



technical data

MXS-B



Multi Application



air conditioning systems

Split Sky Air

Split - Sky Air



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment



Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products. Multi Units are certified by Eurovent for combinations up to 2 indoor units.

Specifications are subject to change without prior notice.

DAIKIN EUROPE N.V.

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MXS-B



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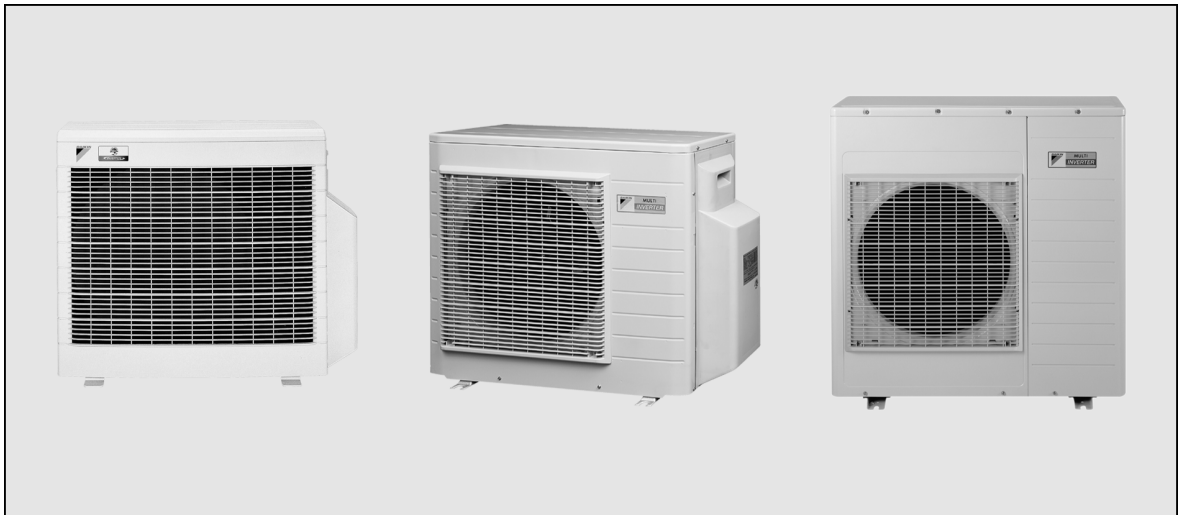
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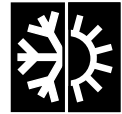
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Outdoor units for Multi application

- With Multi B-outdoor units, it is possible to connect up to 4 indoor units of different capacities to a single outdoor unit, thereby reducing installation space and costs.
- It is possible to combine different types of SPLIT indoor units as well as small SKY AIR indoor units (e.g. wall mounted, Floor standing, 60x60 cassette).
- All DC-Inverter indoor units can be installed in Multi Model application. Combination with AC and NON inverter units is impossible.
- All indoor units remain individually controllable and do not need to be installed at the same time or in the same room. Further units can always be added at a later stage. Moreover, the energy consumption of a Daikin Multi system can be up to 20% lower than that of a separate indoor and outdoor unit application.
- Daikin outdoor units can be mounted easily on a roof or terrace or simply placed against an outside wall. They are fitted with a swing compressor, renowned for its low noise and high energy efficiency.
- Multi B-outdoor units are fitted with a swing compressor, renowned for its low noise and energy efficiency.



2 Specifications



2

TECHNICAL SPECIFICATIONS							
OUTDOOR UNITS				2MXS40BVM	3MXS52BVM	4MXS68BVM	4MXS80BVM
DIMENSIONS	Unit	H	mm	640	735		
		W	mm	685	936		
		D	mm	285	300		
WEIGHT	Unit		kg	39	55	59	73
COLOUR	Unit			Ivory white			
SOUND LEVEL	Sound pressure (1)	cooling (H/L)	dBA	47/43	46/*	48/*	48/*
		heating (H/L)	dBA	48/44	47/*	49/*	49/*
	Sound power (2)	cooling (H)	dBA	62	59	61	61
		heating (H)	dBA	*	60	62	62
FAN	Air flow rate	cooling (H/L)	m ³ /min	35/30	44/37	51/45	48.5/42
		heating (H/L)	m ³ /min	32/27	44/37	47.6/45	45/42
	Speed	cooling (H/L)	rpm	880/760	690/590	790/700	780/680
		heating (H/L)	rpm	880/780	690/590	790/700	780/680
	Model			Propeller			
	Motor output		W	50	53	53	51
HEAT EXCHANGER	Type			WF fin, ϕ 8 Hi-XA tube			
	Rows x stages x fin pitch		mm	1 x 28 x 1.4	2 x 32 x 1.8	2 x 32 x 1.6	2 x 40 x 1.4
REFRIGERANT CIRCUIT	Refrigerant type			R-410A			
	Refrigerant charge		kg	1.2	2.0	2.06	3.1
	Maximum allowable distance between indoor and outdoor		m	30 (for total of each room)	45 (for total of each room)	60 (for total of each room)	70 (for total of each room)
				20 (for one room)	25 (for one room)	25 (for one room)	25 (for one room)
	Maximum allowable level difference		m	15 (Between indoor and outdoor units)			
				7.5 (between indoor units)			
COMPRESSOR	Additional refrigerant		g/m	20 (20m or more)	20 (30m or more)	20 (30m or more)	20 (40m or more)
	Type			Hermetically sealed swing type			
	Model			1YC23GXD	2YC32HDX	2YC45BXX	2YC45BXX
	Motor output			600	980	1,380	1,380
	Oil type			FVC50K			
	Oil charge volume		ℓ	0.40	0.65	0.75	0.75
PIPING CONNECTIONS		liquid	mm	ϕ 6.4 x 2	ϕ 6.4 x 3	ϕ 6.4 x 4	ϕ 6.4 x 4
		gas	mm	ϕ 9.5 x 2	ϕ 9.5 x 2, ϕ 12.7 x 1	ϕ 9.5 x 2, ϕ 12.7 x 2	ϕ 9.5 x 2, ϕ 12.7 x 1, ϕ 15.9 x 1
		drain	mm	ϕ 18.0	ϕ 18.0	ϕ 18.0	ϕ 25.0
INSULATION MATERIAL	Heat insulation tape			Both liquid and gas pipes			

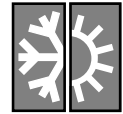
* This information was not available at the time of publication.

ELECTRICAL SPECIFICATIONS							
OUTDOOR UNITS				2MXS40BVM	3MXS52BVM	4MXS68BVM	4MXS80BVM
CURRENT	Nominal running current	cooling	A	Please refer to electrical data			
	Max. running current	cooling	A	Please refer to electrical data			
	Starting current	cooling	A	6.2	6.9	8.5	8.7

OUTDOOR UNITS				2MXS40BVM	3MXS52BVM	4MXS68BVM	4MXS80BVM
POWER SUPPLY				VM	VM	VM	VM
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~	1~	1~	1~
	Frequency		Hz	50	50	50	50
	Voltage		V	230	230	230	230

NOTES

- The sound pressure level is measured via a microphone at 1m distance from the unit. For measuring conditions: please refer to item 9 of this chapter.
- The sound power level is an absolute value indicating the "power" which a sound source generates.



2 Specifications

2

ELECTRICAL DATA

2MXS40B

Cooling (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	11.5	12	3.0	50	0.40	18	0.23
3.5							4.6			18	0.23
2.5+2.5							5.1			36	0.47
2.5+3.5							5.1			36	0.47

Heating (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	11.5	12	4.7	50	0.40	18	0.23
3.5							5.7			18	0.23
2.5+2.5							4.9			36	0.47
2.5+3.5							4.9			36	0.47

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3MXS52B

Cooling (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	4.1	20	2.7	44	0.30	40	0.23
3.5					6.3		4.3			40	0.23
5.0					9.2		7.3			40	0.23
2.5+2.5					9.7		7.0			80	0.45
2.5+3.5					10.6		7.6			80	0.45
2.5+5.0					10.6		7.3			80	0.45
3.5+3.5					10.6		7.6			80	0.45
3.5+5.0					10.6		7.3			80	0.45
2.5+2.5+2.5					10.5		7.0			120	0.68
2.5+2.5+3.5					10.6		7.0			120	0.68

Heating (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	5.9	20	4.4	44	0.30	40	0.23
3.5					6.7		6.1			40	0.23
5.0					10.7		9.9			38	0.21
2.5+2.5					9.7		8.3			80	0.45
2.5+3.5					10.2		8.8			80	0.45
2.5+5.0					8.8		7.6			78	0.44
3.5+3.5					10.3		9.2			80	0.45
3.5+5.0					9.0		7.6			78	0.44
2.5+2.5+2.5					8.0		6.8			120	0.68
2.5+2.5+3.5					8.3		6.8			120	0.68

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SYMBOLS

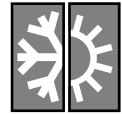
Nominal current =

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Fan Motor Rated Output (W)

NOTES

1. RLA is based on the following conditions:
Power supply: 50Hz 230V
Cooling
Indoor temp.: 20°CDB
Outdoor temp.: 35°CDB
Heating
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 7°CDB/6°CWB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker

2 Specifications



ELECTRICAL DATA

2

4MXS68B

Cooling (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	4.2	20	2.6	68	0.41	40	0.23
3.5					6.5		4.4			40	0.23
5.0					9.4		7.1			40	0.23
6.0					10.7		9.6			45	0.25
2.5+2.5					10.0		7.4			80	0.45
2.5+3.5					11.9		10.6			80	0.45
2.5+5.0					11.7		10.4			80	0.45
2.5+6.0					12.7		10.1			85	0.48
3.5+3.5					12.8		12.1			80	0.45
3.5+5.0					12.9		10.4			80	0.45
3.5+6.0					14.0		10.1			85	0.48
5.0+5.0					13.3		9.4			80	0.45
5.0+6.0					13.9		9.2			85	0.48
2.5+2.5+2.5					11.6		9.4			120	0.68
2.5+2.5+3.5					12.9		9.6			120	0.68
2.5+2.5+5.0					13.6		8.9			120	0.68
2.5+2.5+6.0					14.4		8.6			125	0.70
2.5+3.5+3.5					14.4		9.6			120	0.68
2.5+3.5+5.0					14.6		8.9			120	0.68
3.5+3.5+3.5					15.2		9.4			120	0.68
2.5+2.5+2.5+2.5					13.1		8.3			160	0.90
2.5+2.5+2.5+3.5					14.4		8.3			160	0.90

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Heating (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	6.0	20	4.4	68	0.41	40	0.23
3.5					7.0		6.5			40	0.23
5.0					11.9		10.4			40	0.23
6.0					11.9		10.8			45	0.25
2.5+2.5					10.9		9.3			80	0.45
2.5+3.5					12.3		10.8			80	0.45
2.5+5.0					13.1		10.4			80	0.45
2.5+6.0					13.0		9.8			85	0.48
3.5+3.5					13.2		12.2			80	0.45
3.5+5.0					13.5		10.4			80	0.45
3.5+6.0					12.8		9.6			85	0.48
5.0+5.0					12.4		9.5			80	0.45
5.0+6.0					12.0		9.1			85	0.48
2.5+2.5+2.5					12.3		9.5			120	0.68
2.5+2.5+3.5					12.7		9.6			120	0.68
2.5+2.5+5.0					11.9		9.0			120	0.68
2.5+2.5+6.0					11.6		8.6			125	0.70
2.5+3.5+3.5					12.6		9.3			120	0.68
2.5+3.5+5.0					11.9		8.9			120	0.68
3.5+3.5+3.5					13.3		9.7			120	0.68
2.5+2.5+2.5+2.5					11.4		8.5			160	0.90
2.5+2.5+2.5+3.5					11.5		8.3			160	0.90

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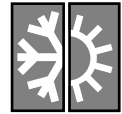
SYMBOLS

Nominal current =
MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output

NOTES

1. RLA is based on the following conditions:
Power supply: 50Hz 230V
Cooling
Indoor temp.: 20°CDB
Outdoor temp.: 35°CDB
Heating
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 7°CDB/6°CWB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker

2 Specifications



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ELECTRICAL DATA

4MXS80B

Cooling (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	5.0	20	3.0	60	0.55	40	0.23
3.5					7.1		5.0			40	0.23
5.0					8.3		6.4			40	0.23
6.0					9.7		8.7			45	0.25
7.1					12.1		11.6			50	0.28
2.5+2.5					9.0		6.6			80	0.45
2.5+3.5					10.5		9.1			80	0.45
2.5+5.0					11.2		10.3			80	0.45
2.5+6.0					11.7		10.8			85	0.48
2.5+7.1					12.6		11.3			90	0.50
3.5+3.5					12.4		11.2			80	0.45
3.5+5.0					11.8		10.8			80	0.45
3.5+6.0					12.7		11.5			85	0.48
3.5+7.1					14.1		12.3			90	0.50
5.0+5.0					11.6		10.5			80	0.45
5.0+6.0					12.3		11			85	0.48
5.0+7.1					12.1		10.7			90	0.50
6.0+6.0					12.0		10.7			90	0.50
6.0+7.1					12.1		10.6			95	0.53
2.5+2.5+2.5					10.4		9.3			120	0.68
2.5+2.5+3.5					11.6		10.0			120	0.68
2.5+2.5+5.0					11.1		9.3			120	0.68
2.5+2.5+6.0					11.7		9.8			125	0.70
2.5+2.5+7.1					11.9		9.5			130	0.73
2.5+3.5+3.5					12.6		10.6			120	0.68
2.5+3.5+5.0					12.0		10.1			120	0.68
2.5+3.5+6.0					12.4		9.8			125	0.70
2.5+3.5+7.1					12.5		9.5			130	0.73
2.5+5.0+5.0					10.8		8.3			120	0.68
2.5+5.0+6.0					10.7		8.0			125	0.70
3.5+3.5+3.5					13.4		11.4			120	0.68
3.5+3.5+5.0					12.6		10.1			120	0.68
3.5+3.5+6.0					12.6		9.8			125	0.70
3.5+5.0+5.0					10.9		8.3			120	0.68
2.5+2.5+2.5+2.5					10.2		8.3			160	0.90
2.5+2.5+2.5+3.5					11.2		8.9			160	0.90
2.5+2.5+2.5+5.0					10.0		7.4			160	0.90
2.5+2.5+2.5+6.0					10.2		7.1			165	0.93
2.5+2.5+3.5+3.5					11.8		8.9			160	0.90
2.5+2.5+3.5+5.0					10.5		7.3			160	0.90
2.5+3.5+3.5+3.5					12.4		8.9			160	0.90

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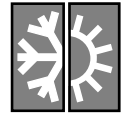
SYMBOLS

Nominal current =
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MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output

NOTES

1. RLA is based on the following conditions:
Power supply: 50Hz 230V
Cooling
Indoor temp.: 20°CDB
Outdoor temp.: 35°CDB
Heating
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 7°CDB/6°CWB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker

2 Specifications



ELECTRICAL DATA

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4MXS80B

Heating (50Hz 230V)

Combination	Units				Power supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	230	207	253	6.3	20	4.3	60	0.55	40	0.23
3.5					7.1		6.5			40	0.23
5.0					12.0		10.3			38	0.21
6.0					12.0		10.7			45	0.25
7.1					12.9		12.1			50	0.28
2.5+2.5					11.2		9.2			80	0.45
2.5+3.5					12.3		10.8			80	0.45
2.5+5.0					13.3		11.0			78	0.44
2.5+6.0					13.2		11.6			85	0.48
2.5+7.1					13.2		11.2			90	0.50
3.5+3.5					13.3		12.1			80	0.45
3.5+5.0					13.9		12.3			78	0.44
3.5+6.0					13.4		11.6			85	0.48
3.5+7.1					13.0		11.2			90	0.50
5.0+5.0					12.9		11.0			76	0.43
5.0+6.0					12.2		10.5			83	0.46
5.0+7.1					12.3		10.3			88	0.49
6.0+6.0					12.0		10.1			90	0.50
6.0+7.1					11.7		9.9			95	0.53
2.5+2.5+2.5					12.5		10.3			120	0.68
2.5+2.5+3.5					13.2		11.3			120	0.68
2.5+2.5+5.0					12.1		10.4			118	0.66
2.5+2.5+6.0					11.8		9.8			125	0.70
2.5+2.5+7.1					11.6		9.5			130	0.73
2.5+3.5+3.5					13.1		11.0			120	0.68
2.5+3.5+5.0					12.3		10.1			118	0.66
2.5+3.5+6.0					11.8		9.7			125	0.70
2.5+3.5+7.1					11.8		9.5			130	0.73
2.5+5.0+5.0					11.8		9.5			116	0.65
2.5+5.0+6.0					11.7		9.2			123	0.69
3.5+3.5+3.5					13.4		10.9			120	0.68
3.5+3.5+5.0					12.3		10.1			118	0.66
3.5+3.5+6.0					12.0		9.7			125	0.70
3.5+5.0+5.0					11.9		9.8			116	0.65
2.5+2.5+2.5+2.5					11.7		9.8			160	0.90
2.5+2.5+2.5+3.5					11.9		9.8			160	0.90
2.5+2.5+2.5+5.0					11.4		8.9			158	0.89
2.5+2.5+2.5+6.0					11.3		8.6			165	0.93
2.5+2.5+3.5+3.5					11.9		9.2			160	0.90
2.5+2.5+3.5+5.0					11.8		8.9			158	0.89
2.5+3.5+3.5+3.5					12.1		9.2			160	0.90

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SYMBOLS

Nominal current =
MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output

NOTES

1. RLA is based on the following conditions:
Power supply: 50Hz 230V
Cooling
Indoor temp.: 20°CDB
Outdoor temp.: 35°CDB
Heating
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 7°CDB/6°CWB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker



3 Combination table

3

2MXS40B

Cooling [50Hz 230V]

Combination (Capacity)	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
2.5	22.0	2.35	0.57	2.53	0.58	2.68	0.59	2.73	0.59	2.95	0.60	3.10	0.61
	25.0	2.31	0.61	2.46	0.62	2.61	0.63	2.68	0.64	2.90	0.65	3.05	0.66
	32.0	2.18	0.68	2.33	0.69	2.48	0.71	2.55	0.72	2.78	0.73	3.92	0.75
	35.0	2.13	0.71	2.28	0.73	2.43	0.75	2.50	0.76	2.72	0.78	2.87	0.79
	40.0	2.04	0.76	2.19	0.79	2.34	0.81	2.41	0.82	2.63	0.85	2.78	0.86
3.5	22.0	2.96	0.85	3.18	0.86	3.37	0.87	3.43	0.88	3.72	0.89	3.91	0.90
	25.0	2.91	0.91	3.10	0.93	3.28	0.94	3.38	0.95	3.65	0.97	3.84	0.98
	32.0	2.75	1.00	2.94	1.03	3.12	1.05	3.22	1.06	3.50	1.09	3.68	1.11
	35.0	2.69	1.05	2.87	1.08	3.06	1.11	3.15	1.12	3.43	1.15	3.61	1.17
	40.0	2.57	1.13	2.76	1.17	2.94	1.20	3.04	1.22	3.32	1.26	3.50	1.28
2.5 + 2.5 2.5 + 3.5	22.0	3.67	0.92	3.94	0.93	4.17	0.95	4.25	0.95	4.60	0.97	4.84	0.98
	25.0	3.60	0.99	3.83	1.00	4.06	1.02	4.18	1.03	4.53	1.05	4.76	1.06
	32.0	3.41	1.09	3.64	1.12	3.87	1.14	3.98	1.15	4.33	1.18	4.56	1.21
	35.0	3.32	1.14	3.55	1.17	3.78	1.20	3.90	1.22	4.25	1.25	4.48	1.27
	40.0	3.18	1.23	3.41	1.27	3.64	1.30	3.76	1.32	4.11	1.37	4.34	1.39

Heating (50Hz 230V)

Combination (Capacity)	Indoor air temp.: °CWB	Outdoor air temp. °CDB									
		-10°C		-5°C		0°C		6°C		10°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
2.5	16.0	1.95	0.83	2.41	0.89	2.88	0.97	3.43	1.05	3.81	1.10
	18.0	1.93	0.86	2.40	0.94	2.86	1.00	3.42	1.09	3.79	1.15
	20.0	1.91	0.90	2.38	0.98	2.84	1.05	3.40	1.14	3.77	1.19
	21.0	1.91	0.92	2.37	0.99	2.83	1.07	3.39	1.15	3.76	1.21
	22.0	1.90	0.95	2.36	1.02	2.83	1.09	3.38	1.17	3.75	1.23
	24.0	1.88	0.99	2.34	1.06	2.81	1.13	3.37	1.21	3.74	1.27
3.5	16.0	2.18	0.98	2.69	1.06	3.22	1.15	3.83	1.25	4.26	1.31
	18.0	2.16	1.03	2.68	1.11	3.20	1.19	3.82	1.30	4.24	1.37
	20.0	2.14	1.08	2.66	1.16	3.17	1.24	3.80	1.35	4.21	1.41
	21.0	2.13	1.10	2.65	1.18	3.16	1.27	3.79	1.37	4.20	1.44
	22.0	2.12	1.13	2.64	1.21	3.16	1.29	3.78	1.39	4.19	1.47
	24.0	2.10	1.18	2.62	1.26	3.14	1.34	3.77	1.44	4.18	1.51
2.5 + 2.5 2.5 + 3.5	16.0	2.52	0.87	3.12	0.94	3.72	1.01	4.44	1.10	4.93	1.16
	18.0	2.50	0.90	3.10	0.98	3.70	1.05	4.42	1.15	4.90	1.21
	20.0	2.48	0.95	3.08	1.03	3.68	1.10	4.40	1.19	4.88	1.24
	21.0	2.47	0.97	3.07	1.04	3.66	1.12	4.39	1.21	4.87	1.27
	22.0	2.46	0.99	3.06	1.07	3.66	1.14	4.38	1.23	4.86	1.29
	24.0	2.43	1.04	3.03	1.11	3.64	1.18	4.36	1.27	4.84	1.33

3D040488

SYMBOLS

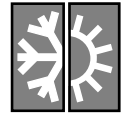
TC: Total capacity (kW)
PI: Power input (kW)

NOTES

- Capacities are based on the following conditions:
Corresponding refrigerant piping length:
Level difference:

7.5 m
0 m

3 Combination table



3MXS52B

Cooling [50Hz 230V]

3

Combination of indoor unit	Capacity of each indoor unit (input current without limit)										
	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor %
	A Room	B Room	C Room	D Room	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating
2.5	2.50	-	-	-	2.50	1.16~3.20	670	330~880	3.1	1.5~4.1	94
3.5	3.50	-	-	-	3.50	1.17~4.49	1000	330~1410	4.5	1.5~6.3	97
5.0	-	-	5.00	-	5.00	1.26~5.80	1700	380~2090	7.5	1.7~9.2	99
2.5+2.5	2.50	2.50	-	-	5.00	1.26~5.95	1680	370~2200	7.4	1.6~9.7	99
2.5+3.5	2.17	3.03	-	-	5.20	1.32~6.35	1810	390~2410	7.9	1.7~10.6	99
2.5+5.0	1.73	-	3.47	-	5.20	1.42~6.45	1750	390~2420	7.7	1.7~10.6	99
3.5+3.5	2.60	2.60	-	-	5.20	1.39~6.40	1810	400~2410	7.9	1.8~10.6	99
3.5+5.0	2.14	-	3.06	-	5.20	1.49~6.50	1750	410~2420	7.7	1.8~10.6	99
2.5+2.5+2.5	1.73	1.73	1.73	-	5.19	1.42~6.45	1710	350~2390	7.5	1.5~10.5	99
2.5+2.5+3.5	1.5~	1.53	2.14	-	5.20	1.49~6.50	1710	360~2420	7.5	1.6~10.6	99

3D039603#1

Heating (50Hz 230V)

Combination of indoor unit	Capacity of each indoor unit (input current without limit)										
	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor %
	A Room	B Room	C Room	D Room	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating
2.5	3.40	-	-	-	3.40	1.06~4.00	1090	340~1320	4.8	1.5~5.9	98
3.5	4.20	-	-	-	4.20	1.16~4.40	1420	380~1520	6.2	1.7~6.7	99
5.0	-	-	6.50	-	6.50	1.51~6.79	2290	420~2440	10.1	1.8~10.7	99
2.5+2.5	3.25	3.25	-	-	6.50	1.47~6.79	1970	400~2220	8.7	1.8~9.7	99
2.5+3.5	2.79	3.91	-	-	6.70	1.73~6.98	2080	470~2330	9.1	2.1~10.2	99
2.5+5.0	2.27	-	4.53	-	6.80	2.02~7.21	1820	470~2000	8.0	2.1~8.8	99
3.5+3.5	3.40	3.40	-	-	6.80	1.91~7.14	2170	500~2340	9.5	2.2~10.3	99
3.5+5.0	2.80	-	4.00	-	6.80	2.30~7.34	1820	540~2060	8.0	2.4~9.0	99
2.5+2.5+2.5	2.26	2.26	2.26	-	6.78	2.05~7.21	1670	430~1830	7.3	1.9~8.0	99
2.5+2.5+3.5	2.00	2.00	2.80	-	6.80	2.31~7.34	1680	490~1890	7.4	2.2~8.3	99

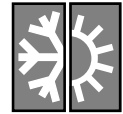
3D039603#2

SYMBOLS

TC : Total cooling capacity (A)
PI : Power input (A)

NOTES

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The total ability of connected a indoor unit is up to 10.0 kW
- It is impossible to connect the indoor unit for one room only.



3 Combination table

3 4MXS68B

Cooling [50Hz 230V]

Combination of indoor unit	Capacity of each indoor unit (input current without limit)										
	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor %
	A Room	B Room	C Room	D Room	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating
2.5	2.50	-	-	-	2.50	1.65~3.36	680	440~930	3.1	2.0~4.2	96
3.5	3.50	-	-	-	3.50	1.67~4.70	1040	460~1460	4.6	2.0~6.5	98
5.0	-	-	5.00	-	5.00	1.80~5.86	1660	470~2140	7.3	2.1~9.4	99
6.0	-	-	6.00	-	6.00	1.88~6.32	2230	460~2440	9.8	2.0~10.7	99
2.5+2.5	2.50	2.50	-	-	5.00	1.80~5.97	1770	470~2280	7.8	2.1~10.0	99
2.5+3.5	2.50	3.50	-	-	6.00	1.88~6.39	2490	470~2700	10.9	2.1~11.9	99
2.5+5.0	2.27	-	4.53	-	6.80	2.03~7.21	2460	470~2670	10.8	2.1~11.7	99
2.5+6.0	2.00	-	4.80	-	6.80	2.13~7.55	2390	470~2900	10.5	2.1~12.7	99
3.5+3.5	3.40	3.40	-	-	6.80	1.98~6.95	2830	470~2920	12.4	2.1~12.8	99
3.5+5.0	2.80	-	4.00	-	6.80	2.13~7.56	2460	470~2930	10.8	2.1~12.9	99
3.5+6.0	2.51	-	4.29	-	6.80	2.23~7.86	2390	470~3180	10.5	2.1~14.0	99
5.0+5.0	-	-	3.40	3.40	6.80	2.29~8.00	2230	490~3020	9.8	2.2~13.3	99
5.0+6.0	-	-	3.09	3.71	6.80	2.42~8.23	2170	490~3170	9.5	2.2~13.9	99
2.5+2.5+2.5	2.26	2.26	2.26	-	6.78	2.03~7.38	2260	480~2630	9.9	2.1~11.6	99
2.5+2.5+3.5	2.00	2.00	2.80	-	6.80	2.13~7.77	2320	480~2940	10.2	2.1~12.9	99
2.5+2.5+5.0	1.70	1.70	3.40	-	6.80	2.29~8.26	2150	500~3090	9.4	2.2~13.6	99
2.5+2.5+6.0	1.55	1.55	3.70	-	6.80	2.42~8.53	2080	500~3290	9.1	2.2~14.4	99
2.5+3.5+3.5	1.78	2.51	2.51	-	6.80	2.23~8.11	2320	480~3280	10.2	2.1~14.4	99
2.5+3.5+5.0	1.55	2.16	3.09	-	6.80	2.42~8.53	2150	500~3320	9.4	2.2~14.6	99
3.5+3.5+3.5	2.26	2.26	2.26	-	6.78	2.35~8.41	2260	480~3470	9.9	2.1~15.2	99
2.5+2.5+2.5+2.5	1.70	1.70	1.70	1.70	6.80	2.29~8.33	2060	510~2980	9.0	2.2~13.1	99
2.5+2.5+2.5+3.5	1.55	1.55	1.55	2.15	6.80	2.42~8.67	2060	510~3270	9.0	2.2~14.4	99

3D039604#2

Heating (50Hz 230V)

Combination of indoor unit	Capacity of each indoor unit (input current without limit)										
	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor %
	A Room	B Room	C Room	D Room	Rating	(Min.~max.)	Rating	(Min.~max.)	Rating	(Min.~max.)	Rating
2.5	3.40	-	-	-	3.40	1.19~4.06	1110	380~1360	4.9	1.7~6.0	98
3.5	4.30	-	-	-	4.30	1.29~4.46	1520	390~1590	6.7	1.7~7.0	99
5.0	-	-	7.20	-	7.20	1.61~8.02	2420	420~2710	10.6	1.8~11.9	99
6.0	-	-	7.90	-	7.90	1.85~8.51	2510	430~2720	11.0	1.9~11.9	99
2.5+2.5	3.60	3.60	-	-	7.20	1.61~8.11	2190	410~2480	9.6	1.8~10.9	99
2.5+3.5	3.29	4.61	-	-	7.90	1.85~8.61	2550	440~2790	11.2	1.9~12.3	99
2.5+5.0	2.87	-	5.73	-	8.60	2.20~10.20	2450	530~2980	10.8	2.3~13.1	99
2.5+6.0	2.53	-	6.07	-	8.60	2.46~10.39	2310	570~2950	10.1	2.5~13.0	99
3.5+3.5	4.30	4.30	-	-	8.60	2.08~8.96	2870	480~3010	12.6	2.1~13.2	99
3.5+5.0	3.54	-	5.06	-	8.60	2.44~10.40	2440	570~3070	10.7	2.5~13.5	99
3.5+6.0	3.17	-	5.43	-	8.60	2.68~10.54	2280	600~2910	10.0	2.6~12.8	99
5.0+5.0	-	-	4.30	4.30	8.60	2.80~10.59	2250	670~2820	9.9	2.9~12.4	99
5.0+6.0	-	-	3.91	4.69	8.60	3.04~10.64	2160	690~2740	9.5	3.0~12.0	99
2.5+2.5+2.5	2.86	2.86	2.86	-	8.58	2.20~10.20	2290	510~2800	10.1	2.2~12.3	99
2.5+2.5+3.5	2.53	2.53	3.54	-	8.60	2.44~10.40	2300	550~2890	10.1	2.4~12.7	99
2.5+2.5+5.0	2.15	2.15	4.30	-	8.60	2.80~10.59	2180	660~2720	9.6	2.9~11.9	99
2.5+2.5+6.0	1.95	1.95	4.70	-	8.60	3.04~10.64	2080	670~2640	9.1	2.9~11.6	99
2.5+3.5+3.5	2.26	3.17	3.17	-	8.60	2.68~10.54	2250	600~2880	9.9	2.6~12.6	99
2.5+3.5+5.0	1.95	2.74	3.91	-	8.60	3.04~10.64	2140	680~2700	9.4	3.0~11.9	99
3.5+3.5+3.5	2.86	2.86	2.86	-	8.58	2.92~10.61	2330	670~3030	10.2	2.9~13.3	99
2.5+2.5+2.5+2.5	2.15	2.15	2.15	2.15	8.60	2.80~10.59	2090	620~2600	9.2	2.6~11.4	99
2.5+2.5+2.5+3.5	1.95	1.95	1.95	3.04	8.60	3.04~10.64	2060	680~2620	9.0	3.0~11.5	99

3D039604#3

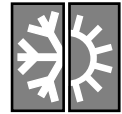
SYMBOLS

TC : Total cooling capacity (A)
PI : Power input (A)

NOTES

- 1 Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- 2 The total ability of connected a indoor unit is up to 10.0 kW
- 3 It is impossible to connect the indoor unit for one room only.

3 Combination table



4MXS80B

Cooling [50Hz 230V]

3

Combination of indoor unit	Capacity of each indoor unit (input current without limit)										
	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor %
	A Room	B Room	C Room	D Room	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating
2.5	2.50	-	-	-	2.50	1.66~3.43	740	460~1020	3.6	2.3~5.0	88
3.5	3.50	-	-	-	3.50	1.70~4.80	1140	480~1560	5.1	2.2~7.1	95
5.0	-	-	5.00	-	5.00	1.84~5.92	1490	430~1860	6.6	1.9~8.3	98
6.0	-	-	6.00	-	6.00	1.92~6.55	2010	420~2200	8.9	1.9~9.7	98
7.1	-	-	-	7.10	7.10	2.03~7.22	2690	430~2760	11.8	1.9~12.1	99
2.5+2.5	2.50	2.50	-	-	5.00	1.84~6.12	1560	440~2020	6.9	2.0~9.0	98
2.5+3.5	2.50	3.50	-	-	6.00	1.92~6.60	2090	440~2340	9.4	2.0~10.5	97
2.5+5.0	2.40	-	4.79	-	7.19	2.07~7.42	2420	480~2540	10.6	2.1~11.2	99
2.5+6.0	2.18	-	5.24	-	7.42	2.17~7.76	2540	480~2670	11.2	2.1~11.7	99
2.5+7.1	2.00	-	-	5.68	7.68	2.29~8.12	2660	470~2880	11.7	2.1~12.6	99
3.5+3.5	3.50	3.50	-	-	7.00	2.02~7.18	2640	440~2830	11.6	1.9~12.4	99
3.5+5.0	3.06	-	4.36	-	7.42	2.17~7.71	2550	480~2690	11.2	2.1~11.8	99
3.5+6.0	2.82	-	4.83	-	7.65	2.28~8.07	2710	480~2900	11.9	2.1~12.7	99
3.5+7.1	2.61	-	-	5.30	7.91	2.41~8.31	2890	480~3200	12.7	2.1~14.1	99
5.0+5.0	-	-	3.89	3.89	7.78	2.34~8.16	2470	510~2650	10.8	2.2~11.6	99
5.0+6.0	-	-	3.64	4.36	8.00	2.47~8.46	2580	500~2810	11.3	2.2~12.3	99
5.0+7.1	-	-	3.31	4.69	8.00	2.61~8.56	2530	500~2750	11.1	2.2~12.1	99
6.0+6.0	-	-	4.00	4.00	8.00	2.60~8.56	2520	500~2740	11.1	2.2~12.0	99
6.0+7.1	-	-	3.66	4.34	8.00	2.75~8.66	2510	500~2750	11.1	2.2~12.1	99
2.5+2.5+2.5	2.40	2.40	2.40	-	7.20	2.07~7.53	2230	490~2360	9.8	2.2~10.4	99
2.5+2.5+3.5	2.18	2.18	3.06	-	7.42	2.17~7.93	2410	490~2630	10.6	2.2~11.6	99
2.5+2.5+5.0	1.94	1.94	3.89	-	7.77	2.34~8.50	2240	520~2520	9.8	2.3~11.1	99
2.5+2.5+6.0	1.82	1.82	4.36	-	8.00	2.47~8.76	2350	510~2670	10.3	2.2~11.7	99
2.5+2.5+7.1	1.65	1.65	-	4.70	8.00	2.61~8.93	2290	510~2710	10.1	2.2~11.9	99
2.5+3.5+3.5	2.01	2.82	2.82	-	7.65	2.28~8.34	2540	490~2860	11.2	2.2~12.6	99
2.5+3.5+5.0	1.82	2.55	3.63	-	8.00	2.47~8.76	2420	520~2740	10.6	2.3~12.0	99
2.5+3.5+6.0	1.67	2.33	4.00	-	8.00	2.60~8.97	2350	510~2820	10.3	2.2~12.4	99
2.5+3.5+7.1	1.53	2.14	-	4.33	8.00	2.75~9.07	2300	510~2850	10.1	2.2~12.5	99
2.5+5.0+5.0	1.60	-	3.20	3.20	8.00	2.66~9.07	2010	530~2450	8.8	2.3~10.8	99
2.5+5.0+6.0	1.48	-	2.96	3.56	8.00	2.81~9.19	1950	520~2430	8.6	2.3~10.7	99
3.5+3.5+3.5	2.63	2.63	2.63	-	7.89	2.40~8.58	2710	490~3040	11.9	2.2~13.4	99
3.5+3.5+5.0	2.34	2.33	3.33	-	8.00	2.60~8.97	2420	520~2880	10.6	2.3~12.6	99
3.5+3.5+6.0	2.15	2.15	3.70	-	8.00	2.74~9.07	2350	510~2860	10.3	2.2~12.6	99
3.5+5.0+5.0	2.08	-	2.96	2.96	8.00	2.81~9.19	2010	530~2490	8.8	2.3~10.9	99
2.5+2.5+2.5+2.5	1.94	1.94	1.94	1.94	7.76	2.34~8.57	2060	530~2320	9.0	2~3~10.2	99
2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.54	8.00	2.47~8.92	2180	530~2550	9.6	2.3~11.2	99
2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	8.00	2.66~9.23	1820	530~2250	8.1	2.4~10.0	98
2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	8.00	2.81~9.45	1760	520~2310	7.8	2.3~10~2	98
2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	8.00	2.60~9.10	2180	530~2680	9.6	2.3~11.8	99
2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.97	8.00	2.81~9.46	1820	530~2380	8.0	2.3~10.5	99
2.5+3.5+3.5+3.5	1.55	2.15	2.15	2.15	8.00	2.74~9.34	2180	530~2820	9.6	2.3~12.4	99

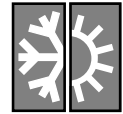
3D039605#2

SYMBOLS

TC : Total cooling capacity (A)
PI : Power input (A)

NOTES

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The total ability of connected a indoor unit is up to 10.0 kW
- It is impossible to connect the indoor unit for one room only.



3 Combination table

3

4MXS80B

Heating (50Hz 230V)

Combination of indoor unit	Capacity of each indoor unit (input current without limit)										
	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor %
	A Room	B Room	C Room	D Room	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating	(Min.-max.)	Rating
2.5	3.40	-	-	-	3.40	19~4.16	1100	380~1410	4.9	1.7~6.3	97
3.5	4.30	-	-	-	4.30	1.29~4.52	1510	390~1600	6.7	1.7~7.1	98
5.0	-	-	7.20	-	7.20	1.61~8.13	2390	420~2740	10.5	1.8~12.0	99
6.0	-	-	7.90	-	7.90	1.85~8.62	2490	430~2740	10.9	1.8~12.0	99
7.1	-	-	-	8.65	8.65	2.18~8.98	2790	480~2930	12.3	2.1~12.9	99
2.5+2.5	3.60	3.60	-	-	7.20	1.61~8.22	2170	410~2540	9.5	1.8~11.2	99
2.5+3.5	3.29	4.61	-	-	7.90	1.85~8.72	2520	440~2810	11.1	1.9~12.3	99
2.5+5.0	3.00	-	6.00	-	9.00	2.22~10.30	2580	530~3030	11.4	2.3~13.3	99
2.5+6.0	2.82	-	6.78	-	9.60	2.46~10.50	2720	570~3010	11.9	2.5~13.2	99
2.5+7.1	2.50	-	-	7.10	9.60	2.73~10.66	2630	590~3000	11.6	2.6~13.2	99
3.5+3.5	4.30	4.30	-	-	8.60	2.08~9.05	2840	480~3020	12.5	2.1~13.3	99
3.5+5.0	3.95	-	5.65	-	9.60	2.46~10.50	2870	580~3170	12.6	2.5~13.9	99
3.5+6.0	3.54	-	6.06	-	9.60	2.71~10.65	2720	600~3060	11.9	2.6~13.4	99
3.5+7.1	3.17	-	-	6.43	9.60	2.97~10.73	2630	640~2960	11.6	2.8~13.0	99
5.0+5.0	-	-	4.80	4.80	9.60	2.83~10.70	2590	670~2930	11.4	2.9~12.9	99
5.0+6.0	-	-	4.36	5.24	9.60	3.07~10.75	2480	690~2790	10.9	3.0~12.2	99
5.0+7.1	-	-	3.97	5.63	9.60	3.35~10.82	2440	740~2790	10.7	3.2~12.3	99
6.0+6.0	-	-	4.80	4.80	9.60	3.32~10.81	2380	720~2730	10.5	3.2~12.0	99
6.0+7.1	-	-	4.40	5.20	9.60	3.59~10.90	2360	780~2670	10.4	3.4~11.7	99
2.5+2.5+2.5	3.00	3.00	3.00	-	9.00	2.22~10.30	2470	510~2840	10.8	2.2~12.5	99
2.5+2.5+3.5	2.82	2.82	3.96	-	9.60	2.46~10.50	2700	580~3000	11.9	2.5~13.2	99
2.5+2.5+5.0	2.40	2.40	4.80	-	9.60	2.83~10.70	2480	660~2760	10.9	2.9~12.1	99
2.5+2.5+6.0	2.18	2.18	5.24	-	9.60	3.07~10.75	2370	690~2680	10.4	3.0~11.8	99
2.5+2.5+7.1	1.98	1.98	-	5.64	9.60	3.35~10.82	2290	720~2650	10.1	3.2~11.6	99
2.5+3.5+3.5	2.52	3.54	3.54	-	9.60	2.71~10.65	2620	610~2990	11.5	2.7~13.1	99
2.5+3.5+5.0	2.18	3.05	4.37	-	9.60	3.07~10.75	2420	690~2800	10.6	3.0~12.3	99
2.5+3.5+6.0	2.00	2.80	4.80	-	9.60	3.32~10.81	2330	730~2690	10.2	3.2~11.8	99
2.5+3.5+7.1	1.83	2.56	-	5.21	9.60	3.59~10.90	2300	790~2690	10.1	3.5~11.8	99
2.5+5.0+5.0	1.92	-	3.84	3.84	9.60	3.44~10.85	2290	800~2680	10.1	3.5~11.8	99
2.5+5.0+6.0	1.78	-	3.56	4.26	9.60	3.69~11.00	2230	830~2660	9.8	3.6~11.7	99
3.5+3.5+3.5	3.20	3.20	3.20	-	9.60	2.95~10.72	2610	660~3040	11.5	2.9~13.4	99
3.5+3.5+5.0	2.80	2.80	4.00	-	9.60	3.32~10.81	2420	750~2800	10.6	3.3~12.3	99
3.5+3.5+6.0	2.58	2.58	4.44	-	9.60	3.57~10.88	2330	780~2730	10.2	3.4~12.0	99
3.5+5.0+5.0	2.48	-	3.56	3.56	9.60	3.69~11.00	2360	840~2720	10.4	3.7~11.9	99
2.5+2.5+2.5+2.5	2.40	2.40	2.40	2.40	9.60	2.83~10.70	2390	650~2660	10.5	2.9~11.7	99
2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.06	9.60	3.07~10.75	2390	700~2710	10.5	3.1~11.9	99
2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	9.60	3.44~10.85	2180	770~2600	9.6	3.4~11.4	99
2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.26	9.60	3.69~11.00	2130	800~2580	9.4	3.5~11.3	99
2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	9.60	3.32~10.81	2270	730~2710	10.0	3.3~11.9	99
2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.55	9.60	3.69~11.00	2180	830~2680	9.6	3.6~11.8	99
2.5+3.5+3.5+3.5	1.86	2.58	2.58	2.58	9.60	3.57~10.88	2270	810~2750	10.0	3.6~12.1	99

3D039605#3

SYMBOLS

TC : Total cooling capacity (A)
PI : Power input (A)

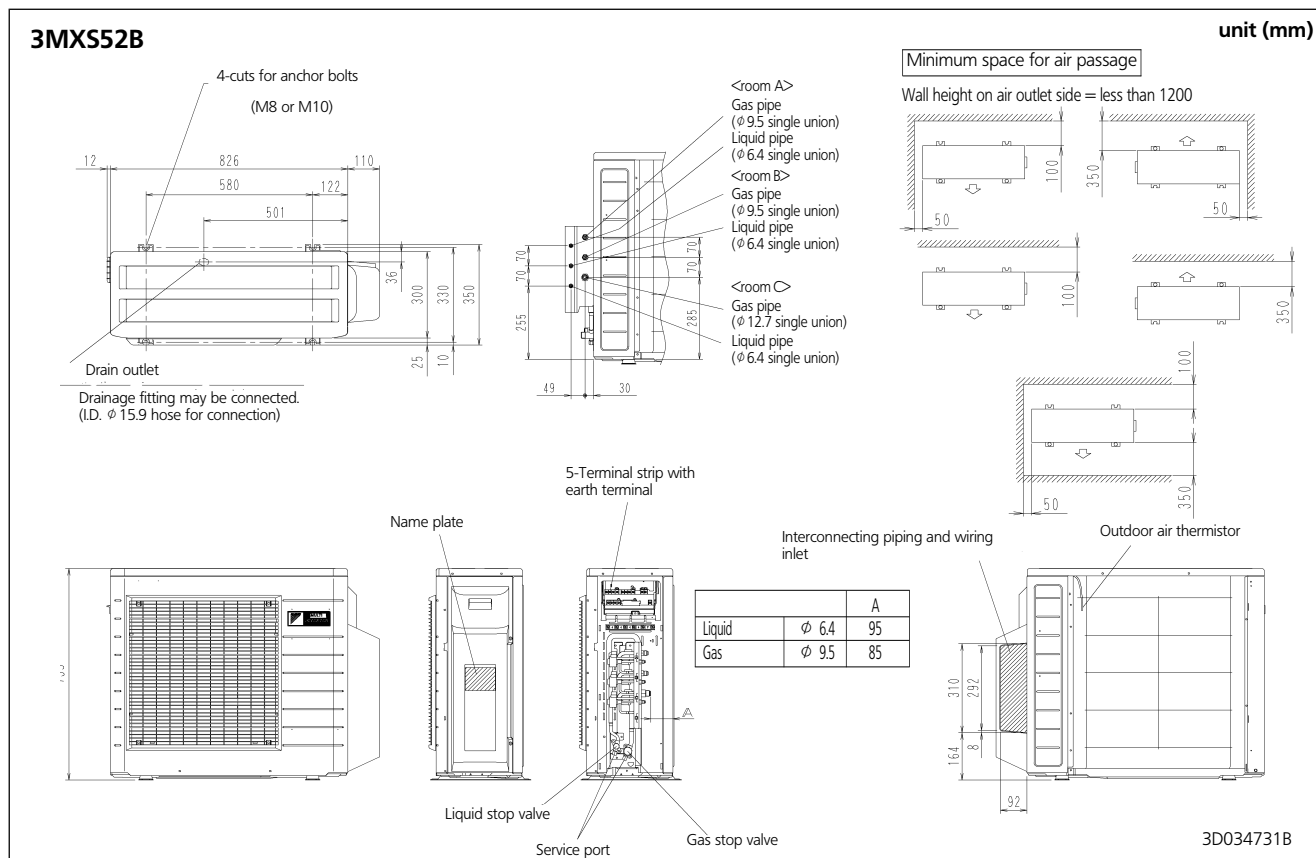
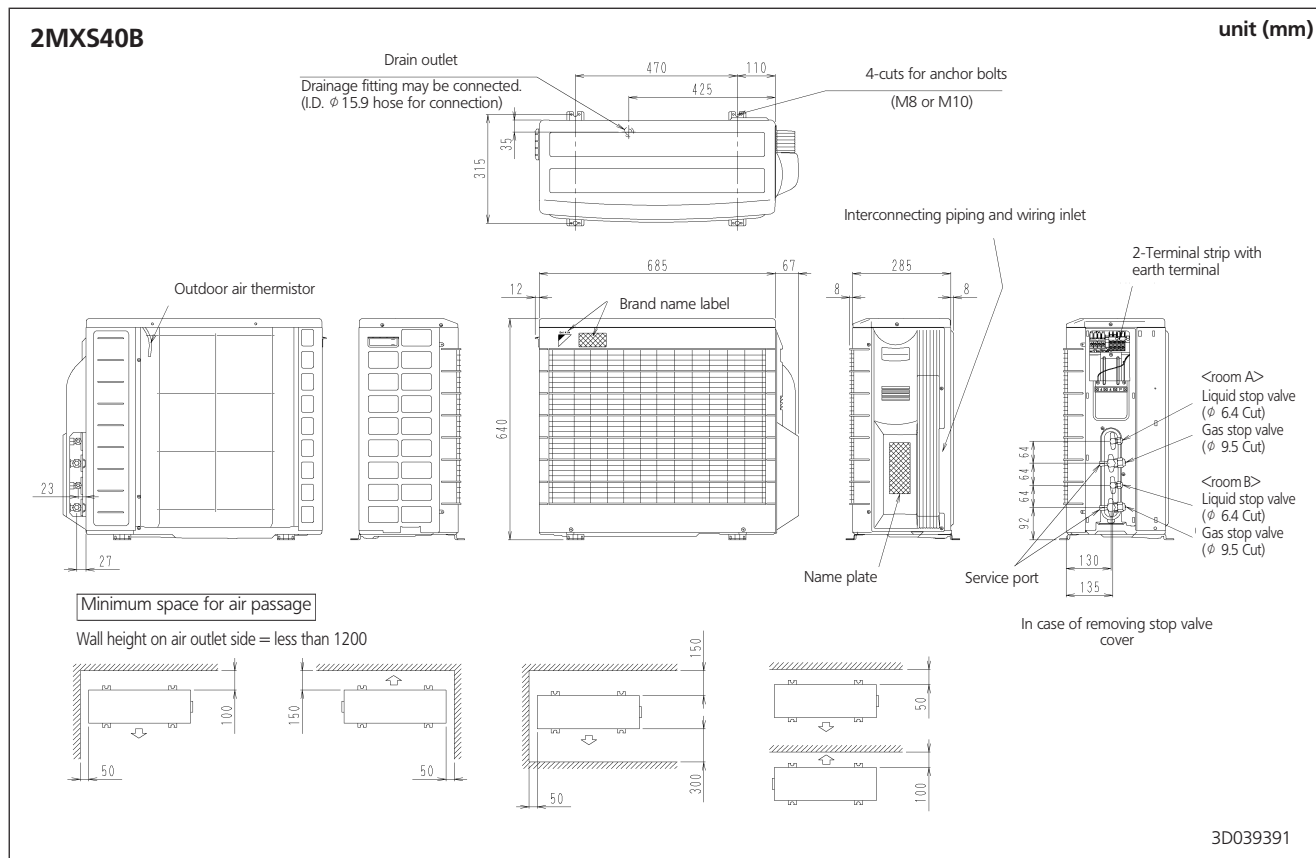
NOTES

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The total ability of connected a indoor unit is up to 10.0 kW
- It is impossible to connect the indoor unit for one room only.

4 Dimensional drawings



4



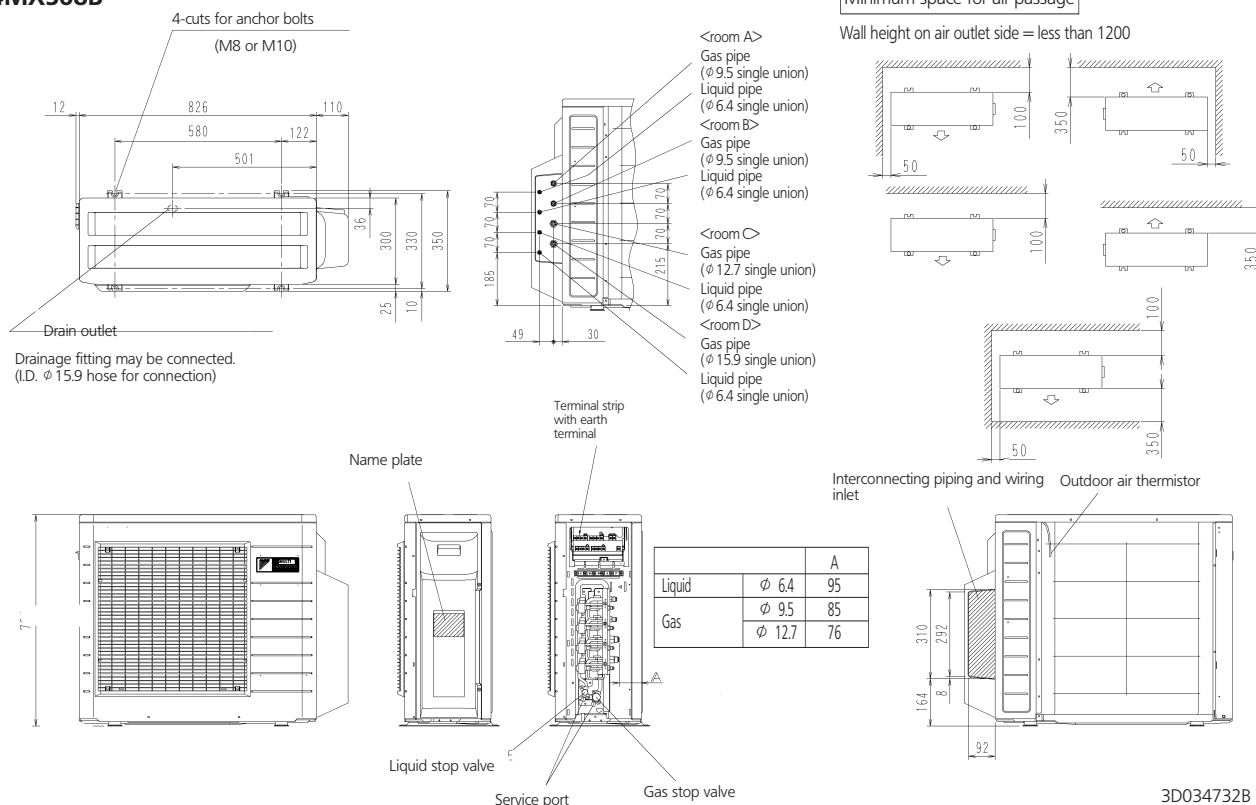


4 Dimensional drawings

4

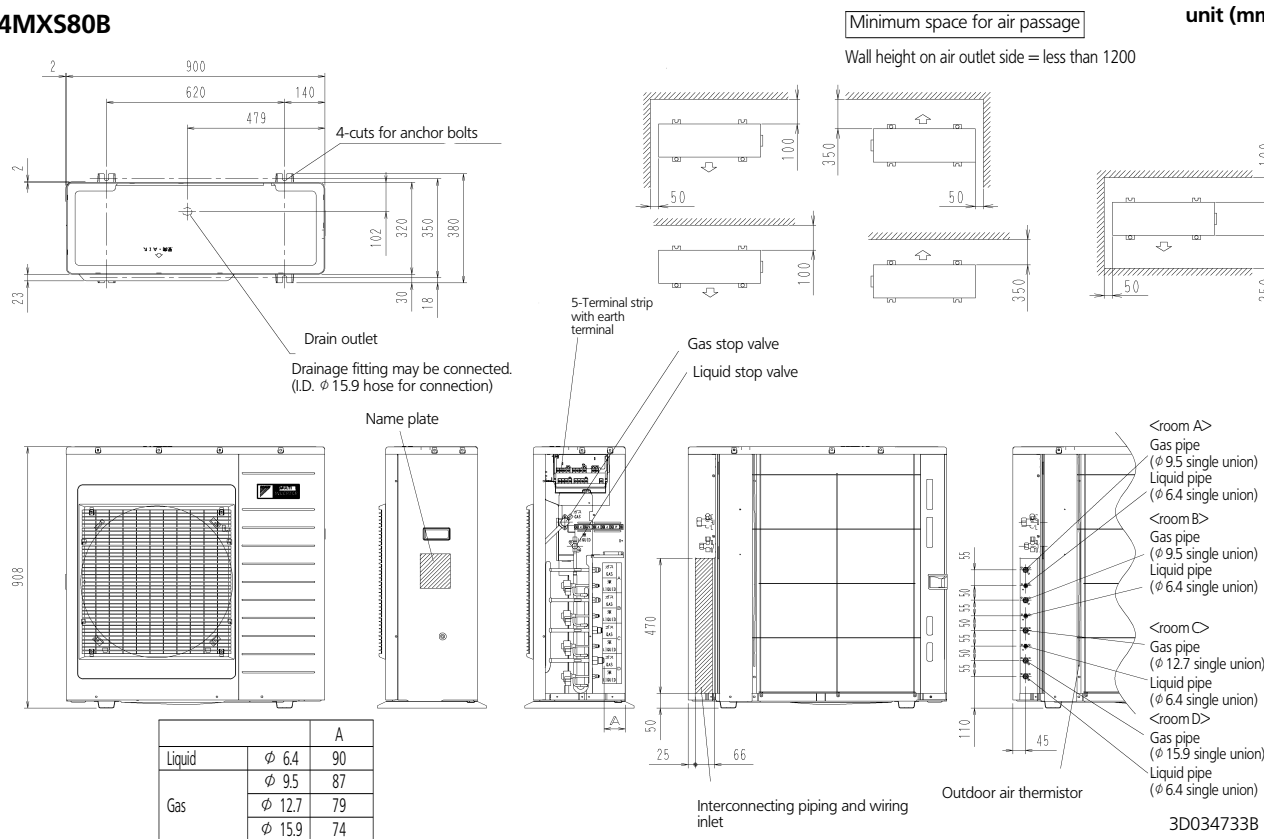
4MXS68B

unit (mm)



4MXS80B

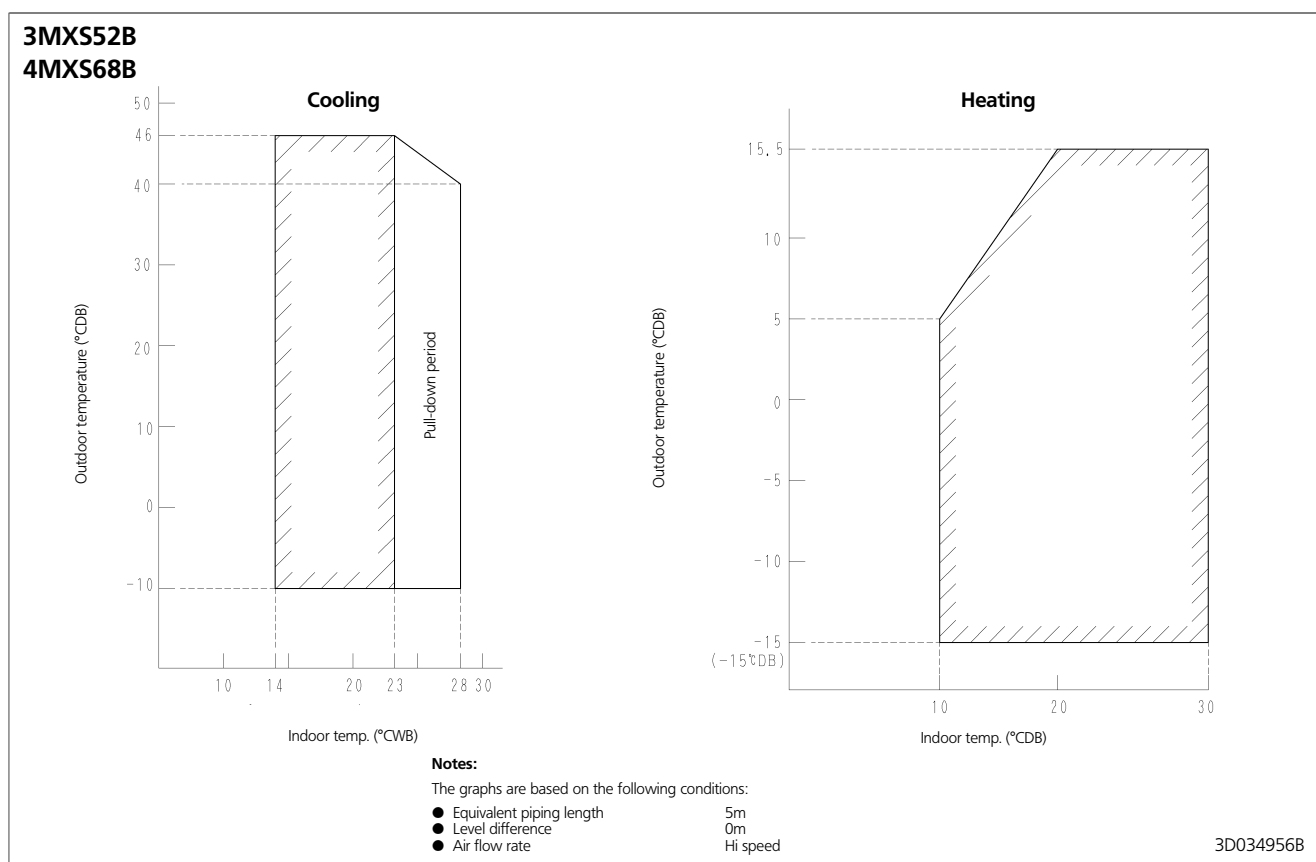
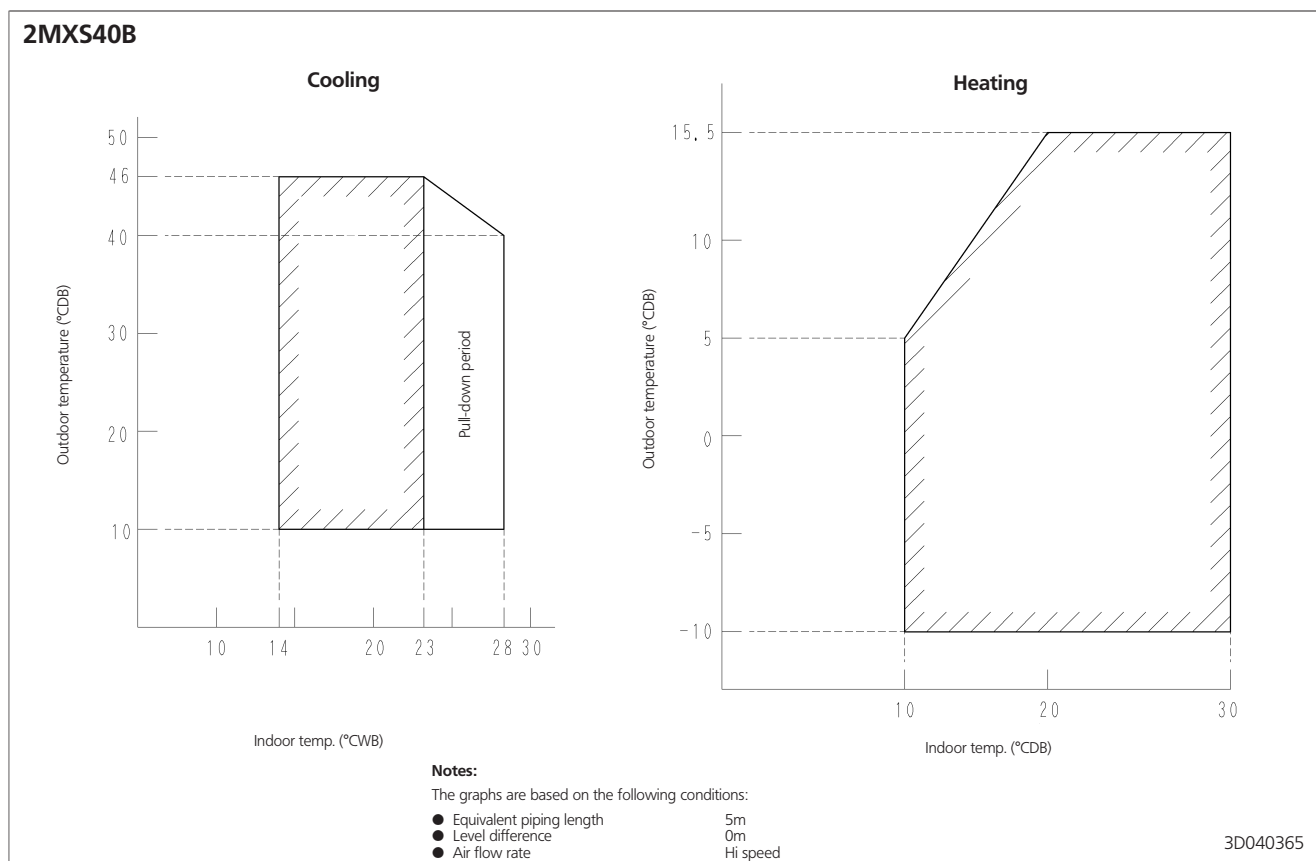
unit (mm)



5 Operation range



5

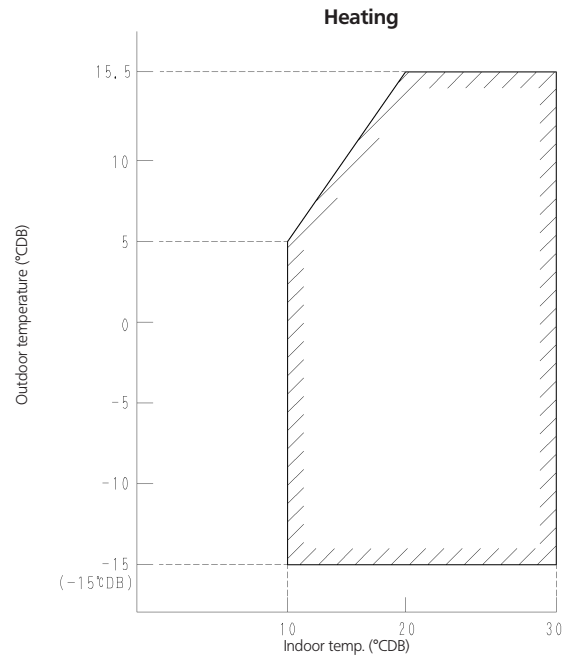
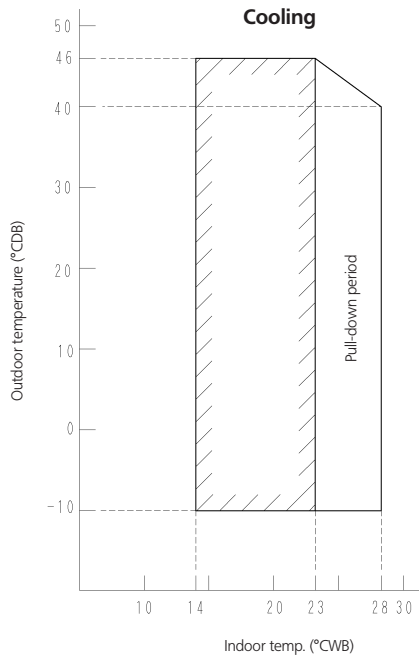


5 Operation range



5

4MXS80B



Notes:

The graphs are based on the following conditions:

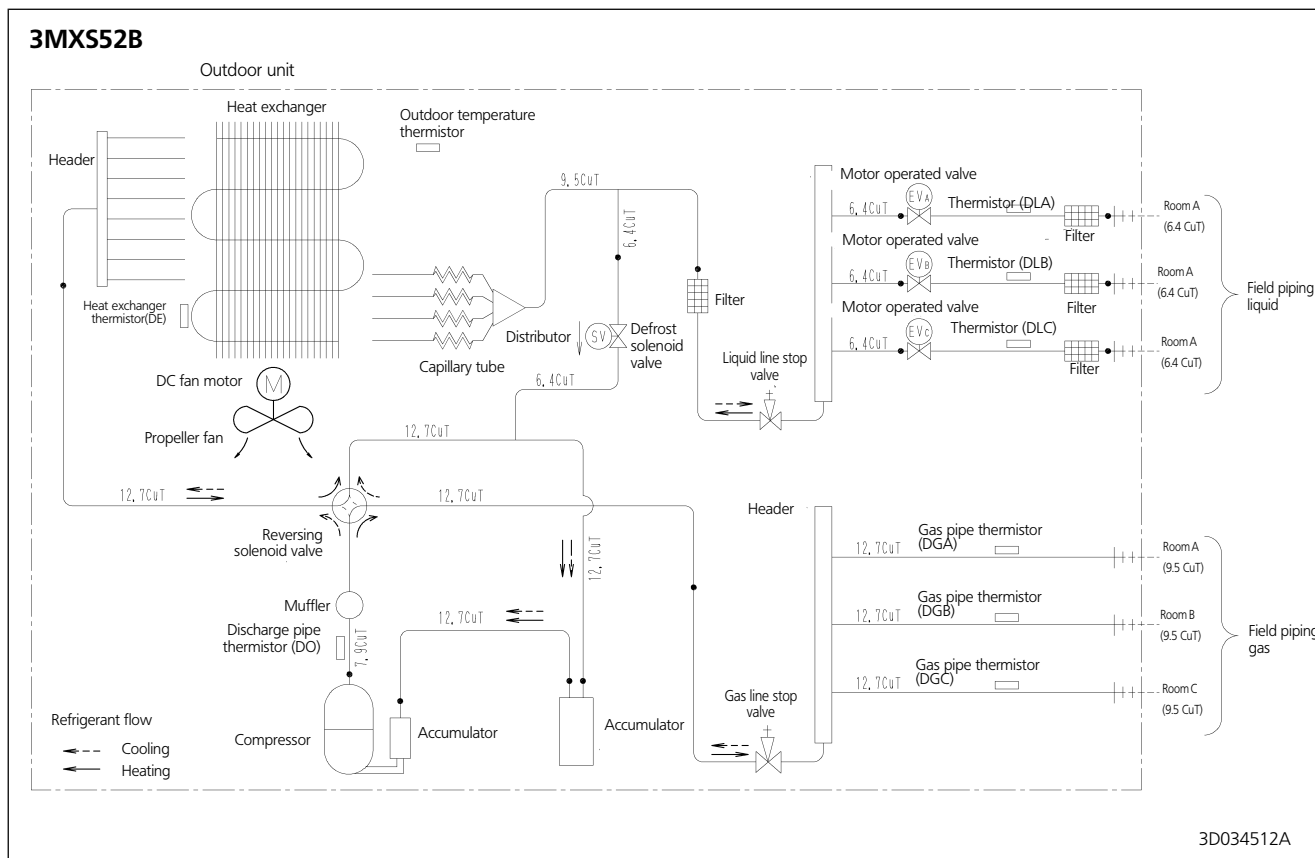
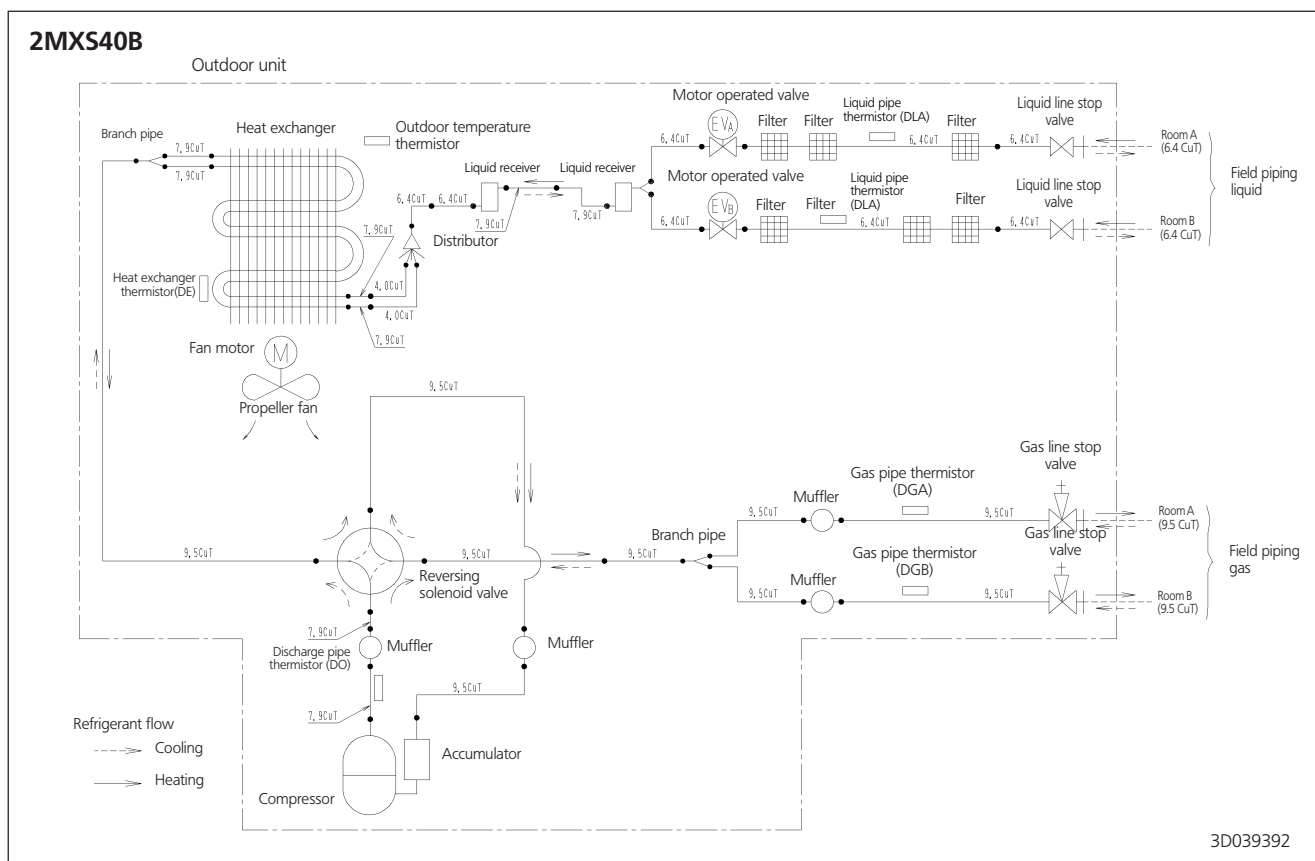
- Equivalent piping length 5m
- Level difference 0m
- Air flow rate Hi speed

3D034958B

6 Piping diagrams



6

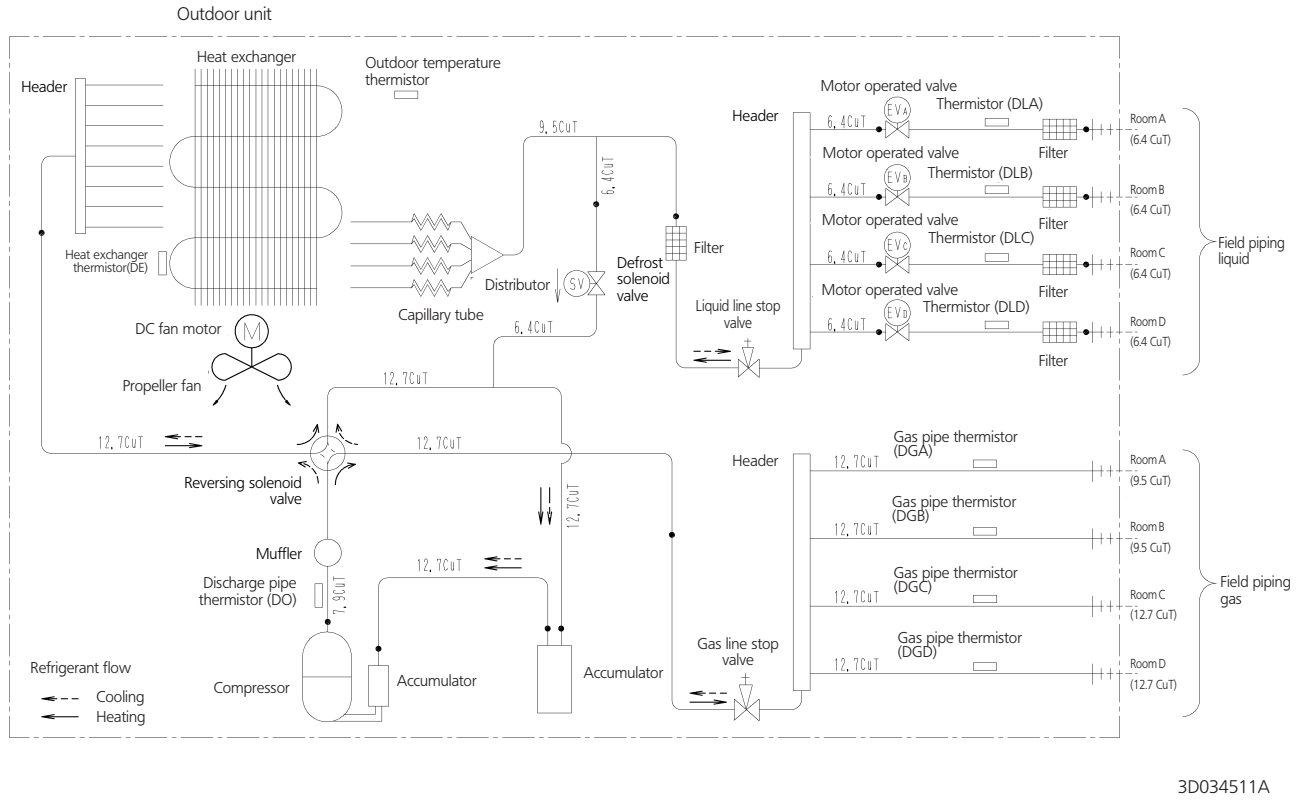


6 Piping diagrams

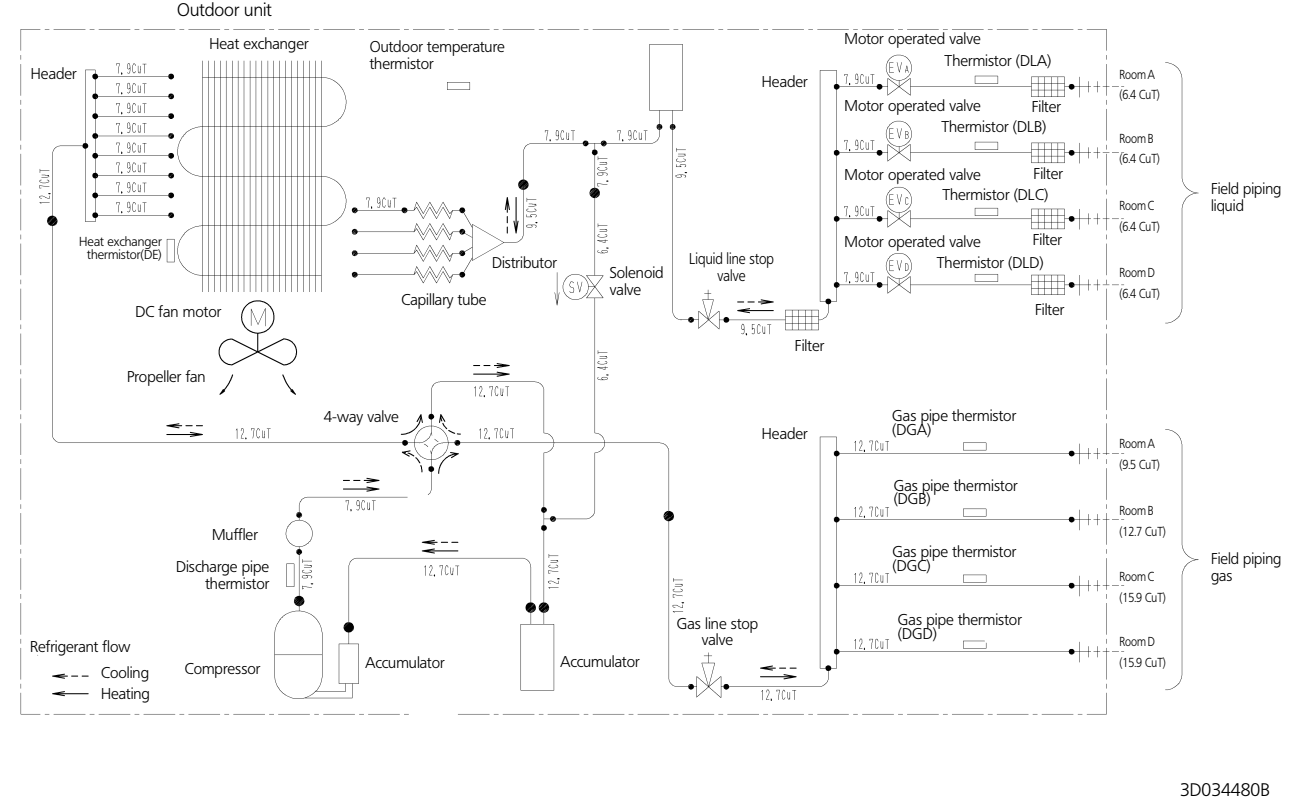


6

4MXS68B



4MXS80B

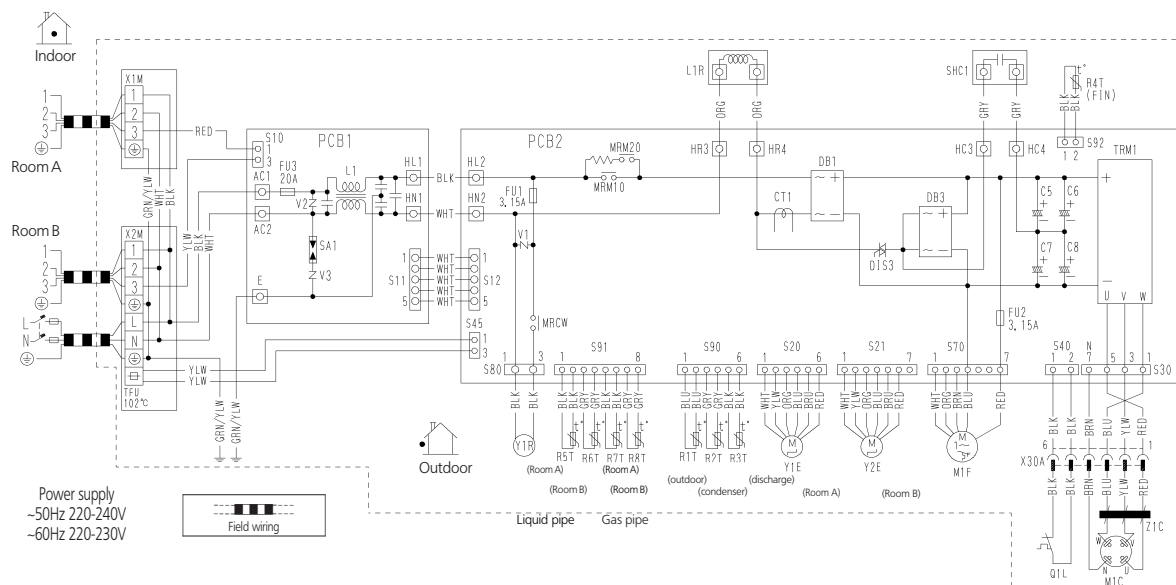


7 Wiring diagrams



7

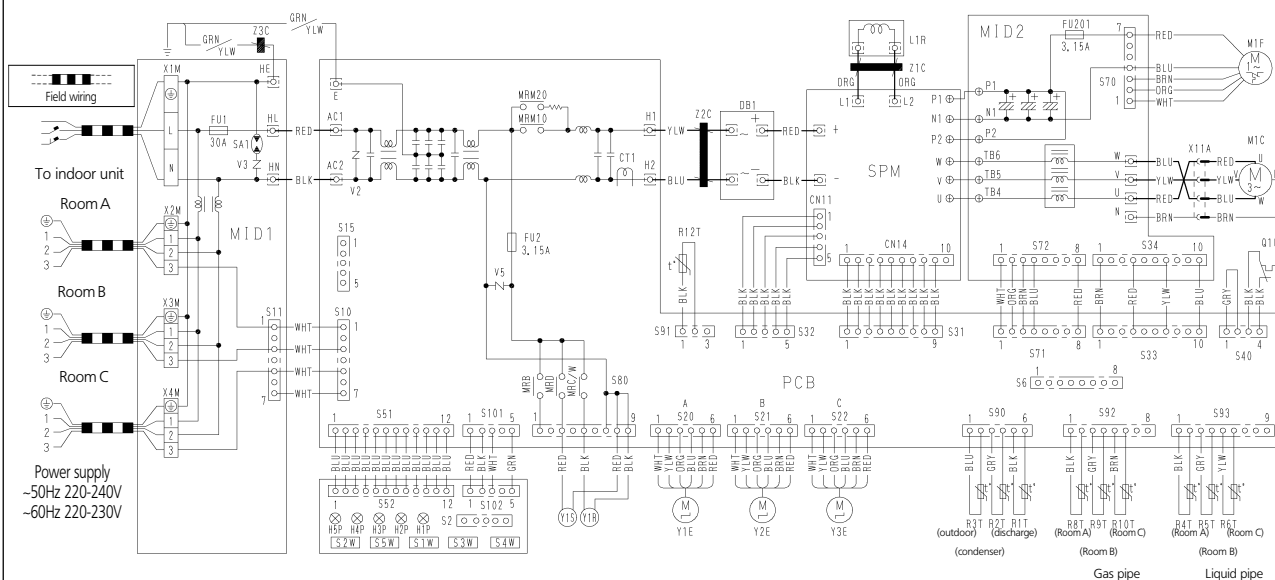
2MXS40B



- | | | |
|-------------------------------------|---|---|
| C5~C8, SHC1 : Capacitor | OIS3 : Solid state relay | ⊕ : Protective earth |
| CT1 : Current transformer | PCB1, PCB2 : Printed circuit board | S10~S12, S20, S21, S30 |
| DB1, DB2 : Diode bridge | Q1L : Overload protector | S40, S45, S70, S80, S90~S92 |
| F1U, F2U : Fuse | R1T~R8T : Thermistor | HL1, HL2, HN1, HN2, HR3, HR4 |
| L : Live | SA1 : Surge arrester | AC1, AC2, HC3, HC4, E, X30A : Connector |
| L1 : Coil | TFU : Thermal fuse | |
| L1R : Reactor | TRM1 : Transistor module | |
| M1C : Compressor motor | V1, V2, V3 : Varistor | |
| M1F : Fan motor | X1M, X2M : Terminal strip | |
| MRCW, MRM10, MRM20 : Magnetic relay | Y1E~Y2E : Electronic expansion valve coil | |
| N : Neutral | Y1R : Reversing solenoid valve coil | |
| | Z1C : Ferrite core | |

3D039565

3MXS52B



- | | | |
|---|---|-------------------------------------|
| Z1C~Z3C : Ferrite core | R1T~R12T : Thermistor | Y1R : Reversing solenoid valve coil |
| X1M~X4M : Terminal strip | S2~S102 : Pilot lamp | Y15 : Defrost solenoid valve |
| Y1E~Y3E : Electronic expansion valve coil | H1P~H5P : Surge arrester | PCB : Printed circuit board |
| V2~V5 : Varistor | L : Live | DB1 : Diode bridge |
| F1U, F2U, FU201 : Fuse | N : Neutral | M1C : Compressor motor |
| HE, HL, HN : Connector | S1W : Forced operation on/off switch (SW1) | M1F : Fan motor |
| E, AC1, AC2 : Connector | S2W : Forced operation mode select sw (SW2) | L1R : Reactor |
| MRM10, MRM20 : Magnetic relay | S3W : Wiring error check SW (SW3) | Q1L : Overload protector |
| MRB, MRD, MRCW : Magnetic relay | S4W : Priority room setting SW (SW4) | CT1 : Current transformer |
| | S5W : Night quiet mode setting SW (SW5) | |
| | SA1 : Surge arrester | |

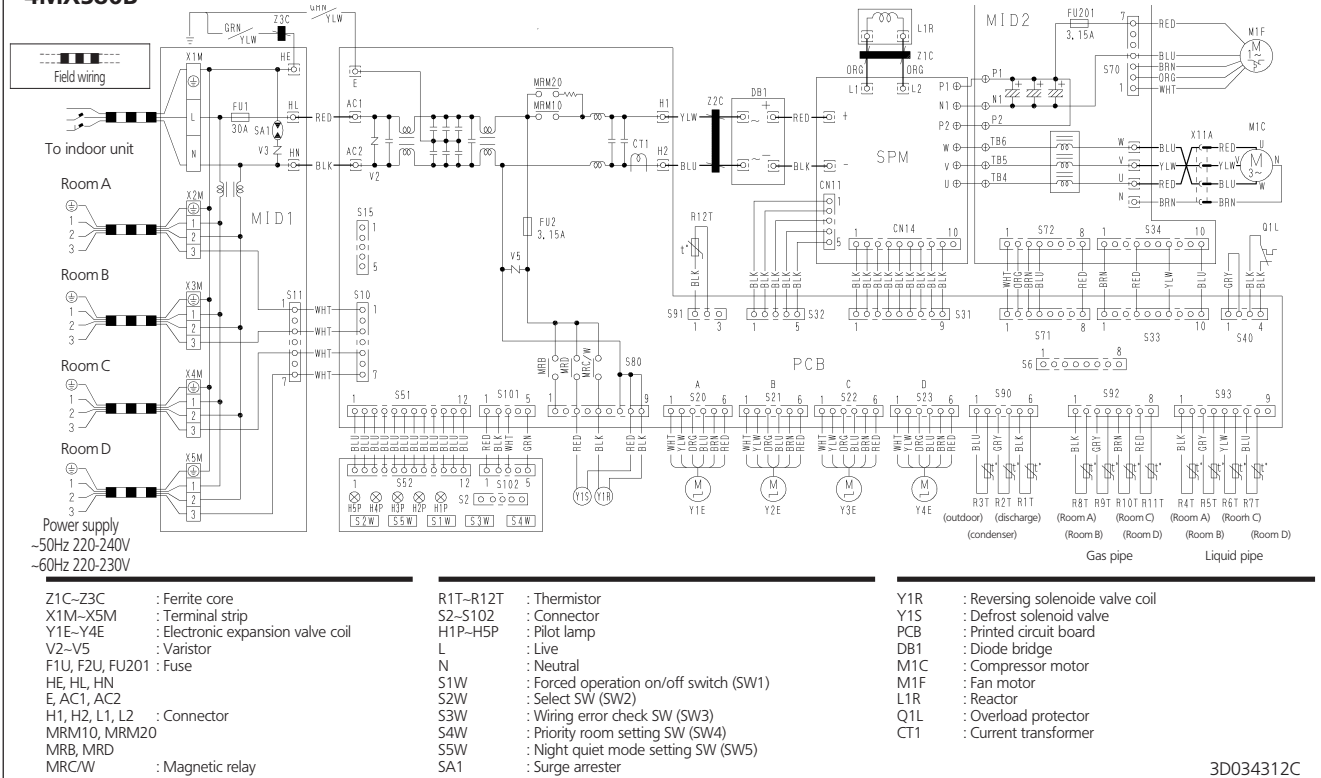
3D034314C

7 Wiring diagrams



7

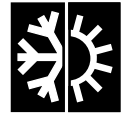
4MXS68B 4MXS80B



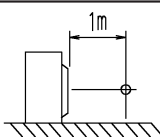
3D034312C

8 Sound level

8-1 Sound level data



Heat pump

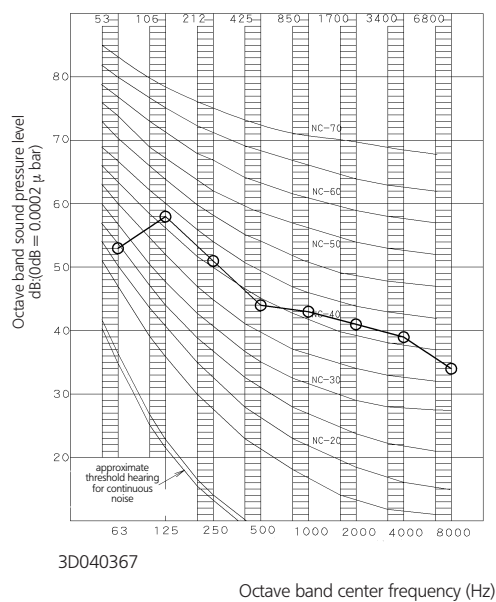
Model	Sound pressure level		Measuring location	Sound power level (cooling/heating)
	230V, 50Hz			
	Cooling/Heating			
	H	L		
2MXS40B	47/48	43/44		60/61
3MXS52B	46/47	*/*		59/60
4MXS68B	48/49	*/*		61/62
4MXS80B	48/49	*/*		61/62

* This information was not available at the time of publication.

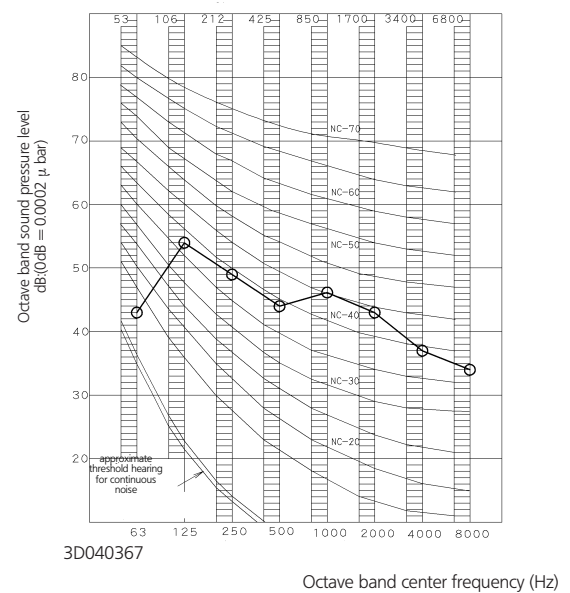
8
8-1

8-2 Sound pressure spectrum

2MXS40B (Cooling)



2MXS40B (Heating)



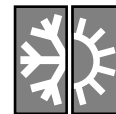
Legend



50/60Hz, 220-240/220-230V

NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20μPa



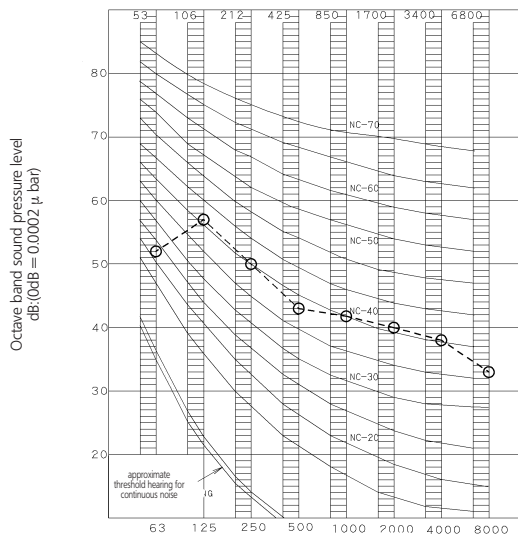
8 Sound level

8-2 Sound pressure spectrum

8 Heat pump

8-2

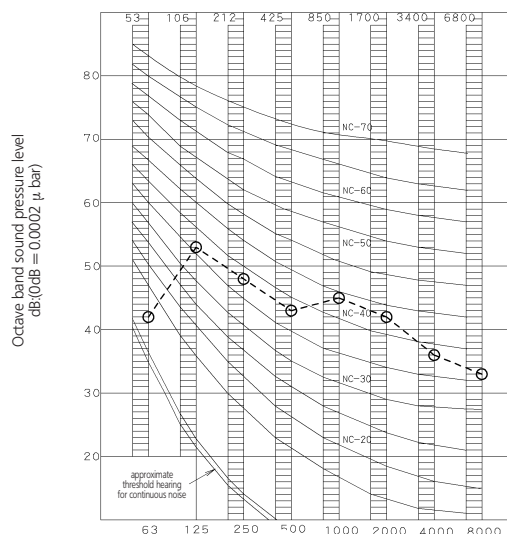
3MXS52B (Cooling)



3D034806A

Octave band center frequency (Hz)

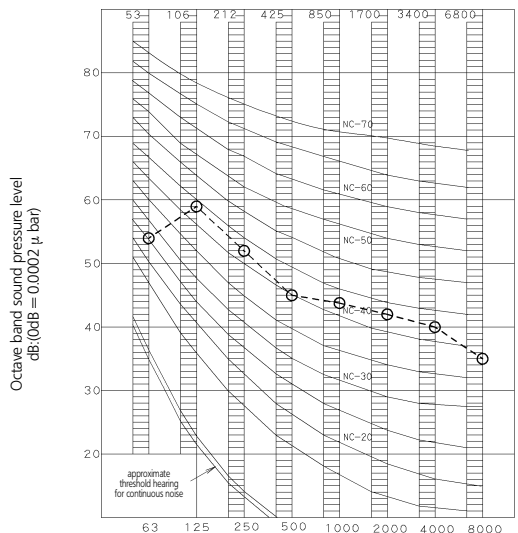
3MXS52B (Heating)



3D034806A

Octave band center frequency (Hz)

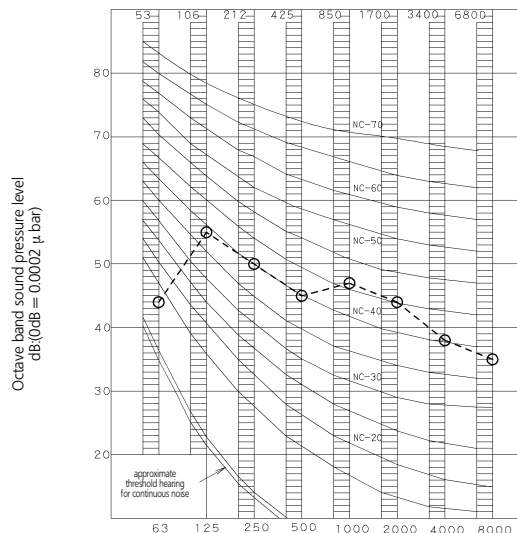
4MXS68B (Cooling)



3D034807A

Octave band center frequency (Hz)

4MXS68B (Heating)



3D034807A

Octave band center frequency (Hz)

Legend

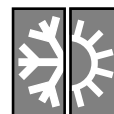
- 50/60Hz, 220-240/220-230V
- - ○

NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20μPa

8 Sound level

8-2 Sound pressure spectrum

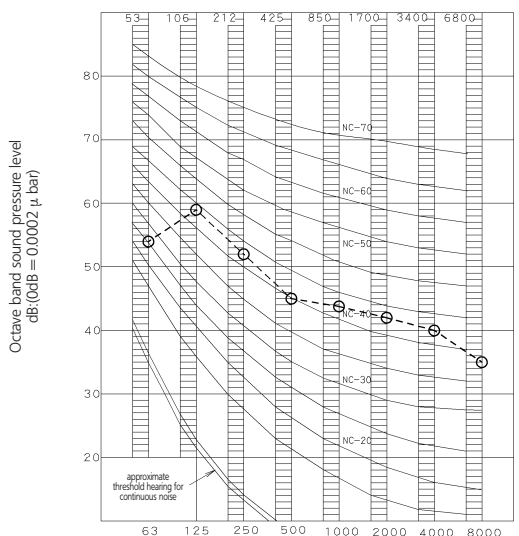


Heat pump

8

8-2

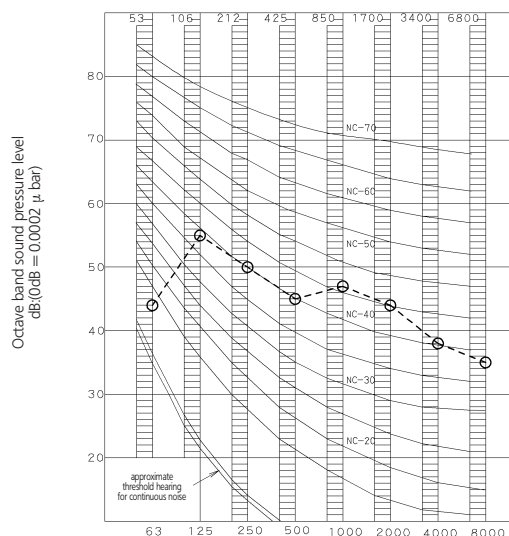
4MXS80B (Cooling)



3D034808A

Octave band center frequency (Hz)

4MXS80B (Heating)



3D034808A

Octave band center frequency (Hz)

Legend

- 50/60Hz, 220-240/220-230V
- - ○

NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20μPa

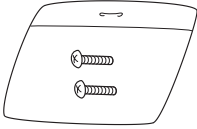


9 Accessories

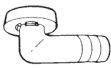
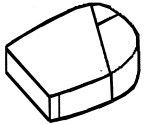
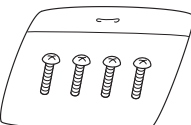
9-1 Standard accessories

9 2MXS40B

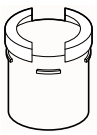
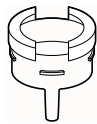
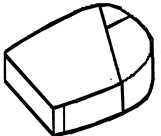
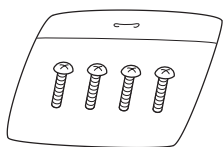
9-1

Accessories supplied with the outdoor unit:			
Installation manual	1	Screw bag  There are two screws for the wire retainer inside.	1

3MXS52/4MXS68B

Accessories supplied with the outdoor unit:			
(A) Installation manual	1	(B) Drain plug  There is on the bottom packing case.	1
(C) Reducer assy  There is on the bottom packing case.	1	(D) Screw bag For fixing electrical wire anchor bands  There is on the bottom packing case.	1

4MXS80B

Accessories supplied with the outdoor unit:					
(A) Drain socket 	1	(B) Drain cap 	2	(C) Drain receiver 	3
(D) Reducer assy 	1	(E) Screw bag For fixing electrical wire anchor bands 	1	(F) Installation manual	1

9-2 Optional accessories

MXS-B

	2MXS40BVMB	3MXS52BVMB	4MXS68BVMB	4MXS80BVMB
Air direction adjustment grille	KPW937A4	KPW945A4		

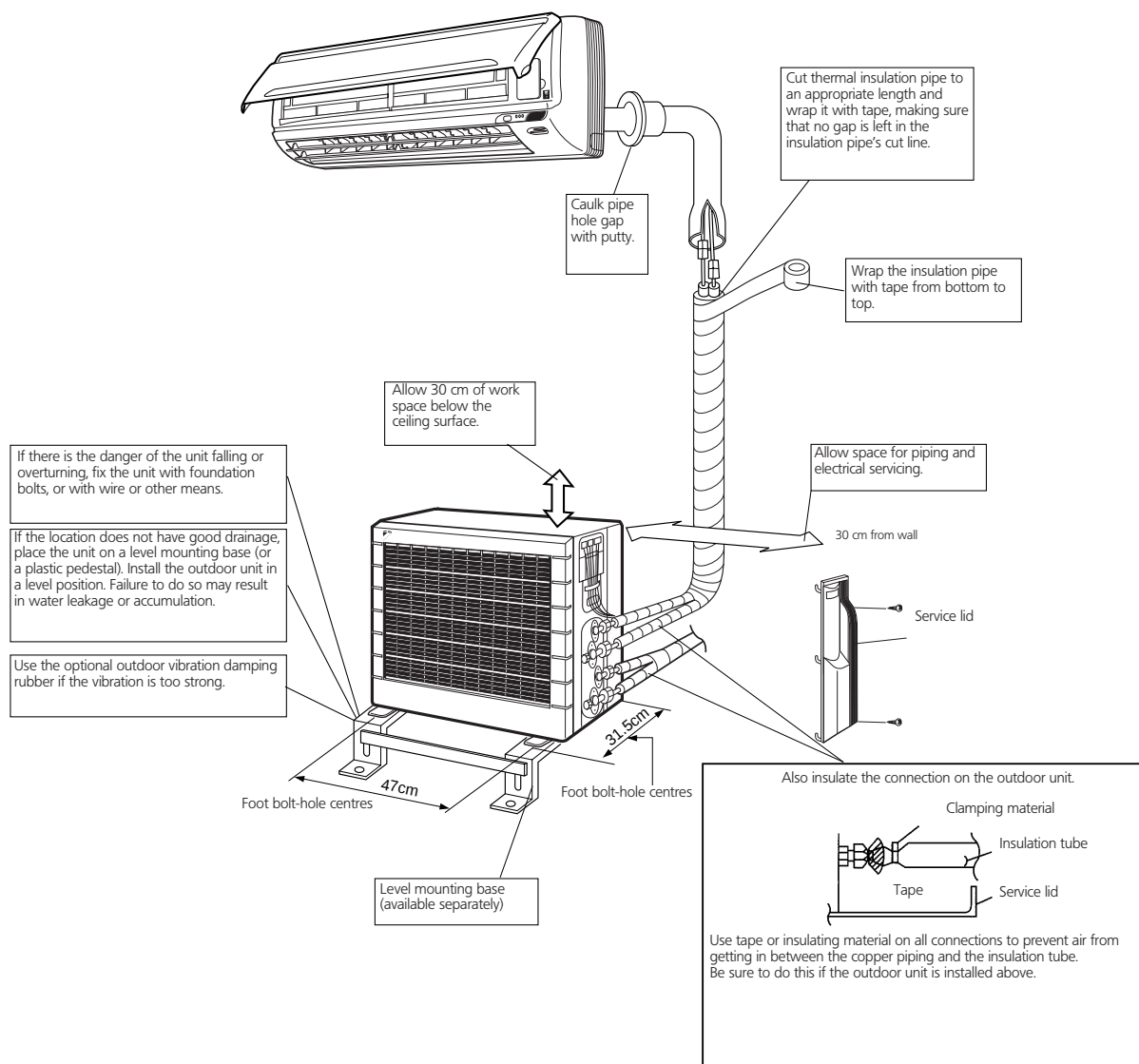
10 Installation



10

2MXS40B

Indoor/outdoor unit installation drawings



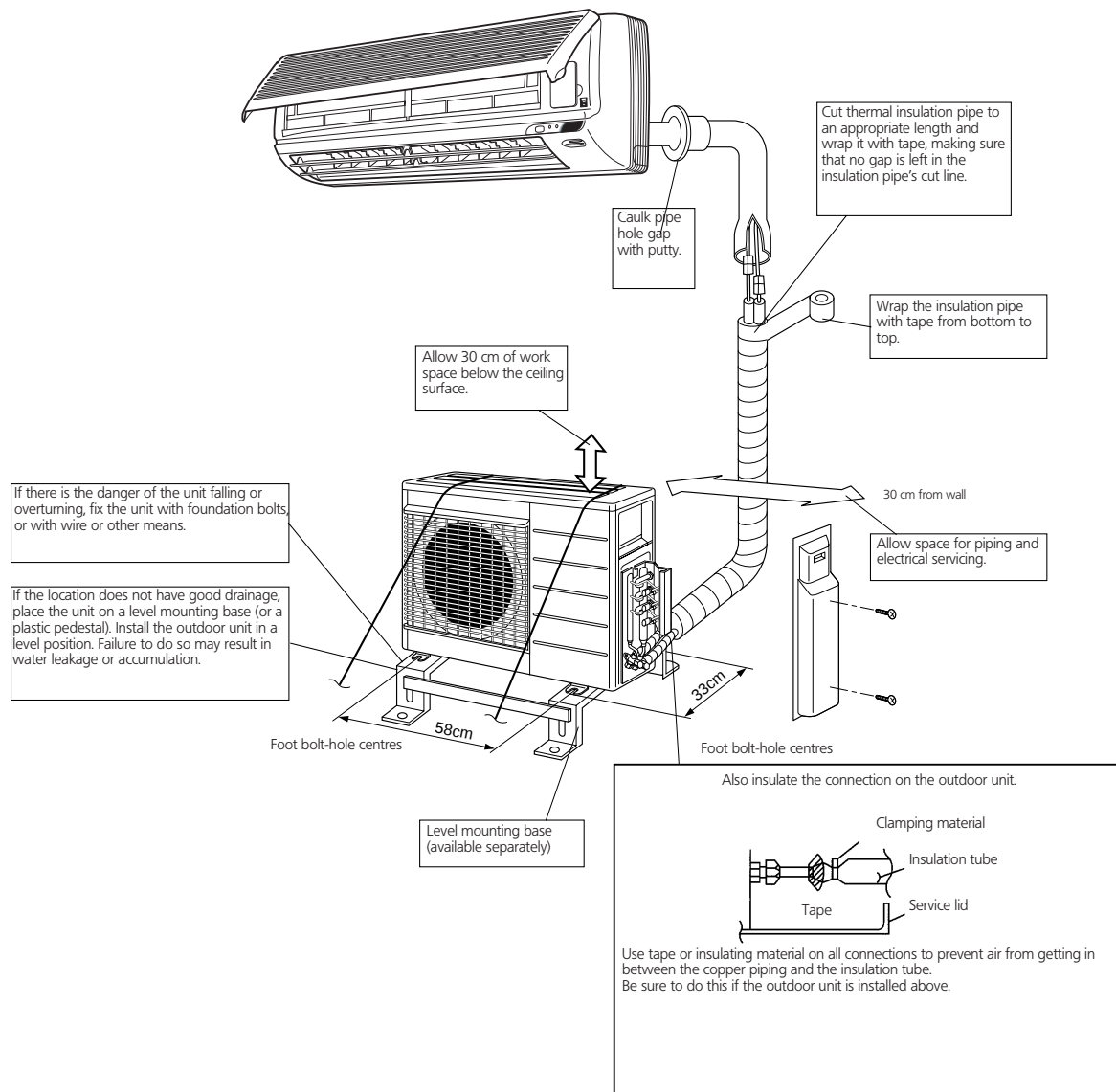
10 Installation



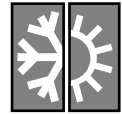
10

3MXS52B
4MXS68B

Indoor/outdoor unit installation drawings



10 Installation



10

4MXS80B

Indoor/outdoor unit installation drawings

