

1. Power Supply

Indoor Unit		Outdoor Unit	Power Supply
Wall Mounted Type CTXV, FTXV Series	CTXV07AVJU9	Standard Type 2MXM18AVJU9 3MXM24AVJU9 4MXM36AVJU9 5MXM48AVJU9	1 phase, 208 - 230 V, 60 Hz
	FTXV09AVJU9	4MXM36AVJU9 5MXM48AVJU9	
	FTXV12AVJU9	Cold Climate Type 2MXT18AVJU9 3MXT24AVJU9 4MXT36AVJU9 5MXT40AVJU9	
	FTXV15AVJU9	3MXT24AVJU9 4MXT36AVJU9 5MXT40AVJU9	
	FTXV18AVJU9	2MXTH18AVJU9 (with drain pan heater) 3MXTH24AVJU9 (with drain pan heater)	
	FTXV24AVJU9	4MXTH36AVJU9 (with drain pan heater) 5MXTH40AVJU9 (with drain pan heater)	

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			4MXT36AVJU9		4MXTH36AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
COP@5°F		W/W	—	1.9	—	1.9
EER2		Btu/W·h	12.0	—	12.0	—
SEER2			20.0	—	20.0	—
HSPF2			—	9.5	—	9.5
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2Y350BPCX2A		2Y350BPCX2A	
	Motor Output	W	3,300		3,300	
Refrigerant Oil	Model		FW68DE		FW68DE	
	Charge	fl oz (L)	51.4 (1.52)		51.4 (1.52)	
Refrigerant	Type		R-32		R-32	
	Charge	lbs (kg)	6.94 (3.15)		6.94 (3.15)	
Airflow Rates		cfm	3,137	3,137	3,137	3,137
		m³/min	88.7	88.7	88.7	88.7
Fan	Type		Propeller		Propeller	
	Motor Output	W	192		192	
	Running Current	A	0.48	0.48	0.48	0.48
	Power Consumption	W	99.5	99.5	99.5	99.5
Starting Current		A	27.0		27.0	
Dimensions (H × W × D)		in. (mm)	34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)		34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)	
Packaged Dimensions (H × W × D)		in. (mm)	39-15/16 × 46-7/8 × 21-15/16 (1,014 × 1,190 × 558)		39-15/16 × 46-7/8 × 21-15/16 (1,014 × 1,190 × 558)	
Weight (Mass)		lbs (kg)	216 (98)		218 (99)	
Gross Weight (Gross Mass)		lbs (kg)	234 (106)		236 (107)	
Sound Pressure Level		dB(A)	55	57	55	57
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 4 (ϕ 6.4 × 4)		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)		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 1 (ϕ 25)		I.D. ϕ 1 (ϕ 25)	
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)		230 (70) (for Total of Each Room)		230 (70) (for Total of Each Room)	
	ft (m)		98 (30) (for One Room)		98 (30) (for One Room)	
Amount of Additional Charge		oz/ft (g/m)	0.22 (20) (131-1/4 ft (40 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)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB)
			Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	Outdoor : 95°FDB (35°CDB) / 75°FWB (24°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.			C: 3D158478		C: 3D158479	

Conversion Formulae

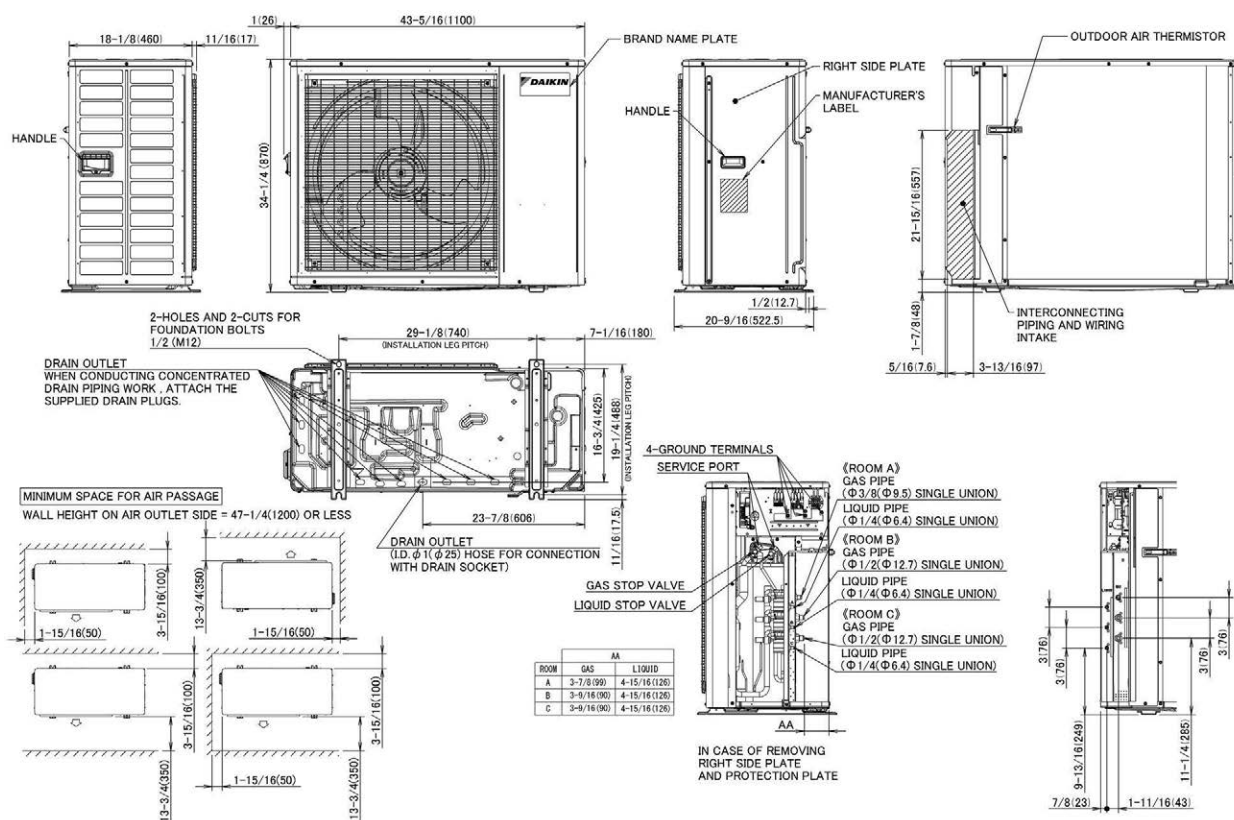
kcal/h = kW × 860
 Btu/h = kW × 3412
 cfm = m³/min × 35.3

3.3 Combination Capacity

Refer to Engineering Data books below for the Combination Capacity.

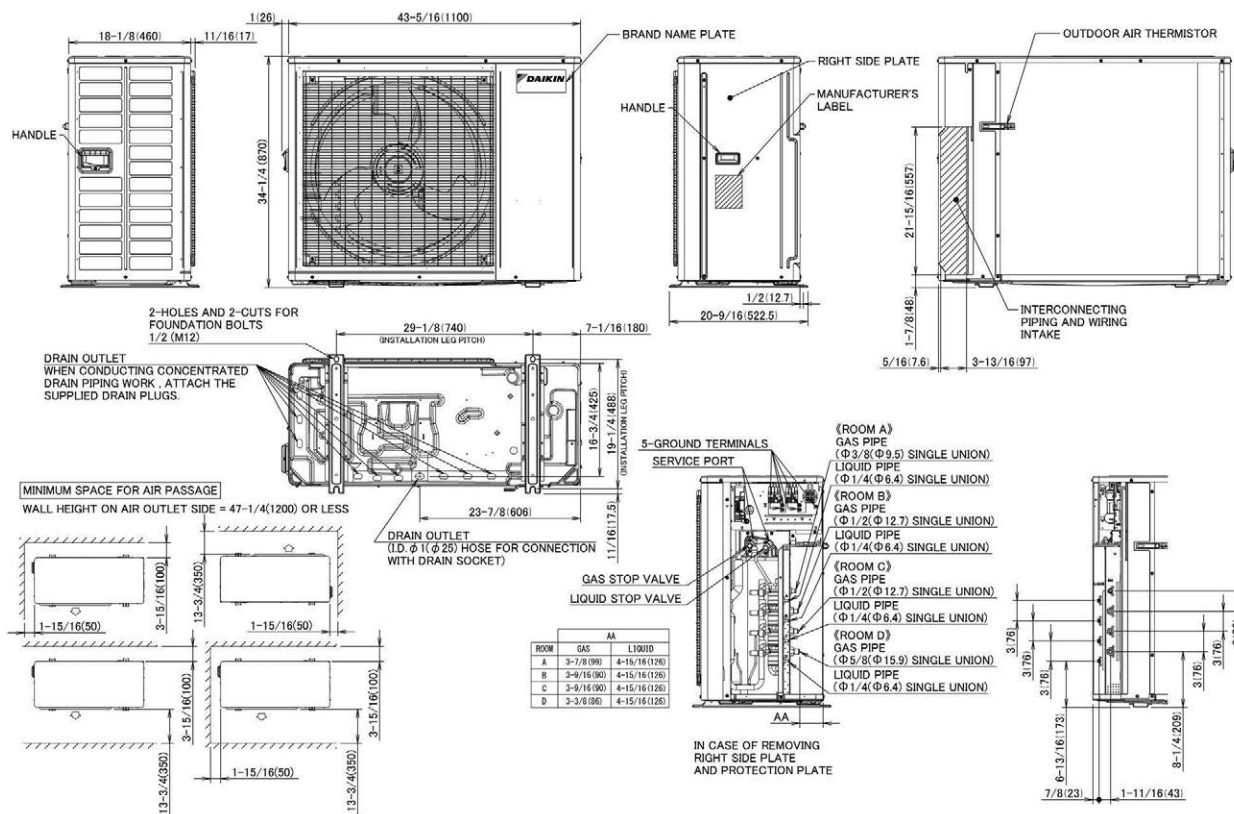
Type	Model Name	Reference
Standard type	2MXM18AVJU9 3MXM24AVJU9 4MXM36AVJU9 5MXM48AVJU9	EDUS122403
Cold climate type	2MXT18AVJU9 3MXT24AVJU9 4MXT36AVJU9 5MXT40AVJU9 2MXTH18AVJU9 3MXTH24AVJU9 4MXTH36AVJU9 5MXTH40AVJU9	EDUS122404

3MXT24AVJU9, 3MXTH24AVJU9



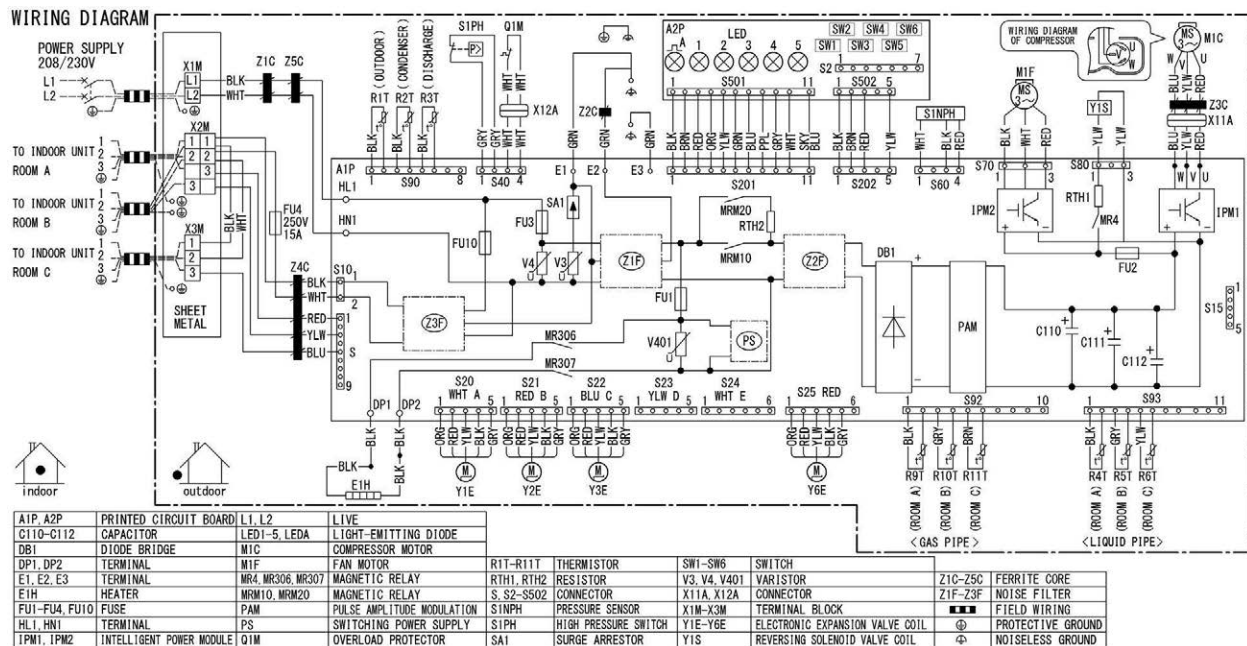
3D157871

4MXT36AVJU9, 4MXTH36AVJU9



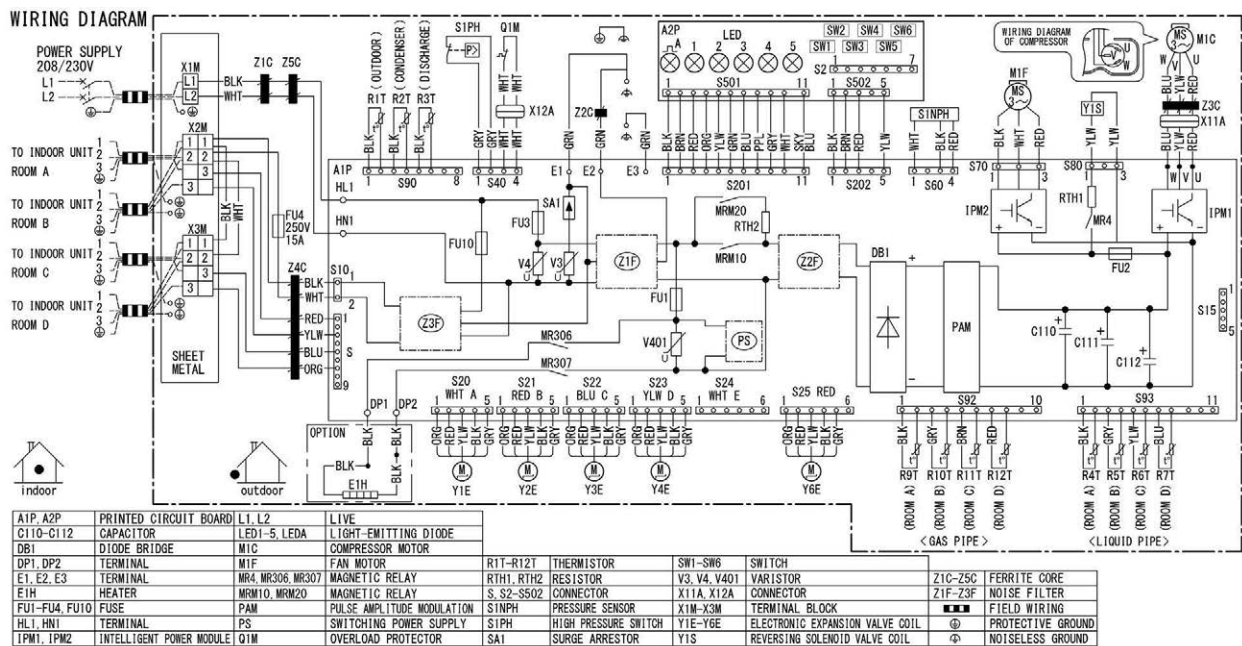
3D157870

3MXTH24AVJU9



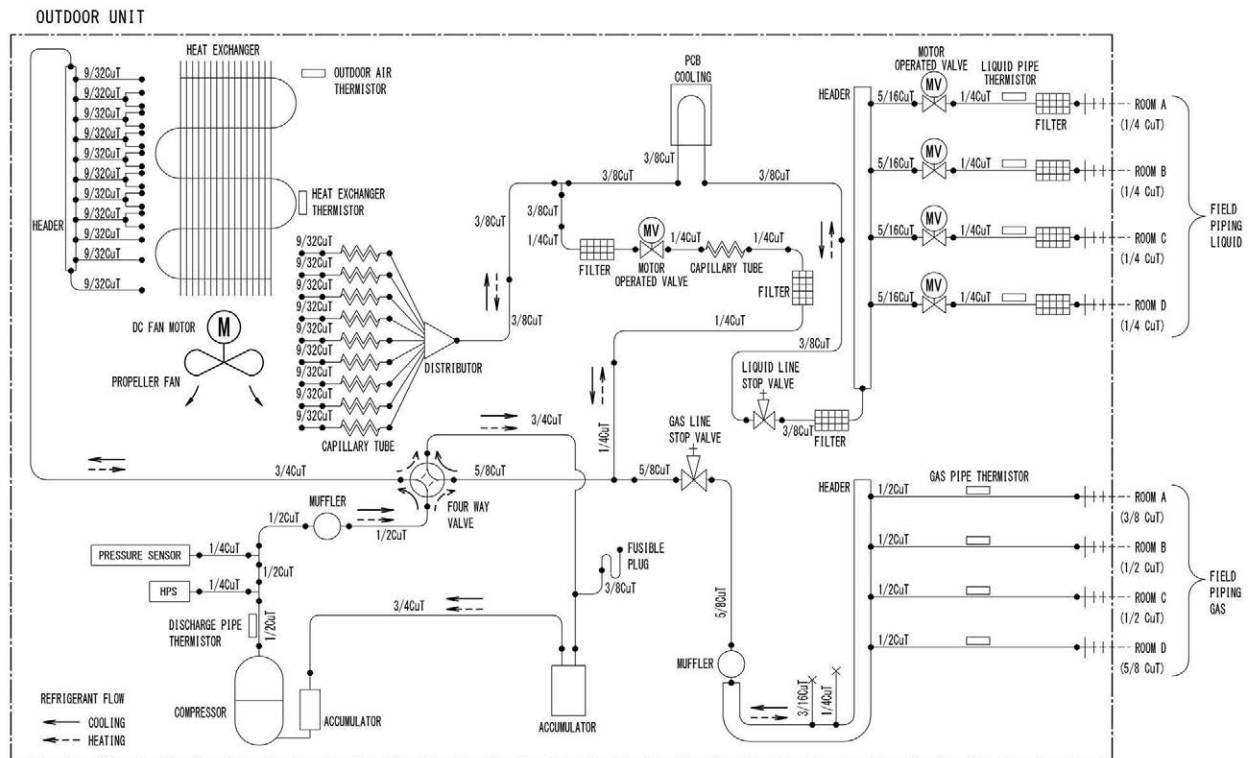
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4MXT36AVJU9



C: 3D156353

4MXT36AVJU9, 4MXTH36AVJU9

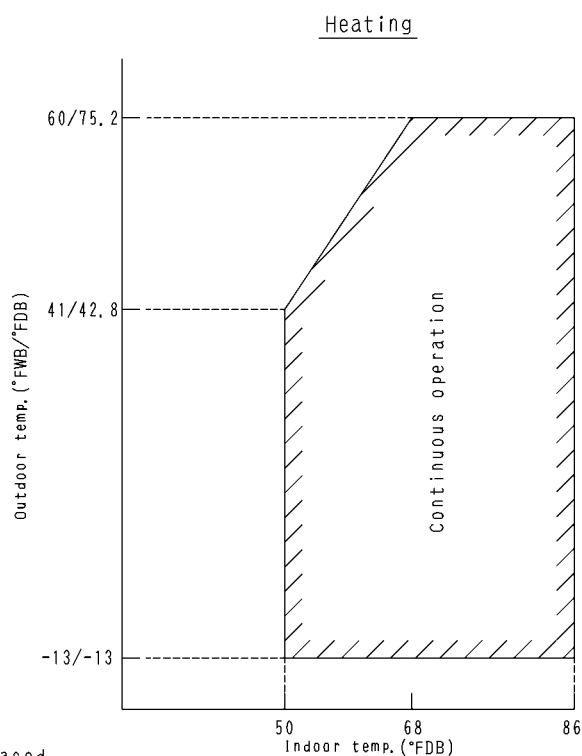
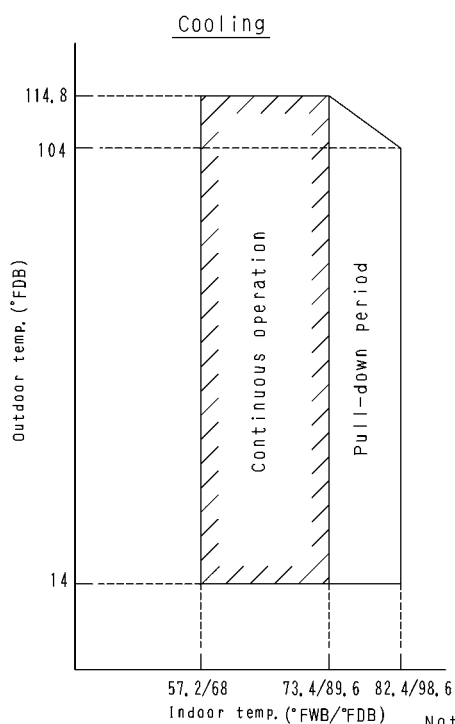


3D157509

7. Capacity Table

Refer to Engineering Data books below for the Combination Capacity.

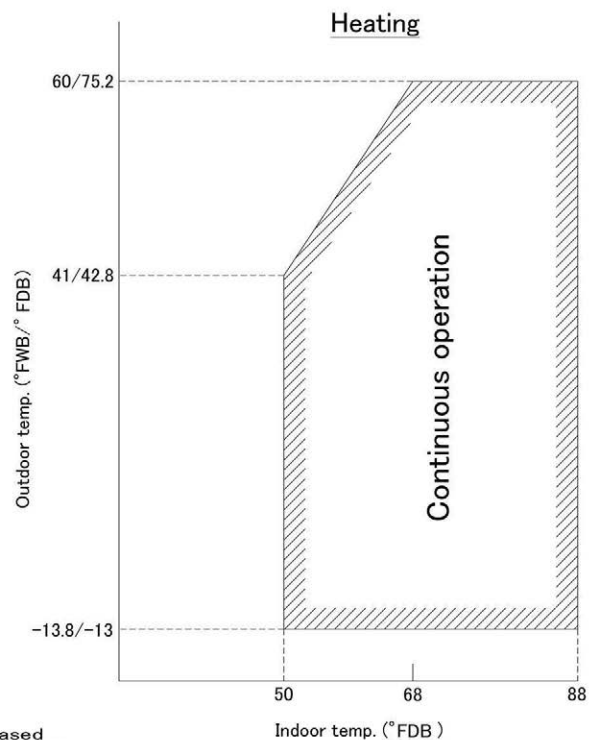
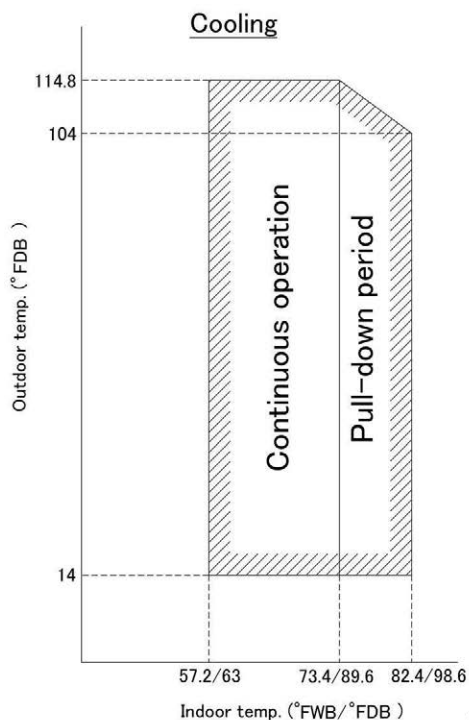
Type	Model Name	Reference
Standard type	2MXM18AVJU9 3MXM24AVJU9 4MXM36AVJU9 5MXM48AVJU9	EDUS122403
Cold climate type	2MXT18AVJU9 3MXT24AVJU9 4MXT36AVJU9 5MXT40AVJU9 2MXTH18AVJU9 3MXTH24AVJU9 4MXTH36AVJU9 5MXTH40AVJU9	EDUS122404

2MXT18AVJU9, 2MXTH18AVJU9

Notes:
 The graphs are based
 on the following conditions.

- Equivalent piping length 25ft
- Level difference 0ft
- Air flow rate High

3D101428B

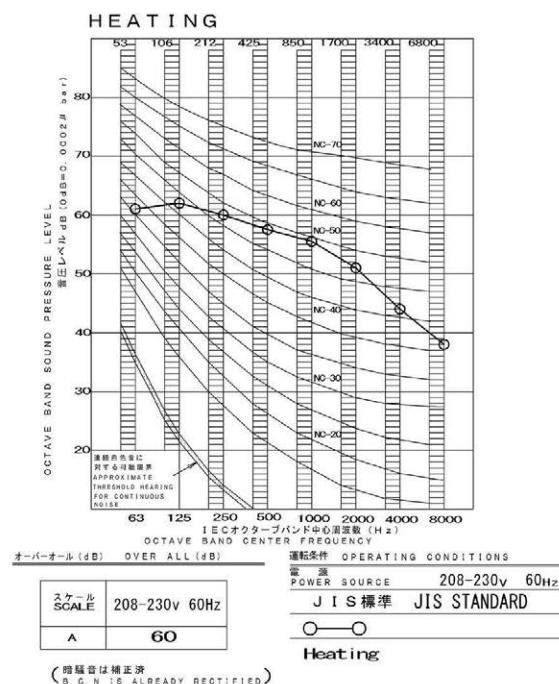
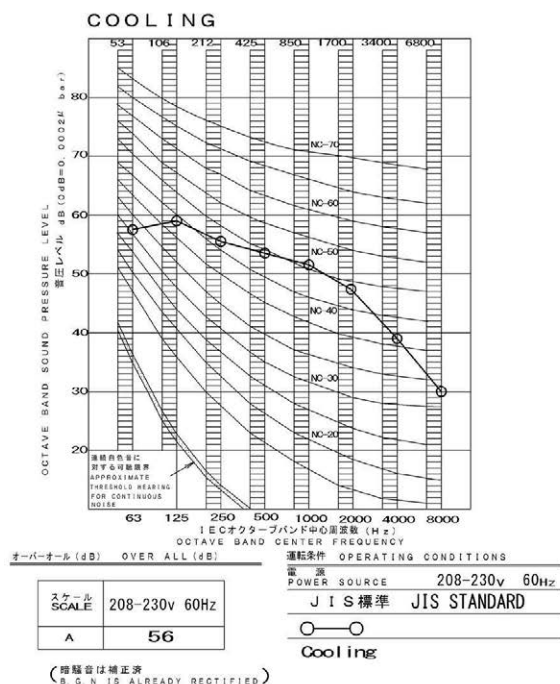
3MXT24AVJU9, 4MXT36AVJU9, 5MXT40AVJU9, 3MXTH24AVJU9, 4MXTH36AVJU9, 5MXTH40AVJU9

Notes:
 The graphs are based
 on the following conditions.

- Equivalent piping length 25ft per room
- Level difference 0ft
- Air flow rate High
- All connection ports are connected to the indoor units.

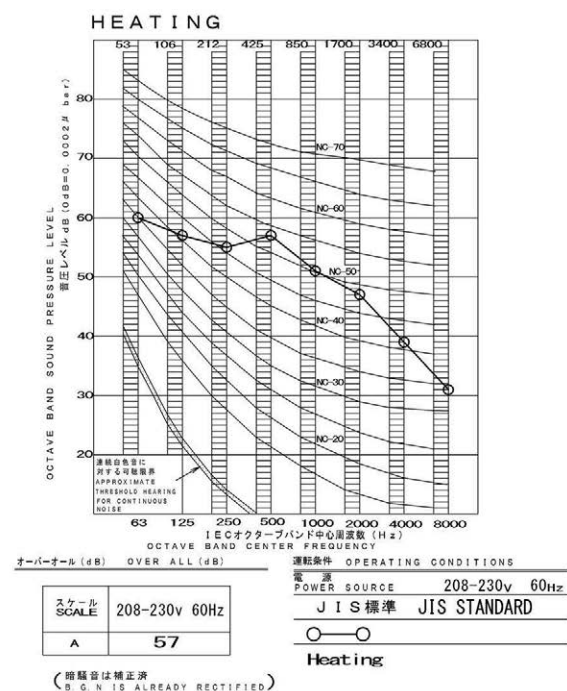
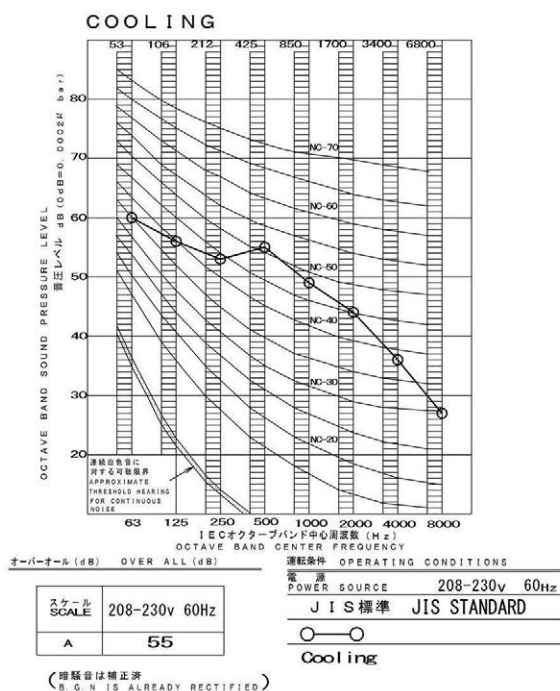
3D158371

4MXM36AVJU9



3D151395

5MXM48AVJU9, 3MXT24AVJU9, 4MXT36AVJU9, 5MXT40AVJU9, 3MXTH24AVJU9, 4MXTH36AVJU9, 5MXTH40AVJU9



3D158362

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
	5MXM48AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	38.1	40.0	31.6
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
	3MXT24AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	33.6	35.0	27.4
	4MXT36AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	37.5	40.0	31.0
	5MXT40AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	37.9	40.0	31.4
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
	3MXTH24AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	34.4	35.0	27.4
	4MXTH36AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	38.3	40.0	31.0
	5MXTH40AVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	38.6	40.0	31.4

C: 3D151489

C: 3D157875

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.)