1. Power Supply

Indoor Unit		Outdoor Unit	Power Supply
Wall Mounted Type CTXV, FTXV Series	CTXV07AVJU9	**Standard Type** 2MXM18AVJU9 3MXM24AVJU9 4MXM36AVJU9 **Cold Climate Type** 2MXT18AVJU9 2MXTH18AVJU9 (with drain pan heater)	1 phase, 208 - 230 V, 60 Hz
	FTXV09AVJU9		
	FTXV12AVJU9		
	FTXV15AVJU9		
	FTXV18AVJU9		
	FTXV24AVJU9		

Note: Power Supply Intake ; Outdoor Unit

Cautions

1. Air conditioners should not be installed in areas where corrosive gasses, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided and choose an outdoor unit with anti-corrosion treatment.

2. Functions

2.1 Indoor unit

Category	Functions	CTXV07AVJU9 FTXV09/12AVJU9	FTXV15/18/24AVJU9
Basic Function	Inverter (with inverter power control)	●	●
Comfortable Airflow	Power-airflow flap (horizontal blade)	●	—
	Power-airflow dual flaps (horizontal blade)	—	●
	Wide-angle louvers (vertical blades)	●	●
	Auto-swing (up and down)	●	●
	Auto-swing (left and right)	—	—
	3-D airflow	—	—
	COMFORT AIRFLOW operation	●	●
Comfort Control	Auto fan speed	●	●
	Switchable fan speed	●	●
	Indoor unit quiet operation	●	●
	INTELLIGENT EYE operation	—	—
	2-area INTELLIGENT EYE operation	—	—
	Hot-start function	●	●
Operation	Automatic cooling/heating change-over	●	●
	Program dry operation	●	●
	Fan only	●	●
Lifestyle Convenience	POWERFUL operation (inverter)	●	●
	ECONO operation	●	●
	Indoor unit **ON/OFF** switch	●	●
	Multi-colored indicator lamp	—	—
	Monitor brightness setting	—	—
	Signal receiving sign	●	●
	R/C with back light	●	●
Health and Cleanliness	Titanium apatite deodorizing filter	●	●
	Mold proof air filter	●	●
	Wipe-clean flat panel	●	●
	Washable grille	—	—
Timer	WEEKLY TIMER operation	—	—
	24-hour ON/OFF TIMER	—	—
	Count up-down ON/OFF timer	●	●
	NIGHT SET mode	●	●
Worry Free (Reliability & Durability)	Auto-restart (after power failure)	●	●
	Self-diagnosis (R/C, LED)	●	●
Flexibility	Multi-split/split type compatible indoor unit	●	●
	Either side drain (left or right)	●	●
	°F/°C changeover R/C temperature display (factory setting: °F)	●	●
Remote Control	Remote control adaptor (normal open pulse contact)	Option	Option
	Remote control adaptor (normal open contact)	Option	Option
	DIII-NET compatible (adaptor)	Option	Option
	Wireless LAN connection	●	●
Remote Controller	Wireless	●	●
	Wired	Option	Option

Notes: ●: Available

—: Not available

2.2 Outdoor unit

Function	Standard		Cold Climate	
	2MXM	3/4MXM	2MXT	2MXTH
Inverter (with inverter power control)	●	●	●	●
Operation limit	Refer to P. 25			
PAM control	●	●	●	●
Standby electricity saving	—	—	—	—
Swing compressor	●	●	●	●
Reluctance DC motor	●	●	●	●
NIGHT QUIET mode	●	●	●	●
QUIET OUTDOOR UNIT operation	●	●	●	●
Quick warming function	—	—	—	—
Automatic defrosting	●	●	●	●
Defrost learning control	—	—	—	—
Priority room setting	●	●	●	●
COOL/HEAT mode lock	●	●	●	●
Self-diagnosis (R/C, LED)	●	●	●	●
Wiring error check function	●	●	●	●
Anti-corrosion treatment of outdoor heat exchanger	●	●	●	●
Drain pan heater	Option	Option	Option	●
Drain pan heater control by microcomputer	●	●	●	●
Chargeless	98.4 ft (30 m)	131.2 ft (40 m)	98.4 ft (30 m)	98.4 ft (30 m)
Low temp. cooling operation (−15°C) (5°F)	—	—	—	—

Notes: ●: Available

—: Not available

3. Specification

3.1 Indoor unit

Model			CTXV07AVJU9		FTXV09AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			7 kBtu/h Class		9 kBtu/h Class	
Front Panel Color (Munsell No.)			White (N9.5)		White (N9.5)	
Airflow Rates	H	cfm (m^3/min)	332 (9.4)	332 (9.4)	381 (10.8)	385 (10.9)
	M		268 (7.6)	279 (7.9)	272 (7.7)	304 (8.6)
	L		230 (6.5)	230 (6.5)	230 (6.5)	230 (6.5)
	SL		166 (4.7)	194 (5.5)	166 (4.7)	194 (5.5)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Drive Input	A	0.20		0.20	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable		Removable, Washable	
Running Current (Rated)		A	0.11 - 0.10	0.12 - 0.11	0.14 - 0.13	0.13 - 0.12
Power Consumption (Rated)		W	20 - 20	23 - 23	26 - 26	25 - 25
Power Factor (Rated)		%	87.0 - 90.3	94.0 - 91.3	90.4 - 86.2	90.9 - 87.3
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (286 × 770 × 223)		11-1/4 × 30-5/16 × 8-3/4 (286 × 770 × 223)	
Packaged Dimensions (H × W × D)		in. (mm)	12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)		12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)	
Weight (Mass)		lbs (kg)	19 (9)		19 (9)	
Gross Weight (Gross Mass)		lbs (kg)	24 (11)		24 (11)	
Sound Pressure Level	H / M / L / SL	dB(A)	40 / 35 / 31 / 24	39 / 34 / 28 / 25	43 / 35 / 31 / 24	41 / 35 / 28 / 25
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5)		ϕ 3/8 (ϕ 9.5)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D153215A		3D153215A	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Model			FTXV12AVJU9		FTXV15AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			12 kBtu/h Class		15 kBtu/h Class	
Front Panel Color (Munsell No.)			White (N9.5)		White (N9.5)	
Airflow Rates	H	cfm (m^3/min)	392 (11.1)	438 (12.4)	540 (15.3)	636 (18.0)
	M		293 (8.3)	318 (9.0)	470 (13.3)	537 (15.2)
	L		226 (6.4)	240 (6.8)	381 (10.8)	452 (12.8)
	SL		166 (4.7)	205 (5.8)	339 (9.6)	388 (11.0)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Drive Input	A	0.23		0.31	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable		Removable, Washable	
Running Current (Rated)		A	0.17 - 0.15	0.20 - 0.18	0.19 - 0.17	0.20 - 0.18
Power Consumption (Rated)		W	29 - 29	35 - 35	36 - 36	39 - 39
Power Factor (Rated)		%	81.3 - 84.7	83.7 - 82.7	91.1 - 93.5	93.8 - 92.3
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (286 × 770 × 223)		11-5/8 × 39 × 10-3/8 (295 × 990 × 263)	
Packaged Dimensions (H × W × D)		in. (mm)	12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)		15-3/16 × 43-3/8 × 15-5/16 (386 × 1,102 × 389)	
Weight (Mass)		lbs (kg)	19 (9)		27 (13)	
Gross Weight (Gross Mass)		lbs (kg)	24 (11)		37 (17)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 37 / 31 / 24	45 / 37 / 30 / 26	45 / 41 / 36 / 33	45 / 41 / 37 / 33
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5)		ϕ 1/2 (ϕ 12.7)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D153215A		3D153178A	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m^3/min × 35.3

Model			FTXV18AVJU9		FTXV24AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			18 kBtu/h Class		24 kBtu/h Class	
Front Panel Color (Munsell No.)			White (N9.5)		White (N9.5)	
Airflow Rates	H	cfm (m³/min)	565 (16.0)	717 (20.3)	629 (17.8)	717 (20.3)
	M		463 (13.1)	572 (16.2)	501 (14.2)	572 (16.2)
	L		378 (10.7)	452 (12.8)	378 (10.7)	466 (13.2)
	SL		335 (9.5)	388 (11.0)	335 (9.5)	413 (11.7)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Drive Input	A	0.40		0.45	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable		Removable, Washable	
Running Current (Rated)		A	0.20 - 0.18	0.29 - 0.26	0.31 - 0.28	0.30 - 0.27
Power Consumption (Rated)		W	39 - 39	54 - 54	57 - 57	55 - 55
Power Factor (Rated)		%	93.8 - 92.5	89.5 - 89.3	88.4 - 88.7	88.1 - 89.3
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-5/8 × 39 × 10-3/8 (295 × 990 × 263)		11-5/8 × 39 × 10-3/8 (295 × 990 × 263)	
Packaged Dimensions (H × W × D)		in. (mm)	15-3/16 × 43-3/8 × 15-5/16 (386 × 1,102 × 389)		15-3/16 × 43-3/8 × 15-5/16 (386 × 1,102 × 389)	
Weight (Mass)		lbs (kg)	27 (13)		27 (13)	
Gross Weight (Gross Mass)		lbs (kg)	37 (17)		37 (17)	
Sound Pressure Level	H / M / L / SL	dB(A)	48 / 43 / 38 / 33	49 / 42 / 37 / 33	52 / 45 / 39 / 34	49 / 43 / 38 / 34
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7)		ϕ 5/8 (ϕ 15.9)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D153178A		3D153178A	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m³/min × 35.3

3.2 Outdoor unit

Model			2MXM18AVJU9		3MXM24AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
COP@5°F		W/W	—	1.8	—	1.8
EER2		Btu/W·h	12.0	—	12.0	—
SEER2			21.0	—	21.0	—
HSPF2			—	10.0	—	10.0
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2Y147BKBX1A		2Y260BPAX1A	
	Motor Output	W	1,300		2,400	
Refrigerant Oil	Model		FW68DA		FW68DA	
	Charge	fl oz (L)	22.0 (0.65)		30.4 (0.9)	
Refrigerant	Type		R-32		R-32	
	Charge	lbs (kg)	3.3 (1.50)		4.9 (2.2)	
Airflow Rates		cfm	2,112	2,140	2,055	2,140
		m³/min	59.8	60.6	58.2	60.6
Fan	Type		Propeller		Propeller	
	Motor Output	W	150		150	
	Running Current	A	0.31	0.33	0.29	0.33
	Power Consumption	W	65.4	67.7	61.0	67.7
Starting Current		A	14.0		17.0	
Dimensions (H × W × D)		in. (mm)	29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)		29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)		32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)	
Weight (Mass)		lbs (kg)	127 (58)		140 (64)	
Gross Weight (Gross Mass)		lbs (kg)	135 (61)		148 (67)	
Sound Pressure Level		dB(A)	52	54	52	54
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 2 (ϕ 6.4 × 2)		ϕ 1/4 × 3 (ϕ 6.4 × 3)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 1)		ϕ 3/8 × 1, ϕ 1/2 × 2 (ϕ 9.5 × 1, ϕ 12.7 × 2)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)		I.D. ϕ 5/8 (ϕ 15.9)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)		3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length		ft (m)	164 (50) (for Total of Each Room)		230 (70) (for Total of Each Room)	
		ft (m)	82 (25) (for One Room)		82 (25) (for One Room)	
Amount of Additional Charge		oz/ft (g/m)	0.22 (20) (98-3/8 ft (30 m) or more)		0.22 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference		ft (m)	49-1/4 (15) (Between Indoor Unit and Outdoor Unit)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
		ft (m)	24-5/8 (7.5) (Between Indoor Units)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)
			Piping length: 25 ft (7.5 m)		Piping length: 25 ft (7.5 m)	
Drawing No.			3D151521A		3D152057A	

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m³/min × 35.3

Model			4MXM36AVJU9	
			Cooling	Heating
Power Supply		Phase	1ϕ	
		Hz, V	60 Hz, 208 - 230 V	
COP@5°F		W/W	—	1.8
EER2		Btu/W·h	10.0	—
SEER2			20.0	—
HSPF2			—	9.5
Casing Color			Ivory White	
Compressor	Type		Hermetically Sealed Swing Type	
	Model		2Y260BPAX1A	
	Motor Output	W	2,400	
Refrigerant Oil	Model		FW68DA	
	Charge	fl oz (L)	30.4 (0.9)	
Refrigerant	Type		R-32	
	Charge	lbs (kg)	4.9 (2.2)	
Airflow Rates		cfm	2,402	2,518
		m³/min	68.0	71.3
Fan	Type		Propeller	
	Motor Output	W	150	
	Running Current	A	0.44	0.49
	Power Consumption	W	90.9	102.7
Starting Current		A	18.5	
Dimensions (H × W × D)		in. (mm)	29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)	
Weight (Mass)		lbs (kg)	142 (65)	
Gross Weight (Gross Mass)		lbs (kg)	150 (68)	
Sound Pressure Level		dB(A)	56	60
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 4 (ϕ 6.4 × 4)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 2, ϕ 5/8 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 2, ϕ 15.9 × 1)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)	
Heat Insulation			Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length		ft (m)	230 (70) (for Total of Each Room)	
		ft (m)	82 (25) (for One Room)	
Amount of Additional Charge		oz/ft (g/m)	0.22 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference		ft (m)	49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
		ft (m)	24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)
			Piping length: 25 ft (7.5 m)	
Drawing No.			3D151522A	

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m³/min × 35.3

Model			2MXT18AVJU9		2MXTH18AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
COP@5°F		W/W	—	1.8	—	1.8
EER2		Btu/W·h	12.0	—	12.0	—
SEER2			21.0	—	21.0	—
HSPF2			—	10.0	—	10.0
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2Y260BPAX1A		2Y260BPAX1A	
	Motor Output	W	2,400		2,400	
Refrigerant Oil	Model		FW68DA		FW68DA	
	Charge	fl oz (L)	30.4 (0.9)		30.4 (0.9)	
Refrigerant	Type		R-32		R-32	
	Charge	lbs (kg)	4.9 (2.2)		4.9 (2.2)	
Airflow Rates		cfm	2,112	2,140	2,112	2,140
		m³/min	59.8	60.6	59.8	60.6
Fan	Type		Propeller		Propeller	
	Motor Output	W	150		150	
	Running Current	A	0.31	0.33	0.31	0.33
	Power Consumption	W	65.4	67.7	65.4	67.7
Starting Current		A	17.0		17.0	
Dimensions (H × W × D)		in. (mm)	29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)		29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)		32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)	
Weight (Mass)		lbs (kg)	139 (63)		140 (64)	
Gross Weight (Gross Mass)		lbs (kg)	147 (67)		148 (67)	
Sound Pressure Level		dB(A)	52	54	52	54
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 2 (ϕ 6.4 × 2)		ϕ 1/4 × 2 (ϕ 6.4 × 2)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 1)		ϕ 3/8 × 1, ϕ 1/2 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 1)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)		I.D. ϕ 5/8 (ϕ 15.9)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)		3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length		ft (m)	164 (50) (for Total of Each Room)		164 (50) (for Total of Each Room)	
		ft (m)	82 (25) (for One Room)		82 (25) (for One Room)	
Amount of Additional Charge		oz/ft (g/m)	0.22 (20) (98-3/8 ft (30 m) or more)		0.22 (20) (98-3/8 ft (30 m) or more)	
Max. Installation Height Difference		ft (m)	49-1/4 (15) (Between Indoor Unit and Outdoor Unit)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
		ft (m)	24-5/8 (7.5) (Between Indoor Units)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)
			Piping length: 25 ft (7.5 m)		Piping length: 25 ft (7.5 m)	
Drawing No.			3D152058A		3D151523A	

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m³/min × 35.3

3.3 Combination Capacity

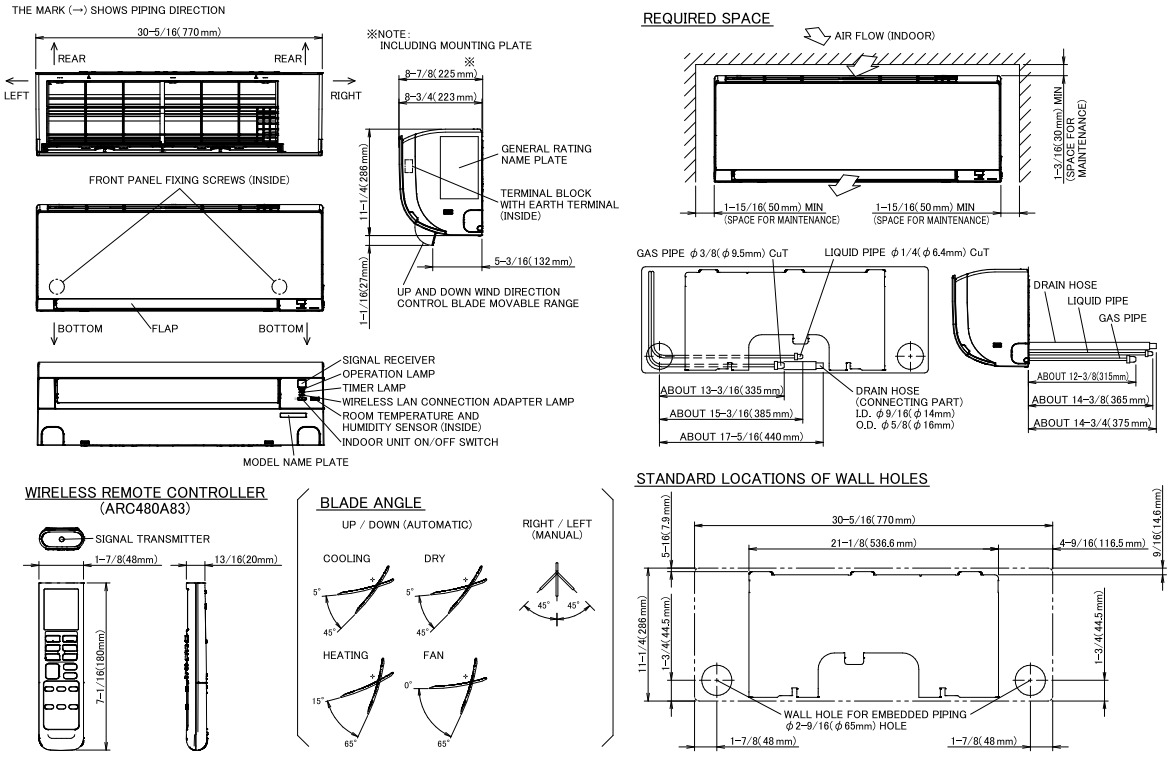
Refer to Engineering Data books below for the Combination Capacity.

Type	Model Name	Reference
Standard type	2MXM18AVJU9 3MXM24AVJU9 4MXM36AVJU9	EDUS122403
Cold climate type	2MXT18AVJU9 2MXTH18AVJU9	EDUS122404

4. Dimensions

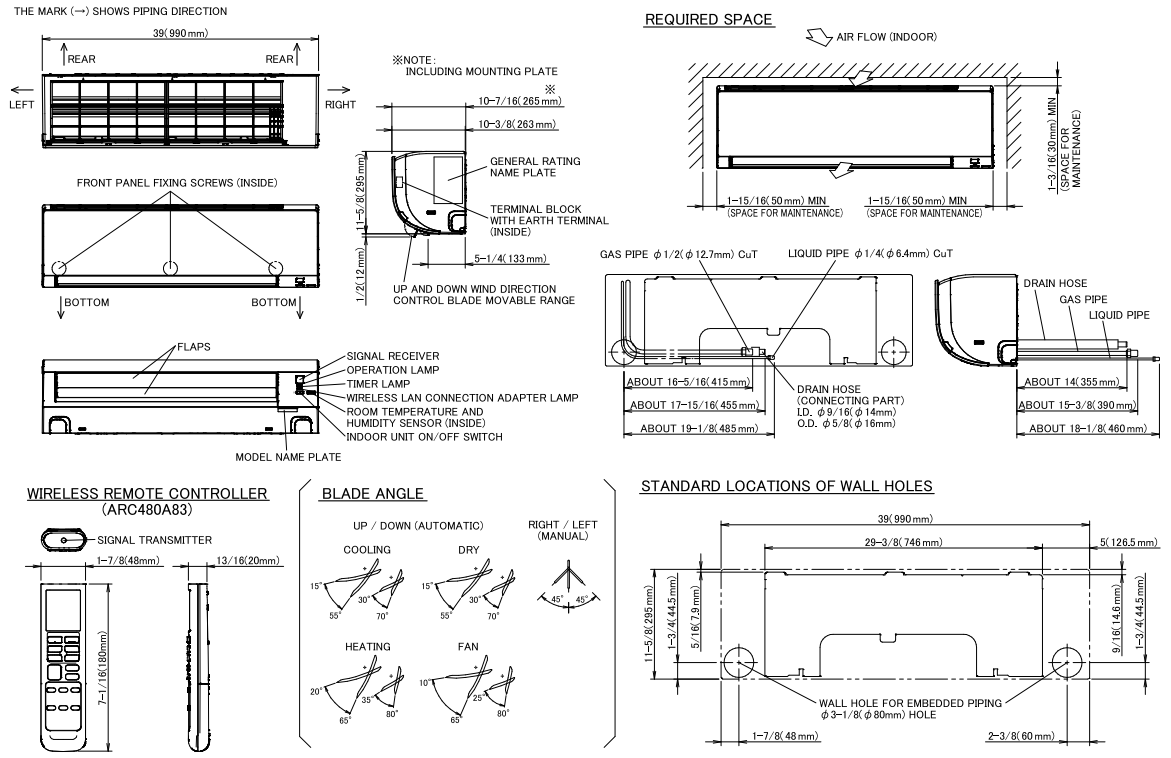
4.1 Indoor unit

CTXV07AVJU9, FTXV09/12AVJU9



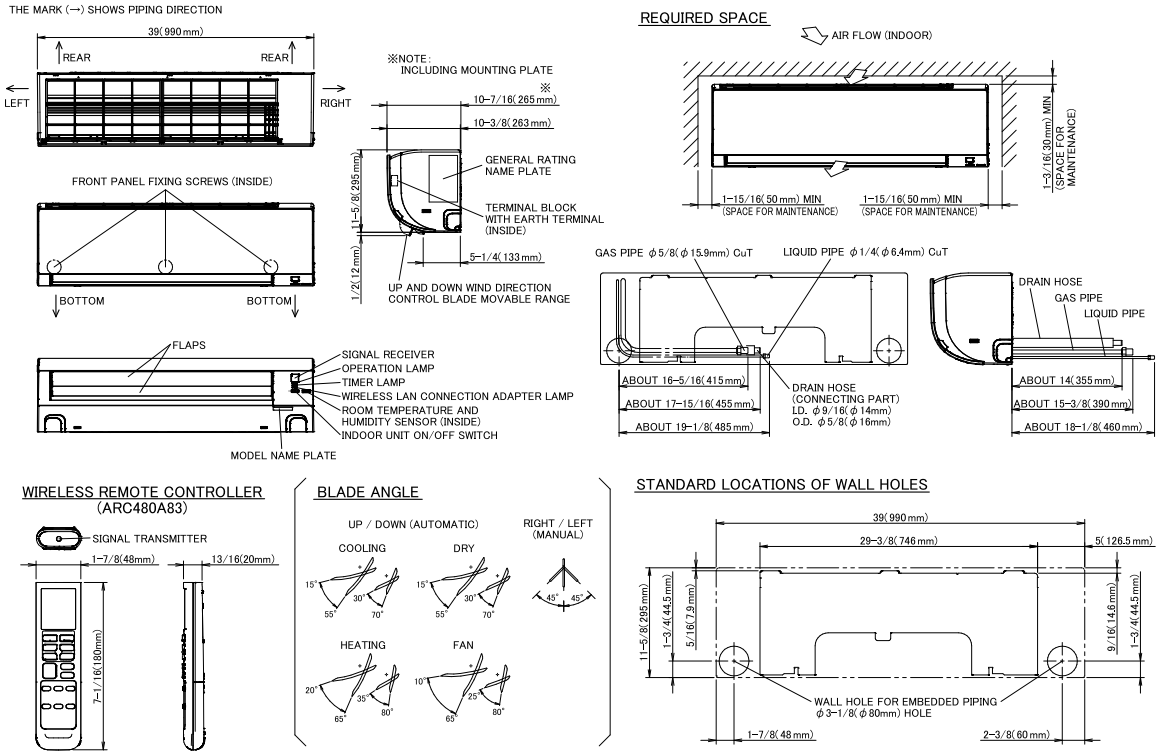
3D150958A

FTXV15/18AVJU9



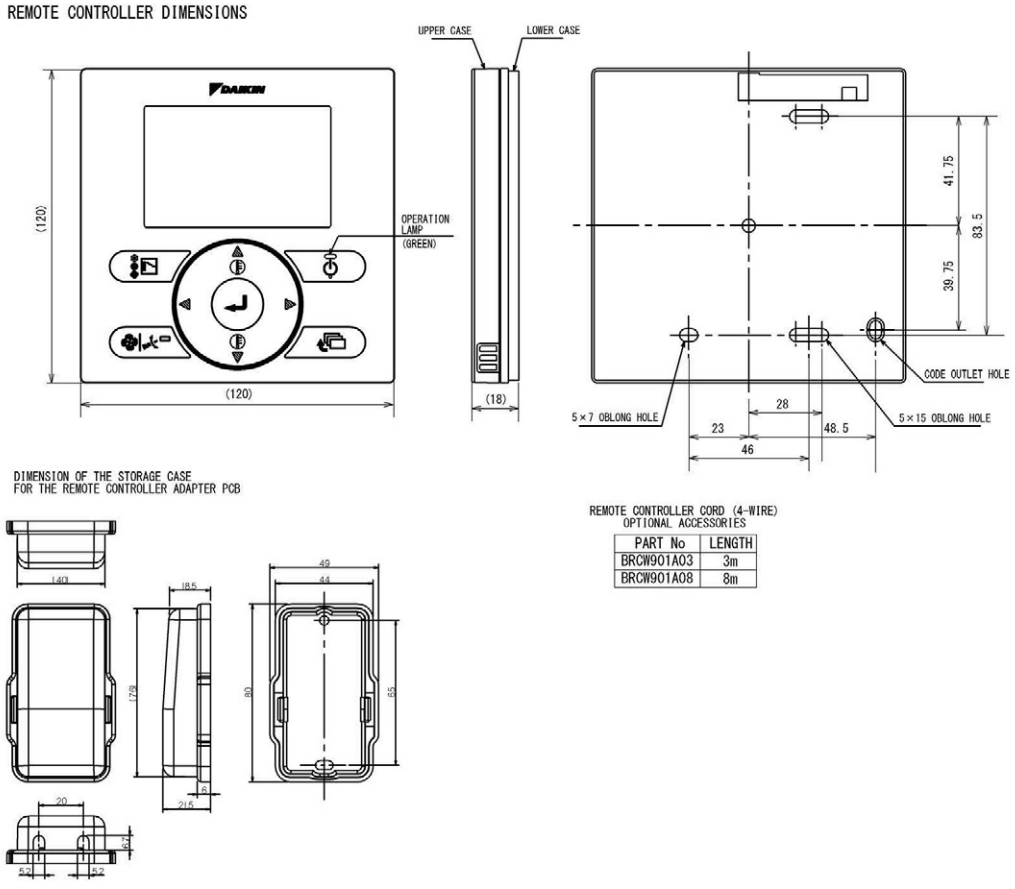
3D150966A

FTXV24AVJU9



3D150967A

BRC073A6 — Wired Remote Controller (Option) —

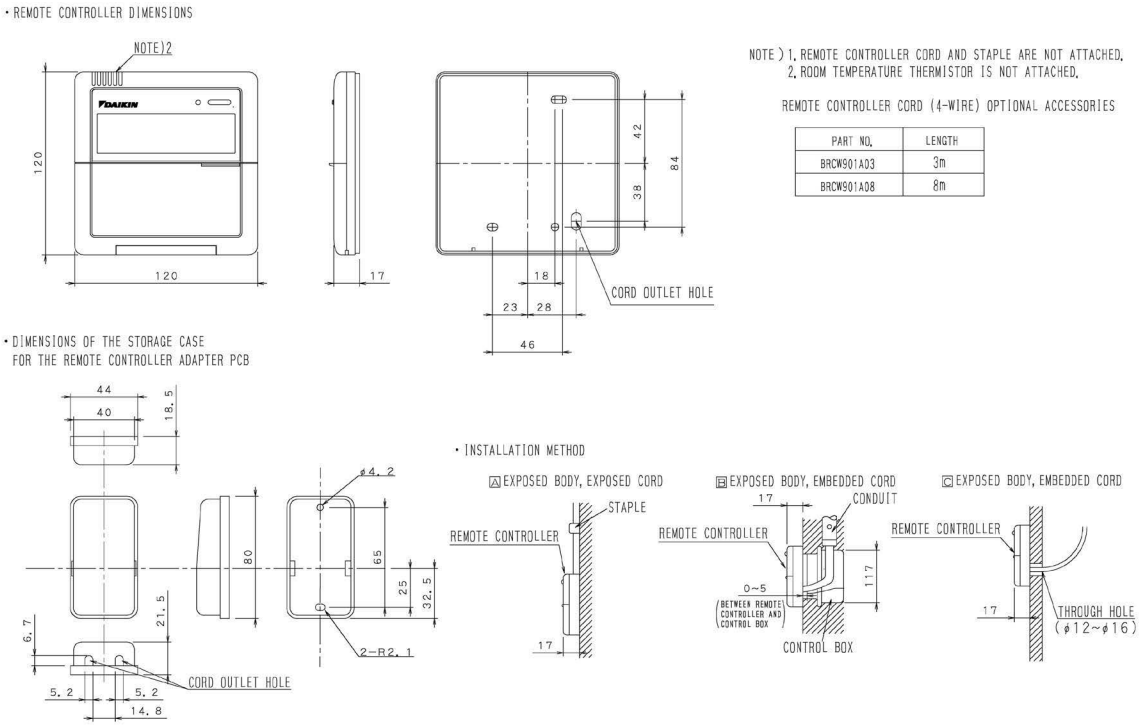


REMOTE CONTROLLER CORD (4-WIRE) OPTIONAL ACCESSORIES

PART No	LENGTH
BRCW901A03	3m
BRCW901A08	8m

3D152615

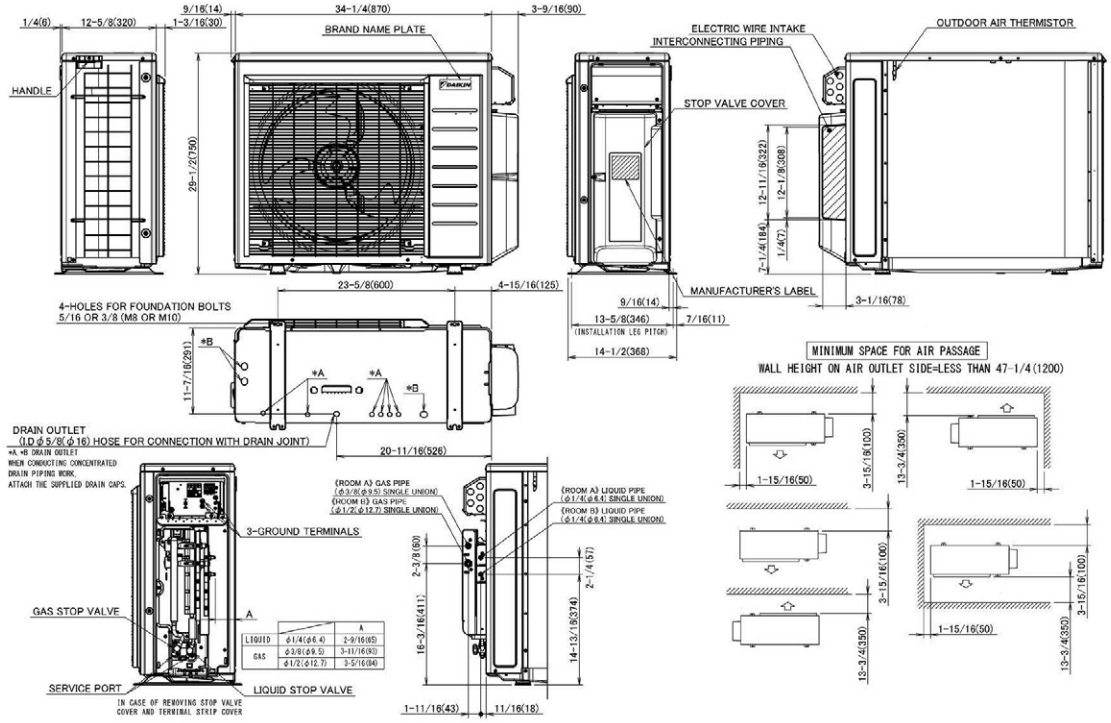
BRC944B2 — Wired Remote Controller (Option) —



3D062374

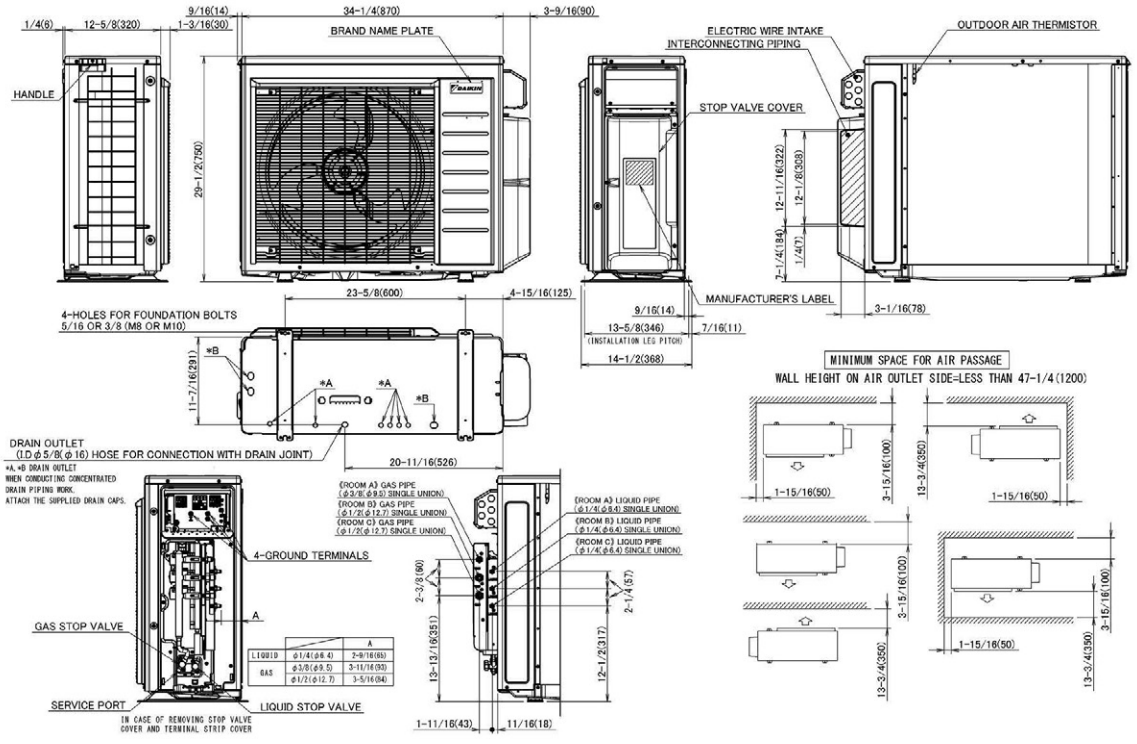
4.2 Outdoor unit

2MXM18AVJU9, 2MXT18AVJU9, 2MXTH18AVJU9



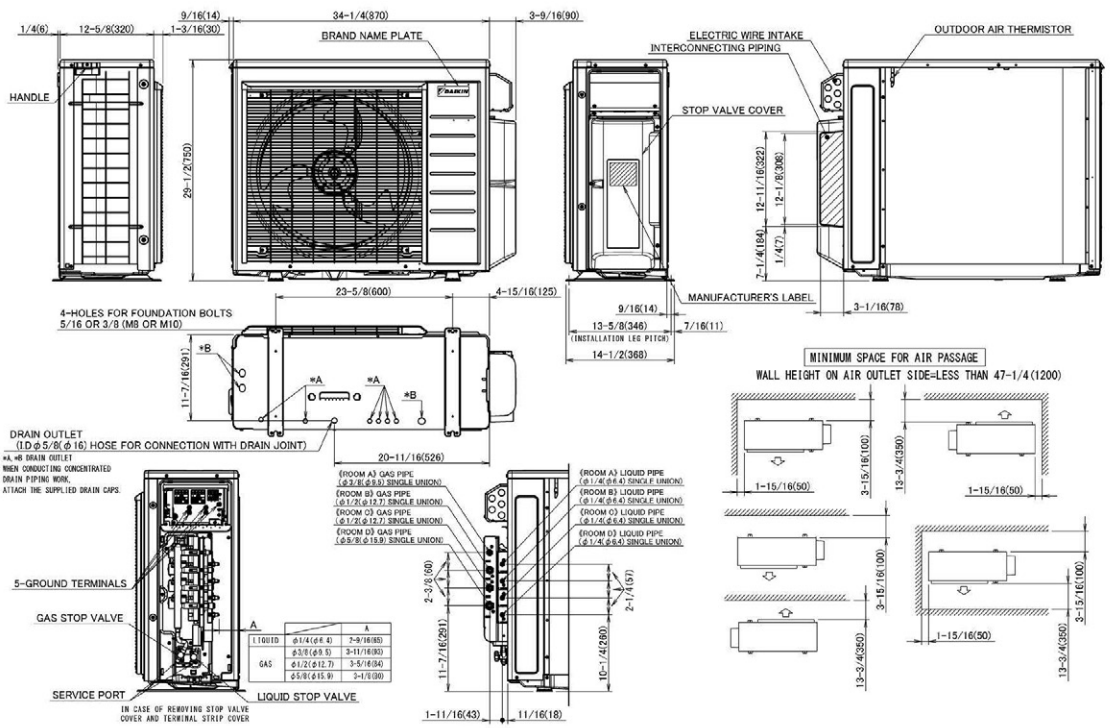
3D149807

3MXM24AVJU9



3D149808

4MXM36AVJU9

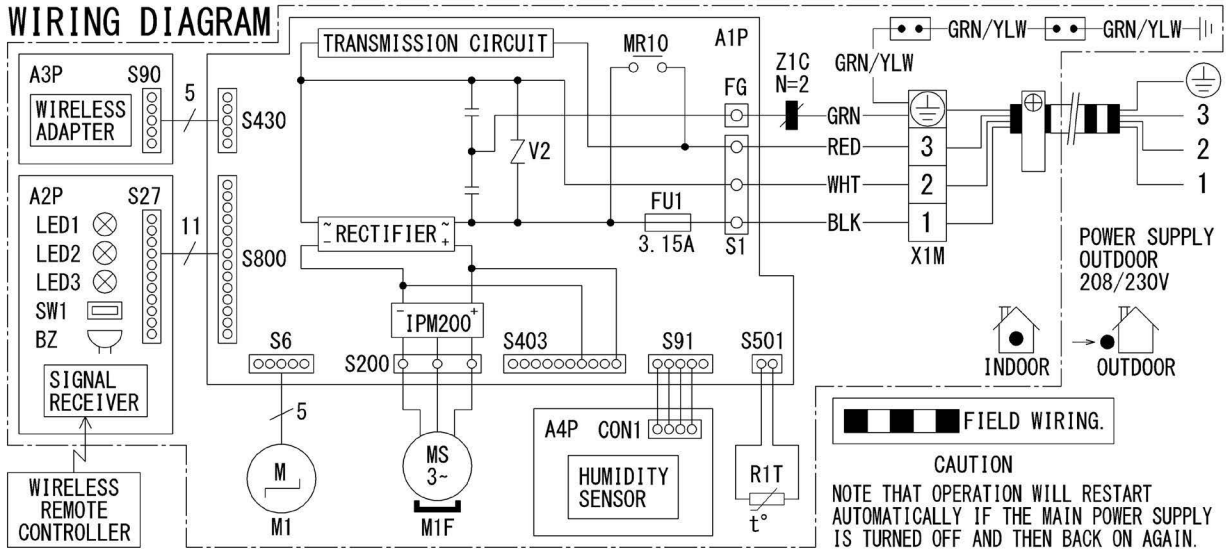


3D149809

5. Wiring Diagram

5.1 Indoor unit

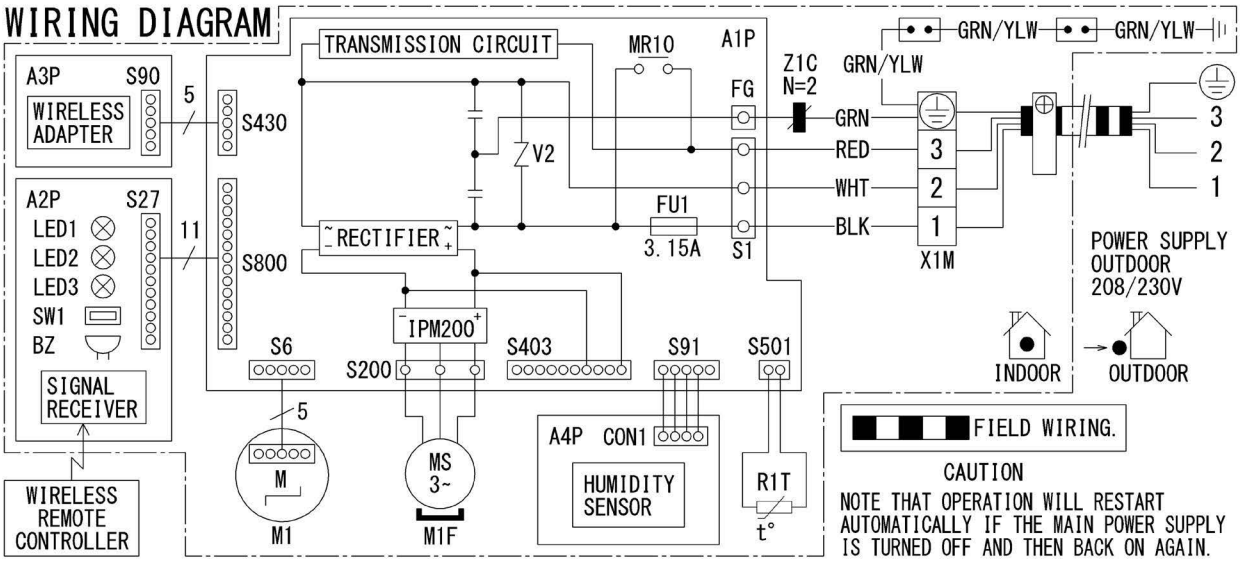
CTXV07AVJU9, FTXV09/12AVJU9



A1P～A4P :PRINTED CIRCUIT BOARD
BZ :BUZZER
FG :FRAME GROUND
FU1 :FUSE
LED1～LED3 :LIGHT-EMITTING DIODE
M1F :FAN MOTOR
M1 :SWING MOTOR
MR10 :RELAY
R1T :THERMISTOR
S1～S800, CON1 :CONNECTOR
SW1 :OPERATION SWITCH
V2 :VARISTOR
X1M :TERMINAL STRIP
Z1C :FERRITE CORE
⏚ :PROTECTIVE EARTH (GROUND)

3D147521

FTXV15/18/24AVJU9

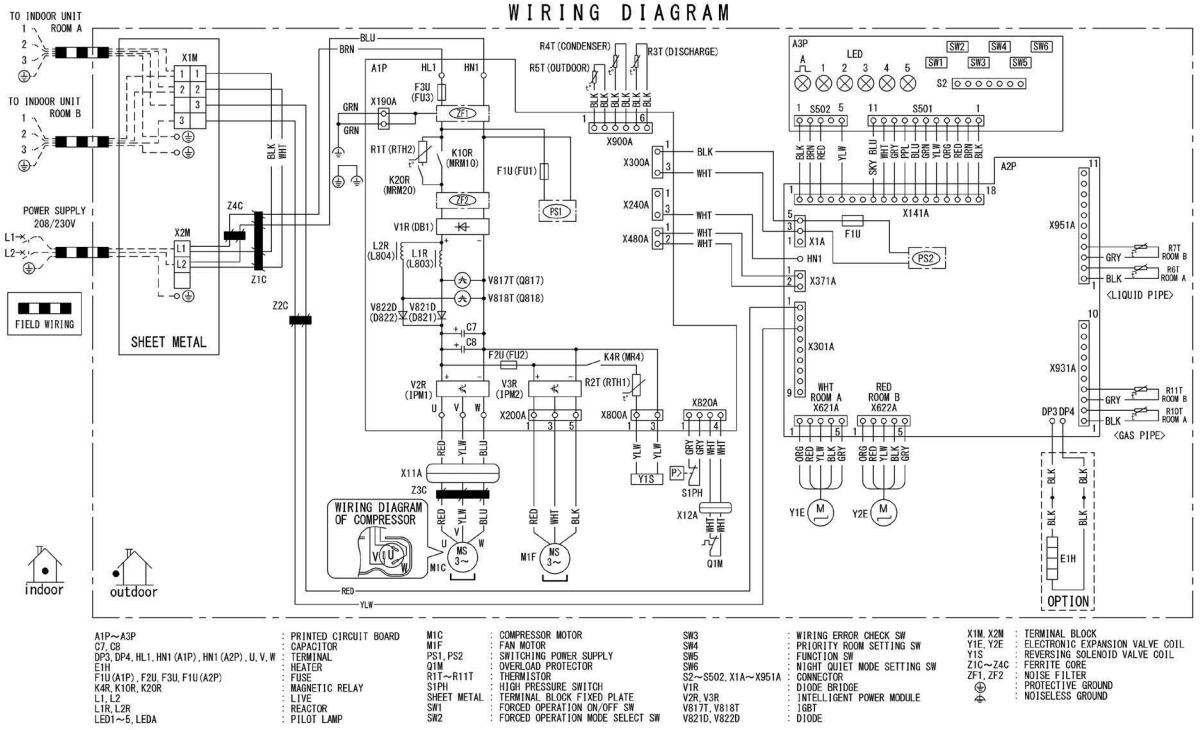


A1P～A4P :PRINTED CIRCUIT BOARD
BZ :BUZZER
FG :FRAME GROUND
FU1 :FUSE
LED1～LED3 :LIGHT-EMITTING DIODE
M1F :FAN MOTOR
M1 :SWING MOTOR
MR10 :RELAY
R1T :THERMISTOR
S1～S800, CON1 :CONNECTOR
SW1 :OPERATION SWITCH
V2 :VARISTOR
X1M :TERMINAL STRIP
Z1C :FERRITE CORE
⏚ :PROTECTIVE EARTH (GROUND)

3D147460A

5.2 Outdoor unit

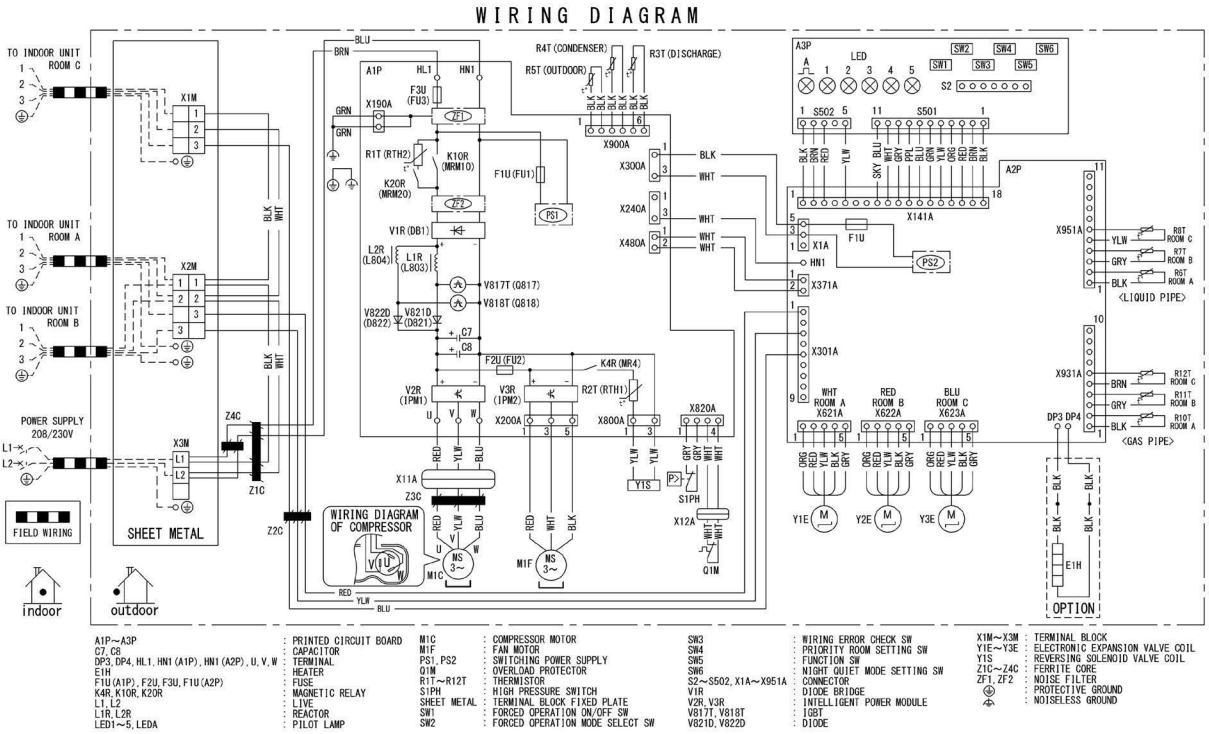
2MXM18AVJU9, 2MXT18AVJU9



A1P~A3P	: PRINTED CIRCUIT BOARD	M1C	: COMPRESSOR MOTOR	SW3	: WIRING ERROR CHECK SW	X1M, X2M	: TERMINAL BLOCK
C7, C8	: CAPACITOR	M1F	: FAN MOTOR	SW4	: PRIORITY ROOM SETTING SW	Y1E, Y2E	: ELECTRONIC EXPANSION VALVE COIL
DP3, DP4, HL1, HN1 (A1P), HN1 (A2P), U, V, W	: TERMINAL	PS1, PS2	: SWITCHING POWER SUPPLY	SW5	: FUNCTION SW	Y1S	: REVERSING SOLENOID VALVE COIL
E1H	: HEATER	Q1M	: OVERLOAD PROTECTOR	SW6	: NIGHT QUIET MODE SETTING SW	Z1C~Z4C	: FERRITE CORE
F1U (A1P), F2U, F3U, F1U (A2P)	: FUSE	R1T~R11T	: THERMISTOR	S2~S502, X1A~X951A	: CONNECTOR	ZF1, ZF2	: NOISE FILTER
K4R, K10R, K20R	: MAGNETIC RELAY	S1PH	: HIGH PRESSURE SWITCH	V1R	: DIODE BRIDGE	⏚	: PROTECTIVE GROUND
L1, L2	: LIVE	SHEET METAL	: TERMINAL BLOCK FIXED PLATE	V2R, V3R	: INTELLIGENT POWER MODULE	⏚	: NOISELESS GROUND
L1R, L2R	: REACTOR	SW1	: FORCED OPERATION ON/OFF SW	V817T, V818T	: IGBT		
LED1~5, LEDA	: PILOT LAMP	SW2	: FORCED OPERATION MODE SELECT SW	V821D, V822D	: DIODE		

C: 3D149179

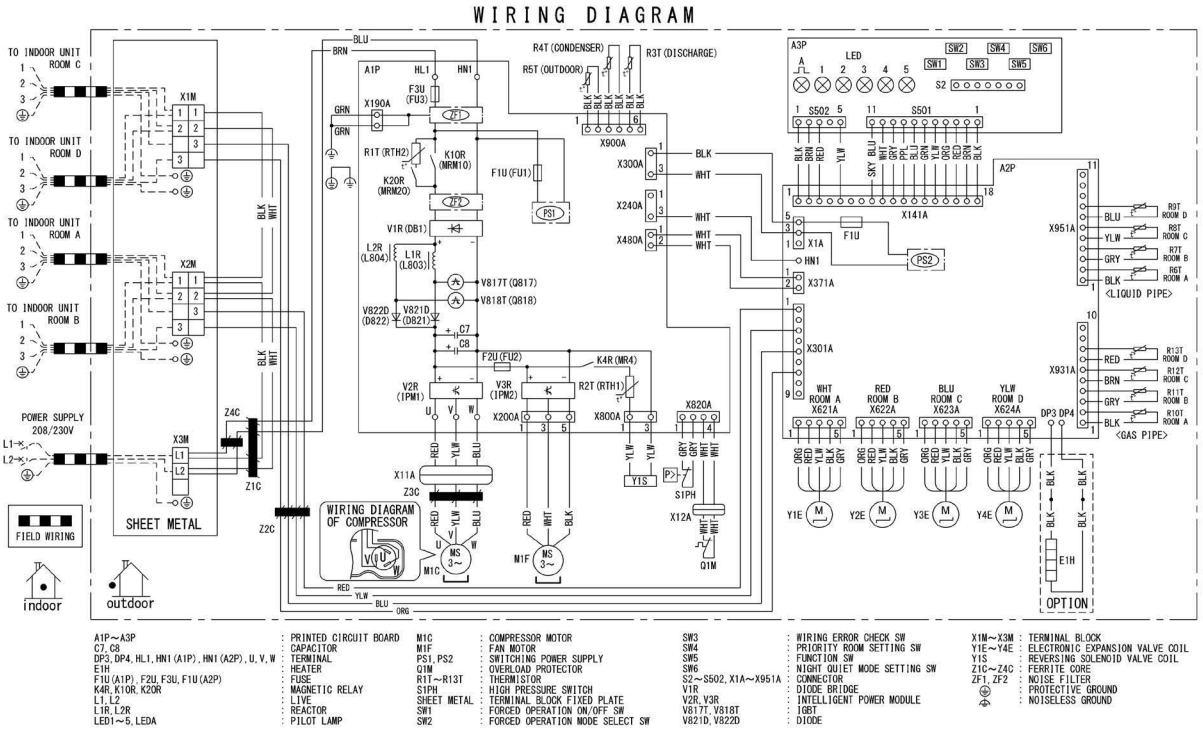
3MXM24AVJU9



A1P~A3P	: PRINTED CIRCUIT BOARD	M1C	: COMPRESSOR MOTOR	SW3	: WIRING ERROR CHECK SW	X1M~X3M	: TERMINAL BLOCK
C7, C8	: CAPACITOR	M1F	: FAN MOTOR	SW4	: PRIORITY ROOM SETTING SW	Y1E~Y3E	: ELECTRONIC EXPANSION VALVE COIL
DP3, DP4, HL1, HN1 (A1P), HN1 (A2P), U, V, W	: TERMINAL	PS1, PS2	: SWITCHING POWER SUPPLY	SW5	: FUNCTION SW	Y1S	: REVERSING SOLENOID VALVE COIL
E1H	: HEATER	Q1M	: OVERLOAD PROTECTOR	SW6	: NIGHT QUIET MODE SETTING SW	Z1C~Z4C	: FERRITE CORE
F1U (A1P), F2U, F3U, F1U (A2P)	: FUSE	R1T~R12T	: THERMISTOR	S2~S502, X1A~X951A	: CONNECTOR	ZF1, ZF2	: NOISE FILTER
K4R, K10R, K20R	: MAGNETIC RELAY	S1PH	: HIGH PRESSURE SWITCH	V1R	: DIODE BRIDGE	⏚	: PROTECTIVE GROUND
L1, L2	: LIVE	SHEET METAL	: TERMINAL BLOCK FIXED PLATE	V2R, V3R	: INTELLIGENT POWER MODULE	⏚	: NOISELESS GROUND
L1R, L2R	: REACTOR	SW1	: FORCED OPERATION ON/OFF SW	V817T, V818T	: IGBT		
LED1~5, LEDA	: PILOT LAMP	SW2	: FORCED OPERATION MODE SELECT SW	V821D, V822D	: DIODE		

C: 3D149180

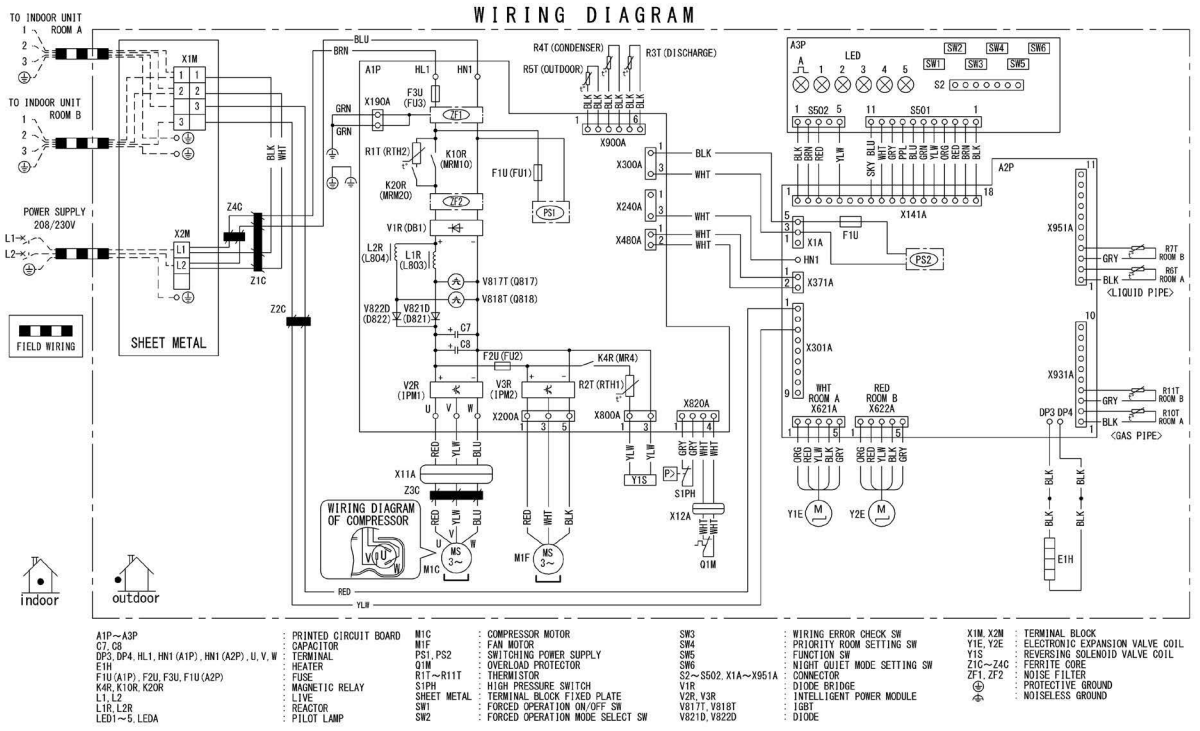
4MXM36AVJU9



A1P～A3P	: PRINTED CIRCUIT BOARD	M1C	: COMPRESSOR MOTOR	SW3	: WIRING ERROR CHECK SW	X1M～X3M	: TERMINAL BLOCK
C7, C8	: CAPACITOR	M1F	: FAN MOTOR	SW4	: PRIORITY ROOM SETTING SW	Y1E～Y4E	: ELECTRONIC EXPANSION VALVE COIL
DP3, DP4, HL1, HN1 (A1P), HN1 (A2P), U, V, W	: TERMINAL	PS1, PS2	: SWITCHING POWER SUPPLY	SW5	: FUNCTION SW	Y1S	: REVERSING SOLENOID VALVE COIL
E1H	: HEATER	Q1M	: OVERLOAD PROTECTOR	SW6	: NIGHT QUIET MODE SETTING SW	Z1C～Z4C	: FERRITE CORE
F1U (A1P), F2U, F3U, F1U (A2P)	: FUSE	R1T～R13T	: THERMISTOR	S2～S502, X1A～X951A	: CONNECTOR	ZF1, ZF2	: NOISE FILTER
K4R, K1OR, K2OR	: MAGNETIC RELAY	S1PH	: HIGH PRESSURE SWITCH	V1R	: DIODE BRIDGE	⏚	: PROTECTIVE GROUND
L1, L2	: LIVE	SHEET METAL	: TERMINAL BLOCK FIXED PLATE	V2R, V3R	: INTELLIGENT POWER MODULE	⏚	: NOISELESS GROUND
L1R, L2R	: REACTOR	SW1	: FORCED OPERATION ON/OFF SW	V817T, V818T	: IGBT		
LED1～5, LEDA	: PILOT LAMP	SW2	: FORCED OPERATION MODE SELECT SW	V821D, V822D	: DIODE		

C: 3D149197

2MXTH18AVJU9



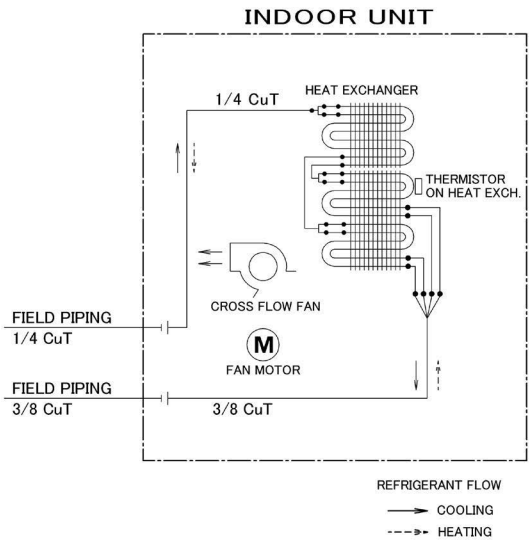
A1P～A3P	: PRINTED CIRCUIT BOARD	M1C	: COMPRESSOR MOTOR	SW3	: WIRING ERROR CHECK SW	X1M, X2M	: TERMINAL BLOCK
C7, C8	: CAPACITOR	M1F	: FAN MOTOR	SW4	: PRIORITY ROOM SETTING SW	Y1E, Y2E	: ELECTRONIC EXPANSION VALVE COIL
DP3, DP4, HL1, HN1 (A1P), HN1 (A2P), U, V, W	: TERMINAL	PS1, PS2	: SWITCHING POWER SUPPLY	SW5	: FUNCTION SW	Y1S	: REVERSING SOLENOID VALVE COIL
E1H	: HEATER	Q1M	: OVERLOAD PROTECTOR	SW6	: NIGHT QUIET MODE SETTING SW	Z1C～Z4C	: FERRITE CORE
F1U (A1P), F2U, F3U, F1U (A2P)	: FUSE	R1T～R11T	: THERMISTOR	S2～S502, X1A～X951A	: CONNECTOR	ZF1, ZF2	: NOISE FILTER
K4R, K1OR, K2OR	: MAGNETIC RELAY	S1PH	: HIGH PRESSURE SWITCH	V1R	: DIODE BRIDGE	⏚	: PROTECTIVE GROUND
L1, L2	: LIVE	SHEET METAL	: TERMINAL BLOCK FIXED PLATE	V2R, V3R	: INTELLIGENT POWER MODULE	⏚	: NOISELESS GROUND
L1R, L2R	: REACTOR	SW1	: FORCED OPERATION ON/OFF SW	V817T, V818T	: IGBT		
LED1～5, LEDA	: PILOT LAMP	SW2	: FORCED OPERATION MODE SELECT SW	V821D, V822D	: DIODE		

C: 3D149587

6. Piping Diagram

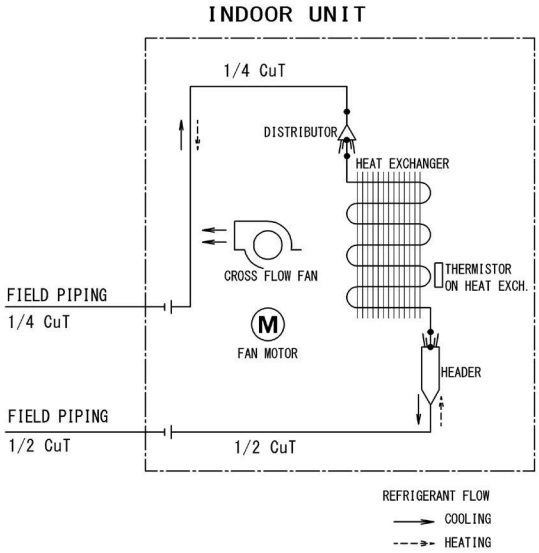
6.1 Indoor unit

CTXV07AVJU9, FTXV09/12AVJU9



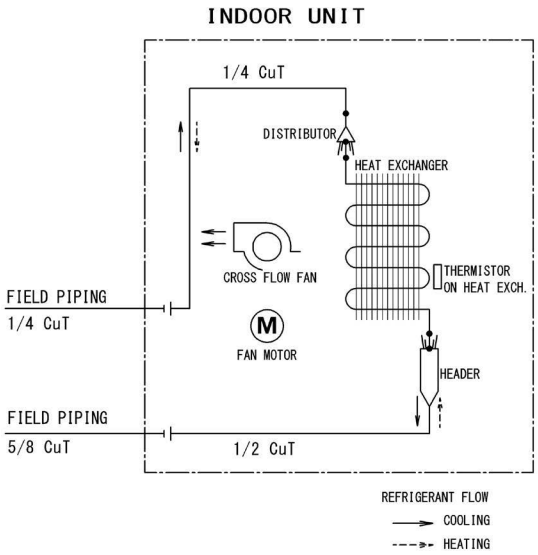
4D150950

FTXV15/18AVJU9



4D091769E

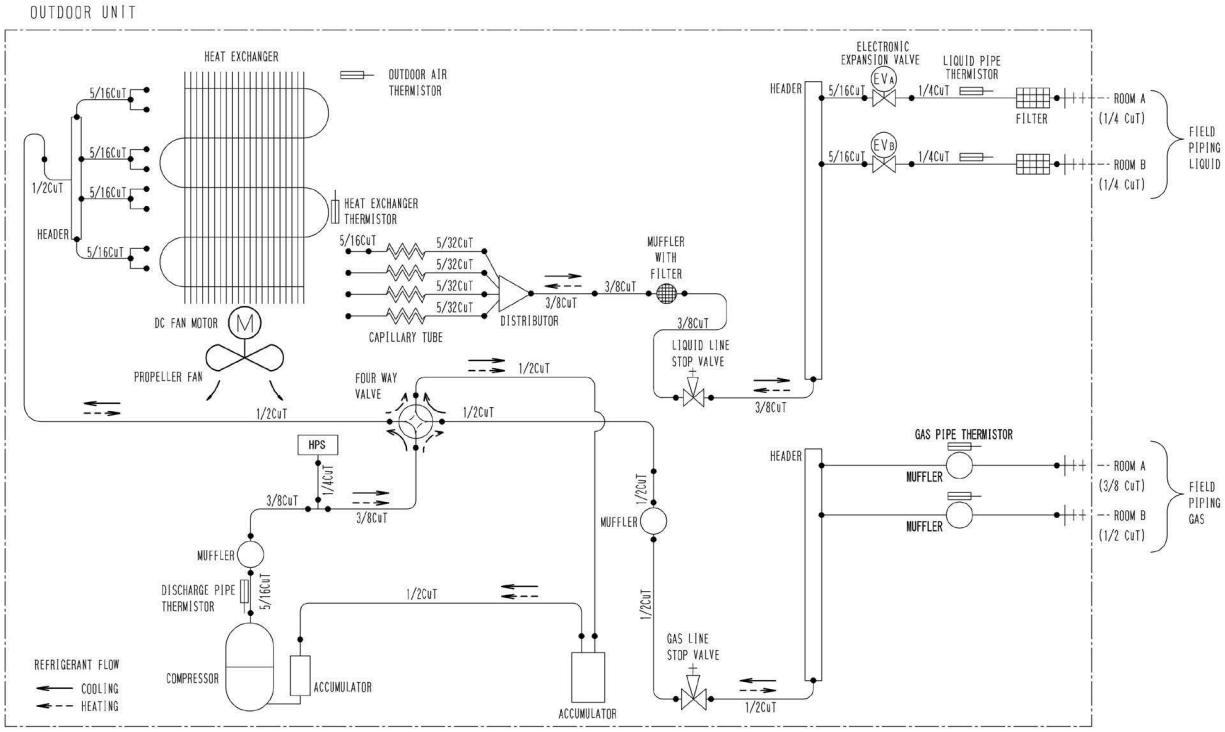
FTXV24AVJU9



4D091768C

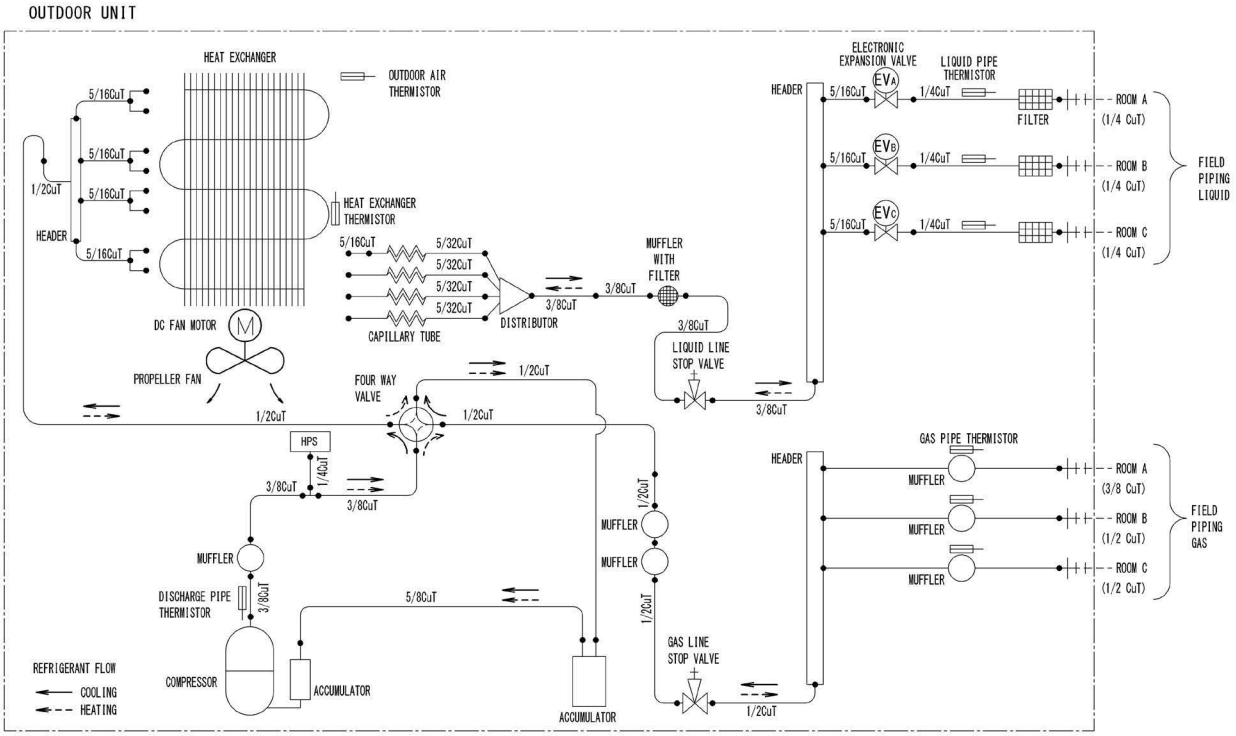
6.2 Outdoor unit

2MXM18AVJU9



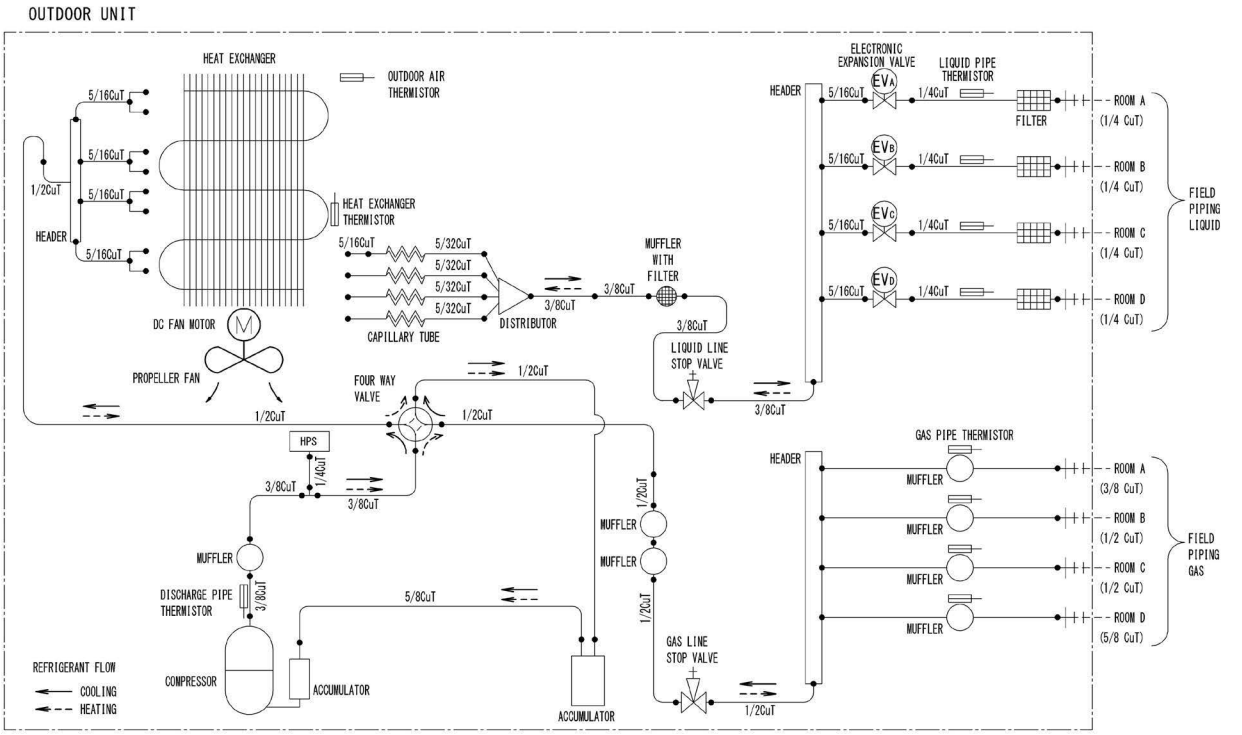
3D149796

3MXM24AVJU9



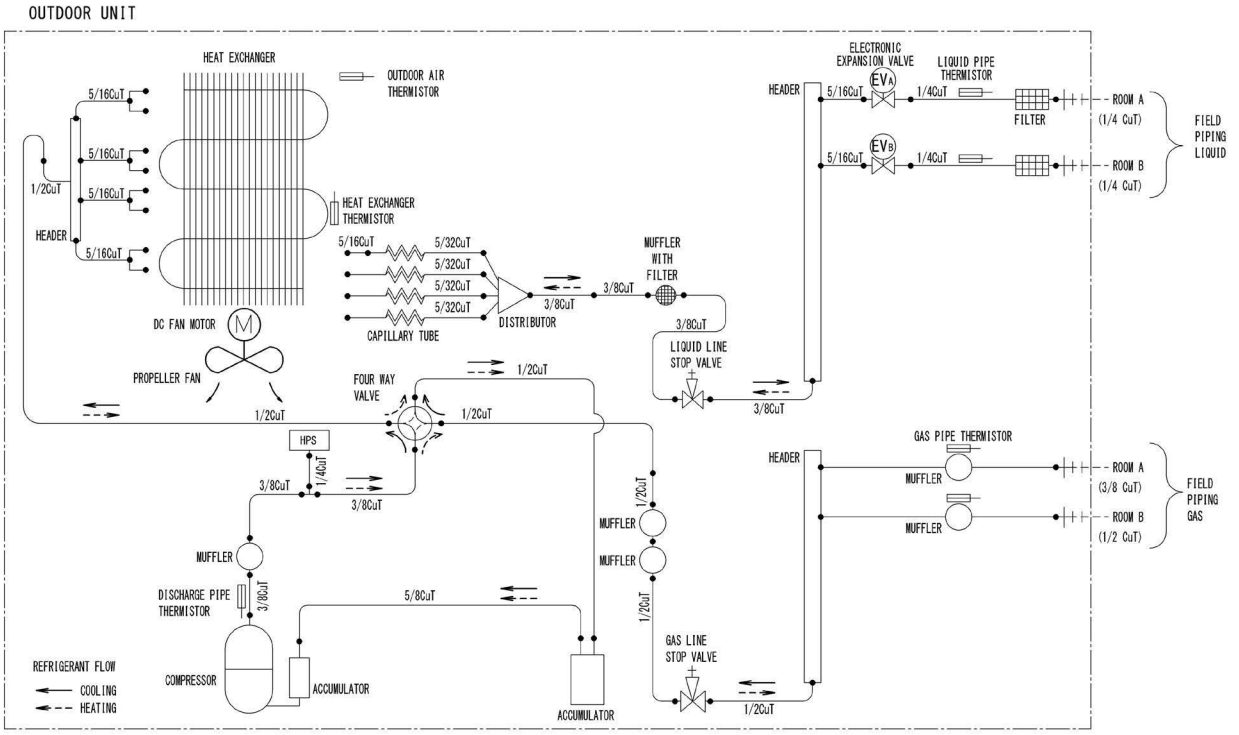
3D149798

4MXM36AVJU9



3D149799

2MXT18AVJU9, 2MXTH18AVJU9



3D149797

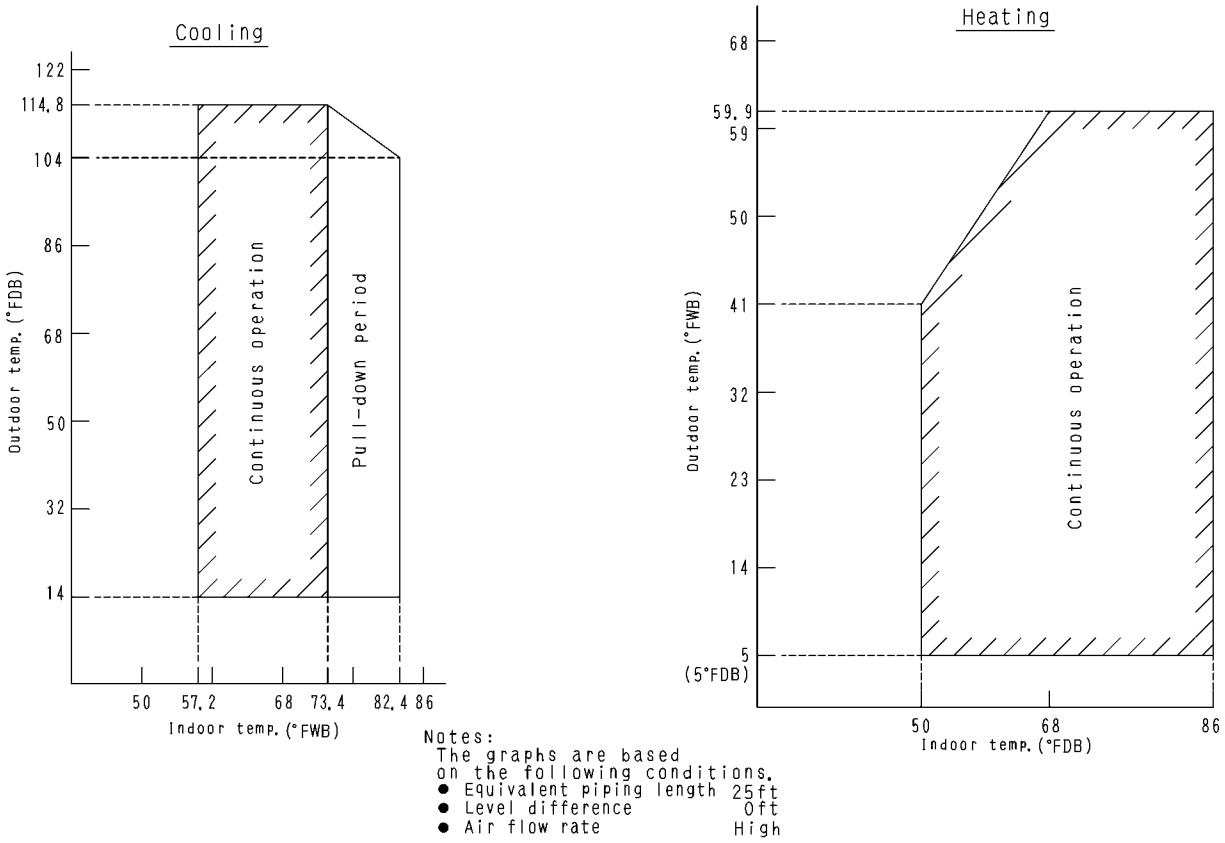
7. Capacity Table

Refer to Engineering Data books below for the Combination Capacity.

Type	Model Name	Reference
Standard type	2MXM18AVJU9 3MXM24AVJU9 4MXM36AVJU9	EDUS122403
Cold climate type	2MXT18AVJU9 2MXTH18AVJU9	EDUS122404

8. Operation Limit

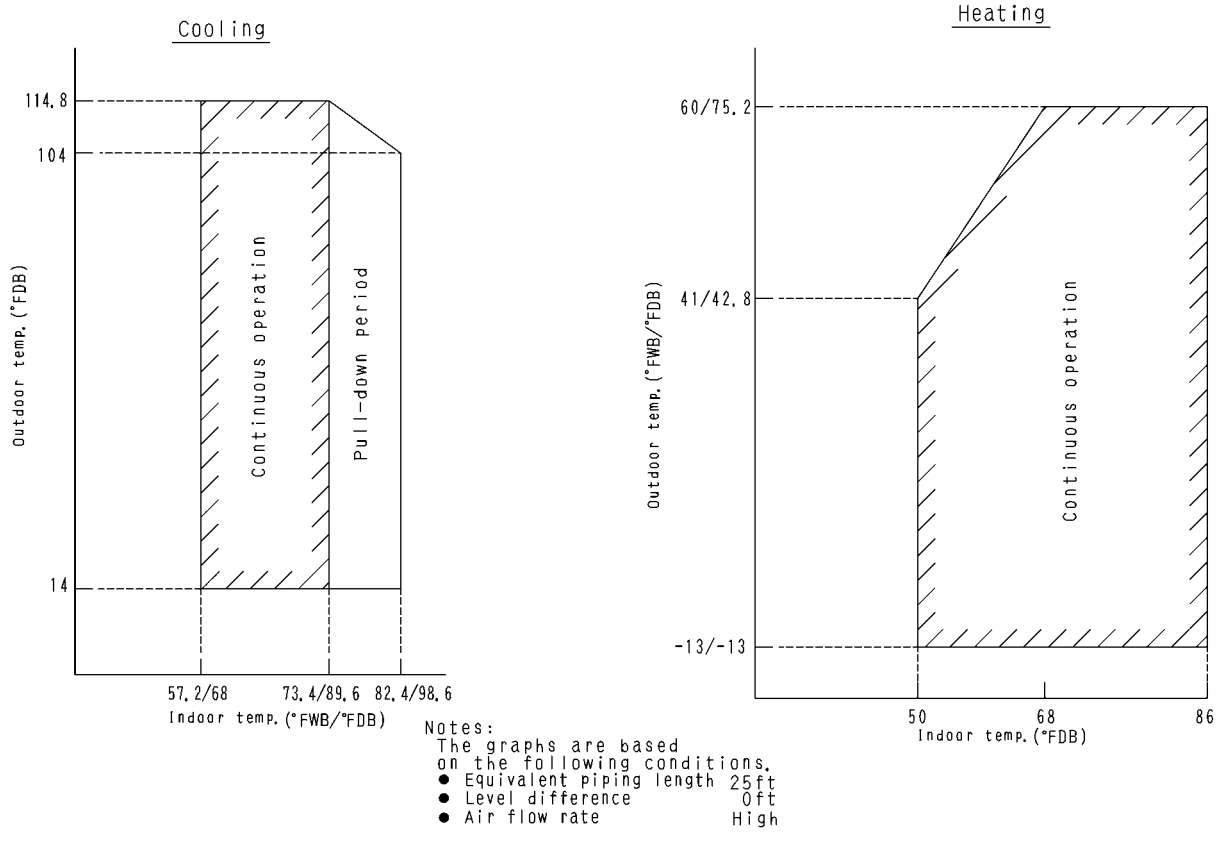
2MXM18AVJU9, 3MXM24AVJU9, 4MXM36AVJU9



Notes:
The graphs are based on the following conditions.
- Equivalent piping length 25ft
- Level difference 0ft
- Air flow rate High

3D048149D

2MXT18AVJU9, 2MXTH18AVJU9

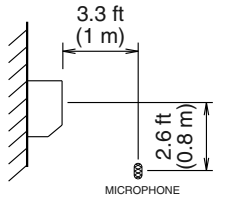
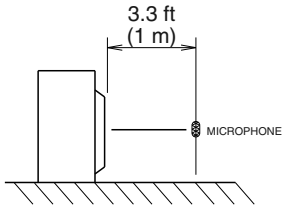


Notes:
The graphs are based on the following conditions.
- Equivalent piping length 25ft
- Level difference 0ft
- Air flow rate High

3D101428B

9. Sound Level

9.1 Measuring Location

Indoor Unit	Outdoor Unit *2
	

Notes: 1. Operation sound is measured in an anechoic chamber.

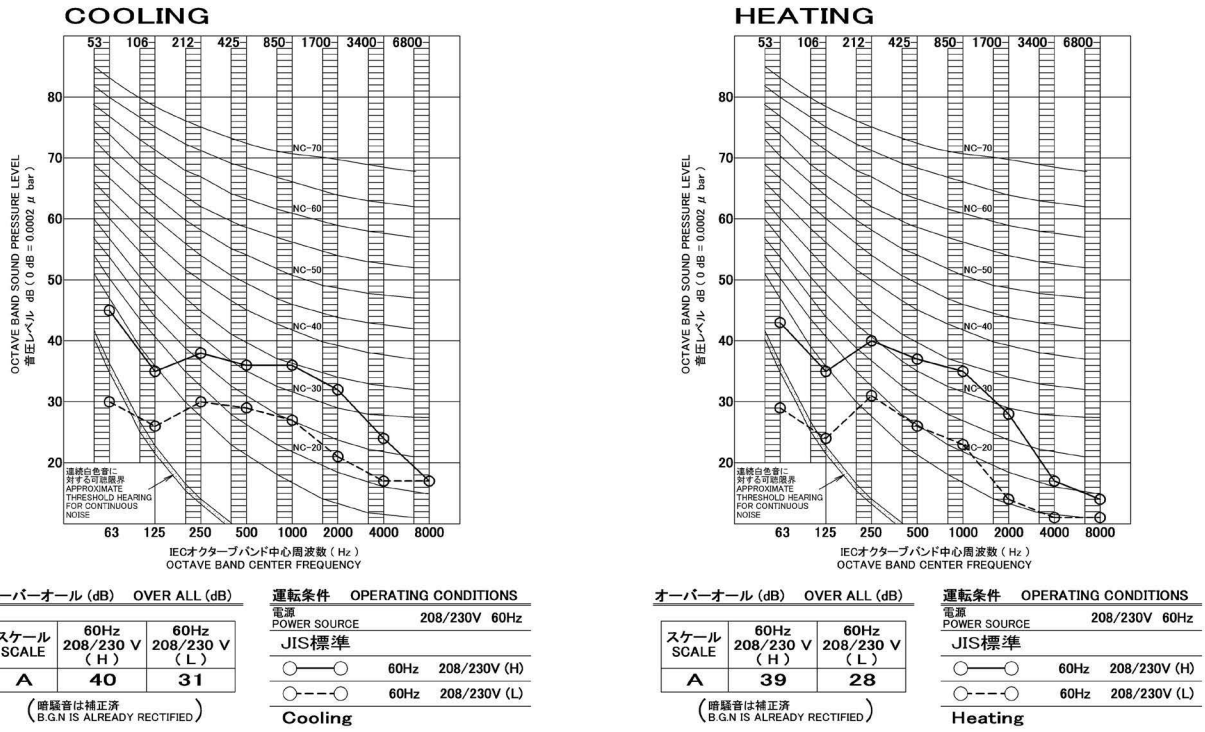
2. The operation sound measuring method is based on JIS standard.

3. The data are based on the conditions shown in the table below.

Cooling	Heating
Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (23.9°CWB)	Indoor ; 70°FDB (21.1°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6.1°CWB)

9.2 Indoor unit

CTXV07AVJU9



オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	40	31

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Cooling

オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	39	28

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

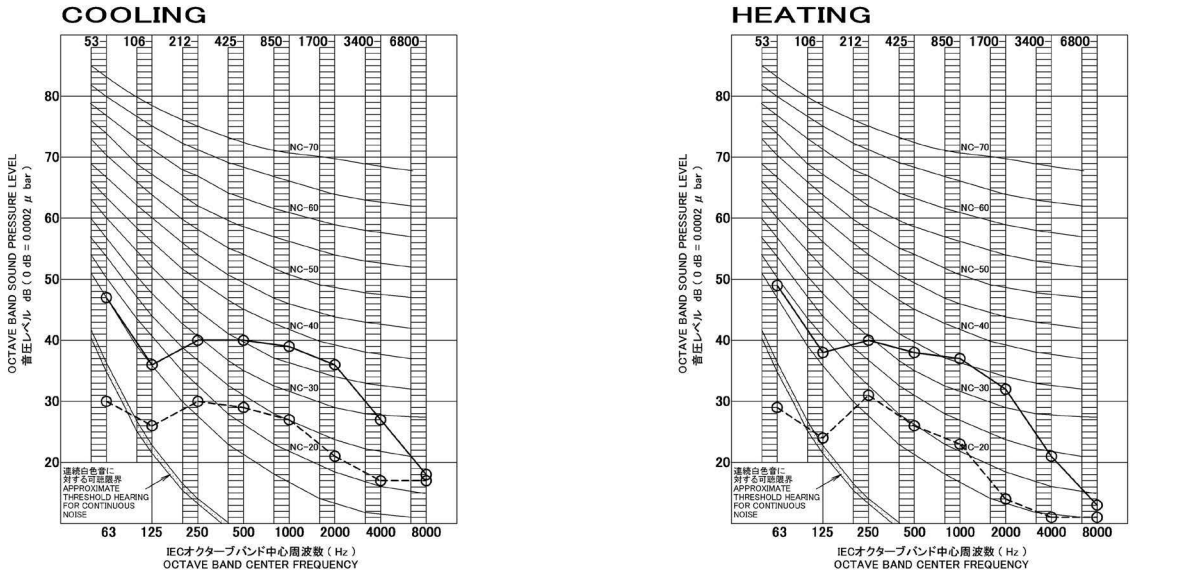
運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Heating

3D153119

FTXV09AVJU9



オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	43	31

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Cooling

オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	41	28

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

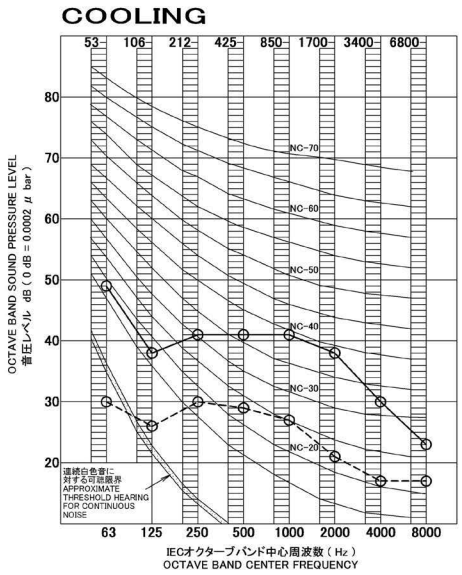
運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Heating

3D153120

FTXV12AVJU9



オーバーオール (dB) OVER ALL (dB)

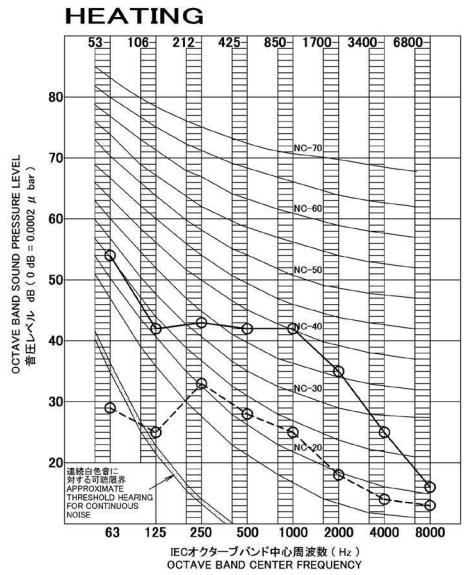
スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	45	31

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Cooling



オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	45	30

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

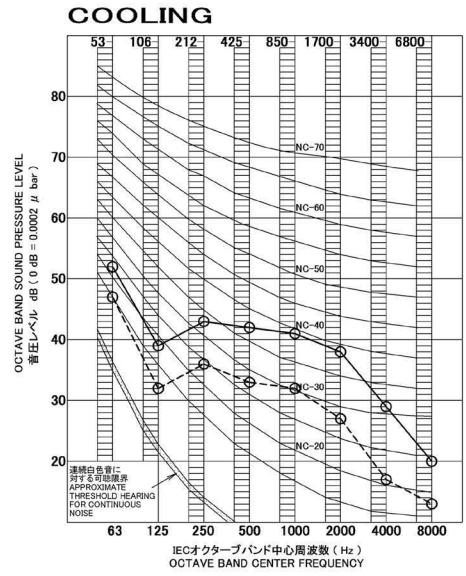
運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Heating

3D153121

FTXV15AVJU9



オーバーオール (dB) OVER ALL (dB)

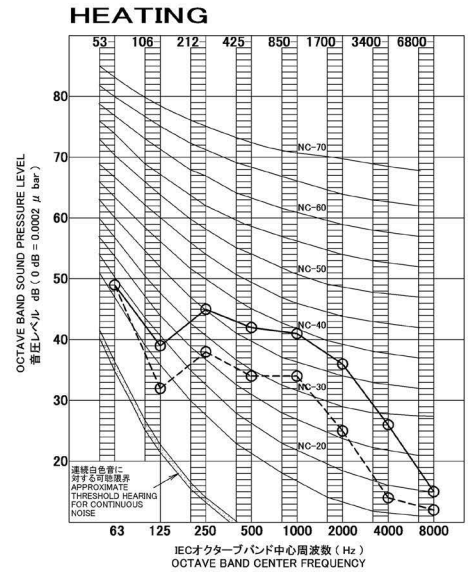
スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	45	36

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Cooling



オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	45	37

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

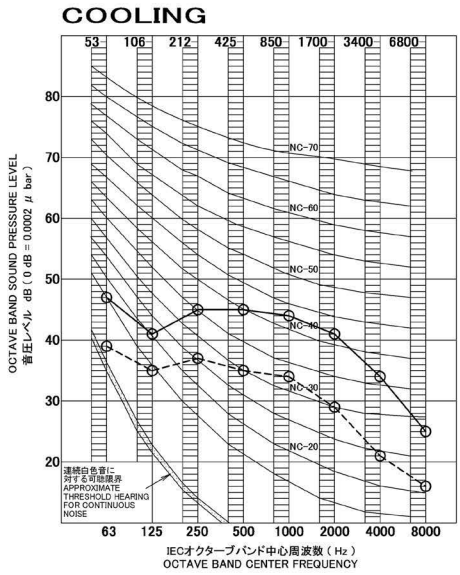
運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○---○	60Hz 208/230V (L)

Heating

3D151900

FTXV18AVJU9



オーバーオール (dB) OVER ALL (dB)

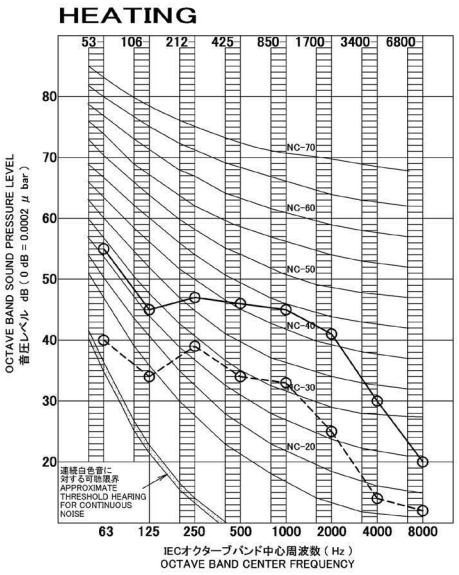
スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	48	38

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○- - -○	60Hz 208/230V (L)

Cooling



オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	49	37

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

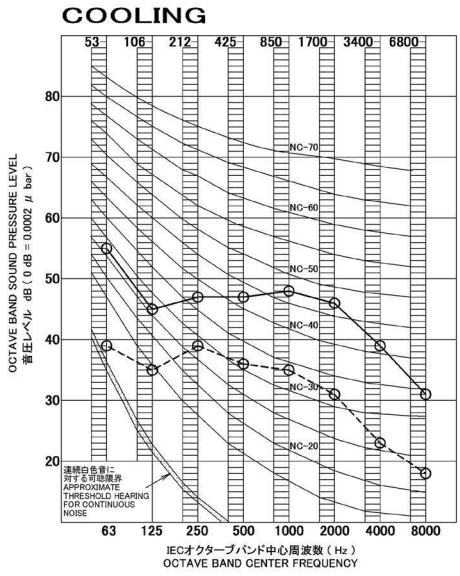
運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○- - -○	60Hz 208/230V (L)

Heating

3D151901

FTXV24AVJU9



オーバーオール (dB) OVER ALL (dB)

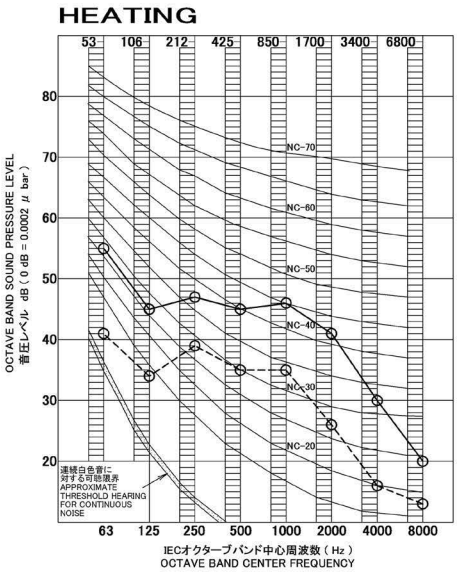
スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	52	39

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○- - -○	60Hz 208/230V (L)

Cooling



オーバーオール (dB) OVER ALL (dB)

スケール SCALE	60Hz 208/230 V (H)	60Hz 208/230 V (L)
A	49	38

(暗騒音は補正済 B.G.N IS ALREADY RECTIFIED)

運転条件 OPERATING CONDITIONS

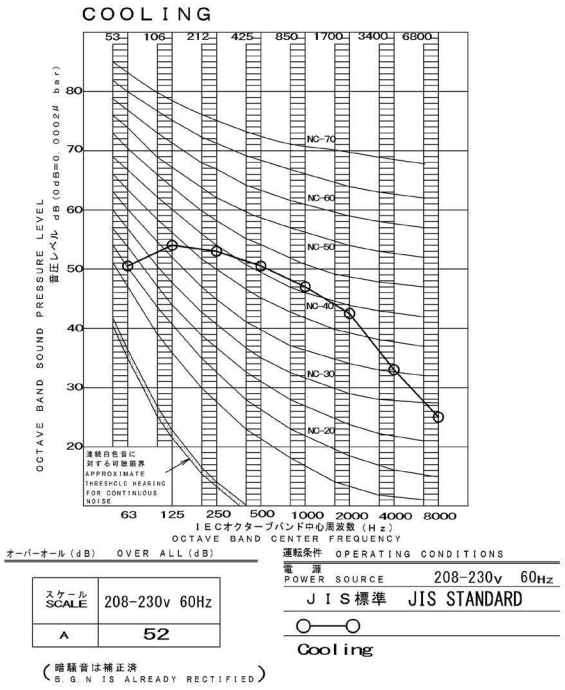
電源 POWER SOURCE	208/230V 60Hz
JIS標準	
○——○	60Hz 208/230V (H)
○- - -○	60Hz 208/230V (L)

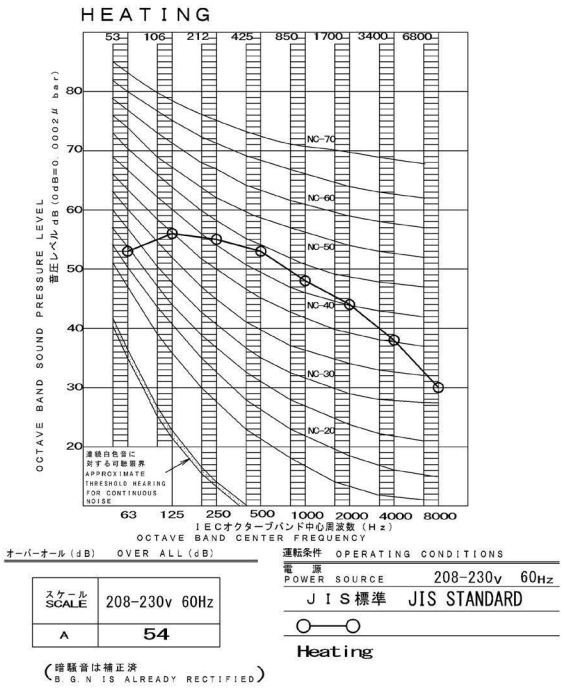
Heating

3D151902

9.3 Outdoor unit

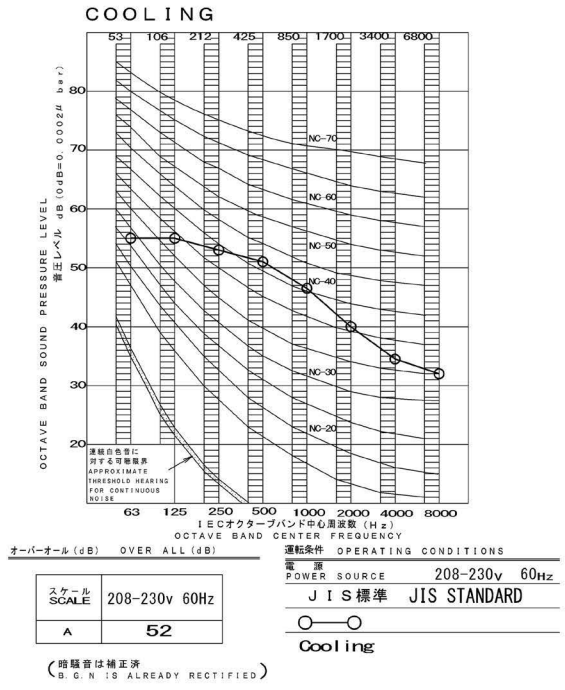
2MXM18AVJU9

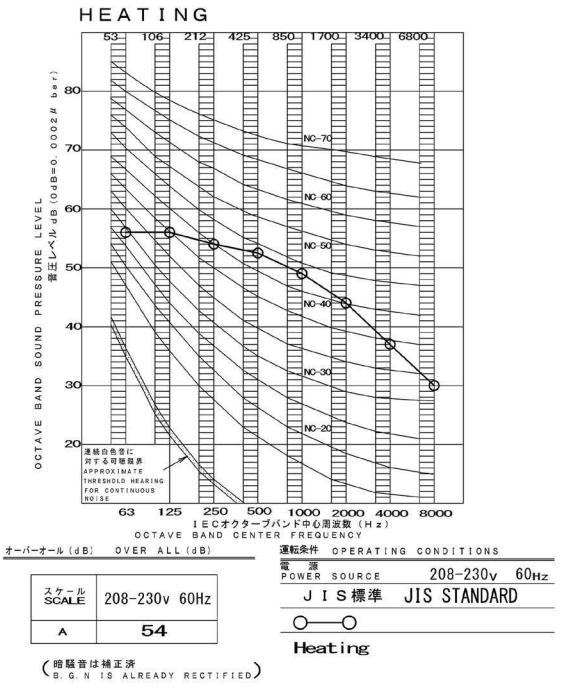




3D151393

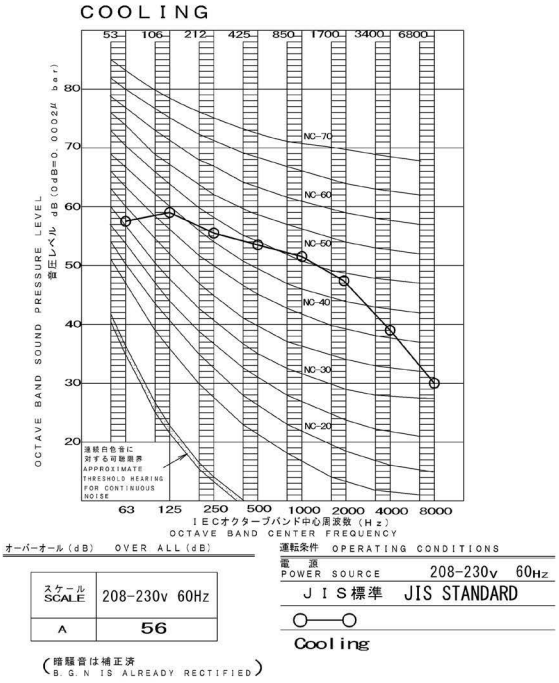
3MXM24AVJU9, 2MXT18AVJU9, 2MXTH18AVJU9

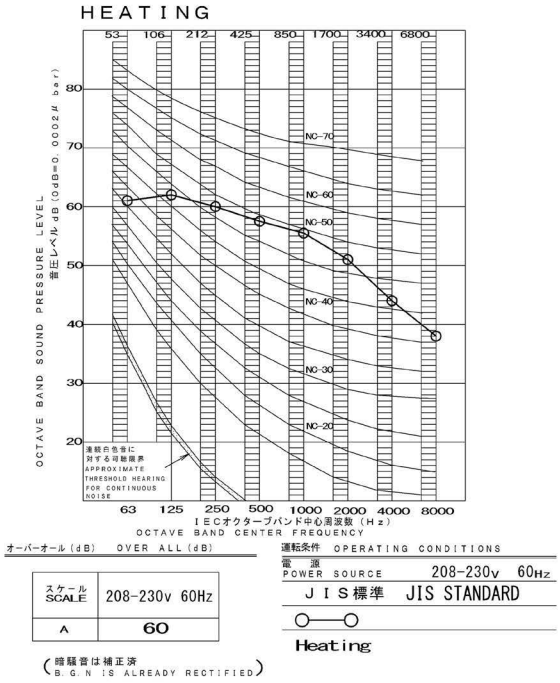




3D151394

4MXM36AVJU9





3D151395

10. Electric Characteristics

Model		Power Supply				Fan/compressor
		Hz - Volts	Voltage Range	MCA	MOP	Inverter drive input
MXM Series	2MXM18AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	15.6	20.0	13.7
	3MXM24AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	19.9	25.0	17.4
	4MXM36AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	24.1	25.0	20.8
MXT Series	2MXT18AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	18.7	20.0	14.2
MXTH Series	2MXTH18AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	19.6	20.0	14.2

C: 3D151489

Symbols:

MCA : Min. circuit ampacity (A)

MOP : Max. overcurrent protective device (A)

Notes:

1. Inverter drive input is the current value specified in Annex 101.DVA.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install a ground leak detector.
   (This unit uses an inverter, which means that an earth leak detector capable of handling high harmonics must be used in order to prevent malfunctioning of the ground leak detector.)