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.

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	

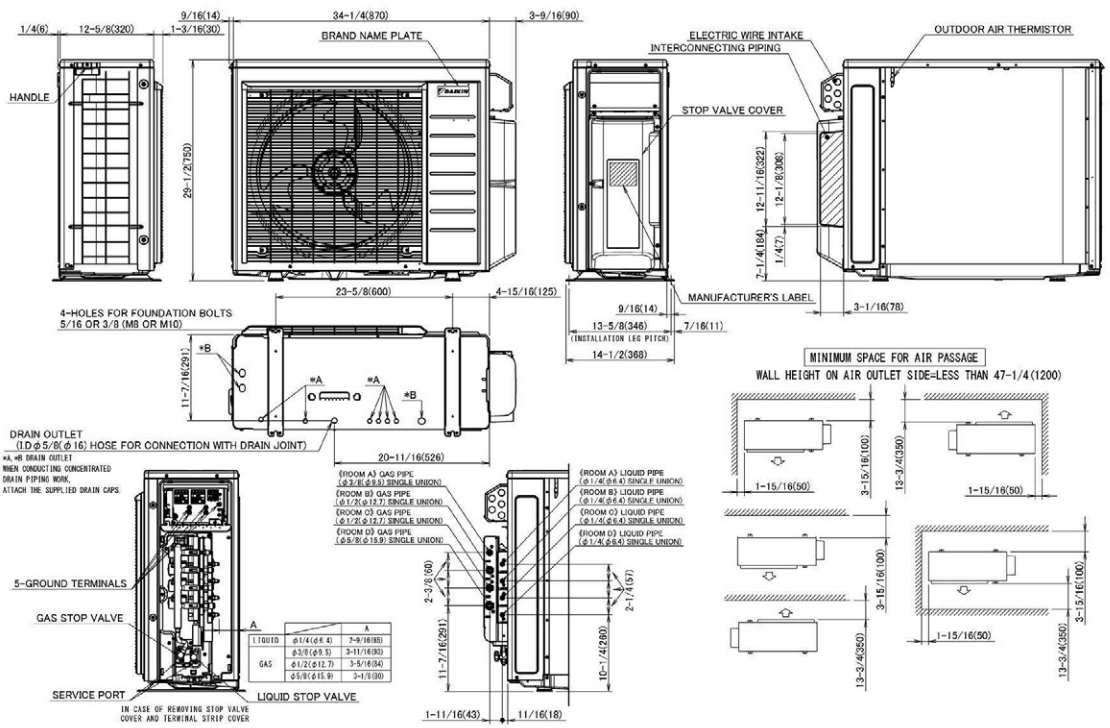
Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m³/min × 35.3

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

4MXM36AVJU9



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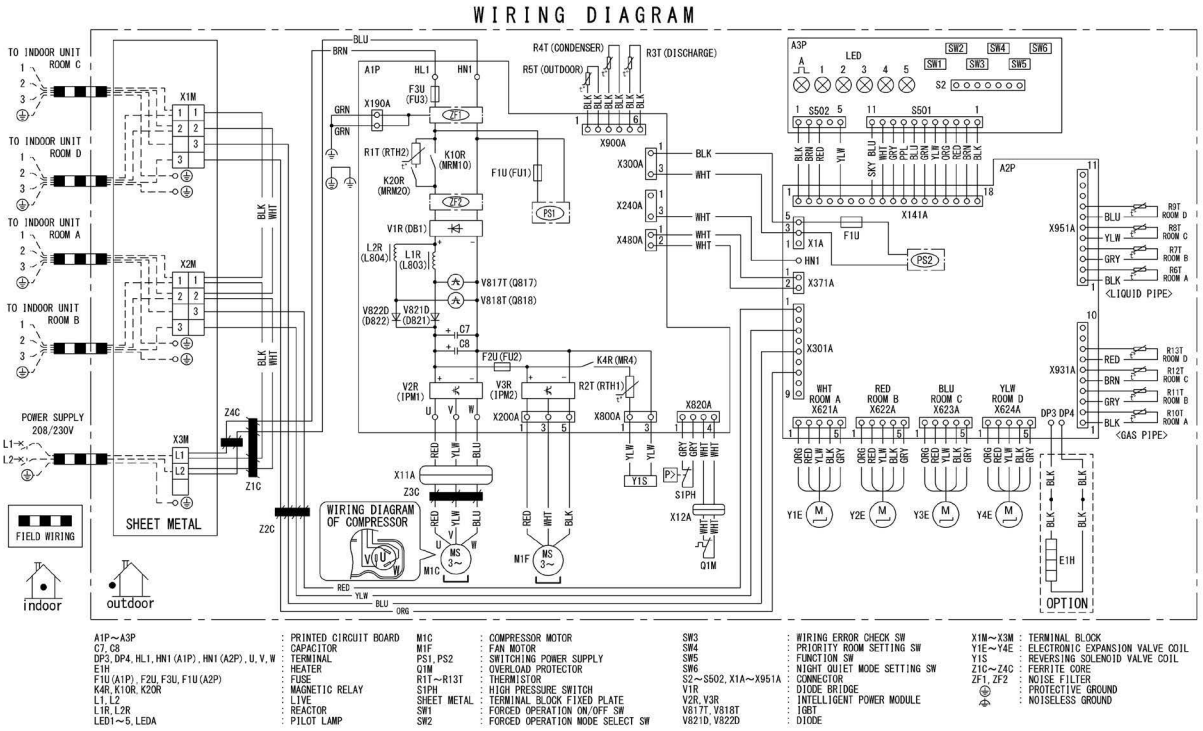
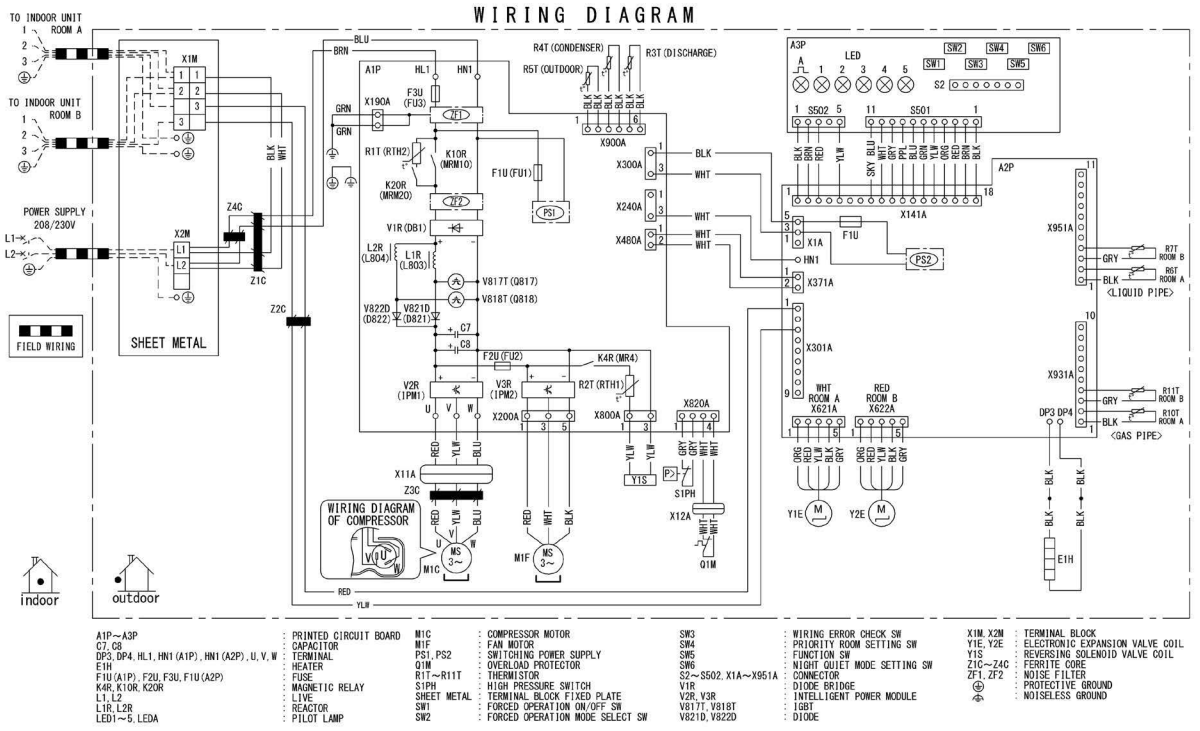
4MXM36AVJU9



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		

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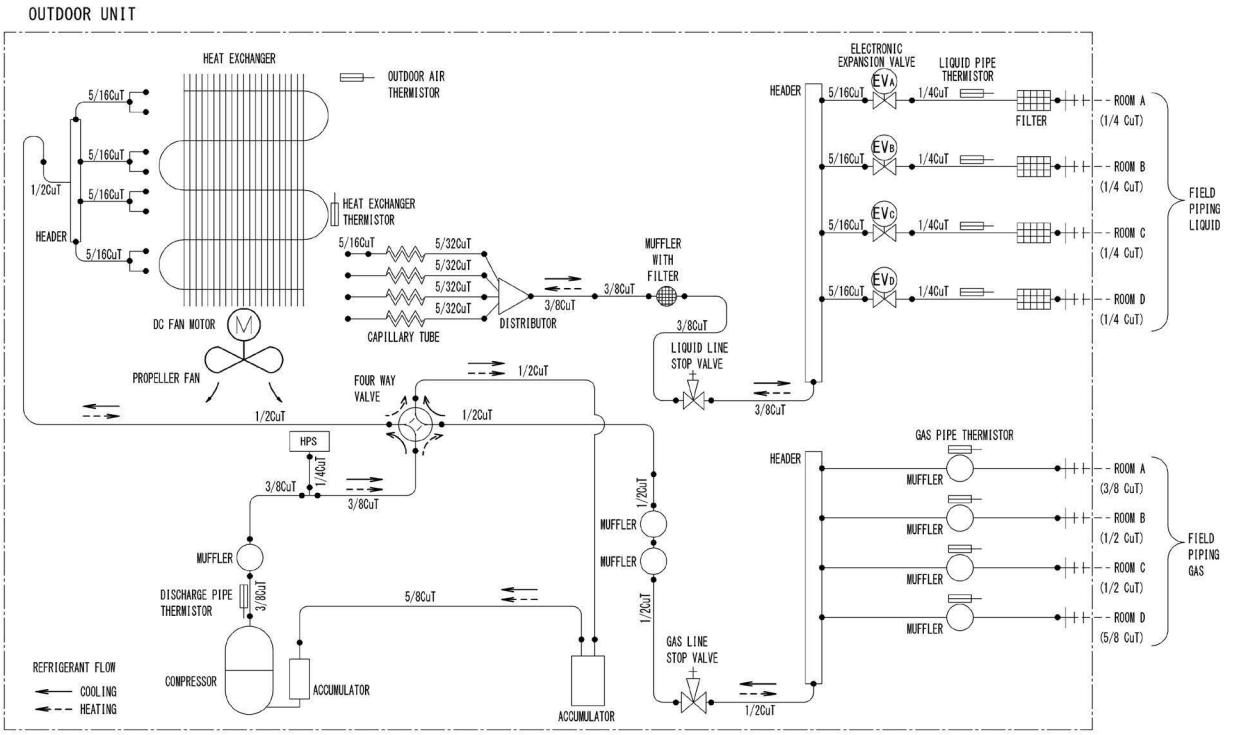
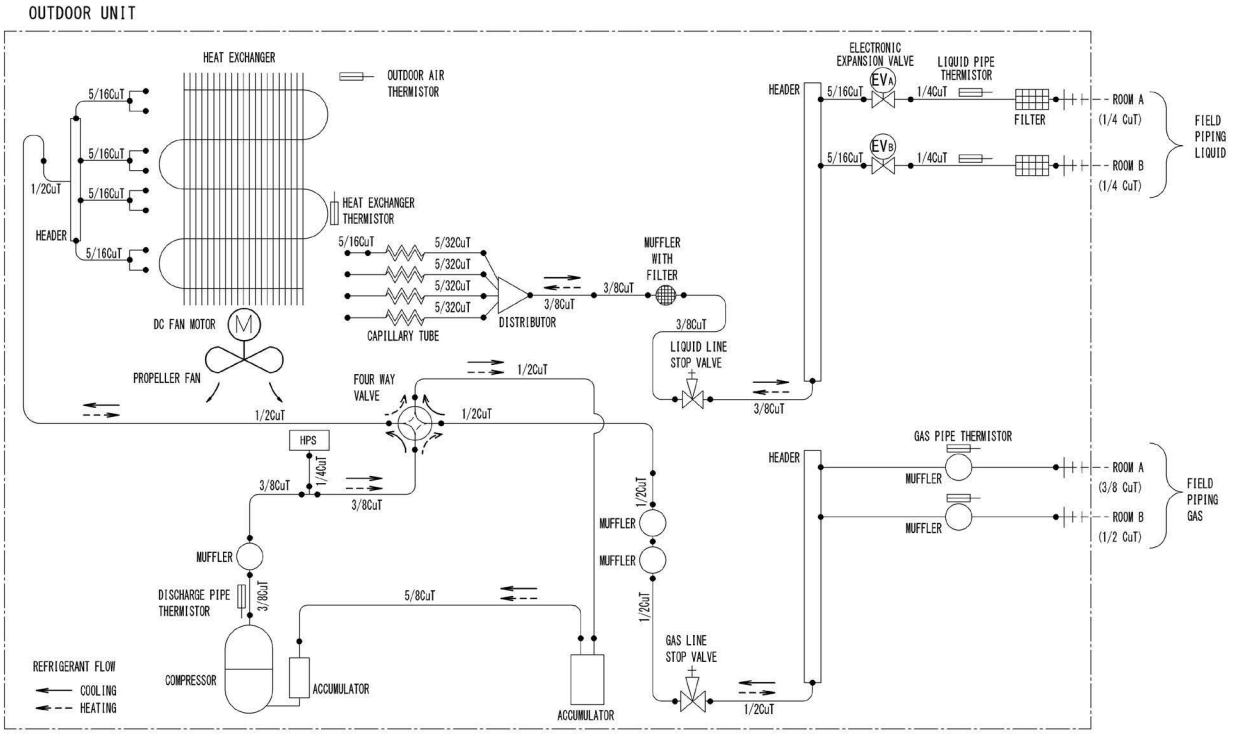
4MXM36AVJU9



3D149799

2MXT18AVJU9, 2MXTH18AVJU9



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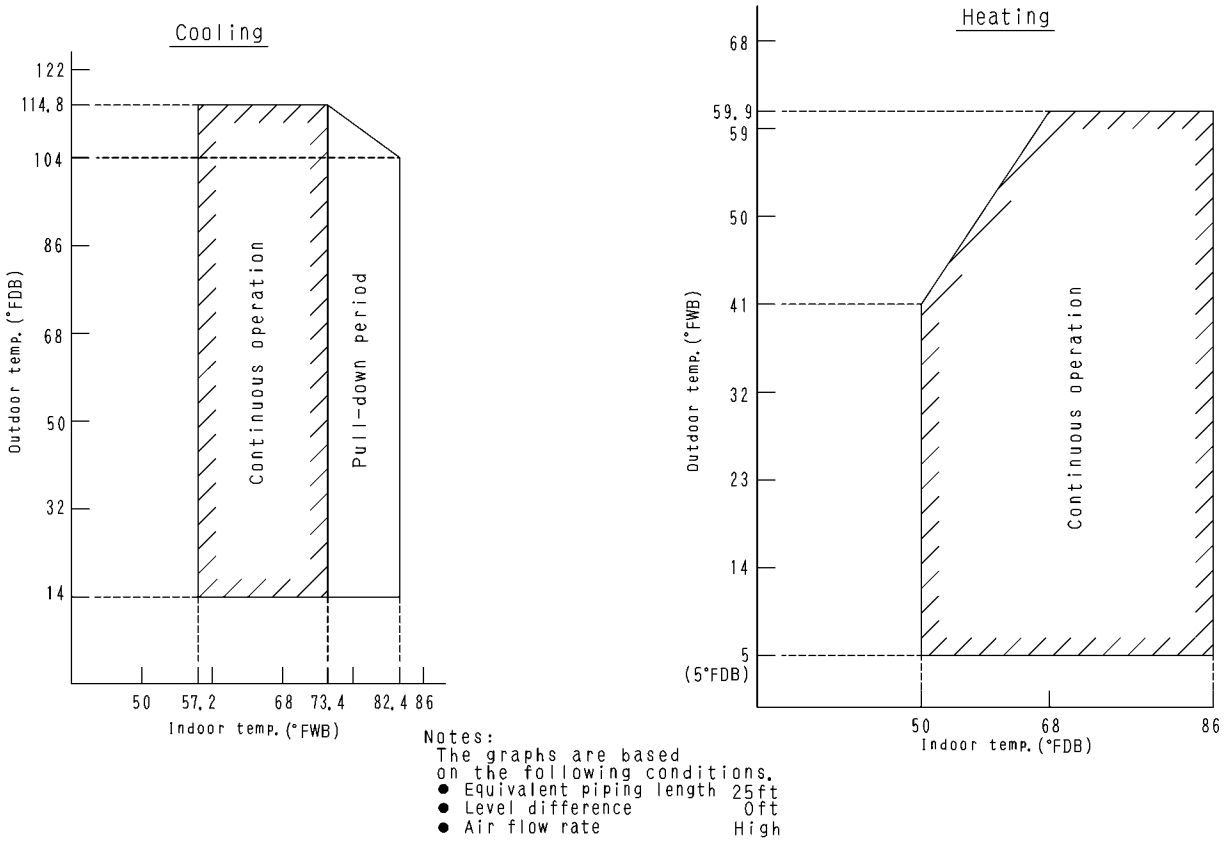
7. Capacity Table

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

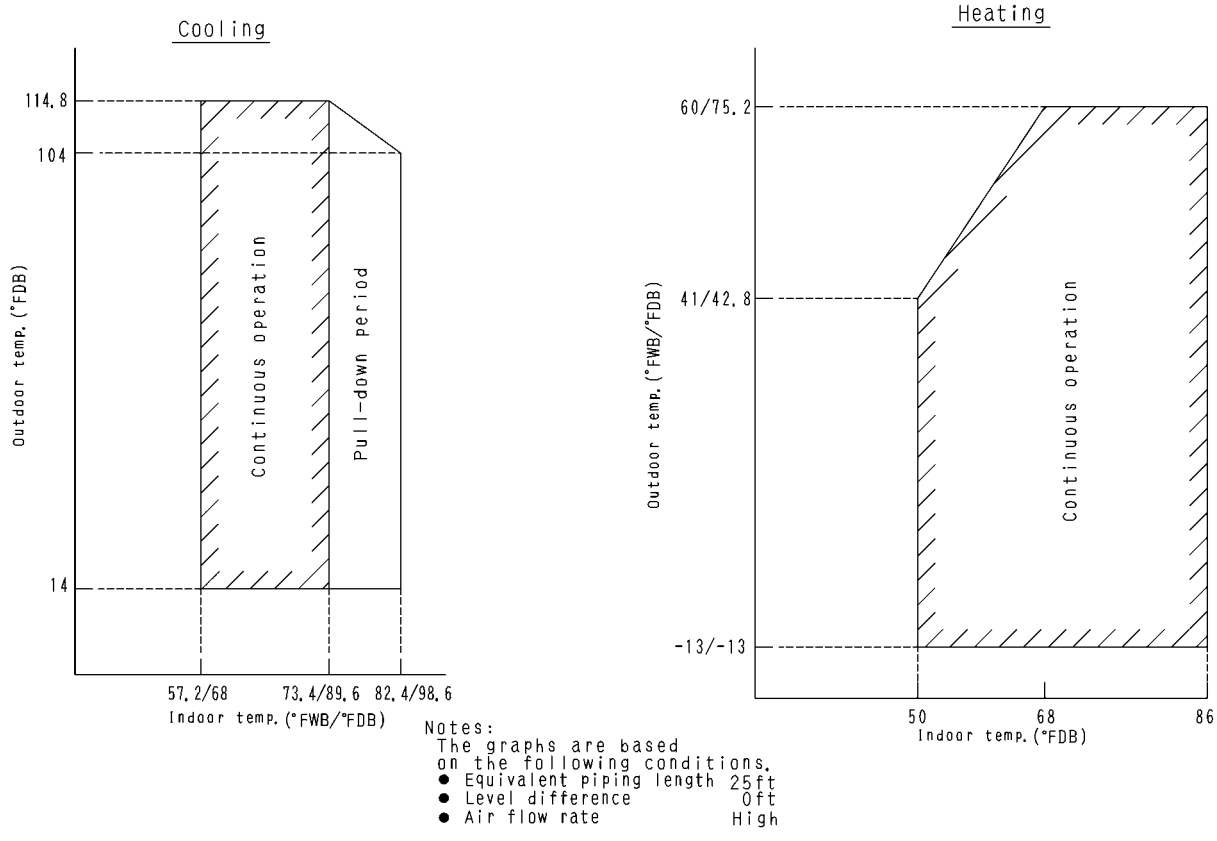
2MXM18AVJU9, 3MXM24AVJU9, 4MXM36AVJU9



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

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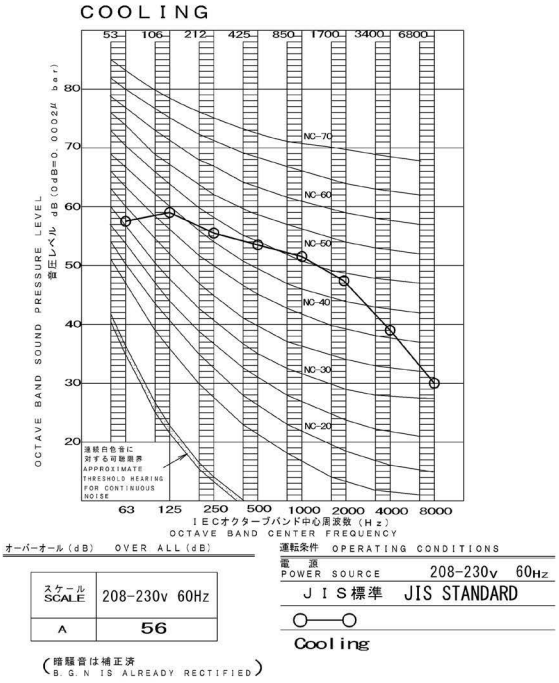
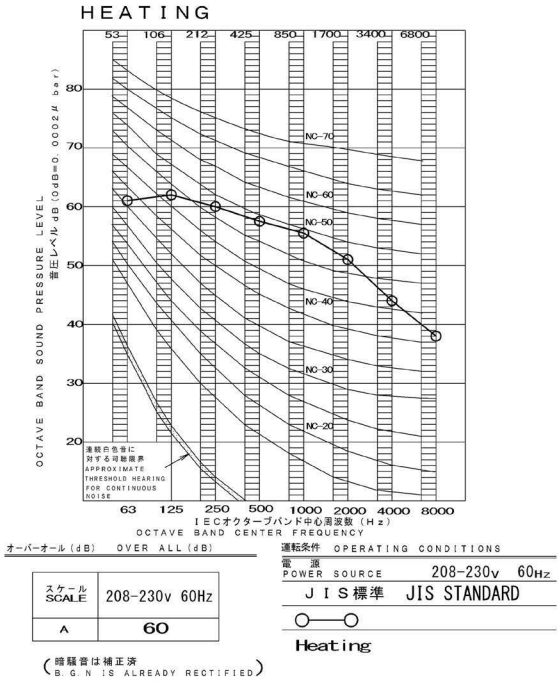
4MXM36AVJU9





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

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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.)