	1.5+1.5	1,50	1,50	---	1,95	3,00	4,79	0,40	0,51	1,15	1,81	2,34	5,25	95
	1.5+2.0	1,50	2,00	---	1,95	3,50	4,96	0,40	0,62	1,22	1,81	2,84	5,58	95
	1.5+2.5	1,50	2,50	---	1,95	4,00	5,28	0,40	0,75	1,36	1,81	3,44	6,23	95
	1.5+3.5	1,50	3,50	---	1,95	5,00	6,17	0,39	1,04	1,83	1,77	4,76	8,39	95
	1.5+4.2	1,50	4,20	---	1,95	5,70	6,39	0,39	1,27	1,96	1,77	5,82	8,96	95
	1.5+5.0	1,50	5,00	---	1,95	6,50	7,08	0,38	1,50	2,23	1,73	6,87	10,22	95
	1.5+6.0	1,36	5,44	---	1,96	6,80	7,59	0,37	1,62	2,36	1,68	7,42	10,79	95
	2.0+2.0	2,00	2,00	---	1,95	4,00	5,12	0,40	0,75	1,29	1,81	3,44	5,91	95
	2.0+2.5	2,00	2,50	---	1,95	4,50	5,44	0,40	0,89	1,43	1,81	4,08	6,56	95
	2.0+3.5	2,00	3,50	---	1,95	5,50	6,30	0,39	1,17	1,91	1,77	5,36	8,76	95
	2.0+4.2	2,00	4,20	---	1,95	6,20	6,51	0,39	1,43	2,05	1,77	6,55	9,37	95
	2.0+5.0	1,94	4,86	---	1,95	6,80	7,26	0,38	1,59	2,36	1,73	7,28	10,79	95
	2.0+6.0	1,70	5,10	---	1,96	6,80	7,71	0,37	1,61	2,45	1,68	7,37	11,20	95
	2.5+2.5	2,50	2,50	---	1,95	5,00	6,10	0,41	1,01	1,78	1,89	4,63	8,15	95
	2.5+3.5	2,50	3,50	---	1,95	6,00	6,57	0,40	1,29	2,11	1,81	5,91	9,65	95
	2.5+4.2	2,50	4,20	---	1,95	6,70	6,95	0,40	1,51	2,38	1,81	6,92	10,88	95
	2.5+5.0	2,27	4,53	---	1,95	6,80	7,37	0,37	1,50	2,45	1,68	6,87	11,20	95
	2.5+6.0	2,00	4,80	---	1,96	6,80	7,71	0,35	1,48	2,45	1,60	6,78	11,20	95
	3.5+3.5	3,40	3,40	---	1,95	6,80	7,13	0,38	1,45	2,37	1,73	6,64	10,83	95
	3.5+4.2	3,09	3,71	---	1,95	6,80	7,24	0,38	1,45	2,46	1,73	6,64	11,24	95
	3.5+5.0	2,80	4,00	---	1,95	6,80	7,76	0,35	1,42	2,78	1,60	6,50	12,71	95
	3.5+6.0	2,51	4,29	---	2,26	6,80	8,07	0,40	1,40	2,72	1,81	6,41	12,46	95
	4.2+4.2	---	3,40	3,40	1,95	6,80	7,14	0,38	1,44	2,37	1,73	6,60	10,83	95
	4.2+5.0	---	3,10	3,70	1,95	6,80	7,77	0,35	1,41	2,78	1,60	6,46	12,71	95
	4.2+6.0	---	2,80	4,00	2,26	6,80	8,08	0,40	1,40	2,72	1,81	6,41	12,46	95
	5.0+5.0	---	3,40	3,40	2,34	6,80	8,22	0,43	1,38	2,98	1,98	6,32	13,65	95
	5.0+6.0	---	3,09	3,71	2,47	6,80	8,45	0,44	1,37	2,92	2,02	6,28	13,36	95
	1.5+1.5+1.5	1,50	1,50	1,50	1,96	4,50	6,40	0,39	0,61	1,57	1,77	2,80	7,17	95
	1.5+1.5+2.0	1,44	1,44	1,92	1,96	4,80	6,56	0,39	0,70	1,65	1,77	3,21	7,54	95
	1.5+1.5+2.5	1,36	1,36	2,27	1,96	5,00	6,72	0,39	0,80	1,73	1,77	3,67	7,90	95
	1.5+1.5+3.5	1,50	1,50	3,50	1,96	6,50	7,11	0,38	1,56	1,92	1,73	7,14	8,80	95
	1.5+1.5+4.2	1,42	1,42	3,97	1,96	6,80	7,33	0,38	1,80	2,05	1,73	8,24	9,37	95
	1.5+1.5+5.0	1,28	1,28	4,25	1,96	6,80	7,74	0,36	1,75	2,22	1,64	8,01	10,14	95
	1.5+1.5+6.0	1,13	1,13	4,53	2,31	6,80	7,99	0,40	1,73	2,17	1,85	7,92	9,94	95
	1.5+2.0+2.0	1,50	2,00	2,00	1,96	5,50	6,48	0,39	1,01	1,61	1,77	4,63	7,37	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:
1.5, 2.0, 2.5, 3.5, 4.2, 5.0, 6.0 kW class
Wall-mounted CTXM-M,FTXM-M series
- Cooling capacity conditions
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Editable data for this drawing are available in the GDE system.
- For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see 3D106169.

3D105381

4 Combination table

4 - 1 Combination Table

3MXM68N

Cooling (50Hz 230V)

Outdoor unit	Indoor unit	Cooling 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.	
3MXM68N*	1.5+2.0+2.5	1,50	2,00	2,50	1,96	6,00	6,87	0,39	1,32	1,81	1,77	6,05	8,27	95
	1.5+2.0+3.5	1,46	1,94	3,40	1,96	6,80	7,25	0,38	1,80	2,01	1,73	8,24	9,21	95
	1.5+2.0+4.2	1,32	1,77	3,71	1,96	6,80	7,47	0,38	1,79	2,14	1,73	8,20	9,78	95
	1.5+2.0+5.0	1,20	1,60	4,00	1,96	6,80	7,87	0,36	1,74	2,31	1,64	7,97	10,55	95
	1.5+2.0+6.0	1,07	1,43	4,29	2,31	6,80	8,13	0,40	1,72	2,26	1,85	7,88	10,35	95
	1.5+2.5+2.5	1,50	2,50	2,50	1,96	6,50	7,10	0,38	1,63	1,92	1,73	7,46	8,80	95
	1.5+2.5+3.5	1,36	2,27	3,17	1,96	6,80	7,60	0,36	1,79	2,23	1,64	8,20	10,18	95
	1.5+2.5+4.2	1,24	2,07	3,48	1,96	6,80	7,81	0,36	1,78	2,35	1,64	8,15	10,75	95
	1.5+2.5+5.0	1,13	1,89	3,78	1,96	6,80	7,95	0,36	1,74	2,35	1,64	7,97	10,75	95
	1.5+2.5+6.0	1,02	1,70	4,08	2,31	6,80	8,42	0,41	1,71	2,44	1,89	7,83	11,16	95
	1.5+3.5+3.5	1,20	2,80	2,80	1,96	6,80	7,94	0,37	1,77	2,45	1,68	8,11	11,20	95
	1.5+3.5+4.2	1,11	2,59	3,10	1,96	6,80	8,13	0,37	1,76	2,58	1,68	8,06	11,81	95
	1.5+3.5+5.0	1,02	2,38	3,40	1,96	6,80	8,46	0,33	1,72	2,72	1,52	7,88	12,46	95
	1.5+3.5+6.0	0,93	2,16	3,71	2,31	6,80	8,56	0,41	1,70	2,53	1,89	7,79	11,57	95
	1.5+4.2+4.2	1,03	2,88	2,88	1,96	6,80	8,26	0,37	1,75	2,68	1,68	8,01	12,26	95
	1.5+4.2+5.0	0,95	2,67	3,18	1,96	6,80	8,53	0,33	1,71	2,77	1,52	7,83	12,67	95
	2.0+2.0+2.0	2,00	2,00	2,00	1,96	6,00	6,64	0,39	1,34	1,68	1,77	6,14	7,70	95
	2.0+2.0+2.5	2,00	2,00	2,50	1,96	6,50	7,03	0,39	1,63	1,89	1,77	7,46	8,64	95
	2.0+2.0+3.5	1,81	1,81	3,17	1,96	6,80	7,40	0,38	1,79	2,09	1,73	8,20	9,57	95
	2.0+2.0+4.2	1,66	1,66	3,48	1,96	6,80	7,61	0,38	1,78	2,23	1,73	8,15	10,18	95
	2.0+2.0+5.0	1,51	1,51	3,78	1,96	6,80	8,01	0,36	1,74	2,39	1,64	7,97	10,96	95
	2.0+2.0+6.0	1,36	1,36	4,08	2,31	6,80	8,27	0,40	1,71	2,35	1,85	7,83	10,75	95
	2.0+2.5+2.5	1,94	2,43	2,43	1,96	6,80	7,24	0,38	1,77	2,01	1,73	8,11	9,21	95
	2.0+2.5+3.5	1,70	2,13	2,98	1,96	6,80	7,74	0,36	1,76	2,31	1,64	8,06	10,55	95
	2.0+2.5+4.2	1,56	1,95	3,28	1,96	6,80	7,94	0,36	1,75	2,45	1,64	8,01	11,20	95
	2.0+2.5+5.0	1,43	1,79	3,58	1,96	6,80	8,08	0,36	1,71	2,44	1,64	7,83	11,16	95
	2.0+2.5+6.0	1,30	1,62	3,89	2,31	6,80	8,55	0,41	1,69	2,53	1,89	7,74	11,57	95
	2.0+3.5+3.5	1,51	2,64	2,64	1,96	6,80	8,07	0,37	1,74	2,54	1,68	7,97	11,61	95
	2.0+3.5+4.2	1,40	2,45	2,94	1,96	6,80	8,25	0,37	1,74	2,68	1,68	7,97	12,26	95
	2.0+3.5+5.0	1,30	2,27	3,24	2,28	6,80	8,58	0,40	1,69	2,82	1,85	7,74	12,91	95
	2.0+4.2+4.2	1,31	2,75	2,75	1,96	6,80	8,37	0,37	1,73	2,77	1,68	7,92	12,67	95
	2.5+2.5+2.5	2,27	2,27	2,27	1,96	6,80	7,53	0,38	1,76	2,18	1,73	8,06	9,98	95
	2.5+2.5+3.5	2,00	2,00	2,80	1,96	6,80	7,94	0,36	1,72	2,45	1,64	7,88	11,20	95
	2.5+2.5+4.2	1,85	1,85	3,10	1,96	6,80	8,12	0,36	1,71	2,58	1,64	7,83	11,81	95
	2.5+2.5+5.0	1,70	1,70	3,40	2,28	6,80	8,45	0,40	1,67	2,72	1,85	7,65	12,46	95
	2.5+2.5+6.0	1,55	1,55	3,71	2,42	6,80	8,74	0,40	1,65	2,67	1,85	7,56	12,22	95
	2.5+3.5+3.5	1,79	2,51	2,51	2,27	6,80	8,30	0,40	1,70	2,72	1,85	7,79	12,46	95
	2.5+3.5+4.2	1,67	2,33	2,80	2,27	6,80	8,43	0,40	1,69	2,82	1,85	7,74	12,91	95
	2.5+3.5+5.0	1,55	2,16	3,09	2,48	6,80	8,74	0,42	1,65	2,96	1,94	7,56	13,56	95
	2.5+4.2+4.2	1,56	2,62	2,62	2,27	6,80	8,49	0,40	1,68	2,87	1,85	7,69	13,12	95
	3.5+3.5+3.5	2,27	2,27	2,27	2,38	6,80	8,59	0,40	1,68	2,96	1,81	7,69	13,56	95

Notes

1. The total capacity of each connected indoor unit is up to 11.0kW.
2. 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 kW class
Wall-mounted CTXM-M,FTXM-M series
3. Cooling capacity conditions
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
4. Editable data for this drawing are available in the GDE system.
5. For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see 3D106169.

4 Combination table

4 - 1 Combination Table

3MXM68N

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·	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
3MXM68M2V1B 3MXM68N2V1B	1,5	2,70	---	---	1,47	2,70	4,08	0,42	0,72	1,22	1,91	3,35	5,59	95
	2,0	2,72	---	---	1,48	2,72	4,09	0,43	0,73	1,28	1,95	3,39	5,64	95
	2,5	3,40	---	---	1,44	3,40	4,30	0,42	1,02	1,37	1,91	4,72	6,08	95
	3,5	4,30	---	---	1,45	4,30	4,90	0,40	1,41	1,75	1,82	6,50	7,15	95
	4,2	---	4,32	---	1,44	4,32	5,70	0,40	1,40	2,04	1,82	6,46	7,15	95
	5,0	---	5,60	---	1,66	5,60	6,90	0,39	1,82	2,59	1,78	8,43	8,70	95
	6,0	---	7,90	---	1,88	7,90	8,91	0,37	2,62	2,64	1,69	12,13	12,08	95
	1.5+1.5	2,65	2,65	---	1,65	5,30	7,38	0,36	1,19	1,83	1,63	5,45	8,38	95
	1.5+2.0	2,44	3,26	---	1,65	5,70	7,76	0,36	1,31	1,99	1,63	6,00	9,09	95
	1.5+2.5	2,29	3,81	---	1,65	6,10	7,95	0,36	1,43	2,06	1,63	6,55	9,43	95
	1.5+3.5	2,07	4,83	---	1,80	6,90	8,50	0,37	1,69	2,35	1,68	7,74	10,74	95
	1.5+4.2	1,97	5,53	---	1,80	7,50	8,85	0,37	1,90	2,57	1,68	8,70	11,75	95
	1.5+5.0	1,89	6,31	---	2,18	8,20	10,38	0,45	2,13	2,91	2,06	9,75	13,31	95
	1.5+6.0	1,72	6,88	---	2,46	8,60	10,58	0,48	2,28	2,67	2,19	10,44	12,21	95
	2.0+2.0	3,25	3,25	---	1,65	6,50	7,95	0,36	1,37	2,31	1,63	6,28	9,47	95
	2.0+2.5	3,07	3,83	---	1,65	6,90	8,12	0,36	1,52	2,32	1,63	6,96	9,81	95
	2.0+3.5	2,73	4,77	---	1,80	7,50	8,67	0,37	1,75	2,43	1,68	8,01	11,12	95
	2.0+4.2	2,58	5,42	---	1,80	8,00	9,03	0,37	1,98	2,66	1,68	9,07	12,17	95
	2.0+5.0	2,46	6,14	---	2,18	8,60	10,56	0,45	2,26	3,00	2,06	10,35	13,73	95
	2.0+6.0	2,15	6,45	---	2,46	8,60	10,75	0,48	2,24	2,74	2,19	10,26	12,55	95
	2.5+2.5	3,60	3,60	---	1,65	7,20	8,49	0,36	1,62	2,36	1,63	7,42	10,78	95
	2.5+3.5	3,29	4,61	---	1,89	7,90	9,03	0,38	1,91	2,66	1,72	8,75	12,17	95
	2.5+4.2	3,10	5,20	---	1,89	8,30	9,29	0,38	2,11	2,82	1,72	9,66	12,93	95
	2.5+5.0	2,87	5,73	---	2,27	8,60	10,68	0,46	2,24	3,09	2,11	10,26	14,15	95
	2.5+6.0	2,53	6,07	---	2,55	8,60	10,88	0,50	2,22	2,77	2,28	10,17	12,67	95
	3.5+3.5	4,30	4,30	---	2,17	8,60	9,38	0,42	2,26	2,86	1,94	10,35	13,09	95
	3.5+4.2	3,91	4,69	---	2,17	8,60	9,47	0,42	2,26	2,91	1,94	10,35	13,31	95
	3.5+5.0	3,54	5,06	---	2,56	8,60	10,90	0,51	2,22	3,13	2,32	10,17	14,32	95
	3.5+6.0	3,17	5,43	---	2,74	8,60	11,01	0,52	2,21	2,76	2,37	10,12	12,63	95
	4.2+4.2	---	4,30	4,30	2,17	8,60	9,56	0,42	2,22	2,94	1,94	10,17	13,47	95
	4.2+5.0	---	3,93	4,67	2,56	8,60	10,91	0,51	2,21	3,19	2,32	10,12	14,61	95
	4.2+6.0	---	3,54	5,06	2,74	8,60	11,02	0,51	2,20	2,79	2,32	10,07	12,76	95
	5.0+5.0	---	4,30	4,30	2,94	8,60	11,10	0,59	2,17	3,11	2,71	9,94	14,23	95
	5.0+6.0	---	3,91	4,69	3,14	8,60	11,10	0,60	2,15	2,72	2,75	9,84	12,46	95
	1.5+1.5+1.5	2,17	2,17	2,17	2,01	6,50	9,92	0,41	1,33	2,26	1,89	6,09	10,36	95
	1.5+1.5+2.0	2,07	2,07	2,76	2,01	6,90	10,10	0,41	1,46	2,34	1,89	6,69	10,69	95
	1.5+1.5+2.5	2,02	2,02	3,36	2,10	7,40	10,18	0,42	1,64	2,37	1,94	7,51	10,86	95
	1.5+1.5+3.5	1,89	1,89	4,42	2,31	8,20	10,29	0,44	1,87	2,49	2,02	8,56	11,41	95
	1.5+1.5+4.2	1,79	1,79	5,02	2,31	8,60	10,29	0,44	2,03	2,49	2,02	9,30	11,41	95
	1.5+1.5+5.0	1,61	1,61	5,38	2,71	8,60	10,46	0,55	2,01	2,57	2,50	9,20	11,75	95
	1.5+1.5+6.0	1,43	1,43	5,73	2,93	8,60	10,59	0,55	1,99	2,31	2,50	9,11	10,57	95
	1.5+2.0+2.0	2,35	3,13	3,13	2,01	8,60	10,26	0,41	2,05	2,41	1,89	9,39	11,03	95

Notes

- The total capacity of each connected indoor unit is up to ·11.0·kW.
- 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· kW class
Wall-mounted ·CTXM-M, FTXM-M· series
- Heating capacity conditions
Indoor temperature ·20·°C DB
Outdoor temperature ·7·°C DB / ·6·°C WB
- Cooling capacity conditions
Indoor temperature ·27·°C DB / ·19·°C WB
Outdoor temperature ·35·°C DB
- For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

DRAWING CONTINUES ON: 3D105384

3D105383A

4 Combination table

4 - 1 Combination Table

3MXM68N

Heating (50Hz 230V)

Outdoor unit	Indoor	Heating capacity [kW]			Total capacity [kW]			Power input [kW]			Total current [A]			Power factor
		Room ·A·	Room ·B·	Room ·C·	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
3MXM68M2V1B 3MXM68N2V1B	1.5+2.0+2.5	2,15	2,87	3,58	2,10	8,60	10,36	0,42	2,04	2,44	1,94	9,34	11,16	95
	1.5+2.0+3.5	1,84	2,46	4,30	2,31	8,60	10,45	0,44	2,02	2,58	2,02	9,25	11,79	95
	1.5+2.0+4.2	1,68	2,23	4,69	2,31	8,60	10,46	0,44	2,01	2,57	2,02	9,20	11,75	95
	1.5+2.0+5.0	1,52	2,02	5,06	2,71	8,60	10,88	0,55	2,00	2,64	2,50	9,16	12,08	95
	1.5+2.0+6.0	1,36	1,81	5,43	2,93	8,60	10,89	0,55	1,98	2,38	2,50	9,07	10,91	95
	1.5+2.5+2.5	1,98	3,31	3,31	2,20	8,60	10,47	0,45	2,03	2,44	2,06	9,30	11,16	95
	1.5+2.5+3.5	1,72	2,87	4,01	2,40	8,60	10,58	0,47	2,02	2,57	2,15	9,25	11,75	95
	1.5+2.5+4.2	1,57	2,62	4,40	2,41	8,60	10,58	0,47	2,00	2,57	2,15	9,16	11,75	95
	1.5+2.5+5.0	1,43	2,39	4,78	2,81	8,60	11,00	0,56	1,99	2,64	2,58	9,11	12,08	95
	1.5+2.5+6.0	1,29	2,15	5,16	3,02	8,60	11,00	0,57	1,97	2,38	2,62	9,02	10,91	95
	1.5+3.5+3.5	1,52	3,54	3,54	2,69	8,60	10,59	0,55	1,99	2,57	2,50	9,11	11,75	95
	1.5+3.5+4.2	1,40	3,27	3,93	2,69	8,60	10,59	0,55	1,98	2,56	2,50	9,07	11,71	95
	1.5+3.5+5.0	1,29	3,01	4,30	3,00	8,60	10,93	0,62	1,97	2,59	2,84	9,02	11,87	95
	1.5+3.5+6.0	1,17	2,74	4,69	2,93	8,60	10,93	0,55	1,96	2,37	2,50	8,98	10,86	95
	1.5+4.2+4.2	1,30	3,65	3,65	2,69	8,60	10,68	0,55	1,98	2,59	2,50	9,07	11,87	95
	1.5+4.2+5.0	1,21	3,38	4,02	3,00	8,60	10,99	0,62	1,96	2,67	2,84	8,98	12,21	95
	2.0+2.0+2.0	2,60	2,60	2,60	2,01	7,80	10,44	0,41	1,72	2,48	1,89	7,88	11,37	95
	2.0+2.0+2.5	2,52	2,52	3,15	2,10	8,20	10,52	0,42	1,83	2,52	1,94	8,38	11,54	95
	2.0+2.0+3.5	2,29	2,29	4,01	2,31	8,60	10,63	0,44	2,04	2,65	2,02	9,34	12,13	95
	2.0+2.0+4.2	2,10	2,10	4,40	2,31	8,60	10,63	0,44	2,02	2,65	2,02	9,25	12,13	95
	2.0+2.0+5.0	1,91	1,91	4,78	2,71	8,60	10,82	0,55	2,00	2,72	2,50	9,16	12,46	95
	2.0+2.0+6.0	1,72	1,72	5,16	2,93	8,60	10,95	0,55	1,99	2,46	2,50	9,11	11,24	95
	2.0+2.5+2.5	2,46	3,07	3,07	2,20	8,60	10,54	0,43	1,97	2,61	1,98	9,02	11,96	95
	2.0+2.5+3.5	2,15	2,69	3,76	2,40	8,60	10,63	0,46	2,02	2,65	2,11	9,25	12,13	95
	2.0+2.5+4.2	1,98	2,47	4,15	2,41	8,60	10,64	0,46	2,01	2,64	2,11	9,20	12,08	95
	2.0+2.5+5.0	1,81	2,26	4,53	2,81	8,60	11,06	0,56	1,98	2,75	2,58	9,07	12,59	95
	2.0+2.5+6.0	1,64	2,05	4,91	3,02	8,60	11,07	0,56	1,98	2,43	2,58	9,07	11,12	95
	2.0+3.5+3.5	1,91	3,34	3,34	2,69	8,60	10,76	0,52	2,00	2,70	2,37	9,16	12,34	95
	2.0+3.5+4.2	1,77	3,10	3,72	2,69	8,60	10,76	0,52	1,99	2,69	2,37	9,11	12,29	95
	2.0+3.5+5.0	1,64	2,87	4,10	3,00	8,60	11,11	0,58	1,98	2,82	2,67	9,07	12,88	95
	2.0+4.2+4.2	1,65	3,47	3,47	2,69	8,60	10,77	0,52	1,97	2,69	2,37	9,02	12,29	95
	2.5+2.5+2.5	2,87	2,87	2,87	2,31	8,60	10,65	0,45	1,99	2,64	2,06	9,11	12,08	95
	2.5+2.5+3.5	2,53	2,53	3,54	2,50	8,60	10,87	0,48	1,99	2,72	2,19	9,11	12,46	95
	2.5+2.5+4.2	2,34	2,34	3,93	2,50	8,60	10,88	0,48	1,97	2,72	2,19	9,02	12,46	95
	2.5+2.5+5.0	2,15	2,15	4,30	2,91	8,60	11,07	0,58	1,96	2,78	2,67	8,98	12,72	95
	2.5+2.5+6.0	1,95	1,95	4,69	3,12	8,60	11,08	0,58	1,94	2,43	2,67	8,88	11,12	95
	2.5+3.5+3.5	2,26	3,17	3,17	2,78	8,60	11,00	0,53	1,96	2,72	2,41	8,98	12,46	95
	2.5+3.5+4.2	2,11	2,95	3,54	2,79	8,60	11,01	0,53	1,96	2,71	2,41	8,98	12,42	95
	2.5+3.5+5.0	1,95	2,74	3,91	3,19	8,60	11,08	0,60	1,90	2,74	2,75	8,70	12,55	95
	2.5+4.2+4.2	1,97	3,31	3,31	2,79	8,60	11,01	0,53	1,95	2,71	2,41	8,93	12,42	95
	3.5+3.5+3.5	2,87	2,87	2,87	2,98	8,60	11,06	0,57	1,94	2,79	2,62	8,88	12,76	95

Notes

- The total capacity of each connected indoor unit is up to ·11.0·kW.
- 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· kW class
Wall-mounted ·CTXM-M, FTXM-M· series
- Heating capacity conditions
Indoor temperature ·20·°C DB
Outdoor temperature ·7·°C DB / ·6·°C WB
- Cooling capacity conditions
Indoor temperature ·27·°C DB / ·19·°C WB
Outdoor temperature ·35·°C DB
- 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



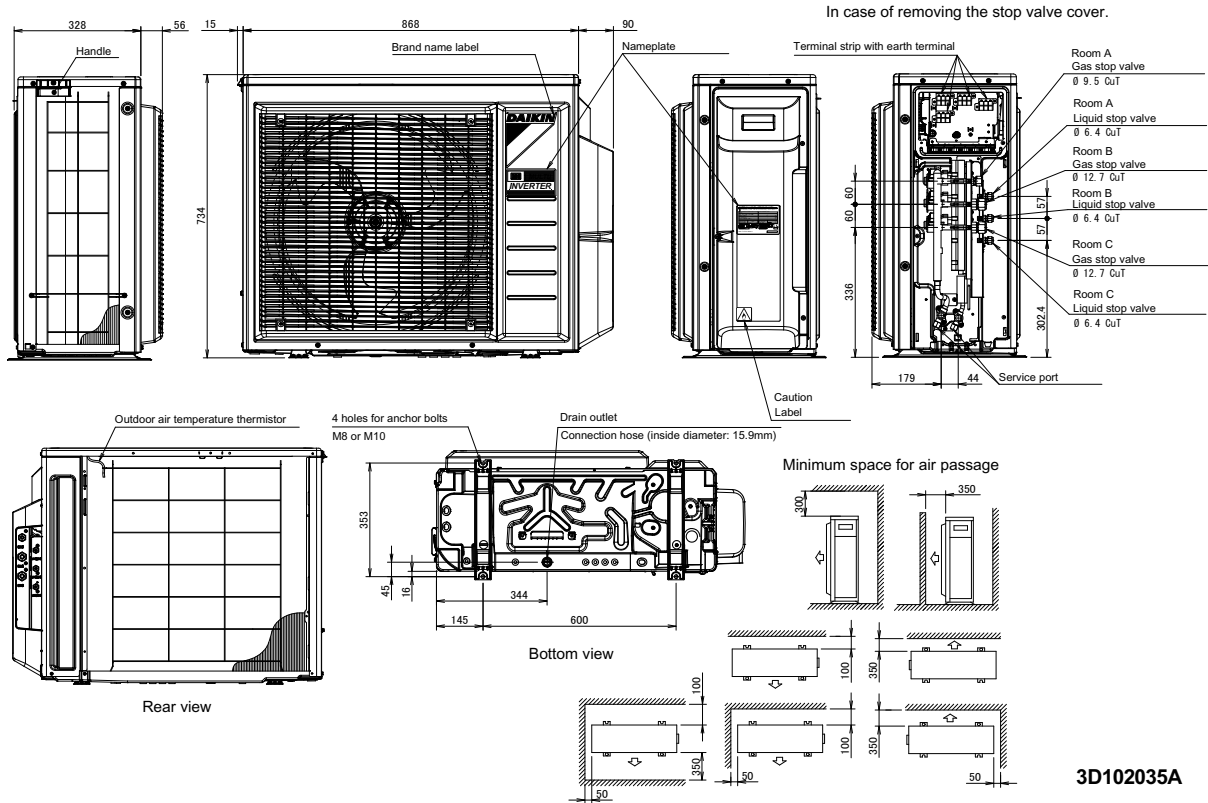
6

Dimensional drawings

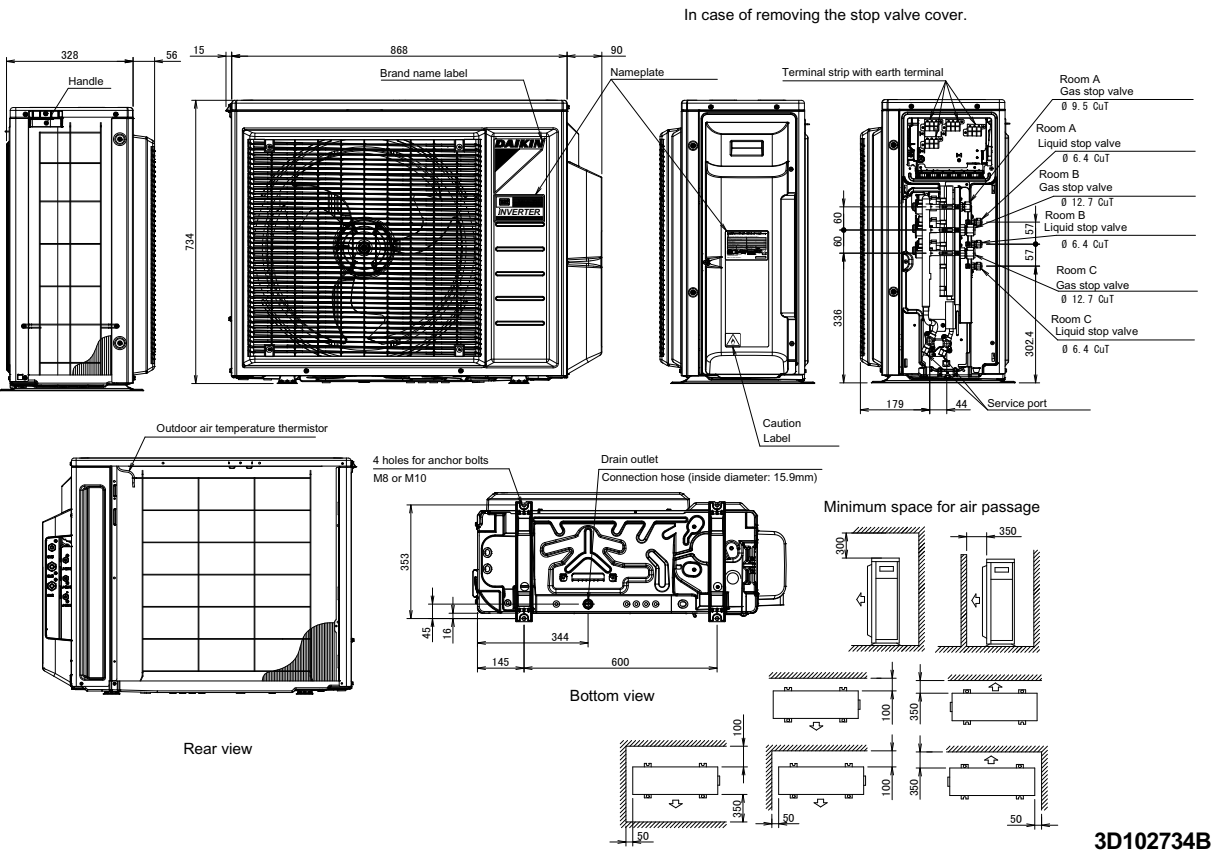
6 - 1 Dimensional Drawings

6

3MXM40-52N



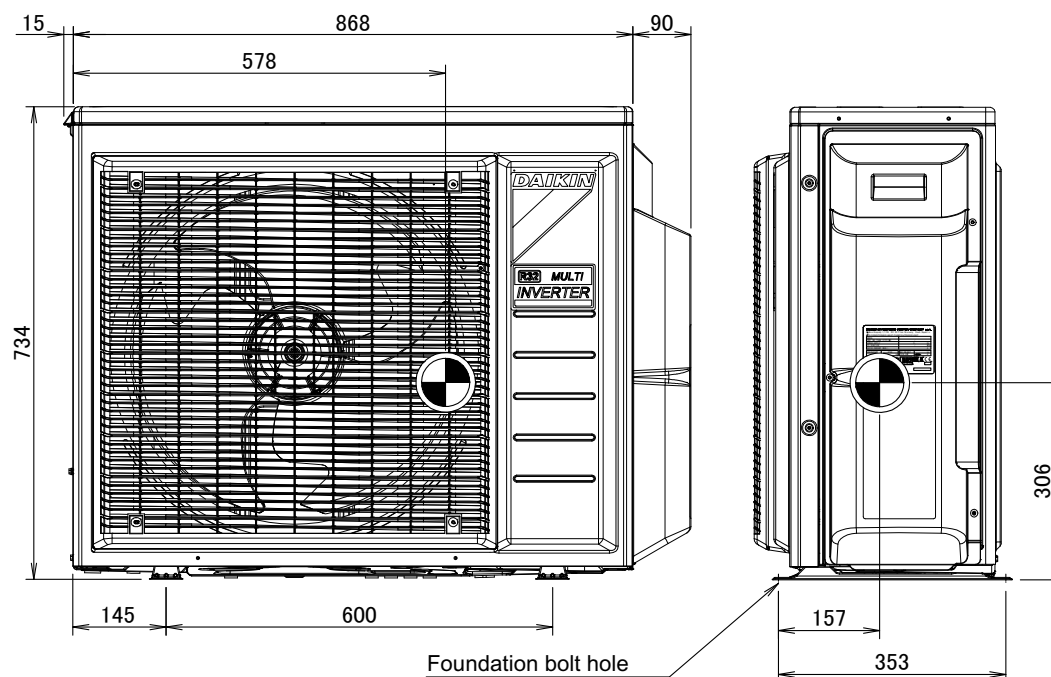
3MXM68N



7 Centre of gravity

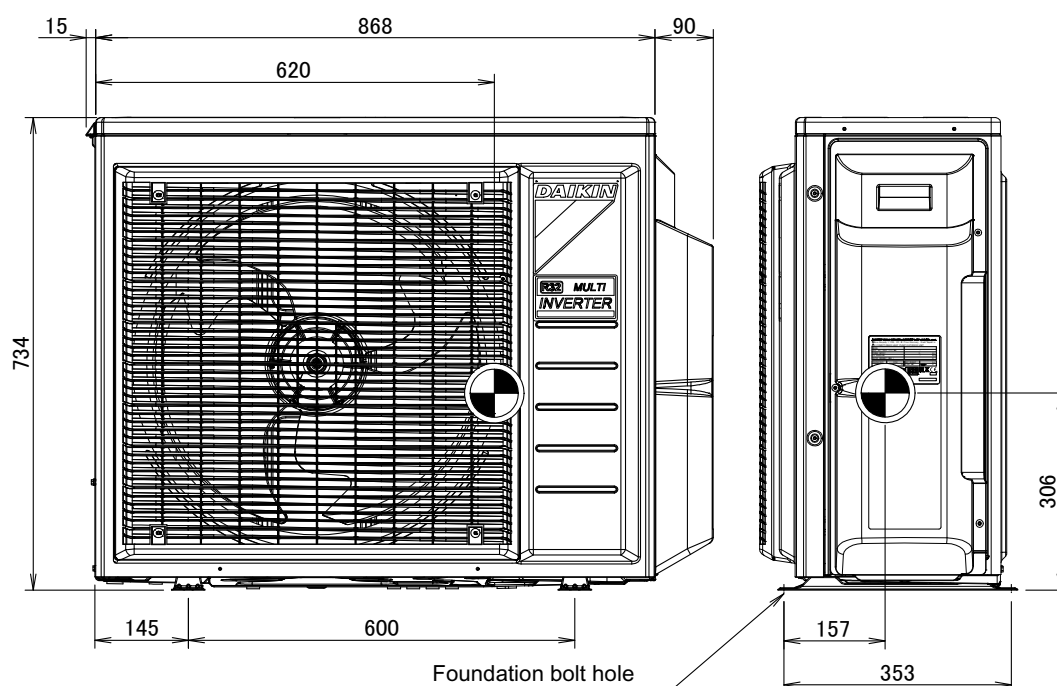
7 - 1 Centre of Gravity

3MXM40-52N



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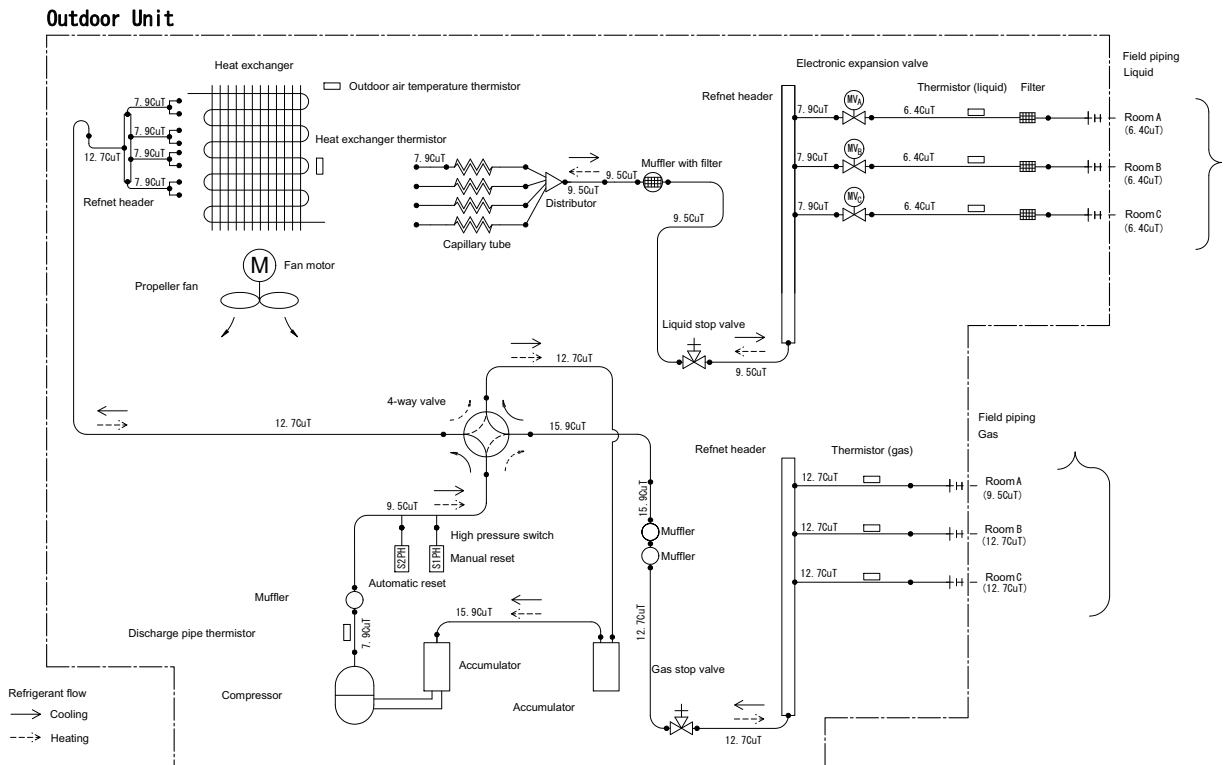


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8 Piping diagrams

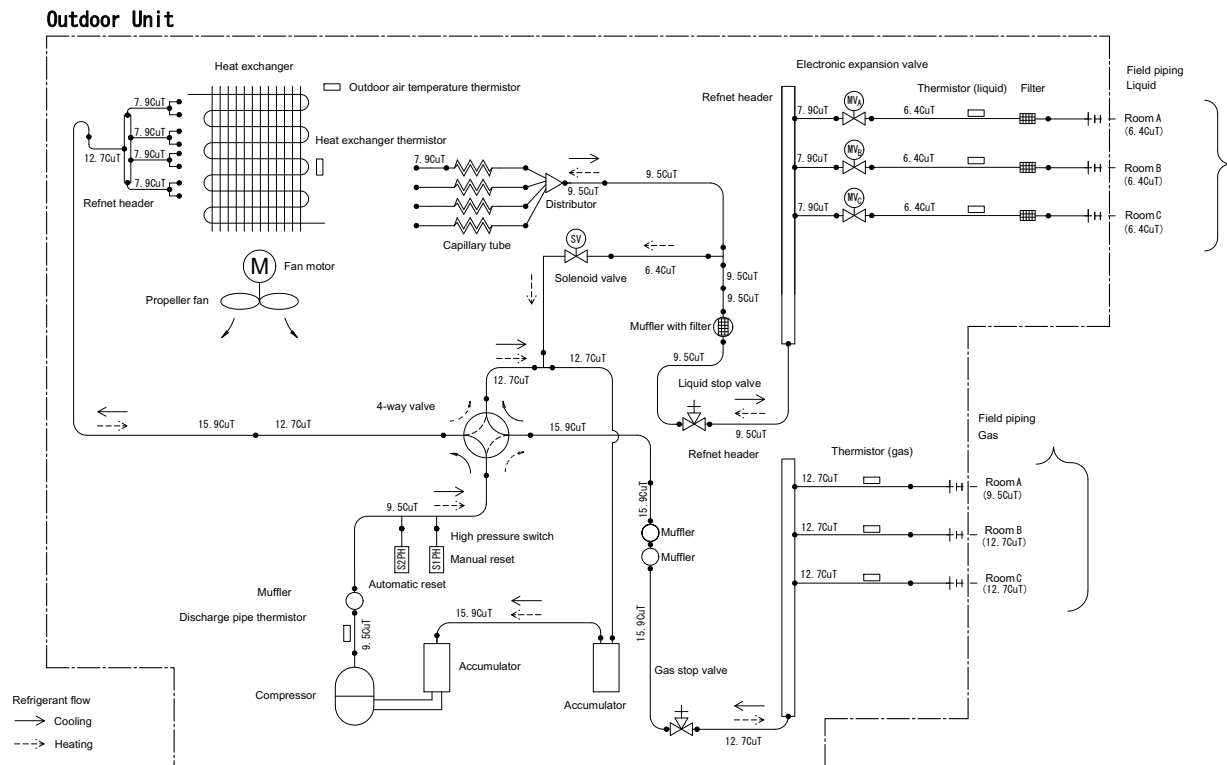
8 - 1 Piping Diagrams

3MXM40-52N



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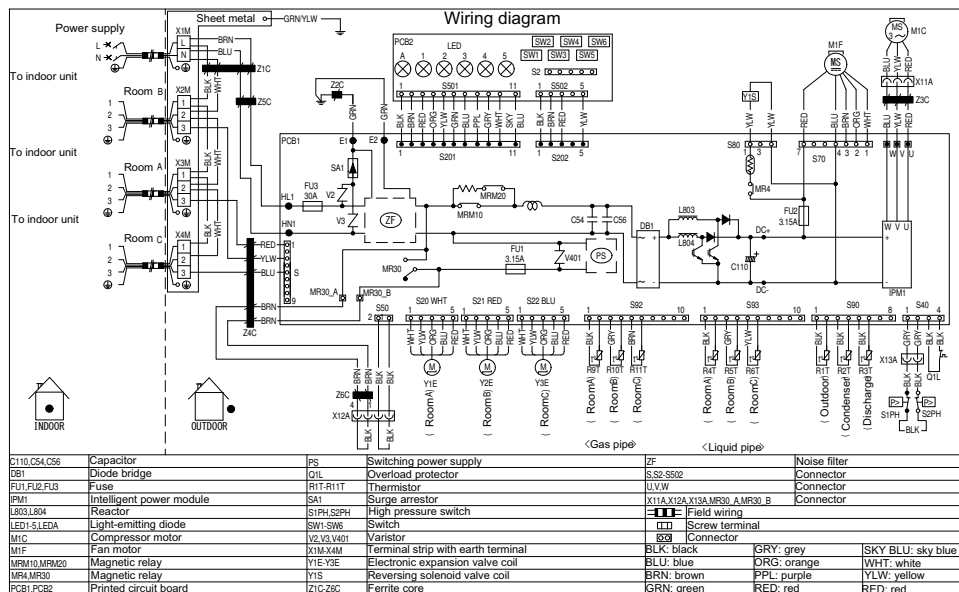


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9 Wiring diagrams

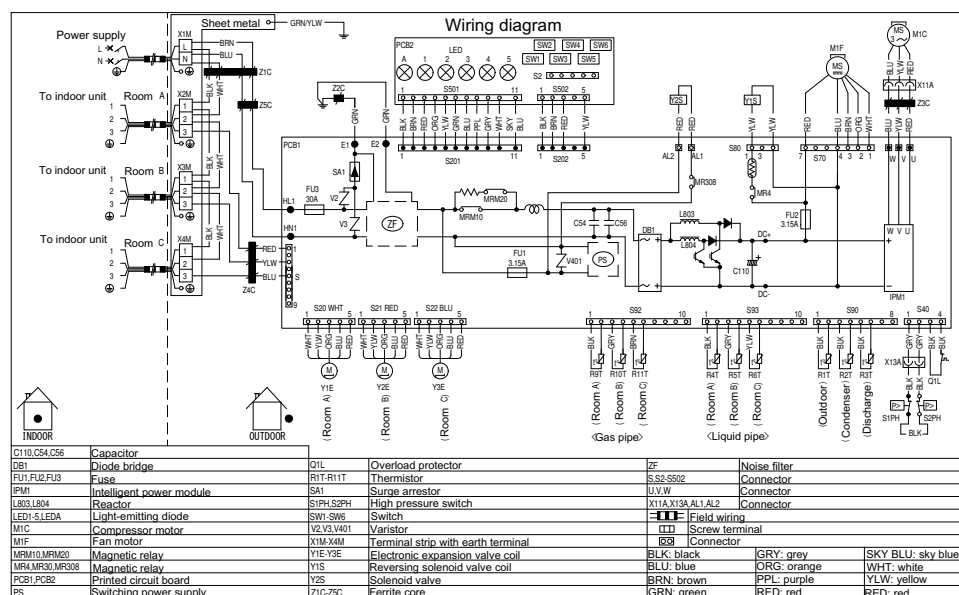
9 - 1 Wiring Diagrams - Single Phase

3MXM40-52N



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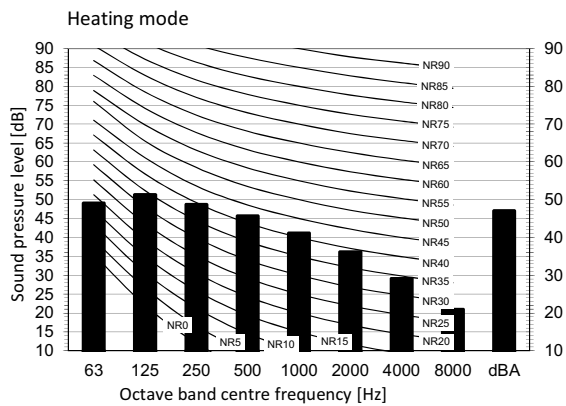
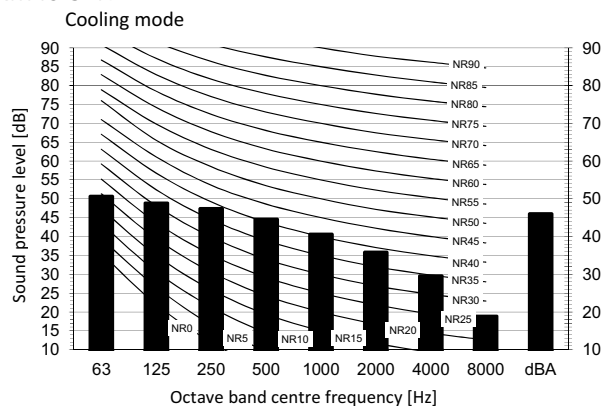


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10 Sound data

10 - 1 Sound Pressure Spectrum

3MXM40-52N



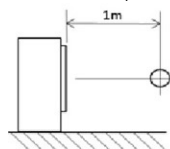
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling		Total dB
A	B	
dBA		46

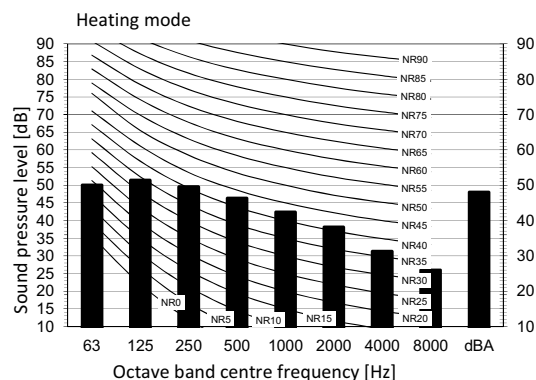
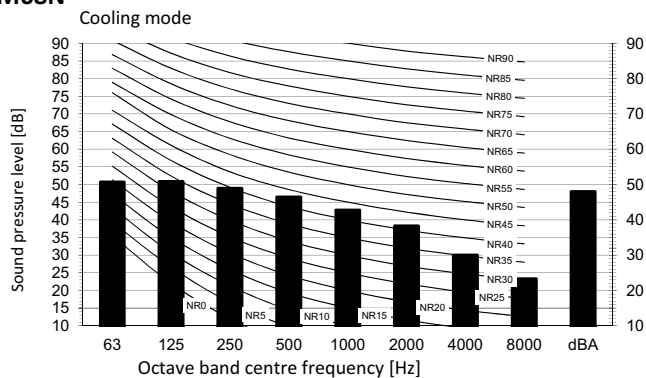
Heating		Total dB
A	B	
dBA		47

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
- 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

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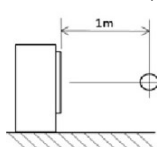
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling		Total dB
A	B	
dBA		48

Heating		Total dB
A	B	
dBA		49

Notes

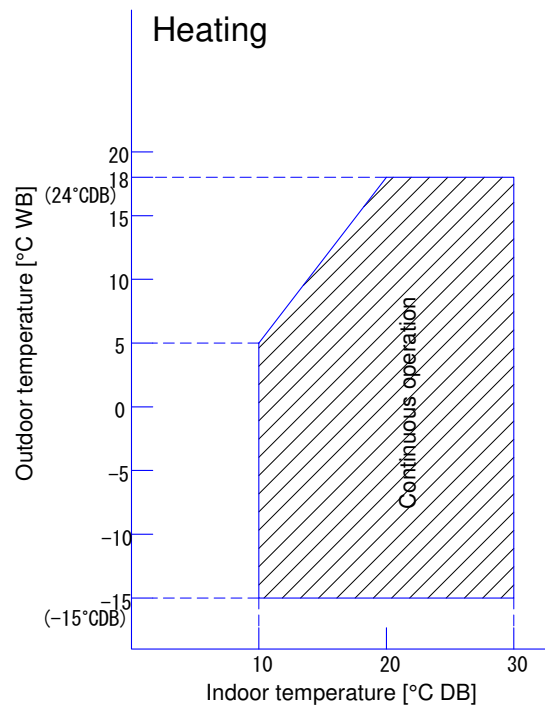
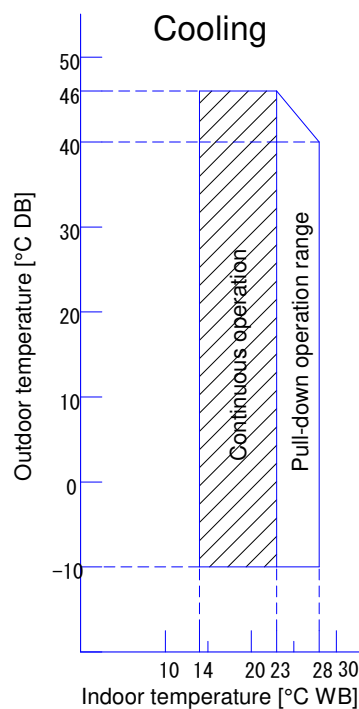
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber
- 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 kW Class

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11 Operation range

11 - 1 Operation Range

3MXM-N



Notes

The graph is based on the following conditions.

- Corresponding refrigerant piping length: 5 m
Level difference: 0 m
Air flow rate High

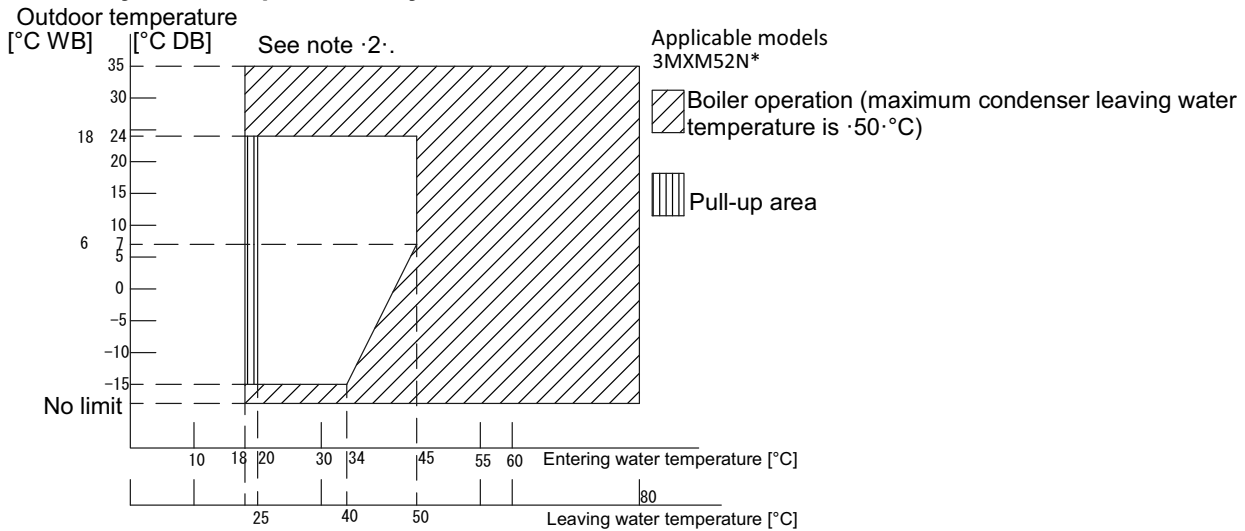
3D101376B

11 Operation range

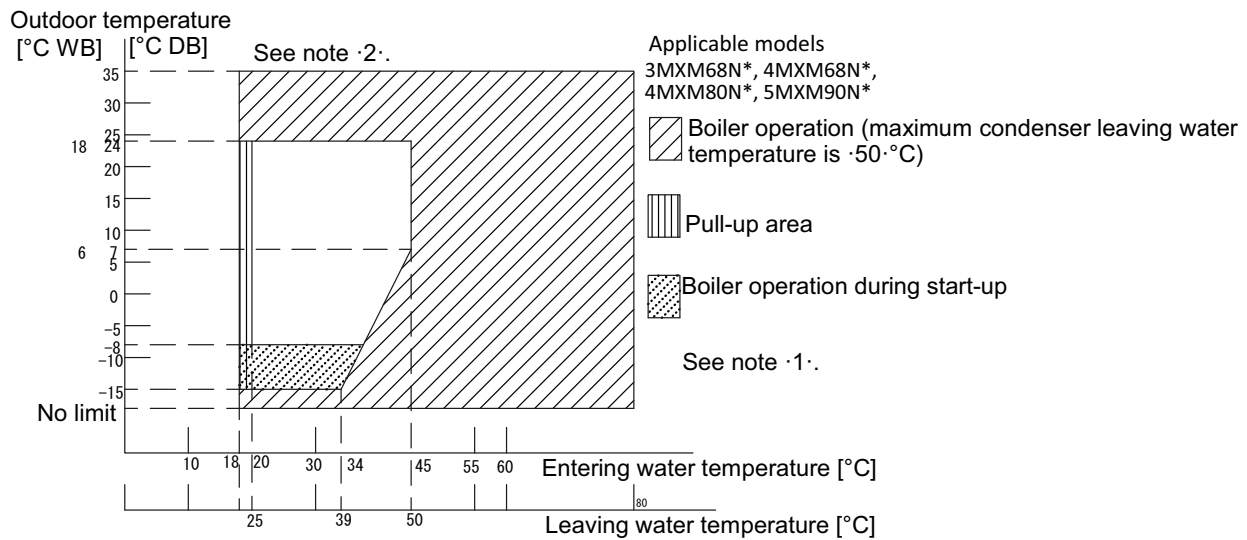
11 - 1 Operation Range

3MXM-N

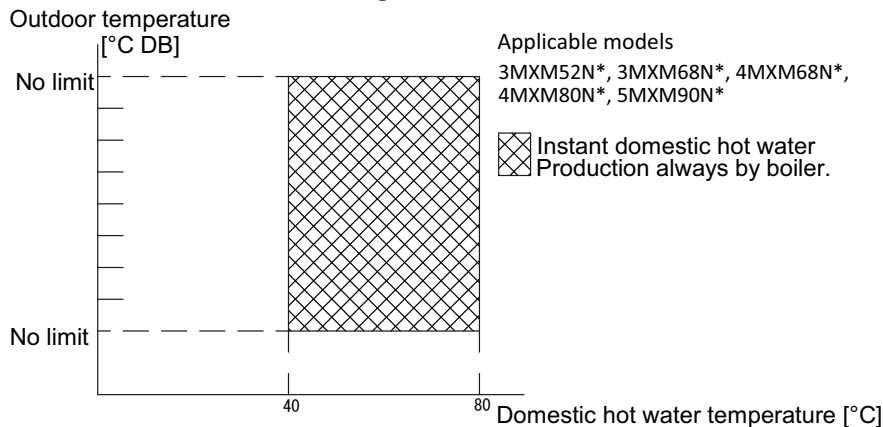
Hybrid unit operation only



Hybrid unit operation only



Domestic hot water heating mode



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.

3D109333

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