Multi model application Technical data book

3MXM-N9

3MXM40N2V1B9
3MXM52N2V1B9
3MXM68N2V1B9

EEDEN20

Table of contents

3MXM-N9

1 Features

1 - 1 3MXM-N9

› 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

1 - 1 3MXM-N9

Technical specifications					3MXM40N9	3MXM52N9	3MXM68N9
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		
Weight	Unit			kg	57.0		62.0
	Packed unit			kg	61.0		66.0
Heat exchanger	Length			mm	920		
	Rows	Quantity			2		
	Fin pitch			mm	1.40		
	Stages	Quantity			32		
	Passes	Quantity			6.4		
	Tube type				Hi-XA		
	Tube diameter			mm	8		
	Fin	Type			WHS8 FIN-HYDROPHILIC		
		Treatment			Anti-corrosion treatment		
Fan	Type				Propeller		
	Air flow rate	Cooling	High	m^3/min	42.0		46.5
				cfm	1,483		1,642
			Nom.	m^3/min	42.0		42.5
				cfm	1,483		1,501
			Silent operation	m^3/min	24.0		24.1
				cfm	847		851
		Heating	High	m^3/min	41.0		43.8
				cfm	1,447		1,547
			Nom.	m^3/min	41.0		43.8
				cfm	1,447		1,547
			Silent operation	m^3/min	24.0		24.1
				cfm	847		851
Fan motor	Quantity				1		
	Model				D55F-31		
	Output			W	55		
	Speed	Cooling	High	rpm	700		760
			Medium	rpm	700		
			Super low	rpm	420		
		Heating	High	rpm	680		720
			Super low	rpm	420		
			Medium	rpm	680		720
Compressor	Quantity				1		
	Model				2YC40JXD#C		2YC71DXD#C
	Oil Amount			cm^3	650		900
	Type				Hermetically sealed swing compressor		
	Output			W	1,300		2,400
	Oil Type				FW68DA		
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CDB	-15		
			Max.	°CDB	24		
Sound power level	Cooling			dBA	59.0		61.0
	Heating			dBA	59.0		61.0
Sound pressure level	Cooling	Nom.		dBA	46.0		48.0
Refrigerant	Type				R-32		
	Charge			kg	1.80		2.00
	Charge			TCO2Eq	1.22		1.35
	GWP				675.0		

2 Specifications

1 - 1 3MXM-N9

Technical specifications					3MXM40N9	3MXM52N9	3MXM68N9
Piping connections	Liquid	Quantity			3		
		OD		mm	6,35		
	Gas	Quantity			1		
		OD		mm	9.50		
	Drain	Quantity			1		
		OD		mm	16		
	Gas 2	Quantity			2		
		OD		mm	12.70		
	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	15.0		
		IU - IU		m	7.5		
	Total piping length	System	Actual	m	50		
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				3MXM40N9	3MXM52N9	3MXM68N9
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 |
See separate drawing for operation range |
See separate drawing for electrical data |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

2MXM68N / 3MXM-N9 / 3AMXM-N9 / 3AMXF-A9 / 3MXF-A9 / 4MXM-N9 / 5MXM-N9

Outdoor unit	Power supply			·RA· indoor units (·10·% safety factor) See note ·5·.		·RA· indoor units (·10·% safety factor) See note ·5·.		COMP		OFM	
Model name	Hz	Voltage	Voltage range	MCA	MFA	MCA	MFA	RHz	RLA	kW	FLA
2MXM68N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,94	20	19,80	20	-	7,8	0,056	0,37
	50	230							7,5		
	50	240							8,7		
3MXM40N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,31	16	15,97	16	-	2,9	0,056	0,37
	50	230							3,0		
	50	240							3,1		
3MXM52N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240							4,9		
3MXM68N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,19	20	19,81	20	-	8,0	0,056	0,37
	50	230							8,4		
	50	240							8,7		
4MXM68N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,36	20	19,81	20	-	7,0	0,056	0,37
	50	230							7,3		
	50	240							7,6		
4MXM80N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,04	25	20,36	25	-	8,5	0,075	0,50
	50	230							8,9		
	50	240							9,3		
5MXM90N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	21,70	32	25,88	32	-	9,2	0,075	0,50
	50	230							9,6		
	50	240							10,0		
3AMXM52N2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	18,19	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240							4,9		
3MXF52A2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240							4,9		
3AMXF52A2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,59	20	16,27	20	-	4,5	0,056	0,37
	50	230							4,7		
	50	240							4,9		
3MXF68A2V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,19	20	19,81	20	-	8,0	0,056	0,37
	50	230							8,4		
	50	240							8,7		

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.

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]

3D129421A

4 Combination table

4 - 1 Combination Table

3MXM40N9

4

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 3MXM40N2V1B9	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]			
		Room	Room	Room	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
3MXM40M2V1B 3MXM40M3V1B 3MXM40N2V1B 3MXM40N2V1B9	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

1. The total capacity of each connected indoor unit is up to ·7.0·kW.
2. The values above are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5· kW class
   Wall-mounted ·FTXM-M, FTXM-N, FTXM-R, CTXM-M, CTXM-N, CTXM-R· series
3. Heating capacity conditions
   Indoor temperature ·20·°C DB
   Outdoor temperature ·7·°C DB / ·6·°C WB
4. Cooling capacity conditions
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
5. For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

3D105370C

4 Combination table

4 - 1 Combination Table

3MXM52N9

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.	
	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	10,41	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
3MXM52N2V1B 3MXM52N2V1B9	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

1. The total capacity of each connected indoor unit is up to ·9.0·kW.
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· kW class
   Wall-mounted ·CTXM-M, CTXM-N, CTXM-R, FTXM-M, FTXM-N, FTXM-R· series
3. Cooling capacity conditions
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
4. For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

3D105371A

4 Combination table

4 - 1 Combination Table

3MXM52N9

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	Nomina	Maximu	Minimu	Nomina	Maximu	
3MXM52M2V1B 3MXM52N2V1B 3MXM52N2V1B9	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

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

3D105372D

4 Combination table

4 - 1 Combination Table

3MXM68N9

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.	
3MXM68N2V1B 3MXM68N2V1B9	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	0,55	0,82	2,00	2,62	3,77	95
	3,5	3,50	---	---	1,93	3,50	4,86	0,46	0,80	1,43	2,09	3,84	6,53	95
	4,2	---	---	4,20	1,93	4,20	5,33	0,46	0,82	1,44	2,09	3,93	6,57	95
	5,0	---	---	5,00	1,94	5,00	6,03	0,44	1,50	2,13	2,00	7,20	9,77	95
	6,0	---	---	6,00	1,94	6,00	6,51	0,44	1,52	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	0,60	1,15	1,81	2,75	5,25	95
	1.5+2.0	1,50	2,00	---	1,95	3,50	4,96	0,40	0,74	1,22	1,81	3,38	5,58	95
	1.5+2.5	1,50	2,50	---	1,95	4,00	5,28	0,40	0,89	1,36	1,81	4,08	6,23	95
	1.5+3.5	1,50	3,50	---	1,95	5,00	6,17	0,39	1,24	1,83	1,77	5,68	8,39	95
	1.5+4.2	1,50	4,20	---	1,95	5,70	6,39	0,39	1,51	1,96	1,77	6,90	8,96	95
	1.5+5.0	1,50	5,00	---	1,95	6,50	7,08	0,38	1,78	2,23	1,73	8,14	10,22	95
	1.5+6.0	1,36	5,44	---	1,96	6,80	7,59	0,37	1,93	2,36	1,68	8,82	10,79	95
	2.0+2.0	2,00	2,00	---	1,95	4,00	5,12	0,40	0,89	1,29	1,81	4,08	5,91	95
	2.0+2.5	2,00	2,50	---	1,95	4,50	5,44	0,40	1,06	1,43	1,81	4,86	6,56	95
	2.0+3.5	2,00	3,50	---	1,95	5,50	6,30	0,39	1,39	1,91	1,77	6,38	8,76	95
	2.0+4.2	2,00	4,20	---	1,95	6,20	6,51	0,39	1,70	2,05	1,77	7,77	9,37	95
	2.0+5.0	1,94	4,86	---	1,95	6,80	7,26	0,38	1,90	2,36	1,73	8,68	10,79	95
	2.0+6.0	1,70	5,10	---	1,96	6,80	7,71	0,37	1,92	2,45	1,68	8,78	11,20	95
	2.5+2.5	2,50	2,50	---	1,95	5,00	6,10	0,41	1,20	1,78	1,89	5,51	8,15	95
	2.5+3.5	2,50	3,50	---	1,95	6,00	6,57	0,40	1,54	2,11	1,81	7,03	9,65	95
	2.5+4.2	2,50	4,20	---	1,95	6,70	6,95	0,40	1,79	2,38	1,81	8,21	10,88	95
	2.5+5.0	2,27	4,53	---	1,95	6,80	7,37	0,37	1,78	2,45	1,68	8,15	11,20	95
	2.5+6.0	2,00	4,80	---	1,96	6,80	7,71	0,35	1,76	2,45	1,60	8,06	11,20	95
	3.5+3.5	3,40	3,40	---	1,95	6,80	7,13	0,38	1,73	2,37	1,73	7,90	10,83	95
	3.5+4.2	3,09	3,71	---	1,95	6,80	7,24	0,38	1,72	2,46	1,73	7,87	11,24	95
	3.5+5.0	2,80	4,00	---	1,95	6,80	7,76	0,35	1,68	2,78	1,60	7,71	12,71	95
	3.5+6.0	2,51	4,29	---	2,26	6,80	8,07	0,40	1,67	2,72	1,81	7,63	12,46	95
	4.2+4.2	---	3,40	3,40	1,95	6,80	7,14	0,38	1,71	2,37	1,73	7,84	10,83	95
	4.2+5.0	---	3,10	3,70	1,95	6,80	7,77	0,35	1,68	2,78	1,60	7,68	12,71	95
	4.2+6.0	---	2,80	4,00	2,26	6,80	8,08	0,40	1,66	2,72	1,81	7,60	12,46	95
	5.0+5.0	---	3,40	3,40	2,34	6,80	8,22	0,43	1,64	2,98	1,98	7,52	13,65	95
	5.0+6.0	---	3,09	3,71	2,47	6,80	8,45	0,44	1,63	2,92	2,02	7,44	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

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

3D105381A

4 Combination table

4 - 1 Combination Table

3MXM68N9

4

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.	
3MXM68N2V1B 3MXM68N2V1B9	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 ·11.0·kW.
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, CTXM-N, CTXM-R, FTXM-M, FTXM-N, FTXM-R· series
3. Cooling capacity conditions
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
4. For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

3D105382A

4 Combination table

4 - 1 Combination Table

3MXM68N9

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 3MXM68N2V1B9	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

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

3D105383C

4 Combination table

4 - 1 Combination Table

3MXM68N9

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 3MXM68N2V1B9	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

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

3D105384C

4 Combination table

4 - 1 Combination Table

3MXM-N9

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.

Combination of Hybrid for Multi and air conditioner indoor units

If the air conditioning indoor units are of the cooling-only type (and heating is provided by the Hybrid for Multi only), then the heating capacity equals the Hybrid for Multi capacity index.

If the Hybrid for Multi and the air conditioner indoor units both provide heating, then calculate the heating capacity by making the sum of the Hybrid for Multi capacity index and the capacity classes of the air conditioner indoor units.

Caution: Failure to include the capacity classes of the air conditioner indoor units in the calculation will result in capacity shortage, and may result in cold draft issues and/or a shortage of refrigerant in the system.

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) A ROOM	B ROOM	C ROOM	TOTAL CAPACITY (Kw) Min.	Nom.	Max.	POWER INPUT COOLING (kW) Min.	Nom.	Max.	TOTAL CURRENT (A) Min.	Nom.	Max.	POWER FACTOR (%)
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

Example

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

In case of cooling-only air conditioner indoor units

Operating state	System Capacity
Heating mode	·5.0·kW class Hybrid for Multi
Cooling mode	·2.5·kW class indoor unit + ·3.5·kW class indoor unit

Performance characteristics

①	②	Indoor air temperature [°C WB] 14°C TC	14°C PI	16°C TC	16°C PI	18°C TC	18°C PI	19°C TC	19°C PI	22°C TC	22°C PI	24°C TC	24°C PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
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

1. 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.
2. The DHW generator for Multi and Hybrid for Multi cannot be used as standalone units.
3. The system can only contain either the DHW generator for Multi or the Hybrid for Multi.
4. The system can only contain one DHW generator for Multi or Hybrid for Multi.
5. The Hybrid for Multi can only be combined with ·3MXM52/68N2V1B, 4MXM68/80N2V1B, 5MXM90N2V1B· outdoor units.
6. 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.
7. 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.

3D106169D

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:

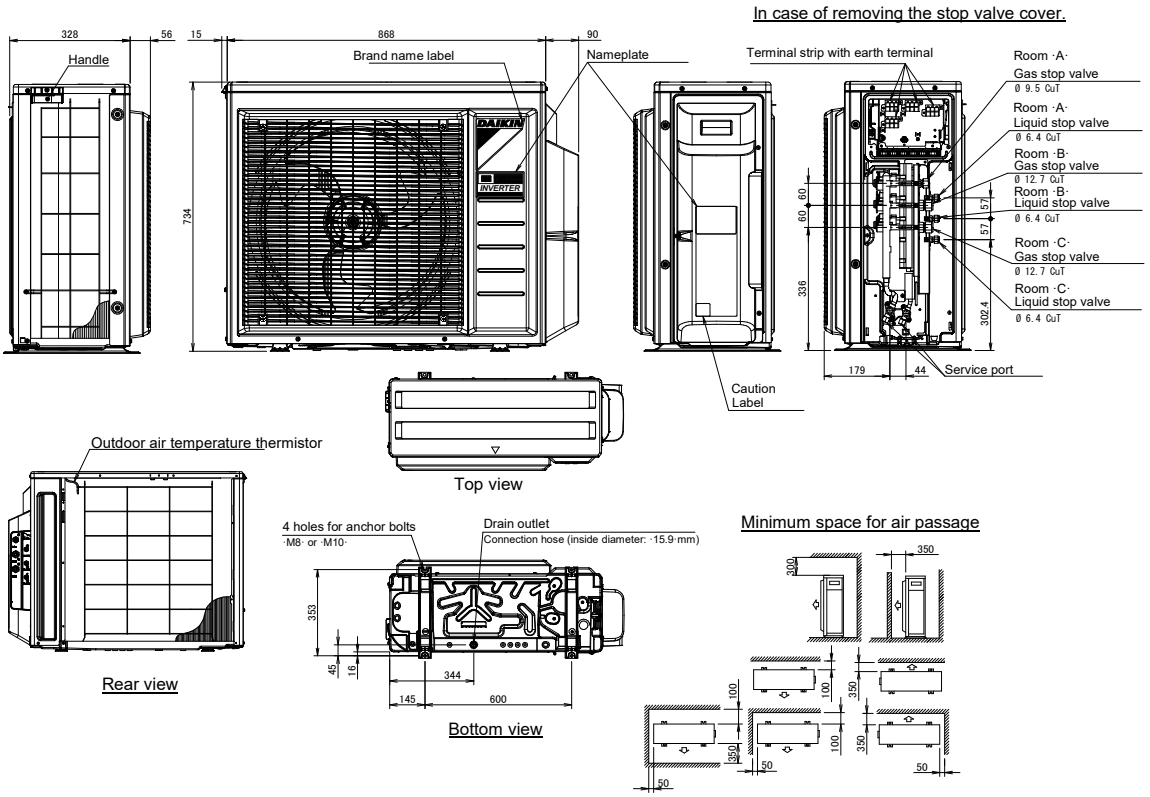
- **Capacity table database:** lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here:
  https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html

- 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

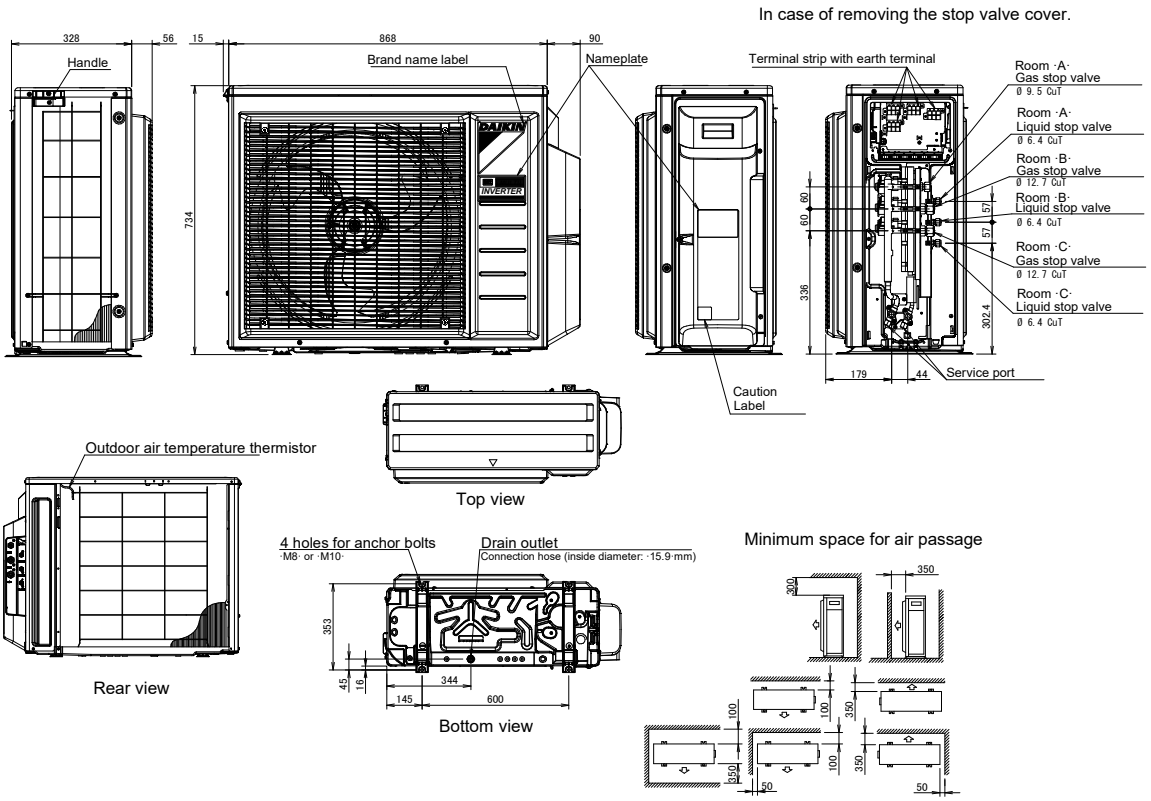
6 - 1 Dimensional Drawings

3MXM40-52N9



3D102035B

3MXM68N9

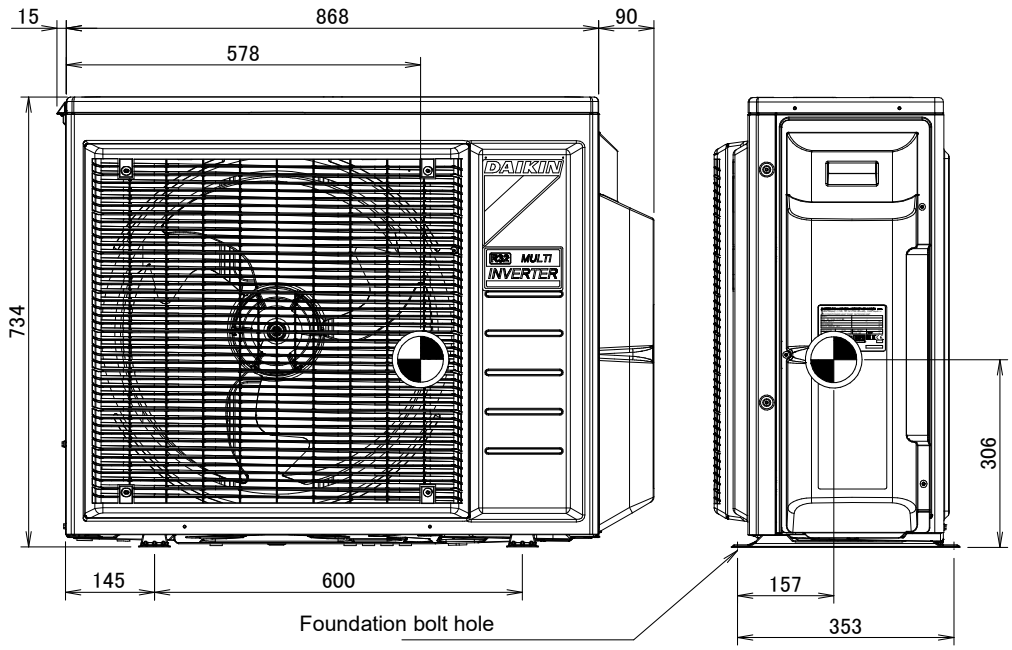


3D102734C

7 Centre of gravity

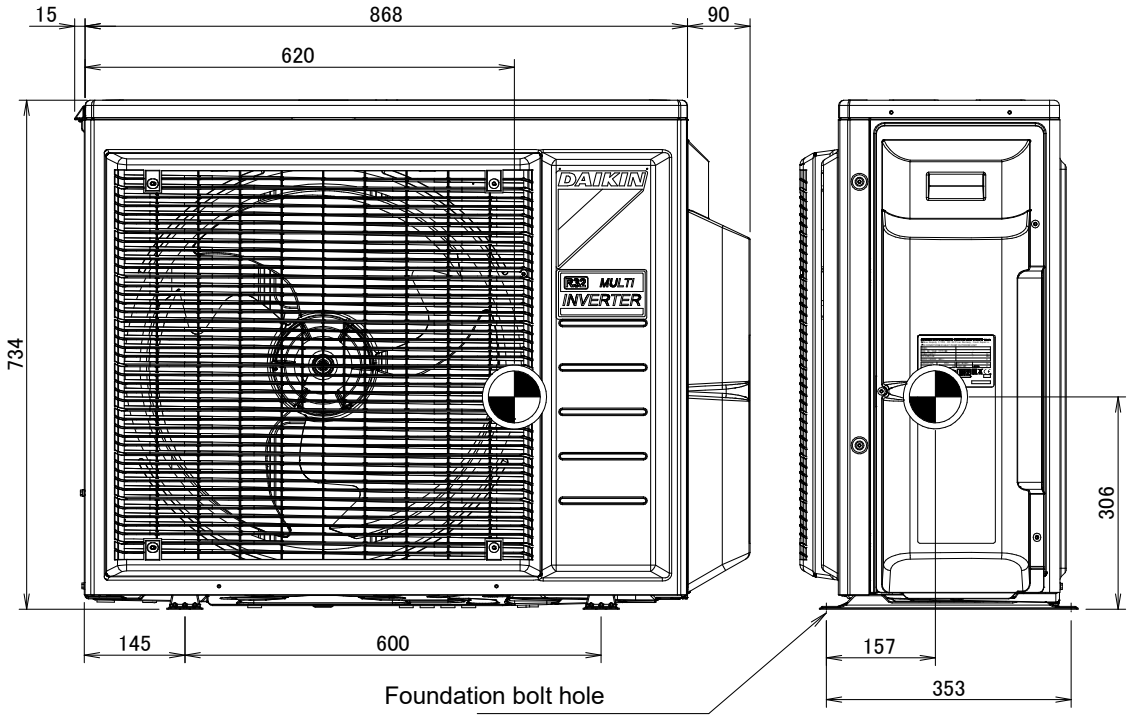
7 - 1 Centre of Gravity

3MXM40-52N9



4D102202B

3MXM68N9

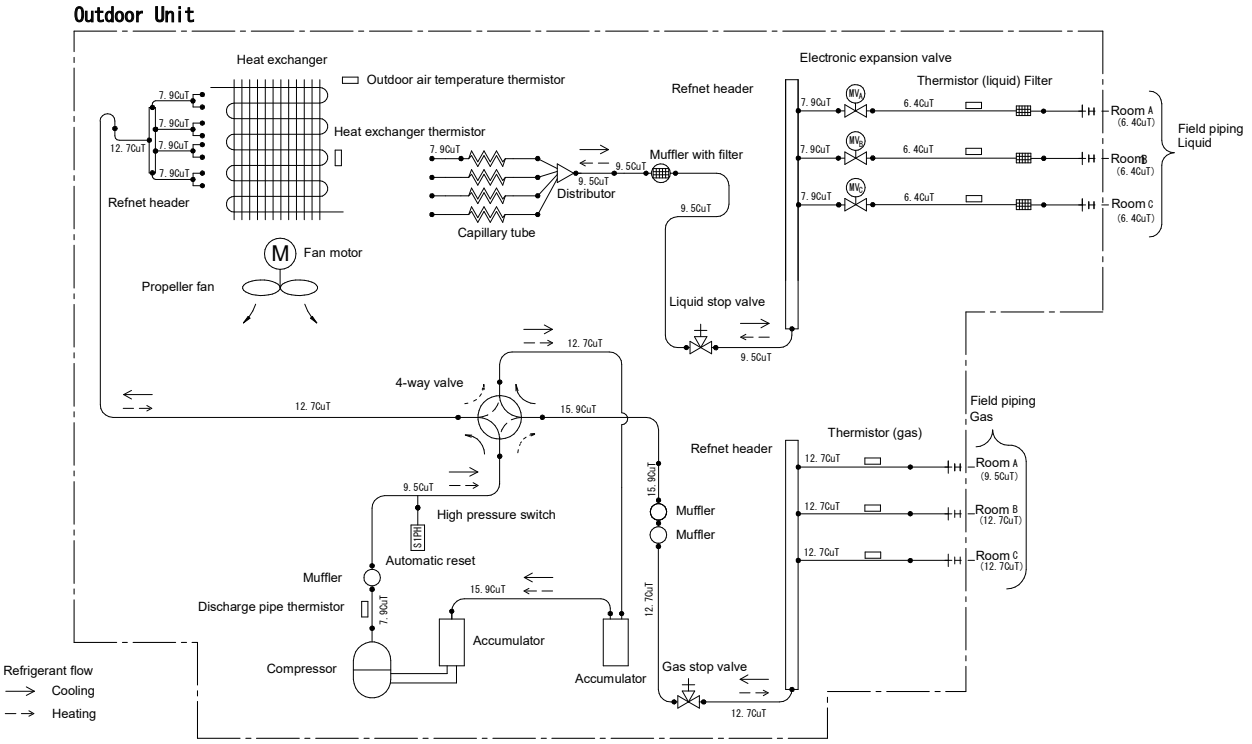


4D102822B

8 Piping diagrams

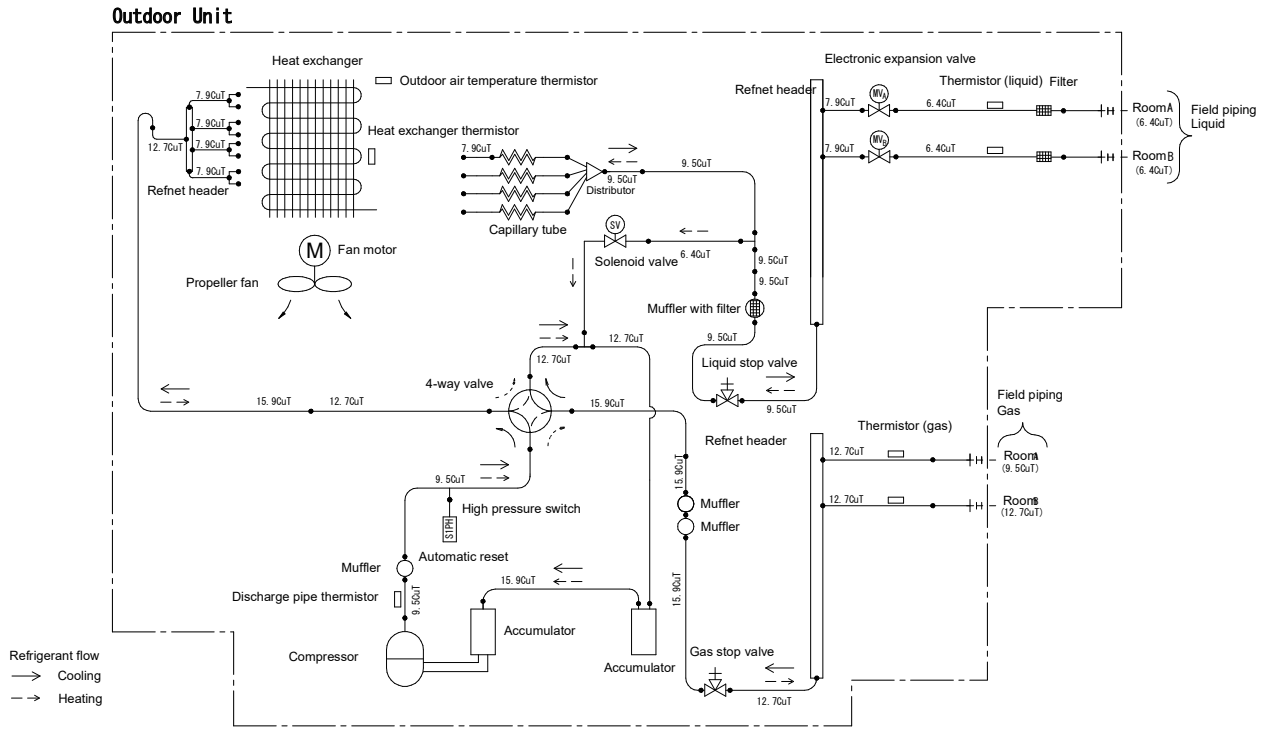
8 - 1 Piping Diagrams

3MXM40-52N9



3D097989C

3MXM68N9

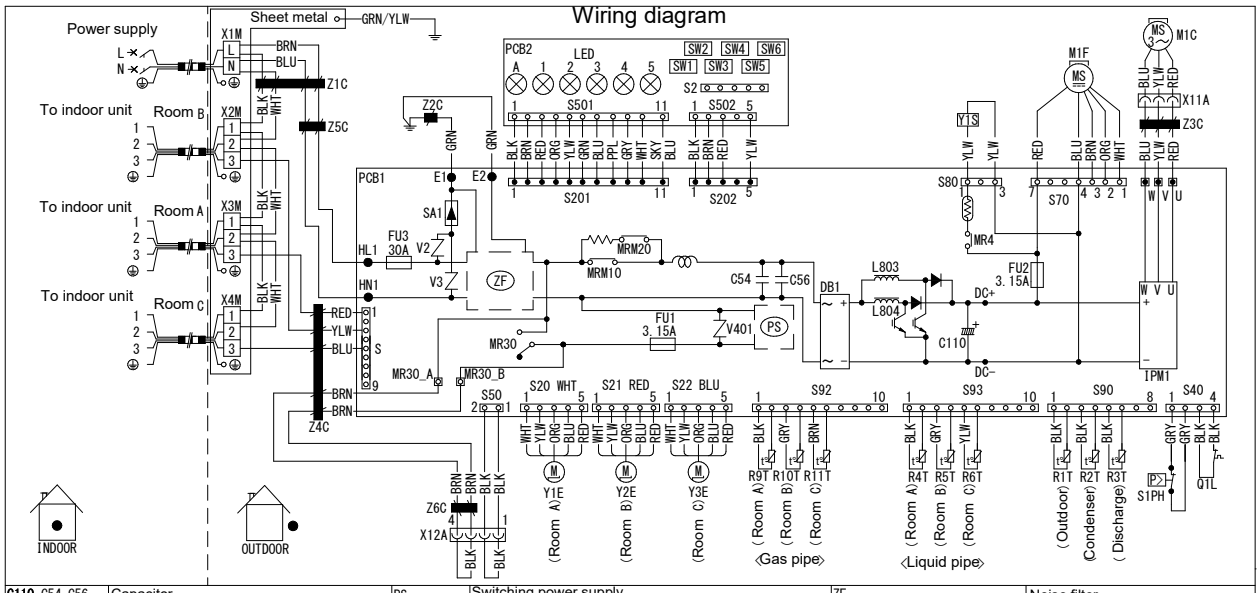


3D100777D

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

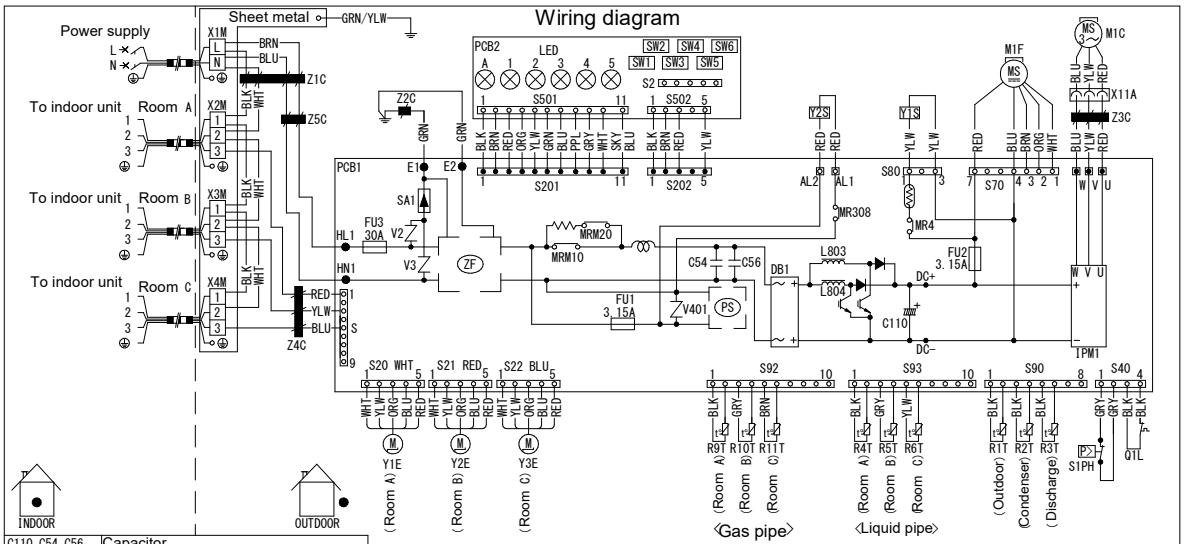
3MXM40-52N9



C110, C54, C56	Capacitor	PS	Switching power supply	ZF	Noise filter	
DB1	Diode bridge	Q1L	Overload protector	S, S2–S502	Connector	
FU1, FU2, FU3	Fuse	R1T–R11T	Thermistor	U, V, W	Connector	
IPM1	Intelligent power module	SA1	Surge arrester	X11A, X12A, MR30_A, MR30_B	Connector	
L803, L804	Reactor	S1PH	High pressure switch	Field wiring		
LED1–5, LEDA	Light-emitting diode	SW1–SW6	Switch	Screw terminal		
M1C	Compressor motor	V2, V3, V401	Varistor	Connector		
M1F	Fan motor	X1M–X4M	Terminal strip with earth terminal	BLK: black	GRY: grey	SKY BLU: sky blue
MRM10, MRM20	Magnetic relay	Y1E–Y3E	Electronic expansion valve coil	BLU: blue	ORG: orange	WHT: white
MR4, MR30	Magnetic relay	Y1S	Reversing solenoid valve coil	BRN: brown	PPL: purple	YLW: yellow
PCB1, PCB2	Printed circuit board	Z1C–Z6C	Ferrite core	GRN: green	RED: red	3D106247-1B

3D106247B

3MXM68N9



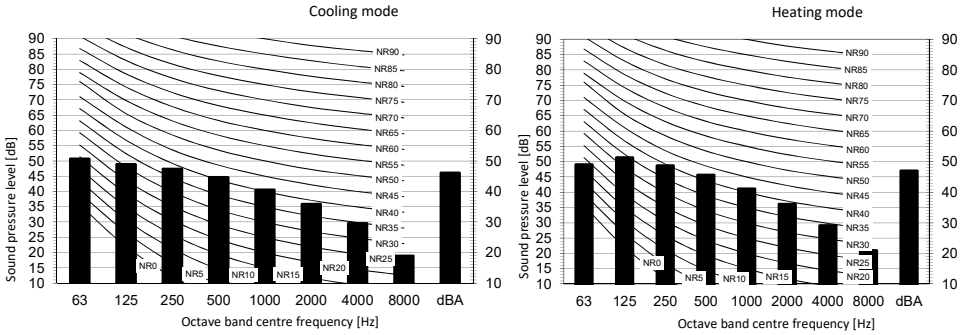
C110, C54, C56	Capacitor					
DB1	Diode bridge	Q1L	Overload protector	ZF	Noise filter	
FU1, FU2, FU3	Fuse	R1T–R11T	Thermistor	S, S2–S502	Connector	
IPM1	Intelligent power module	SA1	Surge arrester	U, V, W	Connector	
L803, L804	Reactor	S1PH	High pressure switch	X11A, AL1, AL2	Connector	
LED1–5, LEDA	Light-emitting diode	SW1–SW6	Switch	Field wiring		
M1C	Compressor motor	V2, V3, V401	Varistor	Screw terminal		
M1F	Fan motor	X1M–X4M	Terminal strip with earth terminal	Connector		
MRM10, MRM20	Magnetic relay	Y1E–Y3E	Electronic expansion valve coil	BLK: black	GRY: grey	SKY BLU: sky blue
MR4, MR308	Magnetic relay	Y1S	Reversing solenoid valve coil	BLU: blue	ORG: orange	WHT: white
PCB1, PCB2	Printed circuit board	Y2S	Solenoid valve	BRN: brown	PPL: purple	YLW: yellow
PS	Switching power supply	Z1C–Z5C	Ferrite core	GRN: green	RED: red	3D106248-1B

3D106248B

10 Sound data

10 - 1 Sound Pressure Spectrum

3MXM40-52N9



Legend

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

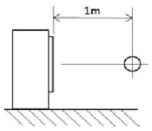
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	46

Heating	Total dB
A	B
dBA	47

Location of microphone



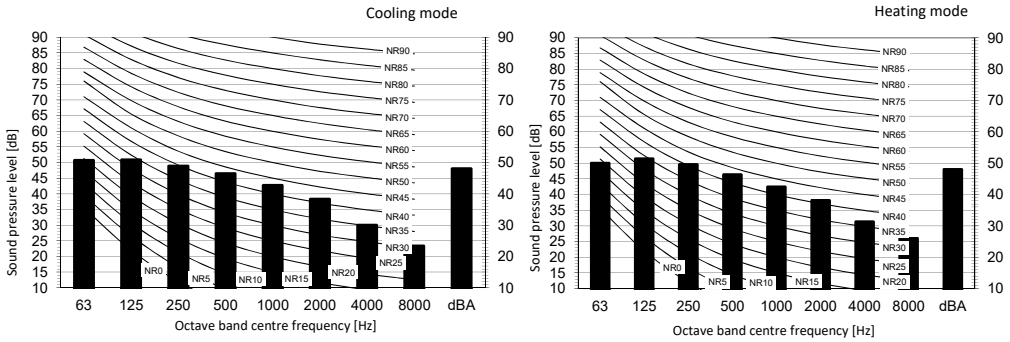
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber
6. The values above are for connecting with the following indoor unit types:

   1.5, 2.0, 2.5, 3.5, kW Class

3D106222B

3MXM68N9



Legend

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

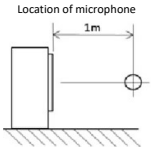
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	49

Location of microphone



Notes

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

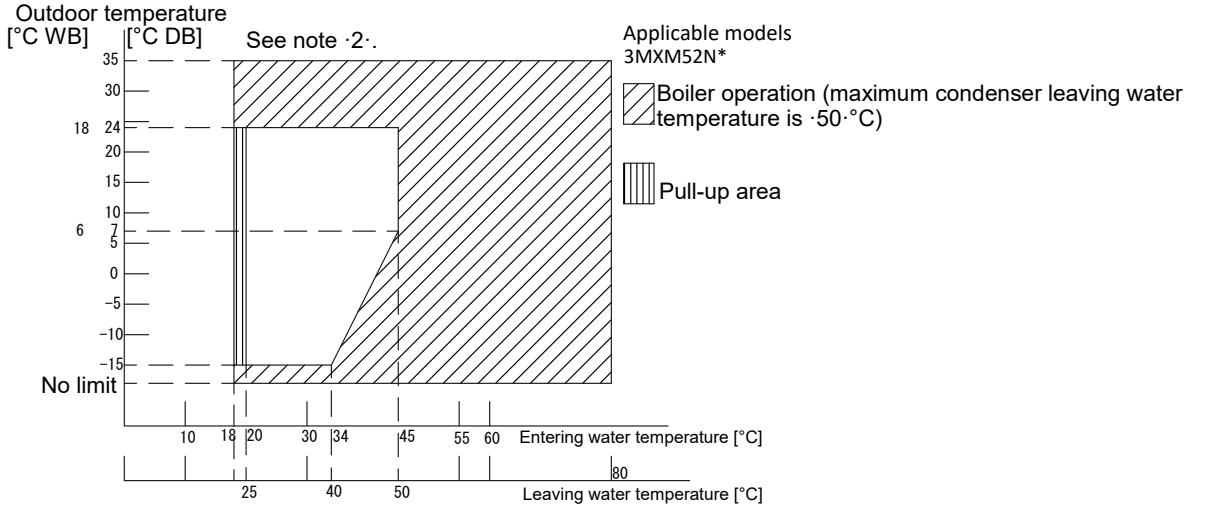
3D106223B

11 Operation range

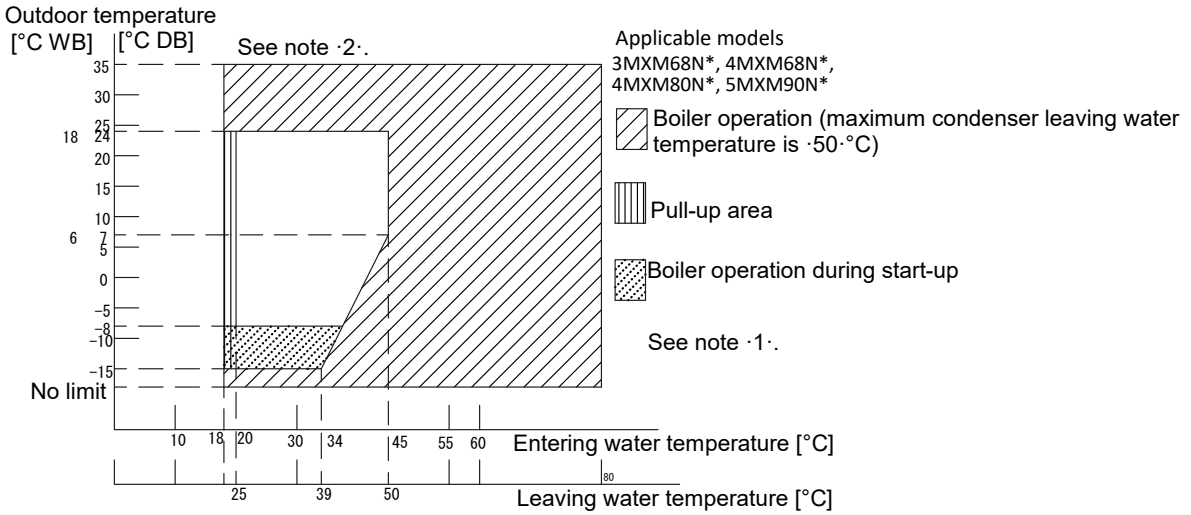
11 - 1 Operation Range

3MXM52N9
3MXM68N9

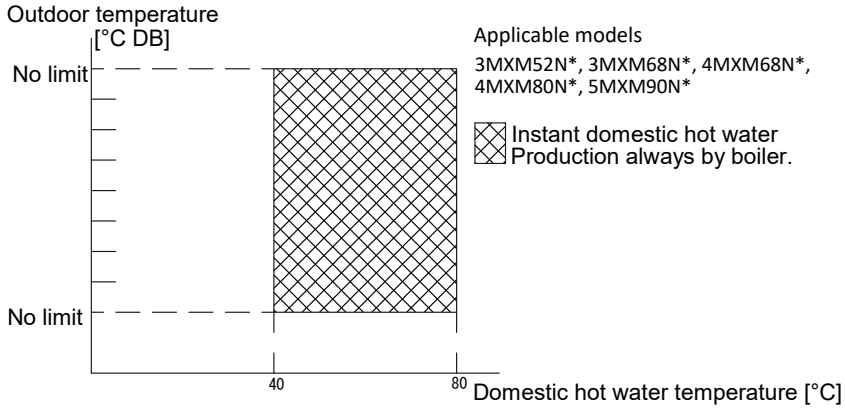
Hybrid unit operation only



Hybrid unit operation only



Domestic hot water heating mode



Notes

1. When the heat pump is operating and the ambient temperature drops below ·-8·°C, then the heat pump will keep operating.
2. 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.

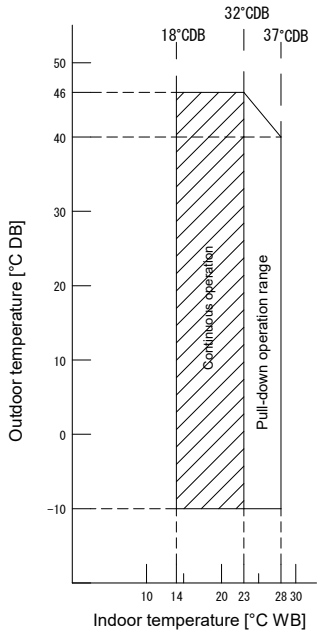
3D109333

11 Operation range

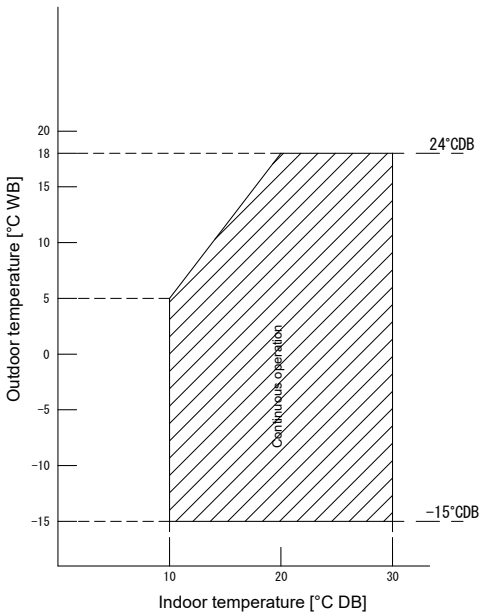
11 - 1 Operation Range

3MXM-N9

Cooling



Heating



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

3D101376D

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: www.eurovent-certification.com

EEDEN20 08/2020