

Air Conditioning
Technical Data

2AMXF-A



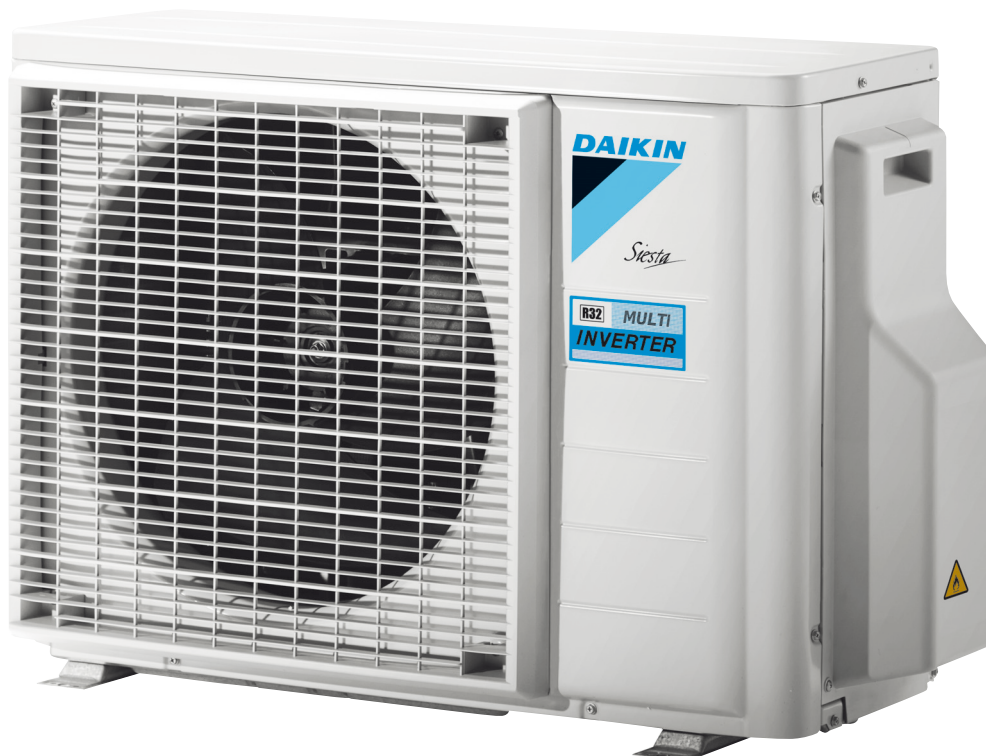
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1 Features

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 2 indoor units can be connected to 1 siesta 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 wall mounted indoor units can be connected
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



Inverter

2 Specifications

2-1 Capacity and Power input				ATXF25A5V1B / ATXF25A5V1B / 2AMXF40A2V1B	ATXF25A5V1B / ATXF35A5V1B / 2AMXF40A2V1B	ATXF25A5V1B / ATXF25A5V1B / 2AMXF50A2V1B	ATXF25A5V1B / ATXF35A5V1B / 2AMXF50A2V1B	ATXF35A5V1B / ATXF35A5V1B / 2AMXF50A2V1B		
Cooling capacity	Nom.		kW	4.00		5.00				
			Btu/h	13,648		17,060				
			kcal/h	3,439		4,299				
Heating capacity	Nom.		kW	4.20		5.60				
			Btu/h	14,331		19,108				
			kcal/h	3,611		4,815				
Power input	Cooling	Nom.	kW	1.15	1.14	1.49	1.48			
	Heating	Nom.	kW	1.04	1.02	1.51	1.50	1.49		
Space cooling	Capacity	Pdesign	kW	4.00		5.00				
	Energy efficiency class			A++						
	SEER			7.00	6.93	7.10		7.00		
	Annual energy consumption			kWh/a	200	202	247	246	250	
	A Condition (35°C - 27/19)	Pdc		kW	4.00		5.00			
				EERd	3.48	3.53	3.35	3.37	3.38	
	B Condition (30°C - 27/19)	Pdc		kW	2.95		3.68			
				EERd	5.89	5.85	5.61		5.54	
	C Condition (25°C - 27/19)	Pdc		kW	1.89		2.37			
				EERd	7.83	7.71	8.44		8.31	
	D Condition (20°C - 27/19)	Pdc		kW	1.05	1.09	1.84	1.86	1.90	
EERd				11.44	11.32	12.12	12.11	11.79		
Space heating (Average climate)	Capacity	Pdesign	kW	3.20		4.20				
	Energy efficiency class			A+						
	SCOP/A			4.01	4.00	4.10				
	SCOPnet/A			4.05	4.04	4.14				
	Pdh Heating capacity at -10°			kW	2.46	2.48	3.32	3.33	3.34	
	Annual energy consumption			kWh/a	1,116	1,119	1,434			
	Required back up heating cap at design conditions			kW	0.74	0.72	0.88	0.87	0.86	
	TOL	Tol (temperature operating limit)		°C	-15					
				Pdh (declared heating cap)	kW	1.85		2.65		
				COPd (declared COP)	1.99		2.06			
	TBivalent	Tbiv (bivalent temperature)		°C	-7					
				Pdh (declared heating cap)	kW	2.83		3.72		
				COPd (declared COP)	2.76		2.54			
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.83		3.72			
				COPd (declared COP)	2.76		2.54			
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.72		2.26			
				COPd (declared COP)	4.11		4.17			
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.11		1.45			
				COPd (declared COP)	4.77	4.75	5.19			
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.68	0.70	1.32			
				COPd (declared COP)	5.50	5.42	6.52			
	Cooling	Cdc (Degradation cooling)			0.25					
	Heating	Cdh (Degradation heating)			0.25					
Cooling function included				Yes						
Heating function included				Yes						
Average climate included				Yes						
Cold season included				No						
Warm season included				Yes						
Ecolabel logo				No						

2 Specifications

2

2-1 Capacity and Power input					ATXF25A5V1B / ATXF25A5V1B / 2AMXF40A2V1B	ATXF25A5V1B / ATXF35A5V1B / 2AMXF40A2V1B	ATXF25A5V1B / ATXF25A5V1B / 2AMXF50A2V1B	ATXF25A5V1B / ATXF35A5V1B / 2AMXF50A2V1B	ATXF35A5V1B / ATXF35A5V1B / 2AMXF50A2V1B	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	60					
	Sound power level indoor	Cooling	Nom.	dBA	55		58			
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				3.48	3.53	3.35	3.37	3.38	
	COP				4.06	4.14	3.71	3.73	3.75	
	Annual energy consumption				kWh	575	570	747	742	740
	Energy labeling Directive	Cooling			A					
Heating			A							
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	9					
			Heating	W	11					
	Crankcase heater mode	PCK		W	0.00					
	Off mode	POFF		W	2.00					
	Standby mode	Cooling	PSB	W	2.00					
		Heating	PSB	W	2.00					
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.30		3.00			
	Energy efficiency class				A++		A+++			
	SCOP				4.69	4.65	5.10			
	SCOPnet				4.75	4.71	5.16			
	Annual energy consumption				kWh/a	686	692	823		
	Required back up heating cap at design conditions				kW	0.00				
	TOL	Tol (temperature operating limit)		°C	-15					
		Pdh (declared heating cap)		kW	1.85		2.65			
		COPd (declared COP)			1.99		2.06			
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	2.30		3.00			
		COPd (declared COP)			3.30		3.58			
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.30		3.00			
		COPd (declared COP)			3.30		3.58			
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.48		1.93			
COPd (declared COP)			4.26	4.24	4.64					
D Condition (12°C)	Pdh (declared heating cap)		kW	0.68	0.70	1.32				
	COPd (declared COP)			5.50	5.42	6.52				

Notes

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

2-2 Technical Specifications		2AMXF40A	2AMXF50A
Capacity control	Method	Variable (inverter)	
Casing	Colour	Ivory white	

2 Specifications

2-2 Technical Specifications					2AMXF40A		2AMXF50A		
Dimensions	Unit	Height	mm		550				
		Width	mm		765				
		Depth	mm		285				
	Packed unit	Height	mm		614				
		Width	mm		900				
		Depth	mm		357				
Weight	Unit		kg		36		41		
	Packed unit		kg		38		43		
Heat exchanger	Length		mm		805		810		
	Rows	Quantity			2				
	Fin pitch		mm		1.50				
	Stages	Quantity			24				
	Passes	Quantity			3.2				
	Tube type				7.0 Hi-XD		8.1 Hi-XA		
	Tube diameter		mm		7.0		8.1		
	Fin	Type			WF fin				
		Treatment			Anti-corrosion treatment				
	Compressor	Power input	Cooling	Nom.	W	970		1,246	
Heating			Nom.	W	981		1,372		
Quantity					1				
Model					1YC25GXD#C		2YC40JXD#C		
Oil Amount		cm ³		375		650			
Type		Hermetically sealed swing compressor							
Output		W		800		1,300			
Oil Type		FW68DA							
Fan	Type		Propeller fan						
	Discharge direction		Horizontal						
	Quantity		1						
	Air flow rate	Cooling	High	m ³ /min	36		37		
				cfm	1,271		1,306		
		Heating	High	m ³ /min	32		34		
			cfm	1,130		1,200			
Fan motor	Quantity		1						
	Model		LFD-280-23-8F						
	Output		W		50				
	Speed	Cooling	High	rpm	900		950		
			Super low	rpm	500				
		Heating	High	rpm	820		890		
Super low			rpm	320		500			
Sound power level	Cooling		dBA		60				
	Heating		dBA		62				
Sound pressure level	Cooling	High	dBA		46		48		
	Heating	High	dBA		48		50		
Refrigerant	Type		R-32						
	Charge	kg		0.88		1.15			
		TCO ₂ eq		0.60		0.78			
	Control		Expansion valve						
	GWP		675						

2 Specifications

2

2-2 Technical Specifications				2AMXF40A	2AMXF50A	
Piping connections	Liquid	Quantity		2		
		Type		Flare connection		
		OD	mm	6,4		
	Gas	Quantity		2	1	
		Type		Flare connection		
		OD	mm	9.5		
	Drain	Quantity		1		
		Type		Drain Joint		
		OD	mm	16 (inner diameter of connecting hose)		
	Gas 2	Quantity		-	1	
		Type		-	Flare connection	
		OD	mm	-	12.70	
	Piping length	OU - IU	Min.	m	20 (1)	
	Additional refrigerant charge				kg/m	
Level difference	IU - OU	Max.	m	15.0		
	IU - IU	Max.	m	7.5		
Heat insulation				Both liquid and gas pipes		
Total piping length	System	Actual	m	30.0		

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Screw bag; Quantity : 1;

Standard Accessories : Drain plug; Quantity : 1;

Standard Accessories : Reducer assembly; Quantity : 1;

2-3 Electrical Specifications				2AMXF40A	2AMXF50A
Power supply	Phase			1~	
	Frequency		Hz	50	
	Voltage		V	220-230-240	
Wiring connections	For power supply		Quantity	3	
			Remark	Earth wire included	
	For connection with indoor		Quantity	4	
			Remark	Earth wire included	

Notes

(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

2AMXF-A

Outdoor unit Model name	Power supply		Voltage range	MCA	MFA	COMP		OFM	
	Hz	Voltage				MSC	RLA	kW	FLA
2MXM40M3V1B 2MXM40M4V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,21	16	-	5,1	0,040	0,17
	50	230					5,3		
	50	240					5,6		
2MXM50M2V1B9 2MXM50M3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,93	16	-	5,9	0,042	0,18
	50	230					6,2		
	50	240					6,5		
2AMXM40M3V1B 2AMXM40M4V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,21	16	-	5,1	0,040	0,17
	50	230					5,3		
	50	240					5,6		
2AMXM50M3V1B 2AMXM50M4V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,93	16	-	5,9	0,042	0,18
	50	230					6,2		
	50	240					6,5		
2AMXF40A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,21	16	-	5,1	0,040	0,17
	50	230					5,3		
	50	240					5,6		
2AMXF50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,93	16	-	5,9	0,042	0,18
	50	230					6,2		
	50	240					6,5		

Symbols

MCA: Minimum Circuit Ampere [A]

MFA: Maximum Fuse Ampere [A]

RLA: Rated load amps [A]

OFM: Outdoor fan motor

MSC: Maximum starting current

FLA: Full Load Ampere [A]

kW: Fan motor rated output [kW]

Notes

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

3D110207B

4 Capacity tables

4 - 2 Heating Capacity Tables

2AMXF40A

Heating

·50· Hz

·230· V

①	②	Indoor air temperature [°C DB]											
		16°C		18°C		20°C		21°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2,5	-15,0	2,45	1,30	2,34	1,31	2,29	1,32	2,27	1,33	2,24	1,34	2,19	1,34
	-10,0	2,67	1,32	2,61	1,33	2,56	1,34	2,54	1,34	2,51	1,35	2,46	1,36
	-5,0	3,28	1,37	3,13	1,38	3,08	1,39	3,06	1,39	3,03	1,40	2,98	1,41
	0,0	3,70	1,42	3,65	1,43	3,60	1,44	3,57	1,44	3,55	1,45	3,50	1,46
	6,0	4,20	1,48	4,15	1,49	4,10	1,50	4,07	1,51	4,05	1,51	4,00	1,52
	10,0	4,54	1,52	4,49	1,53	4,43	1,54	4,41	1,55	4,38	1,55	4,33	1,56
	15,0	4,55	1,53	4,50	1,54	4,45	1,55	4,43	1,56	4,40	1,56	4,35	1,57
3,5	-15,0	2,64	1,52	2,58	1,53	2,53	1,54	2,50	1,55	2,47	1,56	2,42	1,57
	-10,0	2,93	1,53	2,87	1,54	2,81	1,55	2,78	1,56	2,75	1,57	2,69	1,58
	-5,0	3,43	1,54	3,37	1,56	3,31	1,57	3,28	1,58	3,25	1,59	3,19	1,61
	0,0	3,93	1,61	3,86	1,63	3,80	1,64	3,77	1,65	3,74	1,66	3,68	1,68
	6,0	4,52	1,70	4,46	1,71	4,40	1,73	4,37	1,74	4,34	1,75	4,28	1,76
	10,0	4,92	1,76	4,86	1,77	4,80	1,78	4,77	1,79	4,74	1,80	4,68	1,82
	15,0	4,94	1,77	4,88	1,78	4,82	1,79	4,79	1,80	4,76	1,81	4,70	1,82
2,5+2,5	-15,0	2,58	0,93	2,55	0,94	2,49	0,95	2,44	0,96	2,41	0,97	2,34	0,98
	-10,0	3,13	0,98	3,08	1,00	3,02	1,01	2,97	1,02	2,94	1,02	2,87	1,03
	-5,0	3,66	1,03	3,59	1,04	3,53	1,05	3,50	1,06	3,47	1,06	3,40	1,08
	0,0	4,19	1,08	4,12	1,09	4,06	1,10	4,03	1,11	4,00	1,11	3,93	1,12
	6,0	4,83	1,14	4,77	1,15	4,70	1,16	4,67	1,17	4,64	1,17	4,57	1,18
	10,0	5,19	1,18	5,15	1,19	5,12	1,20	5,09	1,20	5,06	1,21	4,99	1,22
	15,0	5,88	1,21	5,77	1,24	5,66	1,25	5,62	1,25	5,59	1,26	5,53	1,27
2,5+3,5	-15,0	2,70	0,95	2,69	0,95	2,62	0,97	2,59	0,97	2,56	0,98	2,49	0,99
	-10,0	3,28	0,99	3,22	1,00	3,15	1,01	3,12	1,02	3,09	1,02	3,02	1,03
	-5,0	3,81	1,04	3,75	1,05	3,68	1,06	3,65	1,06	3,62	1,07	3,55	1,08
	0,0	4,34	1,08	4,28	1,09	4,21	1,11	4,18	1,11	4,15	1,12	4,08	1,13
	6,0	4,98	1,14	4,91	1,15	4,80	1,16	4,75	1,17	4,74	1,17	4,72	1,18
	10,0	5,40	1,18	5,34	1,19	5,27	1,20	5,24	1,20	5,21	1,21	5,14	1,22
	15,0	6,09	1,21	5,87	1,24	5,81	1,25	5,77	1,25	5,74	1,26	5,68	1,27

Notes

1.The capacities are based on the following conditions:

Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m

2.The bold cells indicate the standard conditions.

3.The values above are for connecting with the following indoor unit types:
·2.5, 3.5· kW class

Wall mounted type

ATXF-A

4.The heating capacity does not include the capacity drop that occurs during a frosting period and defrost operation.

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

① Indoor unit combinations

② Outdoor air temperature [°C DB]

3D122041

4 Capacity tables

4 - 2 Heating Capacity Tables

4

2AMXF50A		Heating -50· Hz -230· V											
①	②	Indoor air temperature [°C DB]											
		16°C		18°C		20°C		21°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2,5	-15,0	2,03	1,11	1,98	1,12	1,93	1,13	1,89	1,14	1,87	1,14	1,82	1,14
	-10,0	2,45	1,15	2,40	1,16	2,35	1,17	2,32	1,18	2,29	1,18	2,24	1,19
	-5,0	3,03	1,22	2,98	1,23	2,93	1,24	2,90	1,24	2,88	1,25	2,83	1,25
	0,0	3,62	1,28	3,57	1,29	3,52	1,30	3,49	1,30	3,46	1,31	3,41	1,32
	6,0	4,20	1,34	4,15	1,35	4,10	1,36	4,07	1,36	4,05	1,37	4,00	1,38
3,5	10,0	4,54	1,38	4,49	1,39	4,43	1,40	4,41	1,40	4,38	1,41	4,33	1,42
	15,0	4,95	1,42	4,90	1,43	4,85	1,44	4,83	1,44	4,80	1,45	4,75	1,46
	-15,0	2,07	1,21	2,02	1,22	1,97	1,24	1,93	1,24	1,91	1,25	1,86	1,27
	-10,0	2,55	1,27	2,48	1,28	2,42	1,30	2,39	1,30	2,35	1,31	2,29	1,32
	-5,0	3,27	1,36	3,21	1,37	3,15	1,38	3,11	1,39	3,08	1,39	3,02	1,41
2,5+2,5	0,0	4,00	1,44	3,94	1,45	3,87	1,47	3,84	1,47	3,81	1,48	3,75	1,49
	6,0	4,73	1,52	4,66	1,54	4,60	1,55	4,58	1,56	4,54	1,56	4,47	1,58
	10,0	5,14	1,57	5,08	1,58	5,02	1,60	4,98	1,60	4,95	1,61	4,89	1,62
	15,0	5,66	1,63	5,60	1,65	5,53	1,66	5,50	1,66	5,47	1,67	5,38	1,67
	-15,0	2,60	1,24	2,53	1,25	2,45	1,26	2,41	1,27	2,37	1,28	2,29	1,29
2,5+3,5	-10,0	3,25	1,30	3,18	1,32	3,10	1,33	3,06	1,33	3,02	1,34	2,94	1,35
	-5,0	4,16	1,38	4,08	1,40	4,00	1,41	3,96	1,41	3,92	1,42	3,84	1,43
	0,0	5,06	1,46	4,98	1,48	4,90	1,49	4,86	1,50	4,82	1,50	4,74	1,51
	6,0	5,96	1,54	5,88	1,56	5,80	1,57	5,76	1,58	5,72	1,58	5,64	1,60
	10,0	6,47	1,59	6,39	1,60	6,31	1,62	6,28	1,62	6,24	1,63	6,16	1,64
3,5+3,5	15,0	7,12	1,65	7,04	1,66	6,96	1,67	6,92	1,68	6,88	1,69	6,80	1,70
	-15,0	2,69	1,28	2,61	1,29	2,53	1,30	2,49	1,31	2,45	1,32	2,36	1,33
	-10,0	3,36	1,34	3,28	1,36	3,20	1,37	3,16	1,38	3,12	1,38	3,04	1,39
	-5,0	4,30	1,42	4,22	1,44	4,13	1,45	4,09	1,46	4,05	1,46	3,97	1,47
	0,0	5,23	1,50	5,15	1,52	5,07	1,53	5,03	1,54	4,99	1,54	4,90	1,55
3,5+3,5	6,0	6,16	1,58	6,08	1,60	6,00	1,61	5,96	1,62	5,92	1,62	5,84	1,64
	10,0	6,70	1,63	6,61	1,64	6,53	1,66	6,49	1,66	6,45	1,67	6,37	1,68
	15,0	7,36	1,69	7,28	1,70	7,20	1,71	7,16	1,72	7,12	1,73	7,04	1,74
	-15,0	2,68	1,29	2,60	1,30	2,51	1,32	2,46	1,32	2,42	1,33	2,34	1,34
	-10,0	3,38	1,35	3,29	1,36	3,21	1,38	3,16	1,38	3,12	1,39	3,04	1,40
3,5+3,5	-5,0	4,34	1,44	4,26	1,45	4,17	1,46	4,13	1,47	4,09	1,47	4,00	1,49
	0,0	5,30	1,52	5,22	1,53	5,14	1,55	5,09	1,55	5,05	1,56	4,97	1,57
	6,0	6,27	1,60	6,18	1,62	6,10	1,63	6,06	1,64	6,02	1,64	5,93	1,66
	10,0	6,82	1,65	6,74	1,66	6,65	1,68	6,61	1,68	6,57	1,69	6,48	1,70
	15,0	7,51	1,71	7,42	1,73	7,34	1,74	7,30	1,74	7,26	1,75	7,17	1,76

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

①: Indoor unit combinations

②: Outdoor air temperature [°C DB]

Notes

1. The capacities are based on the following conditions:

Corresponding refrigerant piping length: ·5· m

Level difference: ·0·m

2. The bold cells indicate the standard conditions.

3. The values above are for connecting with the following indoor unit types:

·2.5, 3.5· kW class

Wall mounted

ATXF-A

4. The heating capacity does not include the capacity drop that occurs during a frosting period and defrost operation.

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4 Capacity tables

4 - 3 Cooling/Heating Capacity Tables

2AMXF40A

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	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
2AMXF40A2V1B	2,5	2,50	---	1,30	2,50	3,00	0,33	0,61	0,80	1,78	3,33	4,40	79
	3,5	3,50	---	1,30	3,50	4,00	0,33	1,04	1,35	1,78	5,71	7,38	79
	2,5+2,5	2,00	2,00	1,50	4,00	4,40	0,30	1,15	1,27	1,67	6,33	6,97	79
	2,5+3,5	1,67	2,33	1,50	4,00	4,60	0,30	1,13	1,30	1,67	6,24	7,18	79

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	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
2AMXF40A2V1B	2,5	3,40	---	1,00	3,40	4,10	0,26	1,02	1,50	1,43	5,59	8,09	79
	3,5	3,80	---	1,00	3,80	4,40	0,26	1,28	1,73	1,43	7,02	9,40	79
	2,5+2,5	2,10	2,10	1,30	4,20	4,70	0,24	1,03	1,16	1,31	5,70	6,38	79
	2,5+3,5	1,75	2,45	1,30	4,20	4,80	0,24	1,01	1,16	1,31	5,59	6,39	79

Notes

- 1) The total capacity of each connected indoor unit is up to -6.0-kW.
- 2) The values above are for connecting with the following indoor unit types:
-2.5, 3.5- kW class
Wall-mounted -ATXF-A- series
- 3) These indoor units can only be used in a multi-unit setup.
- 4) Heating capacity conditions
Indoor temperature -20°C DB
Outdoor temperature -7°C DB / -6°C WB
- 5) Cooling capacity conditions
Indoor temperature -27°C DB / -19°C WB
Outdoor temperature -35°C DB

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2AMXF50A

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	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
2AMXF50A2V1B	2,5	2,50	---	1,40	2,50	3,10	0,31	0,67	0,92	1,53	3,27	4,50	89
	3,5	3,50	---	1,40	3,50	4,00	0,31	1,09	1,42	1,53	5,32	6,95	89
	2,5+2,5	2,50	2,50	1,80	5,00	5,30	0,54	1,49	1,66	2,63	7,30	7,74	89
	2,5+3,5	2,08	2,92	1,80	5,00	5,40	0,53	1,48	1,68	2,61	7,25	7,83	89
	3,5+3,5	2,50	2,50	1,80	5,00	5,40	0,53	1,48	1,68	2,61	7,23	7,81	89

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	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	
2AMXF50A2V1B	2,5	3,40	---	1,10	3,40	4,10	0,25	0,99	1,31	1,23	4,81	6,54	89
	3,5	4,00	---	1,10	4,00	4,60	0,25	1,24	1,53	1,23	6,03	7,46	89
	2,5+2,5	2,80	2,80	1,20	5,60	5,80	0,33	1,51	1,57	1,59	7,38	7,65	89
	2,5+3,5	2,33	3,27	1,20	5,60	6,00	0,32	1,50	1,61	1,58	7,34	7,87	89
	3,5+3,5	2,80	2,80	1,30	5,60	6,10	0,35	1,49	1,63	1,70	7,30	7,96	89

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:
-2.5, 3.5- kW class
Wall-mounted -ATXF-A- series
- 3) These indoor units can only be used in a multi-unit setup.
- 4) Heating capacity conditions
Indoor temperature -20°C DB
Outdoor temperature -7°C DB / -6°C WB
- 5) Cooling capacity conditions
Indoor temperature -27°C DB / -19°C WB
Outdoor temperature -35°C DB

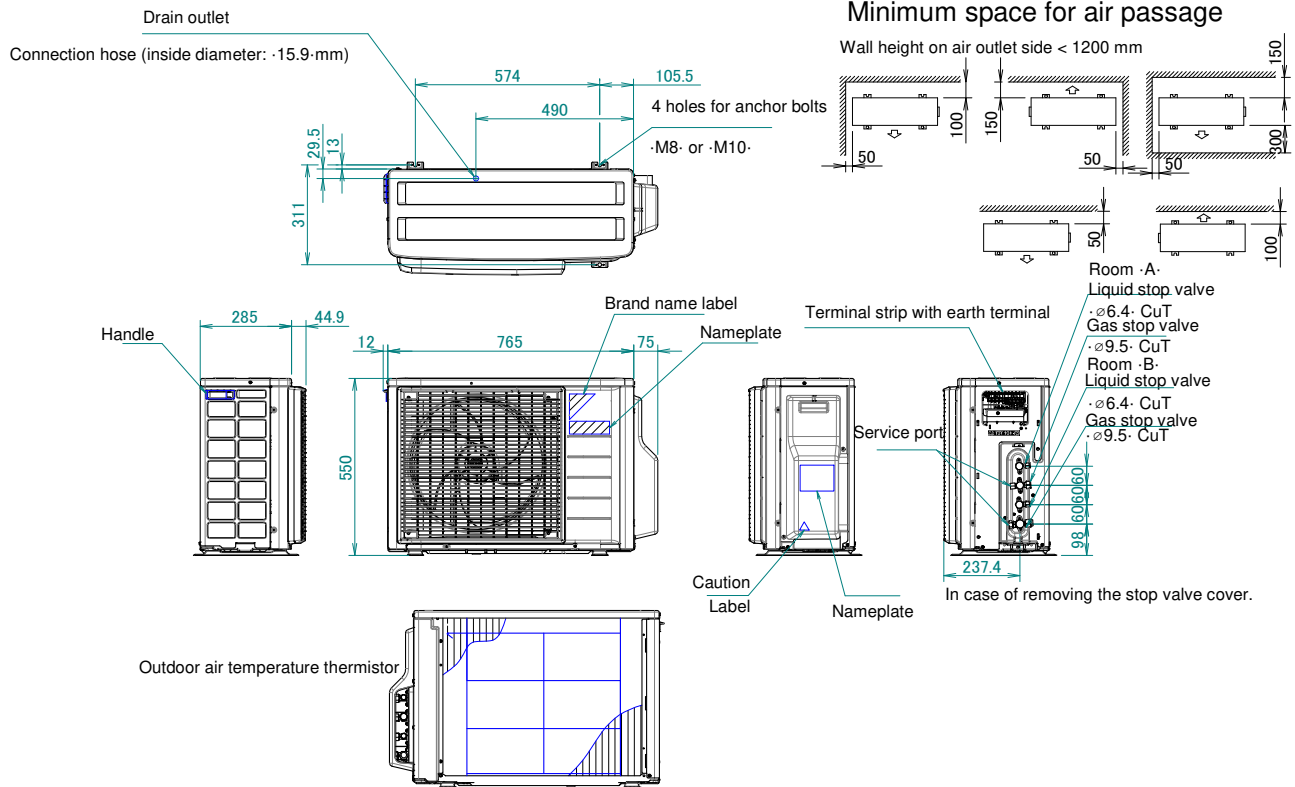
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5 Dimensional drawings

5 - 1 Dimensional Drawings

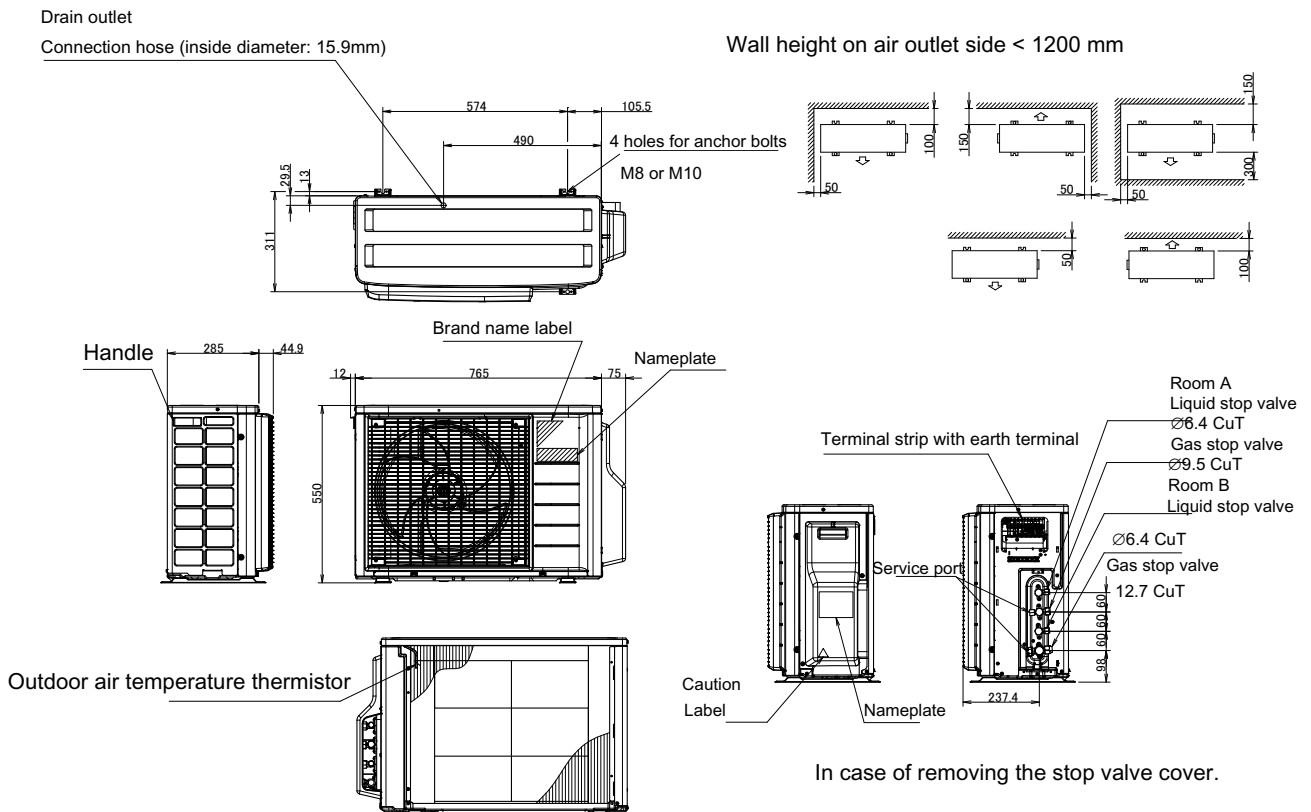
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2AMXF40A



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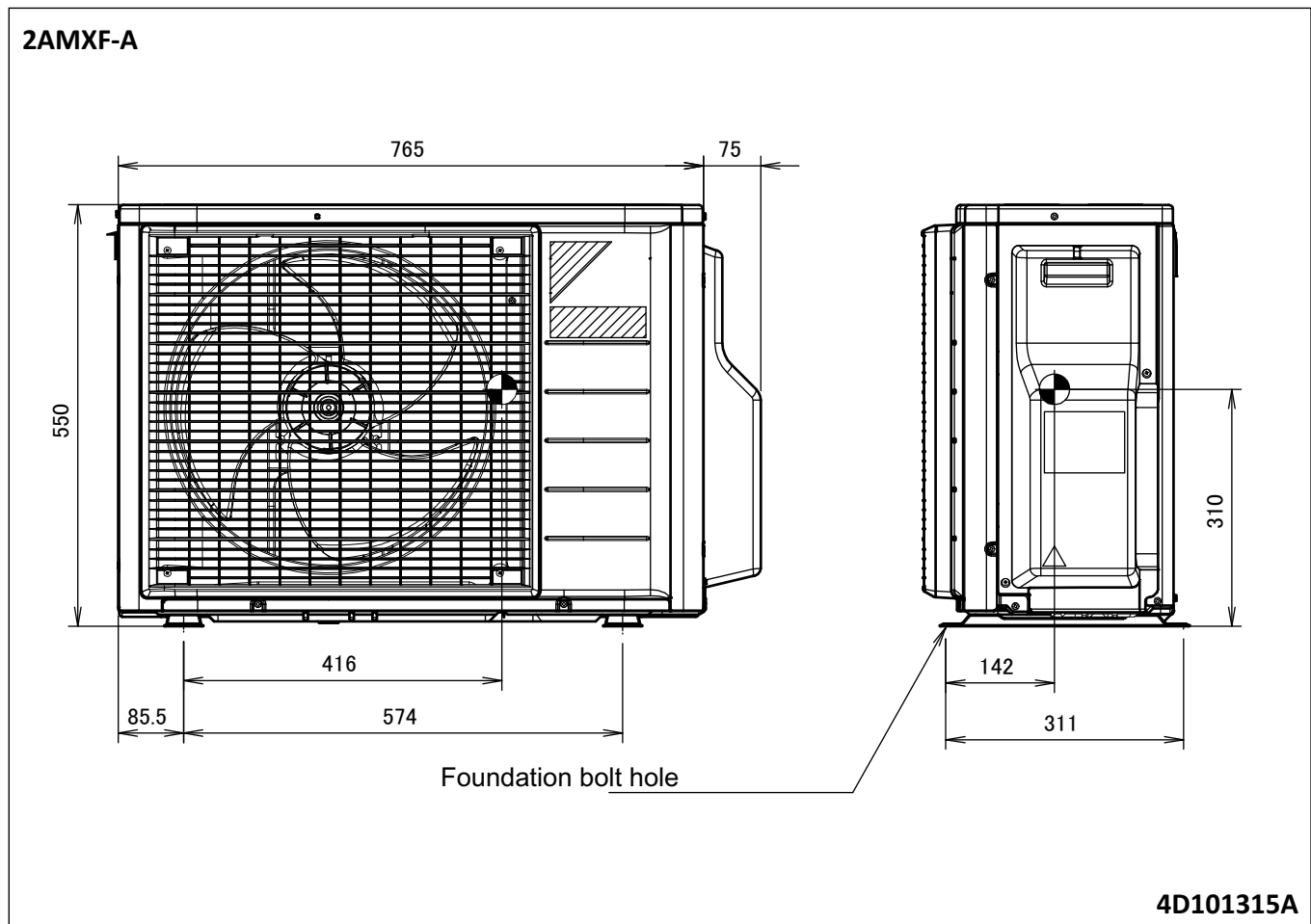
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3D101375B

6 Centre of gravity

6 - 1 Centre of Gravity



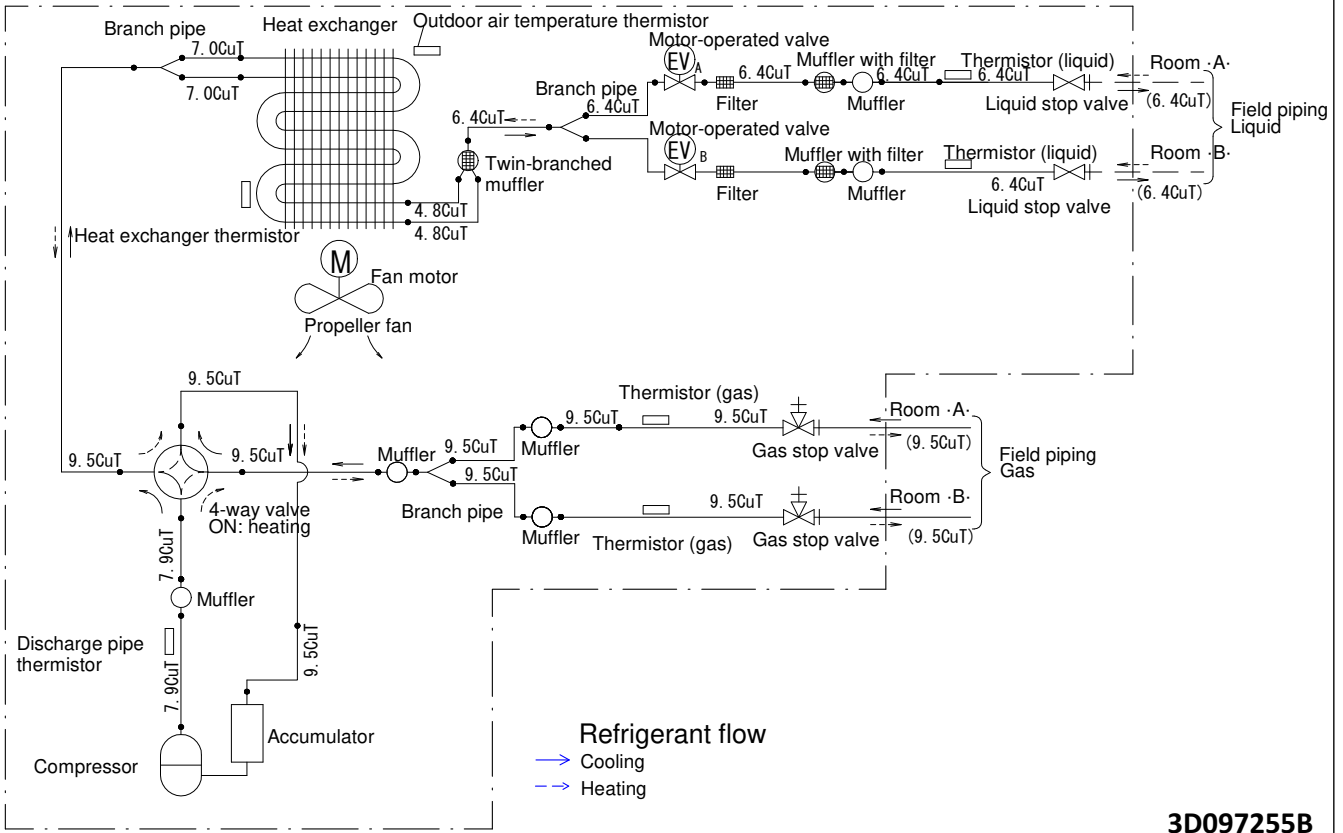
7 Piping diagrams

7 - 1 Piping Diagrams

7

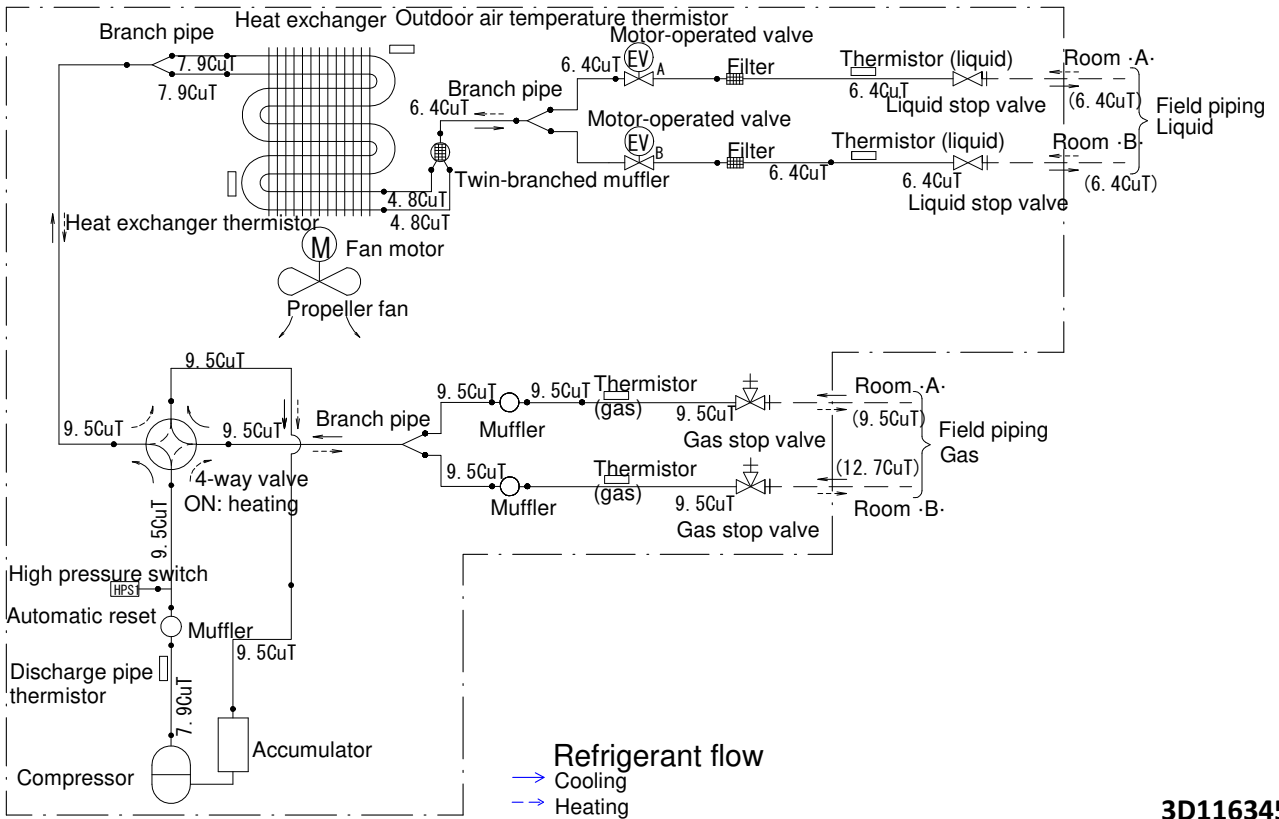
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Outdoor unit



2AMXF50A

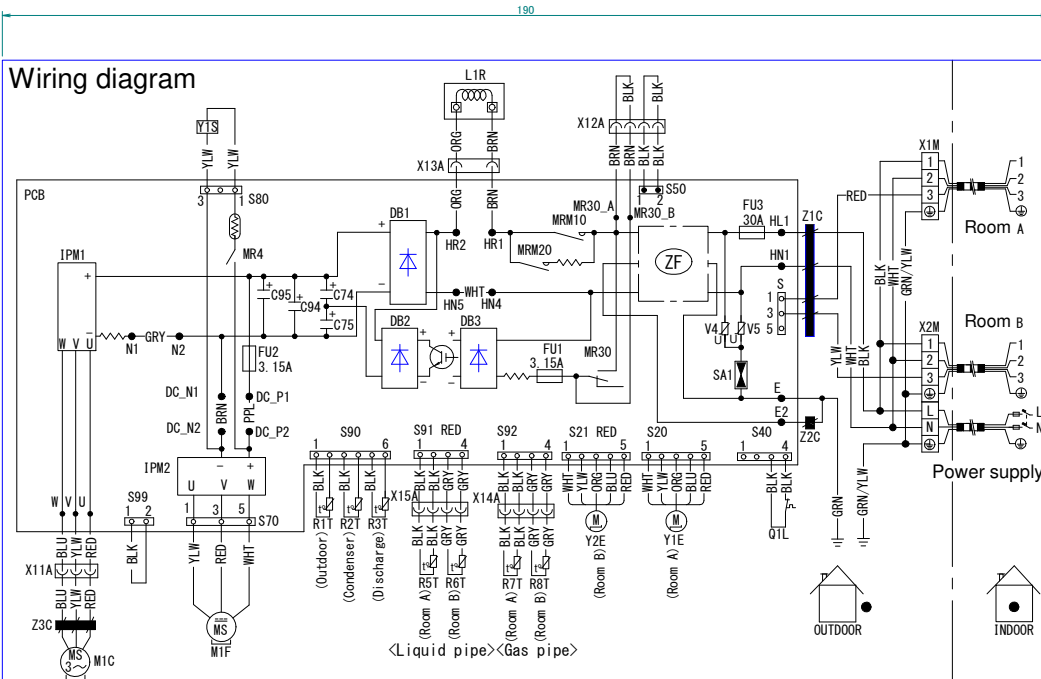
Outdoor unit



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

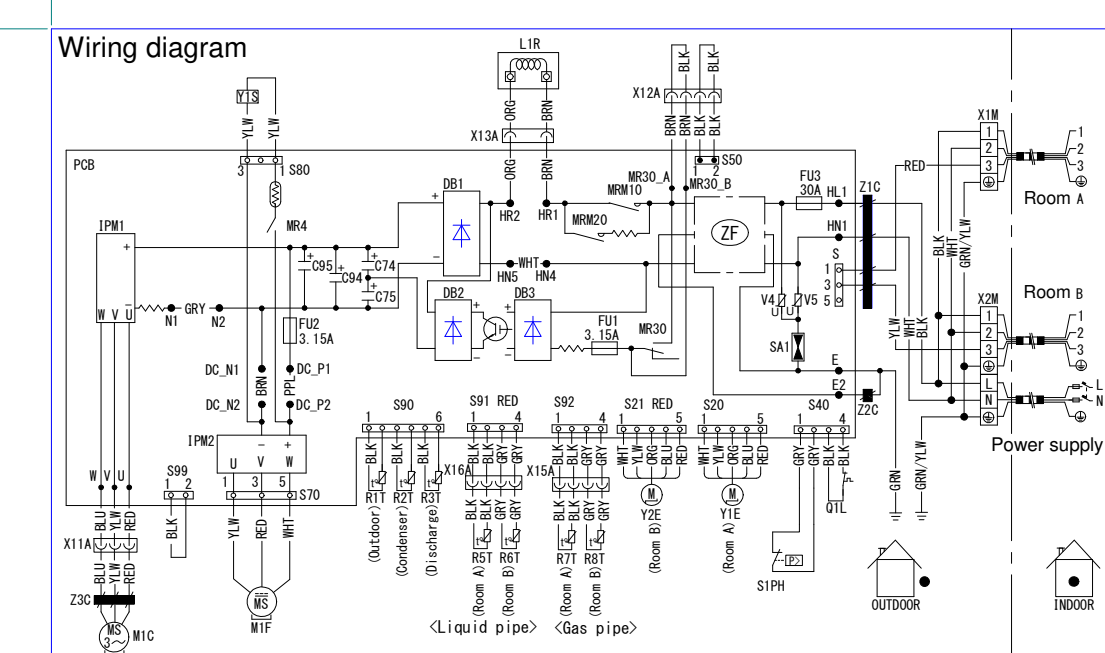
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C74, C75, C94, C95	Capacitor	SA1	Surge arrester	
DB1, DB2, DB3	Diode bridge	V4, V5	Varistor	
FU1, FU2, FU3	Fuse	X1M-X2M	Terminal strip with earth terminal	Field wiring
IPM1	Intelligent power module	Y1E-Y2E	Electronic expansion valve coil	Screw terminal
L1R	Reactor	Y1S	Reversing solenoid valve coil	Connector
M1C	Compressor motor	Z1C-Z3C	Noise filter	WHT: white
M1F	Fan motor	S2-S502	Ferrite core	BLK: black
MRM10, MRM20	Magnetic relay	X11A-X15A	Connector	ORG: orange
MR4, MR30	Magnetic relay	S99	Heating-to-cooling changeover	RED: red
PCB	Printed circuit board			BRN: brown
Q1L	Overload protector			GRN: green
R1T-R8T	Thermistor			PPL: purple
				YLV: yellow

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2AMXF50A



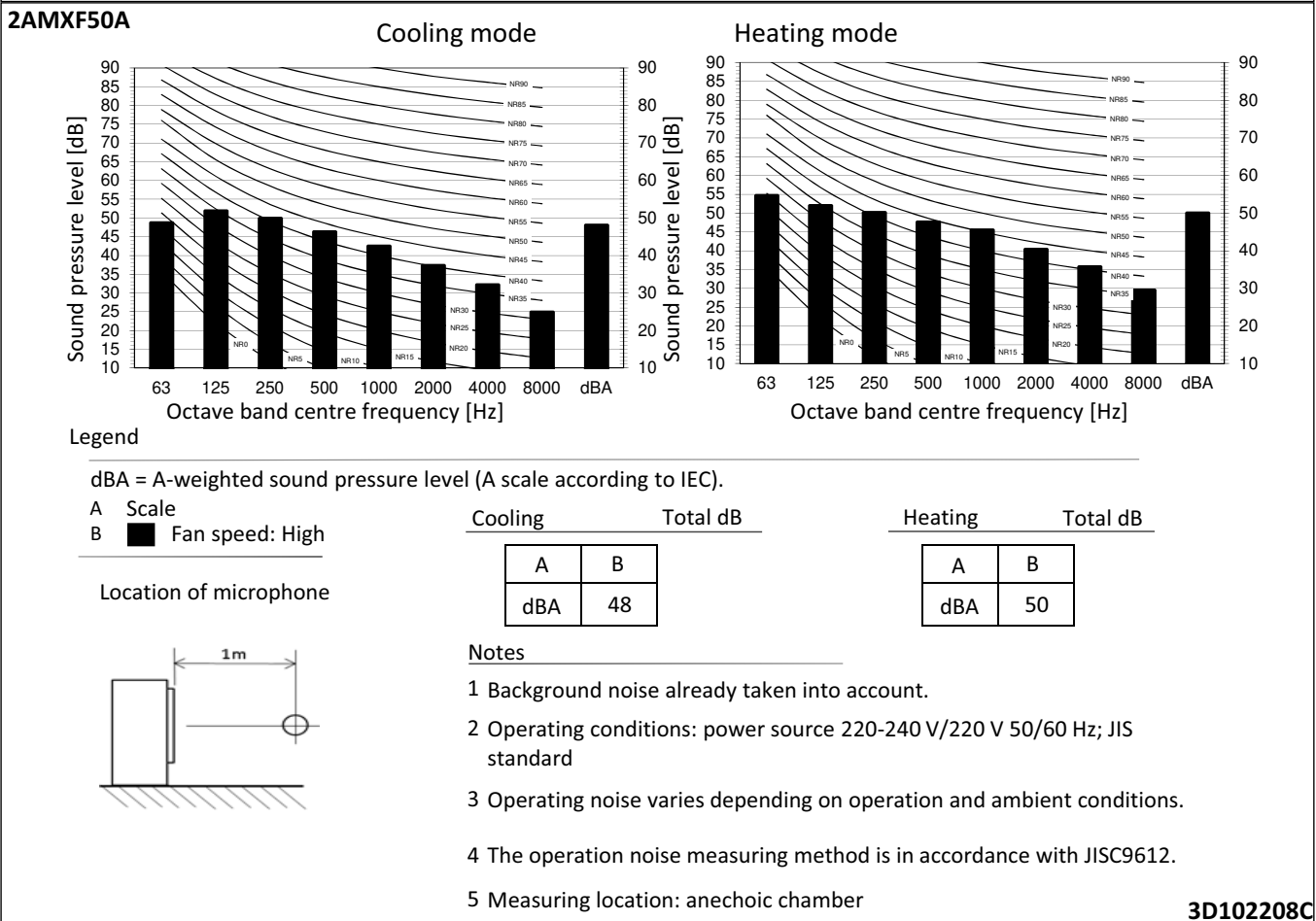
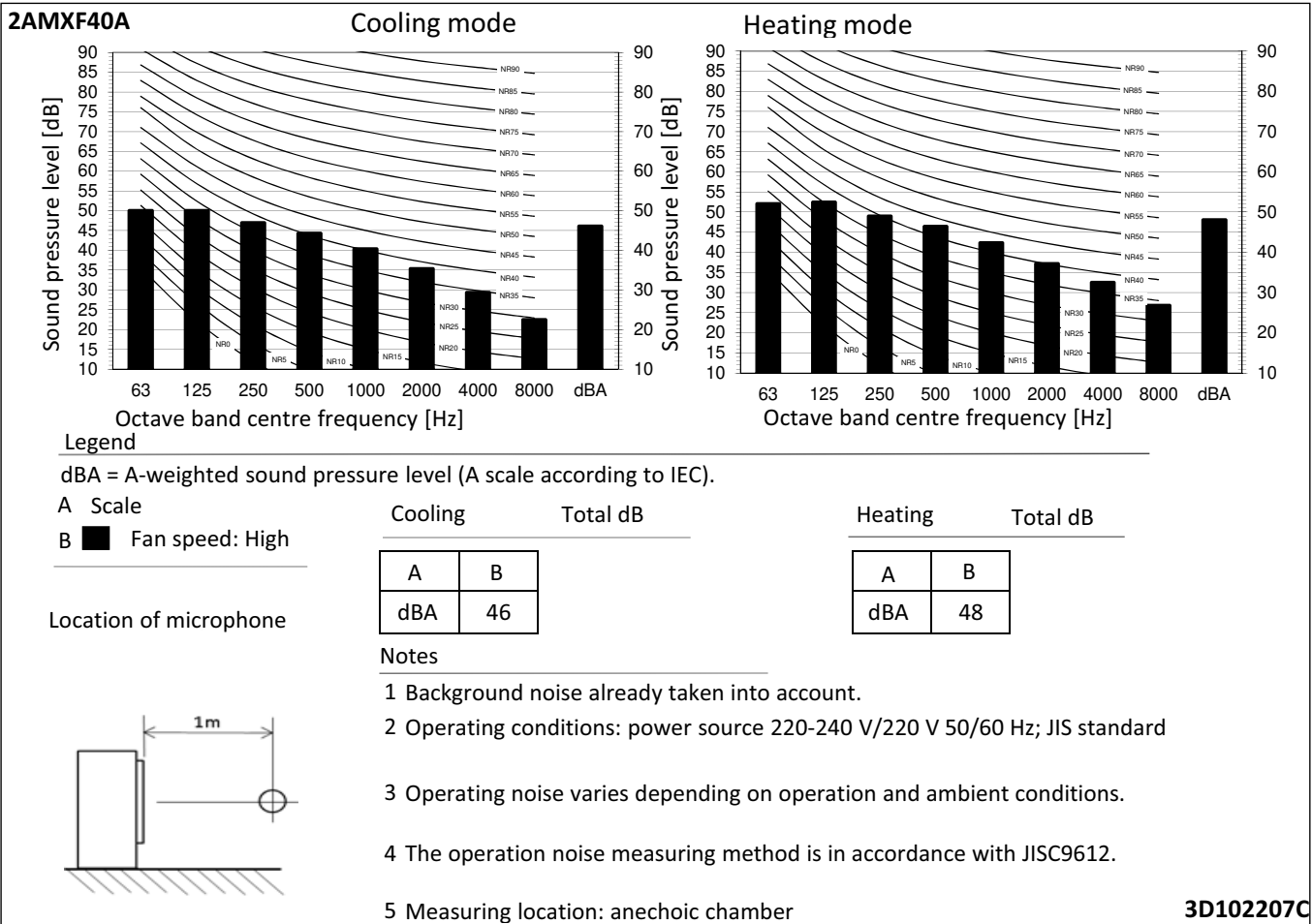
C74, C75, C94, C95	Capacitor	SA1	Surge arrester	
DB1, DB2, DB3	Diode bridge	S1PH	High pressure switch	
FU1, FU2, FU3	Fuse	V4, V5	Varistor	
IPM1	Intelligent power module	X1M-X2M	Terminal strip with earth terminal	Field wiring
L1R	Reactor	Y1E-Y2E	Electronic expansion valve coil	Screw terminal
M1C	Compressor motor	Y1S	Reversing solenoid valve coil	Connector
M1F	Fan motor	Z1C-Z3C	Noise filter	WHT: white
MRM10, MRM20	Magnetic relay	S2-S502	Ferrite core	GRY: grey
MR4, MR30	Magnetic relay	X11A-X16A	Connector	BLK: black
PCB	Printed circuit board	S99	Heating-to-cooling changeover	ORG: orange
Q1L	Overload protector			BLU: blue
R1T-R8T	Thermistor			RED: red
				BRN: brown
				GRN: green
				PPL: purple
				YLV: yellow

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9 Sound data

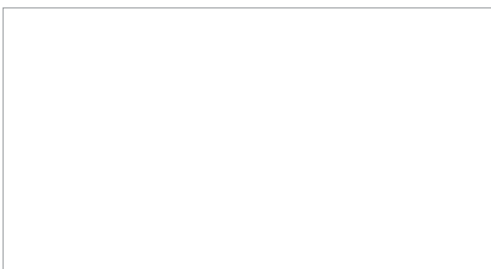
9 - 1 Sound Pressure Spectrum

9





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