MITSUBISHI ELECTRIC

SPLIT-TYPE AIR CONDITIONERS

Revision A:
- MXZ-3D24/4D30/5D36/5D42NL-U1 and MXZ-2D20/3D24/3D30NLHZ-U1 have been added.

OBD949 is void.

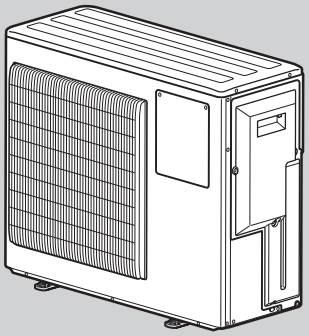
OUTDOOR UNIT
TECHNICAL & SERVICE MANUAL

HFC utilized R454B

No. OBD949
REVISED EDITION-A

Models

MXZ-2D20NL-U1
MXZ-3D24NL-U1
MXZ-4D30NL-U1
MXZ-5D36NL-U1
MXZ-5D42NL-U1
MXZ-2D20NLHZ-U1
MXZ-3D24NLHZ-U1
MXZ-3D30NLHZ-U1



MXZ-2D20NL

CONTENTS

Use the specified refrigerant only

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of.
Correct refrigerant is specified in the manuals and on the spec labels provided with our products.
We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

<Preparation before the repair service>

- Prepare the proper tools.
- Prepare the proper protectors.
- Provide adequate ventilation.
- After stopping the operation of the air conditioner, turn off the power-supply breaker and pull the power plug.
- Discharge the capacitor before the work involving the electric parts.

<Precautions during the repair service>

- Do not perform the work involving the electric parts with wet hands.
- Do not pour water into the electric parts.
- Do not touch the refrigerant.
- Do not touch the hot or cold areas in the refrigeration cycle.
- When the repair or the inspection of the circuit needs to be done without turning off the power, exercise great caution not to touch the live parts.
- Be careful not to expose the fusible plug to the braze torch flame or transfer heat to it.
  The temperature of the fusible plug must not become 140°F (60°C) or higher while working.
  Protect the fusible plug with a wet cloth when necessary.
  (The fusible plug breaks at 158°F [70°C]).

⚠ WARNING

- **When the refrigerant circuit has a leak, do not execute pump down with the compressor.**
- **When pumping down the refrigerant, stop the compressor before disconnecting the refrigerant pipes. If the refrigerant pipes are disconnected while the compressor is running and the stop valve is open, air could be drawn in and the pressure in the refrigeration cycle could become abnormally high. The compressor may burst and cause injury if any foreign substance, such as air, enters the pipes.**
- **When opening or closing the valve below freezing temperatures, refrigerant may spurt out from the gap between the valve stem and the valve body, resulting in injuries.**

Revision A:
• MXZ-3D24/4D30/5D36/5D42NL-U1 and MXZ-2D20/3D24/3D30NLHZ-U1 have been added.

INDOOR / OUTDOOR UNIT COMPATIBILITY TABLE

<MXZ-2D20NL>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●			
	MSZ-EX**NL		●	●	●			
	MSZ-GX**NL	●	●	●	●			
Floor standing	MFZ-KX**NL		●	●	●			
1way cassette	MLZ-KX**NL	●	●	●				
4way cassette	SLZ-AF**NL		●	●				
Horizontal ducted	SEZ-AD**NL		●	●	●			
	PEAD-AA**NL		●	●				
Multi position	SVZ-AP**NL			●				
	PAA-AA**NL							
	PAA-BA**NL							

<MXZ-2D20NLHZ>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●			
	MSZ-EX**NL		●	●	●			
	MSZ-GX**NL	●	●	●	●			
Floor standing	MFZ-KX**NL		●	●	●			
1way cassette	MLZ-KX**NL	●	●	●				
4way cassette	SLZ-AF**NL		●	●				
Horizontal ducted	SEZ-AD**NL		●	●	●			
	PEAD-AA**NL		●	●				
Multi position	SVZ-AP**NL			●				
	PAA-AA**NL							
	PAA-BA**NL							

<MXZ-3D24NL>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●	●		
	MSZ-EX**NL		●	●	●	●		
	MSZ-GX**NL	●	●	●	●	●		
Floor standing	MFZ-KX**NL		●	●	●	●		
1way cassette	MLZ-KX**NL	●	●	●		●		
4way cassette	SLZ-AF**NL		●	●	●	●		
Horizontal ducted	SEZ-AD**NL		●	●	●	●		
	PEAD-AA**NL		●	●	●	●		
Multi position	SVZ-AP**NL			●		●		
	PAA-AA**NL					●		
	PAA-BA**NL					●		

<MXZ-3D24NLHZ>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●	●		
	MSZ-EX**NL		●	●	●	●		
	MSZ-GX**NL	●	●	●	●	●		
Floor standing	MFZ-KX**NL		●	●	●	●		
1way cassette	MLZ-KX**NL	●	●	●		●		
4way cassette	SLZ-AF**NL		●	●	●	●		
Horizontal ducted	SEZ-AD**NL		●	●	●	●		
	PEAD-AA**NL		●	●	●	●		
Multi position	SVZ-AP**NL			●		●		
	PAA-AA**NL					●		
	PAA-BA**NL					●		

<MXZ-4D30NL>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●	●		
	MSZ-EX**NL		●	●	●	●		
	MSZ-GX**NL	●	●	●	●	●	●	
Floor standing	MFZ-KX**NL		●	●	●	●		
1way cassette	MLZ-KX**NL	●	●	●		●		
4way cassette	SLZ-AF**NL		●	●	●	●		
Horizontal ducted	SEZ-AD**NL		●	●	●	●		
	PEAD-AA**NL		●	●	●	●	●	
Multi position	SVZ-AP**NL			●		●	●	
	PAA-AA**NL					●	●	
	PAA-BA**NL					●	●	

<MXZ-3D30NLHZ>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●	●		
	MSZ-EX**NL		●	●	●	●		
	MSZ-GX**NL	●	●	●	●	●	●	
Floor standing	MFZ-KX**NL		●	●	●	●		
1way cassette	MLZ-KX**NL	●	●	●		●		
4way cassette	SLZ-AF**NL		●	●	●	●		
Horizontal ducted	SEZ-AD**NL		●	●	●	●		
	PEAD-AA**NL		●	●	●	●	●	
Multi position	SVZ-AP**NL			●		●	●	
	PAA-AA**NL					●	●	
	PAA-BA**NL					●	●	

<MXZ-5D36/42NL>

Connectable indoor unit lineups (Heat pump inverter type)								
Model type	Model name	Capacity class [Btu/h]						
		06	09	12	15	18	24	
Wall-mounted	MSZ-FX**NL	●	●	●	●	●		
	MSZ-EX**NL		●	●	●	●		
	MSZ-GX**NL	●	●	●	●	●	●	
Floor standing	MFZ-KX**NL		●	●	●	●		
1way cassette	MLZ-KX**NL	●	●	●		●		
4way cassette	SLZ-AF**NL		●	●	●	●		
Horizontal ducted	SEZ-AD**NL		●	●	●	●		
	PEAD-AA**NL		●	●	●	●	●	
Multi position	SVZ-AP**NL			●		●	●	
	PAA-AA**NL					●	●	
	PAA-BA**NL					●	●	

- Up to two SVZ/PAA can be connected, at that time the total number of connections is two.
  When one SVZ/PAA is connected, there's no limitation of the total number of connection.
- PEAD series can be connected up to 2 units.(Connection of three or more units is prohibited.)
- Do not use SVZ/PAA and PEAD together.
- SVZ can be blown down only when using an optional kit.
- MFZ series can be connected up to 2 units.(Connection of three or more units is prohibited.)

1 TECHNICAL CHANGES

MXZ-2D20NL- U1
1. New model

MXZ-3D24NL- U1
MXZ-4D30NL- U1
MXZ-5D36NL- U1
MXZ-5D42NL- U1
MXZ-2D20NLHZ- U1
MXZ-3D24NLHZ- U1
MXZ-3D30NLHZ- U1
1. New model

2 SAFETY PRECAUTION

MEANINGS OF SYMBOLS DISPLAYED ON INDOOR UNIT AND/OR OUTDOOR UNIT

 Refrigerant Safety Group A2L	**WARNING** (Risk of fire)	This unit uses a flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.
	Read the OPERATING INSTRUCTIONS carefully before operation.	
	Service personnel are required to carefully read the OPERATING INSTRUCTIONS and INSTALLATION MANUAL before operation.	
	Further information is available in the OPERATING INSTRUCTIONS, INSTALLATION MANUAL, and the like.	

2-1. ALWAYS OBSERVE FOR SAFETY

Before obtaining access to terminal, all supply circuit must be disconnected.

Preparation before the repair service

- Prepare the proper tools.
- Prepare the proper protectors.
- Provide adequate ventilation.
- After stopping the operation of the air conditioner, turn off the power-supply breaker.
- Discharge the condenser before the work involving the electric parts.

Precautions during the repair service

- Do not perform the work involving the electric parts with wet hands.
- Do not pour water into electric parts.
- Do not touch the refrigerant.
- Do not touch the hot or cold areas in the refrigerating cycle.
- When the repair or the inspection of the circuit needs to be done without turning off the power, exercise great caution not to touch the live parts.
- When opening or closing the valve below freezing temperatures, refrigerant may spurt out from the gap between the valve stem and the valve body, resulting in injuries.

2-2. CAUTIONS RELATED TO R454B REFRIGERANT

Cautions for units utilizing refrigerant R454B

Make sure that the inside and outside of refrigerant piping is clean and it has no contaminants such as sulfur, oxides, dirt, shaving particles, etc., which are hazard to refrigerant cycle.
In addition, use pipes with specified thickness.

Contamination inside refrigerant piping can cause deterioration of refrigerant oil, etc.

Store the piping indoors, and keep both ends of the piping sealed until just before brazing.
(Leave elbow joints, etc. in their packaging.)

If dirt, dust or moisture enters into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

The refrigerant oil applied to flare and flange connections must be ester oil, ether oil or alkylbenzene oil in a small amount.

If large amount of mineral oil enters, that can cause deterioration of refrigerant oil, etc.

Charge refrigerant from liquid phase of gas cylinder.

If the refrigerant is charged from gas phase, composition change may occur in refrigerant and the efficiency will be lowered.

Do not use refrigerant other than R454B.

If other refrigerant (R22, etc.) is used, chlorine in refrigerant can cause deterioration of refrigerant oil, etc.

Use a vacuum pump with a reverse flow check valve.

Vacuum pump oil may flow back into refrigerant cycle and that can cause deterioration of refrigerant oil, etc.

Use the following tools specifically designed for use with R454B refrigerant.

The following tools are necessary to use R454B refrigerant.

Tools for R454B	
Gauge manifold	Flare tool
Charge hose	Size adjustment gauge
Gas leak detector	Vacuum pump adaptor
Torque wrench	Electronic refrigerant charging scale

Handle tools with care.

If dirt, dust or moisture enters into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

Use the specified refrigerant only.

Never use any refrigerant other than that specified.
Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of.
Correct refrigerant is specified in the manuals and on the spec labels provided with our products.
We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

Do not use a charging cylinder.

If a charging cylinder is used, the composition of refrigerant will change and the efficiency will be lowered.

Ventilate the room if refrigerant leaks during operation. If refrigerant comes into contact with a flame, poisonous gases will be released.

[1] Warning for service

(1) Do not alter the unit.
(2) For installation and relocation work, follow the instructions in the Installation Manual and use tools and pipe components specifically made for use with refrigerant specified in the outdoor unit installation manual.
(3) Ask a dealer or an authorized technician to install, relocate and repair the unit.
For appliances not accessible to the general public.
(4) Refrigerant pipe connections shall be accessible for maintenance purposes.
(5) If the air conditioner is installed in a small room or closed room, measures must be taken to prevent the refrigerant concentration in the room from exceeding the safety limit in the event of refrigerant leakage. Should the refrigerant leak and cause the concentration limit to be exceeded, hazards due to lack of oxygen in the room may result.
(6) Keep gas-burning appliances, electric heaters, and other fire sources (ignition sources) away from the location where installation, repair, and other air conditioner work will be performed.
If refrigerant comes into contact with a flame, poisonous gases will be released.
(7) When installing, relocating, or servicing the air conditioner, use only the specified refrigerant (R454B) to charge the refrigerant lines.
Do not mix it with any other refrigerant and do not allow air to remain in the lines.
If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant line, and may result in an explosion and other hazards.
(8) After installation has been completed, check for refrigerant leaks. If refrigerant leaks into the room and comes into contact with the flame of a heater or portable cooking range, poisonous gases will be released.
(9) Do not use low temperature solder alloy in case of brazing the refrigerant pipes.
(10) When performing brazing work, be sure to ventilate the room sufficiently. Make sure that there are no hazardous or flammable materials nearby.
When performing the work in a closed room, small room, or similar location, make sure that there are no refrigerant leaks before performing the work.
If refrigerant leaks and accumulates, it may ignite or poisonous gases may be released.
(11) Do not install the unit in places where refrigerant may build-up or places with poor ventilation such as a semi-basement or a sunken place in outdoor: Refrigerant is heavier than air, and inclined to fall away from the leak source.
(12) Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
(13) The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
(14) Do not pierce or burn.
(15) Be aware that refrigerants may not contain an odor.
(16) Pipe-work shall be protected from physical damage.
(17) The installation of pipe-work shall be kept to a minimum.
(18) Compliance with national gas regulations shall be observed.
(19) Keep any required ventilation openings clear of obstruction.
(20) Servicing shall be performed only as recommended by the manufacturer.
(21) The appliance shall be stored in a well-ventilated area where the room size corresponds to the necessary room size to meet safety requirements.
(22) Maintenance, service and repair operations shall be performed by authorized technician with required qualification.
(23) Be sure to have appropriate ventilation in order to prevent ignition. Furthermore, be sure to carry out fire prevention measures that there are no dangerous or flammable objects in the surrounding area.
(24) Pipe-work including piping material, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA 852.
(25) All field joints shall be accessible for inspection prior to being covered or enclosed.
(26) Do not use low temperature solder alloy in the case of brazing the refrigerant pipes.
(27) Servicing shall be performed only as recomended by the manufacturer.
(28) The appliance shall be stored in a well-ventiventilated area where the room size corresponds to the room area as specified for operation.

[2] Cautions for service

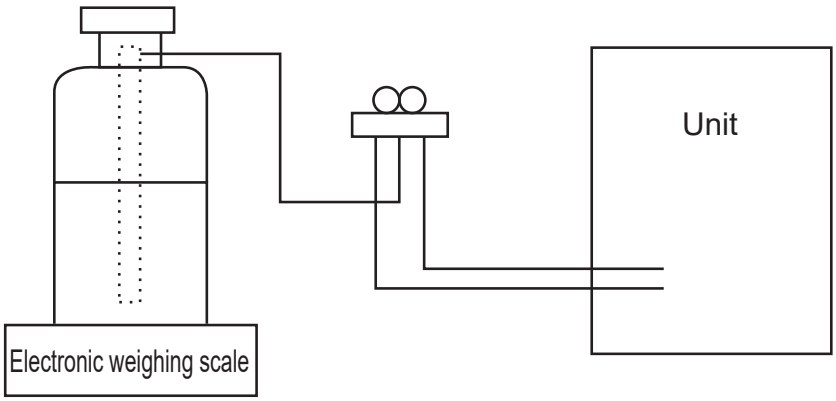
(1) Perform service after recovering the refrigerant left in unit completely.
(2) Do not release refrigerant in the air.
(3) If moisture or foreign matter might have entered the refrigerant piping during service, ensure to remove them.
(4) After completing service, charge the system with specified amount of refrigerant.

[3] Additional refrigerant charge

When charging directly from cylinder

(1) Check that cylinder for R454B on the market is a siphon type.

(2) Charging should be performed with the cylinder of siphon stood vertically. (Refrigerant is charged from liquid phase.)



[4] Cautions for unit using R454B refrigerant

Basic work procedures are the same as those for conventional units using refrigerant R410A. However, pay careful attention to the following points.

(1) Information on servicing

(1-1) Checks on the Area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized.

For repair to the refrigerating systems, (1-3) to (1-7) shall be completed prior to conducting work on the systems.

(1-2) Work Procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapor being present while the work is being performed.

(1-3) General Work Area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

(1-4) Checking for Presence of Refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

(1-5) Presence of Fire Extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available at hand.

Have a dry powder or CO_2 fire extinguisher adjacent to the charging area.

(1-6) No Ignition Sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

(1-7) Ventilated Area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

(1-8) Checks on the Refrigeration Equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer’s maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer’s technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The charge size is in accordance with the room size within which the refrigerant containing parts are installed.
- The ventilation machinery and outlets are operating adequately and are not obstructed.
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected.
- Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being corroded.

(1-9) Checks on Electrical Devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.
Initial safety checks shall include that:

- capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- no live electrical components and wiring are exposed while charging, recovering or purging the system;
- there is continuity of earth bonding

(2) Repairs to Sealed Components

Sealed electrical components shall be replaced.

(3) Repair to intrinsically Safe Components

Intrinsically safe components must be replaced.

(4) Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

(5) Detection of Flammable Refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

(6) Leak Detection Methods

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of flammable refrigerants, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25% maximum) is confirmed.
Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
If a leak is suspected, all naked flames shall be removed/extinguished.
If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. For appliances containing flammable refrigerants, oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

(7) Removal and Evacuation

When breaking into the refrigerant circuit to make repairs - or for any other purpose - conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration. The following procedure shall be adhered to:

- safely remove refrigerant following local and national regulations;
- evacuate;
- purge the circuit with inert gas;
- evacuate;
- purge the circuit again with inert gas; and
- open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.
Compressed air or oxygen shall not be used for purging refrigerant systems. For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum.
This process shall be repeated until no refrigerant is within the system. When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

(8) Charging Procedures

In addition to conventional charging procedures, the following requirements shall be followed:

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimize the amount of refrigerant contained in them.
- Cylinders shall be kept upright.
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigeration system.

Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

(9) Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

(9-1) Become familiar with the equipment and its operation.

(9-2) Isolate system electrically.

(9-3) Before attempting the procedure, ensure that:

- mechanical handling equipment is available, if required, for handling refrigerant cylinders;
- all personal protective equipment is available and being used correctly;
- the recovery process is supervised at all times by a competent person;
- recovery equipment and cylinders conform to the appropriate standards.

(9-4) Pump down refrigerant system, if possible.

(9-5) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

(9-6) Make sure that cylinder is situated on the scales before recovery takes place.

(9-7) Start the recovery machine and operate in accordance with manufacturer's instructions.

(9-8) Do not overfill cylinders. (No more than 80 % volume liquid charge).

(9-9) Do not exceed the maximum working pressure of the cylinder, even temporarily.

(9-10) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

(9-11) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

(10) Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. For appliances containing flammable refrigerants, ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

(11) Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge are available. All cylinders to be used are designated for the recovery refrigerant and labeled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process. When oil is drained from a system, it shall be carried out safely.

[5] Service tools

(1) Use the below service tools as exclusive tools for R454B refrigerant.

No.	Tool name	Specifications
1	Gauge manifold	·Only for R454B ·Use the existing fitting specifications. (UNF1/2) ·Use high-tension side pressure of 768.7 PSIG [5.3 MPaG] or over.
2	Charge hose	·Only for R454B ·Use pressure performance of 738.2 PSIG [5.09MPaG] or over.
3	Electronic weighing scale	—
4	Gas leak detector	·Use the detector for R134a, R407C, R410A or R454B.
5	Adaptor for reverse flow check	·Attach on vacuum pump.
6	Refrigerant charge base	—
7	Refrigerant cylinder	·Only for R454B ·Cylinder with siphon
8	Refrigerant recovery equipment	—

2-3. CAUTIONS FOR REFRIGERANT PIPING WORK

Refrigerant R454B is adopted for replacement inverter series. Although the refrigerant piping work for R454B is the same as for R22, exclusive tools are necessary so as not to mix with different kind of refrigerant. Furthermore as the working pressure of R454B is 1.5 times higher than that of R22, their sizes of flared sections and flare nuts are different.

① Thickness of pipes

Since the working pressure of R454B is higher compared to R22, be sure to use refrigerant piping with thickness shown below. (Never use pipes of 7/256 in [0.7 mm] or below.)

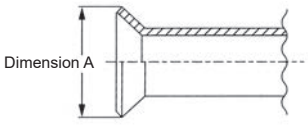
Diagram below: Piping diameter and thickness

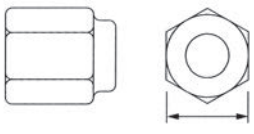
Nominal dimensions (inch)	Outside diameter (mm)	Thickness: in [mm]	
		R454B/R410A	R22
1/4	6.35	1/32 [0.8]	1/32 [0.8]
3/8	9.52	1/32 [0.8]	1/32 [0.8]
1/2	12.70	1/32 [0.8]	1/32 [0.8]
5/8	15.88	5/128 [1.0]	5/128 [1.0]
3/4	19.05	—	5/128 [1.0]

② **Dimensions of flare cutting and flare nut**

The component molecules in HFC refrigerant are smaller compared to conventional refrigerants. In addition to that, R454B is a refrigerant, which has higher risk of leakage because its working pressure is higher than that of other refrigerants. Therefore, to enhance airtightness and strength, flare cutting dimension of copper pipe for R454B has been specified separately from the dimensions for other refrigerants as shown below. The dimension B of flare nut for R454B also has partly been changed to increase strength as shown below. Set copper pipe correctly referring to copper pipe flaring dimensions for R454B below. For 1/2 and 5/8 inch pipes, the dimension B changes.

Use torque wrench corresponding to each dimension.





Flare cutting dimensions Unit: in [mm]

Nominal dimensions (in)	Outside diameter (mm)	Dimension A $(^{+0}_{-0.4})$	
		R454B/R410A	R22
1/4	6.35	11/32-23/64 [9.1]	9.0
3/8	9.52	1/2-33/64 [13.2]	13.0
1/2	12.70	41/64-21/32 [16.6]	16.2
5/8	15.88	49/64-25/32 [19.7]	19.4
3/4	19.05	—	23.3

Flare nut dimensions Unit: in [mm]

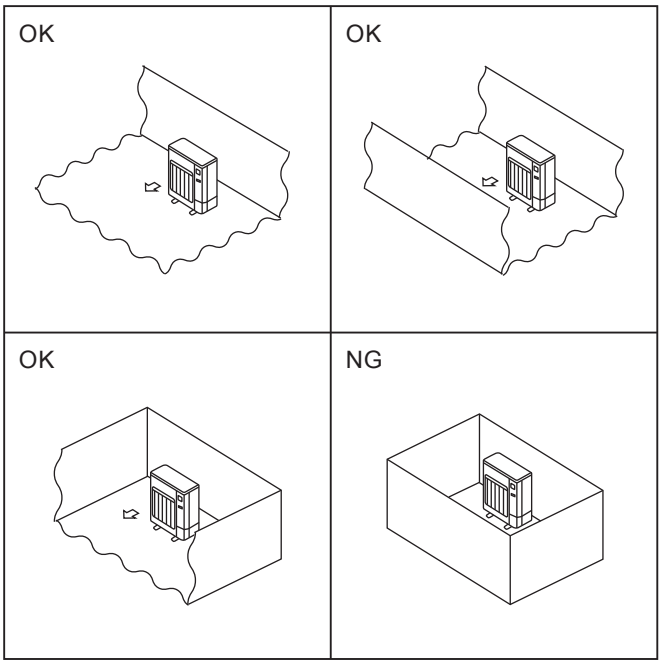
Nominal dimensions (in)	Outside diameter (mm)	Dimension B	
		R454B/R410A	R22
1/4	6.35	43/64 [17.0]	17.0
3/8	9.52	7/8 [22.0]	22.0
1/2	12.70	1-3/64 [26.0]	24.0
5/8	15.88	1-9/64 [29.0]	27.0
3/4	19.05	—	36.0

③ **Tools for R454B (The following table shows whether conventional tools can be used or not.)**

Tools and materials	Use	R454B tools	Can R22 tools be used?	Can R407C tools be used?	Can R410A tools be used?
Gauge manifold	Air purge, refrigerant charge and operation check	Tool exclusive for R454B	×	×	○
Charge hose		Tool exclusive for R454B	×	×	○
Gas leak detector	Gas leak check	Tool for HFC refrigerant	×	○	○
Refrigerant recovery equipment	Refrigerant recovery	Tool exclusive for R454B	×	×	○
Refrigerant cylinder	Refrigerant charge	Tool exclusive for R454B	×	×	×
Applied oil	Apply to flared section	Ester oil, ether oil and alkylbenzene oil (minimum amount)	×	Ester oil, ether oil: ○ Alkylbenzene oil: minimum amount	Ester oil: ○ Alkylbenzene oil: minimum amount
Safety charger	Prevent compressor malfunction when charging refrigerant by spraying liquid refrigerant	Tool exclusive for R454B	×	×	×
Charge valve	Prevent gas from blowing out when detaching charge hose	Tool exclusive for R454B	×	×	×
Vacuum pump	Vacuum drying and air purge	Tools for other refrigerants can be used if equipped with adopter for reverse flow check	△ (Usable if equipped with adopter for reverse flow)	△ (Usable if equipped with adopter for reverse flow)	△ (Usable if equipped with adopter for reverse flow)
Flare tool	Flaring work of piping	Tools for other refrigerants can be used by adjusting flaring dimension	△ (Usable by adjusting flaring dimension)	△ (Usable by adjusting flaring dimension)	△ (Usable by adjusting flaring dimension)
Bender	Bend the pipes	Tools for other refrigerants can be used	○	○	○
Pipe cutter	Cut the pipes	Tools for other refrigerants can be used	○	○	○
Welder and nitrogen gas cylinder	Weld the pipes	Tools for other refrigerants can be used	○	○	○
Refrigerant charging scale	Refrigerant charge	Tools for other refrigerants can be used	○	○	○
Vacuum gauge or thermistor vacuum gauge and vacuum valve	Check the degree of vacuum. (Vacuum valve prevents back flow of oil and refrigerant to thermistor vacuum gauge)	Tools for other refrigerants can be used	○	○	○
Charging cylinder	Refrigerant charge	Tool exclusive for R454B	×	–	×

×: Prepare a new tool. (Use the new tool as the tool exclusive for R454B.)
△: Tools for other refrigerants can be used under certain conditions.
○: Tools for other refrigerants can be used.

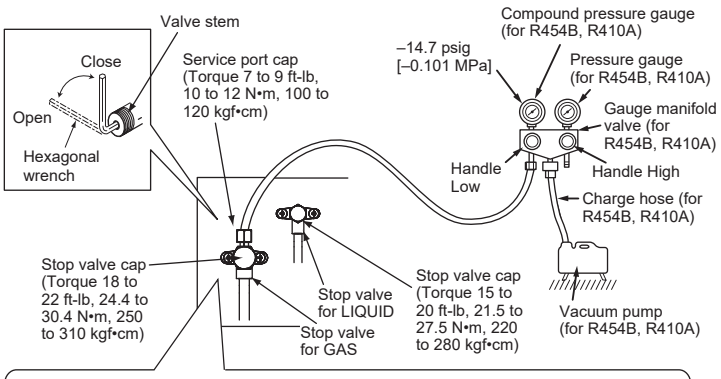
2-4. CHOOSING THE OUTDOOR UNIT INSTALLATION LOCATION



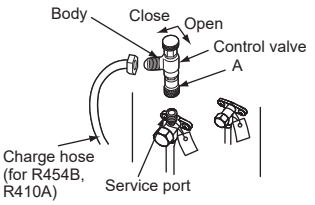
R454B is heavier than air—as well as other refrigerants—so tends to accumulate at the base (in the vicinity of the floor). If R454B accumulates around base, it may reach a flammable concentration in case room is small. To avoid ignition, maintaining a safe work environment is required by ensuring appropriate ventilation. If a refrigerant leak is confirmed in a room or an area where there is insufficient ventilation, refrain from using open flames until the work environment can be improved by ensuring appropriate ventilation.
Install outdoor unit in a place where at least one of the four sides is open, and in a sufficiently large space without depressions.

2.5 PURGING PROCEDURES AND LEAK TEST

(1) Remove service port cap of stop valve on the side of the outdoor unit gas pipe. (The stop valves are fully closed and covered in caps in their initial state.)
(2) Connect gauge manifold valve and vacuum pump to service port of stop valve on the gas pipe side of the outdoor unit.
(3) Evacuate the system to 4000 microns from both service valves. System manifold gauges must not be used to measure vacuum. A micron gauge must be used at all times. Break the vacuum with Nitrogen(N2) into the discharge service valve to 0 psig [0 MPa].
(4) Evacuate the system to 1500 microns. Break the vacuum with Nitrogen(N2) into the discharge service valve to 0 psig [0 MPa].
(5) Evacuate the system to 500 microns.
(6) Close gauge manifold valves, stop the pump, and conduct a 30 minute rise test.
(7) System should hold 500 microns for a minimum of 1 hour.
(8) Fully open the valve stem of all stop valves on both sides of gas pipe and liquid pipe by the hexagonal wrench. If the valve stem hits the stopper, do not turn it any further. Operating without fully opening lowers the performance and this causes trouble.
(9) Remove gauge manifolds and replace service port caps and tighten.
(10) Leak test



Precautions when using the control valve



When attaching the control valve to the service port, valve core may deform or loosen if excessive pressure is applied. This may cause gas leak.

When attaching the control valve to the service port, make sure that the valve core is in closed position, and then tighten part A. Do not tighten part A or turn the body when valve core is in open position.
If the red labels have been removed during the operation, please put them back in the original position after the operation.

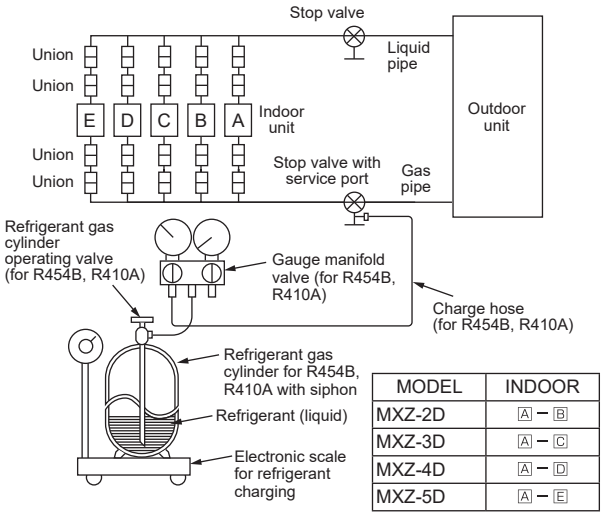
Refrigerant pipe airtight testing method

(1) Connect the testing tools.
- Make sure the stop valves are closed and do not open them.
- Add pressure to the refrigerant lines through the service port of the stop valve for GAS.

(2) Do not add pressure to the specified pressure all at once; add pressure little by little.
1. Pressurize to 73 psig [0.5 MPa], wait 5 minutes, and make sure the pressure dose not decrease.
2. Pressurize to 218 psig [1.5 MPa], wait 5 minutes, and make sure the pressure dose not decrease.
3. Pressurize to 602 psig [4.15 MPa] and measure the surrounding temperature and refrigerant pressure.

(3) If the specified pressure holds for 24 hours and does not decrease, the pipes have passed the test and there are no leaks.
- If the surrounding temperature changes by 1.8°F [1°C], the pressure will change by about 1.5 psig [0.01 MPa]. Make the necessary corrections.

(4) If the pressure decreases in steps (2) or (3), there is a gas leak. Look for the source of the gas leak.



MODEL	INDOOR
MXZ-2D	A – B
MXZ-3D	A – C
MXZ-4D	A – D
MXZ-5D	A – E

NOTE:
- Field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigerant or better under a pressure of at least 0.25 times the MAXIMUM ALLOWABLE PRESSURE. No leak shall be detected.

NOTE:

Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of flammable refrigerants, the sensitivity may not be adequate, or may need recalibration. (Detection equipment shall be calibrated in a refrigerant-free area.)

Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.
- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept in an appropriate position according to the instructions.
- Ensure that the refrigerating system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigerating system.

Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

2-6. MINIMUM INSTALLATION AREA FOR INDOOR UNITS

Install in a room with a floor area of A_{min} or more, corresponding to refrigerant quantity M (factory-charged refrigerant + locally added refrigerant).

* For the factory-charged refrigerant amount, refer to the spec nameplate or installation manual.

For the amount to be added locally, refer to the installation manual.

Install the indoor unit so that the height from the floor to the bottom of the indoor unit is h0;

for wall mounted: 6 [ft.] (1.8 [m]) or more;

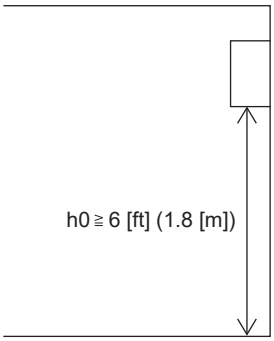
for ceiling suspended, cassette and ceiling concealed: 8.2 [ft.] (2.5 [m]) or more.

When installing floor standing or ducted indoor unit, refer to indoor unit Installation manual.

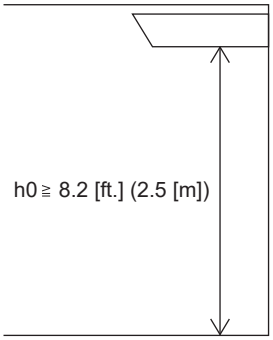
There are restrictions in installation height for each model, so read the installation manual for the particular unit.

For wall mounted, ceiling suspended, cassette and concealed

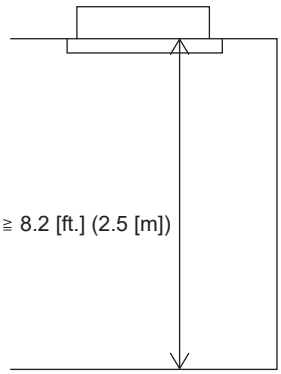
M			A_{min}	
[kg]	[lbs, oz]		[m^2]	[ft^2]
0.5	1	1	1.9	21
0.6	1	5	2.3	25
0.7	1	8	2.6	28
0.8	1	12	3.0	33
0.9	1	15	3.4	37
1.0	2	3	3.8	41
1.1	2	6	4.1	45
1.2	2	10	4.5	49
1.3	2	13	4.9	53
1.4	3	1	5.2	56
1.5	3	4	5.6	61
1.6	3	8	6.0	65
1.7	3	11	6.3	68
1.8	3	15	6.8	74
1.9	4	3	7.2	78
2.0	4	6	7.6	82
2.1	4	10	7.9	86
2.2	4	13	8.3	90
2.3	5	1	8.7	94
2.4	5	4	9.1	98
2.5	5	8	9.4	102
2.6	5	11	9.8	106
2.7	5	15	10.2	110
2.8	6	2	10.6	115



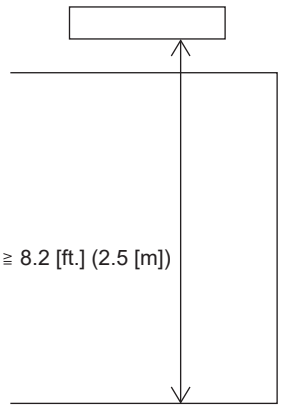
Wall mounted



Ceiling suspended



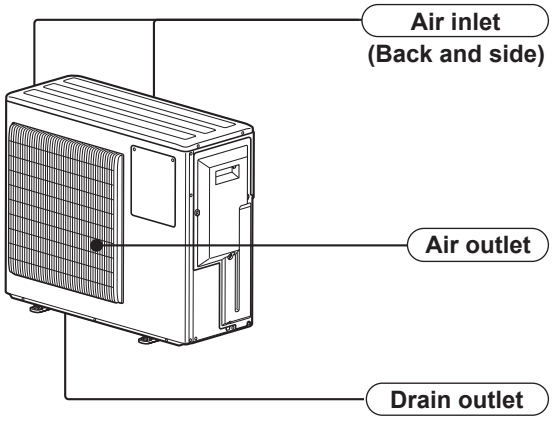
Cassette



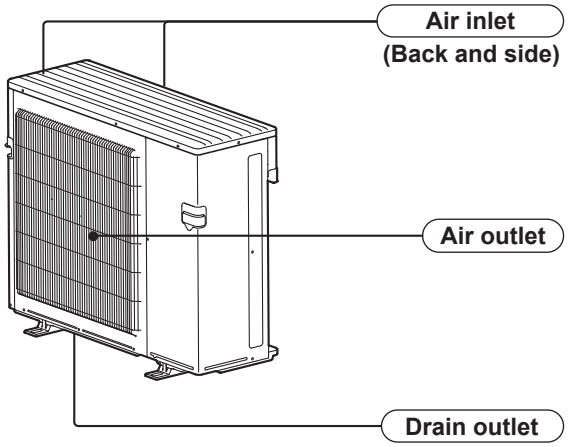
Ceiling concealed

3 PART NAMES AND FUNCTIONS

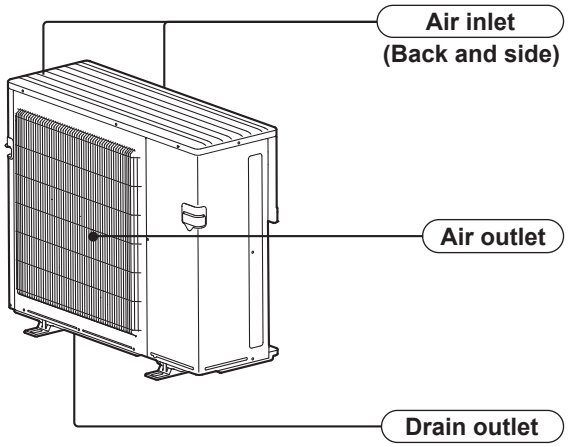
MXZ-2D20NL



MXZ-3D24NL
MXZ-4D30NL
MXZ-2D20NLHZ



MXZ-5D36NL
MXZ-5D42NL
MXZ-3D24NLHZ
MXZ-3D30NLHZ



4 SPECIFICATION

Item			Outdoor model	MXZ-2D20NL	
			Indoor type	Non-Duct (09+09)	Duct (09+12)
Capacity	Cooling		Btu/h	18,000	20,000
	Heating 47		Btu/h	22,000	22,000
	Heating 17		Btu/h	16,500	13,500
Power consumption	Cooling		W	1,384	2,000
	Heating 47		W	1,641	1,771
	Heating 17		W	1,691	1,500
EER2	Cooling			13.00	10.00
SEER2	Cooling			20.00	16.00
HSPF2 IV(V)	Heating			10.00 (8.40)	9.10 (7.50)
COP	Heating			3.92	3.64
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	38	
Min. circuit ampacity			A	21.7	
Fan motor input			A	0.22	
Compressor	Model			SRB140FQHM1T	
	Winding resistance (at 68 °F)		Ω	U-V 1.56 V-W 1.56 W-U 1.56	
Inverter input			A	14.4	
Refrigerant control				LEV	
Sound level			dB(A)	51/55	
Defrost method				Reverse cycle	
Dimensions	W		in.	33-1/16	
	D		in.	13	
	H		in.	27-15/16	
Weight			lb.	119	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	4 lb. 7 oz.	
Refrigeration oil (Model)			fl oz. (L)	20.3 (0.6) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-3D24NL	
			Indoor type	Non-Duct (06+09+09)	Duct (12+12)
Capacity	Cooling		Btu/h	22,000	23,600
	Heating 47		Btu/h	25,000	25,400
	Heating 17		Btu/h	15,500	16,000
Power consumption	Cooling		W	1,605	2,017
	Heating 47		W	1,704	1,909
	Heating 17		W	1,465	1,711
EER2	Cooling			13.70	11.70
SEER2	Cooling			20.00	16.00
HSPF2 IV(V)	Heating			10.00 (7.60)	8.60 (7.40)
COP	Heating			4.30	3.90
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	48	
Min. circuit ampacity			A	28.7	
Fan motor input			A	0.40	
Compressor	Model			SRB220FQYMC-L	
	Winding resistance (at 68 °F)		Ω	U-V 0.72 V-W 0.72 W-U 0.72	
Inverter input			A	18.4	
Refrigerant control				LEV	
Sound level			dB(A)	51/55	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-11/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	137	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A:1/2, B, C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	5lbs., 5oz	
Refrigeration oil (Model)			fl oz. (L)	20.3 (0.6) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-4D30NL	
			Indoor type	Non-Duct (06+06+09+09)	Duct (18+18)
Capacity	Cooling		Btu/h	28,600	27,400
	Heating 47		Btu/h	28,600	27,600
	Heating 17		Btu/h	18,200	17,800
Power consumption	Cooling		W	2,200	2,854
	Heating 47		W	2,149	2,200
	Heating 17		W	1,667	1,837
EER2	Cooling			13.00	9.60
SEER2	Cooling			21.00	16.10
HSPF2 IV(V)	Heating			10.00 (7.90)	8.80 (7.40)
COP	Heating			3.90	3.68
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	48	
Min. circuit ampacity			A	28.7	
Fan motor input			A	0.40	
Compressor	Model			SRB220FQYMC-L	
	Winding resistance (at 68 °F)		Ω	U-V 0.72 V-W 0.72 W-U 0.72	
Inverter input			A	18.4	
Refrigerant control				LEV	
Sound level			dB(A)	53/56	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	137	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2, B, C, D: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	5lbs., 5oz	
Refrigeration oil (Model)			fl oz. (L)	20.3 (0.6) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-5D36NL	
			Indoor type	Non-Duct (06+06+06+09+09)	Duct (18+18)
Capacity	Cooling		Btu/h	35,400	33,400
	Heating 47		Btu/h	36,000	34,400
	Heating 17		Btu/h	23,000	22,400
Power consumption	Cooling		W	2,950	3,839
	Heating 47		W	3,015	3,093
	Heating 17		W	2,407	2,626
EER2	Cooling			12.00	8.70
SEER2	Cooling			19.20	16.20
HSPF2 IV(V)	Heating			9.30 (7.70)	8.30 (6.30)
COP	Heating			3.26	3.26
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	49	
Min. circuit ampacity			A	29	
Fan motor input			A	0.40	
Compressor	Model			SRB280FDRMC	
	Winding resistance (at 68 °F)		Ω	U-V 0.35 V-W 0.35 W-U 0.35	
Inverter input			A	18.6	
Refrigerant control				LEV	
Sound level			dB(A)	58/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	152	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2, B, C, D, E: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	6lbs., 3oz	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-5D42NL	
			Indoor type	Non-Duct (06+09+09+09+09)	Duct (24+24)
Capacity	Cooling		Btu/h	40,500	36,400
	Heating 47		Btu/h	45,000	41,000
	Heating 17		Btu/h	29,000	23,000
Power consumption	Cooling		W	4,355	4,044
	Heating 47		W	4,397	4,517
	Heating 17		W	3,295	3,548
EER2	Cooling			9.30	9.00
SEER2	Cooling			19.30	15.60
HSPF2 IV(V)	Heating			9.10 (7.40)	8.00 (6.40)
COP	Heating			3.00	2.66
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	67	
Min. circuit ampacity			A	39.2	
Fan motor input			A	0.40	
Compressor	Model			SRB280FDRMC	
	Winding resistance (at 68 °F)		Ω	U-V 0.35 V-W 0.35 W-U 0.35	
Inverter input			A	26.8	
Refrigerant control				LEV	
Sound level			dB(A)	58/59	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	152	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2, B, C, D, E: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	6lbs., 3oz	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-2D20NLHZ	
			Indoor type	Non-Duct (09+09)	Duct (09+12)
Capacity	Cooling		Btu/h	18,000	20,000
	Heating 47		Btu/h	22,000	22,000
	Heating 17		Btu/h	14,300	12,500
Power consumption	Cooling		W	1,333	1,802
	Heating 47		W	1,612	1,688
	Heating 17		W	1,518	1,500
EER2	Cooling			13.50	11.10
SEER2	Cooling			19.30	14.30
HSPF2 IV(V)	Heating			10.00 (8.60)	7.90 (6.60)
COP	Heating			4.00	3.82
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	38	
Min. circuit ampacity			A	21.7	
Fan motor input			A	0.40	
Compressor	Model			SRB220FQYMC-L	
	Winding resistance (at 68 °F)		Ω	U-V 0.72 V-W 0.72 W-U 0.72	
Inverter input			A	14.4	
Refrigerant control				LEV	
Sound level			dB(A)	51/53	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	137	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	5lbs., 5oz	
Refrigeration oil (Model)			fl oz. (L)	20.3 (0.6) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-3D24NLHZ	
			Indoor type	Non-Duct (06+09+09)	Duct (12+12)
Capacity	Cooling		Btu/h	22,000	23,600
	Heating 47		Btu/h	25,000	24,600
	Heating 17		Btu/h	15,400	15,000
Power consumption	Cooling		W	1,693	2,360
	Heating 47		W	2,094	1,949
	Heating 17		W	1,590	1,954
EER2	Cooling			13.00	10.00
SEER2	Cooling			20.00	14.40
HSPF2 IV(V)	Heating			10.00 (8.00)	8.00 (6.20)
COP	Heating			3.50	3.70
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	49	
Min. circuit ampacity			A	29	
Fan motor input			A	0.40	
Compressor	Model			SRB280FDRMC	
	Winding resistance (at 68 °F)		Ω	U-V 0.35 V-W 0.35 W-U 0.35	
Inverter input			A	18.6	
Refrigerant control				LEV	
Sound level			dB(A)	56/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	152	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2, B, C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	6lbs., 3oz	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (RM68EH)	

NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

Item			Outdoor model	MXZ-3D30NLHZ	
			Indoor type	Non-Duct (09+09+12)	Duct (18+18)
Capacity	Cooling		Btu/h	28,400	27,400
	Heating 47		Btu/h	28,600	27,600
	Heating 17		Btu/h	18,300	19,000
Power consumption	Cooling		W	2,470	2,660
	Heating 47		W	2,395	2,285
	Heating 17		W	1,916	2,282
EER2	Cooling			11.50	10.3
SEER2	Cooling			20.00	16.0
HSPF2 IV(V)	Heating			10.00 (8.00)	8.00 (6.20)
COP	Heating			3.50	3.54
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	65	
Min. circuit ampacity			A	38	
Fan motor input			A	0.40	
Compressor	Model			SRB280FDRMC	
	Winding resistance (at 68 °F)		Ω	U-V 0.35 V-W 0.35 W-U 0.35	
Inverter input			A	25.8	
Refrigerant control				LEV	
Sound level			dB(A)	56/58	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	152	
Remote controller				Wireless type	Wired type
Control voltage (by built-in transformer)				12 - 24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2, B, C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R454B)			lb.	6lbs., 3oz	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (RM68EH)	

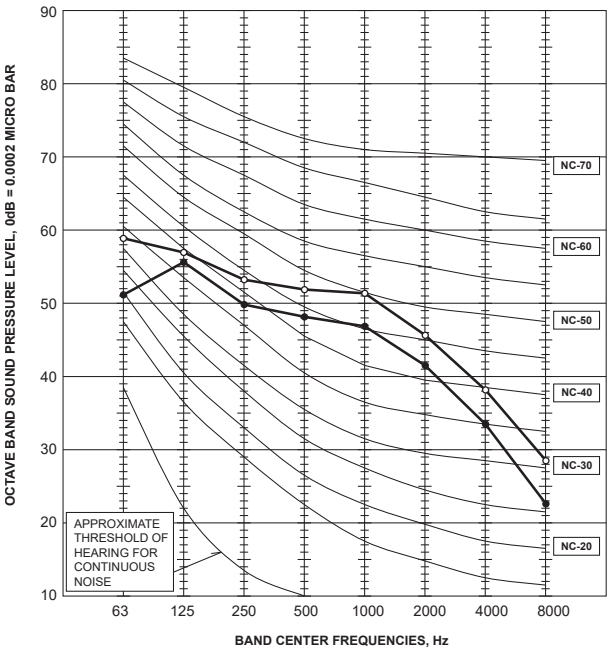
NOTE: Test conditions are based on AHRI 210/240.

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

5 NOISE CRITERIA CURVES

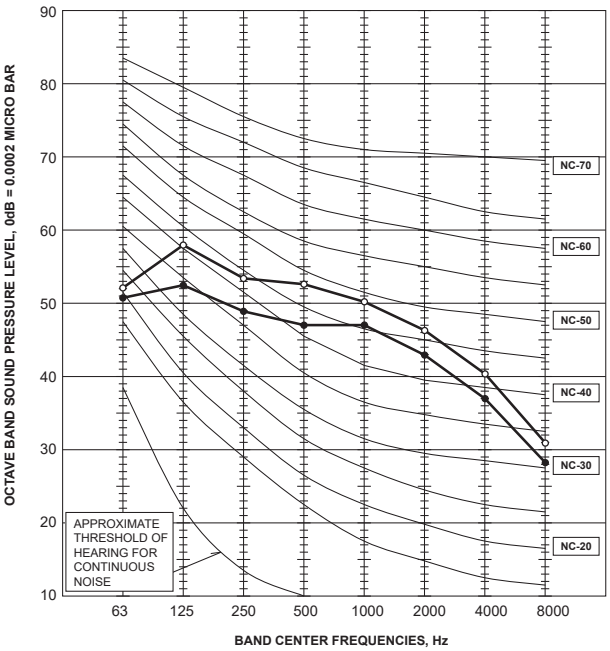
MXZ-2D20NL

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	51	●—●
High	Heating	55	○—○



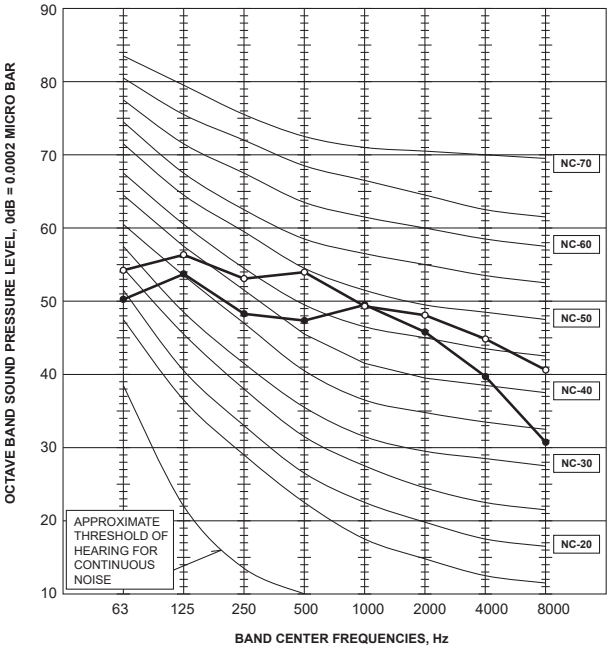
MXZ-3D24NL

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	51	●—●
High	Heating	55	○—○



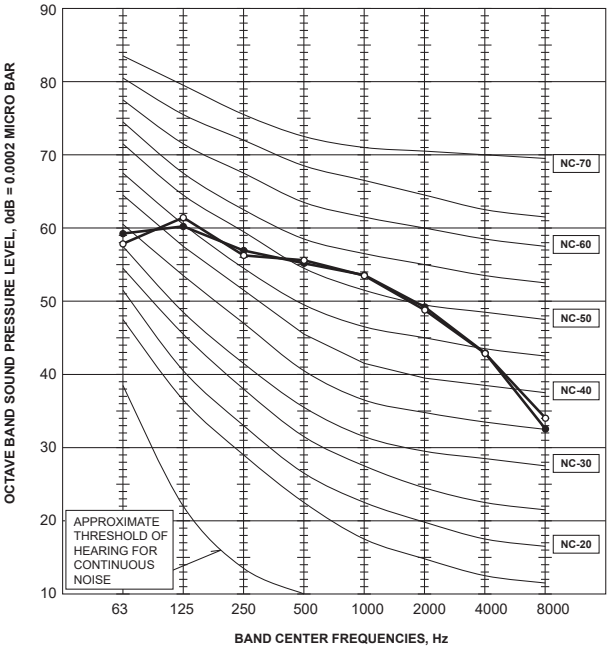
MXZ-4D30NL

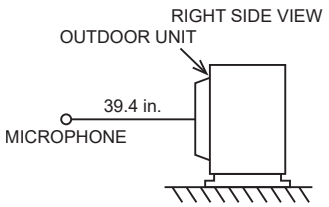
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	53	●—●
High	Heating	56	○—○



MXZ-5D36NL

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	58	●—●
High	Heating	58	○—○





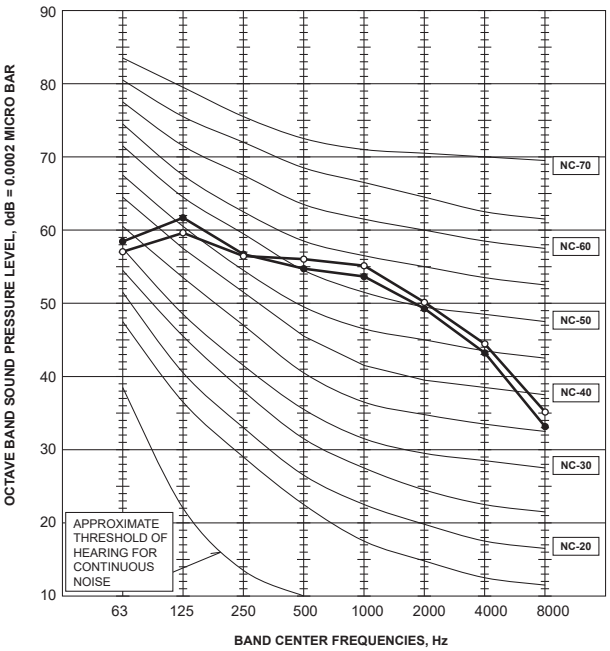
Test conditions

Cooling: Dry-bulb temperature 95°F Wet-bulb temperature 75°F

Heating: Dry-bulb temperature 45°F Wet-bulb temperature 43°F

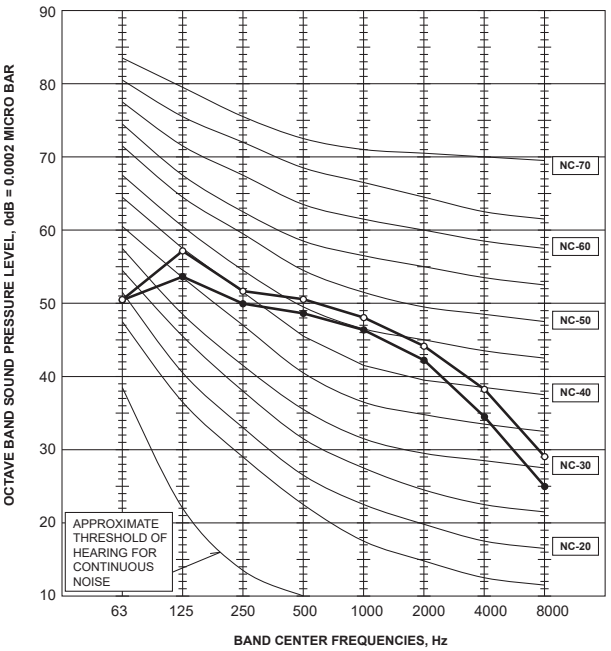
MXZ-5D42NL

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	58	●—●
High	Heating	59	○—○



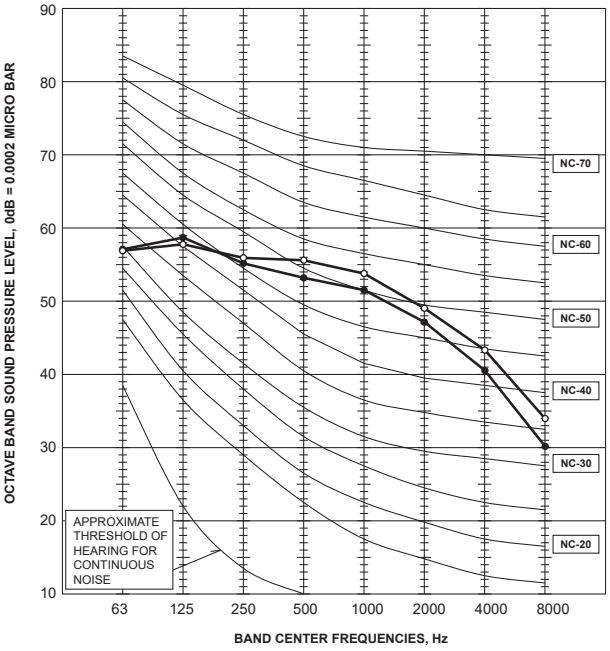
MXZ-2D20NLHZ

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	51	●—●
High	Heating	53	○—○



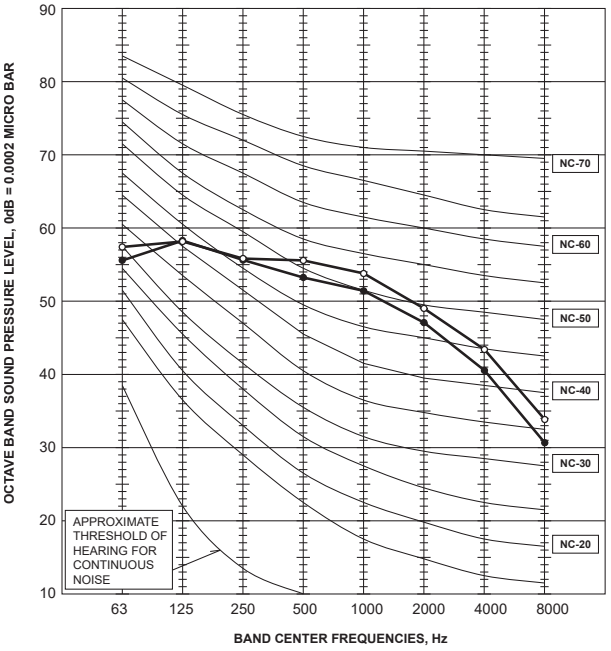
MXZ-3D24NLHZ

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	56	●—●
High	Heating	58	○—○



MXZ-3D30NLHZ

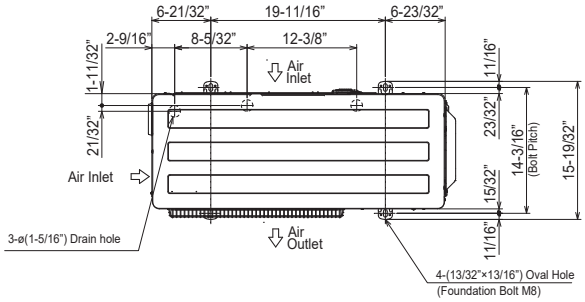
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	56	●—●
High	Heating	58	○—○

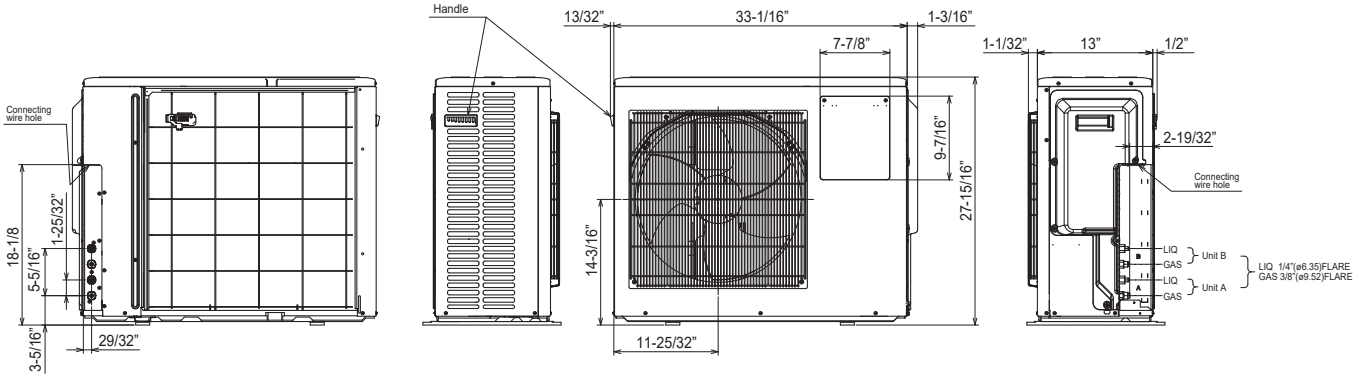


6 OUTLINES AND DIMENSIONS

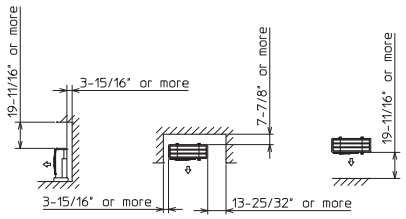
MXZ-2D20NL

Unit: inch (mm)

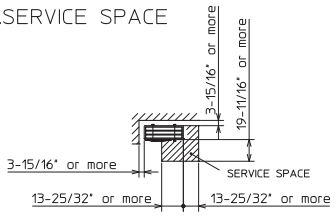


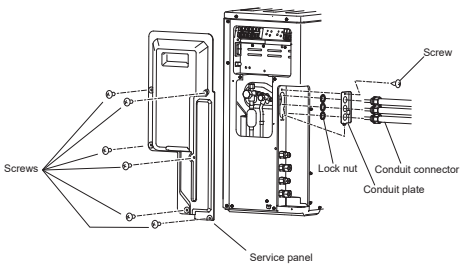


1.FREE SPACE



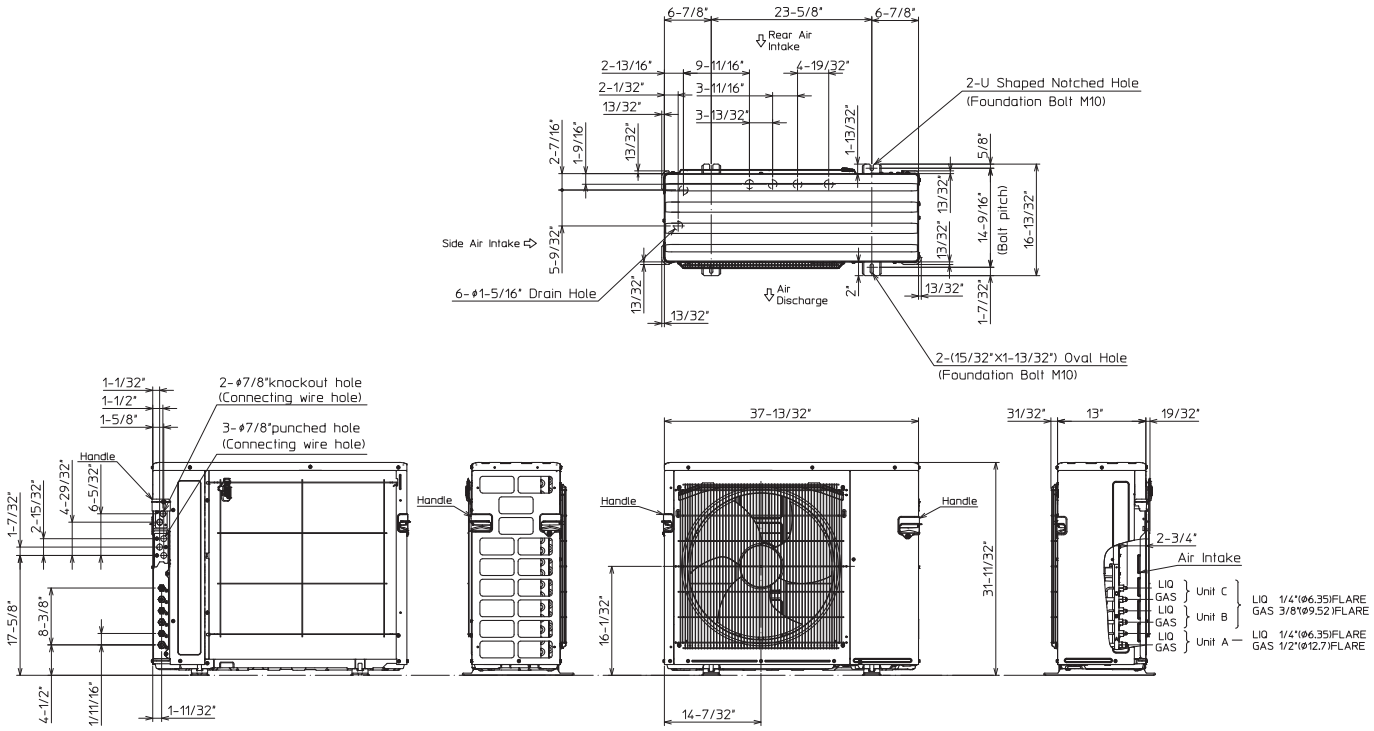
2.SERVICE SPACE



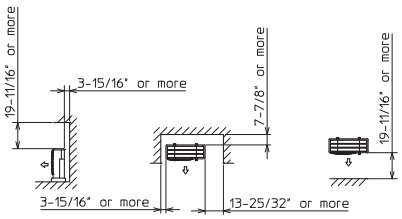


MXZ-3D24NL

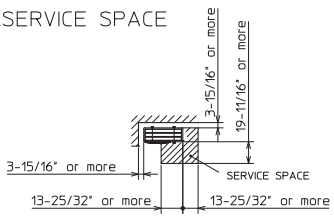
Unit: inch (mm)

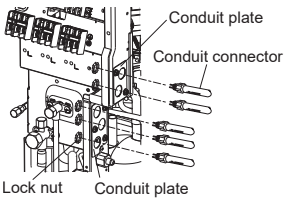


1.FREE SPACE



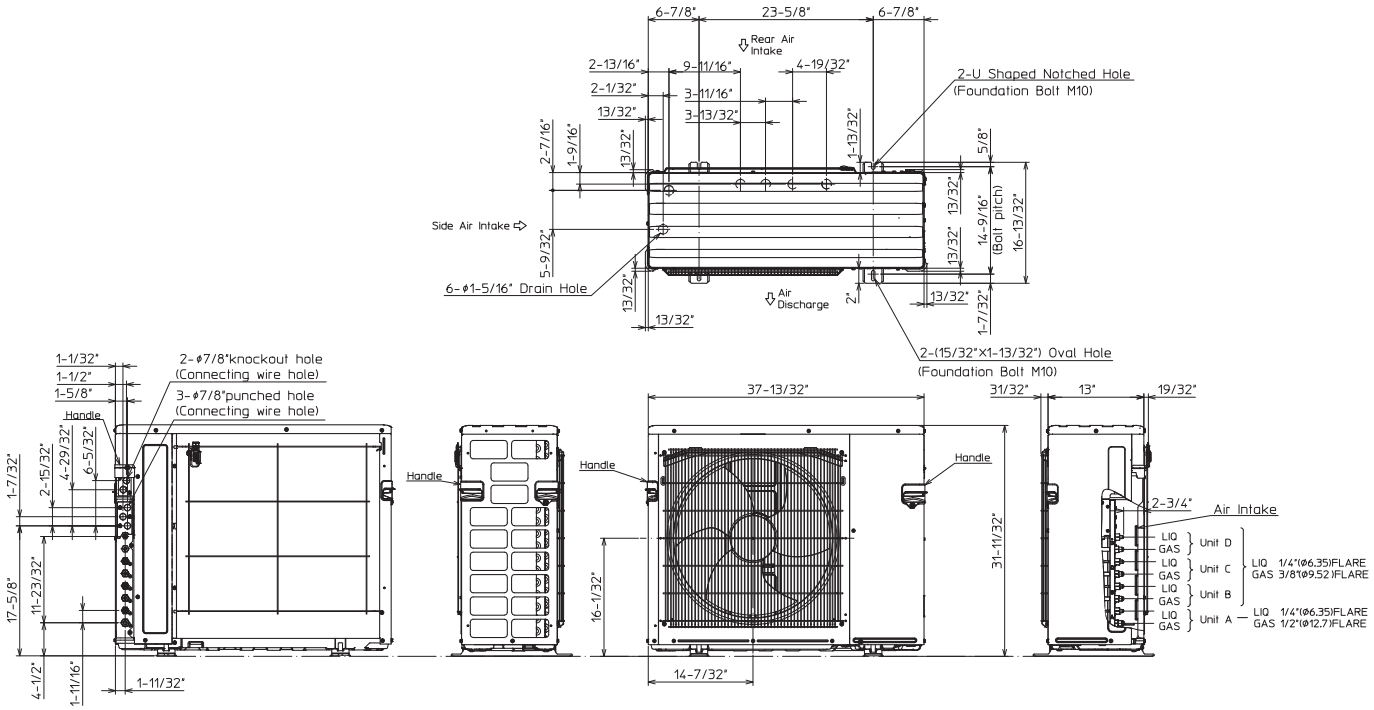
2.SERVICE SPACE



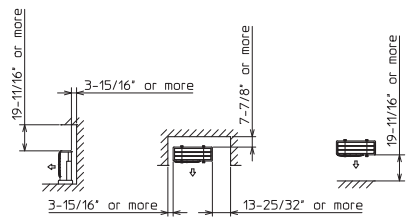


MXZ-4D30NL

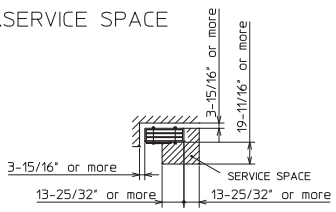
Unit: inch (mm)

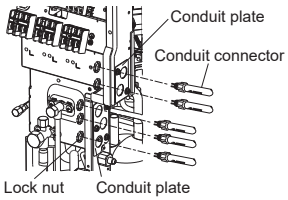


1.FREE SPACE



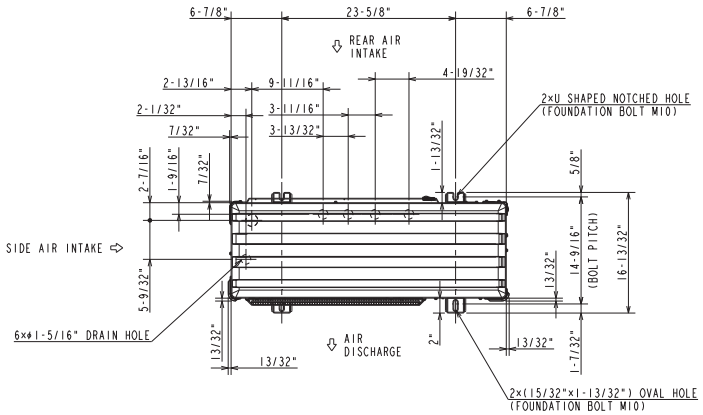
2.SERVICE SPACE

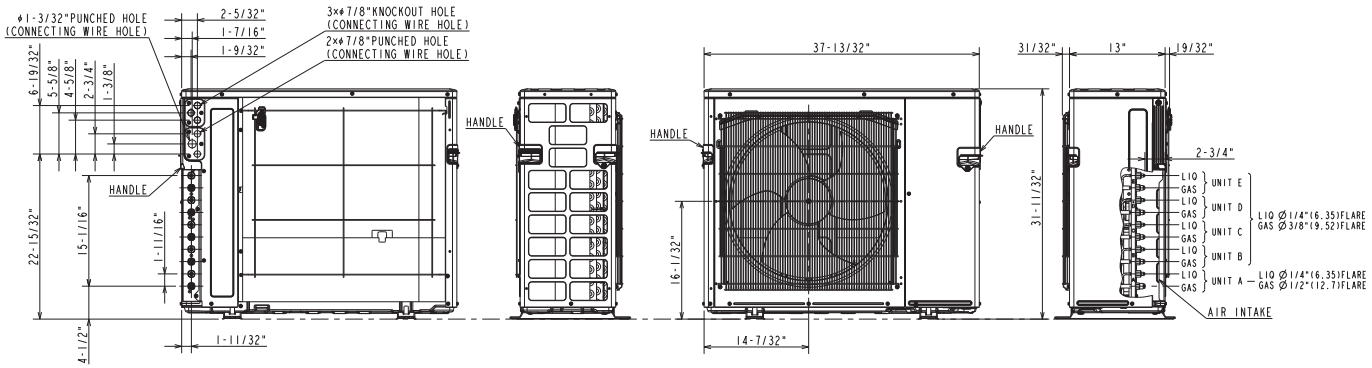


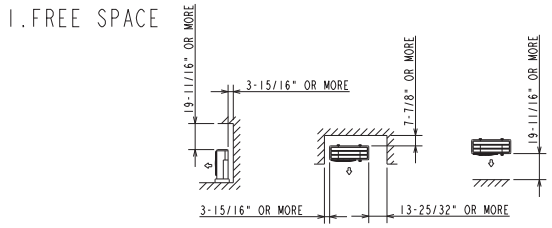


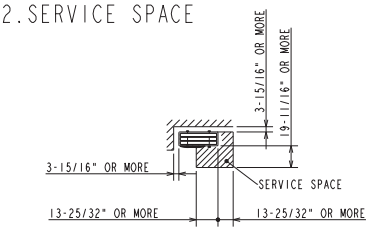
MXZ-5D36NL MXZ-5D42NL

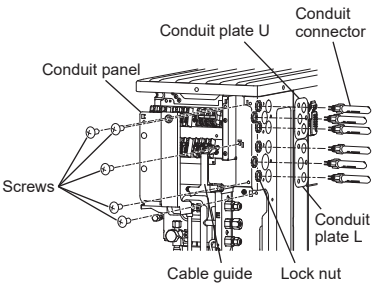
Unit: inch (mm)





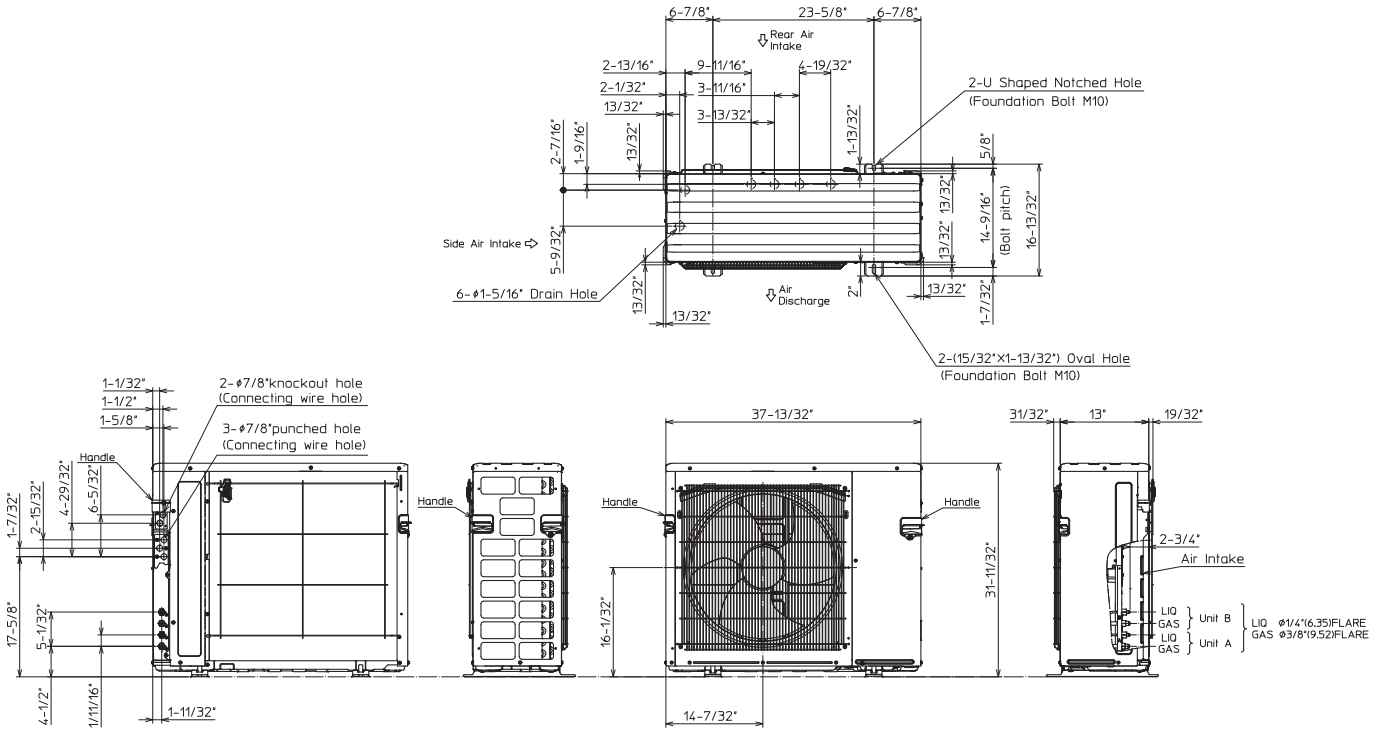






MXZ-2D20NLHZ

Unit: inch (mm)



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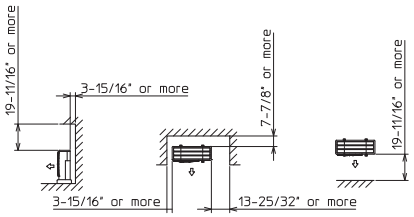
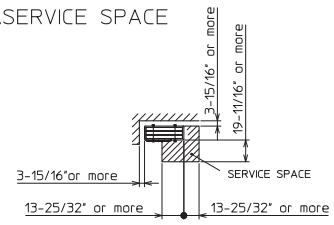
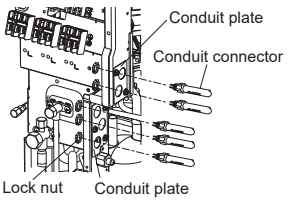


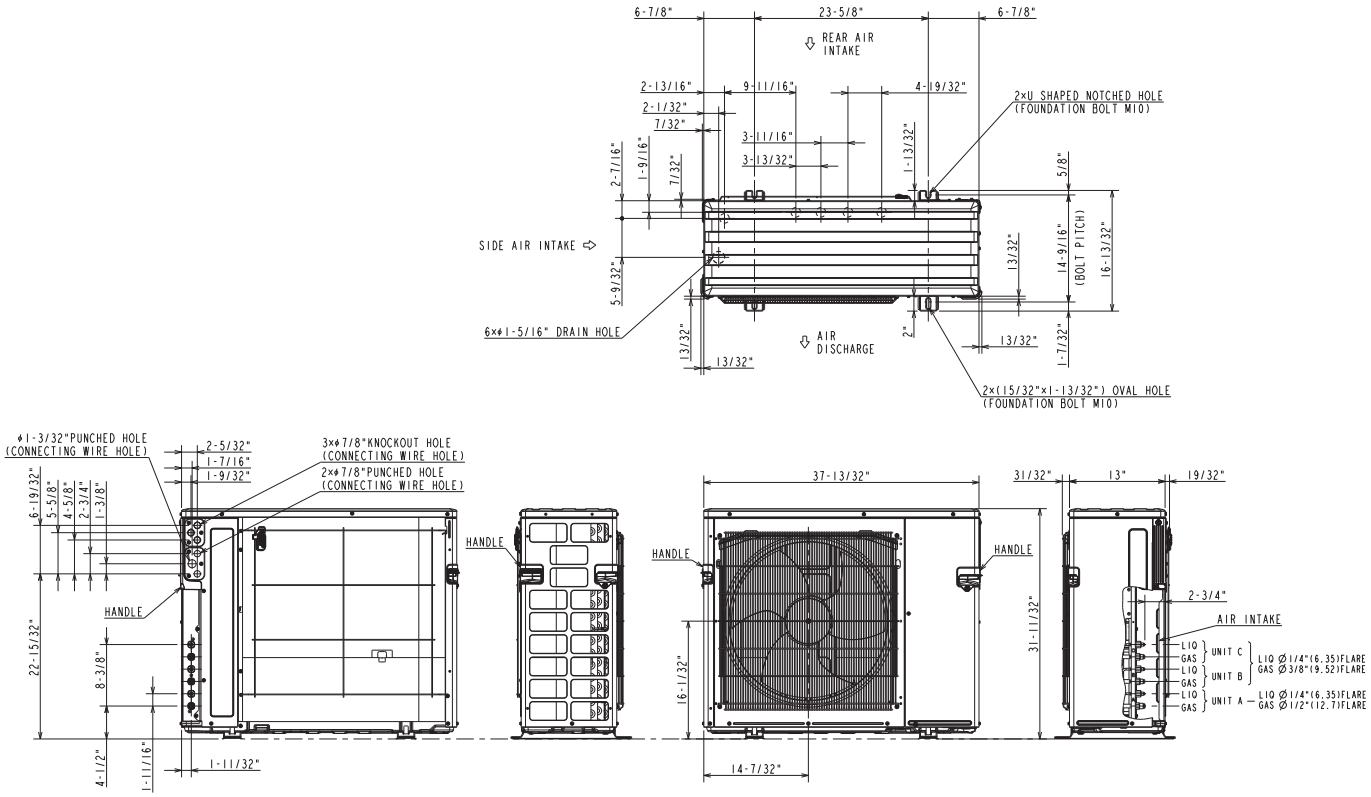
2.SERVICE SPACE

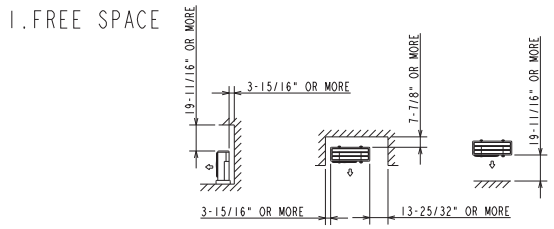


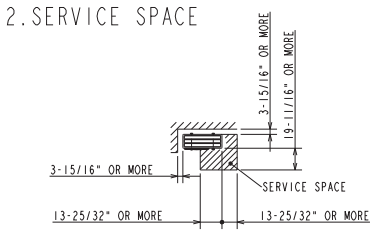


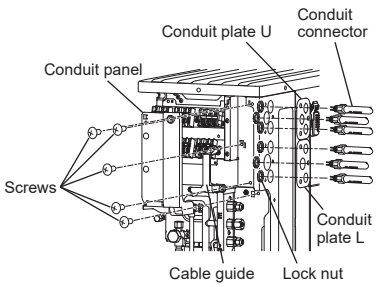
MXZ-3D24NLHZ MXZ-3D30NLHZ

Unit: inch (mm)



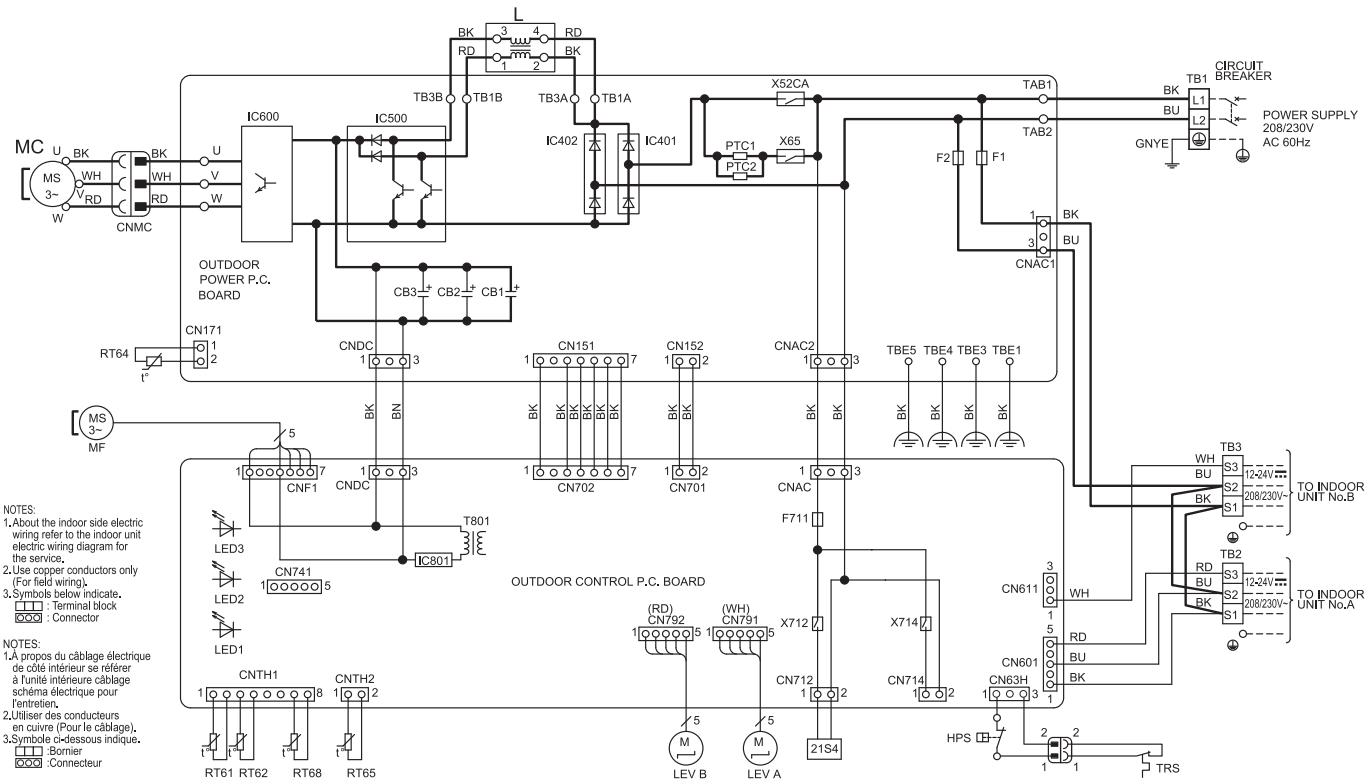






7 WIRING DIAGRAM

MXZ-2D20NL

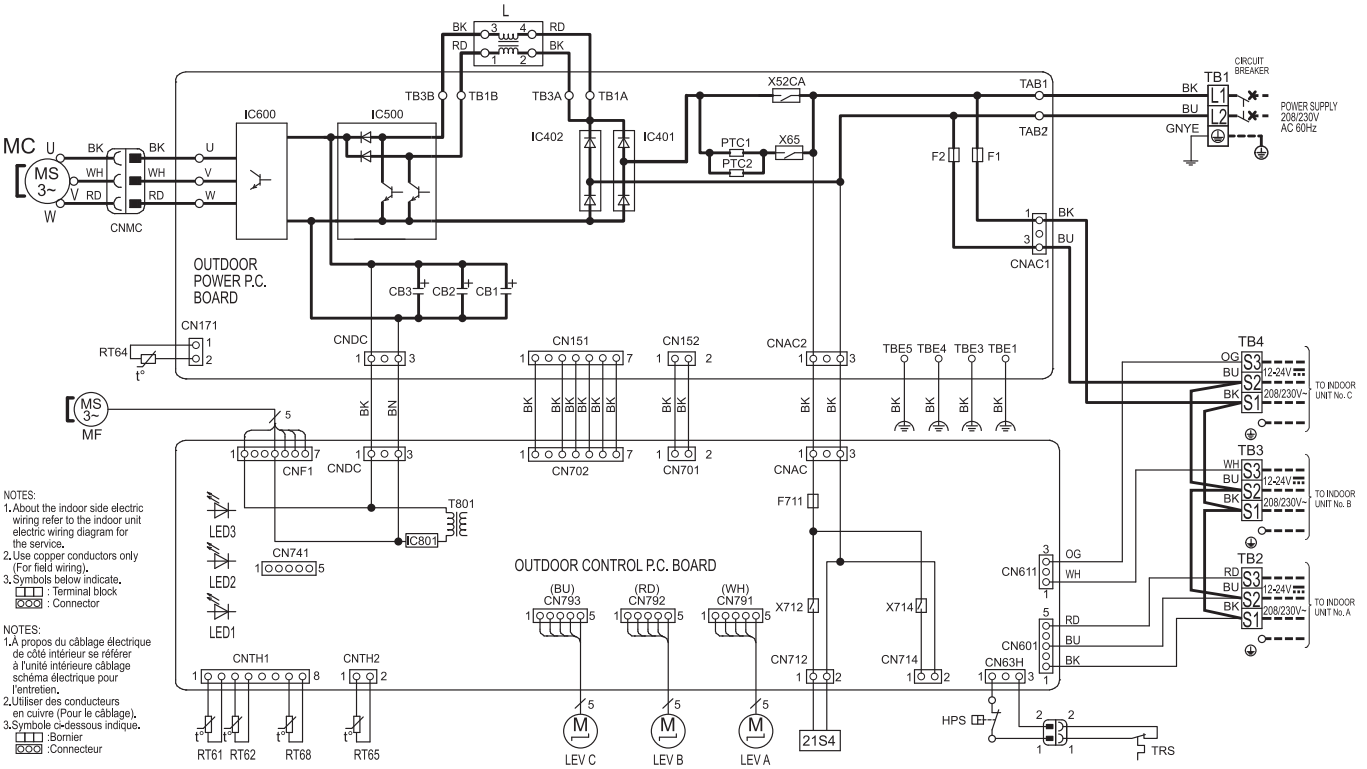


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   : Terminal block
   : Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (Pour le câblage).
3. Symbole ci-dessous indique.
   :Bornier
   :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	L	REACTOR	PTC1, 2	CIRCUIT PROTECTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X52CA	RELAY
F1	FUSE (10A 250V)	IC401, 402	DIODE BRIDGE	LED1~3	LED	RT61	DEFROST THERMISTOR			X65	RELAY
F2	FUSE (10A 250V)	IC500	POWER FACTOR CONTROLLER	LEV A, B	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	T801	TRANSFORMER	X712	RELAY
F711	FUSE (T3.15AL250V)	IC600	POWER MODULE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK	X714	RELAY
		IC801	POWER DEVICE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	TRS	THERMAL PROTECTOR	21S4	4-WAY VALVE SOLENOID COIL

MXZ-3D24NL

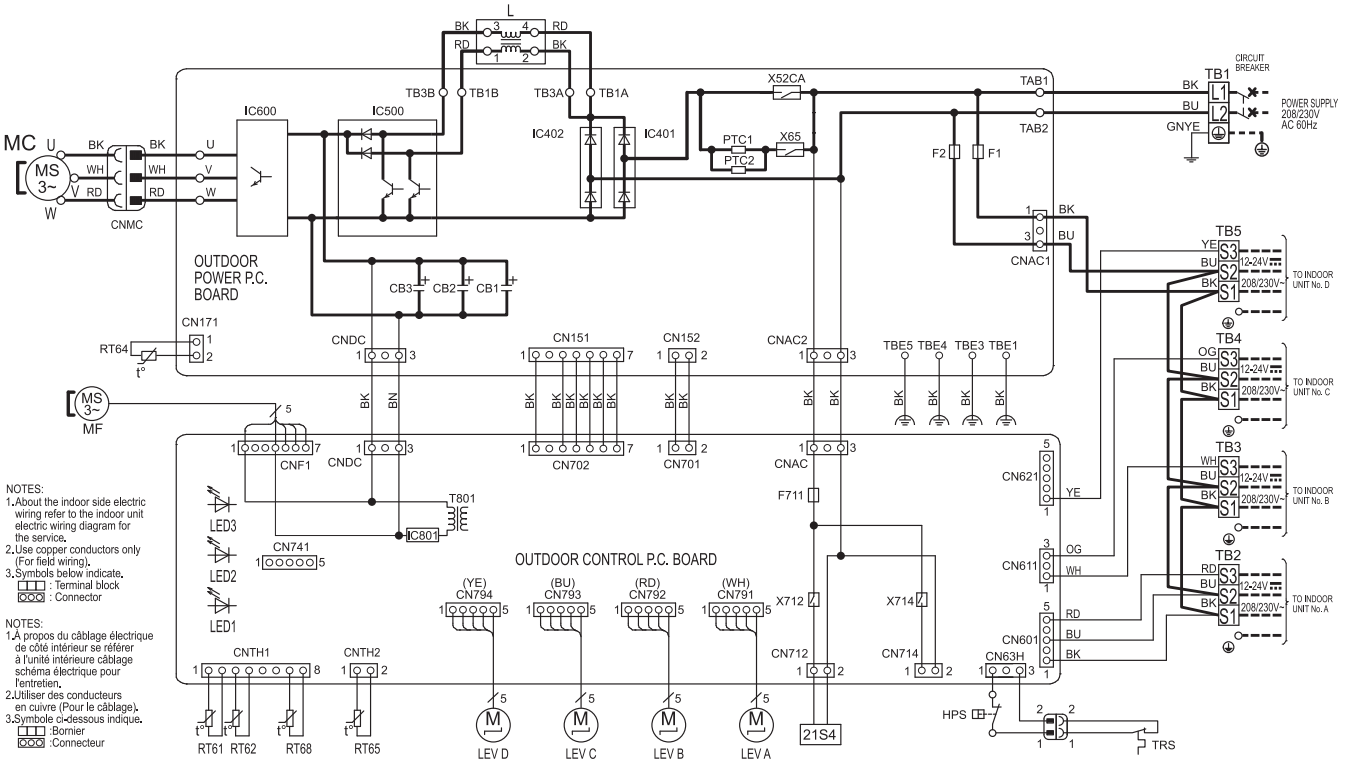


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   : Terminal block
   : Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (Pour le câblage).
3. Symbole ci-dessous indique.
   :Bornier
   :Connecteur

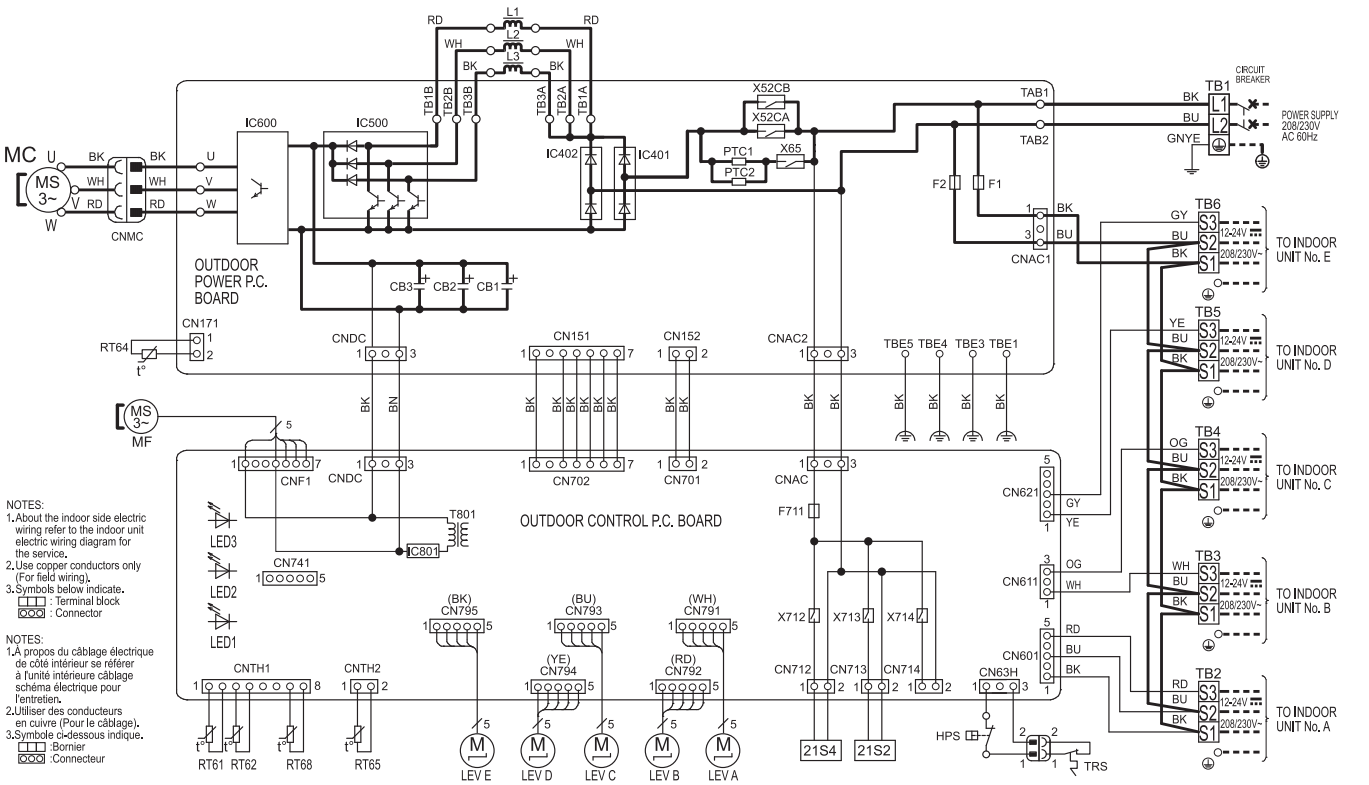
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	L	REACTOR	PTC1, 2	CIRCUIT PROTECTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X52CA	RELAY
F1	FUSE (10A 250V)	IC401, 402	DIODE BRIDGE	LED1~3	LED	RT61	DEFROST THERMISTOR			X65	RELAY
F2	FUSE (10A 250V)	IC500	POWER FACTOR CONTROLLER	LEV A~C	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	T801	TRANSFORMER	X712	RELAY
F711	FUSE (T3.15AL 250V)	IC600	POWER MODULE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	TB1~4	TERMINAL BLOCK	X714	RELAY
		IC801	POWER DEVICE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	TRS	THERMAL PROTECTOR	21S4	4-WAY VALVE SOLENOID COIL

MXZ-4D30NL



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	L	REACTOR	PTC1, 2	CIRCUIT PROTECTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X52CA	RELAY
F1	FUSE (10A 250V)	IC401, 402	DIODE BRIDGE	LED1~3	LED	RT61	DEFROST THERMISTOR			X65	RELAY
F2	FUSE (10A 250V)	IC500	POWER FACTOR CONTROLLER	LEV A~D	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	T801	TRANSFORMER	X712	RELAY
F711	FUSE (T3.15AL 250V)	IC600	POWER MODULE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	TB1~5	TERMINAL BLOCK	X714	RELAY
		IC801	POWER DEVICE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	TRS	THERMAL PROTECTOR	21S4	4-WAY VALVE SOLENOID COIL

MXZ-5D36NL MXZ-5D42NL

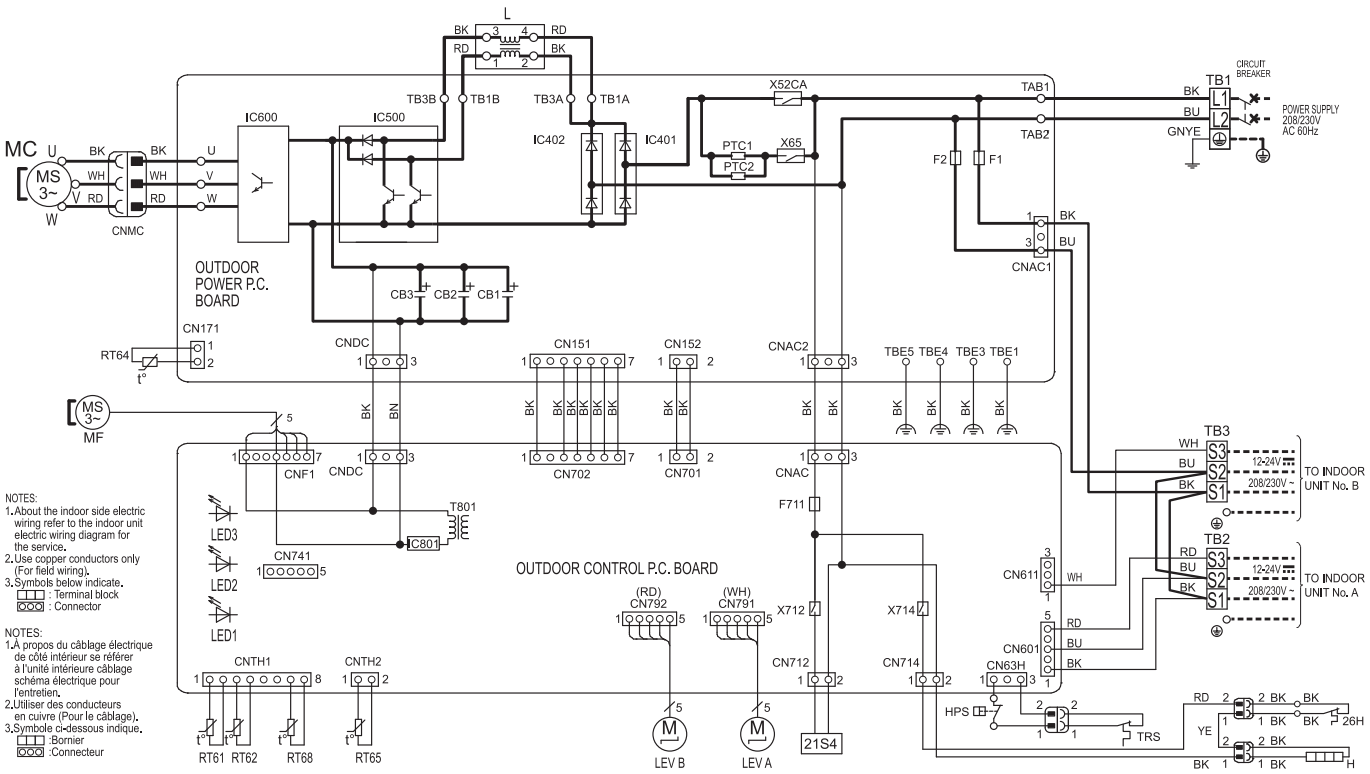


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   : Terminal block
   : Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (Pour le câblage).
3. Symbole ci-dessous indique.
   :Bornier
   :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC500	POWER MODULE	LEV A~E	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	T801	TRANSFORMER	X712~X714	RELAY
F1, F2	FUSE (10A 250V)	IC600	POWER MODULE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	TB1~6	TERMINAL BLOCK	21S2	2-WAY VALVE SOLENOID COIL
F711	FUSE (T3,15AL 250V)	IC801	POWER DEVICE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	TRS	THERMAL PROTECTOR	21S4	4-WAY VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	L1~3	REACTOR	PTC1, 2	CIRCUIT PROTECTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	X52CA, B	RELAY		
IC401,402	DIODE BRIDGE	LED 1~3	LED	RT61	DEFROST THERMISTOR			X65	RELAY		

MXZ-2D20NLHZ

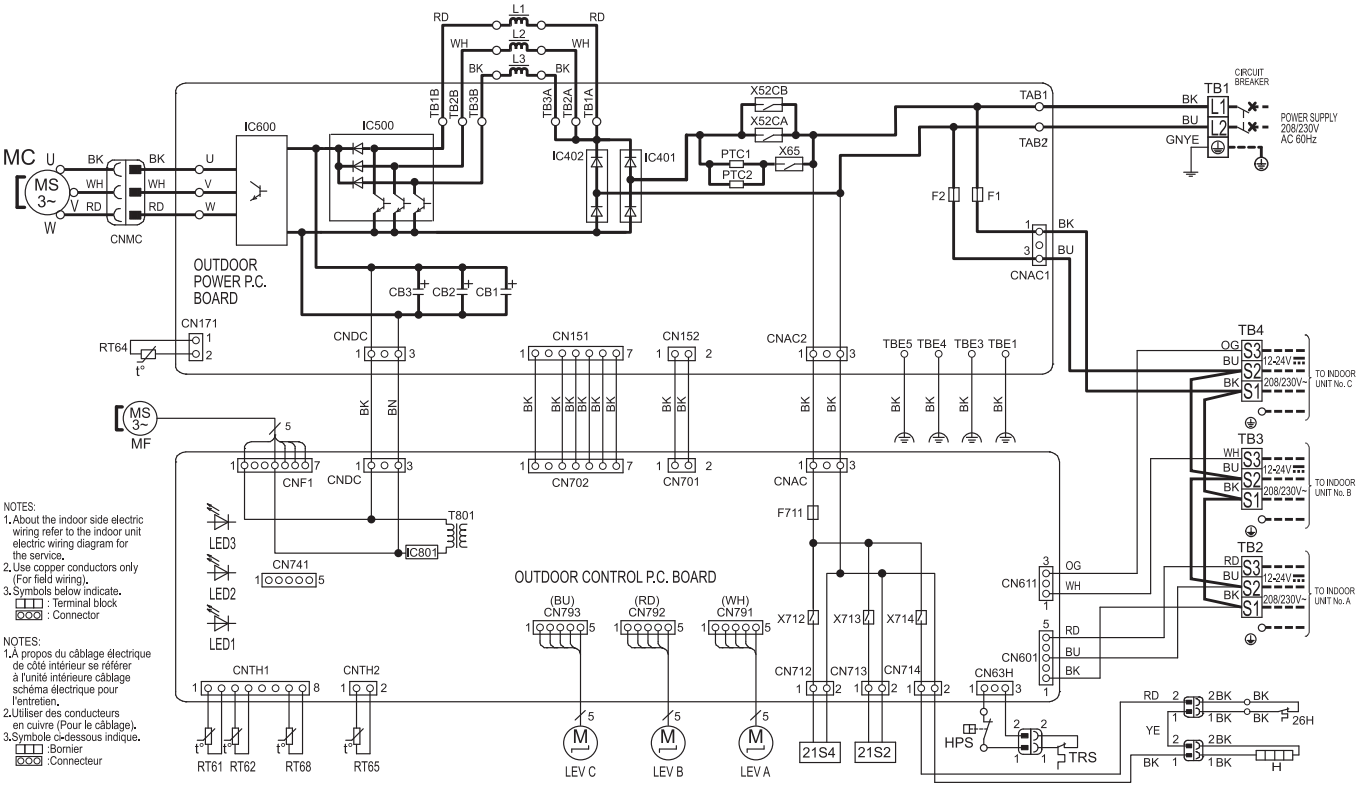


NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
: Terminal block
: Connector

NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (Pour le câblage).
3. Symbole ci-dessous indique.
:Bornier
:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	L	REACTOR	PTC1, 2	CIRCUIT PROTECTOR	RT68	OUTDOOR HEAT EXCHANGER	X52CA	RELAY
F1	FUSE (10A 250V)	IC401, 402	DIODE BRIDGE	LED1~3	LED	RT61	DEFROST THERMISTOR		TEMP. THERMISTOR	X65	RELAY
F2	FUSE (10A 250V)	IC500	POWER FACTOR CONTROLLER	LEV A, B	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	T801	TRANSFORMER	X712, X714	RELAY
F711	FUSE (T3.15AL 250V)	IC600	POWER MODULE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK	21S4	4-WAY VALVE SOLENOID COIL
H	DEFROST HEATER	IC801	POWER DEVICE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	TRS	THERMAL PROTECTOR	26H	HEATER PROTECTOR

MXZ-3D24NLHZ MXZ-3D30NLHZ



NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for the service.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
   : Terminal block
   : Connector

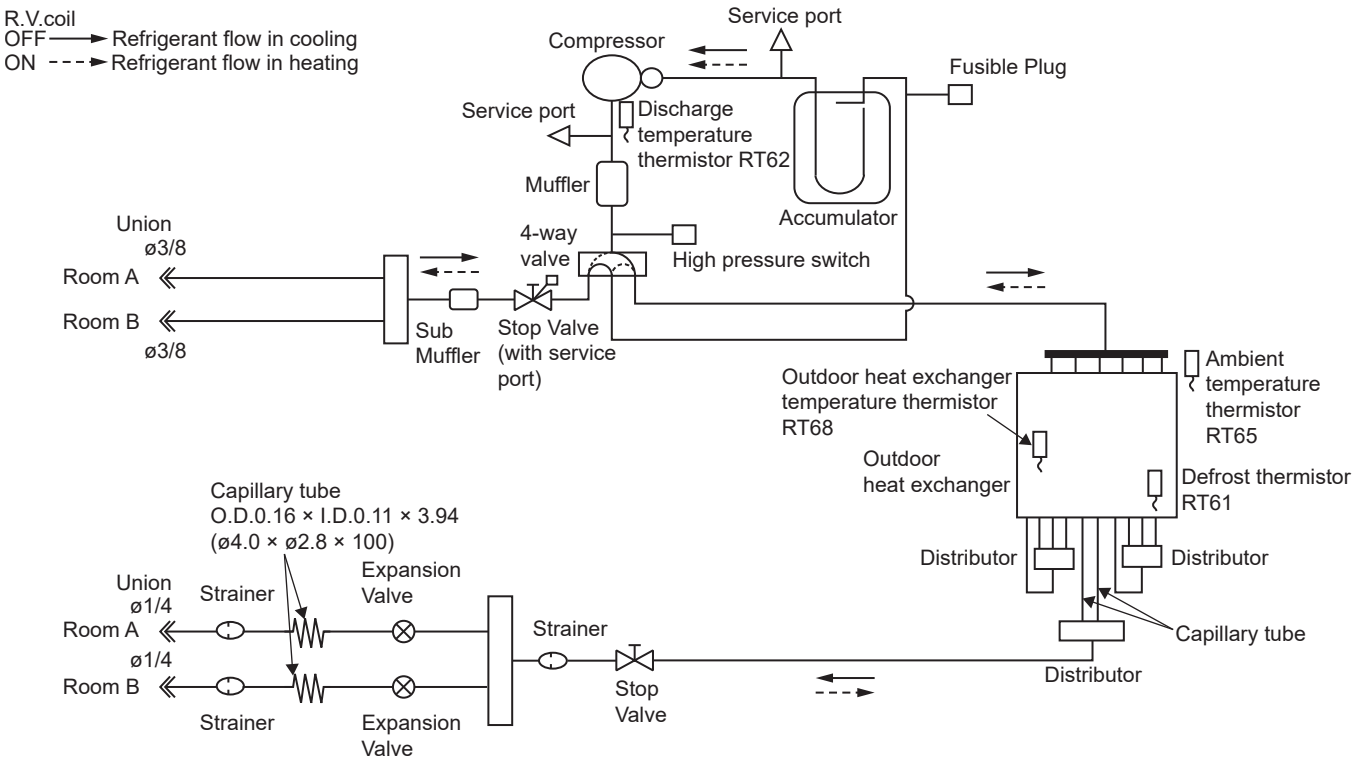
NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
2. Utiliser des conducteurs en cuivre (Pour le câblage).
3. Symbole ci-dessous indique.
   : Bornier
   :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LED1~3	LED	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	X65	RELAY
F1, F2	FUSE (10A 250V)	IC500	POWER FACTOR CONTROLLER	LEV A~C	EXPANSION VALVE COIL	RT62	DISCHARGE TEMP. THERMISTOR	TB1~4	TERMINAL BLOCK	X712~X714	RELAY
F711	FUSE (T3.15AL 250V)	IC600	POWER MODULE	MC	COMPRESSOR	RT64	FIN TEMP. THERMISTOR	TRS	THERMAL PROTECTOR	21S2	2-WAY VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	IC801	POWER DEVICE	MF	FAN MOTOR	RT65	AMBIENT TEMP. THERMISTOR	X52CA,B	RELAY	21S4	4-WAY VALVE SOLENOID COIL
H	DEFROST HEATER	L1~3	REACTOR	PTC1, 2	CIRCUIT PROTECTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR			26H	HEATER PROTECTOR

8 REFRIGERANT SYSTEM DIAGRAM

MXZ-2D20NL

Unit: inch (mm)



MXZ-2D20NL

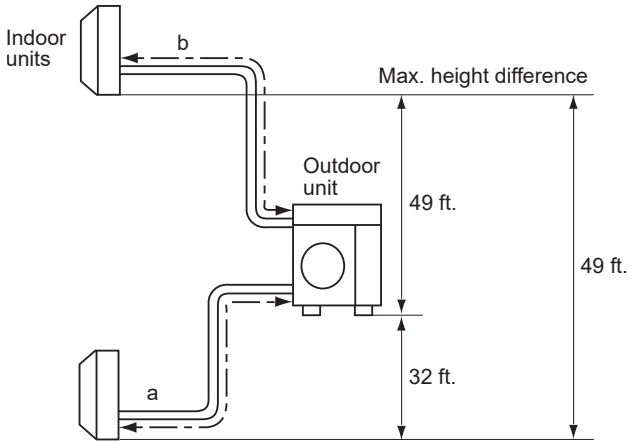
Operating Range

		Indoor air intake temperature	Outdoor air intake temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB
	Minimum	70°FDB, 60°FWB	5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b)	82 ft.
Total piping length (a+b)	164 ft.
Number of bends for each unit	25
Total number of bends	50

*It is irrelevant which unit is higher.



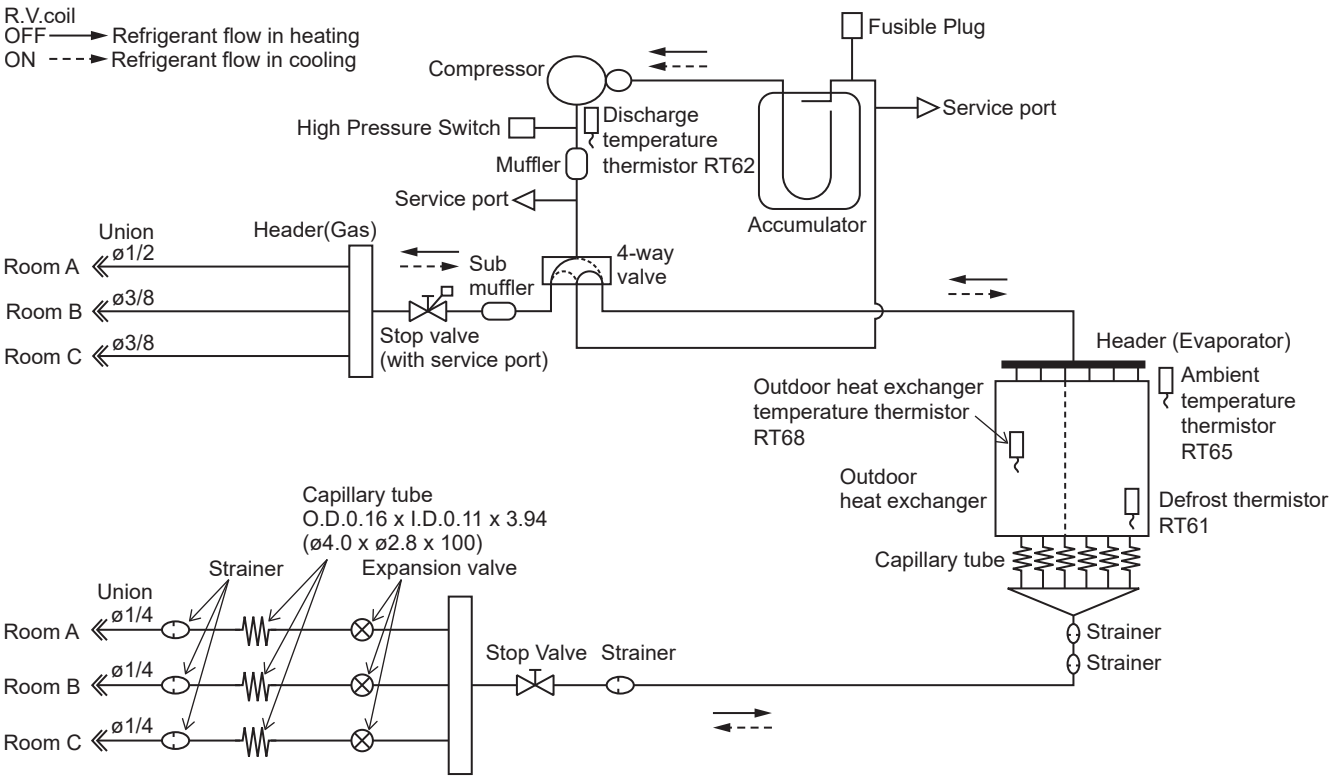
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional pipe adapter. For further information on pipe adapters, refer to “DIFFERENT-DIAMETER PIPE in PARTS CATALOG”.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	3/8
Indoor unit B	Liquid	1/4
	Gas	3/8

MXZ-3D24NL

Unit: inch (mm)



MXZ-3D24NL

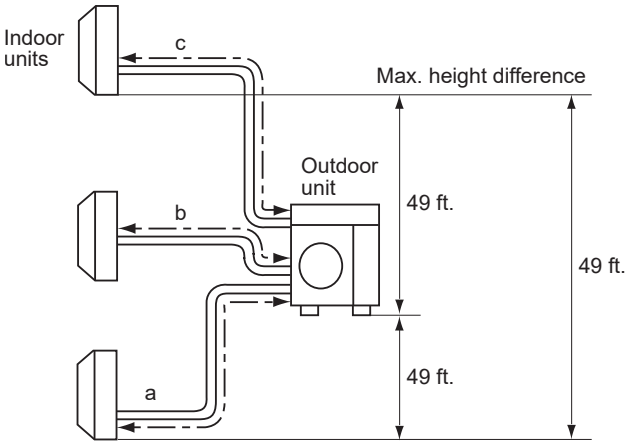
Operating Range

		Indoor air intake temperature	Outdoor air intake temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c)	82 ft.
Total piping length (a+b+c)	230 ft.
Number of bends for each unit	25
Total number of bends	70

*It is irrelevant which unit is higher.



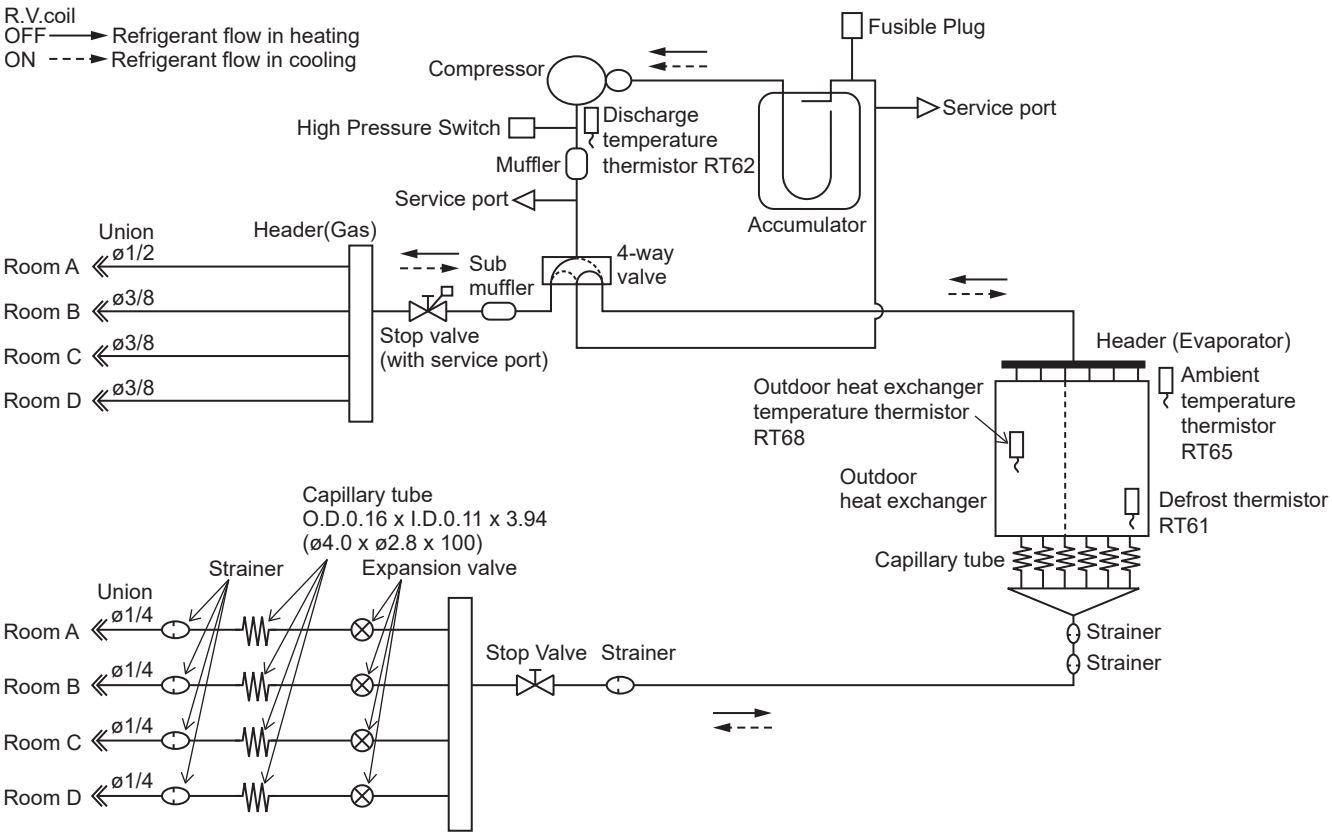
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional pipe adapter. For further information on pipe adapters, refer to “DIFFERENT-DIAMETER PIPE in PARTS CATALOG”.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8

MXZ-4D30NL

Unit: inch (mm)



MXZ-4D30NL

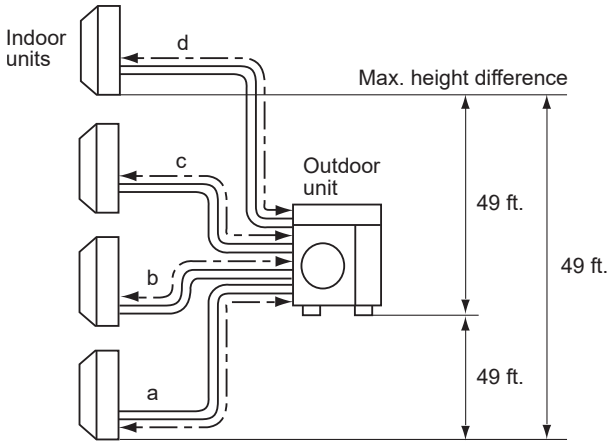
Operating Range

		Indoor air intake temperature	Outdoor air intake temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c, d)	82 ft.
Total piping length (a+b+c+d)	230 ft.
Number of bends for each unit	25
Total number of bends	70

*It is irrelevant which unit is higher.



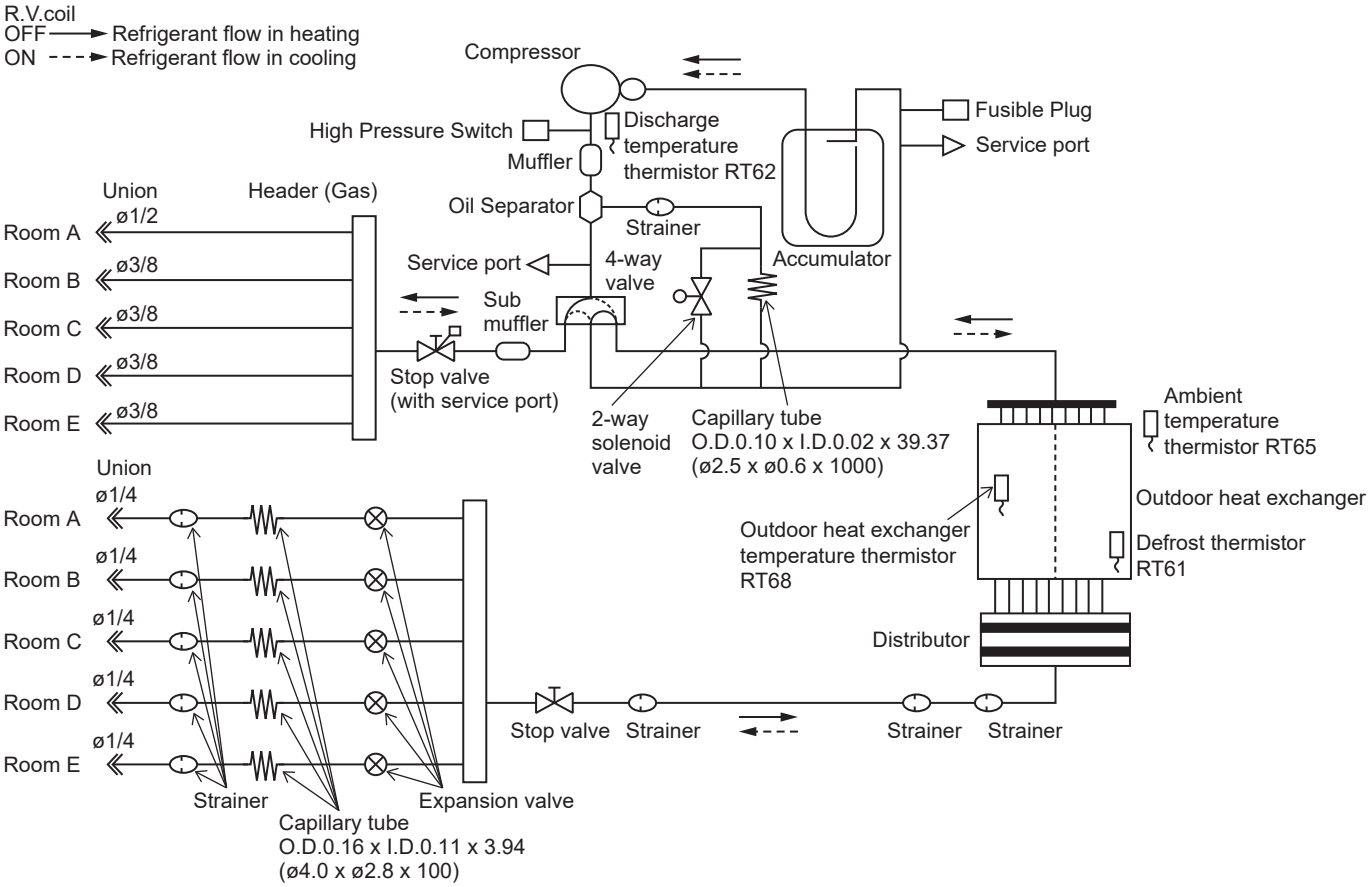
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional pipe adapter. For further information on pipe adapters, refer to “DIFFERENT-DIAMETER PIPE in PARTS CATALOG”.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8
Indoor unit D	Liquid	1/4
	Gas	3/8

MXZ-5D36NL MXZ-5D42NL

Unit: inch (mm)



MXZ-5D36NL MXZ-5D42NL

Operating Range

		Indoor air intake temperature	Outdoor air intake temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

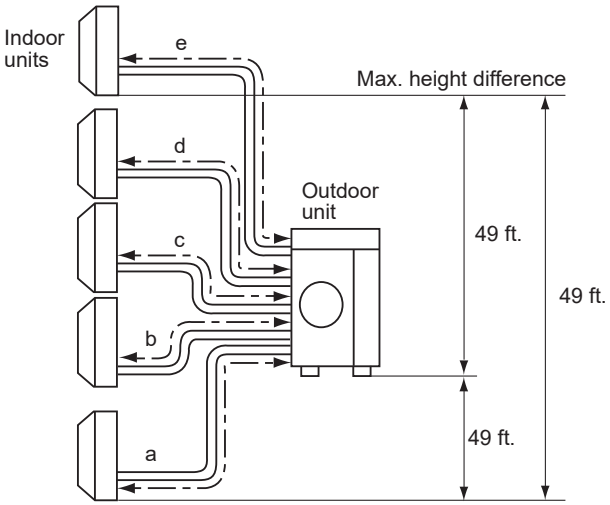
MXZ-5D36NL

Piping length each indoor unit (a, b, c, d, e)	82 ft.
Total piping length (a+b+c+d+e)	230 ft.
Number of bends for each unit	25
Total number of bends	70

MXZ-5D42NL

Piping length each indoor unit (a, b, c, d, e)	82 ft.
Total piping length (a+b+c+d+e)	262 ft.
Number of bends for each unit	25
Total number of bends	80

*It is irrelevant which unit is higher.



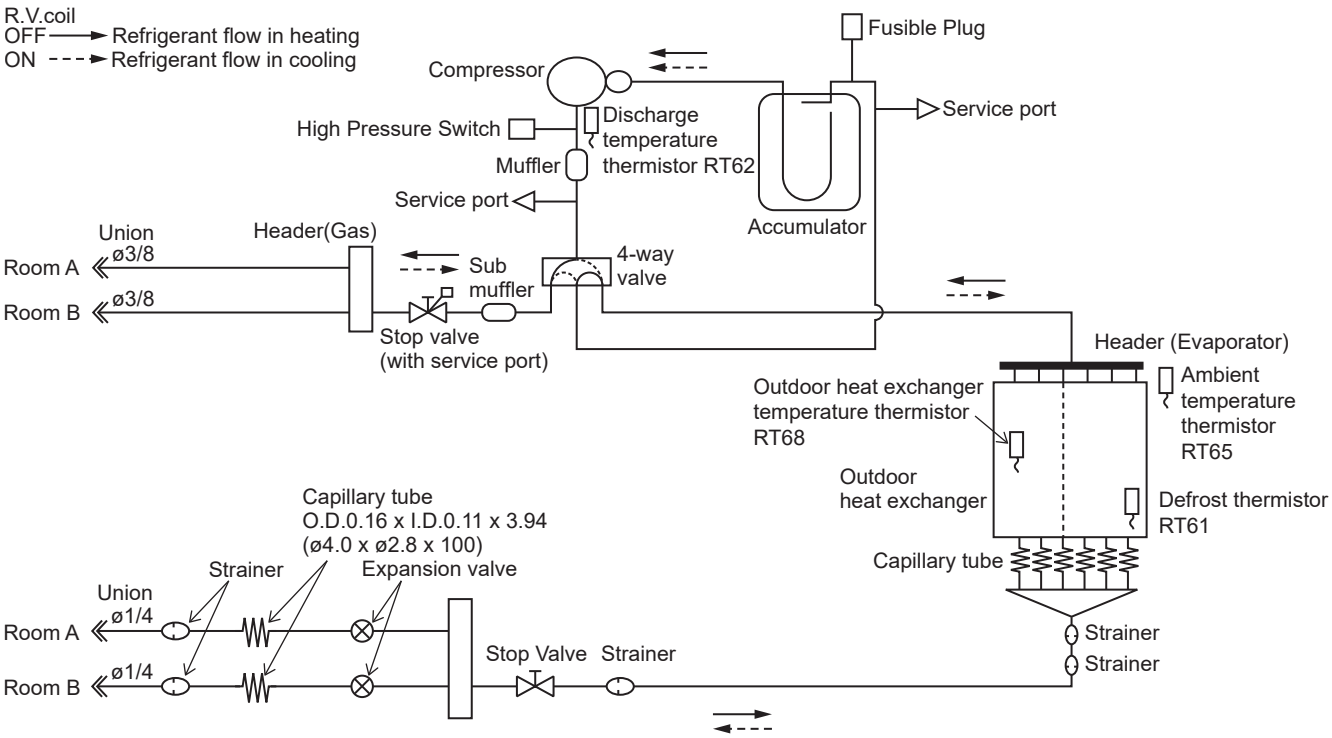
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional pipe adapter. For further information on pipe adapters, refer to “DIFFERENT-DIAMETER PIPE in PARTS CATALOG”.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8
Indoor unit D	Liquid	1/4
	Gas	3/8
Indoor unit E	Liquid	1/4
	Gas	3/8

MXZ-2D20NLHZ

Unit: inch (mm)



MXZ-2D20NLHZ

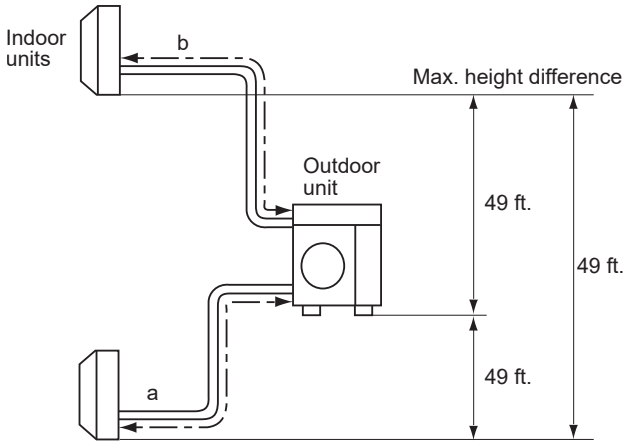
Operating Range

		Indoor air intake temperature	Outdoor air intake temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	-12°FDB, -13°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b)	82 ft.
Total piping length (a+b)	164 ft.
Number of bends for each unit	25
Total number of bends	50

*It is irrelevant which unit is higher.

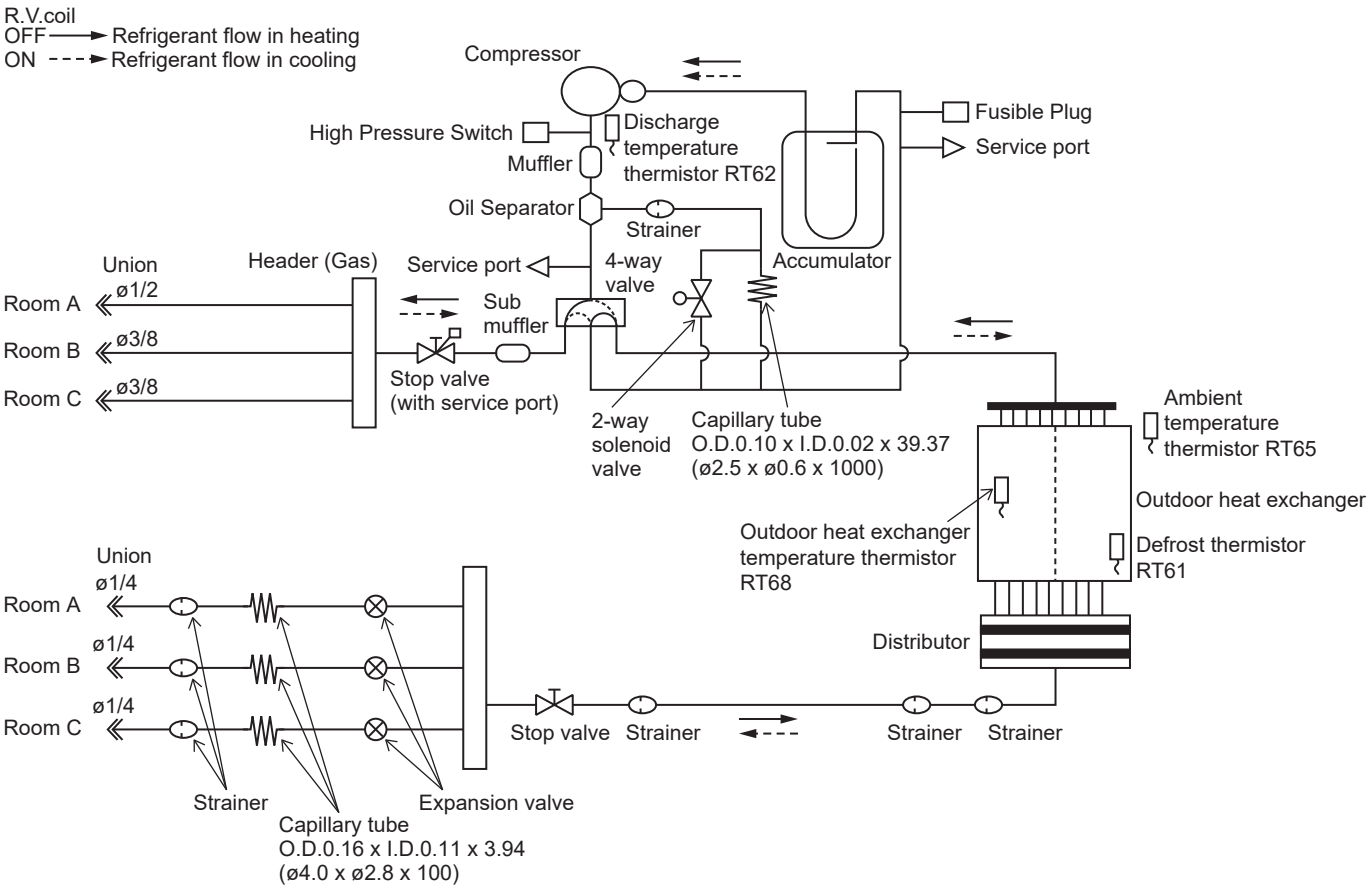


- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional pipe adapter. For further information on pipe adapters, refer to “DIFFERENT-DIAMETER PIPE in PARTS CATALOG”.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	3/8
Indoor unit B	Liquid	1/4
	Gas	3/8

MXZ-3D24NLHZ MXZ-3D30NLHZ



MXZ-3D24NLHZ MXZ-3D30NLHZ

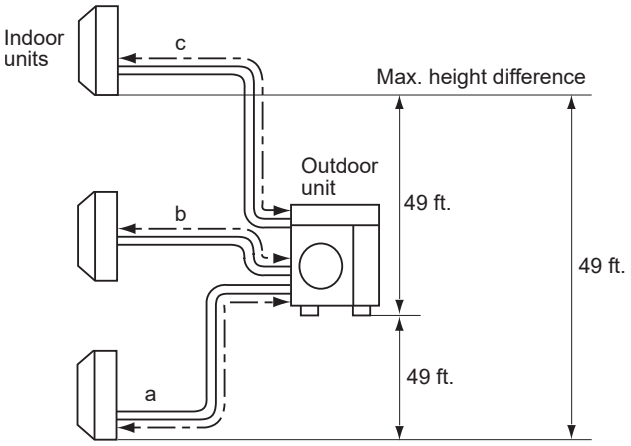
Operating Range

		Indoor air intake temperature	Outdoor air intake temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	-12°FDB, -13°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c)	82 ft.
Total piping length (a+b+c)	230 ft.
Number of bends for each unit	25
Total number of bends	70

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional pipe adapter. For further information on pipe adapters, refer to “DIFFERENT-DIAMETER PIPE in PARTS CATALOG”.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8

PUMPING DOWN

When relocating or disposing of the air conditioner, pump down the system following the procedure below so that no refrigerant is released into the atmosphere.

(1) Turn off the breaker.
(2) Connect the gauge manifold valve to the service port of the stop valve on the gas pipe side of the outdoor unit.
(3) Fully close the stop valve on the liquid pipe side of the outdoor unit.
(4) Turn on the breaker.
(5) Start the emergency COOL operation on all the indoor units.
(6) When the pressure gauge shows 0.1 to 0 psi [Gauge] (0.05 to 0 MPa), fully close the stop valve on the gas pipe side of the outdoor unit and stop the operation. (Refer to the indoor unit installation manual about the method for stopping the operation.)
    * If too much refrigerant has been added to the air conditioner system, the pressure may not drop to 0.1 to 0 psi [Gauge] (0.05 to 0 MPa), or the protection function may operate due to the pressure increase in the high-pressure refrigerant circuit. If this occurs, use a refrigerant collecting device to collect all of the refrigerant in the system, and then recharge the system with the correct amount of refrigerant after the indoor and outdoor units have been relocated.
(7) Turn off the breaker. Remove the pressure gauge and the refrigerant piping.

⚠ WARNING

When the refrigerant circuit has a leak, do not execute pump down with the compressor.
When pumping down the refrigerant, stop the compressor before disconnecting the refrigerant pipes.
If the refrigerant pipes are disconnected while the compressor is running and the stop valve is open, air could be drawn in and the pressure in the refrigeration cycle could become abnormally high.
The compressor may burst and cause injury if any foreign substance, such as air, enters the pipes.

9 DATA

Model				MXZ-2D20NL			
Indoor type				Non-Duct (09+09)		Duct (09+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	18,000	22,000	20,000	22,000
	SHF		–	–	–	–	–
	Input		kW	1.384	1.641	2.000	1.771
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.335	1.577	1.823	1.705
	Comp. current (208/230V)		A	6.42/5.80	7.58/6.86	8.76/7.92	8.20/7.41
	Fan motor current		A	0.22	0.22	0.22	0.22
Refrigerant circuit	Condensing pressure		PSIG	394	303	412	306
	Suction pressure		PSIG	149	94	136	79
	Discharge temperature		°F	161	149	171	157
	Condensing temperature		°F	120	99	122	100
	Suction temperature		°F	58	33	54	33
	Comp. shell bottom temp.		°F	159	146	164	150
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [50]			
	Refrigerant charge (R454B)		–	4 lb, 7 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	650	700	650	700
	Airflow		CFM	1,326	1,451	1,326	1,451

Model				MXZ-3D24NL			
Indoor type				Non-Duct (06+09+09)		Duct (12+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	22,000	25,000	23,600	25,000
	SHF		–	–	–	–	–
	Input		kW	1.606	1.879	2.017	1.879
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.577	1.800	1.775	1.846
	Comp. current (208/230V)		A	7.58/6.86	8.88/8.03	8.54/7.72	8.88/8.03
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	391	307	381	307
	Suction pressure		PSIG	159	82	143	82
	Discharge temperature		°F	155	144	155	144
	Condensing temperature		°F	116	100	116	100
	Suction temperature		°F	62	34	56	34
	Comp. shell bottom temp.		°F	154	143	154	143
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [75]		25 [50]	
	Refrigerant charge (R454B)		–	5 lb, 5 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	650	680	650	680
	Airflow		CFM	2,121	2,199	2,121	2,231

Model				MXZ-4D30NL			
Indoor type				Non-Duct (06+06+09+09)		Duct (18+18)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	28,600	28,600	27,400	27,600
	SHF		–	–	–	–	–
	Input		kW	2.200	2.149	2.854	2.200
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	2.190	1.775	2.447	1.968
	Comp. current (208/230V)		A	10.53/9.52	8.53/7.72	11.76/10.64	9.46/8.56
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	400	263	406	269
	Suction pressure		PSIG	161	90	141	79
	Discharge temperature		°F	160	141	167	150
	Condensing temperature		°F	37	87	121	93
	Suction temperature		°F	63	33	55	34
	Comp. shell bottom temp.		°F	159	140	166	148
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [100]		25 [50]	
	Refrigerant charge (R454B)		–	5 lb, 5 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	650	680	650	680
	Airflow		CFM	2,121	2,231	2,121	2,231

Model				MXZ-5D36NL			
Indoor type				Non-Duct (06+06+06+09+09)		Duct (18+18)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	35,400	36,000	31,400	34,400
	SHF		–	–	–	–	–
	Input		kW	2.950	3.015	3.569	3.253
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	2.929	2.624	3.559	3.202
	Comp. current (208/230V)		A	14.08/12.73	12.62/11.41	17.11/15.48	15.39/13.92
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	403	254	383	286
	Suction pressure		PSIG	155	88	187	95
	Discharge temperature		°F	179	147	180	147
	Condensing temperature		°F	122	88	119	98
	Suction temperature		°F	70	34	72	34
	Comp. shell bottom temp.		°F	178	146	179	147
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [125]		25 [50]	
	Refrigerant charge (R454B)		–	6 lb, 3 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	740	740	740	740
	Airflow		CFM	2,307	2,307	2,307	2,307

Model				MXZ-5D42NL			
Indoor type				Non-Duct (06+09+09+09+09)		Duct (24+24)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	40,500	45,000	36,400	41,000
	SHF		–	–	–	–	–
	Input		kW	4.355	4.397	4.045	4.518
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	4.112	3.900	4.019	4.303
	Comp. current (208/230V)		A	19.77/17.88	18.75/16.96	19.32/17.47	20.69/18.71
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	418	261	414	309
	Suction pressure		PSIG	134	80	127	86
	Discharge temperature		°F	186	149	180	180
	Condensing temperature		°F	125	90	125	103
	Suction temperature		°F	59	27	53	45
	Comp. shell bottom temp.		°F	184	147	178	178
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [125]		25 [50]	
	Refrigerant charge (R454B)		–	6 lb, 3 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	780	780	780	800
	Airflow		CFM	2,446	2,446	2,446	2,516

Model				MXZ-2D20NLHZ			
Indoor type				Non-Duct (09+09)		Duct (09+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	18,000	22,000	20,000	22,000
	SHF		–	–	–	–	–
	Input		kW	1.334	1.612	1.800	1.688
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.260	1.552	1.773	1.632
	Comp. current (208/230V)		A	6.06/5.48	7.46/6.75	8.52/7.71	7.85/7.10
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	370	303	377	331
	Suction pressure		PSIG	149	99	131	99
	Discharge temperature		°F	156	127	152	148
	Condensing temperature		°F	112	97	113	104
	Suction temperature		°F	59	35	51	36
	Comp. shell bottom temp.		°F	153	125	150	146
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [50]		25 [50]	
	Refrigerant charge (R454B)		–	5 lb, 5 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	650	680	650	680
	Airflow		CFM	2,121	2,231	2,121	2,231

Model				MXZ-3D24NLHZ			
Indoor type				Non-Duct (06+06+09)		Duct (12+12)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	22,000	25,000	23,600	24,600
	SHF		–	-	-	-	-
	Input		kW	1.693	2.094	2.360	2.185
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	1.501	1.658	2.341	2.172
	Comp. current (208/230V)		A	7.21/6.52	7.97/7.21	11.26/10.18	10.44/9.45
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	354	255	371	333
	Suction pressure		PSIG	167	99	126	99
	Discharge temperature		°F	150	148	165	153
	Condensing temperature		°F	112	89	116	108
	Suction temperature		°F	64	40	53	36
	Comp. shell bottom temp.		°F	149	145	163	151
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [75]		25 [50]	
	Refrigerant charge (R454B)		–	6 lb, 3 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	720	760	720	760
	Airflow		CFM	2,238	2,376	2,238	2,376

Model				MXZ-3D30NLHZ			
Indoor type				Non-Duct (09+09+12)		Duct (18+18)	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	28,400	28,600	27,400	27,600
	SHF		–	–	–	–	–
	Input		kW	2.470	2.395	2.661	2.286
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input		kW	2.440	2.058	2.331	2.255
	Comp. current (208/230V)		A	11.73/10.61	9.89/8.95	11.21/10.13	10.84/9.80
	Fan motor current		A	0.4	0.4	0.4	0.4
Refrigerant circuit	Condensing pressure		PSIG	387	277	375	271
	Suction pressure		PSIG	142	94	144	97
	Discharge temperature		°F	162	151	172	141
	Condensing temperature		°F	119	94	117	94
	Suction temperature		°F	54	36	67	36
	Comp. shell bottom temp.		°F	161	148	170	138
	Ref. pipe length [Total pipe length for multi-system]		ft	25 [75]		25 [50]	
	Refrigerant charge (R454B)		–	6 lb, 3 oz			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	75	43	75	43
	Fan speed		rpm	720	760	720	760
	Airflow		CFM	2,238	2,376	2,238	2,376

9-1. OPERATING RANGE

(1) POWER SUPPLY

	Model		Rating	Guaranteed Voltage
Outdoor unit	**MXZ-2D20NL** **MXZ-3D24NL** **MXZ-4D30NL** **MXZ-5D36NL** **MXZ-5D42NL**	**MXZ-2D20NLHZ** **MXZ-3D24NLHZ** **MXZ-3D30NLHZ**	208/230 V 60 Hz 1ø	Min. 198 V 208 V 230 V Max. 253 V

(2) OPERATION

Function	Intake air temperature / Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A_{Full}" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B_{Full}" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B_{Low}" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at intermediate compressor speed	70	60	35	33
	Very low temperature heating at maximum compressor speed	70	60	5	4

MXZ-2D20NL MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL MXZ-5D42NL
MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ

The standard specifications apply only to the operation of the air conditioner under normal conditions.
Since operating conditions vary according to the areas where these units are installed, the following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve.

(1) GUARANTEED VOLTAGE

198 ~ 253 V 60 Hz

(2) AIR FLOW

Air flow should be set at MAX.

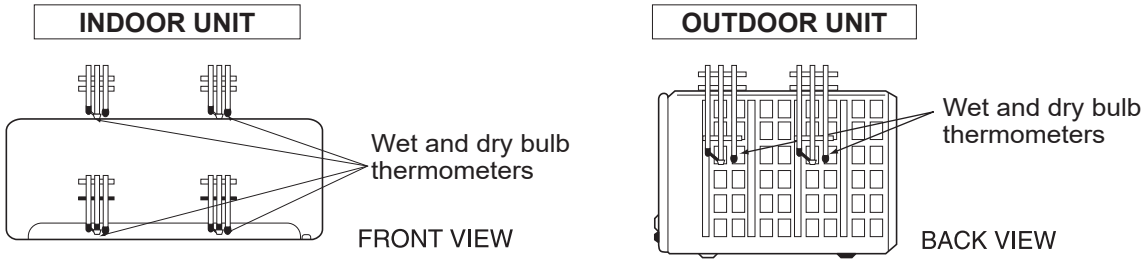
(3) MAIN READINGS

(1) Indoor intake air wet-bulb temperature :	°FWB	Cooling
(2) Indoor outlet air wet-bulb temperature :	°FWB	
(3) Outdoor intake air dry-bulb temperature :	°FDB	
(4) Total input:	W	
(5) Indoor intake air dry-bulb temperature :	°FDB	Heating
(6) Outdoor intake air wet-bulb temperature :	°FWB	
(7) Total input :	W	

Indoor air wet and dry bulb temperature difference on the left side of the following chart shows the difference between the indoor intake air wet and dry bulb temperature and the indoor outlet air wet and dry bulb temperature for your reference at service.

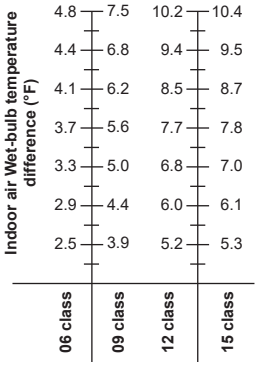
How to measure the indoor air wet and dry bulb temperature difference

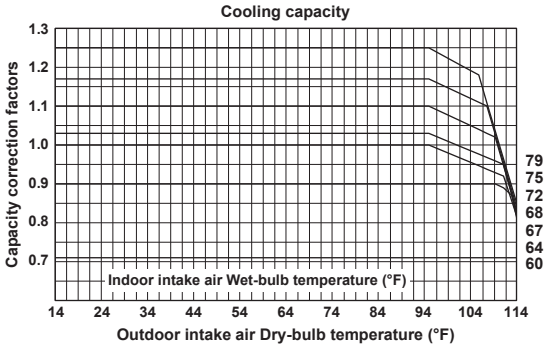
1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake.
   Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
7. 10 minutes later, measure temperature again and check that the temperature does not change.

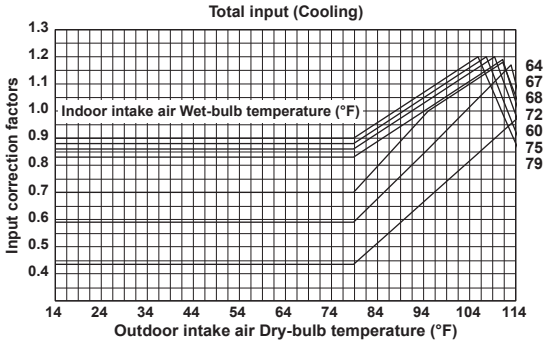


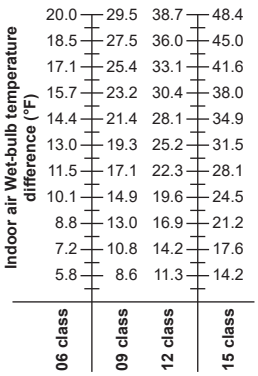
9-2. CAPACITY AND THE INPUT CURVES

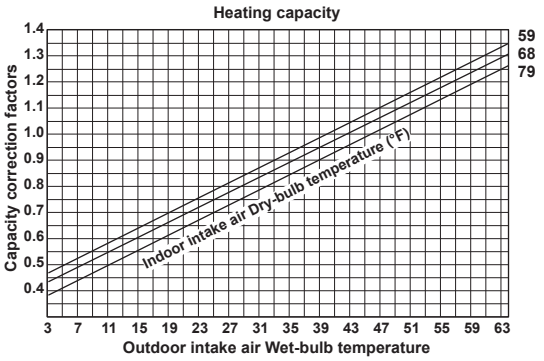
MXZ-2D20NL

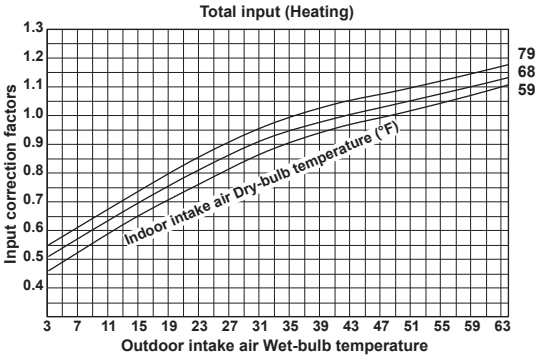




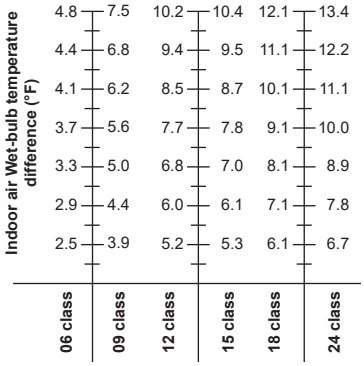


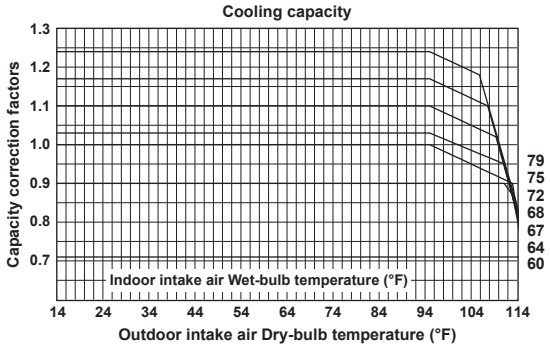


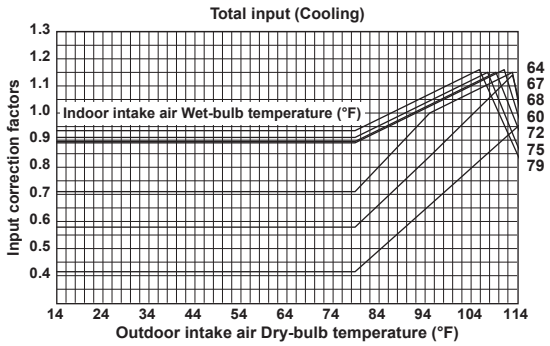


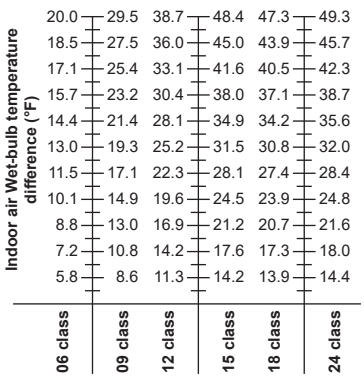


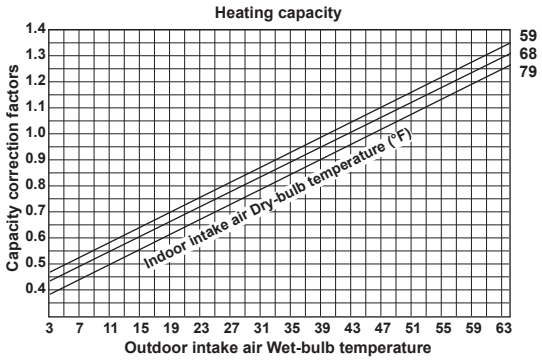
MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL MXZ-5D42NL

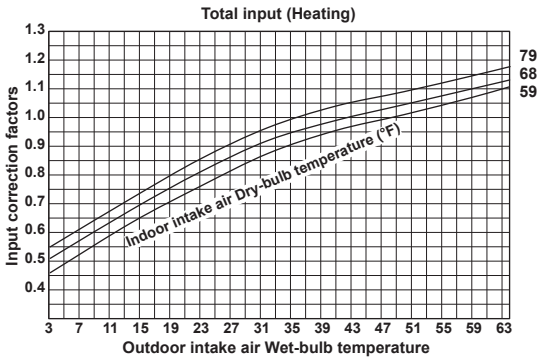




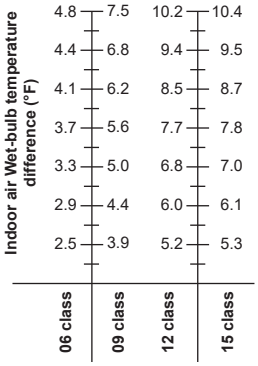


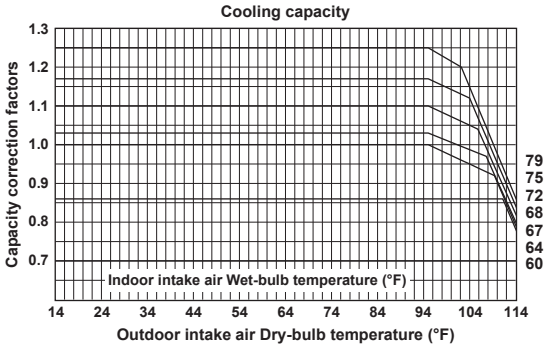


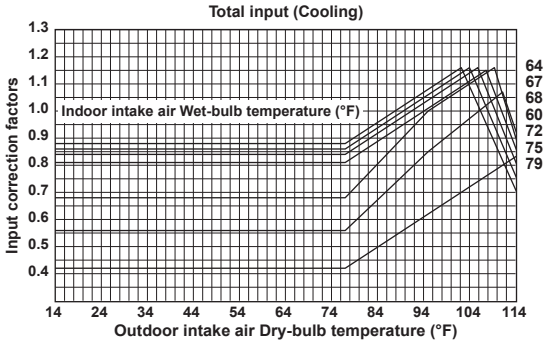


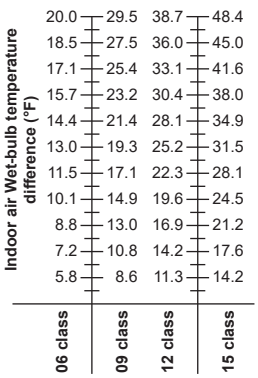


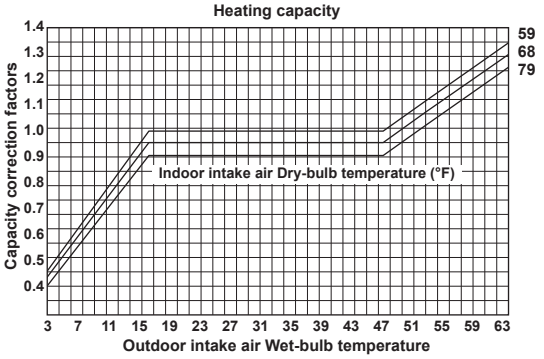
MXZ-2D20NLHZ

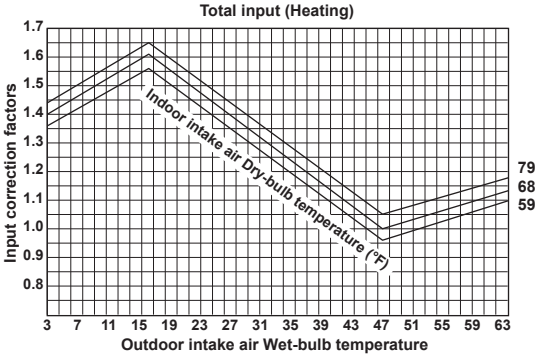




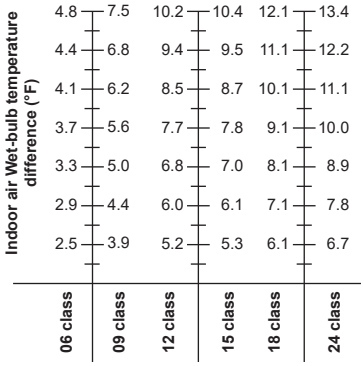


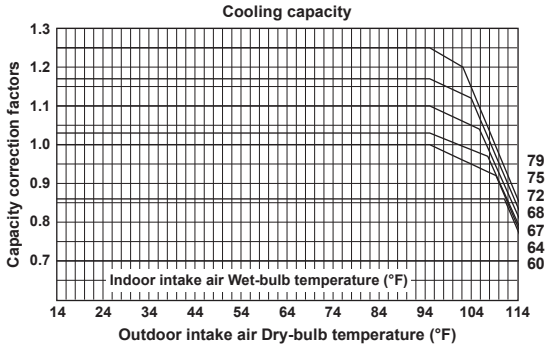


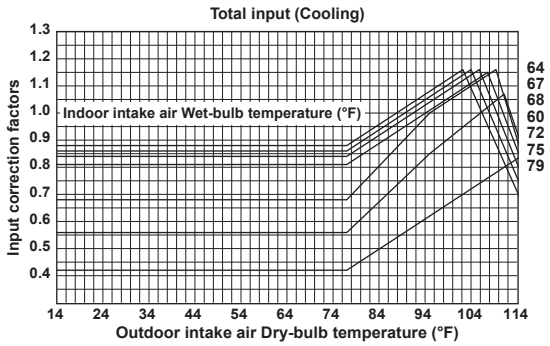


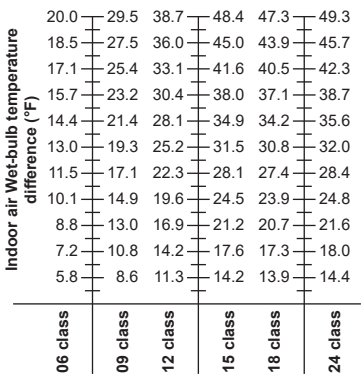


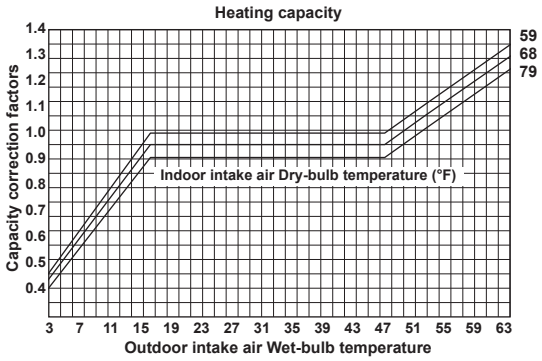
MXZ-3D24NLHZ MXZ-3D30NLHZ

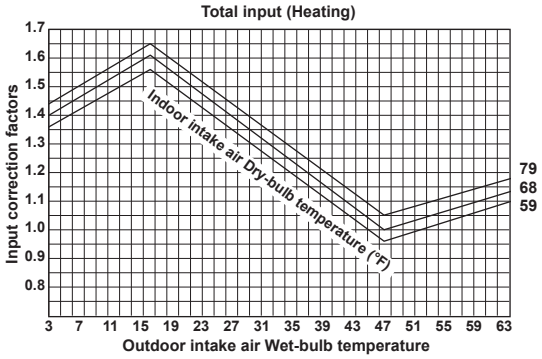






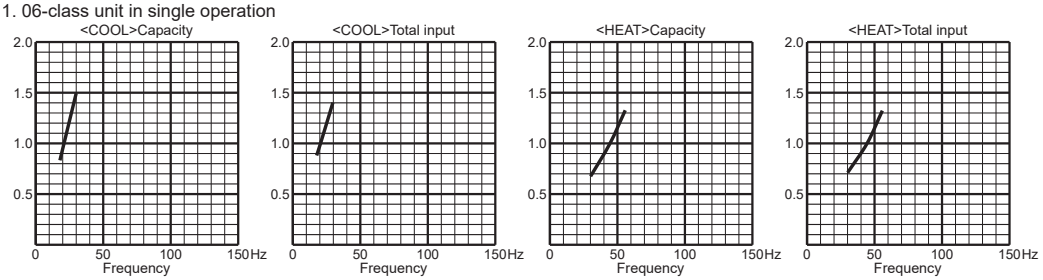




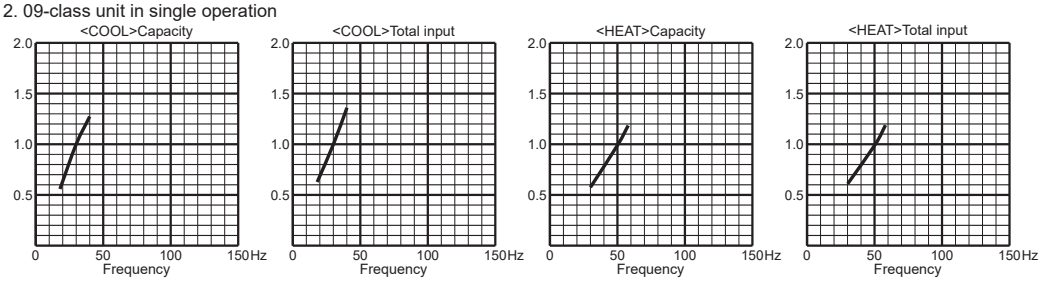


9-3. CAPACITY AND INPUT CORRECTION BY MEANS OF INVERTER OUTPUT FREQUENCY
(OUTDOOR UNIT: MXZ-2D20NL)

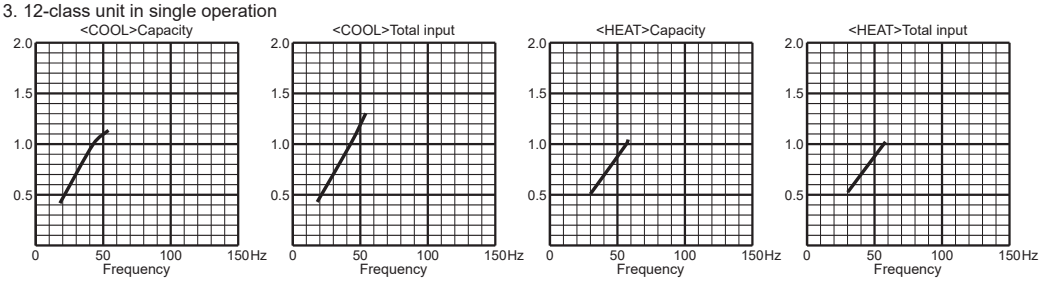
1. 06-class unit in single operation



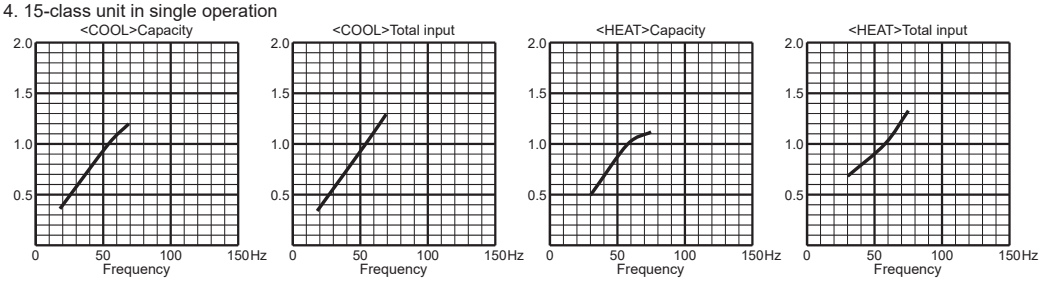
2. 09-class unit in single operation



3. 12-class unit in single operation

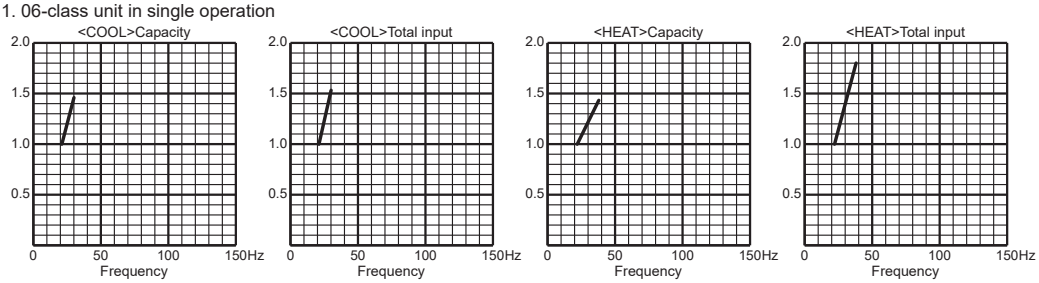


4. 15-class unit in single operation

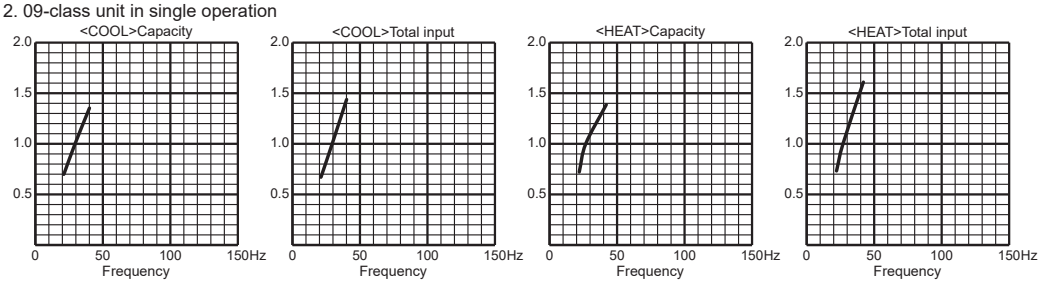


(OUTDOOR UNIT: MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ)

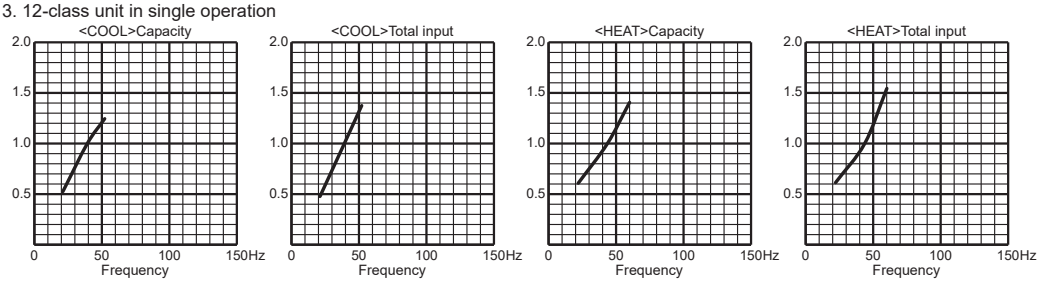
1. 06-class unit in single operation



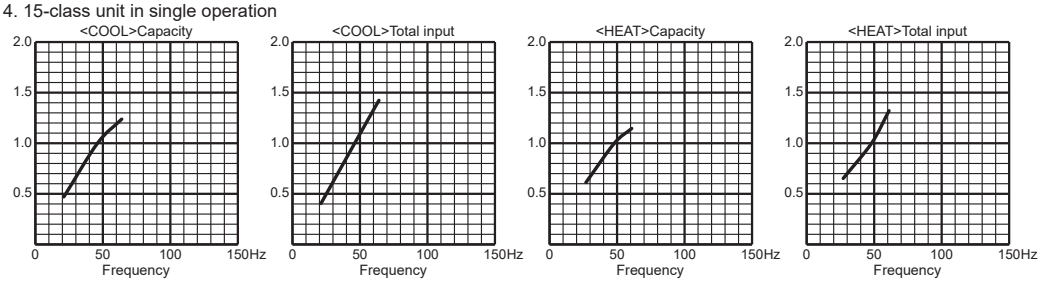
2. 09-class unit in single operation



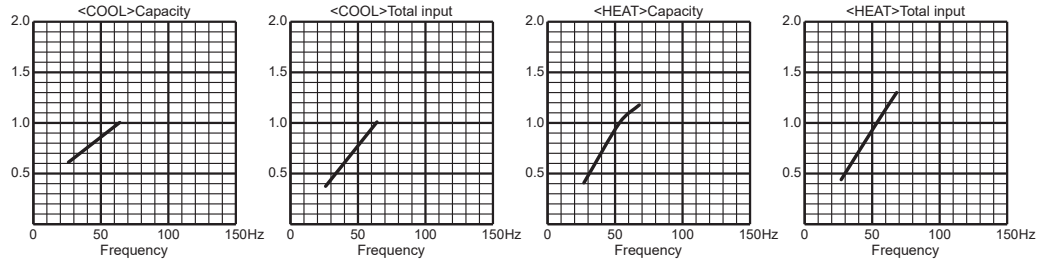
3. 12-class unit in single operation



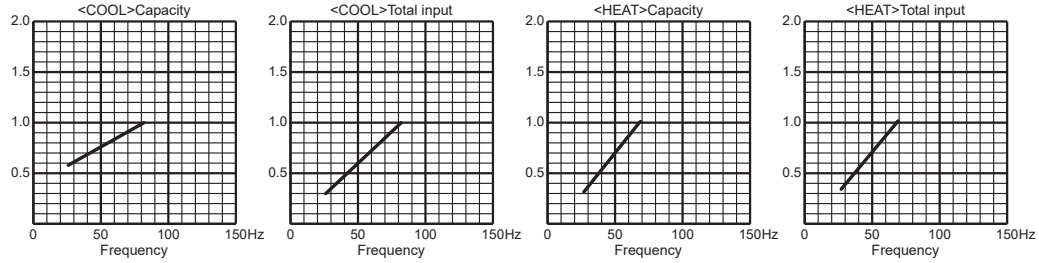
4. 15-class unit in single operation



5. 18-class unit in single operation **(MXZ-3D24/4D30NL only)**

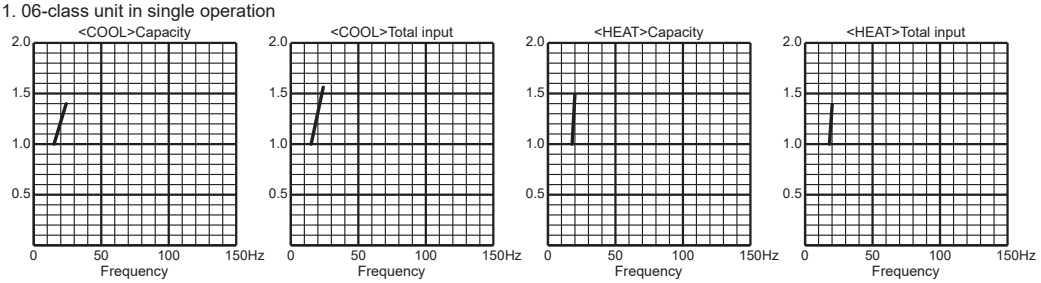


6. 24-class unit in single operation **(MXZ-4D30NL only)**

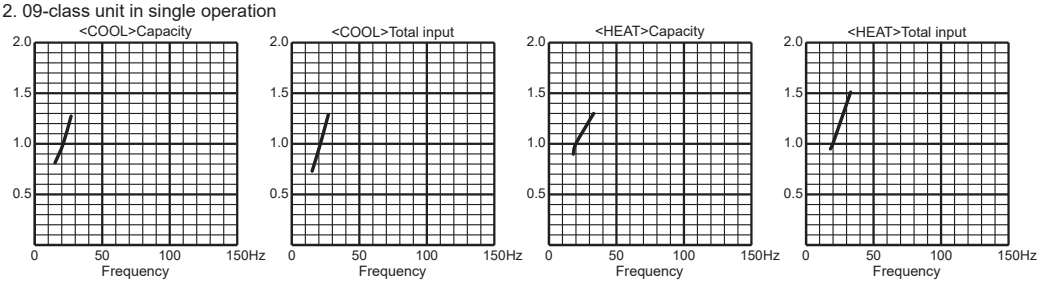


(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ)

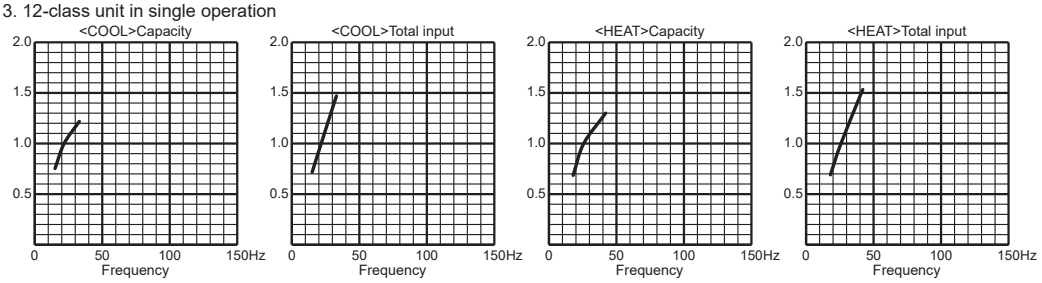
1. 06-class unit in single operation



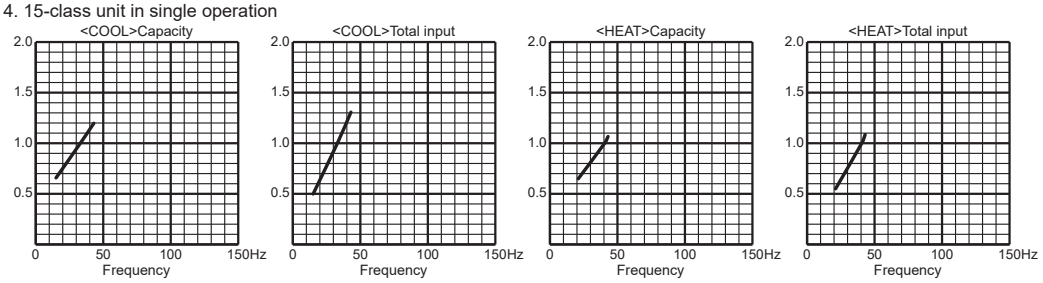
2. 09-class unit in single operation



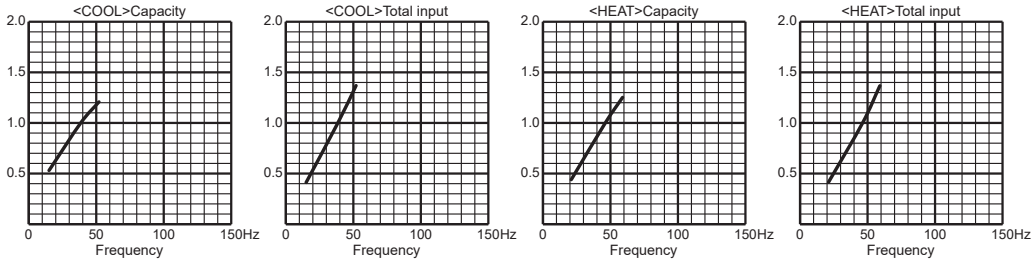
3. 12-class unit in single operation



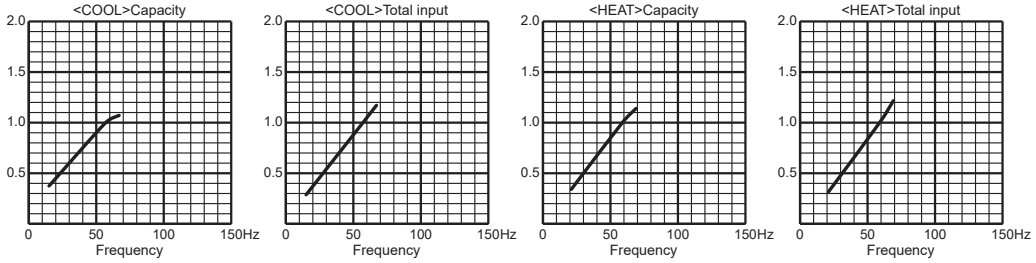
4. 15-class unit in single operation



5. 18-class unit in single operation



6. 24-class unit in single operation **(MXZ-5D36/42NL, MXZ-3D30NLHZ only)**



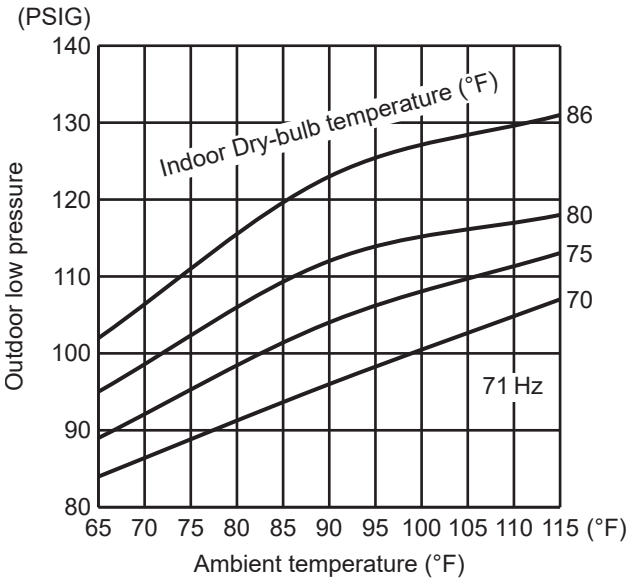
9-4. OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

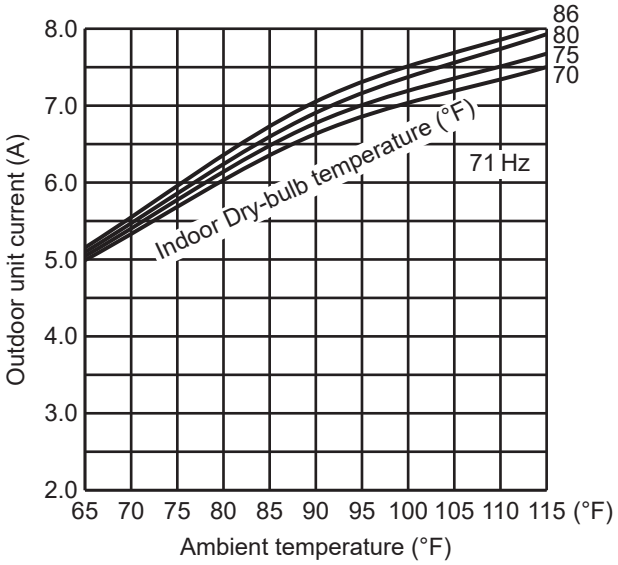
1. 06-class unit in single operation (OUTDOOR UNIT: MXZ-2D20NL)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 71 Hz

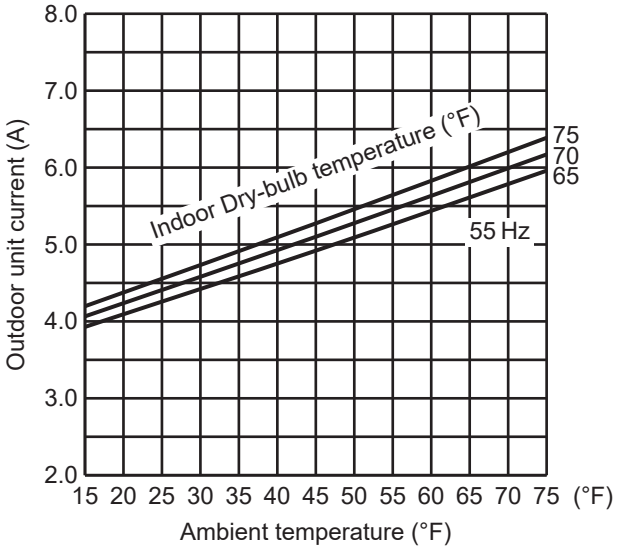
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 71 Hz (COOL) or 55 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency: 55 Hz

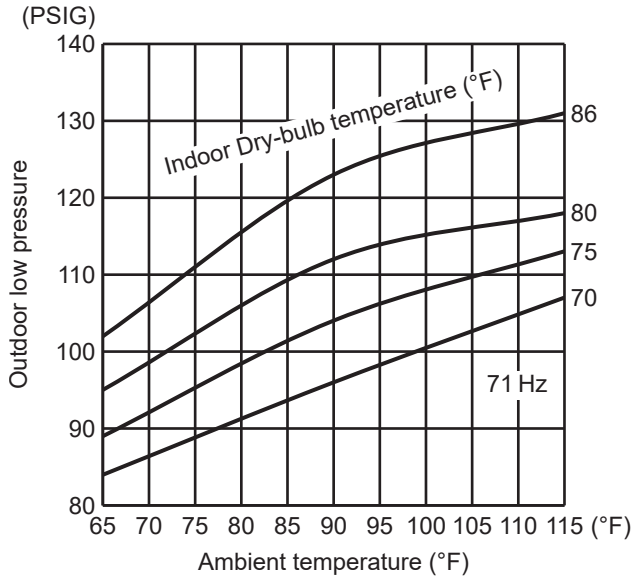


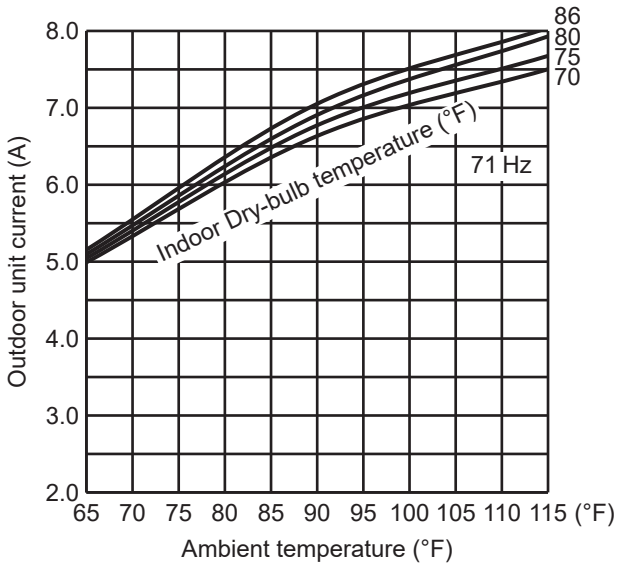
2. 09-class unit in single operation (OUTDOOR UNIT: MXZ-2D20NL)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 71 Hz

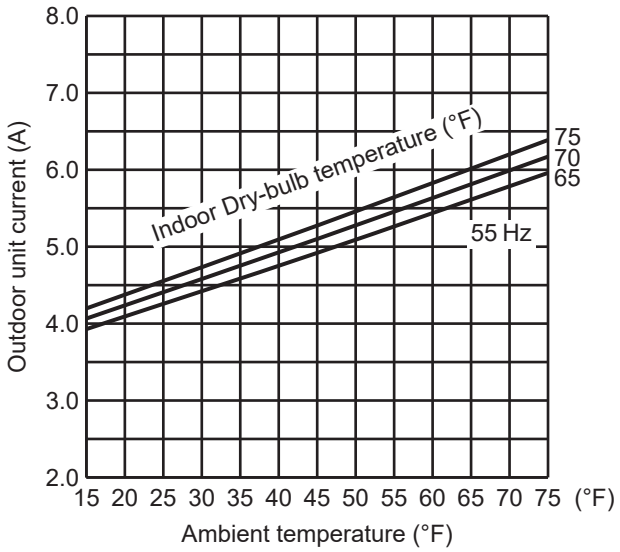
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 71 Hz (COOL) or 55 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency: 55 Hz

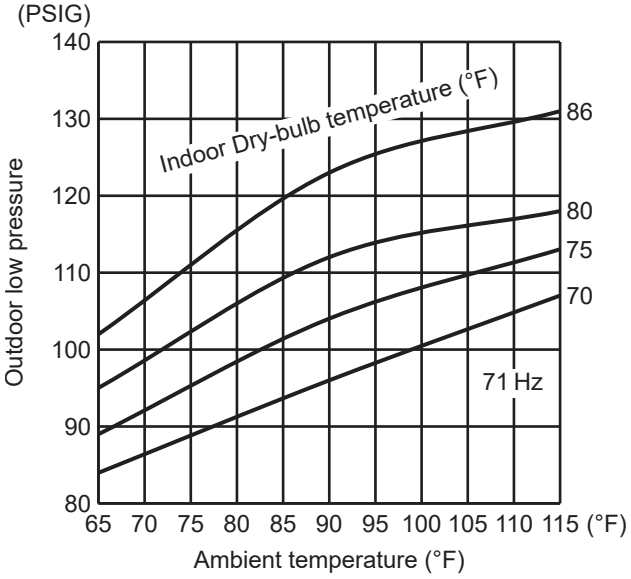


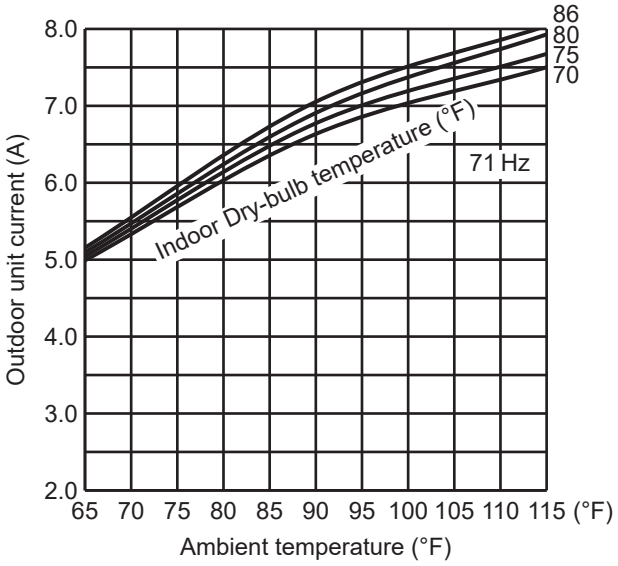
3. 12-class unit in single operation (OUTDOOR UNIT: MXZ-2D20NL)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 71 Hz

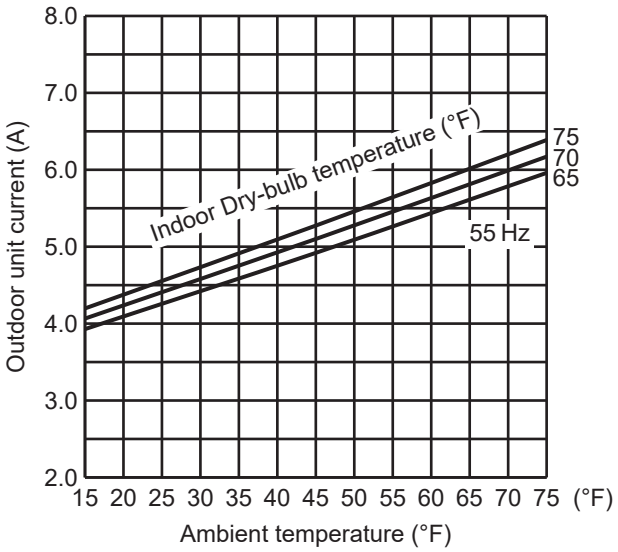
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 71 Hz (COOL) or 55 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency: 55 Hz

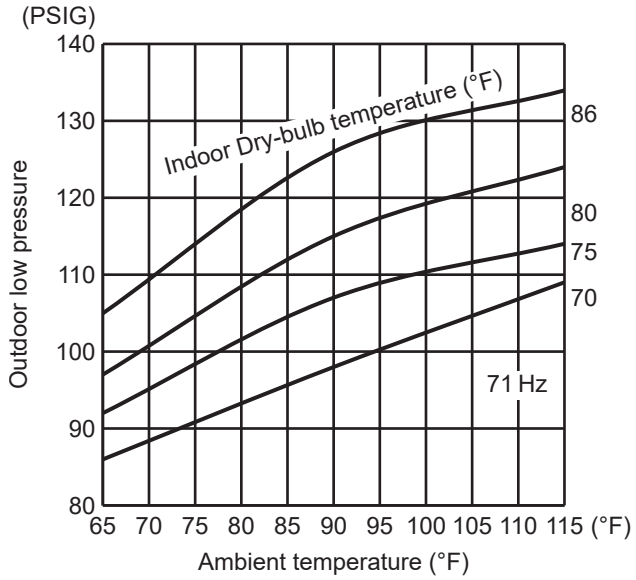


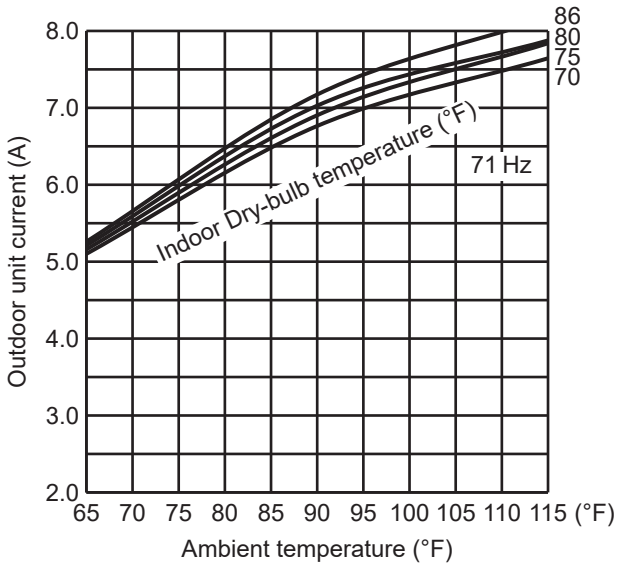
4. 15-class unit in single operation (OUTDOOR UNIT: MXZ-2D20NL)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 71 Hz

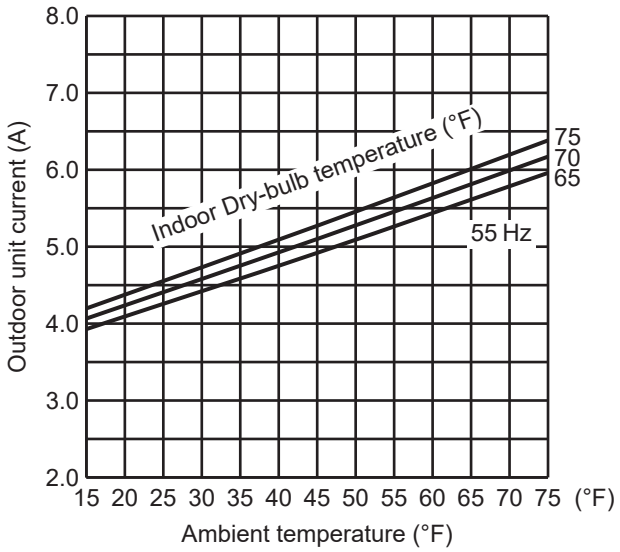
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 71 Hz (COOL) or 55 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of indoor humidity 75%
② Set air flow to High speed.
③ Inverter output frequency: 55 Hz

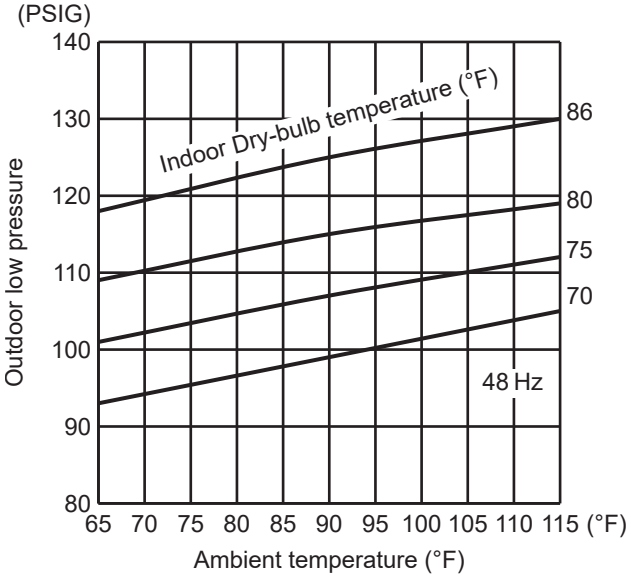


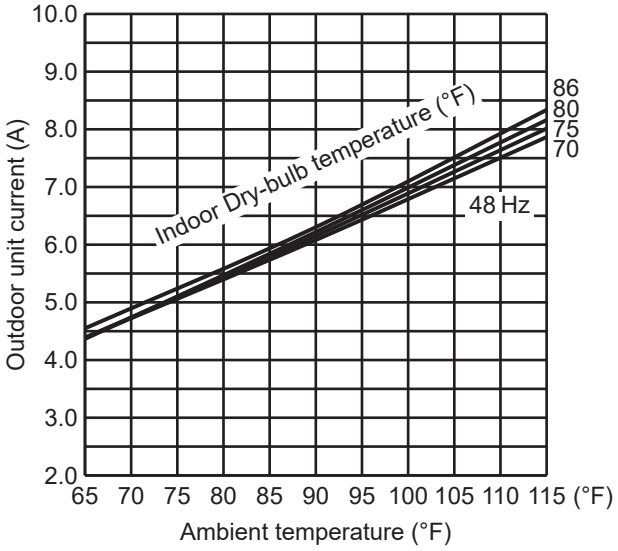
5. 06-class unit in single operation (OUTDOOR UNIT: MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 48 Hz

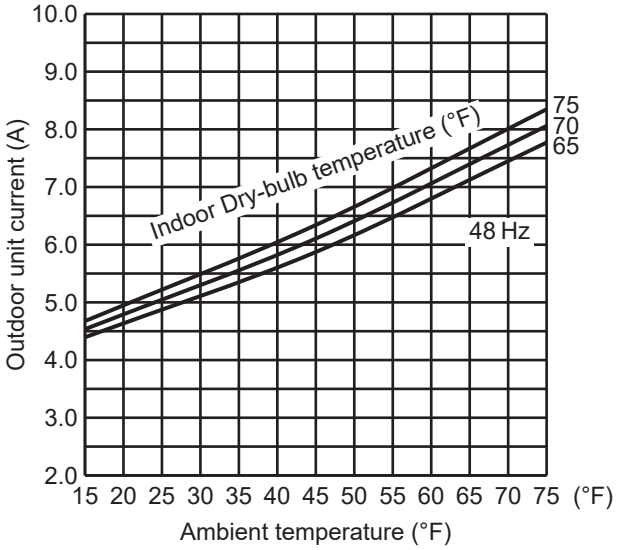
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 48 Hz (COOL or HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

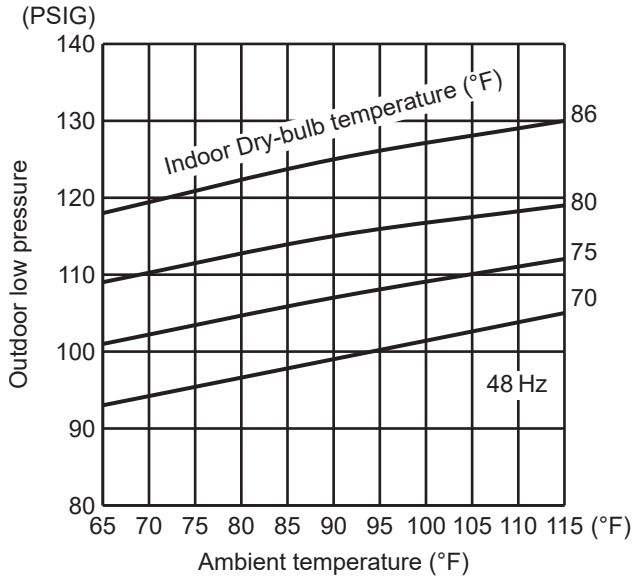


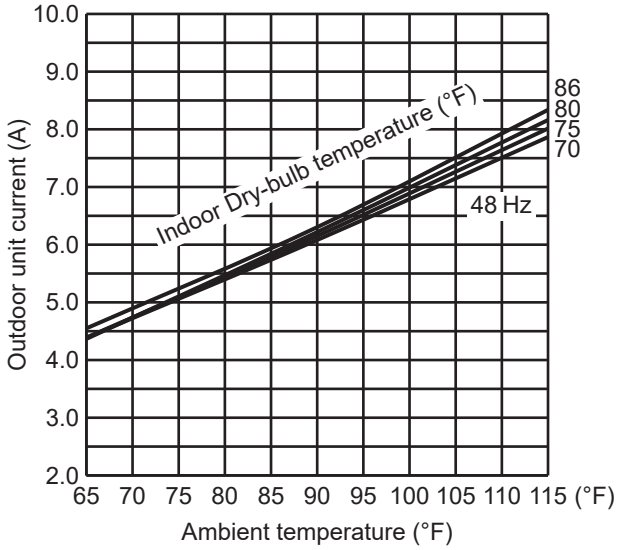
6. 09-class unit in single operation (OUTDOOR UNIT: MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 48 Hz

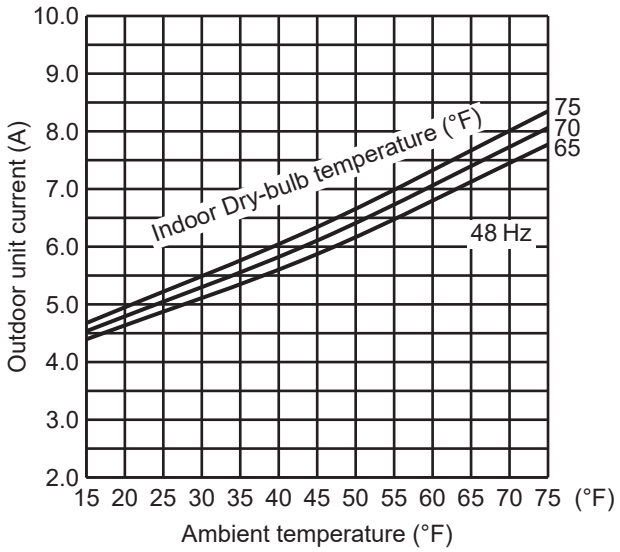
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 48 Hz (COOL or HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

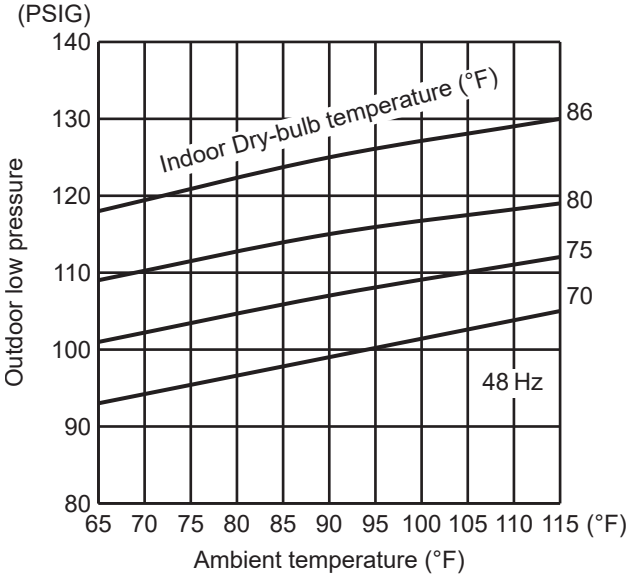


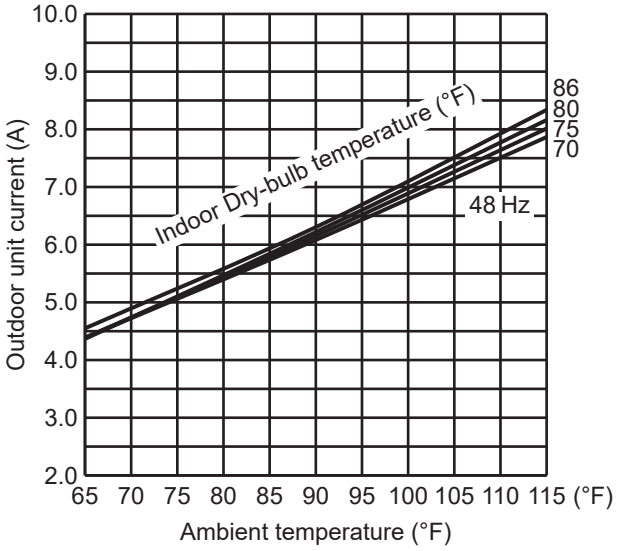
7. 12-class unit in single operation (OUTDOOR UNIT: MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 48 Hz

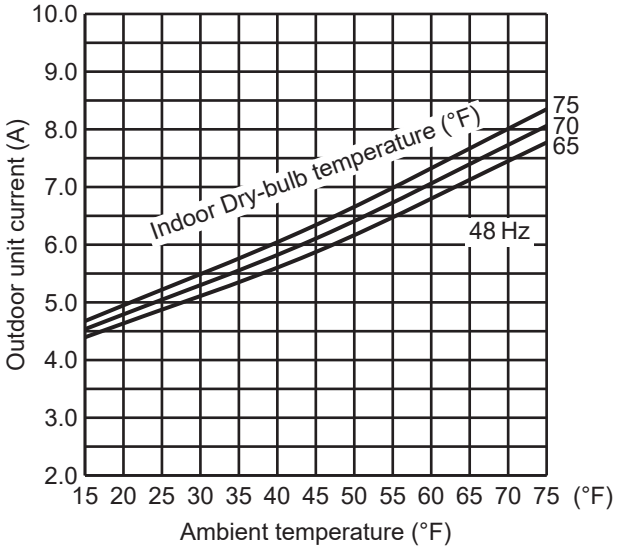
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 48 Hz (COOL or HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

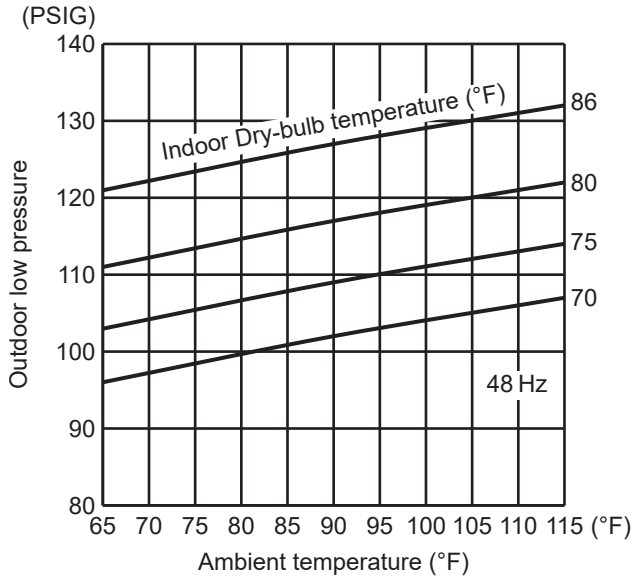


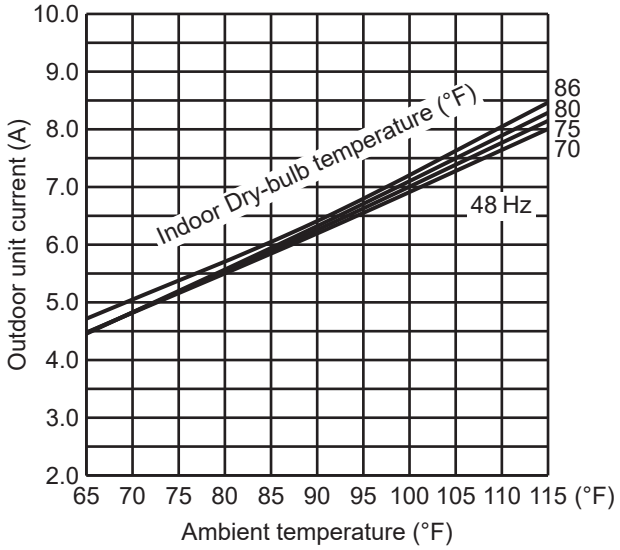
8. 15-class unit in single operation (OUTDOOR UNIT: MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 48 Hz

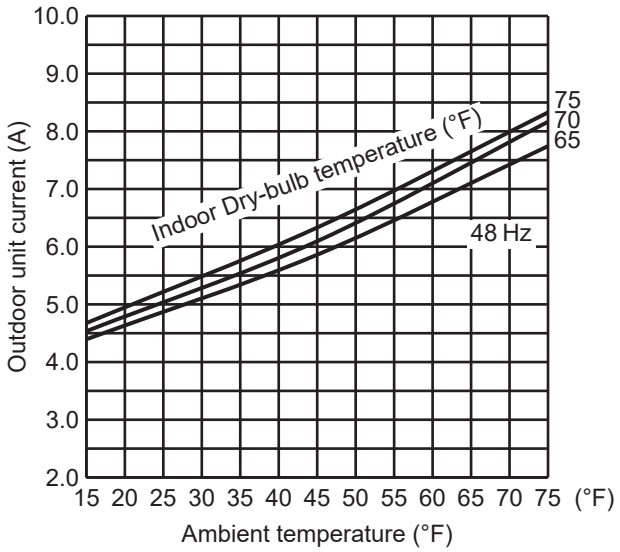
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 48 Hz (COOL or HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

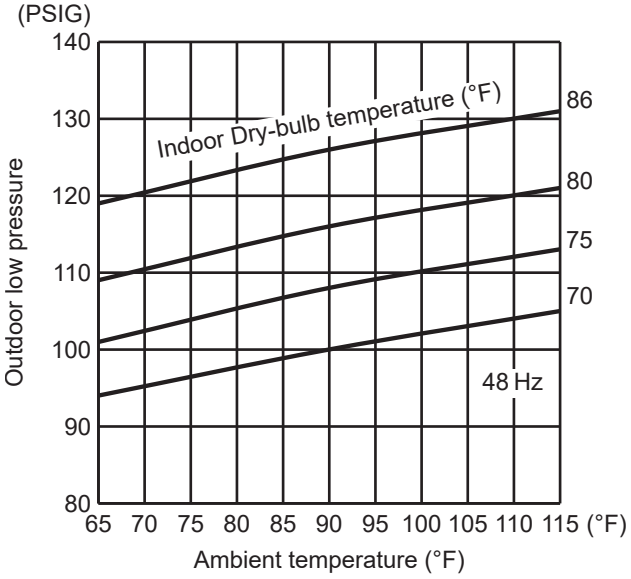


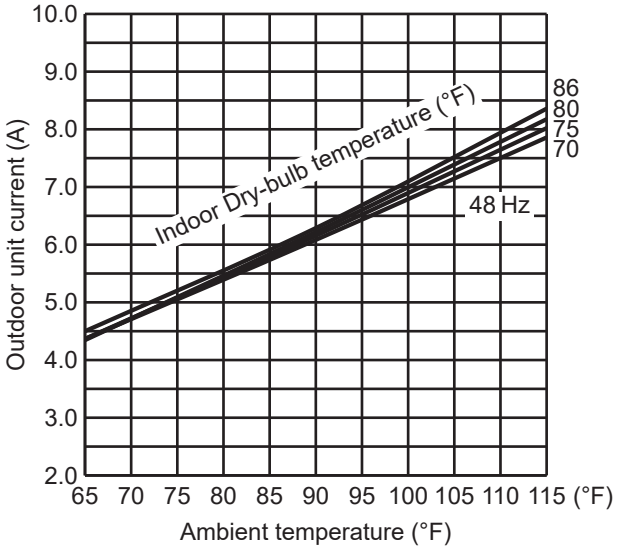
9. 18-class unit in single operation (OUTDOOR UNIT: MXZ-3D24NL MXZ-4D30NL)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 48 Hz

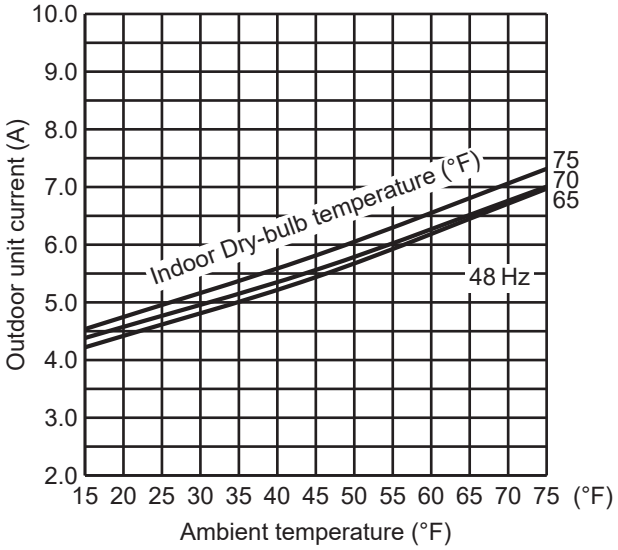
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 48 Hz (COOL or HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

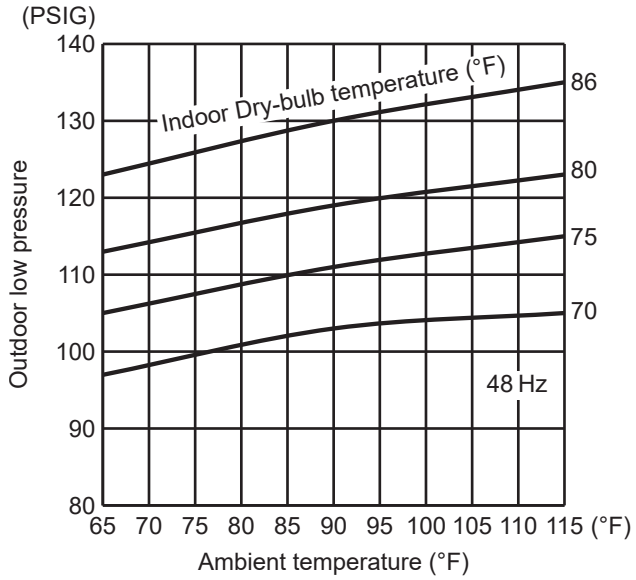


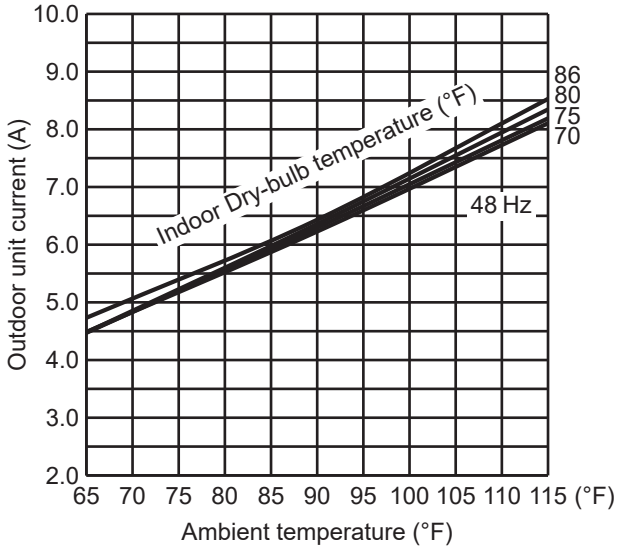
10. 24-class unit in single operation (OUTDOOR UNIT: MXZ-4D30NL)

(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 48 Hz

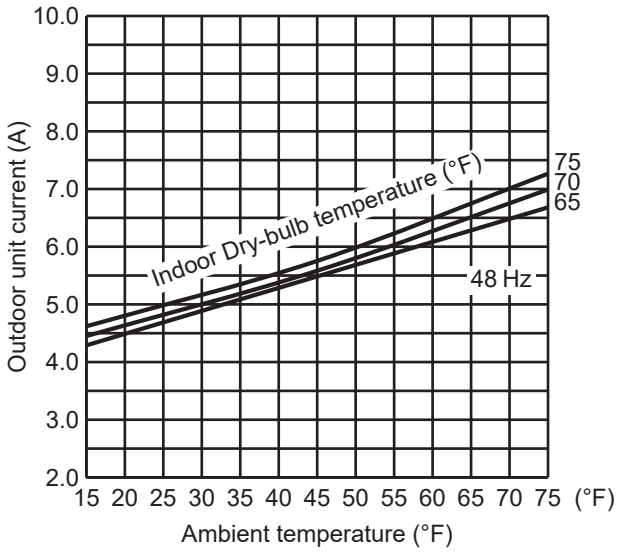
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 48 Hz (COOL or HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

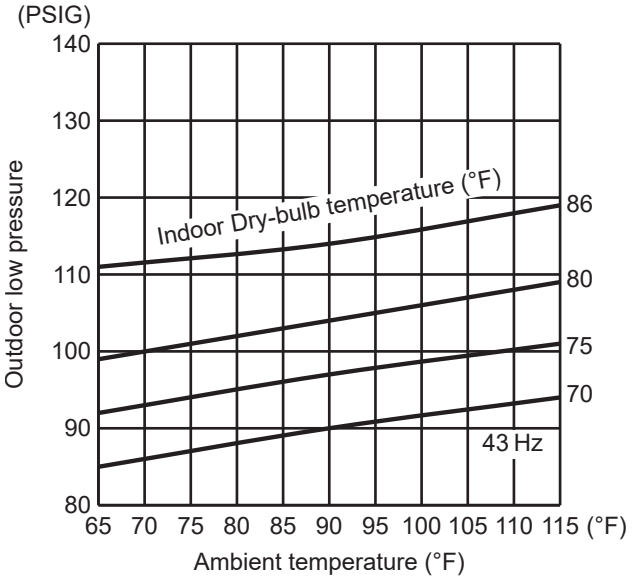
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 48 Hz.

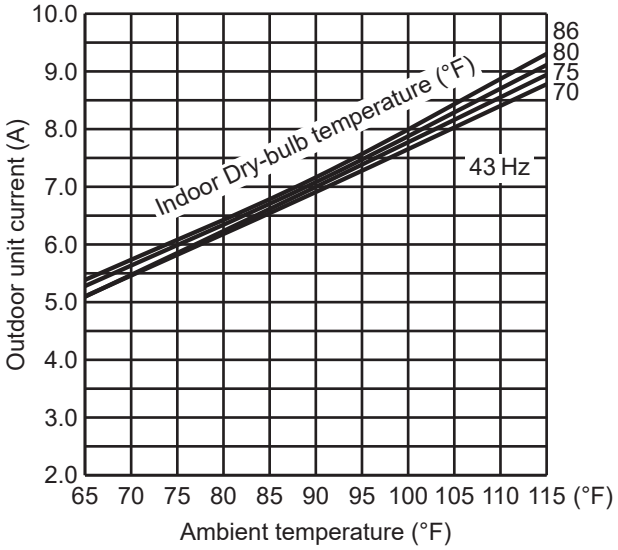


11. 06-class unit in single operation
(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 43 Hz

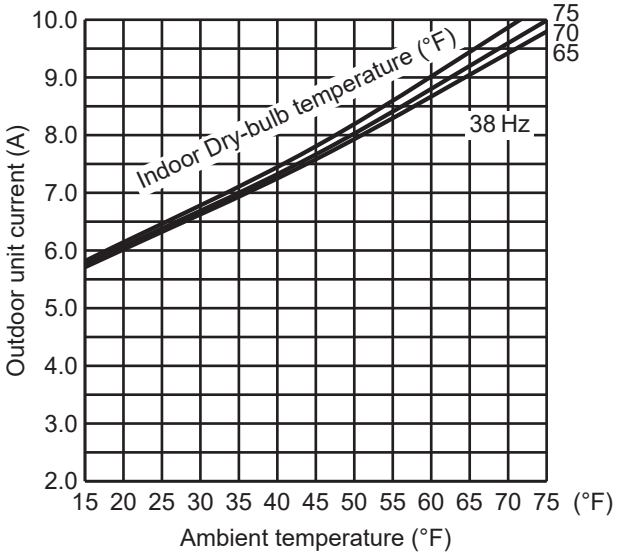
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 43 Hz (COOL) or 38 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

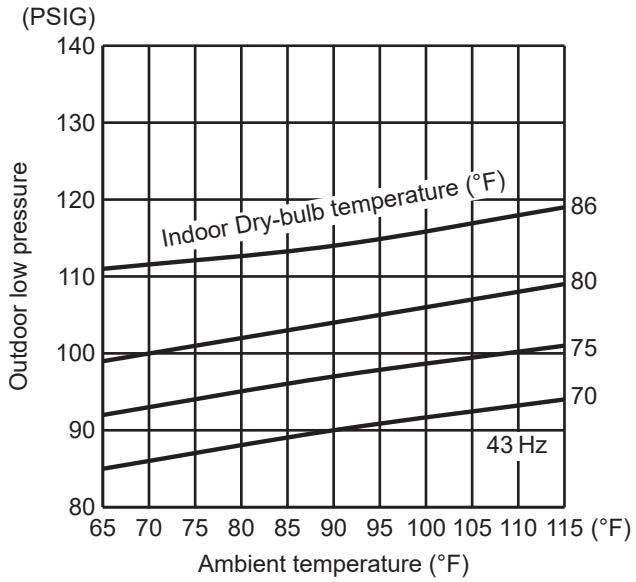
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 38 Hz.

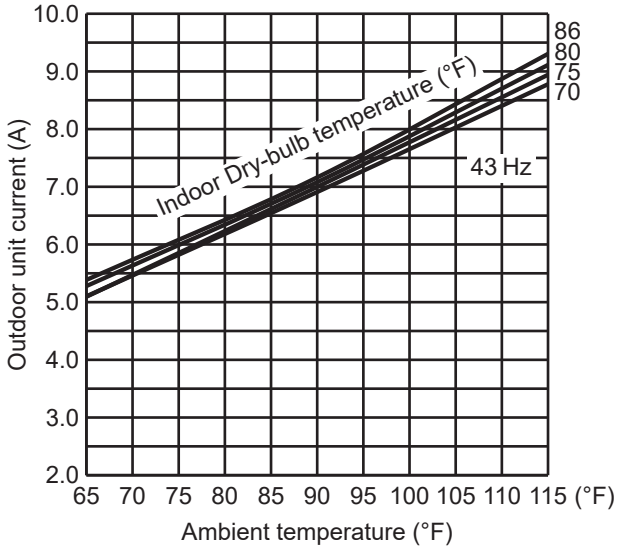


12. 09-class unit in single operation
(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 43 Hz

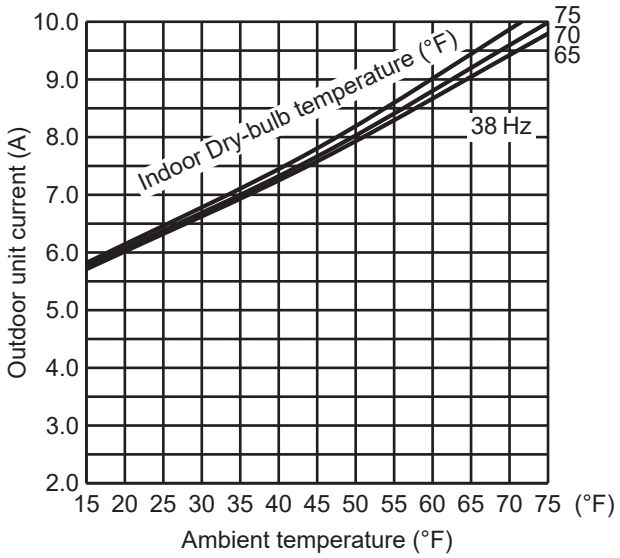
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 43 Hz (COOL) or 38 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

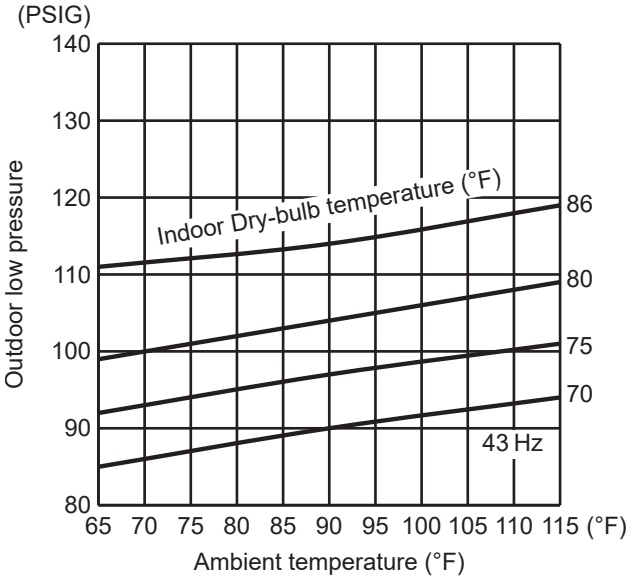
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 38 Hz.

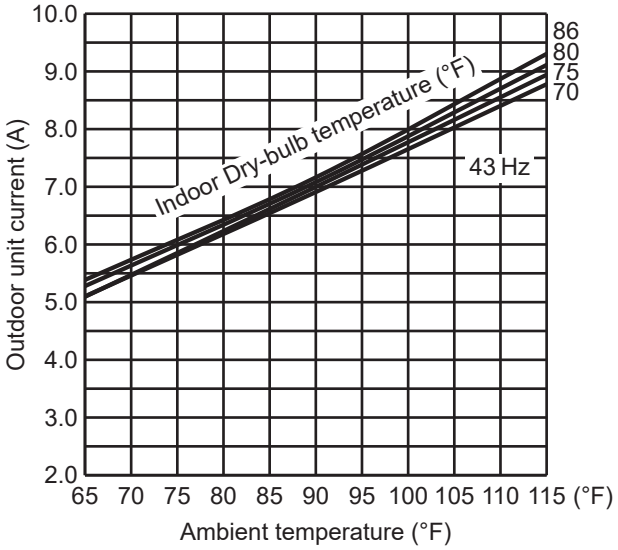


13. 12-class unit in single operation
(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 43 Hz

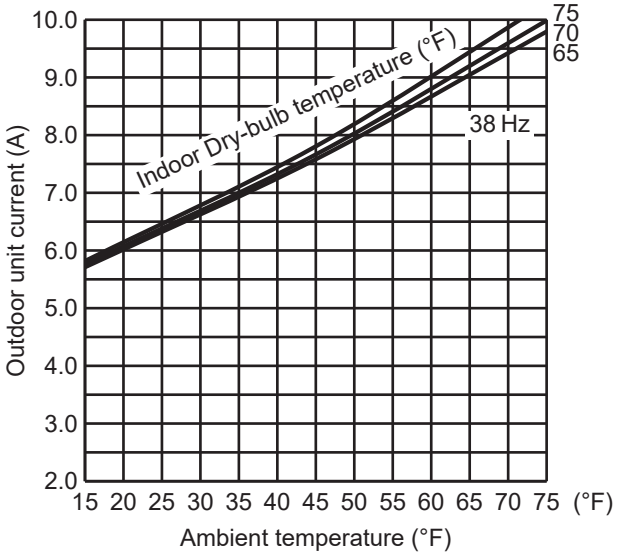
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 43 Hz (COOL) or 38 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

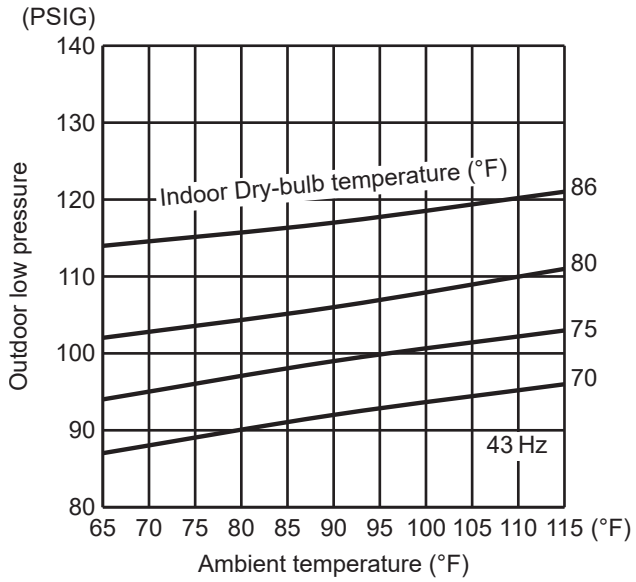
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 38 Hz.

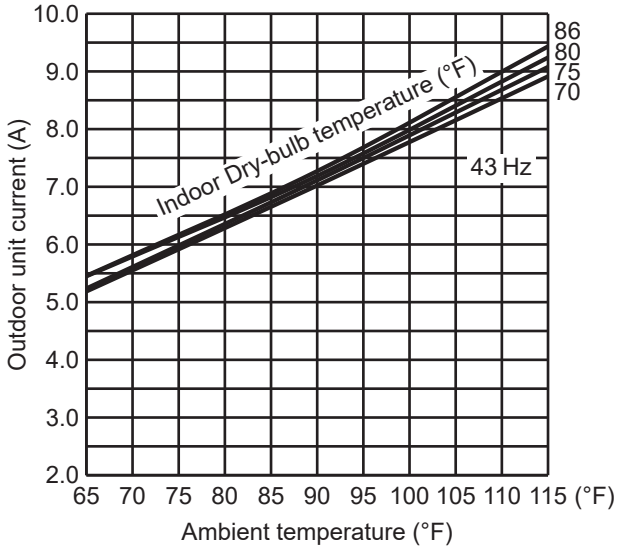


14. 15-class unit in single operation
(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 43 Hz

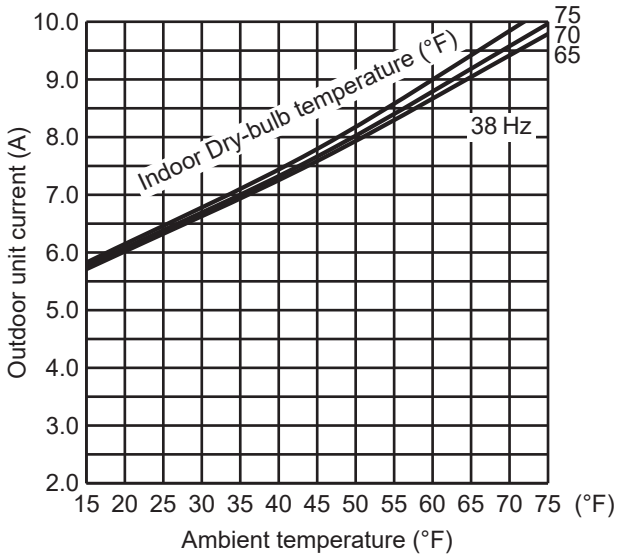
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 43 Hz (COOL) or 38 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

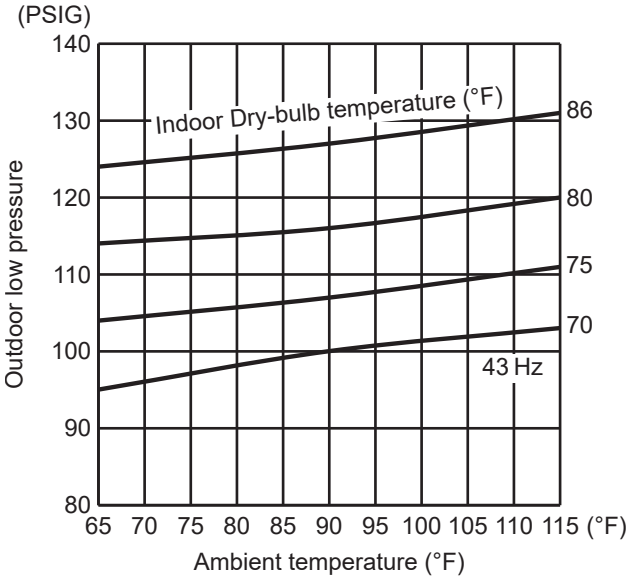
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 38 Hz.

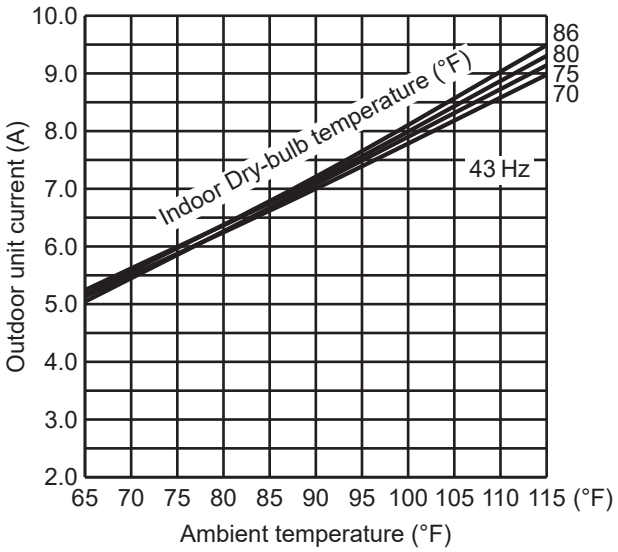


15. 18-class unit in single operation
(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 43 Hz

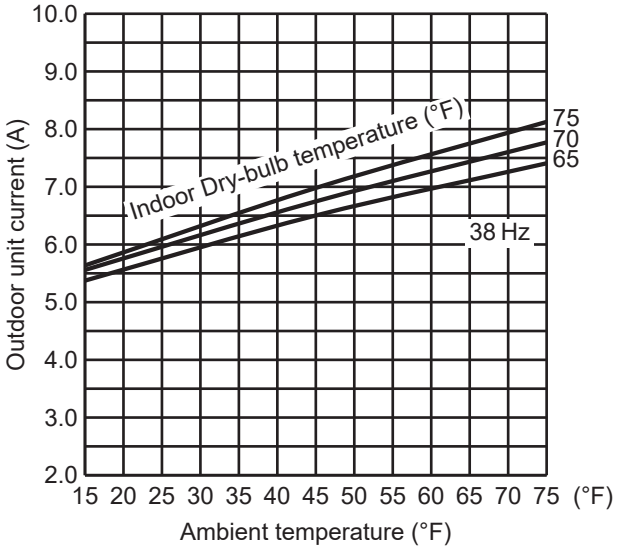
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 43 Hz (COOL) or 38 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

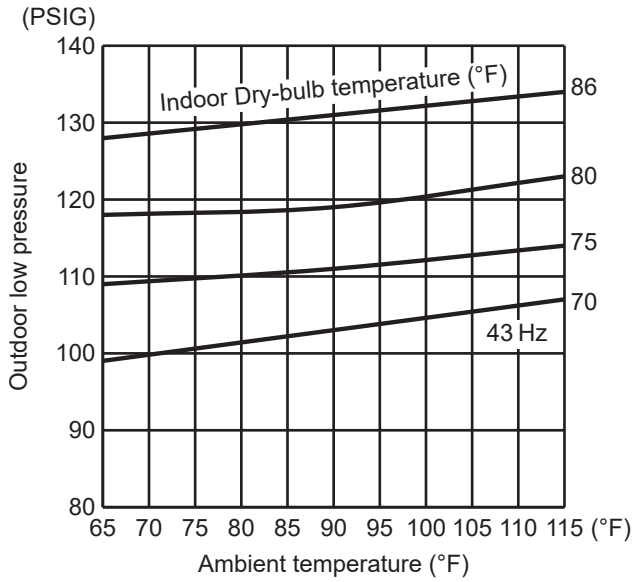
① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 38 Hz.

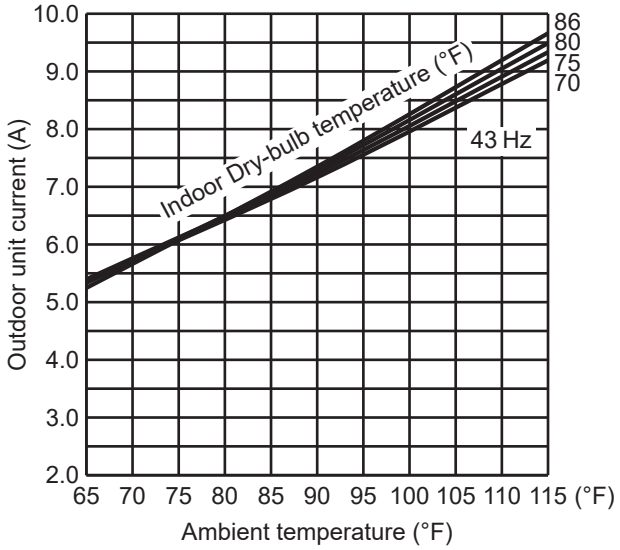


16. 24-class unit in single operation
(OUTDOOR UNIT: MXZ-5D36NL MXZ-5D42NL MXZ-3D30NLHZ)
(1) COOL operation

① Data is based on the condition of indoor humidity 50%
② Air flow speed: High
③ Inverter output frequency: 43 Hz

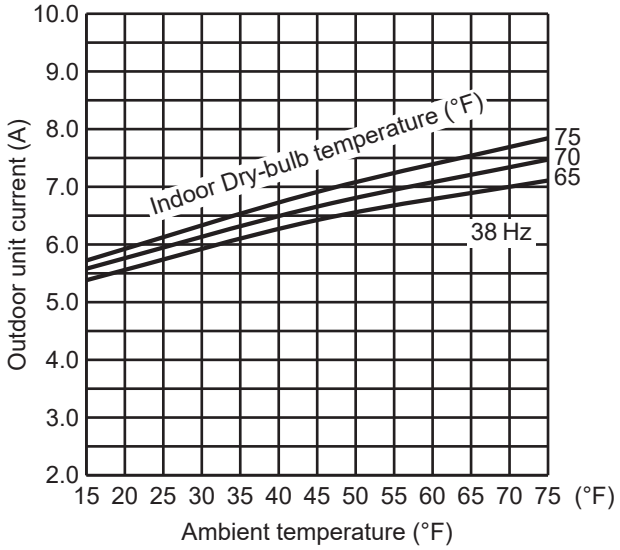
<How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 43 Hz (COOL) or 38 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

① Data is based on the condition of outdoor humidity 75%.
② Set air flow to High speed.
③ Inverter output frequency is 38 Hz.



10 ACTUATOR CONTROL

MXZ-2D20NL MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL MXZ-5D42NL
MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ

Relation between main sensor and actuator

Sensor	Purpose	Actuator					
		Compressor	LEV	Outdoor fan motor	4-way valve	2-way solenoid valve	Defrost heater
						MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ	**MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ**
Discharge temperature thermistor	Protection	○	○				
Indoor coil temperature thermistor	Cooling: Coil frost prevention	○				○	
	Heating: High pressure protection	○	○			○	
Defrost thermistor	Heating: Defrosting	○	○	○	○		
Fin temperature thermistor	Protection	○		○			
Ambient temperature thermistor	Control/Protection	○	○	○		○	
	Heating: Defrosting (Heater)			○			○
Outdoor heat exchanger temperature thermistor	Cooling: Control/ Protection	○	○	○		○	
Capacity code	Control	○	○				

11 SERVICE FUNCTIONS

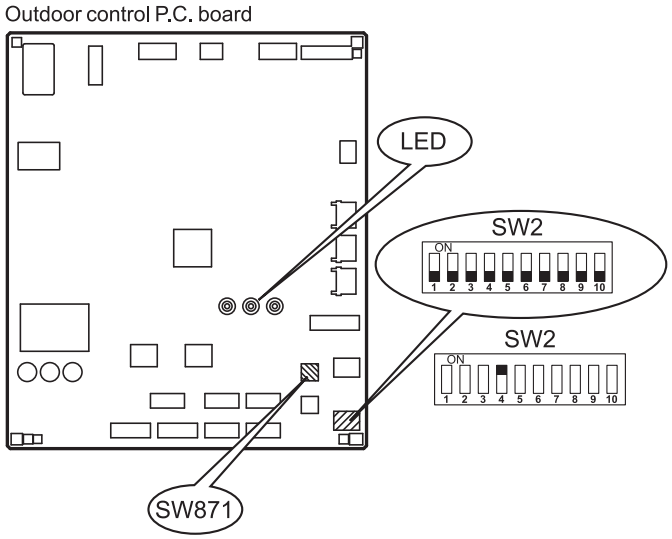
MXZ-2D20NL MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL MXZ-5D42NL
MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ

11-1. PRE-HEAT CONTROL

If moisture gets into the refrigerant cycle, or when refrigerant is liquefied and collected in the compressor, it may interfere the startup of the compressor.
To improve start-up condition, the compressor is energized even while it is not operating.
This is to generate heat at the winding.
The compressor uses about 50 W when pre-heat control is turned ON.
Pre-heat control is ON at initial setting.

[How to deactivate pre-heat control]

① Turn OFF the power supply for the air conditioner before making the setting.
② Set the “4” of SW2 on the outdoor control P.C. board to ON to deactivate pre-heat control function.



③ Turn ON the power supply for the air conditioner.

NOTE: Pre-heat control will be turned OFF when the breaker is turned OFF.

11-2. AUTO LINE CORRECTING

Outdoor unit has an auto line correcting function which automatically detects and corrects improper wiring or piping.

Improper wiring or piping can be automatically detected by pressing the piping/wiring correction switch (SW871).
When improper wiring or piping is detected, wiring lines are corrected.
This will be completed in about 10 to 20 minutes.

[How to activate this function]

1. Check that outside temperature is above 32˚F.
   (This function does not work when outside temperature is not above 32˚F.)
2. Check that the stop valves of the liquid pipe and gas pipe are open.
3. Check that the wiring between indoor and outdoor unit is correct.
   (If the wiring is not correct, this function does not work.)
4. Turn ON the power supply and wait at least 1 minute.
5. Press the piping/wiring correction switch (SW871) on the outdoor control P.C. board.
   Do not touch energized parts.

   LED indication during detection:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)
Lit	Lit	Once

   LED indication after detection:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)	Indication
Lit	Not lit	Lit	Completed (Problem corrected/ nomal)
Once	Once	Once	Not completed (Detection failed)
Other indications			Refer to “SAFETY PRECAUTIONS WHEN LED BLINKS” located behind the service panel.

   * Make sure that the valves are open and the pipes are not collapsed or clogged.
6. Press the switch to cancel.

   LED indication after cancel :

LED1 (Red)	LED2 (Yellow)	LED3 (Green)
Lit	Lit	Not lit

NOTE : Indoor unit cannot be operated while this function is activated.
When this function is activated while indoor unit is operating, the operation will be stopped.
Operate indoor unit after the auto line correcting is finished.
Pressing the switch during detection cancels this function.

The record of auto line correcting can be confirmed in the following way:

Press the switch for more than 5 seconds.
LED will show the record of auto correcting for about 30 seconds as shown in the table below:

Number of blinks			Wiring line
LED1 (Red)	LED2 (Yellow)	LED3 (Green)	
Once	Once	Lit	Not corrected
3 times	3 times	Lit	Corrected

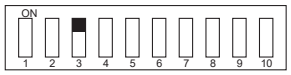
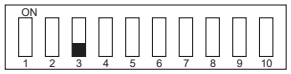
NOTE: Activate this function to confirm the correct wiring after replacing the outdoor control P.C. board.
(Previous records are deleted when the outdoor control P.C. board is replaced.)
The record cannot be shown if auto line correcting is not canceled (Refer to “How to activate this function”).

11-3. CHANGING THE SET REFRIGERANT EVAPORATING TEMPERATURE

NOTE: If you lower the refrigerant evaporating temperature with the windows open, it may cause condensation to form.

[How to change the refrigerant evaporating temperature]
(1) Make sure there is no possibility of causing condensation to form before making the setting.
(2) Make the setting referring to the table below.

SW2 on the outdoor control P.C. board

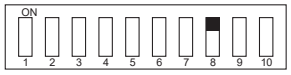
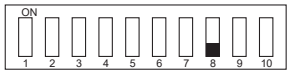
SW2	**MXZ-2D20NL MXZ-2D20NLHZ MXZ-3D24NL MXZ-3D24NLHZ MXZ-4D30NL MXZ-3D30NLHZ MXZ-5D36NL MXZ-5D42NL**
	42.8 °F (6 °C)
	Normal control (Factory setting)

11-4. Change the operation of other indoor units when miswiring or serial signal error occurs

To ensure the safety of systems that use flammable refrigerants, the system is set to operation stop if miswiring or serial signal error occurs.
This can be temporarily disabled by switching the DIP switch during service.

[Setting method]
Set the DIP switch as instructed in the table below.

SW2 on the outdoor control P.C. board

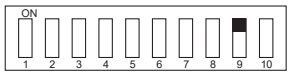
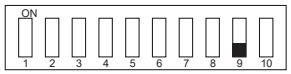
SW2	State
	If an indoor unit is incorrectly wired or has a serial signal error, other properly working units can operate.
	If an indoor unit is incorrectly wired or has a serial signal error, other properly working units stop abnormally. (UL60335 2-40)

NOTE: This mode setting is recommended when servicing for miswiring or serial signal error.
Be sure to return the DIP switch to the OFF position after servicing.

11-5. Change the LEV pulse during defrosting operation

[Setting method]
Set the DIP switch as instructed in the table below.

SW2 on the outdoor control P.C. board

SW2	State
	The LEV pulse of the indoor unit while heating operation is paused: Close
	The LEV pulse of the indoor unit while heating operation is paused: Slightly open

12 TROUBLESHOOTING

MXZ-2D20NL MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL MXZ-5D42NL
MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ

12-1. CAUTIONS ON TROUBLESHOOTING

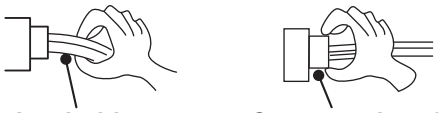
1. Before troubleshooting, check the following:

1) Check the power supply voltage.
2) Check the indoor/outdoor connecting wire for miswiring.

2. Take care of the following during servicing.

1) Before servicing the air conditioner, be sure to turn OFF the unit first with the remote controller, and then after confirming the horizontal vane is closed, turn OFF the breaker and/or disconnect the power plug.
2) Be sure to turn OFF the power supply before removing the front panel, the cabinet, the top panel, and the outdoor control P.C. board.
3) When removing the electrical parts, be careful of the residual voltage of smoothing capacitor.
4) When removing the electronic control P.C. board, hold the edge of the board with care NOT to apply stress on the components.
5) When connecting or disconnecting the connectors, hold the connector housing. DO NOT pull the lead wires.

<Incorrect> <Correct>



Lead wiring **Connector housing**

3. Troubleshooting procedure

1) Check if the OPERATION INDICATOR lamp on the indoor unit is blinking on and off to indicate an abnormality. To make sure, check how many times the OPERATIONAL INDICATOR lamp is blinking on and off before starting service work.
2) When the outdoor control P.C. board seems to be defective, check for disconnection of the copper foil pattern and burnt or discolored components.
3) When troubleshooting, refer to 12-2, 12-3 and 12-4.

12-2. FAILURE MODE RECALL FUNCTION

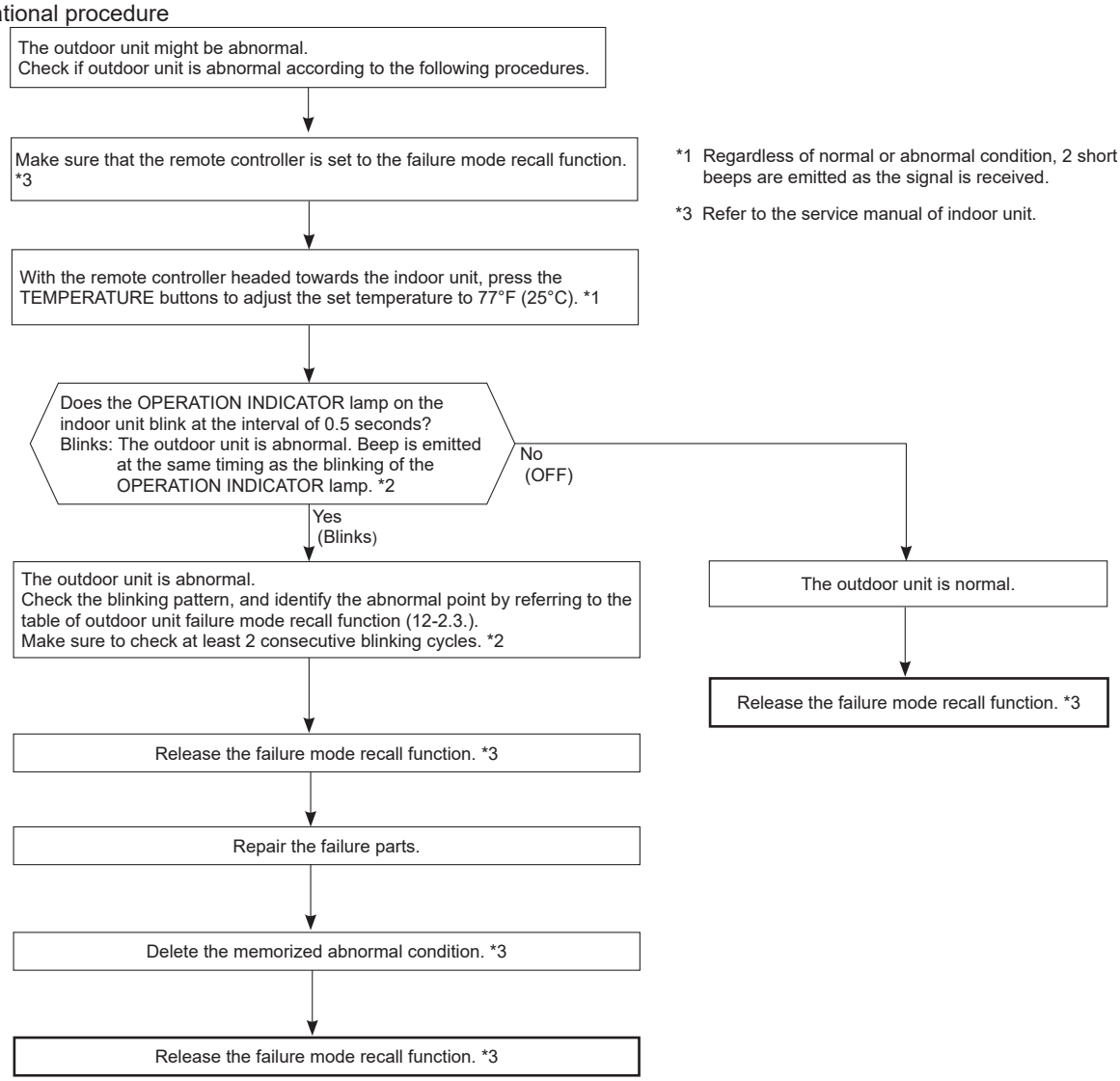
This air conditioner can memorize the abnormal condition which has occurred once.
Even though LED indication listed on the troubleshooting check table (12-4) disappears, the memorized failure details can be recalled.

1. Flow chart of failure mode recall function for the indoor/outdoor unit

Refer to the service manual of indoor unit.

2. Flow chart of the detailed outdoor unit failure mode recall function

Operational procedure

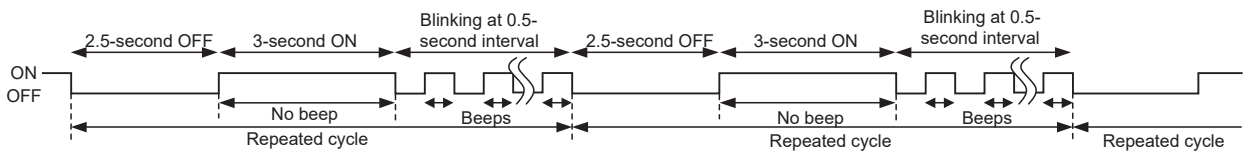


*1 Regardless of normal or abnormal condition, 2 short beeps are emitted as the signal is received.

*3 Refer to the service manual of indoor unit.

NOTE: 1. Make sure to release the failure mode recall function after it is set up, otherwise the unit cannot operate properly.
2. If the abnormal condition is not deleted from the memory, the last abnormal condition is kept memorized.

*2.Blinking pattern when outdoor unit is abnormal:



3. Table of outdoor unit failure mode recall function

NOTE: Blinking patterns of this mode differ from the ones of TROUBLESHOOTING CHECK TABLE (12-4.).

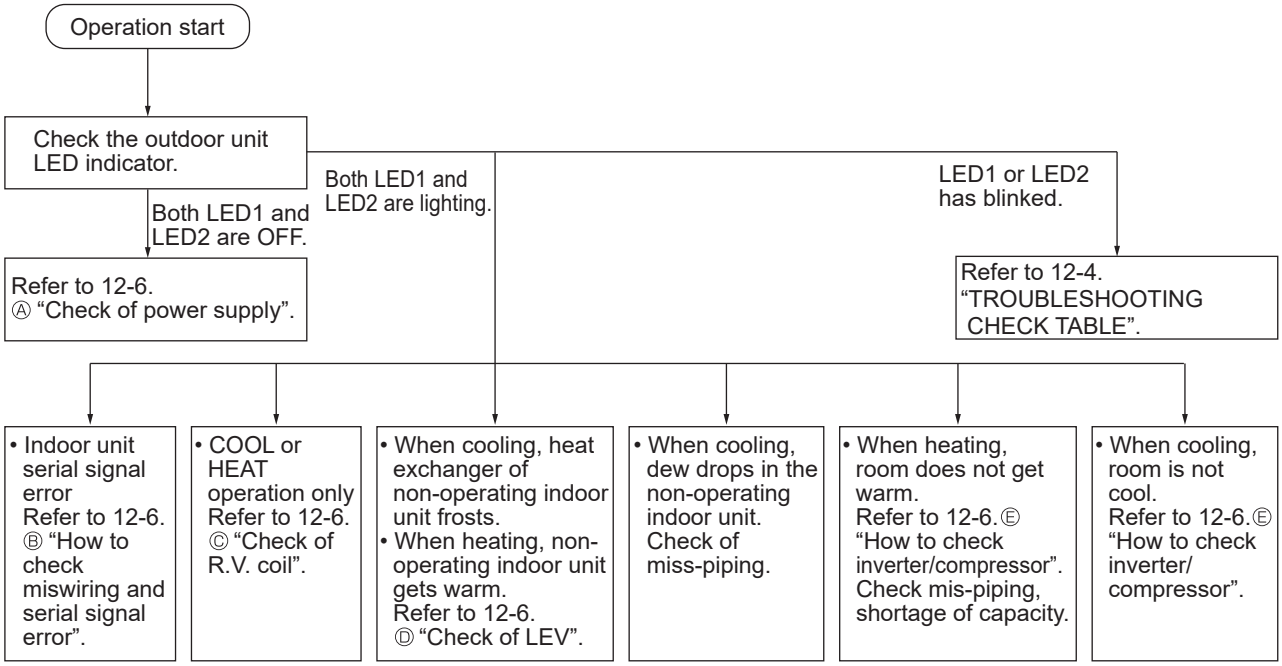
The left lamp of OPERATION INDICATOR lamp (Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board)		Condition	Remedy	Indoor/outdoor unit failure mode recall function
		LED 1	LED 2			
OFF	None (Normal)	Lit	Lit	—	—	—
2-time blink	Outdoor power system	Lit	Lit	Overcurrent protection cut-out operates 3 consecutive times within 1 minute after the compressor gets started, or converter protection cut-out or bus-bar voltage protection cut-out operates 3 consecutive times within 3 minutes after startup.	• Check the connection of the compressor connecting wire. • Refer to 12-6. Ⓔ “How to check inverter/compressor”. • Check the stop valve.	○
3-time blink	Discharge temperature thermistor	Lit	Once	A thermistor shorts or opens during compressor running.	• Refer to 12-6. Ⓕ “Check of outdoor thermistors”.	○
	Defrost thermistor	Lit	Once			
	Ambient temperature thermistor	Lit	Twice			
	Fin temperature thermistor	Lit	3 times			
	P.C. board temperature thermistor	Lit	4 times		• Replace the outdoor control P.C. board.	
	Outdoor heat exchanger temperature thermistor	Lit	9 times		• Refer to 12-6. Ⓕ “Check of outdoor thermistors”.	
4-time blink	Overcurrent	Once	Not lit	18 A (**MXZ-2D20NL**)/22 A (**MXZ-3D24/4D30NL, MXZ-2D20NLHZ**)/35 A (**MXZ-5D36/42NL,** MXZ-**3D24/3D30NLHZ**) current flows into power module.	• Reconnect compressor connector. • Refer to 12-6. Ⓔ “How to check inverter/compressor”. • Check the stop valve.	—
5-time blink	Discharge temperature	Lit	Lit	The discharge temperature exceeds 239°F (**MXZ-2D20NL**)/222.8°F (**MXZ-3D24/4D30NL, MXZ-2D20NLHZ**)/230°F (**MXZ-5D36/42NL, MXZ-3D24/30NLHZ**) during operation. Compressor can restart if discharge temperature thermistor reads 176°F (**MXZ-2D20NL**)/203°F (**MXZ-3D24/4D30/5D36/42NL, MXZ-2D20/3D24/30NLHZ**) or less 3 minutes later.	• Check refrigerant circuit and refrigerant amount. • Refer to 12-6. Ⓓ “Check of LEV”.	—
6-time blink	High pressure	Lit	Lit	The outdoor heat exchanger temperature exceeds 158°F during cooling or the indoor gas pipe temperature exceeds 158°F during heating.	• Check refrigerant circuit and refrigerant amount. • Check the stop valve.	—
7-time blink	Fin temperature	3 times	Not lit	The fin temperature exceeds 176°F (**MXZ-2D20NL**)/192°F (**MXZ-3D24/4D30NL, MXZ-2D20NLHZ**)/190°F (**MXZ-5D36/42NL, MXZ-3D24/30NLHZ**) during operation.	• Check around outdoor unit. • Check outdoor unit air passage. • Refer to 12-6. Ⓖ “Check of outdoor fan motor”.	—
	P.C. board temperature	4 times	Not lit	The P.C. board temperature exceeds 152°F (**MXZ-2D20NL**)/189°F (**MXZ-3D24/4D30NL, 2D20NLHZ**)/150°F (**MXZ-5D36/42NL, MXZ-3D24/30NLHZ**) during operation.		
8-time blink	Outdoor fan motor	Lit	Lit	A failure occurs 3 consecutive times within 30 seconds after the fan gets started.	• Refer to 12-6. Ⓖ “Check of outdoor fan motor”.	—
	4-way valve switching operation abnormality.	Lit	12 times	Connector of R.V. coil is disconnected, poorly connected or 4-way valve is faulty.	• Refer to 12-6. Ⓒ “Check of R.V. coil”. • Check the 4-way valve.	○
9-time blink	Outdoor control system	Lit	5 times	Nonvolatile memory data cannot be read properly.	• Replace the outdoor control P.C. board.	○
10-time blink	Low discharge temperature protection	Lit	Lit	The frequency of the compressor is kept 80 Hz or more and the discharge temperature is kept under 102.2°F for more than 20 minutes.	• Check refrigerant circuit and refrigerant amount. • Refer to 12-6. Ⓓ “Check of LEV”.	—

NOTE: Blinking patterns of this mode differ from the ones of TROUBLESHOOTING CHECK TABLE (12-4.).

The left lamp of OPERATION INDICATOR lamp (Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board)		Condition	Remedy	Indoor/outdoor unit failure mode recall function
		LED 1	LED 2			
11-time blink	Communication error between P.C. boards	Lit	6 times	Communication error occurs between the outdoor control P.C. board and outdoor power P.C. board for more than 10 seconds.	• Check the connecting wire between outdoor control P.C. board and outdoor power P.C. board.	—
				The communication between boards protection cut-out operates 2 consecutive times.		○
	Current sensor	Lit	7 times	A short or open circuit is detected in the current sensor during compressor operating.	—	—
				Current sensor protection cut-out operates 2 consecutive times.		○
	Zero cross detecting circuit	5 times	Not lit	Zero cross signal cannot be detected while the compressor is operating.	• Check the connecting wire among outdoor control P.C. board and outdoor power P.C. board.	—
				The protection cut-out of the zero cross detecting circuit operates 10 consecutive times.		○
	Converter	5 times	Not lit	A failure is detected in the operation of the converter during operation.	• Check the voltage of power supply. • Replace the outdoor power P.C. board.	—
	Bus-bar voltage	5 times	Not lit	The bus-bar voltage exceeds 430 V or falls to low level during compressor operating.	• Check the voltage of power supply. • Replace the outdoor power P.C. board or the outdoor control P.C. board.	
14-time blink	Refrigerant leakage (Sensor detection)	Lit	Lit	1. Refrigerant leaks from the piping or the heat exchanger in the indoor unit. 2. The following items are used around the indoor unit. • Spray (LP gas including Freon, and whose main ingredient is propane and butane) • Aerosol insecticide (including ethanol) • Air spray painting (including dichloromethane) • Charcoal (charcoal fire) • Chemicals (such as ethanol)	• Turn off the power after the indoor unit finishes its FAN operation. (The FAN operation continues for 3 hours.) • Check the indoor unit to detect the part where refrigerant leaks. • Repair the part where refrigerant leaks. • Turn on the power again. • Replace the refrigerant sensor if the problem is not fixed.	○
	Refrigerant leakage (Sensor detection)	Lit	Lit	The refrigerant sensor mounted on the indoor unit does not work. The refrigerant sensor is not connected properly or the wire is broken.	• Connect the connector of the refrigerant sensor properly. • Replace the refrigerant sensor.	○
	Incompatible unit combination	Lit	11 times	The indoor unit which is not compatible with the outdoor unit is connected.	• Replace the indoor unit with the one which is compatible with the outdoor unit.	○
	4-way valve switching operation abnormality.	Lit	12 times	Connector of R.V. coil is disconnected, poorly connected or 4-way valve is faulty.	• Refer to 12-6. Ⓒ “Check of R.V. coil”. • Check the 4-way valve.	○
	Indoor/outdoor unit communication error	Lit	14 times	The communication fails between the indoor and outdoor unit.	• Refer to 12-6. Ⓑ “How to check miswiring and serial signal error (when outdoor unit does not work)”.	○
15-time blink	LEV and drain pump	Lit	Lit	The indoor unit detects an abnormality in the LEV and drain pump.	• Refer to 12-6. Ⓓ “Check of LEV”. • Check the drain pump of the indoor unit.	—

12-3. INSTRUCTIONS FOR TROUBLESHOOTING

• Check the indoor unit while referring to the indoor unit service manual, and confirm if there is any problem in the indoor unit. Then, check the outdoor unit while referring to this page.



12-4. TROUBLESHOOTING CHECK TABLE

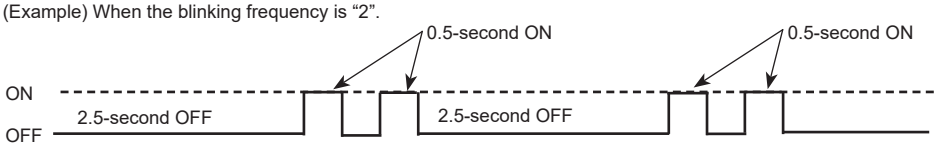
No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
1	Outdoor unit does not operate.	Lit	Once	LEV and drain pump	The indoor unit detects an abnormality in the LEV and drain pump.	• Refer to 12-6. Ⓓ "Check of LEV". • Check the drain pump of the indoor unit.
2		Lit	Twice	Outdoor power system	Overcurrent protection cut-out operates 3 consecutive times within 1 minute after the compressor gets started, or converter protection cut-out or bus-bar voltage protection cut-out operates 3 consecutive times within 3 minutes after startup.	• Check the connection of the compressor connecting wire. • Refer to 12-6. Ⓔ "How to check inverter/ compressor". • Check the stop valve.
3		Lit	3 times	Discharge temperature thermistor	A short circuit is detected in the thermistor during operation, or an open circuit is detected in the thermistor after 10 minutes of compressor startup.	• Refer to 12-6. Ⓕ "Check of outdoor thermistors".
4		Lit	4 times	Fin temperature thermistor	A short or open circuit is detected in the thermistor during operation.	• Refer to 12-6. Ⓕ "Check of outdoor thermistors".
				P. C. board temperature thermistor		• Replace the outdoor control P.C. board.
5		Lit	5 times	Ambient temperature thermistor	A short or open circuit is detected in the thermistor during operation.	• Refer to 12-6. Ⓕ "Check of outdoor thermistors".
				Outdoor heat exchanger temperature thermistor	A short circuit is detected in the thermistor during operation, or an open circuit is detected in the thermistor after 5 minutes (in cooling) and 10 minutes (in heating) of compressor startup.	
				Defrost thermistor	A short circuit is detected in the thermistor during operation, or an open circuit is detected in the thermistor after 5 minutes of compressor startup.	
6		Lit	7 times	Outdoor control system	The nonvolatile memory data cannot be read properly.	• Replace the outdoor control P.C. board.
7		Lit	8 times	Current sensor	Current sensor protection cut-out operates 2 consecutive times.	• Replace the outdoor power P.C. board.
8		Lit	11 times	Communication error between P.C. boards	The communication protection cut-out between boards operates 2 consecutive times.	• Check the connecting wire between outdoor control P.C. board and outdoor power P.C. board.
				M-NET communication error	M-NET adapter P.C. board detects an abnormality in the communication error.	• Check the connecting wire between M-NET adapter P.C. board and outdoor control P.C. board, or terminal bed.
9		Lit	12 times	Zero cross detecting circuit (Outdoor power P.C. board)	The protection cut-out of the zero cross detecting circuit operates 10 consecutive times.	• Replace the outdoor power P.C. board.
10		Lit	13 times	Current sensor	A short or open circuit is detected in the input current detection circuit during operation.	• Replace the outdoor power P.C. board.
11		Lit	14 times	Voltage sensor	A short or open circuit is detected in the input voltage detection circuit during operation.	• Replace the outdoor power P.C. board.
12		Lit	15 times	Relay operation	No relay operation is detected during operation.	• Replace the outdoor power P.C. board.
13		Lit	18 times	Detection of refrigerant (Indoor unit)	1. Refrigerant leaks from the piping or the heat exchanger in the indoor unit. 2. The following items are used around the indoor unit. • Spray (LP gas including Freon, and whose main ingredient is propane and butane) • Aerosol insecticide (including ethanol) • Air spray painting (including dichloromethane) • Charcoal (charcoal fire) • Chemicals (such as ethanol)	• Turn off the power after the indoor unit finishes its fan operation. (The fan operation continues for 3 hours.) • Check the indoor unit to detect the part where refrigerant leaks. • Repair the part where refrigerant leaks. • Turn on the power again. • Replace the refrigerant sensor if the problem is not fixed.
14		Lit	19 times	Abnormality of refrigerant leakage sensor (Indoor unit)	The refrigerant sensor mounted on the indoor unit does not work. The refrigerant sensor is not connected properly or the wire is broken.	• Connect the connector of the refrigerant sensor properly. • Replace the refrigerant sensor.
15		Lit	20 times	Incompatible unit combination error	The indoor unit which is not compatible with the outdoor unit is connected.	• Replace the indoor unit with the one which is compatible with the outdoor unit.
16		Lit	21 times	4-way valve	Connector of R.V. coil is disconnected, poorly connected or 4-way valve is faulty.	• Refer to 12-6. Ⓒ "Check of R.V. coil". • Check the 4-way valve.
17		Lit	24 times	Serial signal	The communication fails between the indoor and outdoor unit.	• Refer to 12-6. Ⓑ "How to check miswiring and serial signal error (when outdoor unit does not work)".

No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
18	'Outdoor unit stops and restarts 3 minutes later' is repeated.	Twice	Not lit	IPM protection	Overcurrent is detected after 30 seconds of compressor startup.	• Reconnect compressor connector. • Refer to 12-6. Ⓔ "How to check inverter/ compressor". • Check the stop valve. • Check the power module (PAM module).
				Lock protection	Overcurrent is detected within 30 seconds of compressor startup.	
19		3 times	Not lit	Discharge temperature protection	The discharge temperature exceeds 239°F (**MXZ-2D20NL**)/222.8°F (**MXZ-3D24/4D30NL, MXZ-2D20NLHZ**)/230°F (**MXZ-5D36/42NL, MXZ-3D24/30NLHZ**) during operation. Compressor can restart if discharge temperature thermistor reads 176°F (**MXZ-2D20NL**)/203°F (**MXZ-3D24/4D30/5D36/42NL, MXZ-2D20/3D24/30NLHZ**) or less 3 minutes later.	• Check the amount of gas and refrigerant circuit. • Refer to 12-6. Ⓓ "Check of LEV".
20		4 times	Not lit	Fin temperature protection	The fin temperature exceeds during operation.	• Check refrigerant circuit and refrigerant amount. • Refer to 12-6. Ⓖ "Check of outdoor fan motor".
				P.C. board temperature protection	The P.C. board temperature exceeds during operation.	
21		5 times	Not lit	High pressure protection	High pressure is detected with the high pressure switch (HPS) during operation.	• Check around of gas and the refrigerant circuit. • Check the stop valve.
					The outdoor heat exchanger temperature exceeds 158°F during cooling or the indoor gas pipe temperature exceeds 158°F during heating.	
22		6 times	Not lit	Pre-heating protection	Overcurrent is detected during pre-heating.	• Reconnect compressor connector. • Refer to 12-6. Ⓔ "How to check inverter/ compressor". • Check the power module.
23		8 times	Not lit	Converter protection	A failure is detected in the operation of the converter during operation.	• Replace the outdoor power P.C. board.
24		9 times	Not lit	Bus-bar voltage protection	The bus-bar voltage exceeds 400 V or falls to low level during compressor operating.	• Check the voltage of power supply. • Replace the outdoor power P.C. board or the outdoor control P.C. board. • Refer to 12-6. Ⓙ "Check of bus-bar voltage".
25		11 times	Not lit	Low out side temperature protection(cooling)	The ambient became 10.4°F or less.	—
				Low out side temperature protection(Heating)	The ambient became -4.2°F or less. (**MXZ-2D20/3D24/4D30/5D36/42NL**)	
					The ambient became -18°F or less. (**MXZ-2D20/3D24/3D30NLHZ**)	
26		13 times	Not lit	Outdoor fan motor	A failure occurs 3 consecutive times within 30 seconds after the fan gets started.	• Refer to 12-6. Ⓖ "Check of outdoor fan motor".
27		14 times	Not lit	4-way valve switching operation	Connector of R.V. coil is disconnected, poorly connected or 4-way valve is faulty.	• Refer to 12-6. Ⓒ "Check of R.V. coil". • Check the 4-way valve.
28		Lit	8 times	Current sensor protection	A short or open circuit is detected in the current sensor during compressor operating.	• Replace the outdoor power P.C. board.
29		Lit	11 times	Communication between P.C. boards protection	Communication error occurs between the outdoor control P.C. board and outdoor power P.C. board for more than 10 seconds.	• Check the connecting wire between outdoor control P.C. board and outdoor power P.C. board.
30		Lit	12 times	Zero cross detecting circuit protection (Outdoor power P.C. board)	Zero cross signal cannot be detected while the compressor is operating.	• Replace the outdoor power P.C. board.
31	Outdoor unit operates.	Once	Lit	Primary current protection	The input current exceeds 14.4 A (**MXZ-2D20NL**)/ 18.6 A (**MXZ-3D24/4D30NL, MXZ-2D20NLHZ**)/ 26.8 A (**MXZ-5D36/42NL, MXZ-3D24/3D30NLHZ**).	These symptoms do not mean any abnormality of the product, but check the following points. • Check if indoor filters are clogged. • Check if refrigerant is short. • Check if indoor/outdoor unit air circulation is short cycled.
32		Twice	Lit	High pressure protection	The indoor gas pipe temperature exceeds 113°F during heating.	
				Defrosting in cooling	The indoor gas pipe temperature falls 37.4°F or below during cooling.	
33		3 times	Lit	Discharge temperature protection	The frequency of the compressor is kept 80 Hz or more and the discharge temperature is kept under 122°F(COOL mode)/104°F(HEAT mode) for more than 40 minutes.	• Check refrigerant circuit and refrigerant amount. • Refer to 12-6. Ⓓ "Check of LEV". • Refer to 12-6. Ⓕ "Check of outdoor thermistors".

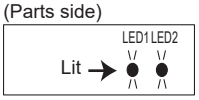
No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
34	Outdoor unit operates.	4 times	Lit	Low discharge temperature protection	The frequency of the compressor is kept 80 Hz or more and the discharge temperature is kept under 122°F(COOL mode)/104°F(HEAT mode) for more than 20 minutes.	• Refer to 12-6. Ⓓ "Check of LEV". • Check refrigerant circuit and refrigerant amount.
35		5 times	Lit	Cooling high pressure protection	The outdoor heat exchanger temperature exceeds 129°F during operation.	This symptom does not mean any abnormality of the product, but check the following points. • Check if indoor filters are clogged. • Check if refrigerant is short. • Check if indoor/outdoor unit air circulation is short cycled.
36		7 times	Lit	High → Low Pressure bypass valve Cooling evaporating temperature drop prevention control	During cooling operation, the temperature of indoor heat exchanger becomes 37.4°F or less within 1 hour after the compressor starts running, or it becomes less than 53.6°F - 60.8°F* later than that. * It depends on the difference between the set temperature and the room temperature. (**MXZ-2D20/3D24/3D30NLHZ, MXZ-5D42NL**)	This symptom does not mean any abnormality of the product, but check the following points. • Check the indoor filters are not clogged. • Check there is sufficient refrigerant. • Check the indoor/outdoor unit air circulation is not short cycled.
37		11 times	Lit	M-NET communication error	M-NET adapter P.C. board detects an abnormality in the communication error.	• Check the connecting wire between M-NET adapter P.C. board and outdoor control P.C. board, or terminal block.
38	Outdoor unit operates normally.	7 times	Lit	High → Low pressure bypass valve High pressure protection control at startup of heating operation	The room temperature is 75.2°F or more when 1 or 2 unit(s) start(s) the heating operation. (**MXZ-3D24/30NLHZ, MXZ-5D36/42NL**)	This symptom does not mean any abnormality of the product.
				High → Low pressure bypass valve Compressor oil tempering control at startup of heating operation	Both the following are true: • The outside temperature is 28.4°F or less when the heating operation is started. • [(Discharge temperature) - (Indoor heat exchanger temperature)] < 9°F (**MXZ-3D24/30NLHZ, MXZ-5D36/42NL**)	
39		8 times	Lit	Cooling evaporating temperature protection	During cooling operation, the temperature of indoor heat exchanger becomes 44.6°F - 51.8°F* or less within 1 hour after the compressor starts running, or it becomes 48.2°F - 62.6°F* or less later than that. * It depends on the indoor unit type/model or the difference between the set temperature and the room temperature.	This symptom does not mean any abnormality of the product.
40		9 times	Lit	Inverter check mode	The unit is operated with emergency operation switch.	—
41		Lit	Lit	Normal	—	—

NOTE: 1. The location of LED is illustrated at the right figure. Refer to 12-7.1.
2. LED is lit during normal operation.

The blinking frequency shows the number of times the LED blinks after every 2.5-second OFF.
(Example) When the blinking frequency is "2".

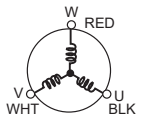
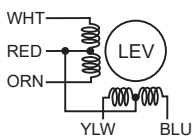


Outdoor control P.C. board
(Parts side)



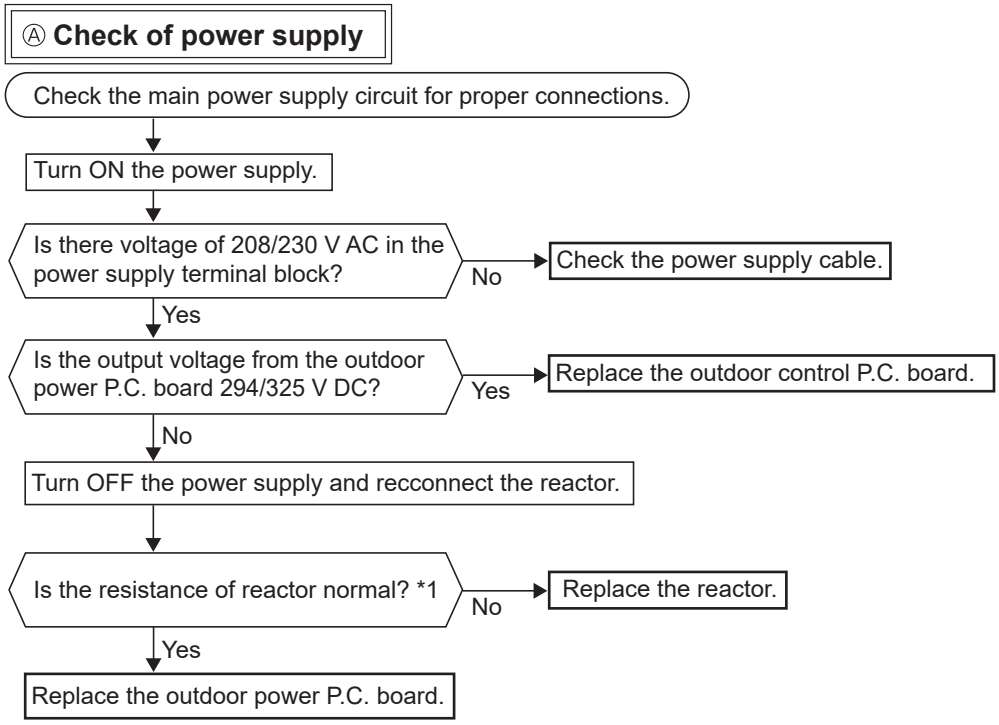
12-5. TROUBLESHOOTING CRITERION OF MAIN PARTS

MXZ-2D20NL MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL MXZ-5D42NL MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ

<table>
<tr><th>Part name</th><th>Check method and criterion</th></tr>
<tr><td>Defrost thermistor (RT61)
Fin temperature thermistor (RT64)
Ambient temperature thermistor (RT65)
Outdoor heat exchanger temperature thermistor (RT68)</td><td>Measure the resistance with a multimeter.
Refer to 12-7. “TEST POINT DIAGRAM AND VOLTAGE”, 1. “Outdoor control P.C.board”, 2. “Outdoor power P.C. board”, for the chart of thermistor.</td></tr>
<tr><td>Discharge temperature thermistor (RT62)</td><td>Measure the resistance with a multimeter.
Before measurement, hold the thermistor with your hands to warm it up.
Refer to 12-7. “TEST POINT DIAGRAM AND VOLTAGE”, 1. “Outdoor control P.C. board” for the chart of thermistor.</td></tr>
<tr><td>Compressor
 
</td><td>Measure the resistance between terminals using a multimeter. (Winding temperature: 14°F - 104°F)
<table>
<tr><th colspan="3">Normal (Each phase)</th></tr>
<tr><th>MXZ-2D20NL</th><th>MXZ-3D24NL
MXZ-4D30NL
MXZ-2D20NLHZ</th><th>MXZ-5D36NL
MXZ-5D42NL
MXZ-3D24NLHZ
MXZ-3D30NLHZ</th></tr>
<tr><td>1.37 Ω - 1.69 Ω</td><td>0.64 Ω - 0.78 Ω</td><td>0.31 Ω - 0.38 Ω</td></tr>
</table></td></tr>
<tr><td>Outdoor fan motor</td><td>• Refer to 12-6. Ⓖ</td></tr>
<tr><td>R.V. coil</td><td>Measure the resistance using a multimeter. (Part temperature: 14°F - 104°F)
<table>
<tr><th colspan="3">Normal (Each phase)</th></tr>
<tr><th>MXZ-2D20NL</th><th>MXZ-3D24NL
MXZ-4D30NL
MXZ-2D20NLHZ</th><th>MXZ-5D36NL
MXZ-5D42NL
MXZ-3D24NLHZ
MXZ-3D30NLHZ</th></tr>
<tr><td>1.26 kΩ - 1.62 kΩ</td><td colspan="2">1.20 kΩ - 1.77 kΩ</td></tr>
</table></td></tr>
<tr><td>2-way valve solenoid coil</td><td>Measure the resistance using a multimeter. (Part temperature: 14°F - 104°F)
<table>
<tr><th>Normal</th></tr>
<tr><th>MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ</th></tr>
<tr><td>0.97 kΩ - 1.37 kΩ</td></tr>
</table></td></tr>
<tr><td>Linear expansion valve
 
</td><td>Measure the resistance using a multimeter. (Part temperature: 14°F - 104°F)
<table>
<tr><th>Color of lead wire</th><th>Normal</th></tr>
<tr><td>WHT - RED</td><td rowspan="4">37.4 Ω - 53.9 Ω</td></tr>
<tr><td>RED - ORN</td></tr>
<tr><td>YLW - RED</td></tr>
<tr><td>RED - BLU</td></tr>
</table></td></tr>
<tr><td>High pressure switch(HPS)</td><td>
<table>
<tr><th></th><th>Pressure</th><th>State</th></tr>
<tr><td rowspan="2">HPS</td><td>497 ± 22 PSIG</td><td>Close</td></tr>
<tr><td>600 ± 15 PSIG</td><td>Open</td></tr>
</table></td></tr>
<tr><td>Defrost heater</td><td>Measure the resistance using a multimeter. (Part temperature: 14°F - 104°F)
<table>
<tr><th>Normal</th></tr>
<tr><th>MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ</th></tr>
<tr><td>0.35 kΩ - 0.50 kΩ</td></tr>
</table></td></tr>
</table>

12-6. TROUBLESHOOTING FLOW

Outdoor unit does not operate.



*1 **MXZ-2D20NL MXZ-3D24NL MXZ-4D30NL MXZ-5D36NL**

Measuring points	Resistance
pin 1 – pin 2	1 Ω or less
pin 3 – pin 4	1 Ω or less

MXZ-5D42NL
MXZ-2D20NLHZ MXZ-3D24NLHZ MXZ-3D30NLHZ

Measuring points	Resistance
–	1 Ω or less

- **When unit cannot operate neither by the remote controller nor by EMERGENCY OPERATION switch. Indoor unit does not operate.**
- **When OPERATION INDICATOR lamp blinks ON and OFF in every 0.5-second. Outdoor unit does not operate.**

Ⓑ How to check miswiring and serial signal error (when outdoor unit does not work)

LED indication for communication status

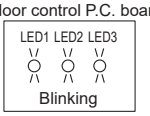
Communication status is indicated by the LED.

Unit status
Blinking: normal communication
Lit: abnormal communication or not connected

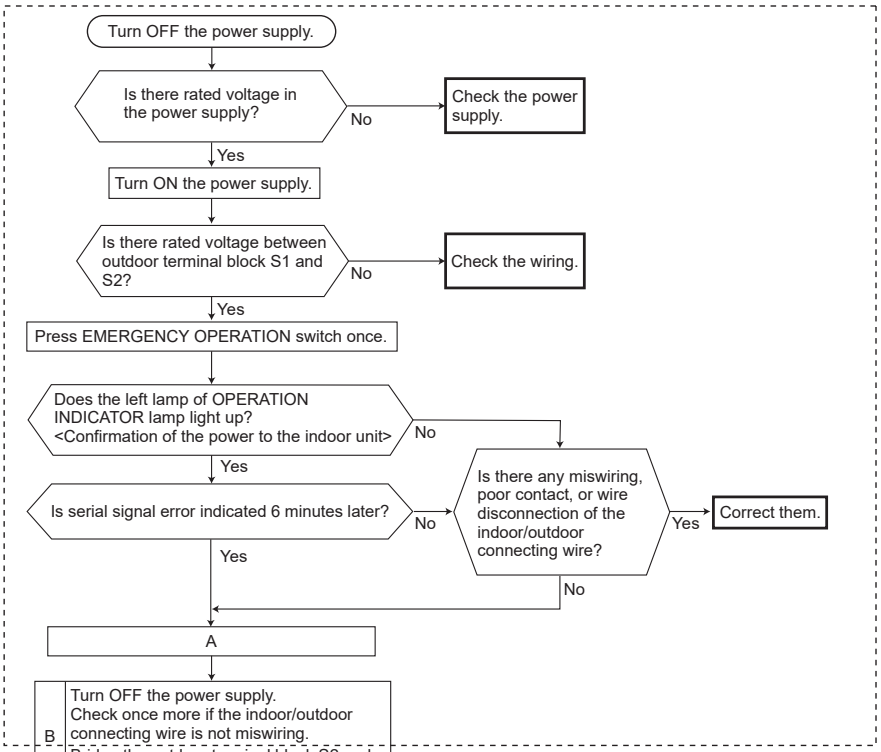
Pattern 1 and 2 is repeatedly displayed alternately. Each pattern is displayed for 15 seconds.

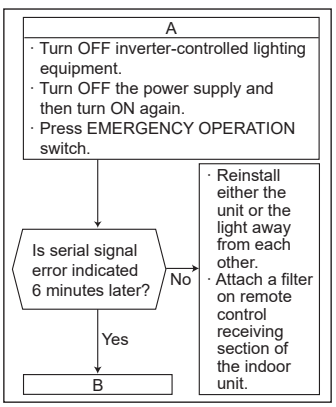
NOTE: "Lit" in the table below does not indicate abnormal communication.

Outdoor control P.C. board



Pattern	LED 1	LED 2	LED 3
1	Unit A status	Unit B status	Lit
2	Unit C status	Unit D status	Not lit
3	Unit E status	———	Blinking



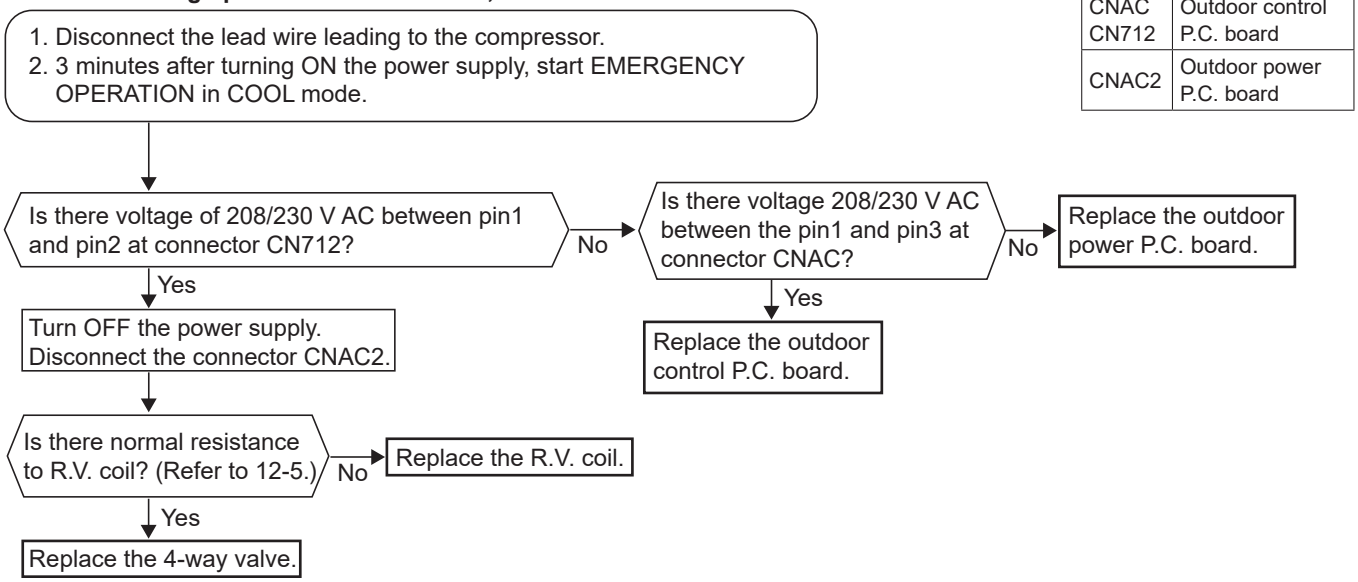


The cooling operation or heating operation does not operate.

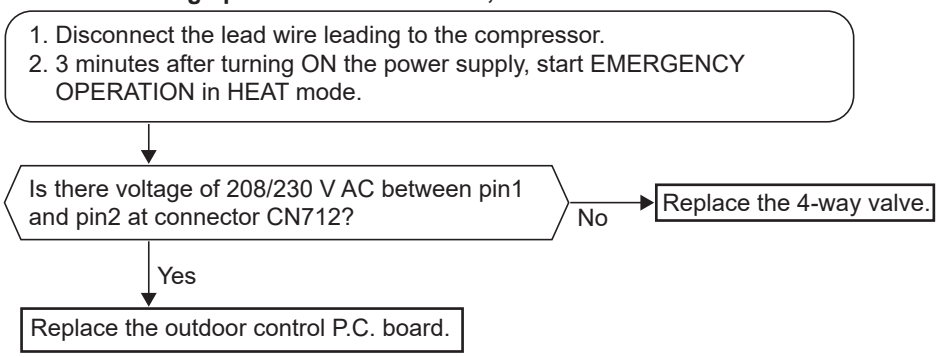
© Check of R.V. coil

• When cooling operation does not work,

CNAC CN712	Outdoor control P.C. board
CNAC2	Outdoor power P.C. board

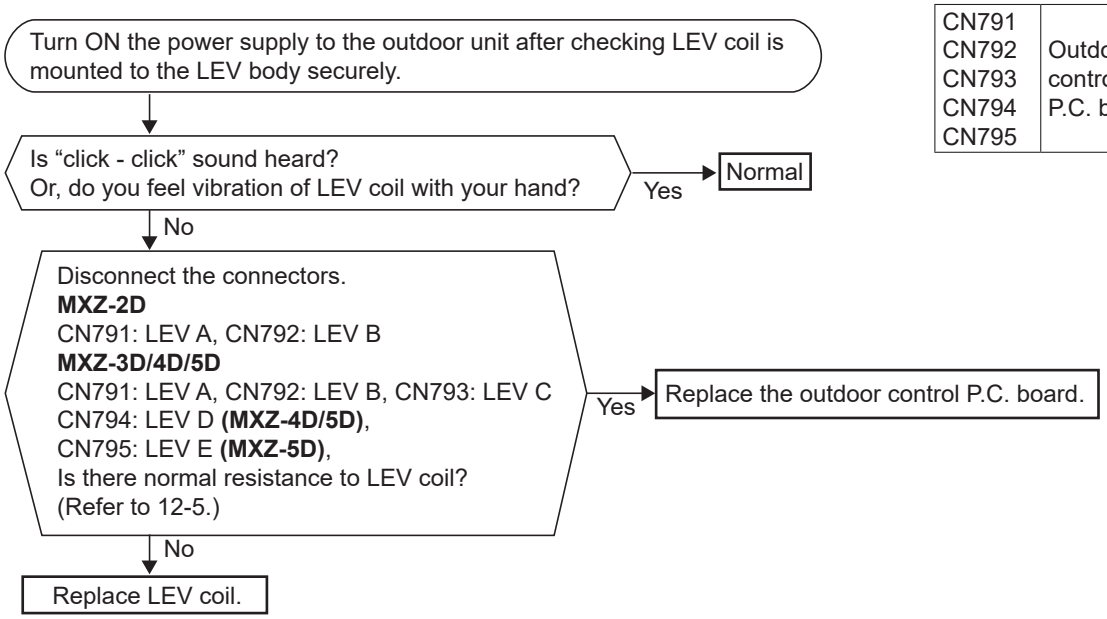


• When heating operation does not work,



• When cooling, heat exchanger of non-operating indoor unit frosts.
• When heating, non-operating indoor unit gets warm.

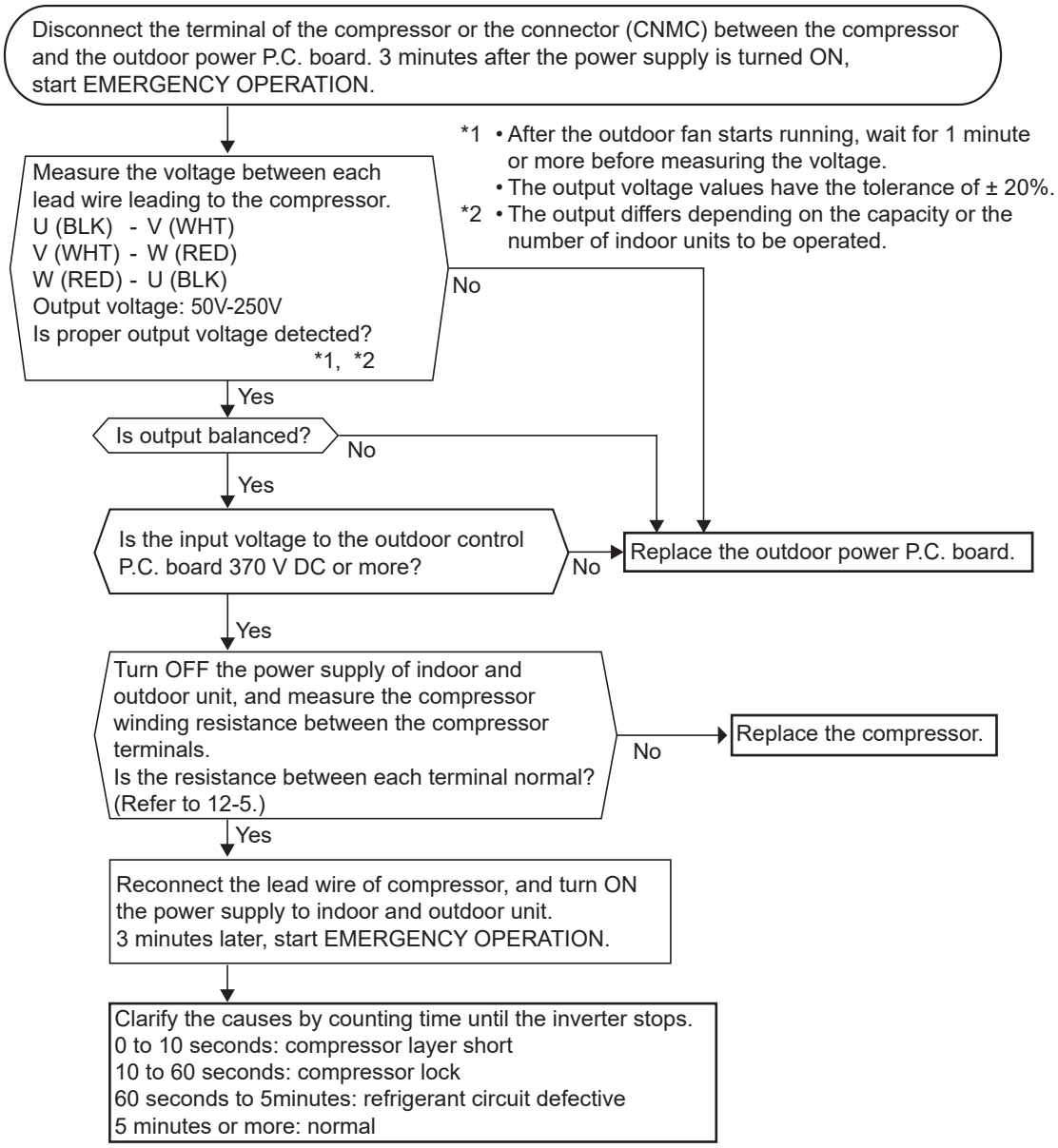
Ⓓ Check of LEV



CN791 CN792 CN793 CN794 CN795	Outdoor control P.C. board

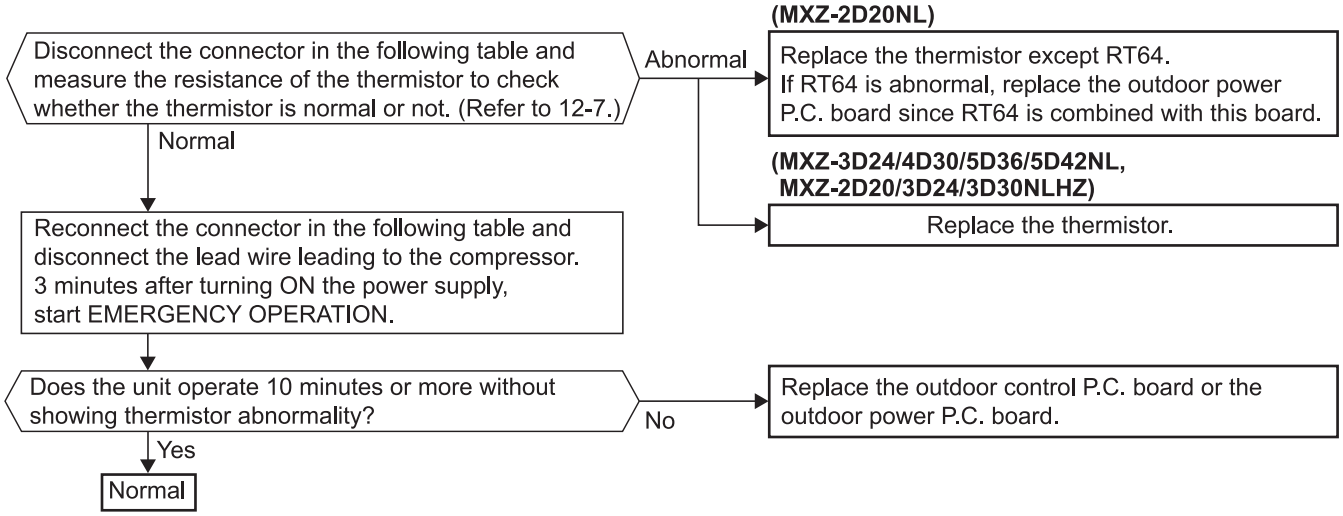
• When heating, room does not get warm.
• When cooling, room does not get cool.

Ⓔ How to check inverter/compressor



• When thermistor is abnormal,

Ⓕ Check of outdoor thermistors



Thermistor	Symbol	Connector, Pin No.	Board
Defrost	RT61	Between CNTH1 pin1 and pin2	Outdoor control P.C. board
Discharge temperature	RT62	Between CNTH1 pin3 and pin4	
Outdoor heat exchanger temperature	RT68	Between CNTH1 pin7 and pin8	
Ambient temperature	RT65	Between CNTH2 pin1 and pin2	
Fin temperature	RT64	Between CN171 pin1 and pin2	Outdoor power P.C. board

• Fan motor does not operate or stops operating shortly after starting the operation.

Ⓖ Check of outdoor fan motor

Disconnect CNF1 and measure the resistance of the outdoor fan motor.

↓

Is the resistance of outdoor fan motor normal? (Refer to right table) → No → Replace the outdoor fan motor.

↓ Yes

Does the outdoor fan motor rotate smoothly? → No → Replace the outdoor fan motor.

↓ Yes

Turn on the power supply to start operation and measure the voltage of connector CNF1.

CNF1	Voltage
pin1 - pin4	294/325 V DC
pin5 - pin4	15 V DC
pin6 - pin4	1 - 5 V DC

- To measure the voltage, connect the negative (-) end of the multimeter to pin4.
- Voltage between pin4 and 6 should be measured within 1 minute after the operation starts.

↓

Is the voltage of connector CNF1 normal? (Refer to right table.) → No → Replace the outdoor control P.C. board.

↓ Yes

Turn OFF the power supply and connect the connector CNF1.
Turn ON the power supply and measure the voltage of connector CNF1 while rotating the motor by the hand.

↓

Does the voltage between pin7 and pin4 of connector CNF1 repeat 0V and 5V? → No → Replace the outdoor fan motor.

↓ Yes

Start operation.

↓

Does the fan motor operate for about 5 seconds? → No → Replace the outdoor fan motor.

↓ Yes

Replace the outdoor control P.C. board.

CNF1	Outdoor control P.C. board

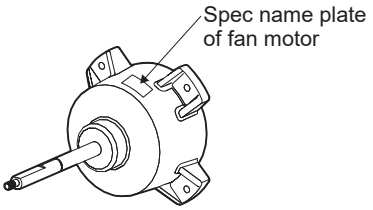
Model name of fan motor:
SIC-82XX-XXXX-X, SIC-88XX-XXXX-X

Measuring points	Resistance
pin1 - pin4	1.1 MΩ
pin5 - pin4	40 kΩ
pin6 - pin4	220 kΩ
pin7 - pin4	∞

ZWB27XXXXXX

Measuring points	Resistance
pin1 - pin4	0.9 – 1.2 MΩ
pin5 - pin4	40 – 52 MΩ
pin6 - pin4	170 – 210 MΩ
pin7 - pin4	5.8 – 7.1 MΩ

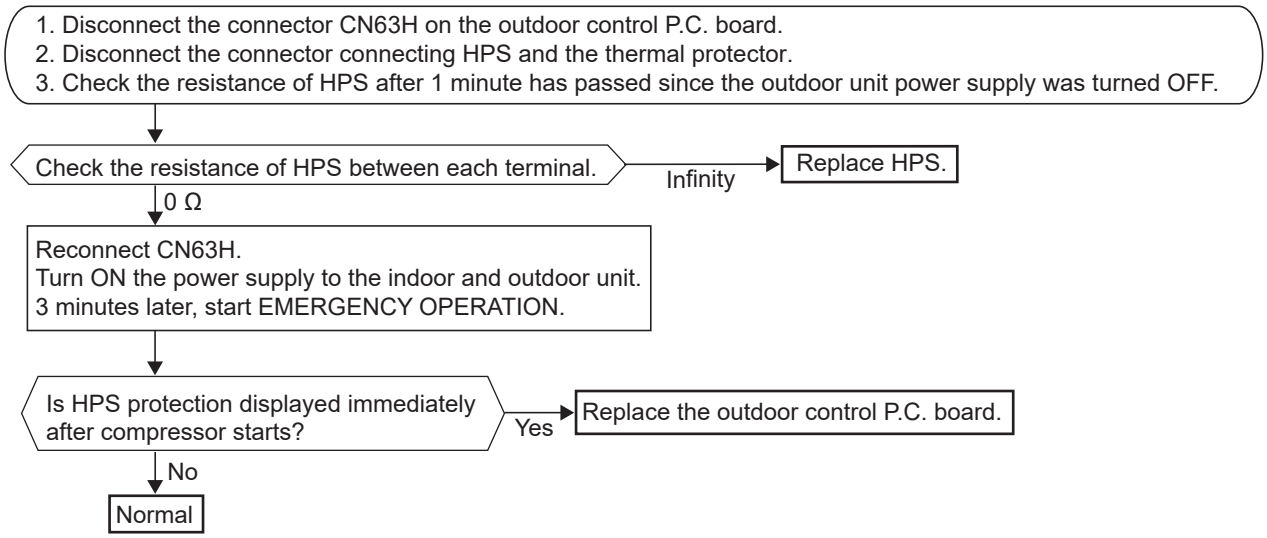
- To measure the resistance, connect the negative (-) end of the multimeter to pin4.
- See the spec name plate indicated in the diagram for the model name of fan motor.
- Where “X” in model name of fan motor represents numbers and letters



• When the operation frequency does not go up from the lowest frequency.

Ⓗ Check of HPS

CN63H	Outdoor control P.C. board

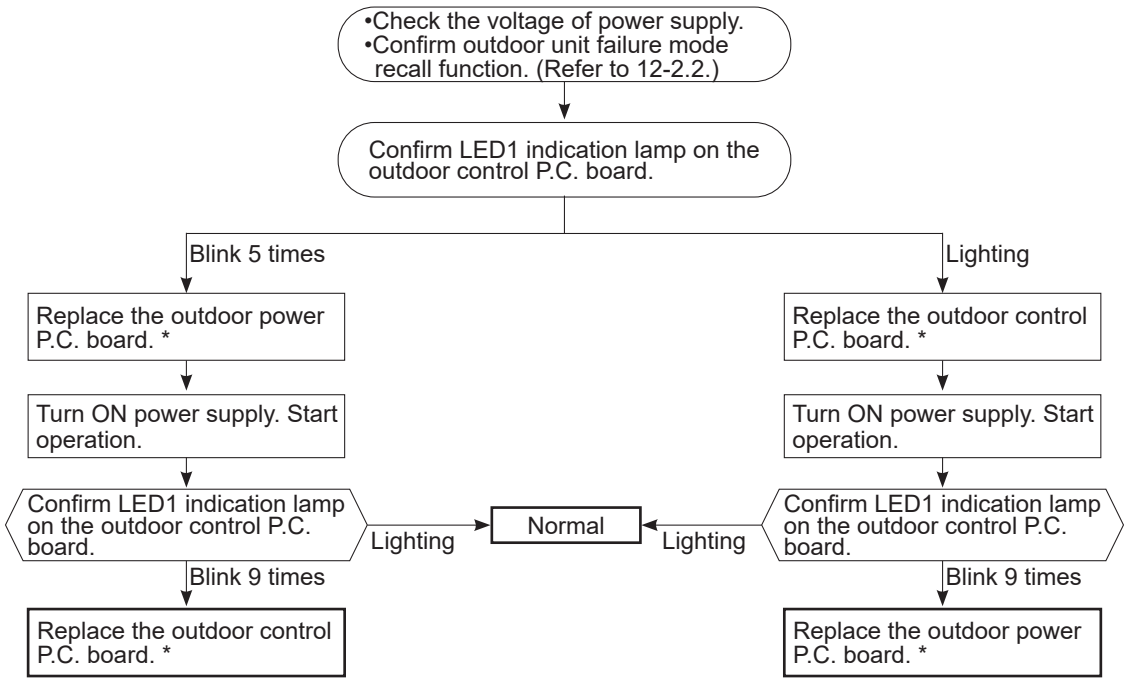


Ⓘ The other cases

Indoor unit does not operate. (different operating models in multi system)

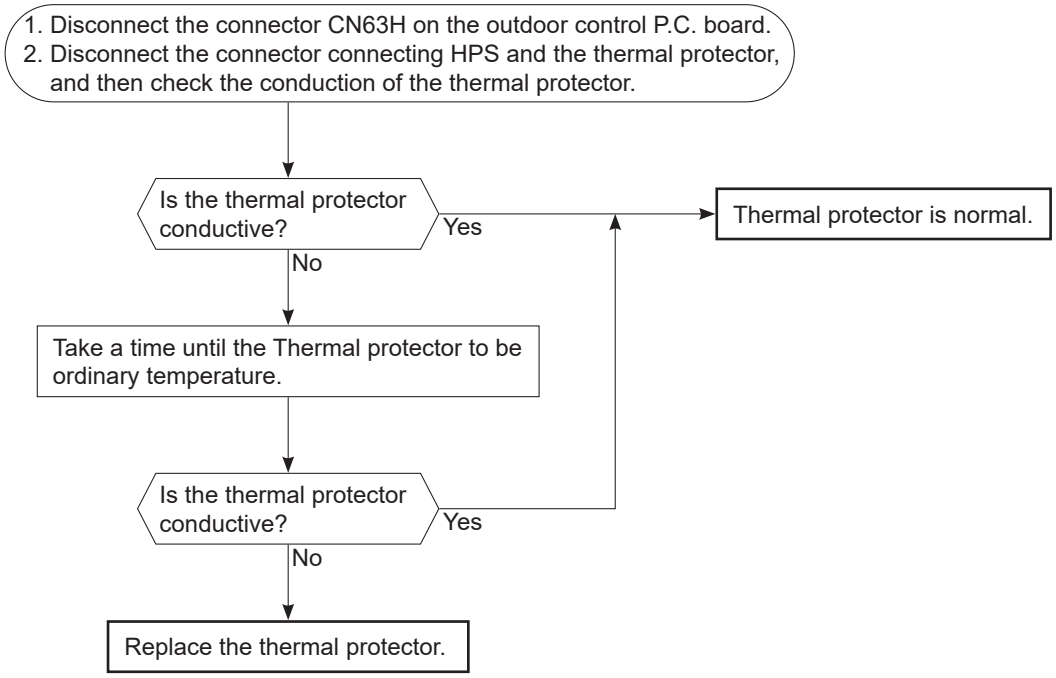
- When you try to run 2 indoor units simultaneously, one for cooling and the other for heating, the unit which transmits signal to the outdoor units first decides the operation mode.
- When the above situation occurs, set all the indoor units to the same mode, turn OFF the indoor units, and then turn them back ON.
- Though the top of the indoor unit sometimes gets warm, this does not mean malfunction. The reason is that the refrigerant gas continuously flows into the indoor unit even while it is not operating.

Ⓙ Check of bus-bar voltage



* Turn OFF power supply before removing P.C. board.

Ⓚ Check of thermal protector

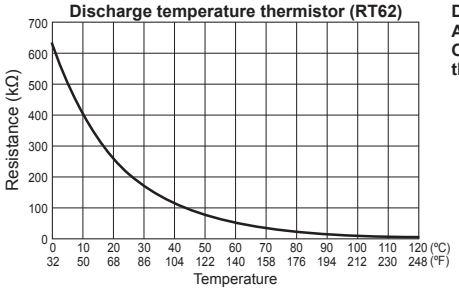


12-7. TEST POINT DIAGRAM AND VOLTAGE

1. Outdoor control P.C. board

MXZ-2D20NL

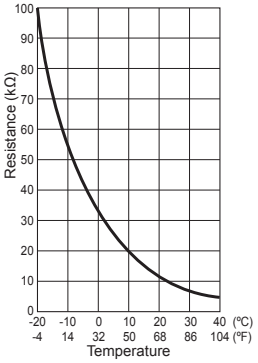
Discharge temperature thermistor (RT62)



Thermistor R100 = 13.36 kΩ ± 2% , B constant = 4014 ± 2%

$Rt = 13.36\exp\{4014(\frac{1}{273+t} - \frac{1}{373})\}$, t: °C = (°F - 32)/1.8

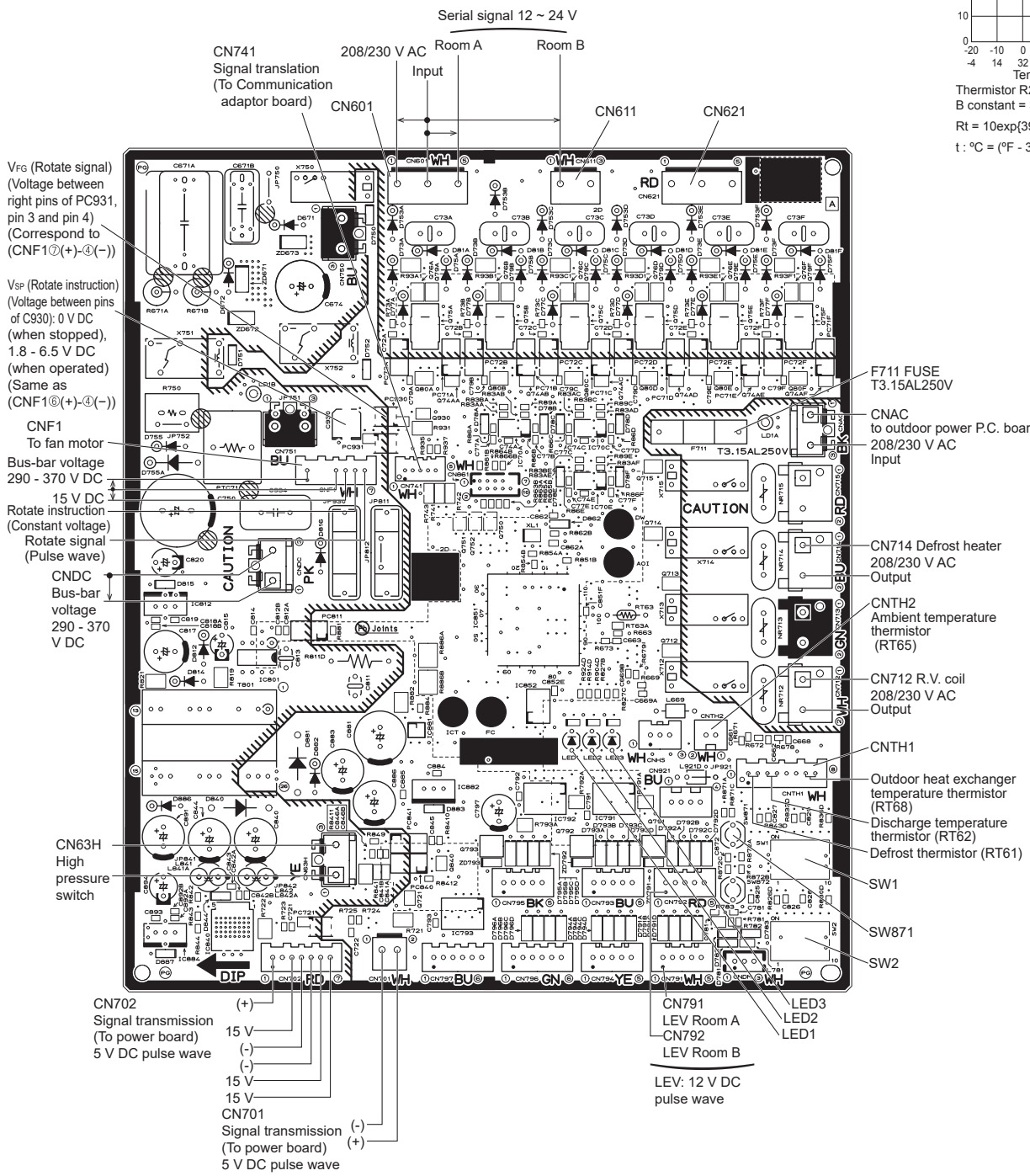
Defrost thermistor (RT61)
Ambient temperature thermistor (RT65)
Outdoor heat exchanger temperature thermistor (RT68)



Thermistor R25 = 10 kΩ ± 2%
B constant = 3950 ± 2%

$Rt = 10\exp\{3950(\frac{1}{273+t} - \frac{1}{298})\}$

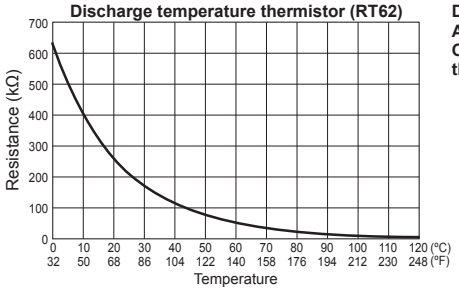
t : °C = (°F - 32)/1.8



1. Outdoor control P.C. board

MXZ-3D24NL **MXZ-2D20NLHZ**
MXZ-4D30NL **MXZ-3D24NLHZ**
MXZ-5D36NL **MXZ-3D30NLHZ**
MXZ-5D42NL

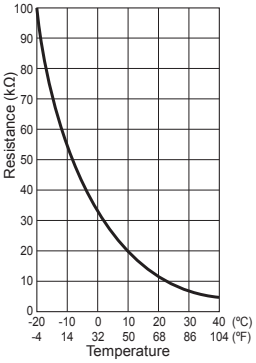
Discharge temperature thermistor (RT62)



Thermistor R100 = 13.36 kΩ ± 2% , B constant = 4014 ± 2%

$Rt = 13.36\exp\{4014(\frac{1}{273+t} - \frac{1}{373})\}$, t: °C = (°F - 32)/1.8

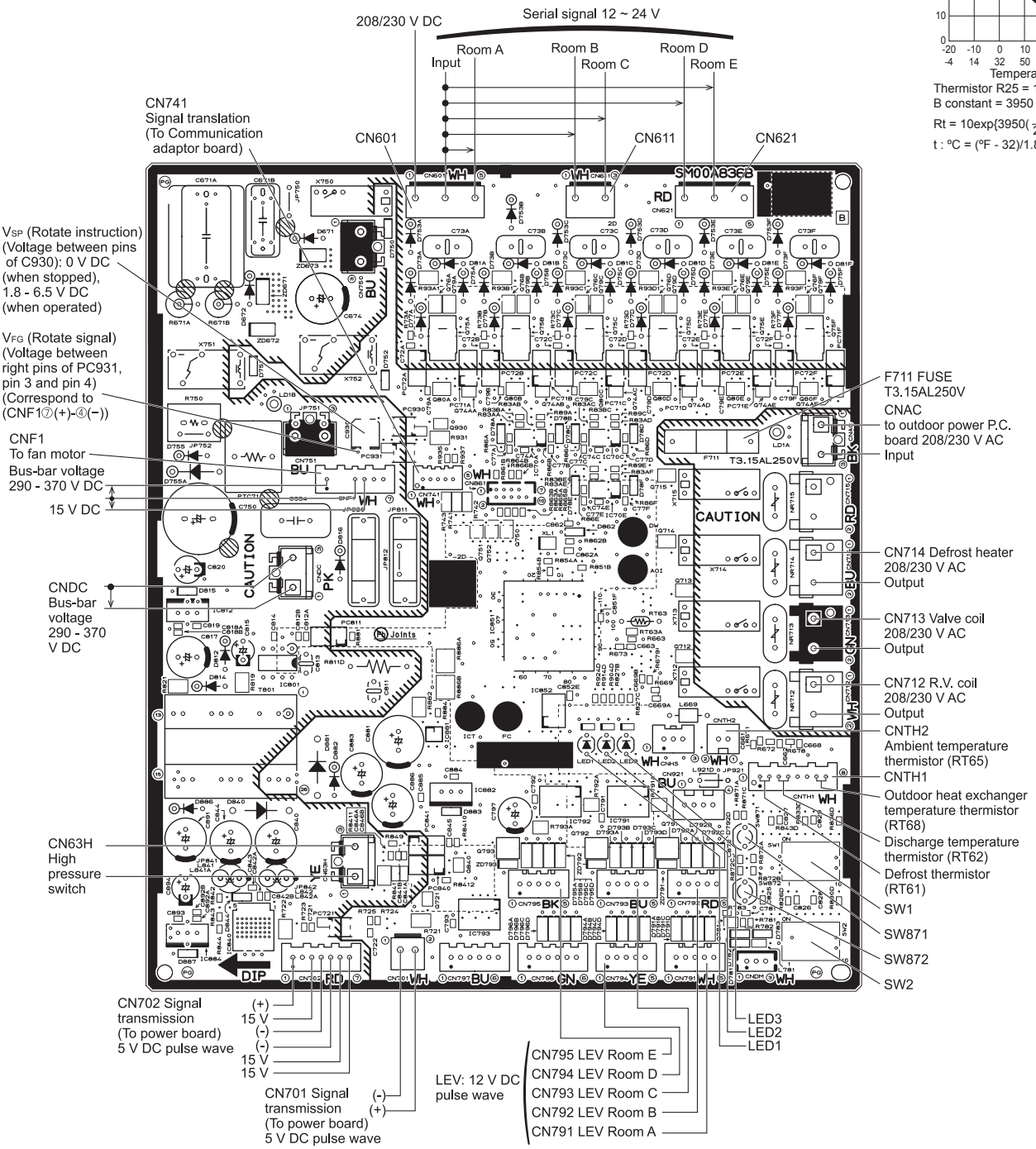
Defrost thermistor (RT61)
Ambient temperature thermistor (RT65)
Outdoor heat exchanger temperature thermistor (RT68)



Thermistor R25 = 10 kΩ ± 2%
B constant = 3950 ± 2%

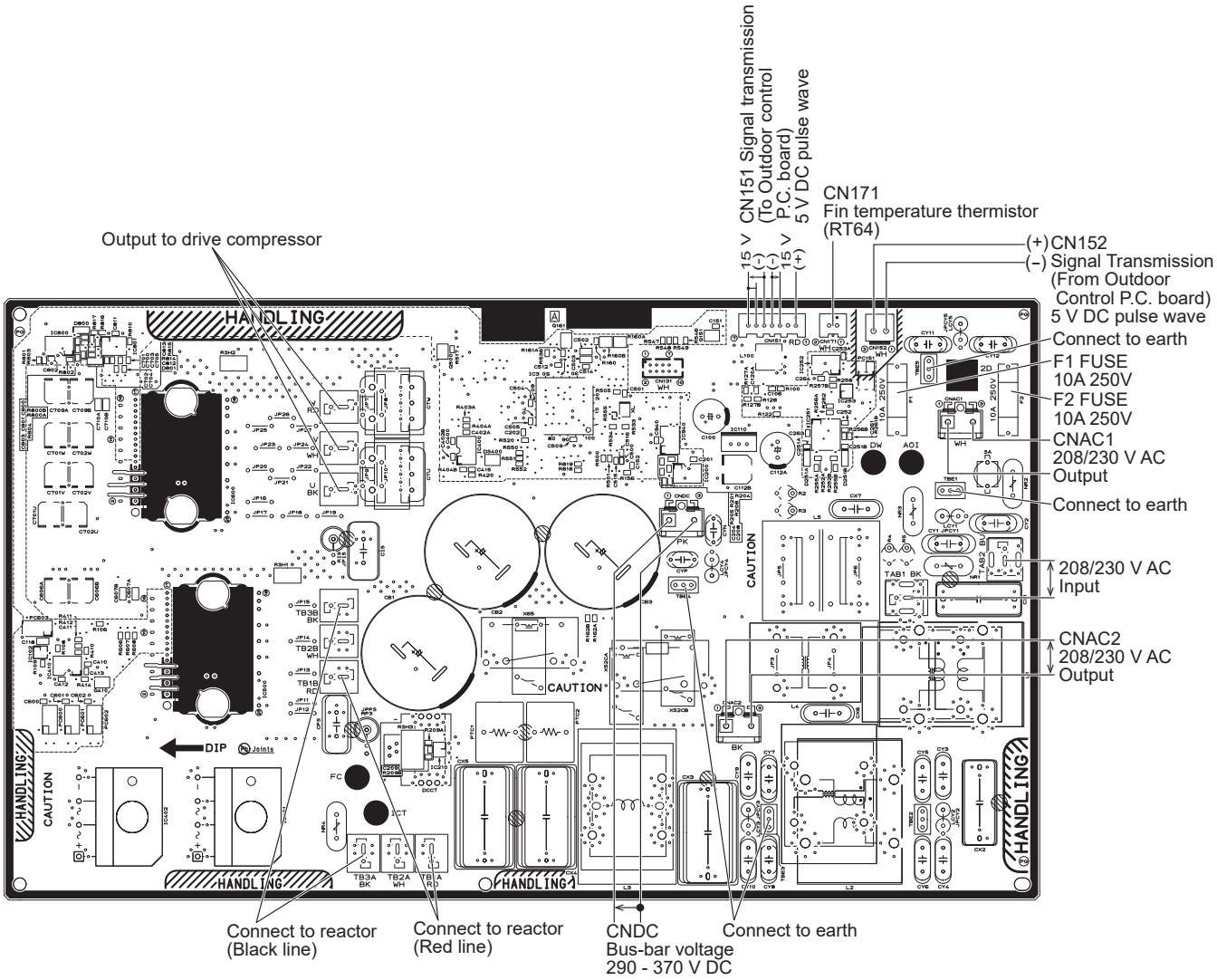
$Rt = 10\exp\{3950(\frac{1}{273+t} - \frac{1}{298})\}$

t : °C = (°F - 32)/1.8

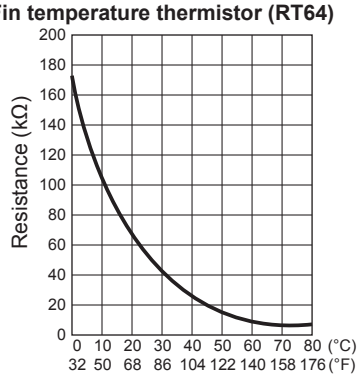


2. Outdoor power P.C. board

MXZ-2D20NL



Fin temperature thermistor (RT64)



Thermistor R50 = 17 kΩ ± 2%

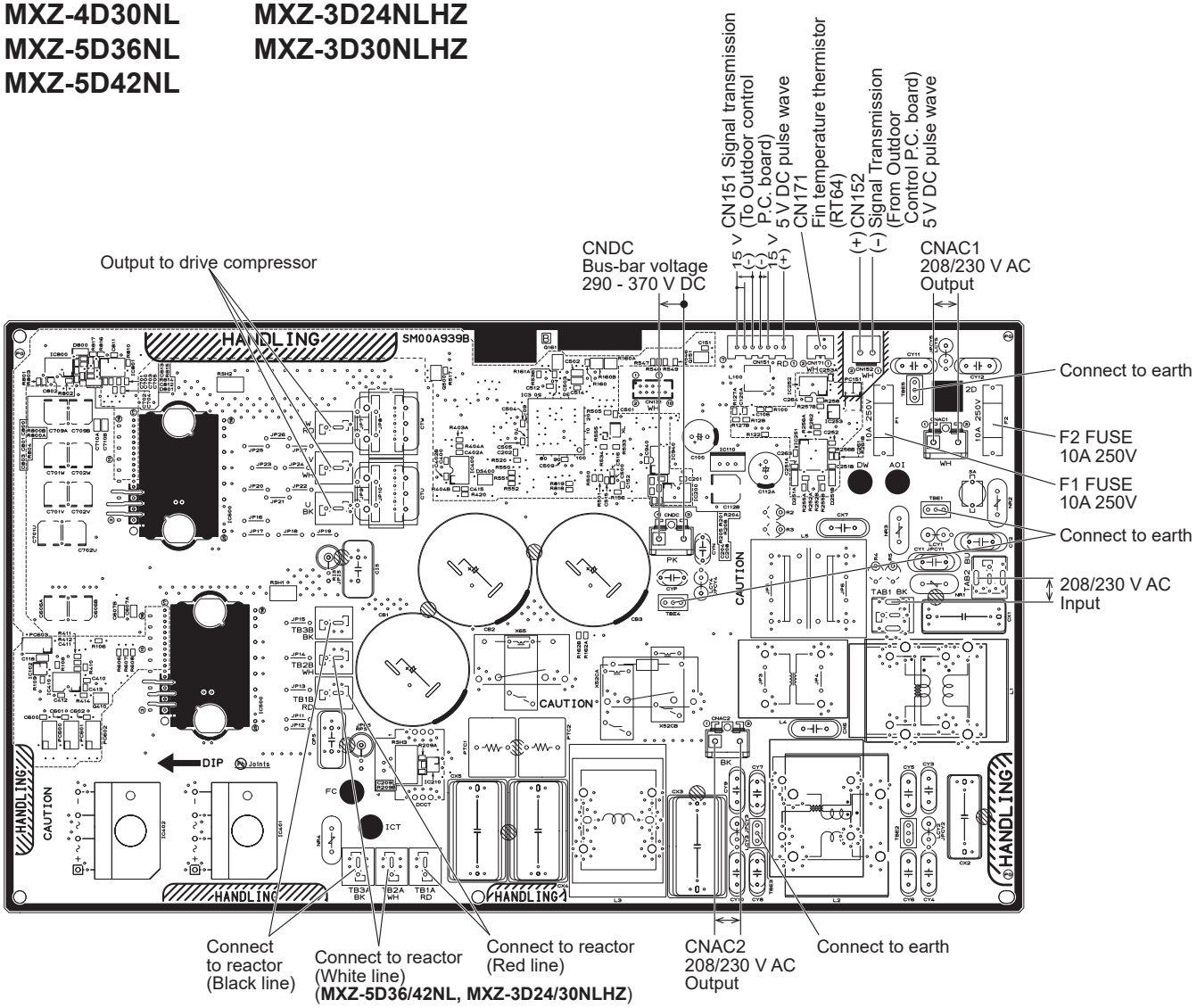
B constant = 4150 ± 3%

$Rt = 17\exp\{4150(\frac{1}{273+t} - \frac{1}{323})\}$

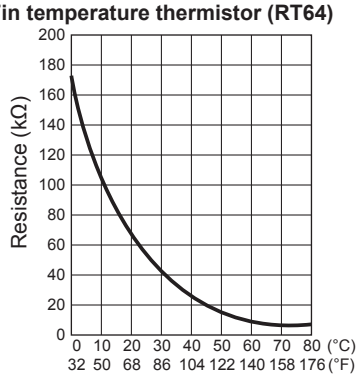
t : °C = (°F - 32)/1.8

2. Outdoor power P.C. board

MXZ-3D24NL **MXZ-2D20NLHZ**
MXZ-4D30NL **MXZ-3D24NLHZ**
MXZ-5D36NL **MXZ-3D30NLHZ**
MXZ-5D42NL



Fin temperature thermistor (RT64)



Thermistor R50 = 17 kΩ ± 2%
B constant = 4150 ± 3%

$$Rt = 17\exp\{4150(\frac{1}{273+t} - \frac{1}{323})\}$$

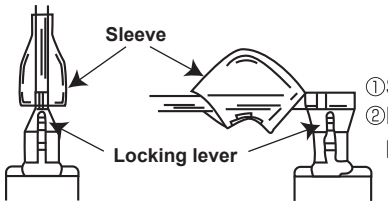
t : °C = (°F - 32)/1.8

13 DISASSEMBLY INSTRUCTIONS

<Detaching method of the terminal with locking mechanism>

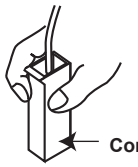
The terminal which has the locking mechanism can be detached as shown below.
There are 2 types of the terminal with locking mechanism.
The terminal without locking mechanism can be detached by pulling it out.
Check the shape of the terminal before detaching.

(1) Slide the sleeve and check if there is a locking lever or not.



①Slide the sleeve.
②Pull the terminal while pushing the locking lever.

(2) The terminal with this connector shown below has the locking mechanism.

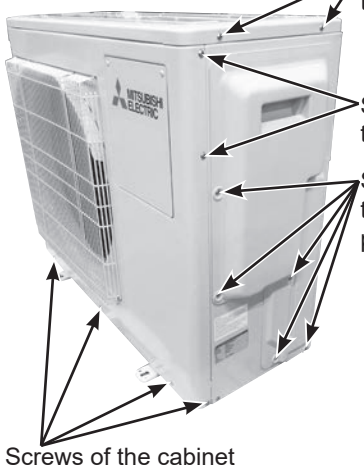
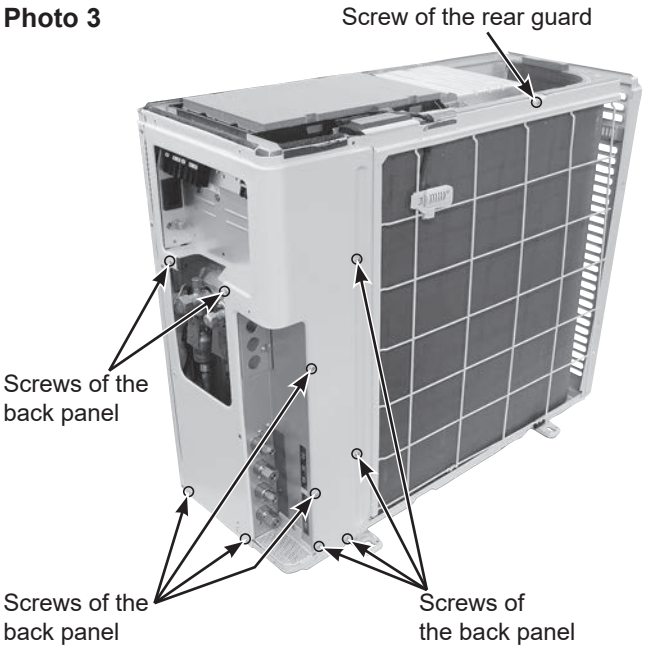
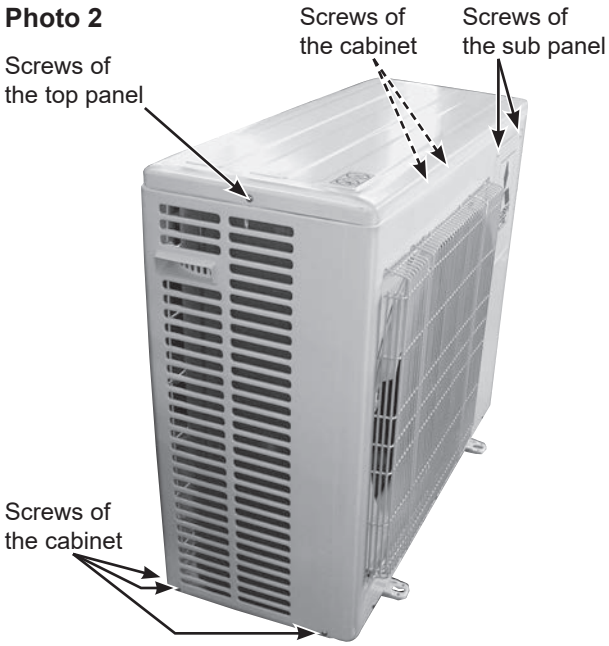


①Hold the sleeve, and pull out the terminal slowly.

13-1. MXZ-2D20NL

NOTE: Turn OFF the power supply before disassembly.

——►: Indicates the visible parts in the photos/figures.
- - - -►: Indicates the invisible parts in the photos/figures.

OPERATING PROCEDURE	PHOTOS/FIGURES
1. Removing the cabinet and the panels (1) Remove all the screws of the service panel, and remove the service panel. (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Remove all the screws of the top panel, and remove the top panel. (4) Remove all the screws of the cabinet, and remove the cabinet. (5) Remove all the screws of the back panel, and remove the back panel (Photo 3).	**Photo 1** 
Photo 3  	**Photo 2** 

OPERATING PROCEDURE

2. Removing the outdoor control P.C. board, the outdoor power P.C. board and the reactor

(1) Remove the service panel (Photo 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires.
(3) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3).
(4) Disconnect all the connectors and the lead wires on the outdoor control P.C. board.
(5) Disengage all the catches of the outdoor control P.C. board, and remove the outdoor control P.C. board.
(6) Remove all the screws of the electrical box assembly, disengage all the catches of the electrical box assembly, and remove the electrical box assembly.
(7) Remove all the screws of outdoor control P.C. board holder, and remove the outdoor control P.C. board holder.
(8) Remove all the screws of the reactor, and remove the reactor.
(9) Remove all the screws of the reactor bed, and remove the reactor bed.
(10) Remove all the screws of the heat sink support, and remove the heat sink support.
(11) Remove all the screws fixing the outdoor power P.C. board.
(12) Disconnect the connectors and the lead wires on the outdoor power P.C. board.

PHOTOS/FIGURES

Photo 4

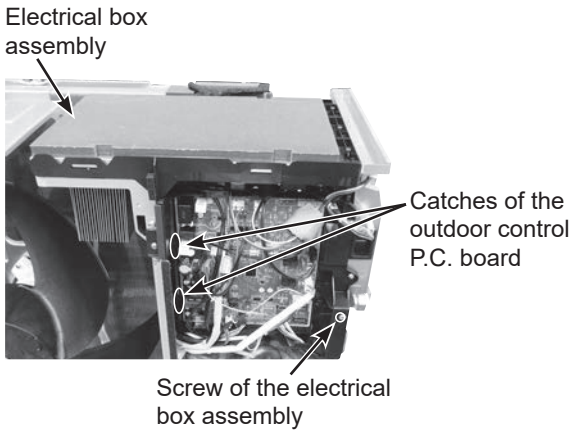


Photo 5

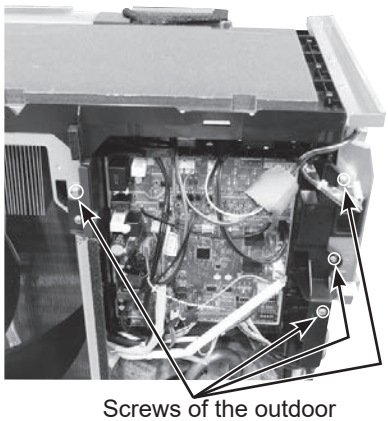


Photo 6

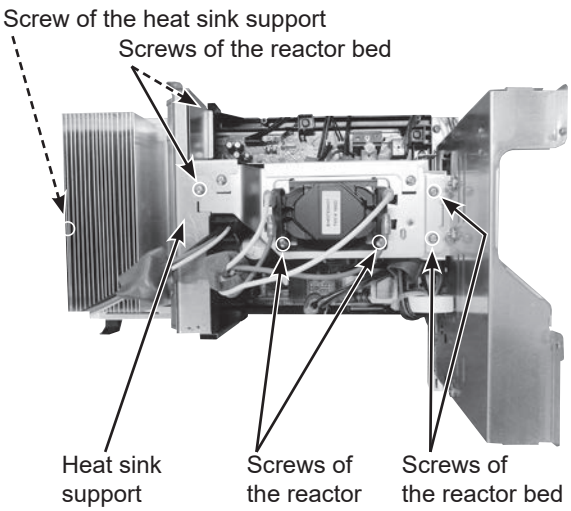
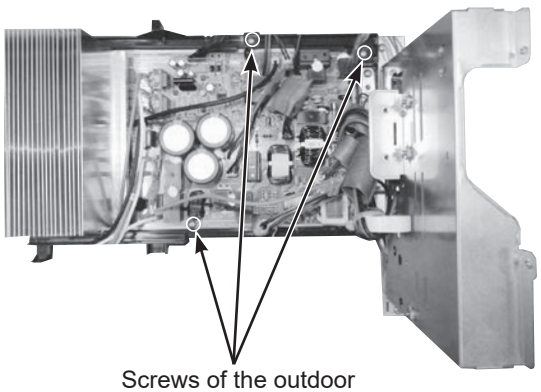
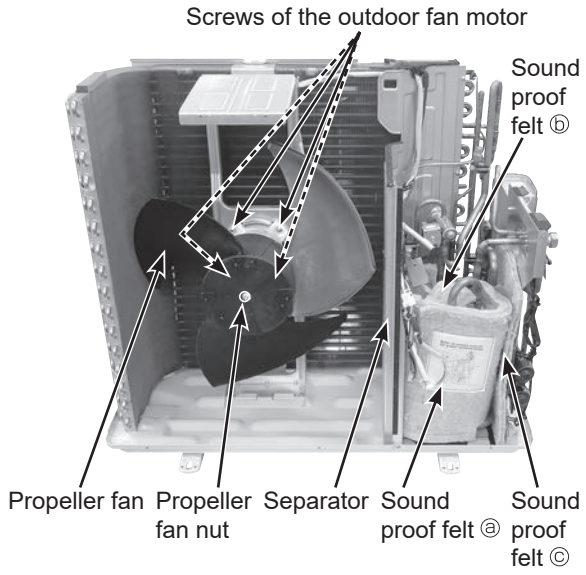


Photo 7



OPERATING PROCEDURE	PHOTOS/FIGURES
3. Removing the fan motor (1) Remove the service panel (Photo 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3). (4) Disconnect the connectors of CN712, CNF1, CNTH1, CNTH2, CN63H, CN791, CN792 on the outdoor control P.C. board and disconnect the relay connector of the compressor lead wire. (5) Remove all the screws of the electrical box assembly, and remove the electrical box assembly (Photo 4). (6) Remove the propeller fan. (7) Remove the fan motor. **NOTE:** The propeller fan nut is a reverse thread.	**Photo 8** 

OPERATING PROCEDURE

4. Removing the compressor and the 4-way valve

(1) Remove the service panel (Photo 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires.
(3) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3).
(4) Recover gas from the refrigerant circuit.
NOTE: Recover gas from the pipes until the pressure gauge shows 0 PSIG.
(5) Disconnect the outdoor control P.C. board connectors: CNF1, CNTH1, CNTH2, CN63H, CN791, CN792, CN712.
(6) Remove all the screws of the electrical box assembly, and remove the electrical box assembly (Photo 4).
(7) Remove the propeller fan.
(8) Remove the sound proof felt ⓐ, ⓑ and ⓒ.
(9) Remove the terminal cover, and remove thermal protector (TRS).
(10) Disconnect the compressor lead wire from the terminal of the compressor (U, V, W).
(11) Remove all the screws of the separator, and remove the separator.
(12) Detach all the brazed parts of the compressor suction and discharge pipes.
(13) Remove all the compressor nuts and remove the compressor.
(14) Detach all the brazed parts of the 4-way valve and pipe.

NOTE: Be careful not to expose the fusible plug to the braze torch flame or transfer heat to it. The temperature of the fusible plug must not become 140°F (60°C) or higher while working. Protect the fusible plug with a wet cloth when necessary.
(The fusible plug breaks at 158°F [70°C]).

NOTE: If the red labels have been removed during the operation, put them back in the original position after the operation. Red labels indicate the use of flammable refrigerants.

PHOTOS/FIGURES

Photo 9

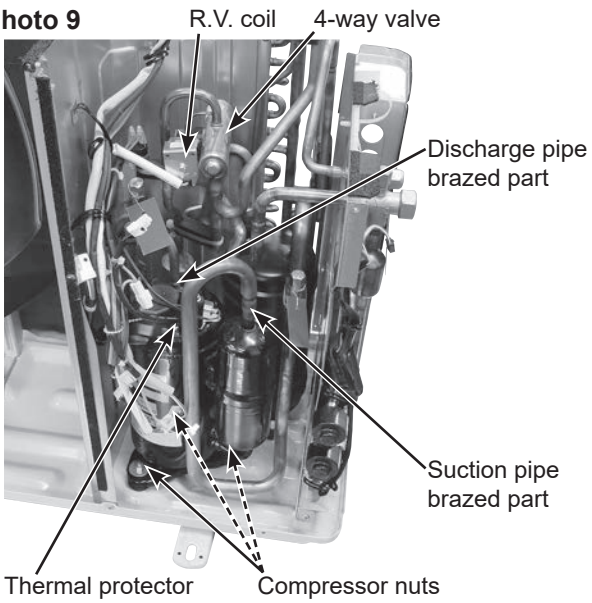
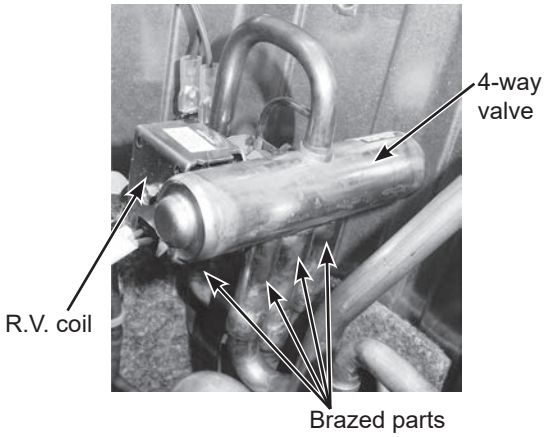
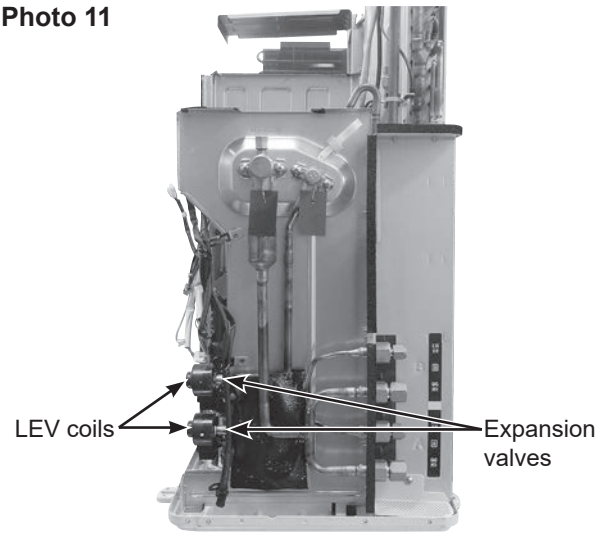
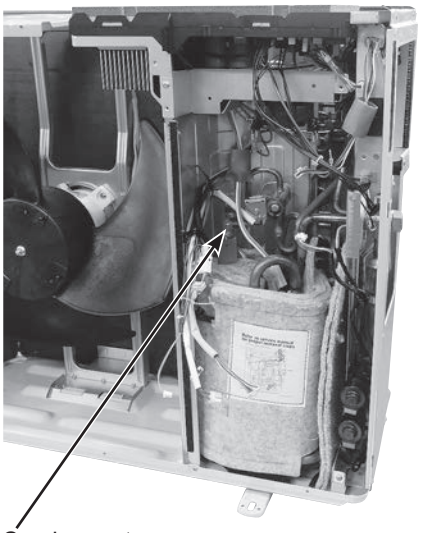


Photo 10



OPERATING PROCEDURE	PHOTOS/FIGURES
5. Removing the expansion valve **NOTE:** Gas recovery is not required if the unit is pumped down. (1) Remove the top panel and the service panel (Refer to section 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Remove all the LEV coils. (4) Detach all the brazed parts of the expansion valves and pipes.	**Photo 11** 
6. Before using the service port (High pressure side) (1) Remove the service panel (Photo 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Remove the top panel, the cabinet, and the back panel (Photo 1, 2, 3). (4) Disconnect all the connectors and the lead wires on the outdoor control P.C. board. (5) Remove all the screws of outdoor control P.C. board holder, and remove the outdoor control P.C. board holder (Photo 5). (6) Make sure that the service port is visible.	**Photo 12** 

13-2. MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ

NOTE: Turn OFF the power supply before disassembly. **Photos: MXZ-4D30NL**

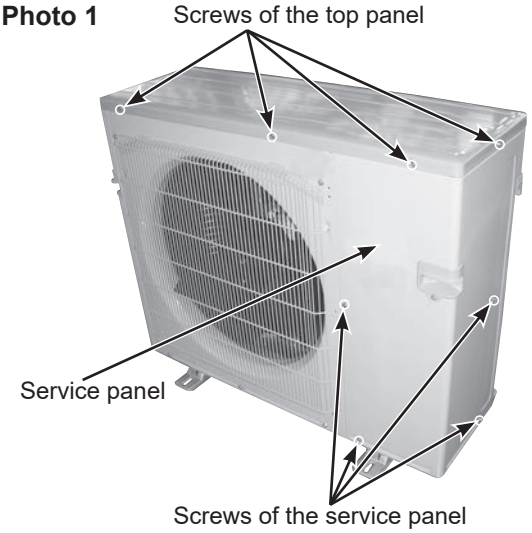
OPERATING PROCEDURE	PHOTOS/FIGURES
1. Removing the panels (1) Remove all the screws fixing the top panel, and remove the top panel. (2) Remove all the screws fixing the service panel. (3) Pull down on the service panel, and remove the service panel. (4) Disconnect the power supply cord and indoor/outdoor connecting wires. (5) Remove all the screws fixing the front panel, and remove the front panel. (6) Remove all the screws fixing the back panel, and remove the back panel.	**Photo 1** 

Photo 3

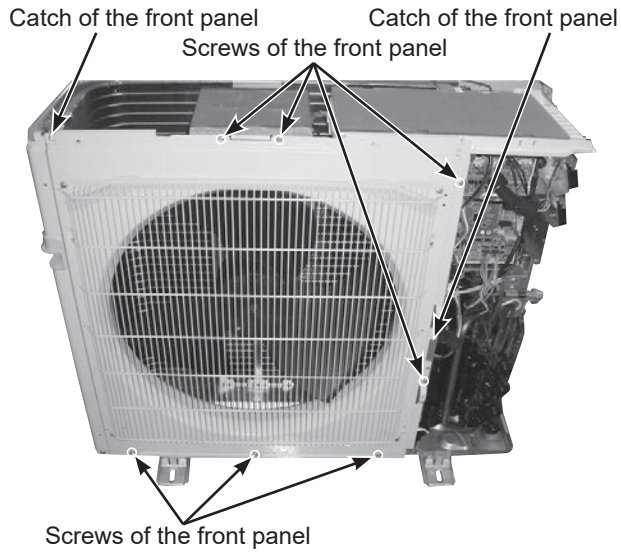
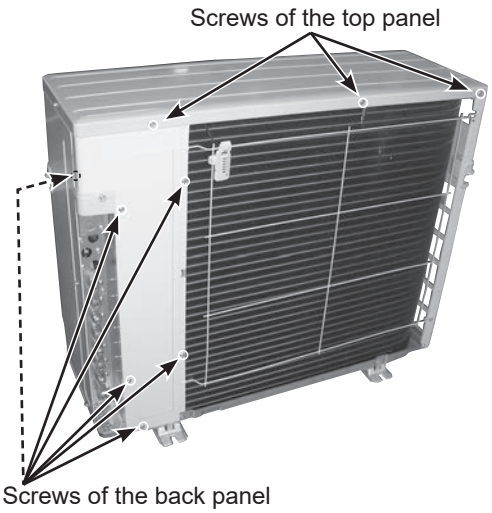


Photo 2



OPERATING PROCEDURE

2. Removing the outdoor control P.C. board, the reactor, the outdoor power P.C. board, and the heatsink

(1) Remove the top panel and the service panel (Refer to section 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires.
(3) Disconnect the wire-to-wire connector of the compressor lead wire (Photo 4).
(4) Disconnect all the connectors on the outdoor control P.C. board.
(5) Remove the releasable cable tie securing the lead wires of core, TBE1, CNTH2, and CNAC2 (Photo 4).
(6) Remove all the screws fixing the outdoor control P.C. board holder (Photo 4).
(7) Remove the lead wires of TBE1, CNTH2, and CNAC2 from the right hook on the top of the outdoor control P.C. board holder (Photo 4, ⓐ).
(8) Remove the lead wires of CN151 and CN152 from the left hooks on the top and the bottom of the outdoor control P.C. board holder (Photo 4, ⓑ and 5).
(9) Remove the outdoor control P.C. board holder.
(10) Disengage all the catches of the outdoor control P.C. board holder, and remove the outdoor control P.C. board (Photo 6).
(11) Disconnect all the lead wires from the reactor (Photo 7).
(12) Remove all the screws fixing the reactor, and remove the reactor (Photo 7).
(13) Remove all the lead wires from the clamps on the separator (Photo 8).

PHOTOS/FIGURES

Photo 6

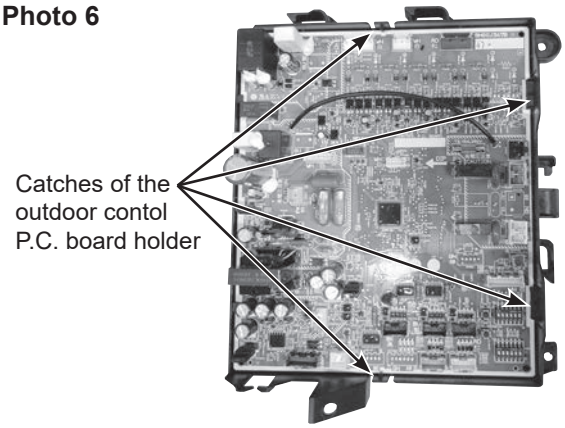


Photo 7

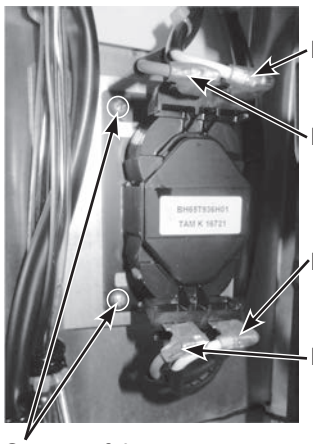


Photo 4

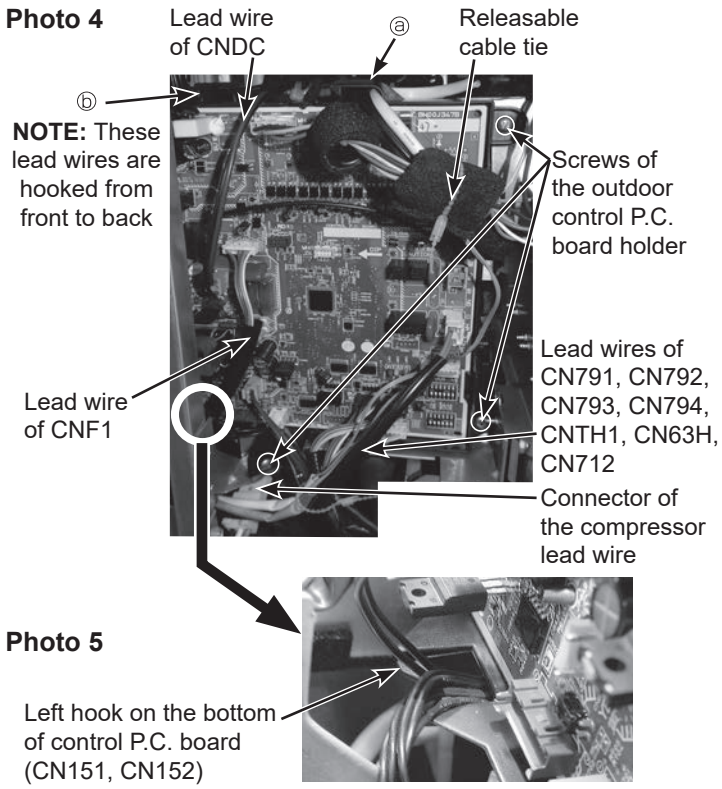
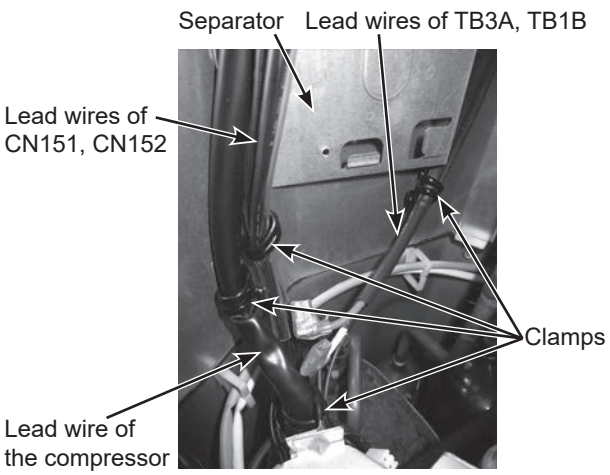


Photo 5

Photo 8



OPERATING PROCEDURE

(14) Disengage all the catches of the PB cover, and remove the PB cover (Photo 9).
(15) Remove the screw fixing the outdoor power P.C. board and all the screws fixing the outdoor power P.C. board and the heatsink (Photo 10).
(16) Disengage all the catches of the outdoor power P.C. board, and lift the outdoor power P.C. board (Photo 10).
(17) While lifting the outdoor power P.C. board, disconnect the lead wires, the connectors, and the earth wires; then remove the outdoor power P.C. board (Photo 11).
NOTE: When reassembling, pass the lead wire of the CN171 thorough the notch and behind the lead wire of the compressor (Photo 12).
(18) Remove all the screws of the heatsink fixing parts and remove the heatsink fixing parts (Photo 13).
(19) Remove the heatsink.

PHOTOS/FIGURES

Photo 9

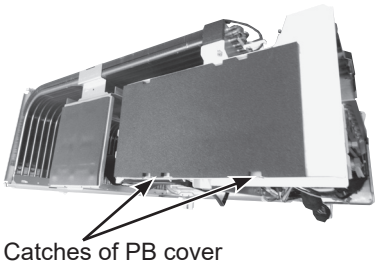


Photo 10

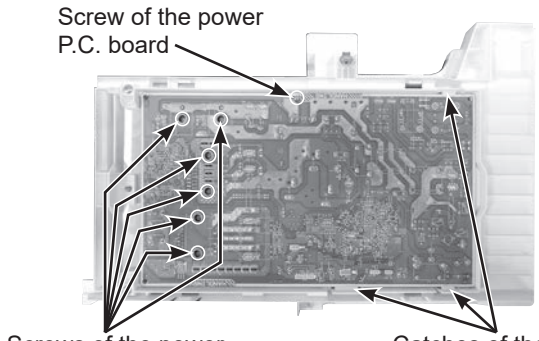
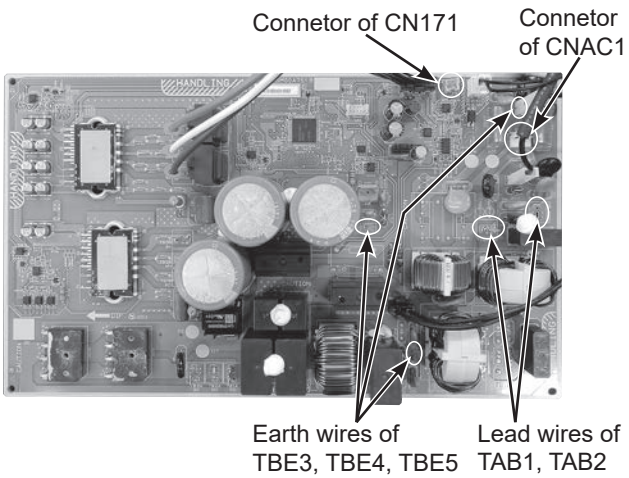
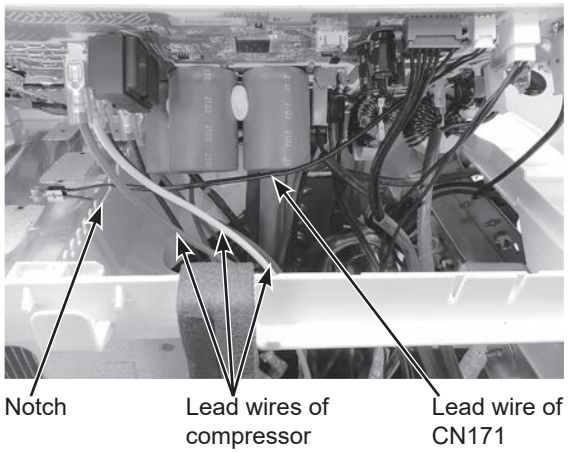
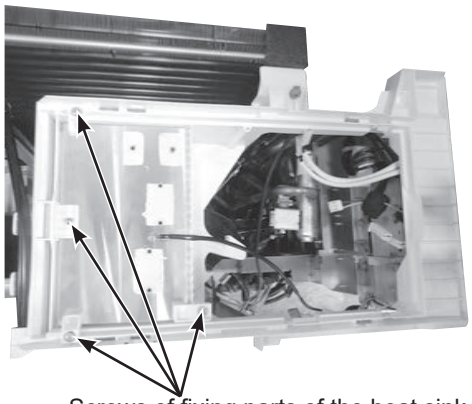
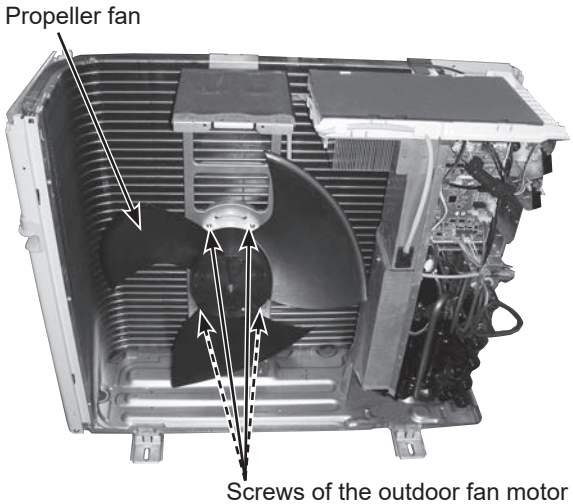


Photo 11



OPERATING PROCEDURE	PHOTOS/FIGURES
Photo 12  	**Photo 13** 
3. Removing the fan motor (1) Remove the top panel, the service panel, and the front panel (Refer to section 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Disconnect the connector of CNF1 on the outdoor control P.C. board. (4) Remove the propeller fan. (5) Remove the fan motor. **NOTE:** The propeller fan nut is a reverse thread.	**Photo 14** 

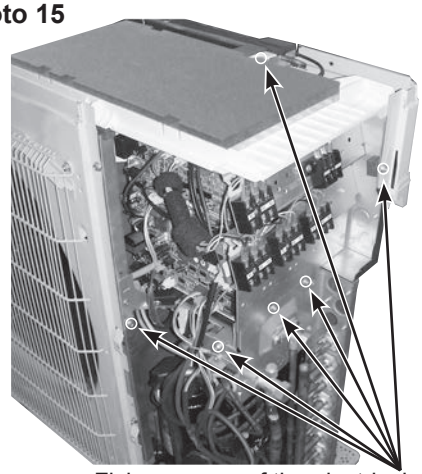
OPERATING PROCEDURE

4. Removing the fusible plug (the 4-way valve assembly)

(1) Remove the top panel, the service panel, and the front panel (Refer to section 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires, and remove the back panel.
(3) Recover gas from the refrigerant circuit.
NOTE: Recover gas from the pipes until the pressure gauge shows 0 PSIG.
(4) Disconnect the outdoor control P.C. board connectors: CNF1, CNTH1, CNTH2, CN63H, CN712, CN791, CN792, CN793 **(MXZ-3D, MXZ-4D)**, CN794 **(MXZ-3D, MXZ-4D)**
(5) Remove all the screws fixing the electrical parts, and remove the electrical parts (Photo 15).
(6) Remove the propeller fan.
(7) Remove all the screws fixing the separator, and remove the separator.
NOTE: When installing the separator, insert the tabs of the heat exchanger into the separator.
(8) Remove all the sound proof felts.
(9) Remove the screws of the 4-way valve assembly and detach the brazed part of the 4-way valve assembly (including fusible plug) (Photo 16).
NOTE 1: Be careful not to expose the fusible plug to the braze torch flame or transfer heat to it. The temperature of the fusible plug must not become 140°F (60°C) or higher while working. Protect the fusible plug with a wet cloth when necessary. (The fusible plug breaks at 158°F [70°C]). (Photo 17)
NOTE 2: After attaching the 4-way valve assembly, be sure to attach a rubber mount below the fusible plug. Make sure that the rubber mount touches the flare nut. (Photo 17)

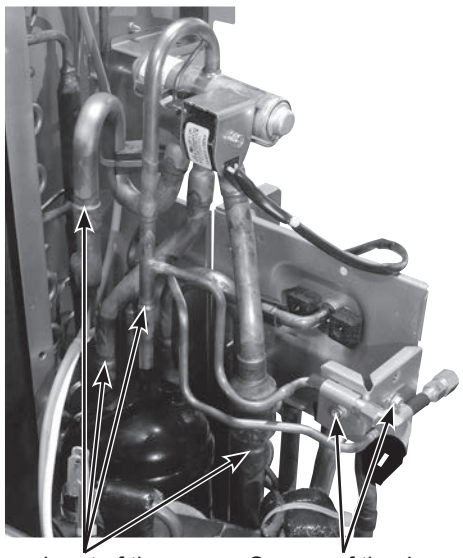
PHOTOS/FIGURES

Photo 15



Fixing screws of the electrical parts

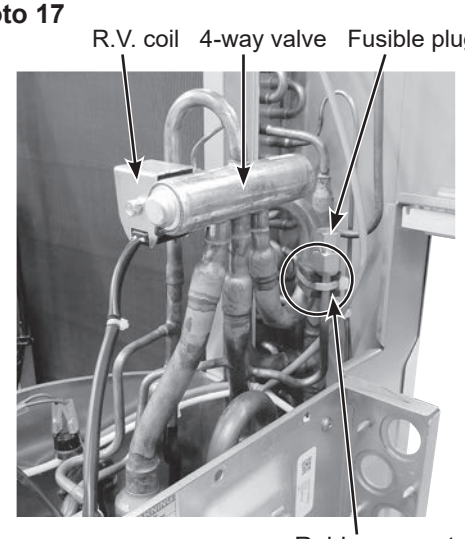
Photo 16

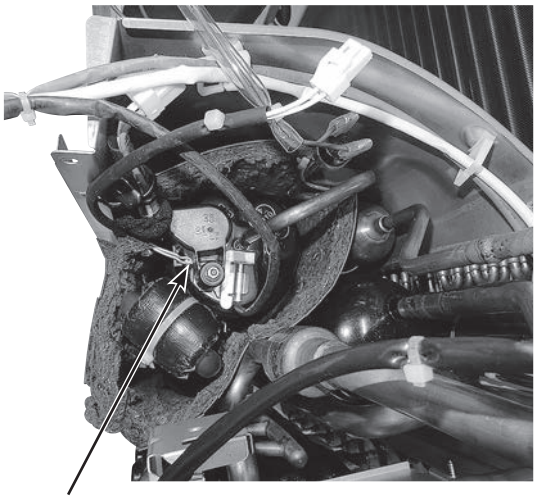
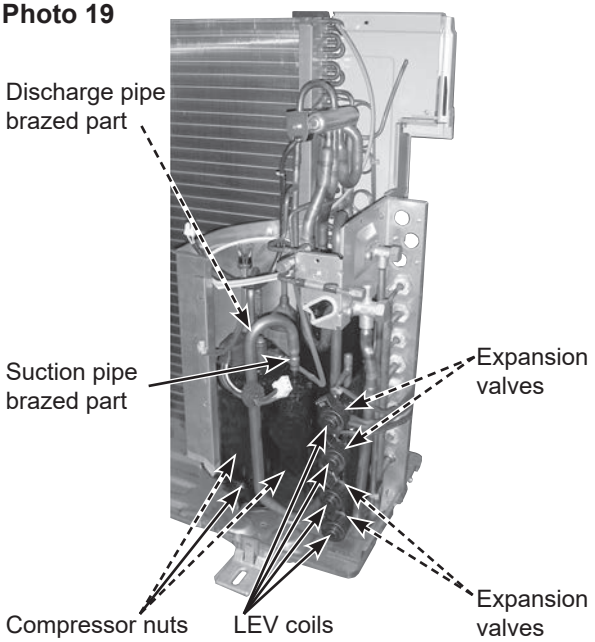


Brazed part of the 4-way valve assembly

Screws of the 4-way valve assembly

Photo 17



OPERATING PROCEDURE	PHOTOS/FIGURES
5. Removing the compressor and 4-way valve (1) Remove the top panel, the service panel, and the front panel (Refer to section 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires, and remove the back panel. (3) Recover gas from the refrigerant circuit. **NOTE:** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4) Disconnect the outdoor control P.C. board connectors: CNF1, CNTH1, CNTH2, CN63H, CN712, CN791, CN792, CN793 **(MXZ-3D, MXZ-4D)**, CN794 **(MXZ-3D, MXZ-4D)** (5) Remove all the screws fixing the electrical parts, and remove the electrical parts. (6) Remove the propeller fan. (7) Remove all the screws fixing the separator, and remove the separator. (8) Remove the sound proof felt. (9) Remove the terminal cover, and remove thermal protector (TRS) (Photo 18). (10) Disconnect the compressor lead wire from the terminal of the compressor (U, V, W). (11) Detach all the brazed parts of the compressor suction and discharge pipes (Photo 19). (12) Remove all the compressor nuts and remove the compressor (Photo 19). (13) Detach all the brazed parts of 4-way valve and pipes. **NOTE:** Be careful not to expose the fusible plug to the braze torch flame or transfer heat to it. The temperature of the fusible plug must not become 140°F (60°C) or higher while working. Protect the fusible plug with a wet cloth when necessary. (The fusible plug breaks at 158°F [70°C]).	**Photo 18**  Thermal protector
6. Removing the expansion valve **NOTE:** Gas recovery is not required if the unit is pumped down. (1) Remove the top panel and the service panel (Refer to section 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Remove all the LEV coils. **NOTE:** When reassembling, to secure the LEV coils on the pipe, make sure to use the metal clips for proper positioning. (4) Detach all the brazed parts of the expansion valves and pipes.	**Photo 19**  Discharge pipe brazed part Suction pipe brazed part Expansion valves Compressor nuts LEV coils Expansion valves

13-3. MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ

NOTE: Turn OFF the power supply before disassembly. **Photos: MXZ-5D36NL**

OPERATING PROCEDURE

1. Removing the panels

(1) Remove all the screws fixing the top panel, and remove the top panel.
(2) Remove all the screws fixing the service panel.
(3) Pull down on the service panel, and remove the service panel.
(4) Remove all the screws fixing the conduit panel, and remove the conduit panel.
(5) Remove all the screws fixing the cable guide, and remove the cable guide.
(6) Disconnect the power supply cord and indoor/outdoor connecting wires.
(7) Remove all the screws fixing the front panel, and remove the front panel.
(8) Remove all the screws fixing the back panel, and remove the back panel.

PHOTOS/FIGURES

Photo 1

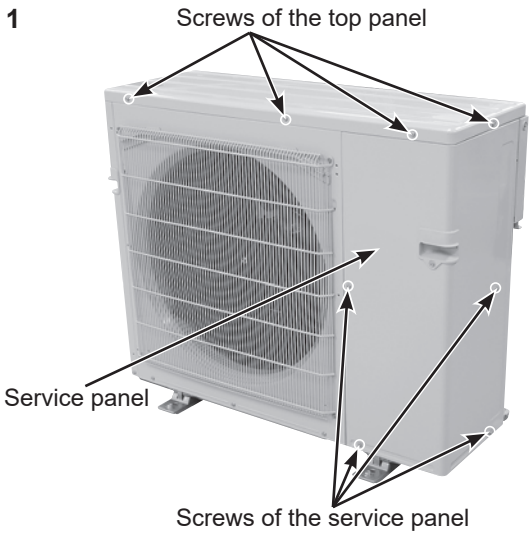


Photo 2

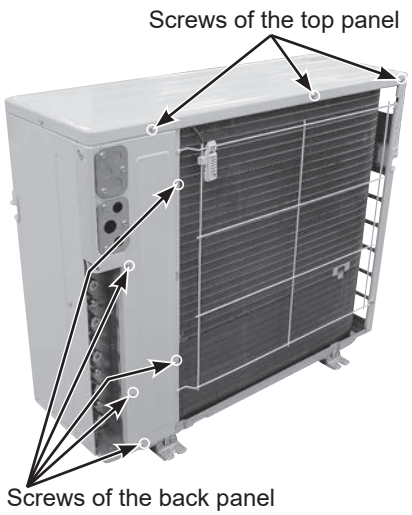


Photo 3

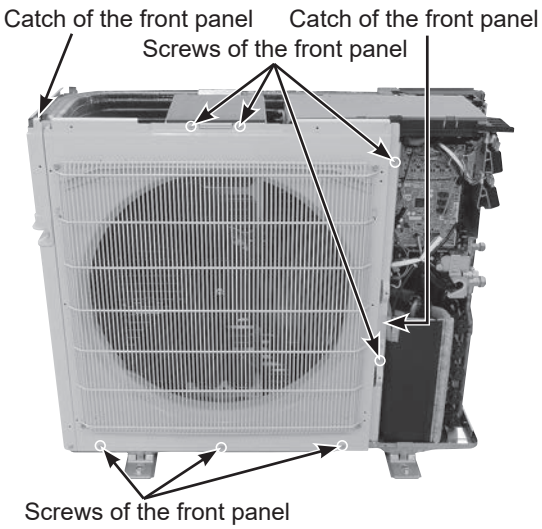


Photo 4

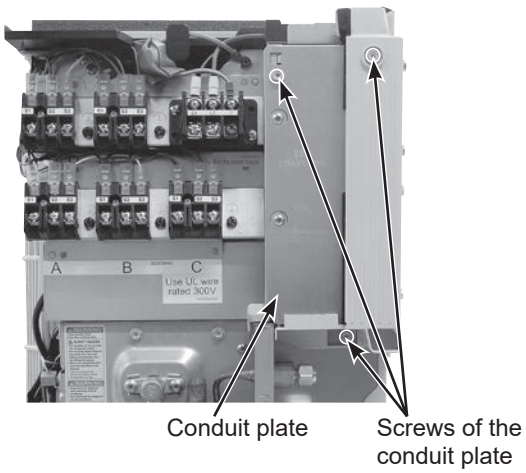
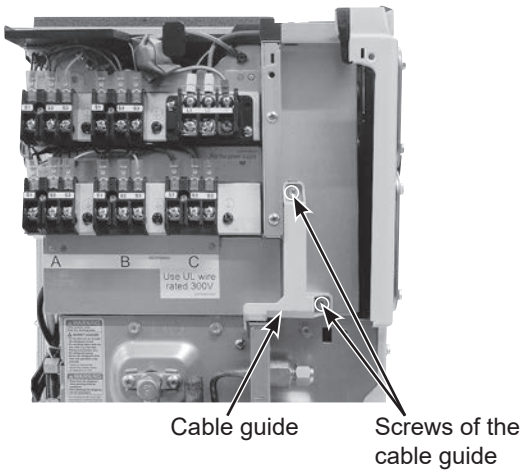


Photo 5



OPERATING PROCEDURE

2. Removing the outdoor control P.C. board, the reactor, the outdoor power P.C. board, and the heatsink

(1) Remove the top panel, the service panel, conduit panel and cable guide (Refer to section 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires.
(3) Disconnect the wire-to-wire connector of the compressor lead wire (Photo 6).
(4) Disconnect all the connectors on the outdoor control P.C. board.
(5) Remove the releasable cable tie securing the lead wires of core, TBE1, CNTH2, and CNAC2 (Photo 6).
(6) Remove all the screws fixing the outdoor control P.C. board holder (Photo 6).
(7) Remove the lead wires of TBE1, CNTH2, and CNAC2 from the right hook on the top of the outdoor control P.C. board holder (Photo 6, ⓐ).
(8) Remove the lead wires of CN151 and CN152 from the left hooks on the top and the bottom of the outdoor control P.C. board holder (Photo 6, ⓑ and 7).
(9) Remove the outdoor control P.C. board holder.
(10) Disengage all the catches of the outdoor control P.C. board holder, and remove the outdoor control P.C. board (Photo 8).
(11) Disconnect all the lead wires from the reactor (Photo 9).
(12) Remove all the screws fixing the reactor, and remove the reactor (Photo 9).
NOTE: When exchanging the reactor, make sure to exchange all the reactor.
(13) Remove all the lead wires from the clamps on the separator.

PHOTOS/FIGURES

Photo 8

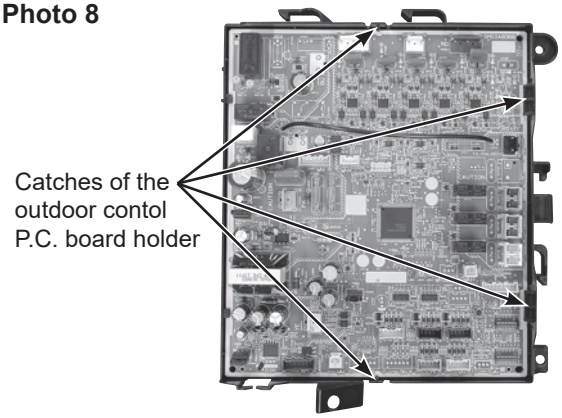


Photo 9

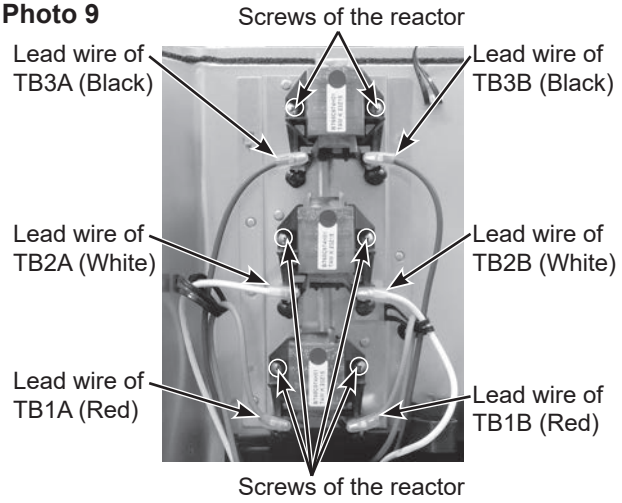


Photo 6

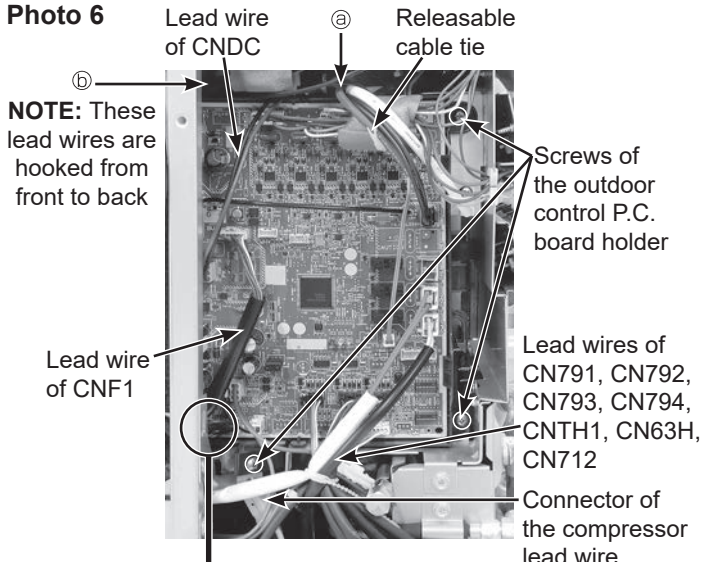
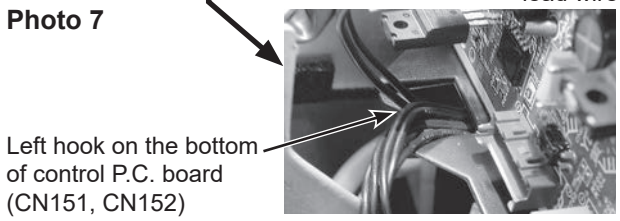


Photo 7



OPERATING PROCEDURE

(14) Disengage all the catches of the PB cover, and remove the PB cover (Photo 10).
(15) Remove the screw fixing the outdoor power P.C. board and all the screws fixing the outdoor power P.C. board and the heatsink (Photo 11).
(16) Disengage all the catches of the outdoor power P.C. board, and lift the outdoor power P.C. board (Photo 11).
(17) While lifting the outdoor power P.C. board, disconnect the lead wires, the connectors, and the earth wires; then remove the outdoor power P.C. board (Photo 12).
NOTE: When reassembling, pass the lead wire of the CN171 thorough the notch and behind the lead wire of the compressor (Photo 13).
(18) Remove all the screws of the heatsink fixing parts and remove the heatsink fixing parts (Photo 14).
(19) Remove the heatsink.

PHOTOS/FIGURES

Photo 10

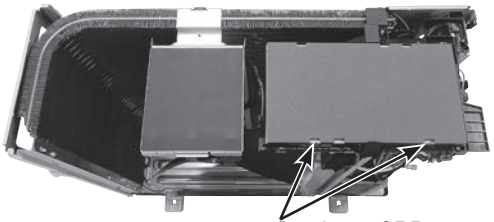


Photo 11

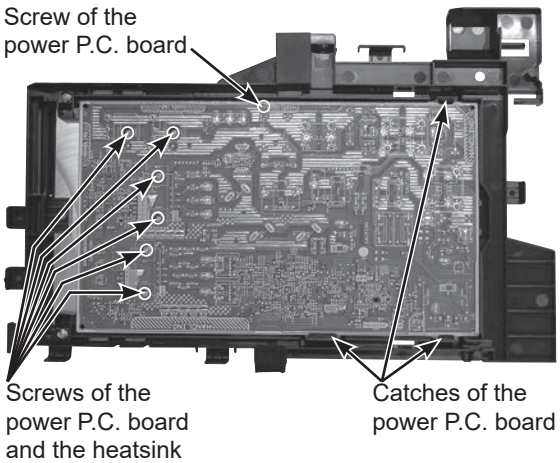
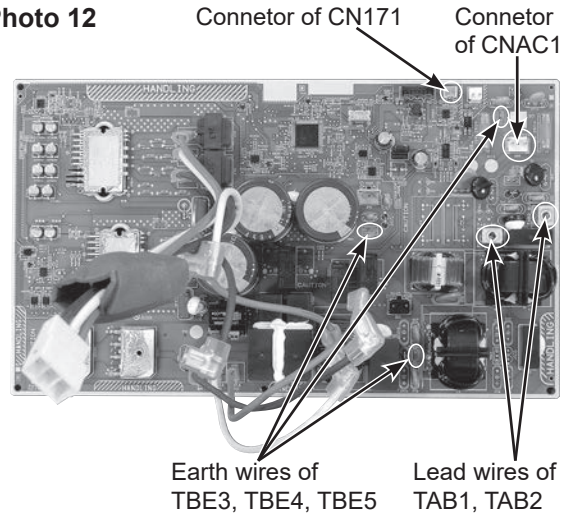
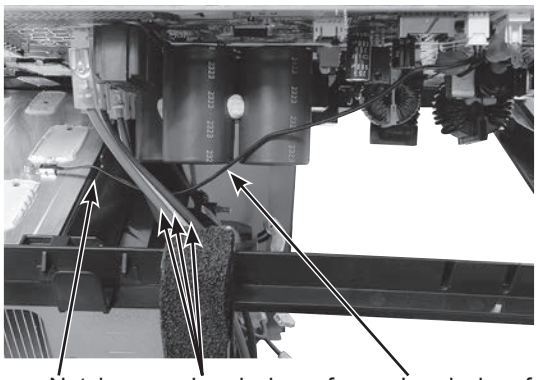
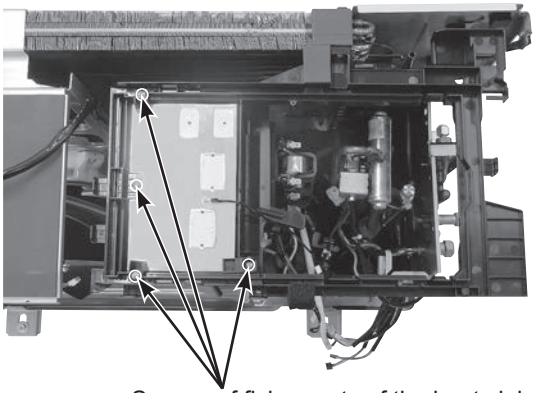
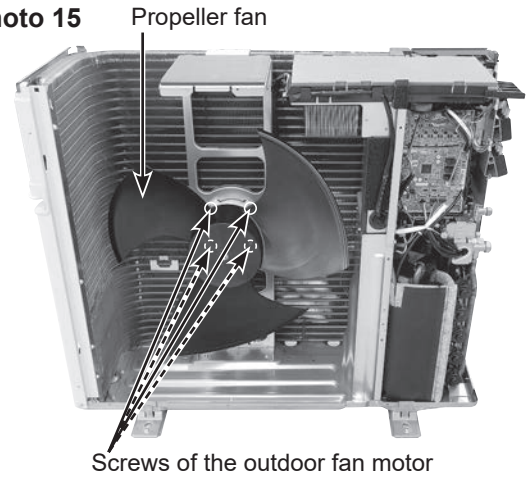


Photo 12



OPERATING PROCEDURE	PHOTOS/FIGURES
Photo 13  	**Photo 14** 
3. Removing the fan motor (1) Remove the top panel, the service panel, conduit panel and cable guide (Refer to section 1). (2) Disconnect the power supply cord and indoor/outdoor connecting wires. (3) Disconnect the connector of CNF1 on the outdoor control P.C. board. (4) Remove the propeller fan. (5) Remove the fan motor. **NOTE:** The propeller fan nut is a reverse thread.	**Photo 15** 

OPERATING PROCEDURE

4. Removing the fusible plug (the 4-way valve assembly)

(1) Remove the top panel, the service panel, conduit panel and cable guide (Refer to section 1).

(2) Disconnect the power supply cord and indoor/outdoor connecting wires, and remove the back panel.

(3) Recover gas from the refrigerant circuit.

NOTE: Recover gas from the pipes until the pressure gauge shows 0 PSIG.

(4) Disconnect the outdoor control P.C. board connectors: CNF1, CNTH1, CNTH2, CN63H, CN712, CN713, CN714 **(MXZ-3D)**, CN791, CN792, CN793, CN794 **(MXZ-5D)**, CN795 **(MXZ-5D)**.

(5) Remove all the screws fixing the electrical parts, and remove the electrical parts (Photo 16).

(6) Remove the propeller fan.

(7) Remove all the screws fixing the separator, and remove the separator.

NOTE: When installing the separator, insert the tabs of the heat exchanger into the separator.

(8) Remove all the sound proof felts.

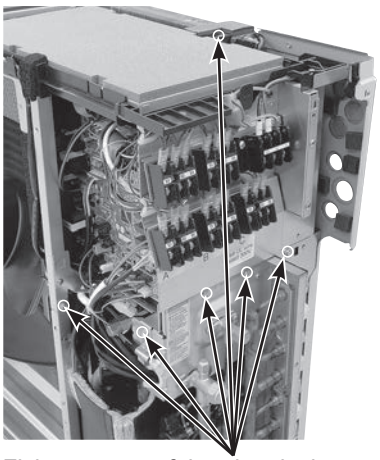
(9) Remove the screws of the 4-way valve assembly and detach the brazed part of the 4-way valve assembly (including fusible plug) (Photo 17).

NOTE 1: Be careful not to expose the fusible plug to the braze torch flame or transfer heat to it. The temperature of the fusible plug must not become 140°F (60°C) or higher while working. Protect the fusible plug with a wet cloth when necessary.
(The fusible plug breaks at 158°F [70°C]). (Photo 18)

NOTE 2: After attaching the 4-way valve assembly, be sure to attach a rubber mount below the fusible plug. Make sure that the rubber mount touches the flare nut. (Photo 18)

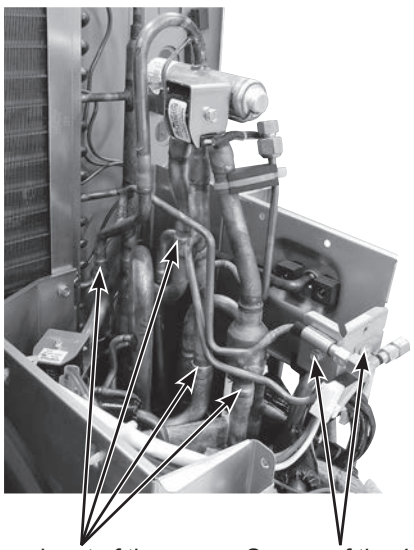
PHOTOS/FIGURES

Photo 16



Fixing screws of the electrical parts

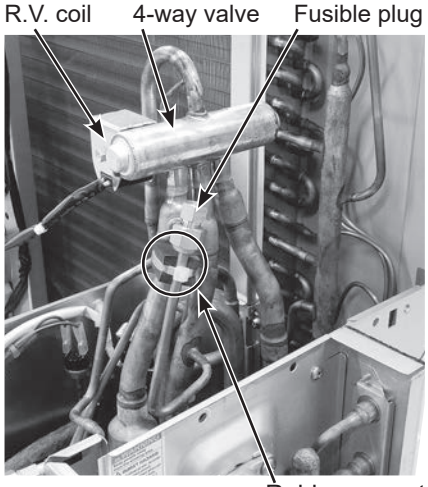
Photo 17



Brazed part of the 4-way valve assembly

Screws of the 4-way valve assembly

Photo 18



OPERATING PROCEDURE

5. Removing the compressor and 4-way valve

(1) Remove the top panel, the service panel, conduit panel and cable guide (Refer to section 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires, and remove the back panel.
(3) Recover gas from the refrigerant circuit.
NOTE: Recover gas from the pipes until the pressure gauge shows 0 PSIG.
(4) Disconnect the outdoor control P.C. board connectors: CNF1, CNTH1, CNTH2, CN63H, CN712, CN713, CN714 **(MXZ-3D)**, CN791, CN792, CN793, CN794 **(MXZ-5D)**, CN795 **(MXZ-5D)**.
(5) Remove all the screws fixing the electrical parts, and remove the electrical parts.
(6) Remove the propeller fan.
(7) Remove all the screws fixing the separator, and remove the separator.
(8) Remove the sound proof felt.
(9) Remove the terminal cover, and remove thermal protector (TRS) (Photo 19).
(10) Disconnect the compressor lead wire from the terminal of the compressor (U, V, W).
(11) Remove the rubber mount and rubber tube attached to the suction pipe.
(12) Detach all the brazed parts of the compressor suction and discharge pipes (Photo 20).
(13) Remove all the compressor nuts and remove the compressor (Photo 19).
(14) Detach all the brazed parts of 4-way valve and pipes.

NOTE: Be careful not to expose the fusible plug to the braze torch flame or transfer heat to it. The temperature of the fusible plug must not become 140°F (60°C) or higher while working. Protect the fusible plug with a wet cloth when necessary.
(The fusible plug breaks at 158°F [70°C]).

6. Removing the expansion valve

NOTE: Gas recovery is not required if the unit is pumped down.
(1) Remove the top panel, the service panel, conduit panel and cable guide (Refer to section 1).
(2) Disconnect the power supply cord and indoor/outdoor connecting wires.
(3) Remove all the LEV coils.
NOTE: When reassembling, to secure the LEV coils on the pipe, make sure to use the metal clips for proper positioning.
(4) Detach all the brazed parts of the expansion valves and pipes.

PHOTOS/FIGURES

Photo 19

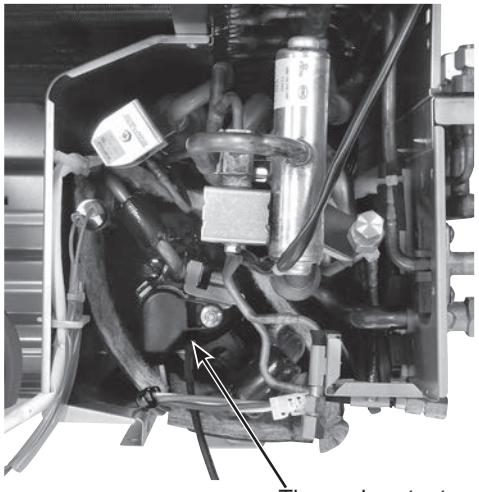
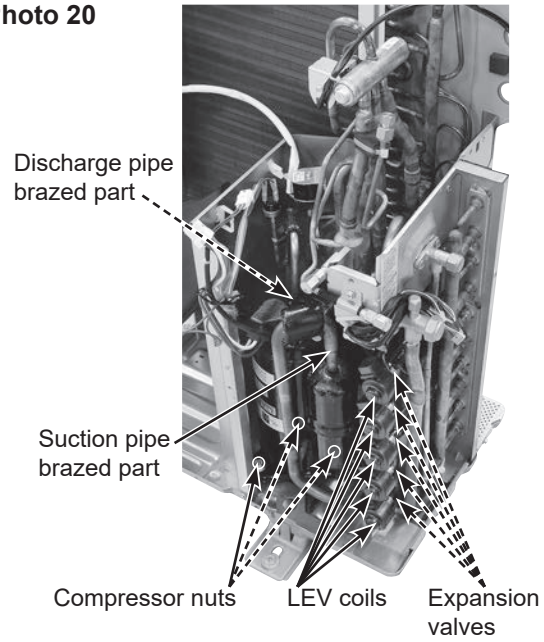


Photo 20



14 COMBINATION TABLE

MXZ-2D20NL combination table (Cooling) Non-duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		6000		6000	540	2.6	2.4
09		Wall		9000		9000	670	3.3	2.9
12		Wall		12000		12000	800	3.9	3.5
15		Wall		15000		15000	1020	5.0	4.5
06	06	Wall	Wall	6000	6000	12000	1000	4.9	4.4
06	09	Wall	Wall	6000	9000	15000	1460	7.1	6.4
06	12	Wall	Wall	6000	12000	18000	1384	6.7	6.1
06	15	Wall	Wall	5710	14290	20000	1530	7.4	6.7
09	09	Wall	Wall	9000	9000	18000	1384	6.7	6.1
09	12	Wall	Wall	8570	11430	20000	1530	7.4	6.7
09	15	Wall	Wall	7500	12500	20000	1540	7.5	6.8
12	12	Wall	Wall	10000	10000	20000	1540	7.5	6.8

MXZ-2D20NL combination table (Cooling) Duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		9000		9000	730	3.5	3.2
12		Duct		12000		12000	990	4.8	4.3
15		Duct		15000		15000	1540	7.5	6.8
09	09	Duct	Duct	9000	9000	18000	1790	8.7	7.9
09	12	Duct	Duct	8570	11430	20000	2000	9.7	8.8
09	15	Duct	Duct	7500	12500	20000	2020	9.8	8.9
12	12	Duct	Duct	10000	10000	20000	2020	9.8	8.9

MXZ-2D20NL combination table (Heating) Non-duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		7400		7400	670	3.3	2.9
09		Wall		11000		11000	900	4.4	4.0
12		Wall		13600		13600	1240	6.0	5.4
15		Wall		18000		18000	1670	8.1	7.3
06	06	Wall	Wall	7400	7400	14800	1130	5.5	5.0
06	09	Wall	Wall	7360	11040	18400	1390	6.8	6.1
06	12	Wall	Wall	7330	14670	22000	1641	8.0	7.2
06	15	Wall	Wall	6290	15710	22000	1650	8.0	7.2
09	09	Wall	Wall	11000	11000	22000	1641	8.0	7.2
09	12	Wall	Wall	9430	12570	22000	1650	8.0	7.2
09	15	Wall	Wall	8250	13750	22000	1700	8.3	7.5
12	12	Wall	Wall	11000	11000	22000	1700	8.3	7.5

MXZ-2D20NL combination table (Heating) Duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		10900		10900	960	4.7	4.2
12		Duct		13600		13600	1230	6.0	5.4
15		Duct		18000		18000	1630	7.9	7.2
09	09	Duct	Duct	10900	10900	21800	1760	8.5	7.7
09	12	Duct	Duct	9430	12570	22000	1771	8.6	7.8
09	15	Duct	Duct	8250	13750	22000	1800	8.7	7.9
12	12	Duct	Duct	11000	11000	22000	1800	8.7	7.9

MXZ-2D20NLHZ combination table (Cooling) Non-duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		6000		6000	540	2.6	2.4
09		Wall		9000		9000	670	3.3	2.9
12		Wall		12000		12000	800	3.9	3.5
15		Wall		15000		15000	1020	5.0	4.5
06	06	Wall	Wall	6000	6000	12000	960	4.7	4.2
06	09	Wall	Wall	6000	9000	15000	1410	6.8	6.2
06	12	Wall	Wall	6000	12000	18000	1333	6.5	5.9
06	15	Wall	Wall	5710	14290	20000	1470	7.1	6.5
09	09	Wall	Wall	9000	9000	18000	1333	6.5	5.9
09	12	Wall	Wall	8570	11430	20000	1470	7.1	6.5
09	15	Wall	Wall	7500	12500	20000	1490	7.2	6.5
12	12	Wall	Wall	10000	10000	20000	1490	7.2	6.5

MXZ-2D20NLHZ combination table (Cooling) Duct

Indoor units combination		Indoor type		Cooling capacity (BTU/h)			Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		9000		9000	730	3.5	3.2
12		Duct		12000		12000	990	4.8	4.3
15		Duct		15000		15000	1540	7.5	6.8
09	09	Duct	Duct	9000	9000	18000	1790	8.7	7.9
09	12	Duct	Duct	8570	11430	20000	2000	9.7	8.8
09	15	Duct	Duct	7500	12500	20000	2020	9.8	8.9
12	12	Duct	Duct	10000	10000	20000	2020	9.8	8.9

MXZ-2D20NLHZ combination table (Heating) Non-duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
06		Wall		7400		7400	670	3.3	2.9
09		Wall		11000		11000	900	4.4	4.0
12		Wall		13600		13600	1240	6.0	5.4
15		Wall		18000		18000	1670	8.1	7.3
06	06	Wall	Wall	7400	7400	14800	1110	5.4	4.9
06	09	Wall	Wall	7360	11040	18400	1360	6.6	6.0
06	12	Wall	Wall	7330	14670	22000	1612	7.8	7.1
06	15	Wall	Wall	6290	15710	22000	1620	7.9	7.1
09	09	Wall	Wall	11000	11000	22000	1612	7.8	7.1
09	12	Wall	Wall	9430	12570	22000	1620	7.9	7.1
09	15	Wall	Wall	8250	13750	22000	1700	8.3	7.5
12	12	Wall	Wall	11000	11000	22000	1700	8.3	7.5

MXZ-2D20NLHZ combination table (Heating) Duct

Indoor units combination		Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current (A)	
Unit A	Unit B	Unit A	Unit B	Unit A	Unit B	Total		208V	230V
09		Duct		10900		10900	960	4.7	4.2
12		Duct		13600		13600	1230	6.0	5.4
15		Duct		18000		18000	1630	7.9	7.2
09	09	Duct	Duct	10900	10900	21800	1680	8.2	7.4
09	12	Duct	Duct	9430	12570	22000	1688	8.2	7.4
09	15	Duct	Duct	8250	13750	22000	1720	8.4	7.6
12	12	Duct	Duct	11000	11000	22000	1720	8.4	7.6

MXZ-3D24NL combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	870	4.2	3.8
09			Wall			9000			9000	890	4.3	3.9
12			Wall			12000			12000	1000	4.9	4.4
15			Wall			14000			14000	1100	5.3	4.8
18			Wall			17200			17200	1510	7.3	6.6
06	06		Wall	Wall		6000	6000		12000	960	4.7	4.2
06	09		Wall	Wall		6000	9000		15000	1000	4.9	4.4
06	12		Wall	Wall		6000	12000		18000	1420	6.9	6.2
06	15		Wall	Wall		5710	14290		20000	1760	8.5	7.7
06	18		Wall	Wall		5450	16350		21800	2100	10.2	9.2
09	09		Wall	Wall		9000	9000		18000	1420	6.9	6.2
09	12		Wall	Wall		8570	11430		20000	1760	8.5	7.7
09	15		Wall	Wall		8180	13630		21800	2100	10.2	9.2
09	18		Wall	Wall		7270	14530		21800	2080	10.1	9.1
12	12		Wall	Wall		10900	10900		21800	2100	10.2	9.2
12	15		Wall	Wall		9690	12110		21800	2080	10.1	9.1
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1330	6.5	5.8
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1540	7.5	6.8
06	06	12	Wall	Wall	Wall	5500	5500	11000	22000	1610	7.8	7.0
06	06	15	Wall	Wall	Wall	4890	4890	12220	22000	1690	8.2	7.4
06	09	09	Wall	Wall	Wall	5500	8250	8250	22000	1605	7.8	7.0
06	09	12	Wall	Wall	Wall	4890	7330	9780	22000	1690	8.2	7.4
09	09	09	Wall	Wall	Wall	7330	7330	7330	22000	1690	8.2	7.4

MXZ-3D24NL combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
A	B	C	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	940	4.6	4.1
12			Duct			12000			12000	1070	5.2	4.7
15			Duct			15000			15000	1370	6.7	6.0
18			Duct			17200			17200	1770	8.6	7.8
09	09		Duct	Duct		9000	9000		18000	1660	8.1	7.3
09	12		Duct	Duct		9000	12000		21000	1880	9.1	8.3
09	15		Duct	Duct		8850	14750		23600	2020	9.8	8.9
09	18		Duct	Duct		7870	15730		23600	2120	10.3	9.3
12	12		Duct	Duct		11800	11800		23600	2017	9.8	8.9
12	15		Duct	Duct		10490	13110		23600	2120	10.3	9.3
09	09	09	Duct	Duct	Duct	7870	7870	7870	23600	1920	9.3	8.4

MXZ-3D24NL combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.2	3.8
09			Wall			11000			11000	950	4.6	4.2
12			Wall			14400			14400	1210	5.9	5.3
15			Wall			18000			18000	1600	7.8	7.0
18			Wall			21600			21600	2000	9.7	8.8
06	06		Wall	Wall		7400	7400		14800	1020	5.0	4.5
06	09		Wall	Wall		7360	11040		18400	1300	6.3	5.7
06	12		Wall	Wall		7330	14670		22000	1600	7.8	7.0
06	15		Wall	Wall		6290	15710		22000	1880	9.1	8.3
06	18		Wall	Wall		6000	18000		24000	2140	10.4	9.4
09	09		Wall	Wall		11000	11000		22000	1600	7.8	7.0
09	12		Wall	Wall		9430	12570		22000	1880	9.1	8.3
09	15		Wall	Wall		9000	15000		24000	2140	10.4	9.4
09	18		Wall	Wall		8000	16000		24000	2100	10.2	9.2
12	12		Wall	Wall		12000	12000		24000	2140	10.4	9.4
12	15		Wall	Wall		10670	13330		24000	2100	10.2	9.2
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1530	7.4	6.7
06	06	09	Wall	Wall	Wall	7090	7090	10630	24800	1690	8.2	7.4
06	06	12	Wall	Wall	Wall	6250	6250	12500	25000	1710	8.3	7.5
06	06	15	Wall	Wall	Wall	5560	5560	13890	25000	1790	8.7	7.9
06	09	09	Wall	Wall	Wall	6250	9380	9380	25000	1704	8.3	7.5
06	09	12	Wall	Wall	Wall	5560	8330	11110	25000	1790	8.7	7.9
09	09	09	Wall	Wall	Wall	8330	8330	8330	25000	1790	8.7	7.9

MXZ-3D24NL combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	960	4.7	4.2
12			Duct			13600			13600	1220	5.9	5.4
15			Duct			18000			18000	1560	7.6	6.9
18			Duct			21600			21600	2010	9.8	8.8
09	09		Duct	Duct		10900	10900		21800	1740	8.4	7.6
09	12		Duct	Duct		9430	12570		22000	1810	8.8	7.9
09	15		Duct	Duct		9530	15880		25400	1920	9.3	8.4
09	18		Duct	Duct		8470	16930		25400	2170	10.5	9.5
12	12		Duct	Duct		12700	12700		25400	1909	9.3	8.4
12	15		Duct	Duct		11290	14110		25400	2170	10.5	9.5
09	09	09	Duct	Duct	Duct	8470	8470	8470	25400	1950	9.5	8.6

MXZ-3D24NLHZ combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	870	4.2	3.8
09			Wall			9000			9000	890	4.3	3.9
12			Wall			12000			12000	1000	4.9	4.4
15			Wall			14000			14000	1100	5.3	4.8
18			Wall			17200			17200	1510	7.3	6.6
06	06		Wall	Wall		6000	6000		12000	960	4.7	4.2
06	09		Wall	Wall		6000	9000		15000	1000	4.9	4.4
06	12		Wall	Wall		6000	12000		18000	1420	6.9	6.2
06	15		Wall	Wall		5710	14290		20000	1760	8.5	7.7
06	18		Wall	Wall		5450	16350		21800	2100	10.2	9.2
09	09		Wall	Wall		9000	9000		18000	1420	6.9	6.2
09	12		Wall	Wall		8570	11430		20000	1760	8.5	7.7
09	15		Wall	Wall		8180	13630		21800	2100	10.2	9.2
09	18		Wall	Wall		7270	14530		21800	2080	10.1	9.1
12	12		Wall	Wall		10900	10900		21800	2100	10.2	9.2
12	15		Wall	Wall		9690	12110		21800	2080	10.1	9.1
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1410	6.8	6.2
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1620	7.9	7.1
06	06	12	Wall	Wall	Wall	5500	5500	11000	22000	1700	8.2	7.4
06	06	15	Wall	Wall	Wall	5240	5240	13110	23600	1900	9.2	8.3
06	09	09	Wall	Wall	Wall	5500	8250	8250	22000	1693	8.2	7.4
06	09	12	Wall	Wall	Wall	5240	7870	10490	23600	1900	9.2	8.3
09	09	09	Wall	Wall	Wall	7870	7870	7870	23600	1900	9.2	8.3

MXZ-3D24NLHZ combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
A	B	C	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	940	4.6	4.1
12			Duct			12000			12000	1070	5.2	4.7
15			Duct			15000			15000	1370	6.7	6.0
18			Duct			17200			17200	1770	8.6	7.8
09	09		Duct	Duct		9000	9000		18000	1940	9.4	8.5
09	12		Duct	Duct		9000	12000		21000	2200	10.7	9.7
09	15		Duct	Duct		8850	14750		23600	2360	11.5	10.4
09	18		Duct	Duct		7870	15730		23600	2480	12.0	10.9
12	12		Duct	Duct		11800	11800		23600	2360	11.5	10.4
12	15		Duct	Duct		10490	13110		23600	2480	12.0	10.9
09	09	09	Duct	Duct	Duct	7870	7870	7870	23600	2110	10.2	9.3

MXZ-3D24NLHZ combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.2	3.8
09			Wall			11000			11000	950	4.6	4.2
12			Wall			14400			14400	1210	5.9	5.3
15			Wall			18000			18000	1600	7.8	7.0
18			Wall			21600			21600	2000	9.7	8.8
06	06		Wall	Wall		7400	7400		14800	1020	5.0	4.5
06	09		Wall	Wall		7360	11040		18400	1300	6.3	5.7
06	12		Wall	Wall		7330	14670		22000	1960	9.5	8.6
06	15		Wall	Wall		6290	15710		22000	1970	9.6	8.7
06	18		Wall	Wall		6000	18000		24000	2350	11.4	10.3
09	09		Wall	Wall		11000	11000		22000	1960	9.5	8.6
09	12		Wall	Wall		9430	12570		22000	1970	9.6	8.7
09	15		Wall	Wall		9000	15000		24000	2350	11.4	10.3
09	18		Wall	Wall		8000	16000		24000	2310	11.2	10.1
12	12		Wall	Wall		12000	12000		24000	2350	11.4	10.3
12	15		Wall	Wall		10670	13330		24000	2310	11.2	10.1
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1870	9.1	8.2
06	06	09	Wall	Wall	Wall	7090	7090	10630	24800	2080	10.1	9.1
06	06	12	Wall	Wall	Wall	6250	6250	12500	25000	2100	10.2	9.2
06	06	15	Wall	Wall	Wall	5560	5560	13890	25000	2200	10.7	9.7
06	09	09	Wall	Wall	Wall	6250	9380	9380	25000	2094	10.2	9.2
06	09	12	Wall	Wall	Wall	5560	8330	11110	25000	2200	10.7	9.7
09	09	09	Wall	Wall	Wall	8330	8330	8330	25000	2200	10.7	9.7

MXZ-3D24NLHZ combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	960	4.7	4.2
12			Duct			13600			13600	1220	5.9	5.4
15			Duct			18000			18000	1560	7.6	6.9
18			Duct			21600			21600	2010	9.8	8.8
09	09		Duct	Duct		10900	10900		21800	2110	10.2	9.3
09	12		Duct	Duct		9430	12570		22000	2200	10.6	9.6
09	15		Duct	Duct		9230	15380		24600	2190	10.6	9.6
09	18		Duct	Duct		8200	16400		24600	2530	12.3	11.1
12	12		Duct	Duct		12300	12300		24600	2185	10.6	9.6
12	15		Duct	Duct		10930	13670		24600	2530	12.3	11.1
09	09	09	Duct	Duct	Duct	8200	8200	8200	24600	2420	11.8	10.6

MXZ-3D30NLHZ combination table (Cooling) Non-duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			6000			6000	870	4.2	3.8
09			Wall			9000			9000	890	4.3	3.9
12			Wall			12000			12000	1000	4.9	4.4
15			Wall			14000			14000	1100	5.3	4.8
18			Wall			17200			17200	1660	8.1	7.3
24			Wall			22500			22500	2290	11.1	10.1
06	06		Wall	Wall		6000	6000		12000	960	4.7	4.2
06	09		Wall	Wall		6000	9000		15000	1000	4.9	4.4
06	12		Wall	Wall		6000	12000		18000	1590	7.7	7.0
06	15		Wall	Wall		5710	14290		20000	1850	9.0	8.1
06	18		Wall	Wall		5750	17250		23000	1930	9.4	8.5
06	24		Wall	Wall		4800	19200		24000	2010	9.8	8.8
09	09		Wall	Wall		9000	9000		18000	1590	7.7	7.0
09	12		Wall	Wall		8570	11430		20000	1850	9.0	8.1
09	15		Wall	Wall		8630	14380		23000	1930	9.4	8.5
09	18		Wall	Wall		8000	16000		24000	2020	9.8	8.9
09	24		Wall	Wall		6550	17450		24000	2000	9.7	8.8
12	12		Wall	Wall		11500	11500		23000	1930	9.4	8.5
12	15		Wall	Wall		10670	13330		24000	2020	9.8	8.9
12	18		Wall	Wall		9600	14400		24000	2010	9.8	8.8
12	24		Wall	Wall		8000	16000		24000	1970	9.6	8.7
15	15		Wall	Wall		12000	12000		24000	2010	9.8	8.8
15	18		Wall	Wall		10910	13090		24000	2000	9.7	8.8
18	18		Wall	Wall		12000	12000		24000	1970	9.6	8.7
06	06	06	Wall	Wall	Wall	6000	6000	6000	18000	1530	7.4	6.7
06	06	09	Wall	Wall	Wall	6000	6000	9000	21000	1860	9.0	8.2
06	06	12	Wall	Wall	Wall	7100	7100	14200	28400	2520	12.2	11.1
06	06	15	Wall	Wall	Wall	6310	6310	15780	28400	2520	12.2	11.1
06	06	18	Wall	Wall	Wall	5680	5680	17040	28400	2470	12.0	10.8
06	06	24	Wall	Wall	Wall	4730	4730	18930	28400	2450	11.9	10.8
06	09	09	Wall	Wall	Wall	7100	10650	10650	28400	2520	12.2	11.1
06	09	12	Wall	Wall	Wall	6310	9470	12620	28400	2520	12.2	11.1
06	09	15	Wall	Wall	Wall	5680	8520	14200	28400	2470	12.0	10.8
06	09	18	Wall	Wall	Wall	5160	7750	15490	28400	2460	11.9	10.8
06	12	12	Wall	Wall	Wall	5680	11360	11360	28400	2470	12.0	10.8
06	12	15	Wall	Wall	Wall	5160	10330	12910	28400	2460	11.9	10.8
06	12	18	Wall	Wall	Wall	4730	9470	14200	28400	2450	11.9	10.8
06	15	15	Wall	Wall	Wall	4730	11830	11830	28400	2450	11.9	10.8
09	09	09	Wall	Wall	Wall	9470	9470	9470	28400	2520	12.2	11.1
09	09	12	Wall	Wall	Wall	8520	8520	11360	28400	2470	12.0	10.8
09	09	15	Wall	Wall	Wall	7750	7750	12910	28400	2460	11.9	10.8
09	09	18	Wall	Wall	Wall	7100	7100	14200	28400	2450	11.9	10.8
09	12	12	Wall	Wall	Wall	7750	10330	10330	28400	2460	11.9	10.8
09	12	15	Wall	Wall	Wall	7100	9470	11830	28400	2450	11.9	10.8
12	12	12	Wall	Wall	Wall	9470	9470	9470	28400	2450	11.9	10.8

MXZ-3D30NLHZ combination table (Cooling) Duct

Indoor units combination			Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current (A)	
A	B	C	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			9000			9000	980	4.8	4.3
12			Duct			12000			12000	1150	5.6	5.1
15			Duct			15000			15000	1450	7.0	6.4
18			Duct			17200			17200	1850	9.0	8.1
24			Duct			24000			24000	2400	11.7	10.5
09	09		Duct	Duct		9000	9000		18000	1740	8.4	7.6
09	12		Duct	Duct		9000	12000		21000	2060	10.0	9.0
09	15		Duct	Duct		9000	15000		24000	2360	11.5	10.4
09	18		Duct	Duct		8000	16000		24000	2430	11.8	10.7
09	24		Duct	Duct		7470	19930		27400	2720	13.2	11.9
12	12		Duct	Duct		12000	12000		24000	2360	11.5	10.4
12	15		Duct	Duct		10670	13330		24000	2430	11.8	10.7
12	18		Duct	Duct		10960	16440		27400	2700	13.1	11.9
12	24		Duct	Duct		9130	18270		27400	2670	12.9	11.7
15	15		Duct	Duct		13700	13700		27400	2700	13.1	11.9
15	18		Duct	Duct		12450	14950		27400	2720	13.2	11.9
18	18		Duct	Duct		13700	13700		27400	2661	12.9	11.7
09	09	09	Duct	Duct	Duct	9000	9000	9000	27000	2520	12.2	11.1
09	09	12	Duct	Duct	Duct	8220	8220	10960	27400	2540	12.3	11.2
09	09	15	Duct	Duct	Duct	7470	7470	12450	27400	2630	12.8	11.6
09	09	18	Duct	Duct	Duct	6850	6850	13700	27400	2600	12.6	11.4
09	12	12	Duct	Duct	Duct	7470	9960	9960	27400	2630	12.8	11.6
09	12	15	Duct	Duct	Duct	6850	9130	11420	27400	2600	12.6	11.4
12	12	12	Duct	Duct	Duct	9130	9130	9130	27400	2600	12.6	11.4

MXZ-3D30NLHZ combination table (Heating) Non-duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
06			Wall			7400			7400	860	4.2	3.8
09			Wall			11000			11000	950	4.6	4.2
12			Wall			14400			14400	1210	5.9	5.3
15			Wall			18000			18000	1600	7.8	7.0
18			Wall			21600			21600	2000	9.7	8.8
24			Wall			22600			22600	2680	13.0	11.8
06	06		Wall	Wall		7400	7400		14800	1020	5.0	4.5
06	09		Wall	Wall		7360	11040		18400	1300	6.3	5.7
06	12		Wall	Wall		7330	14670		22000	2080	10.1	9.1
06	15		Wall	Wall		6290	15710		22000	1970	9.6	8.7
06	18		Wall	Wall		5750	17250		23000	2350	11.4	10.3
06	24		Wall	Wall		4800	19200		24000	2250	10.9	9.9
09	09		Wall	Wall		11000	11000		22000	2080	10.1	9.1
09	12		Wall	Wall		9430	12570		22000	1970	9.6	8.7
09	15		Wall	Wall		8630	14380		23000	2350	11.4	10.3
09	18		Wall	Wall		8000	16000		24000	2280	11.1	10.0
09	24		Wall	Wall		6550	17450		24000	2220	10.8	9.7
12	12		Wall	Wall		11500	11500		23000	2350	11.4	10.3
12	15		Wall	Wall		10670	13330		24000	2280	11.1	10.0
12	18		Wall	Wall		9600	14400		24000	2250	10.9	9.9
12	24		Wall	Wall		8000	16000		24000	2180	10.6	9.6
15	15		Wall	Wall		12000	12000		24000	2250	10.9	9.9
15	18		Wall	Wall		10910	13090		24000	2220	10.8	9.7
18	18		Wall	Wall		12000	12000		24000	2180	10.6	9.6
06	06	06	Wall	Wall	Wall	7400	7400	7400	22200	1980	9.6	8.7
06	06	09	Wall	Wall	Wall	7370	7370	11060	25800	2280	11.1	10.0
06	06	12	Wall	Wall	Wall	7100	7100	14200	28400	2500	12.1	11.0
06	06	15	Wall	Wall	Wall	6310	6310	15780	28400	2500	12.1	11.0
06	06	18	Wall	Wall	Wall	5720	5720	17160	28600	2400	11.6	10.5
06	06	24	Wall	Wall	Wall	4770	4770	19070	28600	2510	12.2	11.0
06	09	09	Wall	Wall	Wall	7100	10650	10650	28400	2500	12.1	11.0
06	09	12	Wall	Wall	Wall	6310	9470	12620	28400	2500	12.1	11.0
06	09	15	Wall	Wall	Wall	5720	8580	14300	28600	2400	11.6	10.5
06	09	18	Wall	Wall	Wall	5200	7800	15600	28600	2510	12.2	11.0
06	12	12	Wall	Wall	Wall	5720	11440	11440	28600	2395	11.6	10.5
06	12	15	Wall	Wall	Wall	5200	10400	13000	28600	2510	12.2	11.0
06	12	18	Wall	Wall	Wall	4770	9530	14300	28600	2510	12.2	11.0
06	15	15	Wall	Wall	Wall	4770	11920	11920	28600	2510	12.2	11.0
09	09	09	Wall	Wall	Wall	9470	9470	9470	28400	2500	12.1	11.0
09	09	12	Wall	Wall	Wall	8580	8580	11440	28600	2395	11.6	10.5
09	09	15	Wall	Wall	Wall	7800	7800	13000	28600	2510	12.2	11.0
09	09	18	Wall	Wall	Wall	7150	7150	14300	28600	2510	12.2	11.0
09	12	12	Wall	Wall	Wall	7800	10400	10400	28600	2510	12.2	11.0
09	12	15	Wall	Wall	Wall	7150	9530	11920	28600	2510	12.2	11.0
12	12	12	Wall	Wall	Wall	9530	9530	9530	28600	2510	12.2	11.0

MXZ-3D30NLHZ combination table (Heating) Duct

Indoor units combination			Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Total		208V	230V
09			Duct			10900			10900	1000	4.9	4.4
12			Duct			13600			13600	1260	6.1	5.5
15			Duct			18000			18000	1650	8.0	7.2
18			Duct			21600			21600	2050	10.0	9.0
24			Duct			24000			24000	2710	13.2	11.9
09	09		Duct	Duct		10900	10900		21800	1990	9.7	8.7
09	12		Duct	Duct		9770	13030		22800	2190	10.6	9.6
09	15		Duct	Duct		10350	17250		27600	2286	11.1	10.0
09	18		Duct	Duct		9200	18400		27600	2730	13.3	12.0
09	24		Duct	Duct		7530	20070		27600	2820	13.7	12.4
12	12		Duct	Duct		13800	13800		27600	2286	11.1	10.0
12	15		Duct	Duct		12270	15330		27600	2730	13.3	12.0
12	18		Duct	Duct		11040	16560		27600	2790	13.5	12.3
12	24		Duct	Duct		9200	18400		27600	2840	13.8	12.5
15	15		Duct	Duct		13800	13800		27600	2790	13.5	12.3
15	18		Duct	Duct		12550	15050		27600	2820	13.7	12.4
18	18		Duct	Duct		13800	13800		27600	2840	13.8	12.5
09	09	09	Duct	Duct	Duct	9200	9200	9200	27600	2750	13.4	12.1
09	09	12	Duct	Duct	Duct	8280	8280	11040	27600	2640	12.8	11.6
09	09	15	Duct	Duct	Duct	7530	7530	12550	27600	2760	13.4	12.1
09	09	18	Duct	Duct	Duct	6900	6900	13800	27600	2760	13.4	12.1
09	12	12	Duct	Duct	Duct	7530	10040	10040	27600	2760	13.4	12.1
09	12	15	Duct	Duct	Duct	6900	9200	11500	27600	2760	13.4	12.1
12	12	12	Duct	Duct	Duct	9200	9200	9200	27600	2760	13.4	12.1

MXZ-4D30NL combination table (Cooling) Non-duct

Indoor units combination				Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
06				Wall				6000				6000	870	4.2	3.8
09				Wall				9000				9000	890	4.3	3.9
12				Wall				12000				12000	980	4.8	4.3
15				Wall				14000				14000	1020	5.0	4.5
18				Wall				17200				17200	1440	7.0	6.3
24				Wall				22500				22500	2250	10.9	9.9
06	06			Wall	Wall			6000	6000			12000	960	4.7	4.2
06	09			Wall	Wall			6000	9000			15000	1000	4.9	4.4
06	12			Wall	Wall			6000	12000			18000	1420	6.9	6.2
06	15			Wall	Wall			5710	14290			20000	1760	8.5	7.7
06	18			Wall	Wall			5750	17250			23000	2100	10.2	9.2
06	24			Wall	Wall			5600	22400			28000	2800	13.6	12.3
09	09			Wall	Wall			9000	9000			18000	1420	6.9	6.2
09	12			Wall	Wall			8570	11430			20000	1760	8.5	7.7
09	15			Wall	Wall			8630	14380			23000	2100	10.2	9.2
09	18			Wall	Wall			8600	17200			25800	2420	11.8	10.6
09	24			Wall	Wall			7640	20360			28000	2760	13.4	12.1
12	12			Wall	Wall			11500	11500			23000	2100	10.2	9.2
12	15			Wall	Wall			11470	14330			25800	2420	11.8	10.6
12	18			Wall	Wall			11200	16800			28000	2800	13.6	12.3
12	24			Wall	Wall			9330	18670			28000	2720	13.2	11.9
15	15			Wall	Wall			14000	14000			28000	2800	13.6	12.3
15	18			Wall	Wall			12730	15270			28000	2760	13.4	12.1
18	18			Wall	Wall			14000	14000			28000	2720	13.2	11.9
06	06	06		Wall	Wall	Wall		6000	6000	6000		18000	1530	7.4	6.7
06	06	09		Wall	Wall	Wall		6000	6000	9000		21000	1760	8.5	7.7
06	06	12		Wall	Wall	Wall		6000	6000	12000		24000	1980	9.6	8.7
06	06	15		Wall	Wall	Wall		5780	5780	14440		26000	2130	10.3	9.4
06	06	18		Wall	Wall	Wall		5640	5640	16920		28200	2300	11.2	10.1
06	06	24		Wall	Wall	Wall		4700	4700	18800		28200	2300	11.2	10.1
06	09	09		Wall	Wall	Wall		6000	9000	9000		24000	1980	9.6	8.7
06	09	12		Wall	Wall	Wall		5780	8670	11560		26000	2130	10.3	9.4
06	09	15		Wall	Wall	Wall		5640	8460	14100		28200	2300	11.2	10.1
06	09	18		Wall	Wall	Wall		5130	7690	15380		28200	2300	11.2	10.1
06	12	12		Wall	Wall	Wall		5640	11280	11280		28200	2300	11.2	10.1
06	12	15		Wall	Wall	Wall		5130	10250	12820		28200	2300	11.2	10.1
06	12	18		Wall	Wall	Wall		4700	9400	14100		28200	2300	11.2	10.1
06	15	15		Wall	Wall	Wall		4700	11750	11750		28200	2300	11.2	10.1
09	09	09		Wall	Wall	Wall		8670	8670	8670		26000	2130	10.3	9.4
09	09	12		Wall	Wall	Wall		8460	8460	11280		28200	2300	11.2	10.1
09	09	15		Wall	Wall	Wall		7690	7690	12820		28200	2300	11.2	10.1
09	09	18		Wall	Wall	Wall		7050	7050	14100		28200	2300	11.2	10.1
09	12	12		Wall	Wall	Wall		7690	10250	10250		28200	2300	11.2	10.1
09	12	15		Wall	Wall	Wall		7050	9400	11750		28200	2300	11.2	10.1
12	12	12		Wall	Wall	Wall		9400	9400	9400		28200	2300	11.2	10.1
06	06	06	06	Wall	Wall	Wall	Wall	6000	6000	6000	6000	24000	1950	9.5	8.6
06	06	06	09	Wall	Wall	Wall	Wall	6000	6000	6000	9000	27000	2170	10.5	9.5
06	06	06	12	Wall	Wall	Wall	Wall	5720	5720	5720	11440	28600	2200	10.7	9.7
06	06	06	15	Wall	Wall	Wall	Wall	5200	5200	5200	13000	28600	2310	11.2	10.1
06	06	06	18	Wall	Wall	Wall	Wall	4770	4770	4770	14300	28600	2310	11.2	10.1
06	06	09	09	Wall	Wall	Wall	Wall	5720	5720	8580	8580	28600	2200	10.7	9.7
06	06	09	12	Wall	Wall	Wall	Wall	5200	5200	7800	10400	28600	2310	11.2	10.1
06	06	09	15	Wall	Wall	Wall	Wall	4770	4770	7150	11920	28600	2310	11.2	10.1
06	06	12	12	Wall	Wall	Wall	Wall	4770	4770	9530	9530	28600	2310	11.2	10.1
06	09	09	09	Wall	Wall	Wall	Wall	5200	7800	7800	7800	28600	2310	11.2	10.1
06	09	09	12	Wall	Wall	Wall	Wall	4770	7150	7150	9530	28600	2310	11.2	10.1
09	09	09	09	Wall	Wall	Wall	Wall	7150	7150	7150	7150	28600	2310	11.2	10.1

MXZ-4D30NL combination table (Cooling) Duct

Indoor units combination				Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
09				Duct				9000				9000	980	4.8	4.3
12				Duct				12000				12000	1150	5.6	5.1
15				Duct				15000				15000	1450	7.0	6.4
18				Duct				17200				17200	1850	9.0	8.1
24				Duct				24000				24000	2400	11.7	10.5
09	09			Duct	Duct			9000	9000			18000	1870	9.1	8.2
09	12			Duct	Duct			9000	12000			21000	2220	10.8	9.7
09	15			Duct	Duct			9000	15000			24000	2420	11.8	10.6
09	18			Duct	Duct			8330	16670			25000	2700	13.1	11.9
09	24			Duct	Duct			7470	19930			27400	2920	14.2	12.8
12	12			Duct	Duct			12000	12000			24000	2420	11.8	10.6
12	15			Duct	Duct			11110	13890			25000	2700	13.1	11.9
12	18			Duct	Duct			10960	16440			27400	3000	14.6	13.2
12	24			Duct	Duct			9130	18270			27400	2854	13.9	12.5
15	15			Duct	Duct			13700	13700			27400	3000	14.6	13.2
15	18			Duct	Duct			12450	14950			27400	2920	14.2	12.8
18	18			Duct	Duct			13700	13700			27400	2854	13.9	12.5
09	09	09		Duct	Duct	Duct		9000	9000	9000		27000	2680	13.0	11.8
09	09	12		Duct	Duct	Duct		8220	8220	10960		27400	2800	13.6	12.3
09	09	15		Duct	Duct	Duct		7470	7470	12450		27400	2740	13.3	12.0
09	09	18		Duct	Duct	Duct		6850	6850	13700		27400	2600	12.6	11.4
09	12	12		Duct	Duct	Duct		7470	9960	9960		27400	2740	13.3	12.0
09	12	15		Duct	Duct	Duct		6850	9130	11420		27400	2600	12.6	11.4
12	12	12		Duct	Duct	Duct		9130	9130	9130		27400	2600	12.6	11.4
09	09	09	09	Duct	Duct	Duct	Duct	6850	6850	6850	6850	27400	2770	13.5	12.2

MXZ-4D30NL combination table (Heating) Non-duct

Indoor units combination				Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
06				Wall				7400				7400	860	4.2	3.8
09				Wall				11000				11000	950	4.6	4.2
12				Wall				14400				14400	1210	5.9	5.3
15				Wall				18000				18000	1600	7.8	7.0
18				Wall				21600				21600	2120	10.3	9.3
24				Wall				22600				22600	2680	13.0	11.8
06	06			Wall	Wall			7400	7400			14800	1020	5.0	4.5
06	09			Wall	Wall			7360	11040			18400	1300	6.3	5.7
06	12			Wall	Wall			7330	14670			22000	1860	9.0	8.2
06	15			Wall	Wall			6290	15710			22000	2030	9.9	8.9
06	18			Wall	Wall			5750	17250			23000	2260	11.0	9.9
06	24			Wall	Wall			4800	19200			24000	2250	10.9	9.9
09	09			Wall	Wall			11000	11000			22000	1860	9.0	8.2
09	12			Wall	Wall			9430	12570			22000	2030	9.9	8.9
09	15			Wall	Wall			8630	14380			23000	2260	11.0	9.9
09	18			Wall	Wall			8000	16000			24000	2280	11.1	10.0
09	24			Wall	Wall			6550	17450			24000	1900	9.2	8.3
12	12			Wall	Wall			11500	11500			23000	2260	11.0	9.9
12	15			Wall	Wall			10670	13330			24000	2280	11.1	10.0
12	18			Wall	Wall			9600	14400			24000	2250	10.9	9.9
12	24			Wall	Wall			8000	16000			24000	1860	9.0	8.2
15	15			Wall	Wall			12000	12000			24000	2250	10.9	9.9
15	18			Wall	Wall			10910	13090			24000	1900	9.2	8.3
18	18			Wall	Wall			12000	12000			24000	1860	9.0	8.2
06	06	06		Wall	Wall	Wall		7400	7400	7400		22200	1770	8.6	7.8
06	06	09		Wall	Wall	Wall		7370	7370	11060		25800	2040	9.9	9.0
06	06	12		Wall	Wall	Wall		5750	5750	11500		23000	1830	8.9	8.0
06	06	15		Wall	Wall	Wall		5780	5780	14440		26000	2050	10.0	9.0
06	06	18		Wall	Wall	Wall		5400	5400	16200		27000	2130	10.3	9.4
06	06	24		Wall	Wall	Wall		4500	4500	18000		27000	2130	10.3	9.4
06	09	09		Wall	Wall	Wall		5750	8630	8630		23000	1830	8.9	8.0
06	09	12		Wall	Wall	Wall		5780	8670	11560		26000	2050	10.0	9.0
06	09	15		Wall	Wall	Wall		5400	8100	13500		27000	2130	10.3	9.4
06	09	18		Wall	Wall	Wall		4910	7360	14730		27000	2130	10.3	9.4
06	12	12		Wall	Wall	Wall		5400	10800	10800		27000	2130	10.3	9.4
06	12	15		Wall	Wall	Wall		4910	9820	12270		27000	2130	10.3	9.4
06	12	18		Wall	Wall	Wall		4500	9000	13500		27000	2130	10.3	9.4
06	15	15		Wall	Wall	Wall		4500	11250	11250		27000	2130	10.3	9.4
09	09	09		Wall	Wall	Wall		8670	8670	8670		26000	2050	10.0	9.0
09	09	12		Wall	Wall	Wall		8100	8100	10800		27000	2130	10.3	9.4
09	09	15		Wall	Wall	Wall		7360	7360	12270		27000	2130	10.3	9.4
09	09	18		Wall	Wall	Wall		6750	6750	13500		27000	2130	10.3	9.4
09	12	12		Wall	Wall	Wall		7360	9820	9820		27000	2130	10.3	9.4
09	12	15		Wall	Wall	Wall		6750	9000	11250		27000	2130	10.3	9.4
12	12	12		Wall	Wall	Wall		9000	9000	9000		27000	2130	10.3	9.4
06	06	06	06	Wall	Wall	Wall	Wall	5750	5750	5750	5750	23000	1830	8.9	8.0
06	06	06	09	Wall	Wall	Wall	Wall	5780	5780	5780	8670	26000	2050	10.0	9.0
06	06	06	12	Wall	Wall	Wall	Wall	5720	5720	5720	11440	28600	2149	10.4	9.4
06	06	06	15	Wall	Wall	Wall	Wall	5200	5200	5200	13000	28600	2260	11.0	9.9
06	06	06	18	Wall	Wall	Wall	Wall	4770	4770	4770	14300	28600	2260	11.0	9.9
06	06	09	09	Wall	Wall	Wall	Wall	5720	5720	8580	8580	28600	2149	10.4	9.4
06	06	09	12	Wall	Wall	Wall	Wall	5200	5200	7800	10400	28600	2260	11.0	9.9
06	06	09	15	Wall	Wall	Wall	Wall	4770	4770	7150	11920	28600	2260	11.0	9.9
06	06	12	12	Wall	Wall	Wall	Wall	4770	4770	9530	9530	28600	2260	11.0	9.9
06	09	09	09	Wall	Wall	Wall	Wall	5200	7800	7800	7800	28600	2260	11.0	9.9
06	09	09	12	Wall	Wall	Wall	Wall	4770	7150	7150	9530	28600	2260	11.0	9.9
09	09	09	09	Wall	Wall	Wall	Wall	7150	7150	7150	7150	28600	2260	11.0	9.9

MXZ-4D30NL combination table (Heating) Duct

Indoor units combination				Indoor type				Heating capacity (BTU/h)					Power consump-tion (W)	Current (A)	
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Total		208V	230V
09				Duct				10900				10900	1000	4.9	4.4
12				Duct				13600				13600	1260	6.1	5.5
15				Duct				18000				18000	1650	8.0	7.2
18				Duct				21600				21600	2050	10.0	9.0
24				Duct				24000				24000	2710	13.2	11.9
09	09			Duct	Duct			10900	10900			21800	1640	8.0	7.2
09	12			Duct	Duct			9770	13030			22800	1780	8.6	7.8
09	15			Duct	Duct			10350	17250			27600	2180	10.6	9.6
09	18			Duct	Duct			9200	18400			27600	2230	10.8	9.8
09	24			Duct	Duct			7530	20070			27600	2310	11.2	10.1
12	12			Duct	Duct			13800	13800			27600	2180	10.6	9.6
12	15			Duct	Duct			12270	15330			27600	2230	10.8	9.8
12	18			Duct	Duct			11040	16560			27600	2290	11.1	10.1
12	24			Duct	Duct			9200	18400			27600	2200	10.7	9.7
15	15			Duct	Duct			13800	13800			27600	2290	11.1	10.1
15	18			Duct	Duct			12550	15050			27600	2310	11.2	10.1
18	18			Duct	Duct			13800	13800			27600	2200	10.7	9.7
09	09	09		Duct	Duct	Duct		9200	9200	9200		27600	2200	10.7	9.7
09	09	12		Duct	Duct	Duct		8280	8280	11040		27600	2070	10.1	9.1
09	09	15		Duct	Duct	Duct		7530	7530	12550		27600	2080	10.1	9.1
09	09	18		Duct	Duct	Duct		6900	6900	13800		27600	2090	10.1	9.2
09	12	12		Duct	Duct	Duct		7530	10040	10040		27600	2080	10.1	9.1
09	12	15		Duct	Duct	Duct		6900	9200	11500		27600	2090	10.1	9.2
12	12	12		Duct	Duct	Duct		9200	9200	9200		27600	2090	10.1	9.2
09	09	09	09	Duct	Duct	Duct	Duct	6900	6900	6900	6900	27600	2060	10.0	9.0

MXZ-5D36NL combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06					Wall					6000					6000	910	4.4	4.0
09					Wall					9000					9000	930	4.5	4.1
12					Wall					12000					12000	1020	5.0	4.5
15					Wall					14000					14000	1200	5.8	5.3
18					Wall					17200					17200	1480	7.2	6.5
24					Wall					22500					22500	2290	11.1	10.1
06	06				Wall	Wall				6000	6000				12000	950	4.6	4.2
06	09				Wall	Wall				6000	9000				15000	1030	5.0	4.5
06	12				Wall	Wall				6000	12000				18000	1300	6.3	5.7
06	15				Wall	Wall				5710	14290				20000	1700	8.3	7.5
06	18				Wall	Wall				5750	17250				23000	2150	10.4	9.4
06	24				Wall	Wall				5600	22400				28000	2600	12.6	11.4
09	09				Wall	Wall				9000	9000				18000	1300	6.3	5.7
09	12				Wall	Wall				8570	11430				20000	1700	8.3	7.5
09	15				Wall	Wall				8630	14380				23000	2150	10.4	9.4
09	18				Wall	Wall				8600	17200				25800	2450	11.9	10.8
09	24				Wall	Wall				7640	20360				28000	2600	12.6	11.4
12	12				Wall	Wall				11500	11500				23000	2150	10.4	9.4
12	15				Wall	Wall				11470	14330				25800	2450	11.9	10.8
12	18				Wall	Wall				11200	16800				28000	2600	12.6	11.4
12	24				Wall	Wall				9330	18670				28000	2600	12.6	11.4
15	15				Wall	Wall				14000	14000				28000	2600	12.6	11.4
15	18				Wall	Wall				12730	15270				28000	2600	12.6	11.4
15	24				Wall	Wall				11150	17850				29000	2650	12.9	11.6
18	18				Wall	Wall				14000	14000				28000	2600	12.6	11.4
18	24				Wall	Wall				12430	16570				29000	2650	12.9	11.6
24	24				Wall	Wall				15000	15000				30000	2650	12.9	11.6
06	06	06			Wall	Wall	Wall			6000	6000	6000			18000	1200	5.8	5.3
06	06	09			Wall	Wall	Wall			6000	6000	9000			21000	1360	6.6	6.0
06	06	12			Wall	Wall	Wall			6000	6000	12000			24000	1880	9.1	8.3
06	06	15			Wall	Wall	Wall			5780	5780	14440			26000	2280	11.1	10.0
06	06	18			Wall	Wall	Wall			5800	5800	17400			29000	2480	12.0	10.9
06	06	24			Wall	Wall	Wall			5430	5430	21730			32600	2790	13.5	12.3
06	09	09			Wall	Wall	Wall			6000	9000	9000			24000	1880	9.1	8.3
06	09	12			Wall	Wall	Wall			5780	8670	11560			26000	2280	11.1	10.0
06	09	15			Wall	Wall	Wall			5800	8700	14500			29000	2480	12.0	10.9
06	09	18			Wall	Wall	Wall			5820	8730	17450			32000	2700	13.1	11.9
06	09	24			Wall	Wall	Wall			5020	7520	20060			32600	2790	13.5	12.3
06	12	12			Wall	Wall	Wall			5800	11600	11600			29000	2480	12.0	10.9
06	12	15			Wall	Wall	Wall			5820	11640	14550			32000	2700	13.1	11.9
06	12	18			Wall	Wall	Wall			5430	10870	16300			32600	2790	13.5	12.3
06	12	24			Wall	Wall	Wall			4660	9310	18630			32600	2790	13.5	12.3
06	15	15			Wall	Wall	Wall			5430	13580	13580			32600	2790	13.5	12.3
06	15	18			Wall	Wall	Wall			5020	12540	15050			32600	2790	13.5	12.3
06	15	24			Wall	Wall	Wall			4350	10870	17390			32600	2790	13.5	12.3
06	18	18			Wall	Wall	Wall			4660	13970	13970			32600	2790	13.5	12.3
06	18	24			Wall	Wall	Wall			4080	12230	16300			32600	2850	13.8	12.5
09	09	09			Wall	Wall	Wall			8670	8670	8670			26000	2280	11.1	10.0
09	09	12			Wall	Wall	Wall			8700	8700	11600			29000	2480	12.0	10.9
09	09	15			Wall	Wall	Wall			8730	8730	14550			32000	2700	13.1	11.9
09	09	18			Wall	Wall	Wall			8150	8150	16300			32600	2790	13.5	12.3
09	09	24			Wall	Wall	Wall			6990	6990	18630			32600	2790	13.5	12.3
09	12	12			Wall	Wall	Wall			8730	11640	11640			32000	2700	13.1	11.9
09	12	15			Wall	Wall	Wall			8150	10870	13580			32600	2790	13.5	12.3
09	12	18			Wall	Wall	Wall			7520	10030	15050			32600	2790	13.5	12.3
09	12	24			Wall	Wall	Wall			6520	8690	17390			32600	2790	13.5	12.3
09	15	15			Wall	Wall	Wall			7520	12540	12540			32600	2790	13.5	12.3
09	15	18			Wall	Wall	Wall			6990	11640	13970			32600	2790	13.5	12.3
09	15	24			Wall	Wall	Wall			6110	10190	16300			32600	2850	13.8	12.5
09	18	18			Wall	Wall	Wall			6520	13040	13040			32600	2790	13.5	12.3
09	18	24			Wall	Wall	Wall			5750	11510	15340			32600	2860	13.9	12.6
12	12	12			Wall	Wall	Wall			10870	10870	10870			32600	2790	13.5	12.3
12	12	15			Wall	Wall	Wall			10030	10030	12540			32600	2790	13.5	12.3
12	12	18			Wall	Wall	Wall			9310	9310	13970			32600	2790	13.5	12.3
12	12	24			Wall	Wall	Wall			8150	8150	16300			32600	2850	13.8	12.5
12	15	15			Wall	Wall	Wall			9310	11640	11640			32600	2790	13.5	12.3
12	15	18			Wall	Wall	Wall			8690	10870	13040			32600	2790	13.5	12.3
12	15	24			Wall	Wall	Wall			7670	9590	15340			32600	2860	13.9	12.6
12	18	18			Wall	Wall	Wall			8150	12230	12230			32600	2850	13.8	12.5
15	15	15			Wall	Wall	Wall			10870	10870	10870			32600	2790	13.5	12.3
15	15	18			Wall	Wall	Wall			10190	10190	12230			32600	2850	13.8	12.5
15	18	18			Wall	Wall	Wall			9590	11510	11510			32600	2860	13.9	12.6
06	06	06	06		Wall	Wall	Wall	Wall		6000	6000	6000	6000		24000	1720	8.4	7.6
06	06	06	09		Wall	Wall	Wall	Wall		6000	6000	6000	9000		27000	2160	10.5	9.5

MXZ-5D36NL combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	06	12		Wall	Wall	Wall	Wall		6000	6000	6000	12000		30000	2520	12.2	11.1
06	06	06	15		Wall	Wall	Wall	Wall		5820	5820	5820	14550		32000	2670	13.0	11.7
06	06	06	18		Wall	Wall	Wall	Wall		5900	5900	5900	17700		35400	3060	14.9	13.4
06	06	06	24		Wall	Wall	Wall	Wall		5060	5060	5060	20230		35400	3030	14.7	13.3
06	06	09	09		Wall	Wall	Wall	Wall		6000	6000	9000	9000		30000	2520	12.2	11.1
06	06	09	12		Wall	Wall	Wall	Wall		5820	5820	8730	11640		32000	2670	13.0	11.7
06	06	09	15		Wall	Wall	Wall	Wall		5900	5900	8850	14750		35400	3060	14.9	13.4
06	06	09	18		Wall	Wall	Wall	Wall		5450	5450	8170	16340		35400	3030	14.7	13.3
06	06	09	24		Wall	Wall	Wall	Wall		4720	4720	7080	18880		35400	3030	14.7	13.3
06	06	12	12		Wall	Wall	Wall	Wall		5900	5900	11800	11800		35400	3060	14.9	13.4
06	06	12	15		Wall	Wall	Wall	Wall		5450	5450	10890	13620		35400	3030	14.7	13.3
06	06	12	18		Wall	Wall	Wall	Wall		5060	5060	10110	15170		35400	3030	14.7	13.3
06	06	12	24		Wall	Wall	Wall	Wall		4430	4430	8850	17700		35400	3030	14.7	13.3
06	06	15	15		Wall	Wall	Wall	Wall		5060	5060	12640	12640		35400	3030	14.7	13.3
06	06	15	18		Wall	Wall	Wall	Wall		4720	4720	11800	14160		35400	3030	14.7	13.3
06	06	15	24		Wall	Wall	Wall	Wall		4160	4160	10410	16660		35400	3040	14.8	13.4
06	06	18	18		Wall	Wall	Wall	Wall		4430	4430	13280	13280		35400	3030	14.7	13.3
06	09	09	09		Wall	Wall	Wall	Wall		5820	8730	8730	8730		32000	2670	13.0	11.7
06	09	09	12		Wall	Wall	Wall	Wall		5900	8850	8850	11800		35400	3060	14.9	13.4
06	09	09	15		Wall	Wall	Wall	Wall		5450	8170	8170	13620		35400	3030	14.7	13.3
06	09	09	18		Wall	Wall	Wall	Wall		5060	7590	7590	15170		35400	3030	14.7	13.3
06	09	09	24		Wall	Wall	Wall	Wall		4430	6640	6640	17700		35400	3030	14.7	13.3
06	09	12	12		Wall	Wall	Wall	Wall		5450	8170	10890	10890		35400	3030	14.7	13.3
06	09	12	15		Wall	Wall	Wall	Wall		5060	7590	10110	12640		35400	3030	14.7	13.3
06	09	12	18		Wall	Wall	Wall	Wall		4720	7080	9440	14160		35400	3030	14.7	13.3
06	09	12	24		Wall	Wall	Wall	Wall		4160	6250	8330	16660		35400	3040	14.8	13.4
06	09	15	15		Wall	Wall	Wall	Wall		4720	7080	11800	11800		35400	3030	14.7	13.3
06	09	15	18		Wall	Wall	Wall	Wall		4430	6640	11060	13280		35400	3030	14.7	13.3
06	09	18	18		Wall	Wall	Wall	Wall		4160	6250	12490	12490		35400	3040	14.8	13.4
06	12	12	12		Wall	Wall	Wall	Wall		5060	10110	10110	10110		35400	3030	14.7	13.3
06	12	12	15		Wall	Wall	Wall	Wall		4720	9440	9440	11800		35400	3030	14.7	13.3
06	12	12	18		Wall	Wall	Wall	Wall		4430	8850	8850	13280		35400	3030	14.7	13.3
06	12	15	15		Wall	Wall	Wall	Wall		4430	8850	11060	11060		35400	3030	14.7	13.3
06	12	15	18		Wall	Wall	Wall	Wall		4160	8330	10410	12490		35400	3040	14.8	13.4
06	15	15	15		Wall	Wall	Wall	Wall		4160	10410	10410	10410		35400	3040	14.8	13.4
09	09	09	09		Wall	Wall	Wall	Wall		8850	8850	8850	8850		35400	3060	14.9	13.4
09	09	09	12		Wall	Wall	Wall	Wall		8170	8170	8170	10890		35400	3030	14.7	13.3
09	09	09	15		Wall	Wall	Wall	Wall		7590	7590	7590	12640		35400	3030	14.7	13.3
09	09	09	18		Wall	Wall	Wall	Wall		7080	7080	7080	14160		35400	3030	14.7	13.3
09	09	09	24		Wall	Wall	Wall	Wall		6250	6250	6250	16660		35400	3040	14.8	13.4
09	09	12	12		Wall	Wall	Wall	Wall		7590	7590	10110	10110		35400	3030	14.7	13.3
09	09	12	15		Wall	Wall	Wall	Wall		7080	7080	9440	11800		35400	3030	14.7	13.3
09	09	12	18		Wall	Wall	Wall	Wall		6640	6640	8850	13280		35400	3030	14.7	13.3
09	09	15	15		Wall	Wall	Wall	Wall		6640	6640	11060	11060		35400	3030	14.7	13.3
09	09	15	18		Wall	Wall	Wall	Wall		6250	6250	10410	12490		35400	3040	14.8	13.4
09	12	12	12		Wall	Wall	Wall	Wall		7080	9440	9440	9440		35400	3030	14.7	13.3
09	12	12	15		Wall	Wall	Wall	Wall		6640	8850	8850	11060		35400	3030	14.7	13.3
09	12	12	18		Wall	Wall	Wall	Wall		6250	8330	8330	12490		35400	3040	14.8	13.4
09	12	15	15		Wall	Wall	Wall	Wall		6250	8330	10410	10410		35400	3040	14.8	13.4
12	12	12	12		Wall	Wall	Wall	Wall		8850	8850	8850	8850		35400	3030	14.7	13.3
12	12	12	15		Wall	Wall	Wall	Wall		8330	8330	8330	10410		35400	3040	14.8	13.4
06	06	06	06	06	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	6000	30000	2300	11.2	10.1
06	06	06	06	09	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	9000	33000	2680	13.0	11.8
06	06	06	06	12	Wall	Wall	Wall	Wall	Wall	5900	5900	5900	5900	11800	35400	2950	14.3	13.0
06	06	06	06	15	Wall	Wall	Wall	Wall	Wall	5450	5450	5450	5450	13620	35400	2950	14.3	13.0
06	06	06	06	18	Wall	Wall	Wall	Wall	Wall	5060	5060	5060	5060	15170	35400	2950	14.3	13.0
06	06	06	06	24	Wall	Wall	Wall	Wall	Wall	4430	4430	4430	4430	17700	35400	2950	14.3	13.0
06	06	06	09	09	Wall	Wall	Wall	Wall	Wall	5900	5900	5900	8850	8850	35400	2950	14.3	13.0
06	06	06	09	12	Wall	Wall	Wall	Wall	Wall	5450	5450	5450	8170	10890	35400	2950	14.3	13.0
06	06	06	09	15	Wall	Wall	Wall	Wall	Wall	5060	5060	5060	7590	12640	35400	2950	14.3	13.0
06	06	06	09	18	Wall	Wall	Wall	Wall	Wall	4720	4720	4720	7080	14160	35400	2950	14.3	13.0
06	06	06	09	24	Wall	Wall	Wall	Wall	Wall	4160	4160	4160	6250	16660	35400	2950	14.3	13.0
06	06	06	12	12	Wall	Wall	Wall	Wall	Wall	5060	5060	5060	10110	10110	35400	2950	14.3	13.0
06	06	06	12	15	Wall	Wall	Wall	Wall	Wall	4720	4720	4720	9440	11800	35400	2950	14.3	13.0
06	06	06	12	18	Wall	Wall	Wall	Wall	Wall	4430	4430	4430	8850	13280	35400	2950	14.3	13.0
06	06	06	15	15	Wall	Wall	Wall	Wall	Wall	4430	4430	4430	11060	11060	35400	2950	14.3	13.0
06	06	06	15	18	Wall	Wall	Wall	Wall	Wall	4160	4160	4160	10410	12490	35400	2950	14.3	13.0
06	06	09	09	09	Wall	Wall	Wall	Wall	Wall	5450	5450	8170	8170	8170	35400	2950	14.3	13.0
06	06	09	09	12	Wall	Wall	Wall	Wall	Wall	5060	5060	7590	7590	10110	35400	2950	14.3	13.0
06	06	09	09	15	Wall	Wall	Wall	Wall	Wall	4720	4720	7080	7080	11800	35400	2950	14.3	13.0
06	06	09	09	18	Wall	Wall	Wall	Wall	Wall	4430	4430	6640	6640	13280	35400	2950	14.3	13.0
06	06	09	12	12	Wall	Wall	Wall	Wall	Wall	4720	4720	7080	9440	9440	35400	2950	14.3	13.0
06	06	09	12	15	Wall	Wall	Wall	Wall	Wall	4430	4430	6640	8850	11060	35400	2950	14.3	13.0
06	06	09	12	18	Wall	Wall	Wall	Wall	Wall	4160	4160	6250	8330	12490	35400	2950	14.3	13.0

MXZ-5D36NL combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	09	15	15	Wall	Wall	Wall	Wall	Wall	4160	4160	6250	10410	10410	35400	2950	14.3	13.0
06	06	12	12	12	Wall	Wall	Wall	Wall	Wall	4430	4430	8850	8850	8850	35400	2950	14.3	13.0
06	06	12	12	15	Wall	Wall	Wall	Wall	Wall	4160	4160	8330	8330	10410	35400	2950	14.3	13.0
06	09	09	09	09	Wall	Wall	Wall	Wall	Wall	5060	7590	7590	7590	7590	35400	2950	14.3	13.0
06	09	09	09	12	Wall	Wall	Wall	Wall	Wall	4720	7080	7080	7080	9440	35400	2950	14.3	13.0
06	09	09	09	15	Wall	Wall	Wall	Wall	Wall	4430	6640	6640	6640	11060	35400	2950	14.3	13.0
06	09	09	09	18	Wall	Wall	Wall	Wall	Wall	4160	6250	6250	6250	12490	35400	2950	14.3	13.0
06	09	09	12	12	Wall	Wall	Wall	Wall	Wall	4430	6640	6640	8850	8850	35400	2950	14.3	13.0
06	09	09	12	15	Wall	Wall	Wall	Wall	Wall	4160	6250	6250	8330	10410	35400	2950	14.3	13.0
06	09	12	12	12	Wall	Wall	Wall	Wall	Wall	4160	6250	8330	8330	8330	35400	2950	14.3	13.0
09	09	09	09	09	Wall	Wall	Wall	Wall	Wall	7080	7080	7080	7080	7080	35400	2950	14.3	13.0
09	09	09	09	12	Wall	Wall	Wall	Wall	Wall	6640	6640	6640	6640	8850	35400	2950	14.3	13.0
09	09	09	09	15	Wall	Wall	Wall	Wall	Wall	6250	6250	6250	6250	10410	35400	2950	14.3	13.0
09	09	09	12	12	Wall	Wall	Wall	Wall	Wall	6250	6250	6250	8330	8330	35400	2950	14.3	13.0

MXZ-5D36NL combination table (Cooling) Duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09					Duct					9000					9000	980	4.8	4.3
12					Duct					12000					12000	1150	5.6	5.1
15					Duct					15000					15000	1450	7.0	6.4
18					Duct					17200					17200	1850	9.0	8.1
24					Duct					24000					24000	2400	11.7	10.5
09	09				Duct	Duct				9000	9000				18000	1820	8.8	8.0
09	12				Duct	Duct				9000	12000				21000	2000	9.7	8.8
09	15				Duct	Duct				9000	15000				24000	2300	11.2	10.1
09	18				Duct	Duct				8730	17470				26200	2550	12.4	11.2
09	24				Duct	Duct				7640	20360				28000	2850	13.8	12.5
12	12				Duct	Duct				12000	12000				24000	2300	11.2	10.1
12	15				Duct	Duct				11640	14560				26200	2550	12.4	11.2
12	18				Duct	Duct				11200	16800				28000	2850	13.8	12.5
12	24				Duct	Duct				9330	18670				28000	2850	13.8	12.5
15	15				Duct	Duct				14000	14000				28000	2850	13.8	12.5
15	18				Duct	Duct				12730	15270				28000	2850	13.8	12.5
15	24				Duct	Duct				11150	17850				29000	2800	13.6	12.3
18	18				Duct	Duct				14000	14000				28000	2850	13.8	12.5
18	24				Duct	Duct				12430	16570				29000	3140	15.2	13.8
24	24				Duct	Duct				15700	15700				31400	3569	17.3	15.7
09	09	09			Duct	Duct	Duct			9000	9000	9000			27000	2830	13.7	12.4
09	09	12			Duct	Duct	Duct			9000	9000	12000			30000	3120	15.2	13.7
09	09	15			Duct	Duct	Duct			8450	8450	14090			31000	3240	15.7	14.2
09	09	18			Duct	Duct	Duct			7750	7750	15500			31000	3380	16.4	14.8
09	09	24			Duct	Duct	Duct			6640	6640	17710			31000	3410	16.6	15.0
09	12	12			Duct	Duct	Duct			8450	11270	11270			31000	3240	15.7	14.2
09	12	15			Duct	Duct	Duct			7750	10330	12920			31000	3380	16.4	14.8
09	12	18			Duct	Duct	Duct			7150	9540	14310			31000	3350	16.3	14.7
09	12	24			Duct	Duct	Duct			6200	8270	16530			31000	3330	16.2	14.6
09	15	15			Duct	Duct	Duct			7150	11920	11920			31000	3350	16.3	14.7
09	15	18			Duct	Duct	Duct			6640	11070	13290			31000	3410	16.6	15.0
09	15	24			Duct	Duct	Duct			5890	9810	15700			31400	3380	16.4	14.8
09	18	18			Duct	Duct	Duct			6200	12400	12400			31000	3330	16.2	14.6
09	18	24			Duct	Duct	Duct			5540	11080	14780			31400	3430	16.7	15.1
12	12	12			Duct	Duct	Duct			10330	10330	10330			31000	3380	16.4	14.8
12	12	15			Duct	Duct	Duct			9540	9540	11920			31000	3350	16.3	14.7
12	12	18			Duct	Duct	Duct			8860	8860	13290			31000	3410	16.6	15.0
12	12	24			Duct	Duct	Duct			7850	7850	15700			31400	3380	16.4	14.8
12	15	15			Duct	Duct	Duct			8860	11070	11070			31000	3410	16.6	15.0
12	15	18			Duct	Duct	Duct			8270	10330	12400			31000	3330	16.2	14.6
12	15	24			Duct	Duct	Duct			7390	9240	14780			31400	3430	16.7	15.1
12	18	18			Duct	Duct	Duct			7850	11780	11780			31400	3380	16.4	14.8
15	15	15			Duct	Duct	Duct			10330	10330	10330			31000	3330	16.2	14.6
15	15	18			Duct	Duct	Duct			9810	9810	11780			31400	3380	16.4	14.8
15	18	18			Duct	Duct	Duct			9240	11080	11080			31400	3430	16.7	15.1
09	09	09	09		Duct	Duct	Duct	Duct		7850	7850	7850	7850		31400	3120	15.2	13.7
09	09	09	12		Duct	Duct	Duct	Duct		7250	7250	7250	9660		31400	3170	15.4	13.9
09	09	09	15		Duct	Duct	Duct	Duct		6730	6730	6730	11210		31400	3230	15.7	14.2
09	09	09	18		Duct	Duct	Duct	Duct		6280	6280	6280	12560		31400	3280	15.9	14.4
09	09	09	24		Duct	Duct	Duct	Duct		5540	5540	5540	14780		31400	3240	15.7	14.2
09	09	12	12		Duct	Duct	Duct	Duct		6730	6730	8970	8970		31400	3230	15.7	14.2
09	09	12	15		Duct	Duct	Duct	Duct		6280	6280	8370	10470		31400	3280	15.9	14.4
09	09	12	18		Duct	Duct	Duct	Duct		5890	5890	7850	11780		31400	3240	15.7	14.2
09	09	15	15		Duct	Duct	Duct	Duct		5890	5890	9810	9810		31400	3240	15.7	14.2
09	09	15	18		Duct	Duct	Duct	Duct		5540	5540	9240	11080		31400	3240	15.7	14.2
09	12	12	12		Duct	Duct	Duct	Duct		6280	8370	8370	8370		31400	3280	15.9	14.4
09	12	12	15		Duct	Duct	Duct	Duct		5890	7850	7850	9810		31400	3240	15.7	14.2
09	12	12	18		Duct	Duct	Duct	Duct		5540	7390	7390	11080		31400	3240	15.7	14.2
09	12	15	15		Duct	Duct	Duct	Duct		5540	7390	9240	9240		31400	3240	15.7	14.2
12	12	12	12		Duct	Duct	Duct	Duct		7850	7850	7850	7850		31400	3240	15.7	14.2
12	12	12	15		Duct	Duct	Duct	Duct		7390	7390	7390	9240		31400	3240	15.7	14.2
09	09	09	09	09	Duct	Duct	Duct	Duct	Duct	6280	6280	6280	6280	6280	31400	3150	15.3	13.8
09	09	09	09	12	Duct	Duct	Duct	Duct	Duct	5890	5890	5890	5890	7850	31400	3100	15.1	13.6
09	09	09	09	15	Duct	Duct	Duct	Duct	Duct	5540	5540	5540	5540	9240	31400	3100	15.1	13.6
09	09	09	12	12	Duct	Duct	Duct	Duct	Duct	5540	5540	5540	7390	7390	31400	3100	15.1	13.6

MXZ-5D36NL combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06					Wall					7400					7400	860	4.2	3.8
09					Wall					11000					11000	950	4.6	4.2
12					Wall					14400					14400	1210	5.9	5.3
15					Wall					18000					18000	1600	7.8	7.0
18					Wall					21600					21600	2000	9.7	8.8
24					Wall					27600					27600	2680	13.0	11.8
06	06				Wall	Wall				7400	7400				14800	1030	5.0	4.5
06	09				Wall	Wall				7360	11040				18400	1310	6.4	5.8
06	12				Wall	Wall				7330	14670				22000	1620	7.9	7.1
06	15				Wall	Wall				7260	18140				25400	1900	9.2	8.3
06	18				Wall	Wall				7000	21000				28000	2260	11.0	9.9
06	24				Wall	Wall				5600	22400				28000	2260	11.0	9.9
09	09				Wall	Wall				11000	11000				22000	1620	7.9	7.1
09	12				Wall	Wall				10890	14510				25400	1900	9.2	8.3
09	15				Wall	Wall				10500	17500				28000	2260	11.0	9.9
09	18				Wall	Wall				9330	18670				28000	2260	11.0	9.9
09	24				Wall	Wall				7640	20360				28000	2260	11.0	9.9
12	12				Wall	Wall				14000	14000				28000	2260	11.0	9.9
12	15				Wall	Wall				12440	15560				28000	2260	11.0	9.9
12	18				Wall	Wall				11200	16800				28000	2260	11.0	9.9
12	24				Wall	Wall				9330	18670				28000	2260	11.0	9.9
15	15				Wall	Wall				14000	14000				28000	2260	11.0	9.9
15	18				Wall	Wall				12730	15270				28000	2260	11.0	9.9
15	24				Wall	Wall				11150	17850				29000	2360	11.5	10.4
18	18				Wall	Wall				14000	14000				28000	2260	11.0	9.9
18	24				Wall	Wall				12430	16570				29000	2360	11.5	10.4
24	24				Wall	Wall				15000	15000				30000	2390	11.6	10.5
06	06	06			Wall	Wall	Wall			7400	7400	7400			22200	1450	7.0	6.4
06	06	09			Wall	Wall	Wall			7370	7370	11060			25800	1730	8.4	7.6
06	06	12			Wall	Wall	Wall			7300	7300	14600			29200	2120	10.3	9.3
06	06	15			Wall	Wall	Wall			7290	7290	18220			32800	2810	13.6	12.3
06	06	18			Wall	Wall	Wall			6560	6560	19680			32800	2810	13.6	12.3
06	06	24			Wall	Wall	Wall			5470	5470	21870			32800	2810	13.6	12.3
06	09	09			Wall	Wall	Wall			7300	10950	10950			29200	2120	10.3	9.3
06	09	12			Wall	Wall	Wall			7290	10930	14580			32800	2810	13.6	12.3
06	09	15			Wall	Wall	Wall			6560	9840	16400			32800	2810	13.6	12.3
06	09	18			Wall	Wall	Wall			5960	8950	17890			32800	2810	13.6	12.3
06	09	24			Wall	Wall	Wall			5050	7570	20180			32800	2810	13.6	12.3
06	12	12			Wall	Wall	Wall			6560	13120	13120			32800	2810	13.6	12.3
06	12	15			Wall	Wall	Wall			5960	11930	14910			32800	2810	13.6	12.3
06	12	18			Wall	Wall	Wall			5470	10930	16400			32800	2810	13.6	12.3
06	12	24			Wall	Wall	Wall			4690	9370	18740			32800	2810	13.6	12.3
06	15	15			Wall	Wall	Wall			5470	13670	13670			32800	2810	13.6	12.3
06	15	18			Wall	Wall	Wall			5050	12620	15140			32800	2810	13.6	12.3
06	15	24			Wall	Wall	Wall			4370	10930	17490			32800	2810	13.6	12.3
06	18	18			Wall	Wall	Wall			4690	14060	14060			32800	2810	13.6	12.3
06	18	24			Wall	Wall	Wall			4100	12300	16400			32800	2810	13.6	12.3
09	09	09			Wall	Wall	Wall			10930	10930	10930			32800	2810	13.6	12.3
09	09	12			Wall	Wall	Wall			9840	9840	13120			32800	2810	13.6	12.3
09	09	15			Wall	Wall	Wall			8950	8950	14910			32800	2810	13.6	12.3
09	09	18			Wall	Wall	Wall			8200	8200	16400			32800	2810	13.6	12.3
09	09	24			Wall	Wall	Wall			7030	7030	18740			32800	2810	13.6	12.3
09	12	12			Wall	Wall	Wall			8950	11930	11930			32800	2810	13.6	12.3
09	12	15			Wall	Wall	Wall			8200	10930	13670			32800	2810	13.6	12.3
09	12	18			Wall	Wall	Wall			7570	10090	15140			32800	2810	13.6	12.3
09	12	24			Wall	Wall	Wall			6560	8750	17490			32800	2810	13.6	12.3
09	15	15			Wall	Wall	Wall			7570	12620	12620			32800	2810	13.6	12.3
09	15	18			Wall	Wall	Wall			7030	11710	14060			32800	2810	13.6	12.3
09	15	24			Wall	Wall	Wall			6150	10250	16400			32800	2810	13.6	12.3
09	18	18			Wall	Wall	Wall			6560	13120	13120			32800	2810	13.6	12.3
09	18	24			Wall	Wall	Wall			5790	11580	15440			32800	2810	13.6	12.3
12	12	12			Wall	Wall	Wall			10930	10930	10930			32800	2810	13.6	12.3
12	12	15			Wall	Wall	Wall			10090	10090	12620			32800	2810	13.6	12.3
12	12	18			Wall	Wall	Wall			9370	9370	14060			32800	2810	13.6	12.3
12	12	24			Wall	Wall	Wall			8200	8200	16400			32800	2810	13.6	12.3
12	15	15			Wall	Wall	Wall			9370	11710	11710			32800	2810	13.6	12.3
12	15	18			Wall	Wall	Wall			8750	10930	13120			32800	2810	13.6	12.3
12	15	24			Wall	Wall	Wall			7720	9650	15440			32800	2810	13.6	12.3
12	18	18			Wall	Wall	Wall			8200	12300	12300			32800	2810	13.6	12.3
15	15	15			Wall	Wall	Wall			10930	10930	10930			32800	2810	13.6	12.3
15	15	18			Wall	Wall	Wall			10250	10250	12300			32800	2810	13.6	12.3
15	18	18			Wall	Wall	Wall			9650	11580	11580			32800	2810	13.6	12.3
06	06	06	06		Wall	Wall	Wall	Wall		7400	7400	7400	7400		29600	2380	11.6	10.5

MXZ-5D36NL combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	06	09		Wall	Wall	Wall	Wall		7380	7380	7380	11070		33200	2730	13.3	12.0
06	06	06	12		Wall	Wall	Wall	Wall		7200	7200	7200	14400		36000	3110	15.1	13.7
06	06	06	15		Wall	Wall	Wall	Wall		6550	6550	6550	16360		36000	3110	15.1	13.7
06	06	06	18		Wall	Wall	Wall	Wall		6000	6000	6000	18000		36000	3110	15.1	13.7
06	06	06	24		Wall	Wall	Wall	Wall		5140	5140	5140	20570		36000	3110	15.1	13.7
06	06	09	09		Wall	Wall	Wall	Wall		7200	7200	10800	10800		36000	3110	15.1	13.7
06	06	09	12		Wall	Wall	Wall	Wall		6550	6550	9820	13090		36000	3110	15.1	13.7
06	06	09	15		Wall	Wall	Wall	Wall		6000	6000	9000	15000		36000	3110	15.1	13.7
06	06	09	18		Wall	Wall	Wall	Wall		5540	5540	8310	16620		36000	3110	15.1	13.7
06	06	09	24		Wall	Wall	Wall	Wall		4800	4800	7200	19200		36000	3110	15.1	13.7
06	06	12	12		Wall	Wall	Wall	Wall		6000	6000	12000	12000		36000	3110	15.1	13.7
06	06	12	15		Wall	Wall	Wall	Wall		5540	5540	11080	13850		36000	3110	15.1	13.7
06	06	12	18		Wall	Wall	Wall	Wall		5140	5140	10290	15430		36000	3110	15.1	13.7
06	06	12	24		Wall	Wall	Wall	Wall		4500	4500	9000	18000		36000	3110	15.1	13.7
06	06	15	15		Wall	Wall	Wall	Wall		5140	5140	12860	12860		36000	3110	15.1	13.7
06	06	15	18		Wall	Wall	Wall	Wall		4800	4800	12000	14400		36000	3110	15.1	13.7
06	06	15	24		Wall	Wall	Wall	Wall		4240	4240	10590	16940		36000	3110	15.1	13.7
06	06	18	18		Wall	Wall	Wall	Wall		4500	4500	13500	13500		36000	3110	15.1	13.7
06	09	09	09		Wall	Wall	Wall	Wall		6550	9820	9820	9820		36000	3110	15.1	13.7
06	09	09	12		Wall	Wall	Wall	Wall		6000	9000	9000	12000		36000	3110	15.1	13.7
06	09	09	15		Wall	Wall	Wall	Wall		5540	8310	8310	13850		36000	3110	15.1	13.7
06	09	09	18		Wall	Wall	Wall	Wall		5140	7710	7710	15430		36000	3110	15.1	13.7
06	09	09	24		Wall	Wall	Wall	Wall		4500	6750	6750	18000		36000	3110	15.1	13.7
06	09	12	12		Wall	Wall	Wall	Wall		5540	8310	11080	11080		36000	3110	15.1	13.7
06	09	12	15		Wall	Wall	Wall	Wall		5140	7710	10290	12860		36000	3110	15.1	13.7
06	09	12	18		Wall	Wall	Wall	Wall		4800	7200	9600	14400		36000	3110	15.1	13.7
06	09	12	24		Wall	Wall	Wall	Wall		4240	6350	8470	16940		36000	3110	15.1	13.7
06	09	15	15		Wall	Wall	Wall	Wall		4800	7200	12000	12000		36000	3110	15.1	13.7
06	09	15	18		Wall	Wall	Wall	Wall		4500	6750	11250	13500		36000	3110	15.1	13.7
06	09	18	18		Wall	Wall	Wall	Wall		4240	6350	12710	12710		36000	3110	15.1	13.7
06	12	12	12		Wall	Wall	Wall	Wall		5140	10290	10290	10290		36000	3110	15.1	13.7
06	12	12	15		Wall	Wall	Wall	Wall		4800	9600	9600	12000		36000	3110	15.1	13.7
06	12	12	18		Wall	Wall	Wall	Wall		4500	9000	9000	13500		36000	3110	15.1	13.7
06	12	15	15		Wall	Wall	Wall	Wall		4500	9000	11250	11250		36000	3110	15.1	13.7
06	12	15	18		Wall	Wall	Wall	Wall		4240	8470	10590	12710		36000	3110	15.1	13.7
06	15	15	15		Wall	Wall	Wall	Wall		4240	10590	10590	10590		36000	3110	15.1	13.7
09	09	09	09		Wall	Wall	Wall	Wall		9000	9000	9000	9000		36000	3110	15.1	13.7
09	09	09	12		Wall	Wall	Wall	Wall		8310	8310	8310	11080		36000	3110	15.1	13.7
09	09	09	15		Wall	Wall	Wall	Wall		7710	7710	7710	12860		36000	3110	15.1	13.7
09	09	09	18		Wall	Wall	Wall	Wall		7200	7200	7200	14400		36000	3110	15.1	13.7
09	09	09	24		Wall	Wall	Wall	Wall		6350	6350	6350	16940		36000	3110	15.1	13.7
09	09	12	12		Wall	Wall	Wall	Wall		7710	7710	10290	10290		36000	3110	15.1	13.7
09	09	12	15		Wall	Wall	Wall	Wall		7200	7200	9600	12000		36000	3110	15.1	13.7
09	09	12	18		Wall	Wall	Wall	Wall		6750	6750	9000	13500		36000	3110	15.1	13.7
09	09	15	15		Wall	Wall	Wall	Wall		6750	6750	11250	11250		36000	3110	15.1	13.7
09	09	15	18		Wall	Wall	Wall	Wall		6350	6350	10590	12710		36000	3110	15.1	13.7
09	12	12	12		Wall	Wall	Wall	Wall		7200	9600	9600	9600		36000	3110	15.1	13.7
09	12	12	15		Wall	Wall	Wall	Wall		6750	9000	9000	11250		36000	3110	15.1	13.7
09	12	12	18		Wall	Wall	Wall	Wall		6350	8470	8470	12710		36000	3110	15.1	13.7
09	12	15	15		Wall	Wall	Wall	Wall		6350	8470	10590	10590		36000	3110	15.1	13.7
12	12	12	12		Wall	Wall	Wall	Wall		9000	9000	9000	9000		36000	3110	15.1	13.7
12	12	12	15		Wall	Wall	Wall	Wall		8470	8470	8470	10590		36000	3110	15.1	13.7
06	06	06	06	06	Wall	Wall	Wall	Wall	Wall	7200	7200	7200	7200	7200	36000	3050	14.8	13.4
06	06	06	06	09	Wall	Wall	Wall	Wall	Wall	6550	6550	6550	6550	9820	36000	3050	14.8	13.4
06	06	06	06	12	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	12000	36000	3015	14.6	13.2
06	06	06	06	15	Wall	Wall	Wall	Wall	Wall	5540	5540	5540	5540	13850	36000	3050	14.8	13.4
06	06	06	06	18	Wall	Wall	Wall	Wall	Wall	5140	5140	5140	5140	15430	36000	3050	14.8	13.4
06	06	06	06	24	Wall	Wall	Wall	Wall	Wall	4500	4500	4500	4500	18000	36000	3060	14.9	13.4
06	06	06	09	09	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	9000	9000	36000	3015	14.6	13.2
06	06	06	09	12	Wall	Wall	Wall	Wall	Wall	5540	5540	5540	8310	11080	36000	3050	14.8	13.4
06	06	06	09	15	Wall	Wall	Wall	Wall	Wall	5140	5140	5140	7710	12860	36000	3050	14.8	13.4
06	06	06	09	18	Wall	Wall	Wall	Wall	Wall	4800	4800	4800	7200	14400	36000	3060	14.9	13.4
06	06	06	09	24	Wall	Wall	Wall	Wall	Wall	4240	4240	4240	6350	16940	36000	3060	14.9	13.4
06	06	06	12	12	Wall	Wall	Wall	Wall	Wall	5140	5140	5140	10290	10290	36000	3050	14.8	13.4
06	06	06	12	15	Wall	Wall	Wall	Wall	Wall	4800	4800	4800	9600	12000	36000	3060	14.9	13.4
06	06	06	12	18	Wall	Wall	Wall	Wall	Wall	4500	4500	4500	9000	13500	36000	3060	14.9	13.4
06	06	06	15	15	Wall	Wall	Wall	Wall	Wall	4500	4500	4500	11250	11250	36000	3060	14.9	13.4
06	06	06	15	18	Wall	Wall	Wall	Wall	Wall	4240	4240	4240	10590	12710	36000	3060	14.9	13.4
06	06	09	09	09	Wall	Wall	Wall	Wall	Wall	5540	5540	8310	8310	8310	36000	3050	14.8	13.4
06	06	09	09	12	Wall	Wall	Wall	Wall	Wall	5140	5140	7710	7710	10290	36000	3050	14.8	13.4
06	06	09	09	15	Wall	Wall	Wall	Wall	Wall	4800	4800	7200	7200	12000	36000	3060	14.9	13.4
06	06	09	09	18	Wall	Wall	Wall	Wall	Wall	4500	4500	6750	6750	13500	36000	3060	14.9	13.4
06	06	09	12	12	Wall	Wall	Wall	Wall	Wall	4800	4800	7200	9600	9600	36000	3060	14.9	13.4

MXZ-5D36NL combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	09	12	15	Wall	Wall	Wall	Wall	Wall	4500	4500	6750	9000	11250	36000	3060	14.9	13.4
06	06	09	12	18	Wall	Wall	Wall	Wall	Wall	4240	4240	6350	8470	12710	36000	3060	14.9	13.4
06	06	09	15	15	Wall	Wall	Wall	Wall	Wall	4240	4240	6350	10590	10590	36000	3060	14.9	13.4
06	06	12	12	12	Wall	Wall	Wall	Wall	Wall	4500	4500	9000	9000	9000	36000	3060	14.9	13.4
06	06	12	12	15	Wall	Wall	Wall	Wall	Wall	4240	4240	8470	8470	10590	36000	3060	14.9	13.4
06	09	09	09	09	Wall	Wall	Wall	Wall	Wall	5140	7710	7710	7710	7710	36000	3050	14.8	13.4
06	09	09	09	12	Wall	Wall	Wall	Wall	Wall	4800	7200	7200	7200	9600	36000	3060	14.9	13.4
06	09	09	09	15	Wall	Wall	Wall	Wall	Wall	4500	6750	6750	6750	11250	36000	3060	14.9	13.4
06	09	09	09	18	Wall	Wall	Wall	Wall	Wall	4240	6350	6350	6350	12710	36000	3060	14.9	13.4
06	09	09	12	12	Wall	Wall	Wall	Wall	Wall	4500	6750	6750	9000	9000	36000	3060	14.9	13.4
06	09	09	12	15	Wall	Wall	Wall	Wall	Wall	4240	6350	6350	8470	10590	36000	3060	14.9	13.4
06	09	12	12	12	Wall	Wall	Wall	Wall	Wall	4240	6350	8470	8470	8470	36000	3060	14.9	13.4
09	09	09	09	09	Wall	Wall	Wall	Wall	Wall	7200	7200	7200	7200	7200	36000	3060	14.9	13.4
09	09	09	09	12	Wall	Wall	Wall	Wall	Wall	6750	6750	6750	6750	9000	36000	3060	14.9	13.4
09	09	09	09	15	Wall	Wall	Wall	Wall	Wall	6350	6350	6350	6350	10590	36000	3060	14.9	13.4
09	09	09	12	12	Wall	Wall	Wall	Wall	Wall	6350	6350	6350	8470	8470	36000	3060	14.9	13.4

MXZ-5D36NL combination table (Heating) Duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09					Duct					10900					10900	1000	4.9	4.4
12					Duct					13600					13600	1260	6.1	5.5
15					Duct					18000					18000	1650	8.0	7.2
18					Duct					21600					21600	2050	10.0	9.0
24					Duct					26000					26000	2710	13.2	11.9
09	09				Duct	Duct				10900	10900				21800	1820	8.8	8.0
09	12				Duct	Duct				10500	14000				24500	2000	9.7	8.8
09	15				Duct	Duct				10200	17000				27200	2400	11.7	10.5
09	18				Duct	Duct				9330	18670				28000	2390	11.6	10.5
09	24				Duct	Duct				7640	20360				28000	2550	12.4	11.2
12	12				Duct	Duct				13600	13600				27200	2400	11.7	10.5
12	15				Duct	Duct				12440	15560				28000	2390	11.6	10.5
12	18				Duct	Duct				11200	16800				28000	2550	12.4	11.2
12	24				Duct	Duct				9330	18670				28000	2770	13.5	12.2
15	15				Duct	Duct				14000	14000				28000	2550	12.4	11.2
15	18				Duct	Duct				12730	15270				28000	2550	12.4	11.2
15	24				Duct	Duct				11540	18460				30000	2620	12.7	11.5
18	18				Duct	Duct				14000	14000				28000	2770	13.5	12.2
18	24				Duct	Duct				13290	17710				31000	3130	15.2	13.7
24	24				Duct	Duct				17200	17200				34400	3253	15.8	14.3
09	09	09			Duct	Duct	Duct			10900	10900	10900			32700	2970	14.4	13.0
09	09	12			Duct	Duct	Duct			9810	9810	13080			32700	2960	14.4	13.0
09	09	15			Duct	Duct	Duct			8920	8920	14860			32700	2990	14.5	13.1
09	09	18			Duct	Duct	Duct			8180	8180	16350			32700	2960	14.4	13.0
09	09	24			Duct	Duct	Duct			7010	7010	18690			32700	2990	14.5	13.1
09	12	12			Duct	Duct	Duct			8920	11890	11890			32700	2990	14.5	13.1
09	12	15			Duct	Duct	Duct			8180	10900	13630			32700	2960	14.4	13.0
09	12	18			Duct	Duct	Duct			7550	10060	15090			32700	2940	14.3	12.9
09	12	24			Duct	Duct	Duct			6540	8720	17440			32700	3020	14.7	13.3
09	15	15			Duct	Duct	Duct			7550	12580	12580			32700	2940	14.3	12.9
09	15	18			Duct	Duct	Duct			7010	11680	14010			32700	2990	14.5	13.1
09	15	24			Duct	Duct	Duct			6450	10750	17200			34400	3070	14.9	13.5
09	18	18			Duct	Duct	Duct			6540	13080	13080			32700	3020	14.7	13.3
09	18	24			Duct	Duct	Duct			6070	12140	16190			34400	3120	15.2	13.7
12	12	12			Duct	Duct	Duct			10900	10900	10900			32700	2960	14.4	13.0
12	12	15			Duct	Duct	Duct			10060	10060	12580			32700	2940	14.3	12.9
12	12	18			Duct	Duct	Duct			9340	9340	14010			32700	2990	14.5	13.1
12	12	24			Duct	Duct	Duct			8600	8600	17200			34400	3070	14.9	13.5
12	15	15			Duct	Duct	Duct			9340	11680	11680			32700	2990	14.5	13.1
12	15	18			Duct	Duct	Duct			8720	10900	13080			32700	3020	14.7	13.3
12	15	24			Duct	Duct	Duct			8090	10120	16190			34400	3120	15.2	13.7
12	18	18			Duct	Duct	Duct			8600	12900	12900			34400	3070	14.9	13.5
15	15	15			Duct	Duct	Duct			10900	10900	10900			32700	3020	14.7	13.3
15	15	18			Duct	Duct	Duct			10750	10750	12900			34400	3070	14.9	13.5
15	18	18			Duct	Duct	Duct			10120	12140	12140			34400	3120	15.2	13.7
09	09	09	09		Duct	Duct	Duct	Duct		8600	8600	8600	8600		34400	2830	13.7	12.4
09	09	09	12		Duct	Duct	Duct	Duct		7940	7940	7940	10580		34400	2890	14.0	12.7
09	09	09	15		Duct	Duct	Duct	Duct		7370	7370	7370	12290		34400	2920	14.2	12.8
09	09	09	18		Duct	Duct	Duct	Duct		6880	6880	6880	13760		34400	2970	14.4	13.0
09	09	09	24		Duct	Duct	Duct	Duct		6070	6070	6070	16190		34400	2940	14.3	12.9
09	09	12	12		Duct	Duct	Duct	Duct		7370	7370	9830	9830		34400	2920	14.2	12.8
09	09	12	15		Duct	Duct	Duct	Duct		6880	6880	9170	11470		34400	2970	14.4	13.0
09	09	12	18		Duct	Duct	Duct	Duct		6450	6450	8600	12900		34400	2760	13.4	12.1
09	09	15	15		Duct	Duct	Duct	Duct		6450	6450	10750	10750		34400	2760	13.4	12.1
09	09	15	18		Duct	Duct	Duct	Duct		6070	6070	10120	12140		34400	2940	14.3	12.9
09	12	12	12		Duct	Duct	Duct	Duct		6880	9170	9170	9170		34400	2970	14.4	13.0
09	12	12	15		Duct	Duct	Duct	Duct		6450	8600	8600	10750		34400	2760	13.4	12.1
09	12	12	18		Duct	Duct	Duct	Duct		6070	8090	8090	12140		34400	2940	14.3	12.9
09	12	15	15		Duct	Duct	Duct	Duct		6070	8090	10120	10120		34400	2940	14.3	12.9
12	12	12	12		Duct	Duct	Duct	Duct		8600	8600	8600	8600		34400	2760	13.4	12.1
12	12	12	15		Duct	Duct	Duct	Duct		8090	8090	8090	10120		34400	2940	14.3	12.9
09	09	09	09	09	Duct	Duct	Duct	Duct	Duct	6880	6880	6880	6880	6880	34400	2870	13.9	12.6
09	09	09	09	12	Duct	Duct	Duct	Duct	Duct	6450	6450	6450	6450	8600	34400	2810	13.6	12.3
09	09	09	09	15	Duct	Duct	Duct	Duct	Duct	6070	6070	6070	6070	10120	34400	2810	13.6	12.3
09	09	09	12	12	Duct	Duct	Duct	Duct	Duct	6070	6070	6070	8090	8090	34400	2810	13.6	12.3

MXZ-5D42NL combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06					Wall					6000					6000	910	4.4	4.0
09					Wall					9000					9000	930	4.5	4.1
12					Wall					12000					12000	1020	5.0	4.5
15					Wall					14000					14000	1200	5.8	5.3
18					Wall					17200					17200	1480	7.2	6.5
24					Wall					22500					22500	2290	11.1	10.1
06	06				Wall	Wall				6000	6000				12000	950	4.6	4.2
06	09				Wall	Wall				6000	9000				15000	1030	5.0	4.5
06	12				Wall	Wall				6000	12000				18000	1300	6.3	5.7
06	15				Wall	Wall				5710	14290				20000	1700	8.3	7.5
06	18				Wall	Wall				5750	17250				23000	2150	10.4	9.4
06	24				Wall	Wall				5600	22400				28000	2600	12.6	11.4
09	09				Wall	Wall				9000	9000				18000	1300	6.3	5.7
09	12				Wall	Wall				8570	11430				20000	1700	8.3	7.5
09	15				Wall	Wall				8630	14380				23000	2150	10.4	9.4
09	18				Wall	Wall				8600	17200				25800	2450	11.9	10.8
09	24				Wall	Wall				7640	20360				28000	2600	12.6	11.4
12	12				Wall	Wall				11500	11500				23000	2150	10.4	9.4
12	15				Wall	Wall				11470	14330				25800	2450	11.9	10.8
12	18				Wall	Wall				11200	16800				28000	2600	12.6	11.4
12	24				Wall	Wall				9330	18670				28000	2600	12.6	11.4
15	15				Wall	Wall				14000	14000				28000	2600	12.6	11.4
15	18				Wall	Wall				12730	15270				28000	2600	12.6	11.4
15	24				Wall	Wall				11150	17850				29000	2650	12.9	11.6
18	18				Wall	Wall				14000	14000				28000	2600	12.6	11.4
18	24				Wall	Wall				12430	16570				29000	2650	12.9	11.6
24	24				Wall	Wall				15000	15000				30000	2650	12.9	11.6
06	06	06			Wall	Wall	Wall			6000	6000	6000			18000	1200	5.8	5.3
06	06	09			Wall	Wall	Wall			6000	6000	9000			21000	1360	6.6	6.0
06	06	12			Wall	Wall	Wall			6000	6000	12000			24000	1800	8.7	7.9
06	06	15			Wall	Wall	Wall			5780	5780	14440			26000	2250	10.9	9.9
06	06	18			Wall	Wall	Wall			5800	5800	17400			29000	2400	11.7	10.5
06	06	24			Wall	Wall	Wall			5430	5430	21730			32600	2900	14.1	12.7
06	09	09			Wall	Wall	Wall			6000	9000	9000			24000	1800	8.7	7.9
06	09	12			Wall	Wall	Wall			5780	8670	11560			26000	2250	10.9	9.9
06	09	15			Wall	Wall	Wall			5800	8700	14500			29000	2400	11.7	10.5
06	09	18			Wall	Wall	Wall			5820	8730	17450			32000	2850	13.8	12.5
06	09	24			Wall	Wall	Wall			5020	7520	20060			32600	2960	14.4	13.0
06	12	12			Wall	Wall	Wall			5800	11600	11600			29000	2400	11.7	10.5
06	12	15			Wall	Wall	Wall			5820	11640	14550			32000	2850	13.8	12.5
06	12	18			Wall	Wall	Wall			5430	10870	16300			32600	2900	14.1	12.7
06	12	24			Wall	Wall	Wall			4660	9310	18630			32600	3100	15.1	13.6
06	15	15			Wall	Wall	Wall			5430	13580	13580			32600	2900	14.1	12.7
06	15	18			Wall	Wall	Wall			5020	12540	15050			32600	2960	14.4	13.0
06	15	24			Wall	Wall	Wall			4350	10870	17390			32600	3130	15.2	13.7
06	18	18			Wall	Wall	Wall			4660	13970	13970			32600	3100	15.1	13.6
06	18	24			Wall	Wall	Wall			4080	12230	16300			32600	3120	15.2	13.7
09	09	09			Wall	Wall	Wall			8670	8670	8670			26000	2250	10.9	9.9
09	09	12			Wall	Wall	Wall			8700	8700	11600			29000	2400	11.7	10.5
09	09	15			Wall	Wall	Wall			8730	8730	14550			32000	2850	13.8	12.5
09	09	18			Wall	Wall	Wall			8150	8150	16300			32600	2900	14.1	12.7
09	09	24			Wall	Wall	Wall			6990	6990	18630			32600	3100	15.1	13.6
09	12	12			Wall	Wall	Wall			8730	11640	11640			32000	2850	13.8	12.5
09	12	15			Wall	Wall	Wall			8150	10870	13580			32600	2900	14.1	12.7
09	12	18			Wall	Wall	Wall			7520	10030	15050			32600	2960	14.4	13.0
09	12	24			Wall	Wall	Wall			6520	8690	17390			32600	3130	15.2	13.7
09	15	15			Wall	Wall	Wall			7520	12540	12540			32600	2960	14.4	13.0
09	15	18			Wall	Wall	Wall			6990	11640	13970			32600	3100	15.1	13.6
09	15	24			Wall	Wall	Wall			6110	10190	16300			32600	3120	15.2	13.7
09	18	18			Wall	Wall	Wall			6520	13040	13040			32600	3130	15.2	13.7
09	18	24			Wall	Wall	Wall			5750	11510	15340			32600	3140	15.2	13.8
12	12	12			Wall	Wall	Wall			10870	10870	10870			32600	2900	14.1	12.7
12	12	15			Wall	Wall	Wall			10030	10030	12540			32600	2960	14.4	13.0
12	12	18			Wall	Wall	Wall			9310	9310	13970			32600	3100	15.1	13.6
12	12	24			Wall	Wall	Wall			8150	8150	16300			32600	3120	15.2	13.7
12	15	15			Wall	Wall	Wall			9310	11640	11640			32600	3100	15.1	13.6
12	15	18			Wall	Wall	Wall			8690	10870	13040			32600	3130	15.2	13.7
12	15	24			Wall	Wall	Wall			7670	9590	15340			32600	3140	15.2	13.8
12	18	18			Wall	Wall	Wall			8150	12230	12230			32600	3120	15.2	13.7
15	15	15			Wall	Wall	Wall			10870	10870	10870			32600	3130	15.2	13.7
15	15	18			Wall	Wall	Wall			10190	10190	12230			32600	3120	15.2	13.7
15	18	18			Wall	Wall	Wall			9590	11510	11510			32600	3140	15.2	13.8
06	06	06	06		Wall	Wall	Wall	Wall		6000	6000	6000	6000		24000	1720	8.4	7.6
06	06	06	09		Wall	Wall	Wall	Wall		6000	6000	6000	9000		27000	2160	10.5	9.5

MXZ-5D42NL combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	06	12		Wall	Wall	Wall	Wall		6000	6000	6000	12000		30000	3080	15.0	13.5
06	06	06	15		Wall	Wall	Wall	Wall		5820	5820	5820	14550		32000	3440	16.7	15.1
06	06	06	18		Wall	Wall	Wall	Wall		5900	5900	5900	17700		35400	3790	18.4	16.6
06	06	06	24		Wall	Wall	Wall	Wall		5430	5430	5430	21710		38000	4060	19.7	17.8
06	06	09	09		Wall	Wall	Wall	Wall		6000	6000	9000	9000		30000	3080	15.0	13.5
06	06	09	12		Wall	Wall	Wall	Wall		5820	5820	8730	11640		32000	3440	16.7	15.1
06	06	09	15		Wall	Wall	Wall	Wall		5900	5900	8850	14750		35400	3790	18.4	16.6
06	06	09	18		Wall	Wall	Wall	Wall		5850	5850	8770	17540		38000	4060	19.7	17.8
06	06	09	24		Wall	Wall	Wall	Wall		5070	5070	7600	20270		38000	4060	19.7	17.8
06	06	12	12		Wall	Wall	Wall	Wall		5900	5900	11800	11800		35400	3790	18.4	16.6
06	06	12	15		Wall	Wall	Wall	Wall		5850	5850	11690	14620		38000	4060	19.7	17.8
06	06	12	18		Wall	Wall	Wall	Wall		5430	5430	10860	16290		38000	4060	19.7	17.8
06	06	12	24		Wall	Wall	Wall	Wall		4750	4750	9500	19000		38000	4060	19.7	17.8
06	06	15	15		Wall	Wall	Wall	Wall		5430	5430	13570	13570		38000	4060	19.7	17.8
06	06	15	18		Wall	Wall	Wall	Wall		5070	5070	12670	15200		38000	4060	19.7	17.8
06	06	15	24		Wall	Wall	Wall	Wall		4470	4470	11180	17880		38000	4070	19.8	17.9
06	06	18	18		Wall	Wall	Wall	Wall		4750	4750	14250	14250		38000	4060	19.7	17.8
06	09	09	09		Wall	Wall	Wall	Wall		5820	8730	8730	8730		32000	3440	16.7	15.1
06	09	09	12		Wall	Wall	Wall	Wall		5900	8850	8850	11800		35400	3790	18.4	16.6
06	09	09	15		Wall	Wall	Wall	Wall		5850	8770	8770	14620		38000	4060	19.7	17.8
06	09	09	18		Wall	Wall	Wall	Wall		5430	8140	8140	16290		38000	4060	19.7	17.8
06	09	09	24		Wall	Wall	Wall	Wall		4750	7130	7130	19000		38000	4060	19.7	17.8
06	09	12	12		Wall	Wall	Wall	Wall		5850	8770	11690	11690		38000	4060	19.7	17.8
06	09	12	15		Wall	Wall	Wall	Wall		5430	8140	10860	13570		38000	4060	19.7	17.8
06	09	12	18		Wall	Wall	Wall	Wall		5070	7600	10130	15200		38000	4060	19.7	17.8
06	09	12	24		Wall	Wall	Wall	Wall		4470	6710	8940	17880		38000	4070	19.8	17.9
06	09	15	15		Wall	Wall	Wall	Wall		5070	7600	12670	12670		38000	4060	19.7	17.8
06	09	15	18		Wall	Wall	Wall	Wall		4750	7130	11880	14250		38000	4060	19.7	17.8
06	09	18	18		Wall	Wall	Wall	Wall		4470	6710	13410	13410		38000	4070	19.8	17.9
06	12	12	12		Wall	Wall	Wall	Wall		5430	10860	10860	10860		38000	4060	19.7	17.8
06	12	12	15		Wall	Wall	Wall	Wall		5070	10130	10130	12670		38000	4060	19.7	17.8
06	12	12	18		Wall	Wall	Wall	Wall		4750	9500	9500	14250		38000	4060	19.7	17.8
06	12	15	15		Wall	Wall	Wall	Wall		4750	9500	11880	11880		38000	4060	19.7	17.8
06	12	15	18		Wall	Wall	Wall	Wall		4470	8940	11180	13410		38000	4070	19.8	17.9
06	15	15	15		Wall	Wall	Wall	Wall		4470	11180	11180	11180		38000	4070	19.8	17.9
09	09	09	09		Wall	Wall	Wall	Wall		8850	8850	8850	8850		35400	3790	18.4	16.6
09	09	09	12		Wall	Wall	Wall	Wall		8770	8770	8770	11690		38000	4060	19.7	17.8
09	09	09	15		Wall	Wall	Wall	Wall		8140	8140	8140	13570		38000	4060	19.7	17.8
09	09	09	18		Wall	Wall	Wall	Wall		7600	7600	7600	15200		38000	4060	19.7	17.8
09	09	09	24		Wall	Wall	Wall	Wall		6710	6710	6710	17880		38000	4070	19.8	17.9
09	09	12	12		Wall	Wall	Wall	Wall		8140	8140	10860	10860		38000	4060	19.7	17.8
09	09	12	15		Wall	Wall	Wall	Wall		7600	7600	10130	12670		38000	4060	19.7	17.8
09	09	12	18		Wall	Wall	Wall	Wall		7130	7130	9500	14250		38000	4060	19.7	17.8
09	09	15	15		Wall	Wall	Wall	Wall		7130	7130	11880	11880		38000	4060	19.7	17.8
09	09	15	18		Wall	Wall	Wall	Wall		6710	6710	11180	13410		38000	4070	19.8	17.9
09	12	12	12		Wall	Wall	Wall	Wall		7600	10130	10130	10130		38000	4060	19.7	17.8
09	12	12	15		Wall	Wall	Wall	Wall		7130	9500	9500	11880		38000	4060	19.7	17.8
09	12	12	18		Wall	Wall	Wall	Wall		6710	8940	8940	13410		38000	4070	19.8	17.9
09	12	15	15		Wall	Wall	Wall	Wall		6710	8940	11180	11180		38000	4070	19.8	17.9
12	12	12	12		Wall	Wall	Wall	Wall		9500	9500	9500	9500		38000	4060	19.7	17.8
12	12	12	15		Wall	Wall	Wall	Wall		8940	8940	8940	11180		38000	4070	19.8	17.9
06	06	06	06	06	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	6000	30000	2980	14.5	13.1
06	06	06	06	09	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	9000	33000	3480	16.9	15.3
06	06	06	06	12	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	6000	12000	36000	3890	18.9	17.1
06	06	06	06	15	Wall	Wall	Wall	Wall	Wall	5850	5850	5850	5850	14620	38000	4100	19.9	18.0
06	06	06	06	18	Wall	Wall	Wall	Wall	Wall	5790	5790	5790	5790	17360	40500	4355	21.1	19.1
06	06	06	06	24	Wall	Wall	Wall	Wall	Wall	5060	5060	5060	5060	20250	40500	4360	21.2	19.1
06	06	06	09	09	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	9000	9000	36000	3890	18.9	17.1
06	06	06	09	12	Wall	Wall	Wall	Wall	Wall	5850	5850	5850	8770	11690	38000	4100	19.9	18.0
06	06	06	09	15	Wall	Wall	Wall	Wall	Wall	5790	5790	5790	8680	14460	40500	4355	21.1	19.1
06	06	06	09	18	Wall	Wall	Wall	Wall	Wall	5400	5400	5400	8100	16200	40500	4360	21.2	19.1
06	06	06	09	24	Wall	Wall	Wall	Wall	Wall	4760	4760	4760	7150	19060	40500	4360	21.2	19.1
06	06	06	12	12	Wall	Wall	Wall	Wall	Wall	5790	5790	5790	11570	11570	40500	4355	21.1	19.1
06	06	06	12	15	Wall	Wall	Wall	Wall	Wall	5400	5400	5400	10800	13500	40500	4360	21.2	19.1
06	06	06	12	18	Wall	Wall	Wall	Wall	Wall	5060	5060	5060	10130	15190	40500	4360	21.2	19.1
06	06	06	15	15	Wall	Wall	Wall	Wall	Wall	5060	5060	5060	12660	12660	40500	4360	21.2	19.1
06	06	06	15	18	Wall	Wall	Wall	Wall	Wall	4760	4760	4760	11910	14290	40500	4360	21.2	19.1
06	06	09	09	09	Wall	Wall	Wall	Wall	Wall	5850	5850	8770	8770	8770	38000	4100	19.9	18.0
06	06	09	09	12	Wall	Wall	Wall	Wall	Wall	5790	5790	8680	8680	11570	40500	4355	21.1	19.1
06	06	09	09	15	Wall	Wall	Wall	Wall	Wall	5400	5400	8100	8100	13500	40500	4360	21.2	19.1
06	06	09	09	18	Wall	Wall	Wall	Wall	Wall	5060	5060	7590	7590	15190	40500	4360	21.2	19.1
06	06	09	12	12	Wall	Wall	Wall	Wall	Wall	5400	5400	8100	10800	10800	40500	4360	21.2	19.1
06	06	09	12	15	Wall	Wall	Wall	Wall	Wall	5060	5060	7590	10130	12660	40500	4360	21.2	19.1
06	06	09	12	18	Wall	Wall	Wall	Wall	Wall	4760	4760	7150	9530	14290	40500	4360	21.2	19.1

MXZ-5D42NL combination table (Cooling) Non-duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	09	15	15	Wall	Wall	Wall	Wall	Wall	4760	4760	7150	11910	11910	40500	4360	21.2	19.1
06	06	12	12	12	Wall	Wall	Wall	Wall	Wall	5060	5060	10130	10130	10130	40500	4360	21.2	19.1
06	06	12	12	15	Wall	Wall	Wall	Wall	Wall	4760	4760	9530	9530	11910	40500	4360	21.2	19.1
06	09	09	09	09	Wall	Wall	Wall	Wall	Wall	5790	8680	8680	8680	8680	40500	4355	21.1	19.1
06	09	09	09	12	Wall	Wall	Wall	Wall	Wall	5400	8100	8100	8100	10800	40500	4360	21.2	19.1
06	09	09	09	15	Wall	Wall	Wall	Wall	Wall	5060	7590	7590	7590	12660	40500	4360	21.2	19.1
06	09	09	09	18	Wall	Wall	Wall	Wall	Wall	4760	7150	7150	7150	14290	40500	4360	21.2	19.1
06	09	09	12	12	Wall	Wall	Wall	Wall	Wall	5060	7590	7590	10130	10130	40500	4360	21.2	19.1
06	09	09	12	15	Wall	Wall	Wall	Wall	Wall	4760	7150	7150	9530	11910	40500	4360	21.2	19.1
06	09	12	12	12	Wall	Wall	Wall	Wall	Wall	4760	7150	9530	9530	9530	40500	4360	21.2	19.1
09	09	09	09	09	Wall	Wall	Wall	Wall	Wall	8100	8100	8100	8100	8100	40500	4360	21.2	19.1
09	09	09	09	12	Wall	Wall	Wall	Wall	Wall	7590	7590	7590	7590	10130	40500	4360	21.2	19.1
09	09	09	09	15	Wall	Wall	Wall	Wall	Wall	7150	7150	7150	7150	11910	40500	4360	21.2	19.1
09	09	09	12	12	Wall	Wall	Wall	Wall	Wall	7150	7150	7150	9530	9530	40500	4360	21.2	19.1

MXZ-5D42NL combination table (Cooling) Duct

Indoor units combination					Indoor type					Cooling capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09					Duct					9000					9000	980	4.8	4.3
12					Duct					12000					12000	1150	5.6	5.1
15					Duct					15000					15000	1450	7.0	6.4
18					Duct					17200					17200	1850	9.0	8.1
24					Duct					24000					24000	2400	11.7	10.5
09	09				Duct	Duct				9000	9000				18000	1820	8.8	8.0
09	12				Duct	Duct				9000	12000				21000	2000	9.7	8.8
09	15				Duct	Duct				9000	15000				24000	2300	11.2	10.1
09	18				Duct	Duct				8730	17470				26200	2550	12.4	11.2
09	24				Duct	Duct				7640	20360				28000	2850	13.8	12.5
12	12				Duct	Duct				12000	12000				24000	2300	11.2	10.1
12	15				Duct	Duct				11640	14560				26200	2550	12.4	11.2
12	18				Duct	Duct				11200	16800				28000	2850	13.8	12.5
12	24				Duct	Duct				9330	18670				28000	2850	13.8	12.5
15	15				Duct	Duct				14000	14000				28000	2850	13.8	12.5
15	18				Duct	Duct				12730	15270				28000	2850	13.8	12.5
15	24				Duct	Duct				11150	17850				29000	2800	13.6	12.3
18	18				Duct	Duct				14000	14000				28000	2850	13.8	12.5
18	24				Duct	Duct				12430	16570				29000	2840	13.8	12.5
24	24				Duct	Duct				18200	18200				36400	4045	19.6	17.8
09	09	09			Duct	Duct	Duct			9000	9000	9000			27000	2950	14.3	13.0
09	09	12			Duct	Duct	Duct			9000	9000	12000			30000	3250	15.8	14.3
09	09	15			Duct	Duct	Duct			8730	8730	14550			32000	3480	16.9	15.3
09	09	18			Duct	Duct	Duct			8000	8000	16000			32000	3450	16.8	15.2
09	09	24			Duct	Duct	Duct			6860	6860	18290			32000	3480	16.9	15.3
09	12	12			Duct	Duct	Duct			8730	11640	11640			32000	3480	16.9	15.3
09	12	15			Duct	Duct	Duct			8000	10670	13330			32000	3450	16.8	15.2
09	12	18			Duct	Duct	Duct			7380	9850	14770			32000	3430	16.7	15.1
09	12	24			Duct	Duct	Duct			6400	8530	17070			32000	3510	17.0	15.4
09	15	15			Duct	Duct	Duct			7380	12310	12310			32000	3430	16.7	15.1
09	15	18			Duct	Duct	Duct			6860	11430	13710			32000	3480	16.9	15.3
09	15	24			Duct	Duct	Duct			6830	11380	18200			36400	3860	18.7	17.0
09	18	18			Duct	Duct	Duct			6400	12800	12800			32000	3510	17.0	15.4
09	18	24			Duct	Duct	Duct			6420	12850	17130			36400	3910	19.0	17.2
12	12	12			Duct	Duct	Duct			10670	10670	10670			32000	3450	16.8	15.2
12	12	15			Duct	Duct	Duct			9850	9850	12310			32000	3430	16.7	15.1
12	12	18			Duct	Duct	Duct			9140	9140	13710			32000	3480	16.9	15.3
12	12	24			Duct	Duct	Duct			9100	9100	18200			36400	3860	18.7	17.0
12	15	15			Duct	Duct	Duct			9140	11430	11430			32000	3480	16.9	15.3
12	15	18			Duct	Duct	Duct			8530	10670	12800			32000	3510	17.0	15.4
12	15	24			Duct	Duct	Duct			8560	10710	17130			36400	3910	19.0	17.2
12	18	18			Duct	Duct	Duct			9100	13650	13650			36400	3860	18.7	17.0
15	15	15			Duct	Duct	Duct			10670	10670	10670			32000	3510	17.0	15.4
15	15	18			Duct	Duct	Duct			11380	11380	13650			36400	3860	18.7	17.0
15	18	18			Duct	Duct	Duct			10710	12850	12850			36400	3910	19.0	17.2
09	09	09	09		Duct	Duct	Duct	Duct		8600	8600	8600	8600		34400	3370	16.4	14.8
09	09	09	12		Duct	Duct	Duct	Duct		8030	8030	8030	10710		34800	3460	16.8	15.2
09	09	09	15		Duct	Duct	Duct	Duct		7670	7670	7670	12790		35800	3590	17.4	15.8
09	09	09	18		Duct	Duct	Duct	Duct		7160	7160	7160	14320		35800	3640	17.7	16.0
09	09	09	24		Duct	Duct	Duct	Duct		6420	6420	6420	17130		36400	3680	17.9	16.2
09	09	12	12		Duct	Duct	Duct	Duct		7670	7670	10230	10230		35800	3590	17.4	15.8
09	09	12	15		Duct	Duct	Duct	Duct		7160	7160	9550	11930		35800	3640	17.7	16.0
09	09	12	18		Duct	Duct	Duct	Duct		6830	6830	9100	13650		36400	3490	16.9	15.3
09	09	15	15		Duct	Duct	Duct	Duct		6830	6830	11380	11380		36400	3490	16.9	15.3
09	09	15	18		Duct	Duct	Duct	Duct		6420	6420	10710	12850		36400	3680	17.9	16.2
09	12	12	12		Duct	Duct	Duct	Duct		7160	9550	9550	9550		35800	3640	17.7	16.0
09	12	12	15		Duct	Duct	Duct	Duct		6830	9100	9100	11380		36400	3490	16.9	15.3
09	12	12	18		Duct	Duct	Duct	Duct		6420	8560	8560	12850		36400	3680	17.9	16.2
09	12	15	15		Duct	Duct	Duct	Duct		6420	8560	10710	10710		36400	3680	17.9	16.2
12	12	12	12		Duct	Duct	Duct	Duct		9100	9100	9100	9100		36400	3490	16.9	15.3
12	12	12	15		Duct	Duct	Duct	Duct		8560	8560	8560	10710		36400	3680	17.9	16.2
09	09	09	09	09	Duct	Duct	Duct	Duct	Duct	7280	7280	7280	7280	7280	36400	3590	17.4	15.8
09	09	09	09	12	Duct	Duct	Duct	Duct	Duct	6830	6830	6830	6830	9100	36400	3540	17.2	15.5
09	09	09	09	15	Duct	Duct	Duct	Duct	Duct	6420	6420	6420	6420	10710	36400	3520	17.1	15.5
09	09	09	12	12	Duct	Duct	Duct	Duct	Duct	6420	6420	6420	8560	8560	36400	3520	17.1	15.5

MXZ-5D42NL combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06					Wall					7400					7400	860	4.2	3.8
09					Wall					11000					11000	950	4.6	4.2
12					Wall					14400					14400	1210	5.9	5.3
15					Wall					18000					18000	1600	7.8	7.0
18					Wall					21600					21600	2000	9.7	8.8
24					Wall					27600					27600	2680	13.0	11.8
06	06				Wall	Wall				7400	7400				14800	1030	5.0	4.5
06	09				Wall	Wall				7360	11040				18400	1310	6.4	5.8
06	12				Wall	Wall				7330	14670				22000	1620	7.9	7.1
06	15				Wall	Wall				7260	18140				25400	1900	9.2	8.3
06	18				Wall	Wall				7000	21000				28000	2260	11.0	9.9
06	24				Wall	Wall				5600	22400				28000	2260	11.0	9.9
09	09				Wall	Wall				11000	11000				22000	1620	7.9	7.1
09	12				Wall	Wall				10890	14510				25400	1900	9.2	8.3
09	15				Wall	Wall				10500	17500				28000	2260	11.0	9.9
09	18				Wall	Wall				9330	18670				28000	2260	11.0	9.9
09	24				Wall	Wall				7640	20360				28000	2260	11.0	9.9
12	12				Wall	Wall				14000	14000				28000	2260	11.0	9.9
12	15				Wall	Wall				12440	15560				28000	2260	11.0	9.9
12	18				Wall	Wall				11200	16800				28000	2260	11.0	9.9
12	24				Wall	Wall				9330	18670				28000	2260	11.0	9.9
15	15				Wall	Wall				14000	14000				28000	2260	11.0	9.9
15	18				Wall	Wall				12730	15270				28000	2260	11.0	9.9
15	24				Wall	Wall				11150	17850				29000	2360	11.5	10.4
18	18				Wall	Wall				14000	14000				28000	2260	11.0	9.9
18	24				Wall	Wall				12430	16570				29000	2360	11.5	10.4
24	24				Wall	Wall				15000	15000				30000	2390	11.6	10.5
06	06	06			Wall	Wall	Wall			7400	7400	7400			22200	1450	7.0	6.4
06	06	09			Wall	Wall	Wall			7370	7370	11060			25800	1730	8.4	7.6
06	06	12			Wall	Wall	Wall			7300	7300	14600			29200	2120	10.3	9.3
06	06	15			Wall	Wall	Wall			7290	7290	18220			32800	2470	12.0	10.8
06	06	18			Wall	Wall	Wall			6560	6560	19680			32800	2450	11.9	10.8
06	06	24			Wall	Wall	Wall			5470	5470	21870			32800	2410	11.7	10.6
06	09	09			Wall	Wall	Wall			7300	10950	10950			29200	2120	10.3	9.3
06	09	12			Wall	Wall	Wall			7290	10930	14580			32800	2470	12.0	10.8
06	09	15			Wall	Wall	Wall			6560	9840	16400			32800	2450	11.9	10.8
06	09	18			Wall	Wall	Wall			5960	8950	17890			32800	2430	11.8	10.7
06	09	24			Wall	Wall	Wall			5050	7570	20180			32800	2390	11.6	10.5
06	12	12			Wall	Wall	Wall			6560	13120	13120			32800	2450	11.9	10.8
06	12	15			Wall	Wall	Wall			5960	11930	14910			32800	2430	11.8	10.7
06	12	18			Wall	Wall	Wall			5470	10930	16400			32800	2410	11.7	10.6
06	12	24			Wall	Wall	Wall			4690	9370	18740			32800	2370	11.5	10.4
06	15	15			Wall	Wall	Wall			5470	13670	13670			32800	2410	11.7	10.6
06	15	18			Wall	Wall	Wall			5050	12620	15140			32800	2390	11.6	10.5
06	15	24			Wall	Wall	Wall			4370	10930	17490			32800	2350	11.4	10.3
06	18	18			Wall	Wall	Wall			4690	14060	14060			32800	2370	11.5	10.4
06	18	24			Wall	Wall	Wall			4100	12300	16400			32800	2330	11.3	10.2
09	09	09			Wall	Wall	Wall			10930	10930	10930			32800	2470	12.0	10.8
09	09	12			Wall	Wall	Wall			9840	9840	13120			32800	2450	11.9	10.8
09	09	15			Wall	Wall	Wall			8950	8950	14910			32800	2430	11.8	10.7
09	09	18			Wall	Wall	Wall			8200	8200	16400			32800	2410	11.7	10.6
09	09	24			Wall	Wall	Wall			7030	7030	18740			32800	2370	11.5	10.4
09	12	12			Wall	Wall	Wall			8950	11930	11930			32800	2430	11.8	10.7
09	12	15			Wall	Wall	Wall			8200	10930	13670			32800	2410	11.7	10.6
09	12	18			Wall	Wall	Wall			7570	10090	15140			32800	2390	11.6	10.5
09	12	24			Wall	Wall	Wall			6560	8750	17490			32800	2350	11.4	10.3
09	15	15			Wall	Wall	Wall			7570	12620	12620			32800	2390	11.6	10.5
09	15	18			Wall	Wall	Wall			7030	11710	14060			32800	2370	11.5	10.4
09	15	24			Wall	Wall	Wall			6150	10250	16400			32800	2330	11.3	10.2
09	18	18			Wall	Wall	Wall			6560	13120	13120			32800	2350	11.4	10.3
09	18	24			Wall	Wall	Wall			5790	11580	15440			32800	2310	11.2	10.1
12	12	12			Wall	Wall	Wall			10930	10930	10930			32800	2410	11.7	10.6
12	12	15			Wall	Wall	Wall			10090	10090	12620			32800	2390	11.6	10.5
12	12	18			Wall	Wall	Wall			9370	9370	14060			32800	2370	11.5	10.4
12	12	24			Wall	Wall	Wall			8200	8200	16400			32800	2330	11.3	10.2
12	15	15			Wall	Wall	Wall			9370	11710	11710			32800	2370	11.5	10.4
12	15	18			Wall	Wall	Wall			8750	10930	13120			32800	2350	11.4	10.3
12	15	24			Wall	Wall	Wall			7720	9650	15440			32800	2310	11.2	10.1
12	18	18			Wall	Wall	Wall			8200	12300	12300			32800	2330	11.3	10.2
15	15	15			Wall	Wall	Wall			10930	10930	10930			32800	2350	11.4	10.3
15	15	18			Wall	Wall	Wall			10250	10250	12300			32800	2330	11.3	10.2
15	18	18			Wall	Wall	Wall			9650	11580	11580			32800	2310	11.2	10.1
06	06	06	06		Wall	Wall	Wall	Wall		7400	7400	7400	7400		29600	2040	9.9	9.0

MXZ-5D42NL combination table (Heating) Non-duct

Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	06	09		Wall	Wall	Wall	Wall		7380	7380	7380	11070		33200	2490	12.1	10.9
06	06	06	12		Wall	Wall	Wall	Wall		7200	7200	7200	14400		36000	3200	15.5	14.1
06	06	06	15		Wall	Wall	Wall	Wall		6550	6550	6550	16360		36000	3200	15.5	14.1
06	06	06	18		Wall	Wall	Wall	Wall		6000	6000	6000	18000		36000	3200	15.5	14.1
06	06	06	24		Wall	Wall	Wall	Wall		5430	5430	5430	21710		38000	3520	17.1	15.5
06	06	09	09		Wall	Wall	Wall	Wall		7200	7200	10800	10800		36000	3200	15.5	14.1
06	06	09	12		Wall	Wall	Wall	Wall		6550	6550	9820	13090		36000	3200	15.5	14.1
06	06	09	15		Wall	Wall	Wall	Wall		6000	6000	9000	15000		36000	3200	15.5	14.1
06	06	09	18		Wall	Wall	Wall	Wall		5850	5850	8770	17540		38000	3560	17.3	15.6
06	06	09	24		Wall	Wall	Wall	Wall		5070	5070	7600	20270		38000	3530	17.1	15.5
06	06	12	12		Wall	Wall	Wall	Wall		6000	6000	12000	12000		36000	3200	15.5	14.1
06	06	12	15		Wall	Wall	Wall	Wall		5850	5850	11690	14620		38000	3560	17.3	15.6
06	06	12	18		Wall	Wall	Wall	Wall		5430	5430	10860	16290		38000	3520	17.1	15.5
06	06	12	24		Wall	Wall	Wall	Wall		4750	4750	9500	19000		38000	3520	17.1	15.5
06	06	15	15		Wall	Wall	Wall	Wall		5430	5430	13570	13570		38000	3520	17.1	15.5
06	06	15	18		Wall	Wall	Wall	Wall		5070	5070	12670	15200		38000	3530	17.1	15.5
06	06	15	24		Wall	Wall	Wall	Wall		4470	4470	11180	17880		38000	3500	17.0	15.4
06	06	18	18		Wall	Wall	Wall	Wall		4750	4750	14250	14250		38000	3520	17.1	15.5
06	09	09	09		Wall	Wall	Wall	Wall		6550	9820	9820	9820		36000	3200	15.5	14.1
06	09	09	12		Wall	Wall	Wall	Wall		6000	9000	9000	12000		36000	3200	15.5	14.1
06	09	09	15		Wall	Wall	Wall	Wall		5850	8770	8770	14620		38000	3560	17.3	15.6
06	09	09	18		Wall	Wall	Wall	Wall		5430	8140	8140	16290		38000	3520	17.1	15.5
06	09	09	24		Wall	Wall	Wall	Wall		4750	7130	7130	19000		38000	3520	17.1	15.5
06	09	12	12		Wall	Wall	Wall	Wall		5850	8770	11690	11690		38000	3560	17.3	15.6
06	09	12	15		Wall	Wall	Wall	Wall		5430	8140	10860	13570		38000	3520	17.1	15.5
06	09	12	18		Wall	Wall	Wall	Wall		5070	7600	10130	15200		38000	3530	17.1	15.5
06	09	12	24		Wall	Wall	Wall	Wall		4470	6710	8940	17880		38000	3500	17.0	15.4
06	09	15	15		Wall	Wall	Wall	Wall		5070	7600	12670	12670		38000	3530	17.1	15.5
06	09	15	18		Wall	Wall	Wall	Wall		4750	7130	11880	14250		38000	3520	17.1	15.5
06	09	18	18		Wall	Wall	Wall	Wall		4470	6710	13410	13410		38000	3500	17.0	15.4
06	12	12	12		Wall	Wall	Wall	Wall		5430	10860	10860	10860		38000	3520	17.1	15.5
06	12	12	15		Wall	Wall	Wall	Wall		5070	10130	10130	12670		38000	3530	17.1	15.5
06	12	12	18		Wall	Wall	Wall	Wall		4750	9500	9500	14250		38000	3520	17.1	15.5
06	12	15	15		Wall	Wall	Wall	Wall		4750	9500	11880	11880		38000	3520	17.1	15.5
06	12	15	18		Wall	Wall	Wall	Wall		4470	8940	11180	13410		38000	3500	17.0	15.4
06	15	15	15		Wall	Wall	Wall	Wall		4470	11180	11180	11180		38000	3500	17.0	15.4
09	09	09	09		Wall	Wall	Wall	Wall		9000	9000	9000	9000		36000	3200	15.5	14.1
09	09	09	12		Wall	Wall	Wall	Wall		8770	8770	8770	11690		38000	3560	17.3	15.6
09	09	09	15		Wall	Wall	Wall	Wall		8140	8140	8140	13570		38000	3520	17.1	15.5
09	09	09	18		Wall	Wall	Wall	Wall		7600	7600	7600	15200		38000	3530	17.1	15.5
09	09	09	24		Wall	Wall	Wall	Wall		6710	6710	6710	17880		38000	3500	17.0	15.4
09	09	12	12		Wall	Wall	Wall	Wall		8140	8140	10860	10860		38000	3520	17.1	15.5
09	09	12	15		Wall	Wall	Wall	Wall		7600	7600	10130	12670		38000	3530	17.1	15.5
09	09	12	18		Wall	Wall	Wall	Wall		7130	7130	9500	14250		38000	3520	17.1	15.5
09	09	15	15		Wall	Wall	Wall	Wall		7130	7130	11880	11880		38000	3520	17.1	15.5
09	09	15	18		Wall	Wall	Wall	Wall		6710	6710	11180	13410		38000	3500	17.0	15.4
09	12	12	12		Wall	Wall	Wall	Wall		7600	10130	10130	10130		38000	3530	17.1	15.5
09	12	12	15		Wall	Wall	Wall	Wall		7130	9500	9500	11880		38000	3520	17.1	15.5
09	12	12	18		Wall	Wall	Wall	Wall		6710	8940	8940	13410		38000	3500	17.0	15.4
09	12	15	15		Wall	Wall	Wall	Wall		6710	8940	11180	11180		38000	3500	17.0	15.4
12	12	12	12		Wall	Wall	Wall	Wall		9500	9500	9500	9500		38000	3520	17.1	15.5
12	12	12	15		Wall	Wall	Wall	Wall		8940	8940	8940	11180		38000	3500	17.0	15.4
06	06	06	06	06	Wall	Wall	Wall	Wall	Wall	7400	7400	7400	7400	7400	37000	3650	17.7	16.0
06	06	06	06	09	Wall	Wall	Wall	Wall	Wall	7380	7380	7380	7380	11070	40600	3980	19.3	17.5
06	06	06	06	12	Wall	Wall	Wall	Wall	Wall	7330	7330	7330	7330	14670	44000	4300	20.9	18.9
06	06	06	06	15	Wall	Wall	Wall	Wall	Wall	6860	6860	6860	6860	17150	44600	4360	21.2	19.1
06	06	06	06	18	Wall	Wall	Wall	Wall	Wall	6430	6430	6430	6430	19290	45000	4217	20.5	18.5
06	06	06	06	24	Wall	Wall	Wall	Wall	Wall	5630	5630	5630	5630	22500	45000	4410	21.4	19.4
06	06	06	09	09	Wall	Wall	Wall	Wall	Wall	7330	7330	7330	11000	11000	44000	4300	20.9	18.9
06	06	06	09	12	Wall	Wall	Wall	Wall	Wall	6860	6860	6860	10290	13720	44600	4360	21.2	19.1
06	06	06	09	15	Wall	Wall	Wall	Wall	Wall	6430	6430	6430	9640	16070	45000	4217	20.5	18.5
06	06	06	09	18	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	9000	18000	45000	4410	21.4	19.4
06	06	06	09	24	Wall	Wall	Wall	Wall	Wall	5290	5290	5290	7940	21180	45000	4410	21.4	19.4
06	06	06	12	12	Wall	Wall	Wall	Wall	Wall	6430	6430	6430	12860	12860	45000	4217	20.5	18.5
06	06	06	12	15	Wall	Wall	Wall	Wall	Wall	6000	6000	6000	12000	15000	45000	4410	21.4	19.4
06	06	06	12	18	Wall	Wall	Wall	Wall	Wall	5630	5630	5630	11250	16880	45000	4410	21.4	19.4
06	06	06	15	15	Wall	Wall	Wall	Wall	Wall	5630	5630	5630	14060	14060	45000	4410	21.4	19.4
06	06	06	15	18	Wall	Wall	Wall	Wall	Wall	5290	5290	5290	13240	15880	45000	4410	21.4	19.4
06	06	09	09	09	Wall	Wall	Wall	Wall	Wall	6860	6860	10290	10290	10290	44600	4360	21.2	19.1
06	06	09	09	12	Wall	Wall	Wall	Wall	Wall	6430	6430	9640	9640	12860	45000	4217	20.5	18.5
06	06	09	09	15	Wall	Wall	Wall	Wall	Wall	6000	6000	9000	9000	15000	45000	4410	21.4	19.4
06	06	09	09	18	Wall	Wall	Wall	Wall	Wall	5630	5630	8440	8440	16880	45000	4410	21.4	19.4
06	06	09	12	12	Wall	Wall	Wall	Wall	Wall	6000	6000	9000	12000	12000	45000	4410	21.4	19.4

MXZ-5D42NL combination table (Heating) Non-duct

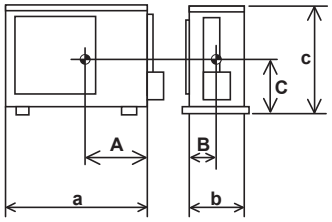
Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
06	06	09	12	15	Wall	Wall	Wall	Wall	Wall	5630	5630	8440	11250	14060	45000	4410	21.4	19.4
06	06	09	12	18	Wall	Wall	Wall	Wall	Wall	5290	5290	7940	10590	15880	45000	4410	21.4	19.4
06	06	09	15	15	Wall	Wall	Wall	Wall	Wall	5290	5290	7940	13240	13240	45000	4410	21.4	19.4
06	06	12	12	12	Wall	Wall	Wall	Wall	Wall	5630	5630	11250	11250	11250	45000	4410	21.4	19.4
06	06	12	12	15	Wall	Wall	Wall	Wall	Wall	5290	5290	10590	10590	13240	45000	4410	21.4	19.4
06	09	09	09	09	Wall	Wall	Wall	Wall	Wall	6430	9640	9640	9640	9640	45000	4217	20.5	18.5
06	09	09	09	12	Wall	Wall	Wall	Wall	Wall	6000	9000	9000	9000	12000	45000	4410	21.4	19.4
06	09	09	09	15	Wall	Wall	Wall	Wall	Wall	5630	8440	8440	8440	14060	45000	4410	21.4	19.4
06	09	09	09	18	Wall	Wall	Wall	Wall	Wall	5290	7940	7940	7940	15880	45000	4410	21.4	19.4
06	09	09	12	12	Wall	Wall	Wall	Wall	Wall	5630	8440	8440	11250	11250	45000	4410	21.4	19.4
06	09	09	12	15	Wall	Wall	Wall	Wall	Wall	5290	7940	7940	10590	13240	45000	4410	21.4	19.4
06	09	12	12	12	Wall	Wall	Wall	Wall	Wall	5290	7940	10590	10590	10590	45000	4410	21.4	19.4
09	09	09	09	09	Wall	Wall	Wall	Wall	Wall	9000	9000	9000	9000	9000	45000	4410	21.4	19.4
09	09	09	09	12	Wall	Wall	Wall	Wall	Wall	8440	8440	8440	8440	11250	45000	4410	21.4	19.4
09	09	09	09	15	Wall	Wall	Wall	Wall	Wall	7940	7940	7940	7940	13240	45000	4410	21.4	19.4
09	09	09	12	12	Wall	Wall	Wall	Wall	Wall	7940	7940	7940	10590	10590	45000	4410	21.4	19.4

MXZ-5D42NL combination table (Heating) Duct

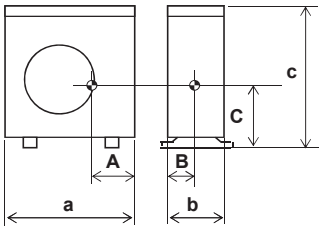
Indoor units combination					Indoor type					Heating capacity (BTU/h)						Power consumption (W)	Current (A)	
A	B	C	D	E	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Total		208V	230V
09					Duct					10900					10900	1000	4.9	4.4
12					Duct					13600					13600	1260	6.1	5.5
15					Duct					18000					18000	1650	8.0	7.2
18					Duct					21600					21600	2050	10.0	9.0
24					Duct					26000					26000	2710	13.2	11.9
09	09				Duct	Duct				10900	10900				21800	1820	8.8	8.0
09	12				Duct	Duct				10500	14000				24500	2000	9.7	8.8
09	15				Duct	Duct				10200	17000				27200	2400	11.7	10.5
09	18				Duct	Duct				9330	18670				28000	2830	13.7	12.4
09	24				Duct	Duct				7640	20360				28000	3040	14.8	13.4
12	12				Duct	Duct				13600	13600				27200	2400	11.7	10.5
12	15				Duct	Duct				12440	15560				28000	2830	13.7	12.4
12	18				Duct	Duct				11200	16800				28000	2990	14.5	13.1
12	24				Duct	Duct				9330	18670				28000	3260	15.8	14.3
15	15				Duct	Duct				14000	14000				28000	2990	14.5	13.1
15	18				Duct	Duct				12730	15270				28000	3040	14.8	13.4
15	24				Duct	Duct				11540	18460				30000	3140	15.2	13.8
18	18				Duct	Duct				14000	14000				28000	3260	15.8	14.3
18	24				Duct	Duct				13290	17710				31000	3660	17.8	16.1
24	24				Duct	Duct				20500	20500				41000	4518	21.9	19.8
09	09	09			Duct	Duct	Duct			10900	10900	10900			32700	3540	17.2	15.5
09	09	12			Duct	Duct	Duct			9810	9810	13080			32700	3530	17.1	15.5
09	09	15			Duct	Duct	Duct			8920	8920	14860			32700	3560	17.3	15.6
09	09	18			Duct	Duct	Duct			8180	8180	16350			32700	3530	17.1	15.5
09	09	24			Duct	Duct	Duct			7010	7010	18690			32700	3560	17.3	15.6
09	12	12			Duct	Duct	Duct			8920	11890	11890			32700	3560	17.3	15.6
09	12	15			Duct	Duct	Duct			8180	10900	13630			32700	3530	17.1	15.5
09	12	18			Duct	Duct	Duct			7550	10060	15090			32700	3500	17.0	15.4
09	12	24			Duct	Duct	Duct			6540	8720	17440			32700	3590	17.4	15.8
09	15	15			Duct	Duct	Duct			7550	12580	12580			32700	3500	17.0	15.4
09	15	18			Duct	Duct	Duct			7010	11680	14010			32700	3560	17.3	15.6
09	15	24			Duct	Duct	Duct			7690	12810	20500			41000	4330	21.0	19.0
09	18	18			Duct	Duct	Duct			6540	13080	13080			32700	3590	17.4	15.8
09	18	24			Duct	Duct	Duct			7240	14470	19290			41000	4380	21.3	19.2
12	12	12			Duct	Duct	Duct			10900	10900	10900			32700	3530	17.1	15.5
12	12	15			Duct	Duct	Duct			10060	10060	12580			32700	3500	17.0	15.4
12	12	18			Duct	Duct	Duct			9340	9340	14010			32700	3560	17.3	15.6
12	12	24			Duct	Duct	Duct			10250	10250	20500			41000	4330	21.0	19.0
12	15	15			Duct	Duct	Duct			9340	11680	11680			32700	3560	17.3	15.6
12	15	18			Duct	Duct	Duct			8720	10900	13080			32700	3590	17.4	15.8
12	15	24			Duct	Duct	Duct			9650	12060	19290			41000	4380	21.3	19.2
12	18	18			Duct	Duct	Duct			10250	15380	15380			41000	4330	21.0	19.0
15	15	15			Duct	Duct	Duct			10900	10900	10900			32700	3590	17.4	15.8
15	15	18			Duct	Duct	Duct			12810	12810	15380			41000	4330	21.0	19.0
15	18	18			Duct	Duct	Duct			12060	14470	14470			41000	4380	21.3	19.2
09	09	09	09		Duct	Duct	Duct	Duct		8600	8600	8600	8600		34400	3370	16.4	14.8
09	09	09	12		Duct	Duct	Duct	Duct		8030	8030	8030	10710		34800	3470	16.9	15.2
09	09	09	15		Duct	Duct	Duct	Duct		7670	7670	7670	12790		35800	3600	17.5	15.8
09	09	09	18		Duct	Duct	Duct	Duct		7160	7160	7160	14320		35800	3640	17.7	16.0
09	09	09	24		Duct	Duct	Duct	Duct		7240	7240	7240	19290		41000	4120	20.0	18.1
09	09	12	12		Duct	Duct	Duct	Duct		7670	7670	10230	10230		35800	3600	17.5	15.8
09	09	12	15		Duct	Duct	Duct	Duct		7160	7160	9550	11930		35800	3640	17.7	16.0
09	09	12	18		Duct	Duct	Duct	Duct		7690	7690	10250	15380		41000	3930	19.1	17.3
09	09	15	15		Duct	Duct	Duct	Duct		7690	7690	12810	12810		41000	3930	19.1	17.3
09	09	15	18		Duct	Duct	Duct	Duct		7240	7240	12060	14470		41000	4120	20.0	18.1
09	12	12	12		Duct	Duct	Duct	Duct		7160	9550	9550	9550		35800	3640	17.7	16.0
09	12	12	15		Duct	Duct	Duct	Duct		7690	10250	10250	12810		41000	3930	19.1	17.3
09	12	12	18		Duct	Duct	Duct	Duct		7240	9650	9650	14470		41000	4120	20.0	18.1
09	12	15	15		Duct	Duct	Duct	Duct		7240	9650	12060	12060		41000	4120	20.0	18.1
12	12	12	12		Duct	Duct	Duct	Duct		10250	10250	10250	10250		41000	3930	19.1	17.3
12	12	12	15		Duct	Duct	Duct	Duct		9650	9650	9650	12060		41000	4120	20.0	18.1
09	09	09	09	09	Duct	Duct	Duct	Duct	Duct	8200	8200	8200	8200	8200	41000	4020	19.5	17.7
09	09	09	09	12	Duct	Duct	Duct	Duct	Duct	7690	7690	7690	7690	10250	41000	3970	19.3	17.4
09	09	09	09	15	Duct	Duct	Duct	Duct	Duct	7240	7240	7240	7240	12060	41000	3950	19.2	17.3
09	09	09	12	12	Duct	Duct	Duct	Duct	Duct	7240	7240	7240	9650	9650	41000	3950	19.2	17.3

15 POSITION OF THE CENTER OF GRAVITY

MXZ-2D20NL



MXZ-3D24NL
MXZ-4D30NL
MXZ-5D36NL
MXZ-5D42NL
MXZ-2D20NLHZ
MXZ-3D24NLHZ
MXZ-3D30NLHZ

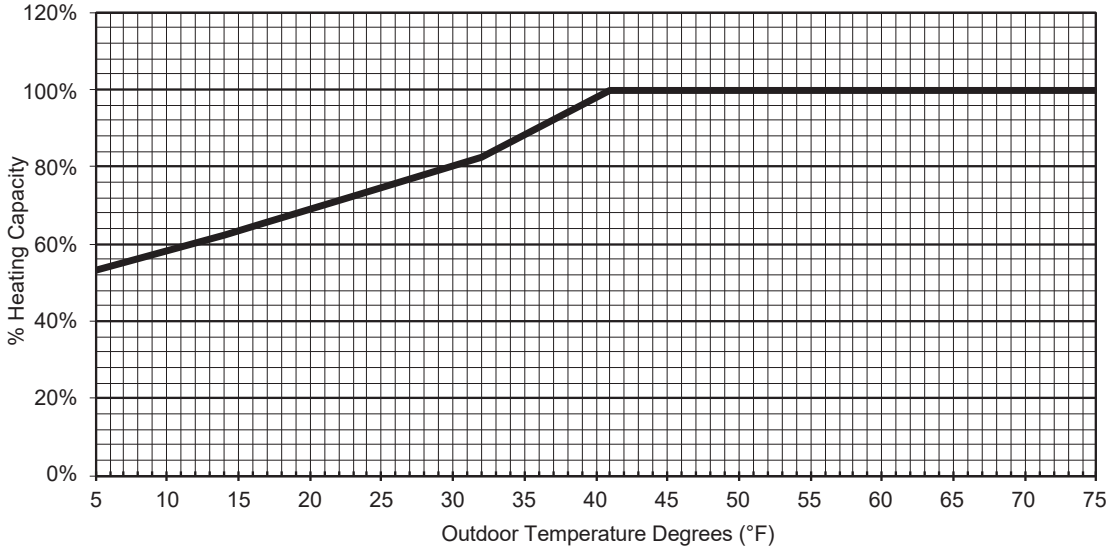


Unit: inch (mm)

Model name	A	B	C	a	b	c
MXZ-2D20NL	11-1/32 (280)	6-3/32 (155)	13 (330)	33-1/16 (840)	13 (330)	27-15/16 (710)
MXZ-3D24NL MXZ-4D30NL MXZ-2D20NLHZ	13-25/32 (350)	6-11/16 (170)	14-31/32 (380)	37-13/32 (950)	13 (330)	31-11/32 (796)
MXZ-5D36NL MXZ-5D42NL MXZ-3D24NLHZ MXZ-3D30NLHZ	14-9/16 (370)	6-11/16 (170)	17-5/16 (440)	37-13/32 (950)	13 (330)	31-11/32 (796)

16 MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

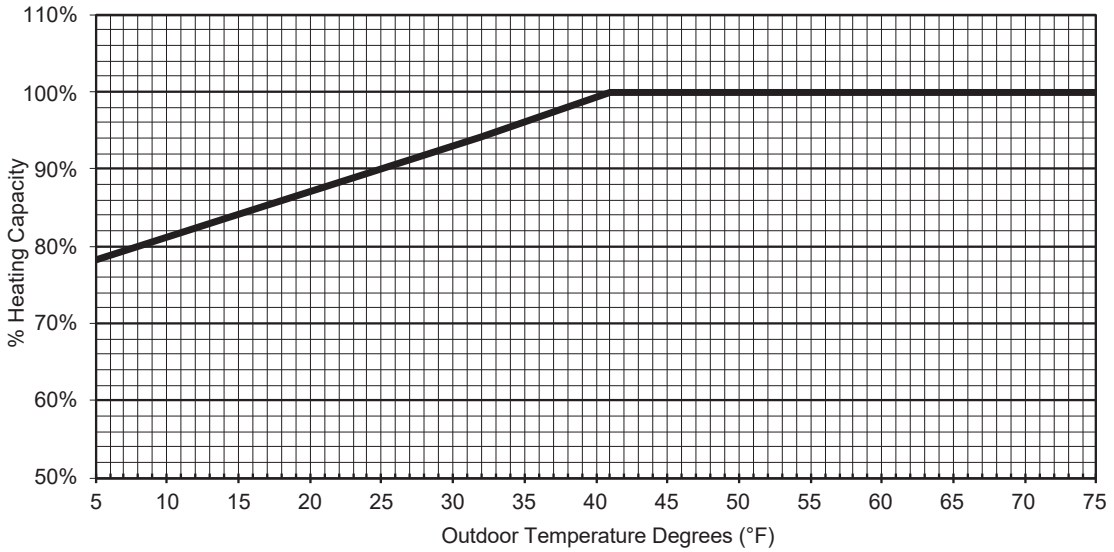
MXZ-2D20NL- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	41.9	50.0	75.0
% Heating Capacity	53%	62%	73%	83%	100%	100%	100%	100%

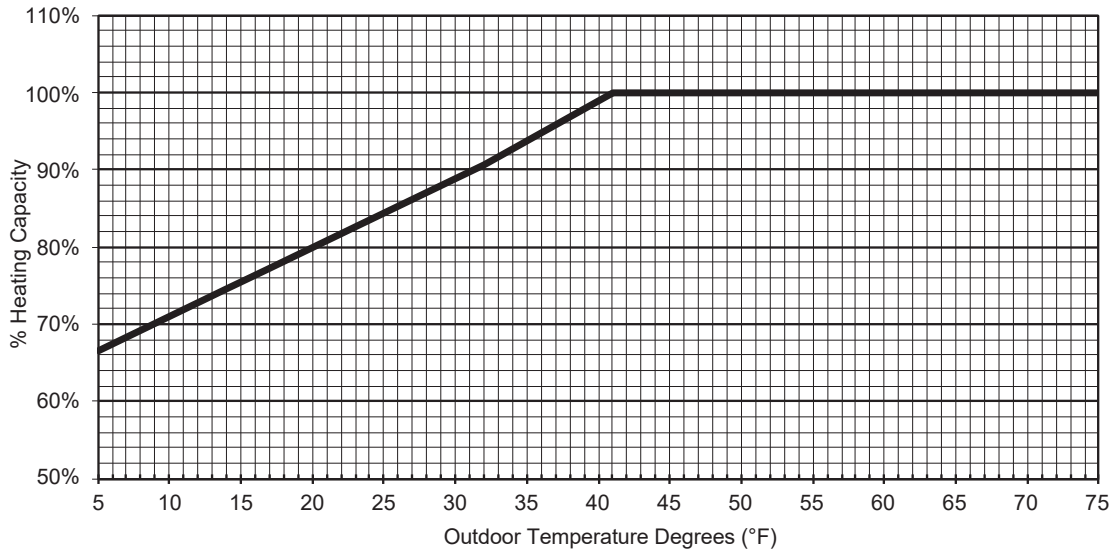
MXZ-3D24NL- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	78%	84%	89%	94%	100%	100%	100%

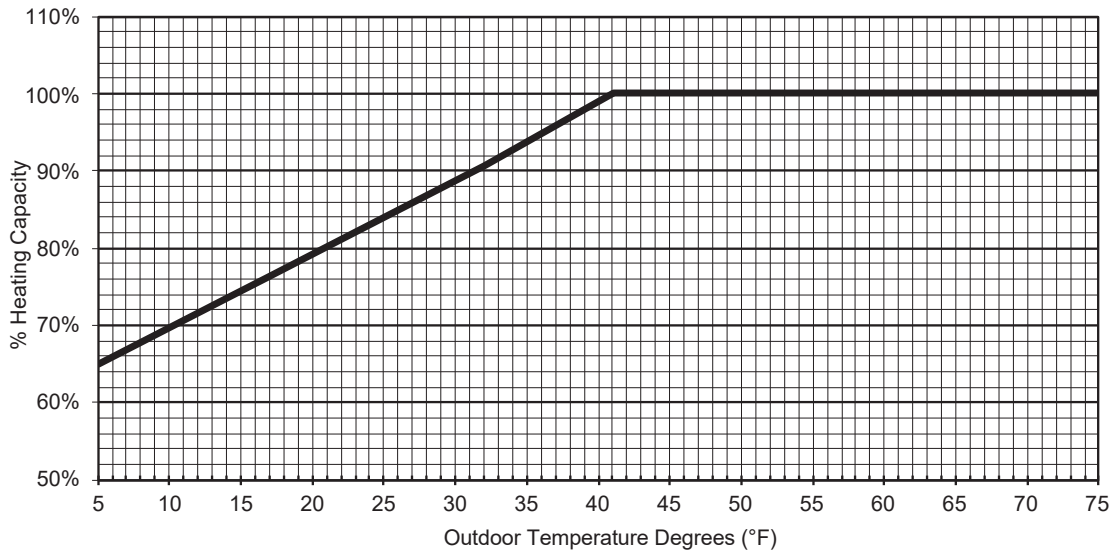
MXZ-4D30NL- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	67%	75%	83%	91%	100%	100%	100%

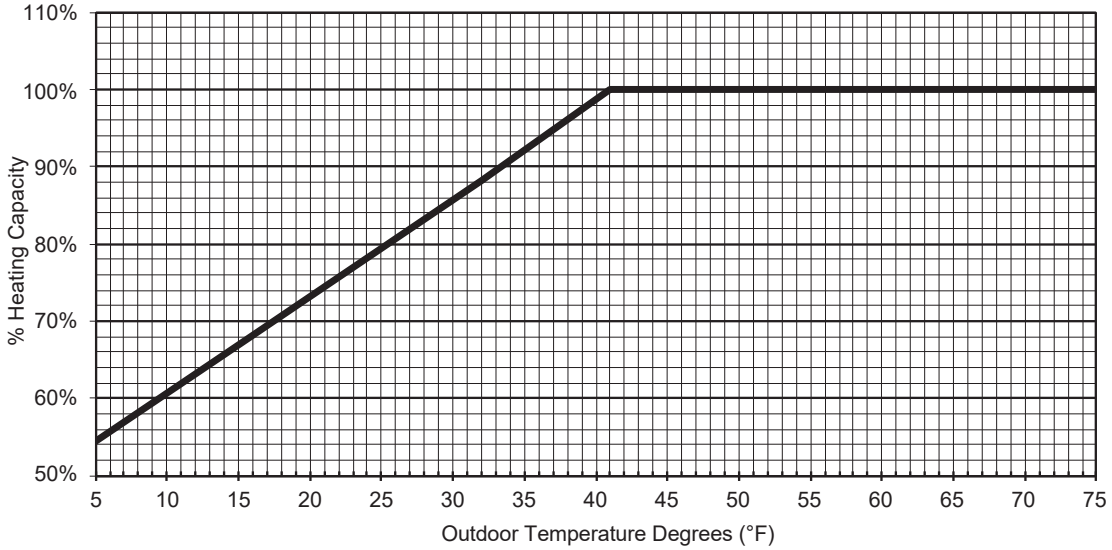
MXZ-5D36NL- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	65%	74%	82%	91%	100%	100%	100%

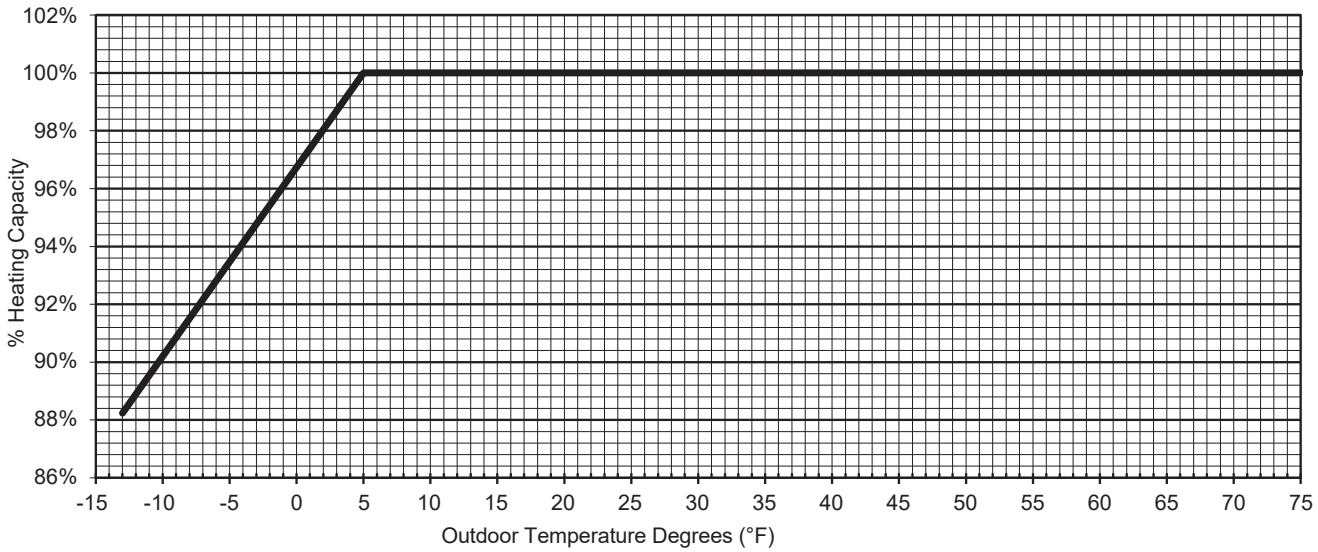
MXZ-5D42NL- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	54%	66%	77%	88%	100%	100%	100%

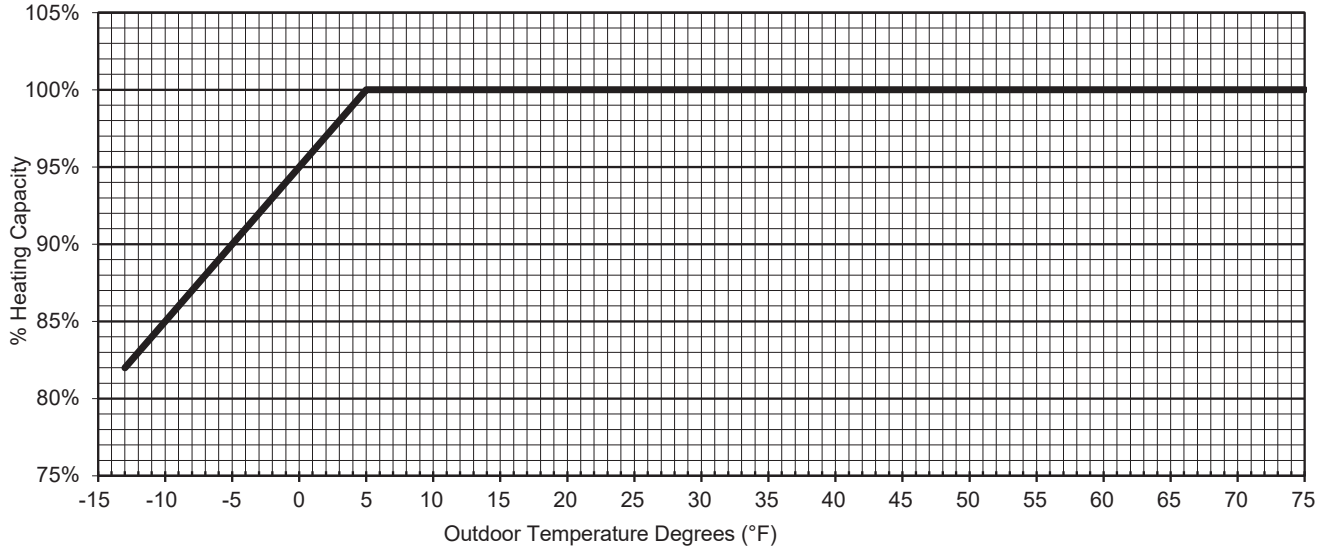
MXZ-2D20NLHZ- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	88%	94%	100%	100%	100%	100%	100%	100%	100%

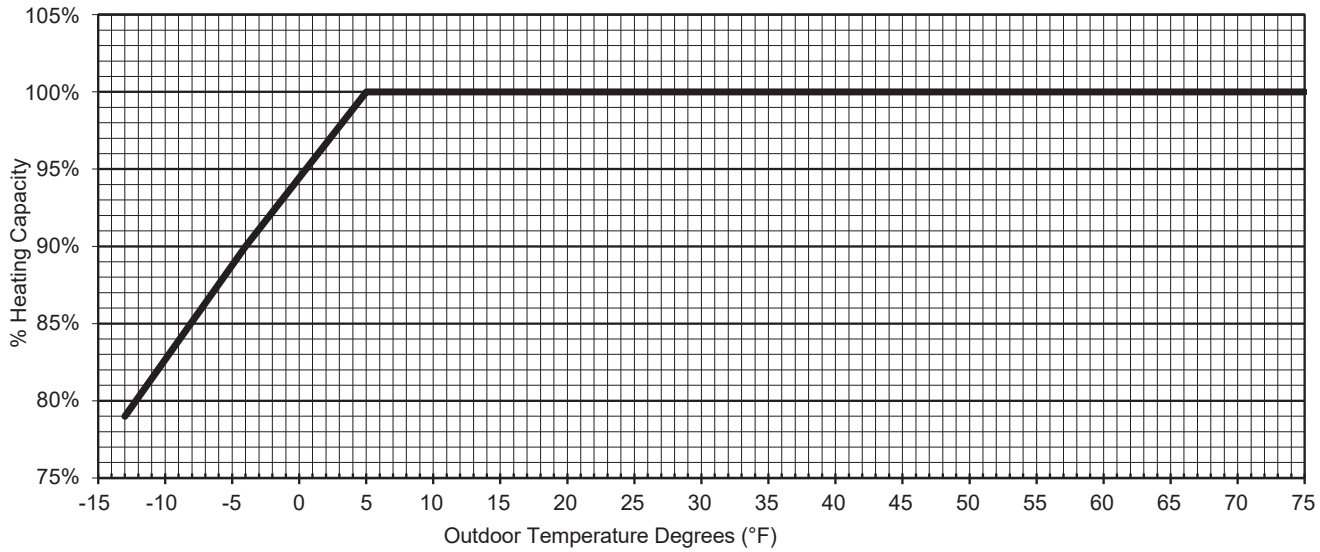
MXZ-3D24NLHZ- U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	82%	91%	100%	100%	100%	100%	100%	100%	100%

MXZ-3D30NLHZ- U1



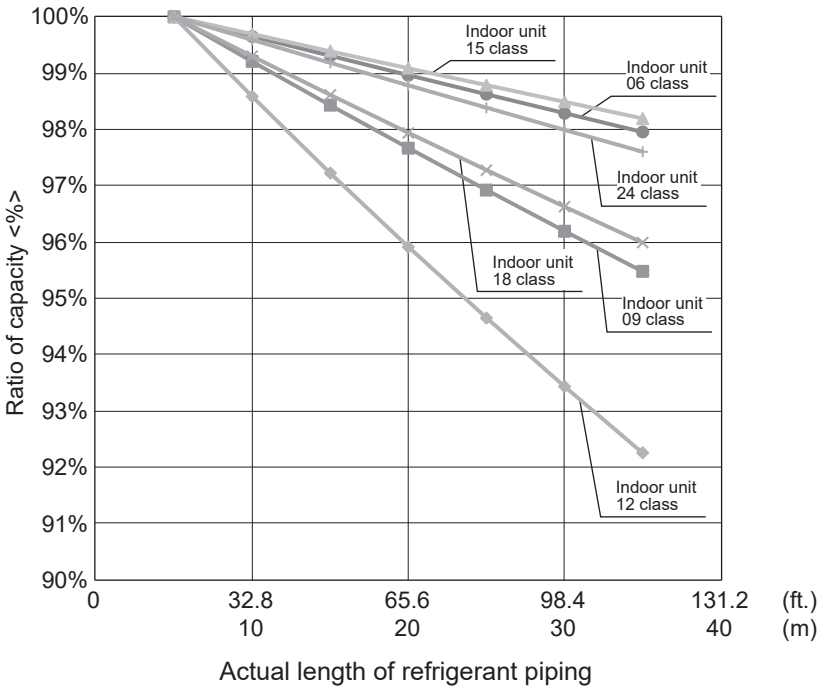
HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	79%	90%	100%	100%	100%	100%	100%	100%	100%

17 CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

MXZ-2D20NL-U1 **MXZ-2D20NLHZ-U1**
MXZ-3D24NL-U1 **MXZ-3D24NLHZ-U1**
MXZ-4D30NL-U1 **MXZ-3D30NLHZ-U1**
MXZ-5D36NL-U1
MXZ-5D42NL-U1

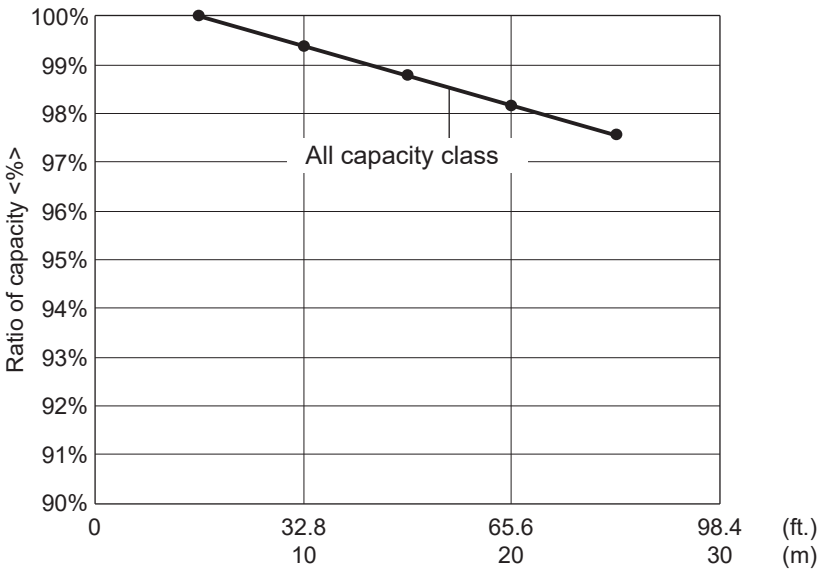
Correction ratio of capacity according to the length of piping (cooling)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

Length of refrigerant piping (ft.) + (Number of bends × 0.984 ft.) = Actual length of refrigerant piping (ft.)
[Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

Correction ratio of capacity according to the length of piping (heating)



18 PART LOAD CAPACITY CHART

MXZ-2D20NL - U1

1) COOLING

Rated Q(Btu/h): 18000 W: 1384 **Max.** Q(Btu/h): 20000

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	17275	14400	10800	7200	-	5112	17059	14220	10665	7110	-	5048	16627	13860	10395	6930	-	4921	15332	12780	9585	6390	-	4537
		W	2270	1315	832	563	-	603	2437	1412	894	604	-	648	2509	1453	920	622	-	667	2342	1356	859	581	-	622
110	43.3	Q[Btu/h]	19797	18360	13770	9180	-	5719	18028	16720	12540	8360	-	5208	17468	16200	12150	8100	-	5046	13780	12780	9585	6390	-	3981
		W	2349	1661	1051	711	-	641	2271	1605	1016	687	-	619	2169	1533	971	656	-	591	1758	1243	787	532	-	479
106	41.1	Q[Btu/h]	20887	18720	14040	9360	-	5858	19012	17040	12780	8520	-	5332	18075	16200	12150	8100	-	5069	14259	12780	9585	6390	-	3999
		W	2179	1605	1016	687	-	618	2104	1550	981	663	-	597	1965	1448	916	620	-	557	1585	1168	739	500	-	450
102	38.9	Q[Btu/h]	21820	19080	14310	9540	-	5995	19853	17360	13020	8680	-	5455	18526	16200	12150	8100	-	5090	14615	12780	9585	6390	-	4015
		W	2009	1550	981	663	-	596	1937	1495	946	640	-	575	1765	1362	862	583	-	524	1415	1092	691	467	-	420
98	36.7	Q[Btu/h]	22297	19440	14580	9720	-	6130	20278	17680	13260	8840	-	5575	18581	16200	12150	8100	-	5109	14658	12780	9585	6390	-	4030
		W	2012	1495	946	640	-	574	1937	1439	911	616	-	553	1717	1276	808	546	-	490	1368	1017	644	435	-	390
94	34.4	Q[Btu/h]	22000	19800	14850	9900	-	6270	20000	18000	13500	9000	-	5700	18000	16200	12150	8100	-	5130	14200	12780	9585	6390	-	4047
		W	2335	1439	911	616	-	551	2245	1384	876	592	-	530	1931	1190	753	509	-	456	1527	941	596	403	-	360
90	32.2	Q[Btu/h]	22000	20093	15070	10047	-	6362	20000	18267	13700	9133	-	5783	18000	16440	12330	8220	-	5205	14200	12969	9727	6485	-	4106
		W	2175	1341	849	574	-	541	2091	1289	816	552	-	520	1799	1109	702	475	-	447	1422	877	555	375	-	354
86	30	Q[Btu/h]	22000	20387	15290	10193	-	6453	20000	18533	13900	9267	-	5867	18000	16680	12510	8340	-	5280	14200	13159	9869	6579	-	4165
		W	2015	1242	786	532	-	530	1938	1195	756	511	-	510	1666	1027	650	440	-	439	1318	812	514	348	-	347
82	27.8	Q[Btu/h]	22000	20680	15510	10340	-	6545	20000	18800	14100	9400	-	5950	18000	16920	12690	8460	-	5355	14200	13348	10011	6674	-	4225
		W	1855	1144	724	490	-	520	1784	1100	696	471	-	500	1534	946	599	405	-	430	1213	748	473	320	-	340
78	25.6	Q[Btu/h]	22000	20680	15510	10340	-	6387	20000	18800	14100	9400	-	5806	18000	16920	12690	8460	-	5226	14200	13348	10011	6674	-	4122
		W	1855	1144	724	490	-	526	1784	1100	696	471	-	506	1534	946	599	405	-	435	1213	748	473	320	-	344
74	23.3	Q[Btu/h]	22000	20680	15510	10340	-	6509	20000	18800	14100	9400	-	5917	18000	16920	12690	8460	-	5325	14200	13348	10011	6674	-	4201
		W	1855	1144	724	490	-	501	1784	1100	696	471	-	481	1534	946	599	405	-	414	1213	748	473	320	-	327
70	21.1	Q[Btu/h]	22000	20680	15510	10340	-	6624	20000	18800	14100	9400	-	6022	18000	16920	12690	8460	-	5420	14200	13348	10011	6674	-	4275
		W	1855	1144	724	490	-	476	1784	1100	696	471	-	458	1534	946	599	405	-	394	1213	748	473	320	-	311
66	18.9	Q[Btu/h]	22000	20680	15510	10340	-	6738	20000	18800	14100	9400	-	6125	18000	16920	12690	8460	-	5513	14200	13348	10011	6674	-	4349
		W	1855	1144	724	490	-	452	1784	1100	696	471	-	434	1534	946	599	405	-	374	1213	748	473	320	-	295
62	16.7	Q[Btu/h]	22000	20680	15510	10340	-	6851	20000	18800	14100	9400	-	6228	18000	16920	12690	8460	-	5605	14200	13348	10011	6674	-	4422
		W	1855	1144	724	490	-	428	1784	1100	696	471	-	411	1534	946	599	405	-	354	1213	748	473	320	-	280
58	14.4	Q[Btu/h]	22000	20680	15510	10340	-	6967	20000	18800	14100	9400	-	6334	18000	16920	12690	8460	-	5700	14200	13348	10011	6674	-	4497
		W	1855	1144	724	490	-	428	1784	1100	696	471	-	411	1534	946	599	405	-	354	1213	748	473	320	-	280
54	12.2	Q[Btu/h]	22000	20680	15510	10340	-	7006	20000	18800	14100	9400	-	6369	18000	16920	12690	8460	-	5732	14200	13348	10011	6674	-	4522
		W	1855	1144	724	490	-	379	1784	1100	696	471	-	364	1534	946	599	405	-	313	1213	748	473	320	-	248
50	10	Q[Btu/h]	22000	20680	15510	10340	-	7186	20000	18800	14100	9400	-	6532	18000	16920	12690	8460	-	5879	14200	13348	10011	6674	-	4638
		W	1855	1144	724	490	-	355	1784	1100	696	471	-	341	1534	946	599	405	-	293	1213	748	473	320	-	232
46	7.8	Q[Btu/h]	22000	20680	15510	10340	-	7293	20000	18800	14100	9400	-	6630	18000	16920	12690	8460	-	5967	14200	13348	10011	6674	-	4707
		W	1855	1144	724	490	-	332	1784	1100	696	471	-	319	1534	946	599	405	-	275	1213	748	473	320	-	217
42	5.6	Q[Btu/h]	22000	20680	15510	10340	-	7399	20000	18800	14100	9400	-	6726	18000	16920	12690	8460	-	6054	14200	13348	10011	6674	-	4776
		W	1855	1144	724	490	-	309	1784	1100	696	471	-	297	1534	946	599	405	-	255	1213	748	473	320	-	202
38	3.3	Q[Btu/h]	22000	20680	15510	10340	-	7509	20000	18800	14100	9400	-	6826	18000	16920	12690	8460	-	6144	14200	13348	10011	6674	-	4847
		W	1855	1144	724	490	-	284	1784	1100	696	471	-	273	1534	946	599	405	-	235	1213	748	473	320	-	186
34	1.1	Q[Btu/h]	22000	20680	15510	10340	-	7185	20000	18800	14100	9400	-	6532	18000	16920	12690	8460	-	5879	14200	13348	10011	6674	-	4638
		W	1855	1144	724	490	-	294	1784	1100	696	471	-	282	1534	946	599	405	-	243	1213	748	473	320	-	192
30	-1.1	Q[Btu/h]	22000	20680	15510	10340	-	7293	20000	18800	14100	9400	-	6630	18000	16920	12690	8460	-	5967	14200	13348	10011	6674	-	4707
		W	1855	1144	724	490	-	270	1784	1100	696	471	-	260	1534	946	599	405	-	223	1213	748	473	320	-	177
26	-3.3	Q[Btu/h]	22000	20680	15510	10340	-	7405	20000	18800	14100	9400	-	6732	18000	16920	12690	8460	-	6059	14200	13348	10011	6674	-	4780
		W	1855	1144	724	490	-	246	1784	1100	696	471	-	236	1534	946	599	405	-	203	1213	748	473	320	-	161
22	-5.6	Q[Btu/h]	22000	20680	15510	10340	-	7517	20000	18800	14100	9400	-	6833	18000	16920	12690	8460	-	6150	14200	13348	10011	6674	-	4852
		W	1855	1144	724	490	-	221	1784	1100	696	471	-	213	1534	946	599	405	-	183	1213	748	473	320	-	145
18	-7.8	Q[Btu/h]	22000	20680	15510	10340	-	7622	20000	18800	14100	9400	-	6929	18000	16920	12690	8460	-	6236	14200	13348	10011	6674	-	4920
		W	1855	1144	724	490	-	198	1784	1100	696	471	-	190	1534	946	599	405	-	164	1213	748	473	320	-	129
14	-10	Q[Btu/h]	22000	20680	15510	10340	-	7726	20000	18800	14100	9400	-	7024	18000	16920	12690	8460	-	6321	14200	13348	10011	6674	-	4987
		W	1855	1144	724	490	-	175	1784	1100	696	471	-	168	1534	946	599	405	-	145	1213	748	473	320	-	114

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-2D20NL-U1
2) HEATING

Rated Q(Btu/h): 22000 W: 1641 **Max.** Q(Btu/h): 25700

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(°C)																			
65	18.3	Q[Btu/h]	22954	20257	15193	10128	-	7066	24779	21212	15909	10606	-	7399	25700	22000	16500	11000	-	7674
		W	3388	2325	1960	1242	-	892	3301	2197	1852	1173	-	843	3205	2133	1798	1139	-	819
60	15.6	Q[Btu/h]	23664	20257	15193	10128	-	7066	24779	21212	15909	10606	-	7399	25700	22000	16500	11000	-	7674
		W	3332	2218	1870	1184	-	851	3148	2096	1767	1119	-	804	3057	2035	1715	1087	-	781
55	12.8	Q[Btu/h]	23664	20257	15193	10128	-	7066	24779	21212	15909	10606	-	7399	25700	22000	16500	11000	-	7674
		W	3189	2123	1789	1134	-	815	3013	2006	1691	1071	-	770	2925	1947	1642	1040	-	747
50	10.0	Q[Btu/h]	23664	20257	15193	10128	-	7066	24779	21212	15909	10606	-	7399	25700	22000	16500	11000	-	7674
		W	2928	1950	1643	1041	-	748	2767	1842	1553	984	-	707	2687	1789	1508	955	-	686
45	7.2	Q[Btu/h]	23664	20257	15193	10128	-	7066	24779	21212	15909	10606	-	7399	25700	22000	16500	11000	-	7674
		W	2687	1789	1508	955	-	686	2539	1690	1425	903	-	649	2465	1641	1383	876	-	630
40	4.4	Q[Btu/h]	22946	18128	13596	9064	-	6324	24127	19061	14296	9530	-	6649	24165	19091	14318	9546	-	6660
		W	2576	1699	1432	907	-	652	2457	1621	1367	866	-	622	2363	1559	1314	832	-	598
35	1.7	Q[Btu/h]	20608	16698	12524	8349	-	5825	21773	17642	13231	8821	-	6154	22685	18381	13786	9191	-	6412
		W	2491	1625	1370	868	-	623	2378	1551	1307	828	-	595	2265	1477	1245	789	-	567
30	-1.1	Q[Btu/h]	19050	16116	12087	8058	-	7121	20241	17124	12843	8562	-	7566	21150	17893	13420	8946	-	7906
		W	2379	1534	1293	819	-	746	2292	1479	1246	790	-	719	2163	1395	1176	745	-	678
25	-3.9	Q[Btu/h]	17488	14607	10955	7303	-	6454	18709	15626	11720	7813	-	6905	19615	16383	12287	8192	-	7239
		W	2328	1465	1235	782	-	712	2205	1387	1169	741	-	674	2060	1296	1093	692	-	630
20	-6.7	Q[Btu/h]	15921	13097	9823	6549	-	5787	17174	14128	10596	7064	-	6243	18080	14874	11155	7437	-	6572
		W	2213	1335	1126	713	-	649	2095	1264	1066	675	-	614	1958	1182	996	631	-	574
15	-9.4	Q[Btu/h]	14393	11588	8691	5794	-	5120	15689	12631	9473	6315	-	5581	16600	13364	10023	6682	-	5905
		W	2102	1205	1016	644	-	586	1990	1141	962	609	-	555	1860	1067	899	570	-	518
10	-12.2	Q[Btu/h]	12880	10078	7559	-	-	5391	14227	11133	8350	-	-	5955	15150	11855	8891	-	-	6341
		W	2123	1066	899	-	-	627	1995	1002	844	-	-	589	1830	919	775	-	-	541
5	-15.0	Q[Btu/h]	11347	8569	6427	-	-	4583	12759	9635	7226	-	-	5154	13700	10346	7759	-	-	5534
		W	2160	965	813	-	-	568	1998	893	752	-	-	525	1800	804	678	-	-	473

MXZ-3D24NL - U1

1) COOLING

Rated Q(Btu/h): 22000 W: 1605 **Max.** Q(Btu/h): 22000

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	17380	17380	13035	-	-	10682	16940	16940	12705	-	-	10412	16720	16720	12540	-	-	10277	15620	15620	11715	-	-	9601
		W	1477	1477	935	-	-	809	1589	1589	1006	-	-	870	1637	1637	1036	-	-	897	1541	1541	975	-	-	844
110	43.3	Q[Btu/h]	22440	22440	16830	-	-	11859	20240	20240	15180	-	-	10696	19800	19800	14850	-	-	10464	15620	15620	11715	-	-	8255
		W	1568	1846	1168	-	-	847	1527	1798	1138	-	-	825	1473	1733	1097	-	-	795	1197	1409	892	-	-	647
106	41.1	Q[Btu/h]	22880	22880	17160	-	-	12081	20680	20680	15510	-	-	10920	19800	19800	14850	-	-	10455	15620	15620	11715	-	-	8248
		W	1506	1798	1138	-	-	811	1466	1749	1107	-	-	789	1371	1637	1036	-	-	738	1107	1322	837	-	-	596
102	38.9	Q[Btu/h]	23320	23320	17490	-	-	12304	21120	21120	15840	-	-	11143	19800	19800	14850	-	-	10447	15620	15620	11715	-	-	8241
		W	1444	1749	1107	-	-	775	1404	1701	1077	-	-	753	1271	1541	975	-	-	682	1019	1234	781	-	-	547
98	36.7	Q[Btu/h]	23760	23760	17820	-	-	12526	21560	21560	16170	-	-	11366	19800	19800	14850	-	-	10439	15620	15620	11715	-	-	8235
		W	1445	1701	1077	-	-	738	1404	1653	1046	-	-	717	1227	1445	914	-	-	627	974	1147	726	-	-	498
94	34.4	Q[Btu/h]	24200	24200	18150	-	-	12760	22000	22000	16500	-	-	11600	19800	19800	14850	-	-	10440	15620	15620	11715	-	-	8236
		W	4161	1653	1046	-	-	700	4040	1605	1016	-	-	680	3394	1348	853	-	-	571	2666	1059	671	-	-	449
90	32.2	Q[Btu/h]	27720	25080	18810	-	-	13165	25200	22800	17100	-	-	11968	22680	20520	15390	-	-	10771	17892	16188	12141	-	-	8497
		W	3622	1589	1006	-	-	688	3517	1543	977	-	-	668	2954	1296	820	-	-	561	2321	1018	644	-	-	441
86	30	Q[Btu/h]	31240	25960	19470	-	-	13570	28400	23600	17700	-	-	12337	25560	21240	15930	-	-	11103	20164	16756	12567	-	-	8759
		W	3083	1525	965	-	-	675	2993	1480	937	-	-	655	2514	1243	787	-	-	550	1976	977	618	-	-	432
82	27.8	Q[Btu/h]	34760	26840	20130	-	-	13975	31600	24400	18300	-	-	12705	28440	21960	16470	-	-	11434	22436	17324	12993	-	-	9020
		W	2544	1461	925	-	-	662	2470	1418	898	-	-	643	2075	1191	754	-	-	540	1630	936	592	-	-	424
78	25.6	Q[Btu/h]	34760	26840	20130	-	-	14230	31600	24400	18300	-	-	12936	28440	21960	16470	-	-	11642	22436	17324	12993	-	-	9185
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
74	23.3	Q[Btu/h]	34760	26840	20130	-	-	14496	31600	24400	18300	-	-	13178	28440	21960	16470	-	-	11860	22436	17324	12993	-	-	9356
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
70	21.1	Q[Btu/h]	34760	26840	20130	-	-	14750	31600	24400	18300	-	-	13409	28440	21960	16470	-	-	12068	22436	17324	12993	-	-	9521
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
66	18.9	Q[Btu/h]	34760	26840	20130	-	-	15005	31600	24400	18300	-	-	13641	28440	21960	16470	-	-	12277	22436	17324	12993	-	-	9685
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
62	16.7	Q[Btu/h]	34760	26840	20130	-	-	15259	31600	24400	18300	-	-	13872	28440	21960	16470	-	-	12485	22436	17324	12993	-	-	9849
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
58	14.4	Q[Btu/h]	34760	26840	20130	-	-	15525	31600	24400	18300	-	-	14114	28440	21960	16470	-	-	12702	22436	17324	12993	-	-	10021
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
54	12.2	Q[Btu/h]	34760	26840	20130	-	-	15780	31600	24400	18300	-	-	14345	28440	21960	16470	-	-	12911	22436	17324	12993	-	-	10185
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
50	10	Q[Btu/h]	34760	26840	20130	-	-	16034	31600	24400	18300	-	-	14576	28440	21960	16470	-	-	13119	22436	17324	12993	-	-	10349
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
46	7.8	Q[Btu/h]	34760	26840	20130	-	-	16289	31600	24400	18300	-	-	14808	28440	21960	16470	-	-	13327	22436	17324	12993	-	-	10513
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
42	5.6	Q[Btu/h]	34760	26840	20130	-	-	16543	31600	24400	18300	-	-	15039	28440	21960	16470	-	-	13535	22436	17324	12993	-	-	10678
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
38	3.3	Q[Btu/h]	34760	26840	20130	-	-	16809	31600	24400	18300	-	-	15281	28440	21960	16470	-	-	13753	22436	17324	12993	-	-	10849
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
34	1.1	Q[Btu/h]	34760	26840	20130	-	-	17063	31600	24400	18300	-	-	15512	28440	21960	16470	-	-	13961	22436	17324	12993	-	-	11014
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
30	-1.1	Q[Btu/h]	34760	26840	20130	-	-	17318	31600	24400	18300	-	-	15744	28440	21960	16470	-	-	14169	22436	17324	12993	-	-	11178
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
26	-3.3	Q[Btu/h]	34760	26840	20130	-	-	17572	31600	24400	18300	-	-	15975	28440	21960	16470	-	-	14377	22436	17324	12993	-	-	11342
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
22	-5.6	Q[Btu/h]	34760	26840	20130	-	-	17572	31600	24400	18300	-	-	15975	28440	21960	16470	-	-	14377	22436	17324	12993	-	-	11342
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
18	-7.8	Q[Btu/h]	34760	26840	20130	-	-	17572	31600	24400	18300	-	-	15975	28440	21960	16470	-	-	14377	22436	17324	12993	-	-	11342
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420
14	-10	Q[Btu/h]	34760	26840	20130	-	-	17572	31600	24400	18300	-	-	15975	28440	21960	16470	-	-	14377	22436	17324	12993	-	-	11342
		W	2544	1461	925	-	-	655	2470	1418	898	-	-	636	2075	1191	754	-	-	534	1630	936	592	-	-	420

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3D24NL-U1
2) HEATING

Rated Q(Btu/h): 25000 W: 1704 **Max.** Q(Btu/h): 30600

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(°C)																			
65	18.3	Q[Btu/h]	24542	23019	17264	-	-	12522	25699	24104	18078	-	-	13113	26654	25000	18750	-	-	13600
		W	4190	2415	2035	-	-	1621	4190	2304	1942	-	-	1547	4190	2215	1867	-	-	1487
60	15.6	Q[Btu/h]	25729	23019	17264	-	-	12522	26942	24104	18078	-	-	13113	27943	25000	18750	-	-	13600
		W	4190	2303	1942	-	-	1546	4190	2197	1852	-	-	1475	4190	2113	1781	-	-	1419
55	12.8	Q[Btu/h]	26884	23019	17264	-	-	12522	28151	24104	18078	-	-	13113	29198	25000	18750	-	-	13600
		W	4190	2204	1858	-	-	1480	4190	2103	1773	-	-	1412	4190	2022	1705	-	-	1358
50	10.0	Q[Btu/h]	28175	23019	17264	-	-	12522	29503	24104	18078	-	-	13113	30600	25000	18750	-	-	13600
		W	4190	2024	1707	-	-	1359	4190	1931	1628	-	-	1297	4033	1857	1566	-	-	1247
45	7.2	Q[Btu/h]	28175	23019	17264	-	-	12522	29503	24104	18078	-	-	13113	30600	25000	18750	-	-	13600
		W	4033	1857	1566	-	-	1134	3848	1772	1494	-	-	1082	3700	1704	1436	-	-	1040
40	4.4	Q[Btu/h]	26519	18540	13905	-	-	10086	27883	19494	14620	-	-	10605	28981	20261	15196	-	-	11022
		W	3897	1822	1536	-	-	1223	3718	1738	1465	-	-	1167	3575	1671	1409	-	-	1122
35	1.7	Q[Btu/h]	24909	17078	12808	-	-	9290	26317	18043	13532	-	-	9815	27419	18799	14099	-	-	10227
		W	3766	1669	1407	-	-	1121	3593	1593	1342	-	-	1069	3455	1531	1291	-	-	1028
30	-1.1	Q[Btu/h]	23238	16483	12362	-	-	9223	24692	17513	13135	-	-	9799	25800	18299	13725	-	-	10239
		W	3663	1629	1374	-	-	1125	3497	1555	1311	-	-	1074	3330	1481	1249	-	-	1023
25	-3.9	Q[Btu/h]	21559	14939	11204	-	-	8359	23063	15981	11986	-	-	8942	24181	16756	12567	-	-	9375
		W	3526	1518	1280	-	-	1048	3365	1449	1222	-	-	1001	3205	1380	1163	-	-	953
20	-6.7	Q[Btu/h]	19867	13395	10046	-	-	7495	21431	14449	10837	-	-	8085	22561	15212	11409	-	-	8512
		W	3481	1446	1219	-	-	999	3296	1370	1155	-	-	946	3080	1280	1079	-	-	884
15	-9.4	Q[Btu/h]	18209	11851	8888	-	-	6631	19847	12918	9688	-	-	7228	21000	13668	10251	-	-	7648
		W	3345	1256	1059	-	-	867	3167	1189	1002	-	-	821	2960	1111	937	-	-	767
10	-12.2	Q[Btu/h]	17343	10880	8160	-	-	7441	19157	12018	9014	-	-	8219	20400	12798	9598	-	-	8752
		W	3254	917	773	-	-	774	3082	868	732	-	-	733	2880	811	684	-	-	685
5	-15.0	Q[Btu/h]	16400	9251	6938	-	-	6326	18440	10401	7801	-	-	7113	19800	11168	8376	-	-	7638
		W	3360	966	814	-	-	815	3108	894	753	-	-	754	2800	805	679	-	-	679

MXZ-4D30NL - U1

1) COOLING

Rated Q(Btu/h): 28600 W: 2200 **Max.** Q(Btu/h): 28400

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	22594	22594	16946	11297		- 10682	22022	22022	16516.5	11011		- 10412	21736	21736	16302	10868		- 10277	20306	20306	15230	10153		- 9601
		W	2024	2024	1281	866		- 809	2178	2178	1379	932		- 870	2244	2244	1420	960		- 897	2112	2112	1337	904		- 844
110	43.3	Q[Btu/h]	29172	29172	21879	14586		- 11859	26312	26312	19734	13156		- 10696	25740	25740	19305	12870		- 10464	20306	20306	15230	10153		- 8255
		W	2152	2530	1601	1083		- 847	2096	2464	1560	1055		- 825	2021	2376	1504	1017		- 795	1643	1932	1223	827		- 647
106	41.1	Q[Btu/h]	29744	29744	22308	14872		- 12081	26884	26884	20163	13442		- 10920	25740	25740	19305	12870		- 10455	20306	20306	15230	10153		- 8248
		W	2068	2464	1560	1055		- 811	2013	2398	1518	1026		- 789	1884	2244	1420	960		- 738	1521	1812	1147	776		- 596
102	38.9	Q[Btu/h]	30316	30316	22737	15158		- 12304	27456	27456	20592	13728		- 11143	25740	25740	19305	12870		- 10447	20306	20306	15230	10153		- 8241
		W	1985	2398	1518	1026		- 775	1931	2332	1476	998		- 753	1748	2112	1337	904		- 682	1401	1692	1071	724		- 547
98	36.7	Q[Btu/h]	30888	30888	23166	15444		- 12526	28028	28028	21021	14014		- 11366	25740	25740	19305	12870		- 10439	20306	20306	15230	10153		- 8235
		W	1987	2332	1476	998		- 738	1931	2266	1434	970		- 717	1687	1980	1253	847		- 627	1339	1572	995	673		- 498
94	34.4	Q[Btu/h]	31240	31460	23595	15730		- 12760	28400	28600	21450	14300		- 11600	25560	25740	19305	12870		- 10440	20164	20306	15230	10153		- 8236
		W	4223	2266	1434	970		- 700	4100	2200	1393	942		- 680	3444	1848	1170	791		- 571	2706	1452	919	621		- 449
90	32.2	Q[Btu/h]	32633	32340	24255	16170		- 13165	29667	29400	22050	14700		- 11968	26700	26460	19845	13230		- 10771	21063	20874	15656	10437		- 8497
		W	3663	2180	1380	933		- 688	3557	2117	1340	906		- 668	2988	1778	1125	761		- 561	2347	1397	884	598		- 441
86	30	Q[Btu/h]	34027	33220	24915	16610		- 13570	30933	30200	22650	15100		- 12337	27840	27180	20385	13590		- 11103	21963	21442	16082	10721		- 8759
		W	3104	2094	1326	896		- 675	3013	2033	1287	870		- 655	2531	1708	1081	731		- 550	1989	1342	849	574		- 432
82	27.8	Q[Btu/h]	35420	34100	25575	17050		- 13975	32200	31000	23250	15500		- 12705	28980	27900	20925	13950		- 11434	22862	22010	16508	11005		- 9020
		W	2544	2009	1271	860		- 662	2470	1950	1234	835		- 643	2075	1638	1037	701		- 540	1630	1287	815	551		- 424
78	25.6	Q[Btu/h]	35420	34100	25575	17050		- 14230	32200	31000	23250	15500		- 12936	28980	27900	20925	13950		- 11642	22862	22010	16508	11005		- 9185
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
74	23.3	Q[Btu/h]	35420	34100	25575	17050		- 14496	32200	31000	23250	15500		- 13178	28980	27900	20925	13950		- 11860	22862	22010	16508	11005		- 9356
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
70	21.1	Q[Btu/h]	35420	34100	25575	17050		- 14750	32200	31000	23250	15500		- 13409	28980	27900	20925	13950		- 12068	22862	22010	16508	11005		- 9521
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
66	18.9	Q[Btu/h]	35420	34100	25575	17050		- 15005	32200	31000	23250	15500		- 13641	28980	27900	20925	13950		- 12277	22862	22010	16508	11005		- 9685
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
62	16.7	Q[Btu/h]	35420	34100	25575	17050		- 15259	32200	31000	23250	15500		- 13872	28980	27900	20925	13950		- 12485	22862	22010	16508	11005		- 9849
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
58	14.4	Q[Btu/h]	35420	34100	25575	17050		- 15525	32200	31000	23250	15500		- 14114	28980	27900	20925	13950		- 12702	22862	22010	16508	11005		- 10021
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
54	12.2	Q[Btu/h]	35420	34100	25575	17050		- 15780	32200	31000	23250	15500		- 14345	28980	27900	20925	13950		- 12911	22862	22010	16508	11005		- 10185
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
50	10	Q[Btu/h]	35420	34100	25575	17050		- 16034	32200	31000	23250	15500		- 14576	28980	27900	20925	13950		- 13119	22862	22010	16508	11005		- 10349
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
46	7.8	Q[Btu/h]	35420	34100	25575	17050		- 16289	32200	31000	23250	15500		- 14808	28980	27900	20925	13950		- 13327	22862	22010	16508	11005		- 10513
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
42	5.6	Q[Btu/h]	35420	34100	25575	17050		- 16543	32200	31000	23250	15500		- 15039	28980	27900	20925	13950		- 13535	22862	22010	16508	11005		- 10678
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
38	3.3	Q[Btu/h]	35420	34100	25575	17050		- 16809	32200	31000	23250	15500		- 15281	28980	27900	20925	13950		- 13753	22862	22010	16508	11005		- 10849
		W	2544	2009	1271	860		- 655	2470	1950	1234	835		- 636	2075	1638	1037	701		- 534	1630	1287	815	551		- 420
34	1.1	Q[Btu/h]	35420	34100	25575	-		- 17063	32200	31000	23250	-		- 15512	28980	27900	20925	-		- 13961	22862	22010	16508	-		- 11014
		W	2544	2009	1271	-		- 655	2470	1950	1234	-		- 636	2075	1638	1037	-		- 534	1630	1287	815	-		- 420
30	-1.1	Q[Btu/h]	35420	34100	25575	-		- 17318	32200	31000	23250	-		- 15744	28980	27900	20925	-		- 14169	22862	22010	16508	-		- 11178
		W	2544	2009	1271	-		- 655	2470	1950	1234	-		- 636	2075	1638	1037	-		- 534	1630	1287	815	-		- 420
26	-3.3	Q[Btu/h]	35420	34100	25575	-		- 17572	32200	31000	23250	-		- 15975	28980	27900	20925	-		- 14377	22862	22010	16508	-		- 11342
		W	2544	2009	1271	-		- 655	2470	1950	1234	-		- 636	2075	1638	1037	-		- 534	1630	1287	815	-		- 420
22	-5.6	Q[Btu/h]	35420	34100	25575	-		- 17572	32200	31000	23250	-		- 15975	28980	27900	20925	-		- 14377	22862	22010	16508	-		- 11342
		W	2544	2009	1271	-		- 655	2470	1950	1234	-		- 636	2075	1638	1037	-		- 534	1630	1287	815	-		- 420
18	-7.8	Q[Btu/h]	35420	34100	25575	-		- 17572	32200	31000	23250	-		- 15975	28980	27900	20925	-		- 14377	22862	22010	16508	-		- 11342
		W	2544	2009	1271	-		- 655	2470	1950	1234	-		- 636	2075	1638	1037	-		- 534	1630	1287	815	-		- 420
14	-10	Q[Btu/h]	35420	34100	25575	-		- 17572	32200	31000	23250	-		- 15975	28980	27900	20925	-		- 14377	22862	22010	16508	-		- 11342
		W	2544	2009	1271	-		- 655	2470	1950	1234	-		- 636	2075	1638	1037	-		- 534	1630	1287	815	-		- 420

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-4D30NL-U1
2) HEATING

Rated Q(Btu/h): 28600 W: 2149 **Max.** Q(Btu/h): 36000

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(°C)																			
65	18.3	Q[Btu/h]	28873	26334	19750	13167	-	12522	30234	27575	20681	13788	-	13113	31357	28600	21450	14300	-	13600
		W	4190	3045	2567	1626	-	1621	4190	2905	2449	1552	-	1547	4190	2794	2355	1492	-	1487
60	15.6	Q[Btu/h]	30270	26334	19750	13167	-	12522	31696	27575	20681	13788	-	13113	32875	28600	21450	14300	-	13600
		W	4190	2905	2449	1551	-	1546	4190	2771	2336	1480	-	1475	4190	2665	2246	1423	-	1419
55	12.8	Q[Btu/h]	31629	26334	19750	13167	-	12522	33119	27575	20681	13788	-	13113	34350	28600	21450	14300	-	13600
		W	4190	2780	2343	1484	-	1480	4190	2652	2236	1416	-	1412	4190	2550	2150	1362	-	1358
50	10.0	Q[Btu/h]	33148	26334	19750	13167	-	12522	34710	27575	20681	13788	-	13113	36000	28600	21450	14300	-	13600
		W	4190	2553	2152	1363	-	1359	4190	2436	2053	1301	-	1297	4033	2342	1974	1251	-	1247
45	7.2	Q[Btu/h]	33148	26334	19750	13167	-	12522	34710	27575	20681	13788	-	13113	36000	28600	21450	14300	-	13600
		W	4033	2342	1975	1251	-	1134	3848	2235	1884	1193	-	1082	3700	2149	1812	1148	-	1040
40	4.4	Q[Btu/h]	30627	21210	15907	10605	-	10086	32202	22301	16726	11151	-	10605	33470	23179	17384	11589	-	11022
		W	3897	2238	1887	1195	-	1191	3718	2135	1800	1140	-	1137	3575	2053	1731	1096	-	1093
35	1.7	Q[Btu/h]	28189	19537	14652	9768	-	9290	29782	20641	15481	10320	-	9815	31030	21506	16129	10753	-	10227
		W	3766	2051	1729	1095	-	1092	3593	1957	1649	1045	-	1042	3455	1881	1586	1005	-	1001
30	-1.1	Q[Btu/h]	25670	18856	14142	-	-	12297	27276	20035	15026	-	-	13066	28500	20934	15701	-	-	13652
		W	3663	2014	1698	-	-	1471	3497	1923	1621	-	-	1404	3330	1831	1544	-	-	1337
25	-3.9	Q[Btu/h]	23154	17090	12817	-	-	11145	24770	18283	13712	-	-	11923	25970	19168	14376	-	-	12501
		W	3526	1852	1562	-	-	1352	3365	1768	1491	-	-	1291	3205	1684	1420	-	-	1229
20	-6.7	Q[Btu/h]	20640	15324	11493	-	-	9993	22265	16530	12398	-	-	10780	23440	17402	13052	-	-	11349
		W	3481	1790	1509	-	-	1307	3296	1695	1429	-	-	1237	3080	1584	1335	-	-	1156
15	-9.4	Q[Btu/h]	18209	13558	10168	-	-	8842	19847	14778	11083	-	-	9637	21000	15636	11727	-	-	10197
		W	3345	1543	1301	-	-	1126	3167	1461	1231	-	-	1066	2960	1365	1151	-	-	997
10	-12.2	Q[Btu/h]	17343	12447	-	-	-	10485	19157	13749	-	-	-	11582	20400	14641	-	-	-	12333
		W	3254	1204	-	-	-	1135	3082	1140	-	-	-	1075	2880	1065	-	-	-	1005
5	-15.0	Q[Btu/h]	16400	10583	-	-	-	8914	18440	11899	-	-	-	10023	19800	12777	-	-	-	10763
		W	3360	1187	-	-	-	1119	3108	1098	-	-	-	1035	2800	989	-	-	-	933

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1) COOLING

Rated Q(Btu/h): 35400 W: 2950 **Max.** Q(Btu/h): 36400

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	29645	27966	20975	13983		- 11603	28895	27258	20443.5	13629		- 11309	28520	26904	20178	13452		- 11163	26643	25134	18851	12567		- 10428
		W	2762	2714	1718	1162		- 1308	2972	2921	1849	1250		- 1408	3062	3009	1905	1288		- 1451	2882	2832	1793	1212		- 1365
110	43.3	Q[Btu/h]	34292	36108	27081	18054		- 12881	30930	32568	24426	16284		- 11618	30258	31860	23895	15930		- 11366	23870	25134	18851	12567		- 8966
		W	2931	3393	2147	1452		- 1370	2854	3304	2091	1414		- 1334	2752	3186	2017	1364		- 1287	2238	2591	1640	1109		- 1046
106	41.1	Q[Btu/h]	36234	36816	27612	18408		- 13123	32750	33276	24957	16638		- 11861	31357	31860	23895	15930		- 11356	24737	25134	18851	12567		- 8959
		W	2812	3304	2091	1414		- 1312	2737	3216	2035	1376		- 1276	2561	3009	1905	1288		- 1194	2068	2430	1538	1040		- 964
102	38.9	Q[Btu/h]	38159	37524	28143	18762		- 13364	34559	33984	25488	16992		- 12104	32399	31860	23895	15930		- 11347	25559	25134	18851	12567		- 8952
		W	2693	3216	2035	1376		- 1253	2619	3127	1979	1338		- 1218	2372	2832	1793	1212		- 1104	1900	2269	1436	971		- 884
98	36.7	Q[Btu/h]	39486	38232	28674	19116		- 13606	35830	34692	26019	17346		- 12346	32905	31860	23895	15930		- 11338	25959	25134	18851	12567		- 8945
		W	2695	3127	1979	1338		- 1194	2619	3039	1923	1300		- 1161	2289	2655	1681	1136		- 1014	1817	2108	1334	902		- 805
94	34.4	Q[Btu/h]	40040	38940	29205	19470		- 13860	36400	35400	26550	17700		- 12600	32760	31860	23895	15930		- 11340	25844	25134	18851	12567		- 8946
		W	4223	3039	1923	1300		- 1133	4100	2950	1867	1263		- 1100	3444	2478	1569	1061		- 924	2706	1947	1232	833		- 726
90	32.2	Q[Btu/h]	40040	38940	29205	19470		- 14300	36400	35400	26550	17700		- 13000	32760	31860	23895	15930		- 11700	25844	25134	18851	12567		- 9230
		W	3763	2918	1847	1249		- 1112	3653	2833	1794	1213		- 1080	3069	2380	1507	1019		- 907	2411	1870	1184	800		- 713
86	30	Q[Btu/h]	40040	38940	29205	19470		- 14740	36400	35400	26550	17700		- 13400	32760	31860	23895	15930		- 12060	25844	25134	18851	12567		- 9514
		W	3303	2798	1771	1198		- 1092	3207	2717	1720	1163		- 1060	2694	2282	1445	977		- 890	2116	1793	1135	767		- 700
82	27.8	Q[Btu/h]	40040	38940	29205	19470		- 15180	36400	35400	26550	17700		- 13800	32760	31860	23895	15930		- 12420	25844	25134	18851	12567		- 9798
		W	2843	2678	1695	1146		- 1071	2760	2600	1646	1113		- 1040	2318	2184	1382	935		- 874	1822	1716	1086	734		- 686
78	25.6	Q[Btu/h]	40040	38940	29205	19470		- 15456	36400	35400	26550	17700		- 14051	32760	31860	23895	15930		- 12646	25844	25134	18851	12567		- 9976
		W	2843	2678	1695	1146		- 1062	2760	2600	1646	1113		- 1031	2318	2184	1382	935		- 866	1822	1716	1086	734		- 681
74	23.3	Q[Btu/h]	40040	38940	29205	19470		- 15745	36400	35400	26550	17700		- 14314	32760	31860	23895	15930		- 12883	25844	25134	18851	12567		- 10163
		W	2843	2678	1695	1146		- 988	2760	2600	1646	1113		- 959	2318	2184	1382	935		- 806	1822	1716	1086	734		- 633
70	21.1	Q[Btu/h]	40040	38940	29205	19470		- 16022	36400	35400	26550	17700		- 14565	32760	31860	23895	15930		- 13109	25844	25134	18851	12567		- 10341
		W	2843	2678	1695	1146		- 917	2760	2600	1646	1113		- 891	2318	2184	1382	935		- 748	1822	1716	1086	734		- 588
66	18.9	Q[Btu/h]	40040	38940	29205	19470		- 16298	36400	35400	26550	17700		- 14816	32760	31860	23895	15930		- 13335	25844	25134	18851	12567		- 10520
		W	2843	2678	1695	1146		- 846	2760	2600	1646	1113		- 822	2318	2184	1382	935		- 690	1822	1716	1086	734		- 542
62	16.7	Q[Btu/h]	40040	38940	29205	19470		- 16575	36400	35400	26550	17700		- 15068	32760	31860	23895	15930		- 13561	25844	25134	18851	12567		- 10698
		W	2843	2678	1695	1146		- 776	2760	2600	1646	1113		- 753	2318	2184	1382	935		- 632	1822	1716	1086	734		- 497
58	14.4	Q[Btu/h]	40040	38940	29205	19470		- 16864	36400	35400	26550	17700		- 15330	32760	31860	23895	15930		- 13797	25844	25134	18851	12567		- 10885
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
54	12.2	Q[Btu/h]	40040	38940	29205	19470		- 17140	36400	35400	26550	17700		- 15582	32760	31860	23895	15930		- 14024	25844	25134	18851	12567		- 11063
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
50	10	Q[Btu/h]	40040	38940	29205	19470		- 17416	36400	35400	26550	17700		- 15833	32760	31860	23895	15930		- 14250	25844	25134	18851	12567		- 11241
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
46	7.8	Q[Btu/h]	40040	38940	29205	19470		- 17693	36400	35400	26550	17700		- 16084	32760	31860	23895	15930		- 14476	25844	25134	18851	12567		- 11420
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
42	5.6	Q[Btu/h]	40040	38940	29205	19470		- 17969	36400	35400	26550	17700		- 16336	32760	31860	23895	15930		- 14702	25844	25134	18851	12567		- 11598
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
38	3.3	Q[Btu/h]	40040	38940	29205	19470		- 18258	36400	35400	26550	17700		- 16598	32760	31860	23895	15930		- 14938	25844	25134	18851	12567		- 11785
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
34	1.1	Q[Btu/h]	40040	38940	29205	19470		- 18534	36400	35400	26550	17700		- 16849	32760	31860	23895	15930		- 15165	25844	25134	18851	12567		- 11963
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
30	-1.1	Q[Btu/h]	40040	38940	29205	19470		- 18811	36400	35400	26550	17700		- 17101	32760	31860	23895	15930		- 15391	25844	25134	18851	12567		- 12142
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
26	-3.3	Q[Btu/h]	40040	38940	29205	19470		- 19087	36400	35400	26550	17700		- 17352	32760	31860	23895	15930		- 15617	25844	25134	18851	12567		- 12320
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
22	-5.6	Q[Btu/h]	40040	38940	29205	19470		- 19087	36400	35400	26550	17700		- 17352	32760	31860	23895	15930		- 15617	25844	25134	18851	12567		- 12320
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
18	-7.8	Q[Btu/h]	40040	38940	29205	19470		- 19087	36400	35400	26550	17700		- 17352	32760	31860	23895	15930		- 15617	25844	25134	18851	12567		- 12320
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428
14	-10	Q[Btu/h]	40040	38940	29205	19470		- 19087	36400	35400	26550	17700		- 17352	32760	31860	23895	15930		- 15617	25844	25134	18851	12567		- 12320
		W	2843	2678	1695	1146		- 668	2760	2600	1646	1113		- 649	2318	2184	1382	935		- 545	1822	1716	1086	734		- 428

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

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2) HEATING

Rated Q(Btu/h): 36000 W: 3015 **Max.** Q(Btu/h): 43000

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(°C)																			
65	18.3	Q[Btu/h]	31461	33148	24861	16574	-	11786	32943	34710	26032	17355	-	12341	34168	36000	27000	18000	-	12800
		W	4235	4235	3570	2262	-	1435	4235	4076	3436	2176	-	1398	4235	3919	3304	2093	-	1344
60	15.6	Q[Btu/h]	32983	33148	24861	16574	-	11786	34537	34710	26032	17355	-	12341	35821	36000	27000	18000	-	12800
		W	4235	4074	3435	2176	-	1398	4235	3888	3277	2076	-	1333	4235	3738	3151	1996	-	1282
55	12.8	Q[Btu/h]	34463	33148	24861	16574	-	11786	36088	34710	26032	17355	-	12341	37429	36000	27000	18000	-	12800
		W	4235	3899	3287	2082	-	1338	4235	3721	3136	1987	-	1276	4235	3577	3016	1910	-	1227
50	10.0	Q[Btu/h]	37525	33148	24861	16574	-	11786	39293	34710	26032	17355	-	12341	40754	36000	27000	18000	-	12800
		W	4235	3581	3019	1912	-	1228	4235	3417	2881	1825	-	1172	4235	3286	2770	1755	-	1127
45	7.2	Q[Btu/h]	39593	33148	24861	16574	-	11786	41459	34710	26032	17355	-	12341	43000	36000	27000	18000	-	12800
		W	4235	3286	2770	1755	-	1025	4235	3135	2643	1674	-	978	4100	3015	2541	1610	-	940
40	4.4	Q[Btu/h]	36816	26698	20023	13349	-	10982	38710	28071	21054	14036	-	11547	40234	29176	21882	14588	-	12002
		W	4348	3144	2650	1679	-	1147	4148	2999	2529	1602	-	1094	3989	2884	2431	1540	-	1052
35	1.7	Q[Btu/h]	34127	24592	18444	12296	-	10116	36056	25982	19486	12991	-	10688	37566	27070	20303	13535	-	11135
		W	4231	2880	2428	1538	-	1041	4037	2748	2317	1468	-	1003	3881	2643	2228	1411	-	964
30	-1.1	Q[Btu/h]	31345	23735	17801	-	-	14340	33305	25219	18914	-	-	15237	34800	26351	19763	-	-	15921
		W	4147	2852	2404	-	-	1578	3959	2722	2295	-	-	1520	3770	2593	2185	-	-	1461
25	-3.9	Q[Btu/h]	28560	21512	16134	-	-	12997	30554	23013	17260	-	-	13904	32034	24128	18096	-	-	14577
		W	4025	2580	2175	-	-	1268	3842	2462	2076	-	-	1232	3659	2345	1977	-	-	1185
20	-6.7	Q[Btu/h]	25772	19289	14467	-	-	11654	27801	20807	15605	-	-	12571	29267	21905	16429	-	-	13234
		W	4009	2537	2139	-	-	1316	3796	2402	2025	-	-	1279	3547	2245	1893	-	-	1230
15	-9.4	Q[Btu/h]	23064	17066	12799	-	-	10311	25139	18601	13951	-	-	11238	26600	19682	14762	-	-	11891
		W	3887	2167	1827	-	-	1100	3681	2052	1730	-	-	1100	3440	1918	1617	-	-	1028
10	-12.2	Q[Btu/h]	21509	15667	-	-	-	11681	23759	17306	-	-	-	12903	25300	18429	-	-	-	13740
		W	3836	1828	-	-	-	1167	3632	1731	-	-	-	1134	3395	1618	-	-	-	1101
5	-15.0	Q[Btu/h]	19879	13321	-	-	-	9932	22352	14978	-	-	-	11167	24000	16083	-	-	-	11991
		W	4019	1667	-	-	-	974	3718	1542	-	-	-	946	3350	1389	-	-	-	919

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1) COOLING

Rated Q(Btu/h): 40500 W: 4355 **Max.** Q(Btu/h): 43000

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	41193	32400	24300	16200		- 11470	39649	31185	23389	15593		- 11040	39134	30780	23085	15390		- 10897	36044	28350	21263	14175		- 10037
		W	5156	3397	2150	1454		- 1318	5685	3745	2371	1603		- 1454	5883	3876	2453	1659		- 1504	5553	3658	2316	1566		- 1420
110	43.3	Q[Btu/h]	43628	40176	30132	20088		- 12181	40901	37665	28249	18833		- 11420	37822	34830	26123	17415		- 10560	30786	28350	21263	14175		- 8595
		W	5135	4721	2988	2021		- 1301	5400	4965	3143	2125		- 1368	4837	4447	2815	1903		- 1226	3600	3310	2095	1417		- 912
106	41.1	Q[Btu/h]	46187	42525	31894	21263		- 12948	41788	38475	28856	19238		- 11715	37830	34830	26123	17415		- 10605	30791	28350	21263	14175		- 8632
		W	5301	4965	3143	2125		- 1349	5115	4791	3032	2050		- 1302	4521	4234	2680	1812		- 1150	3348	3136	1985	1342		- 852
102	38.9	Q[Btu/h]	47140	42930	32198	21465		- 13258	42693	38880	29160	19440		- 12008	38245	34830	26123	17415		- 10757	31130	28350	21263	14175		- 8756
		W	5009	4878	3088	2088		- 1281	4830	4703	2977	2013		- 1235	4239	4128	2613	1767		- 1084	3131	3049	1930	1305		- 801
98	36.7	Q[Btu/h]	47827	43740	32805	21870		- 13553	43398	39690	29768	19845		- 12298	38084	34830	26123	17415		- 10792	30999	28350	21263	14175		- 8785
		W	5016	4703	2977	2013		- 1214	4830	4529	2867	1938		- 1169	4175	3915	2478	1675		- 1010	3065	2874	1819	1230		- 742
94	34.4	Q[Btu/h]	47300	44550	33413	22275		- 13860	43000	40500	30375	20250		- 12600	36980	34830	26123	17415		- 10836	30100	28350	21263	14175		- 8820
		W	4576	4529	2867	1938		- 1144	4400	4355	2757	1864		- 1100	3740	3702	2343	1584		- 935	2728	2700	1709	1156		- 682
90	32.2	Q[Btu/h]	47300	44550	33413	22275		- 14300	43000	40500	30375	20250		- 13000	36980	34830	26123	17415		- 11180	30100	28350	21263	14175		- 9100
		W	4368	4302	2723	1841		- 1123	4200	4137	2619	1770		- 1080	3570	3516	2226	1505		- 918	2604	2565	1623	1098		- 670
86	30	Q[Btu/h]	47300	44550	33413	22275		- 14740	43000	40500	30375	20250		- 13400	36980	34830	26123	17415		- 11524	30100	28350	21263	14175		- 9380
		W	4160	4075	2580	1744		- 1102	4000	3918	2480	1677		- 1060	3400	3331	2108	1425		- 901	2480	2429	1538	1040		- 657
82	27.8	Q[Btu/h]	47300	44550	33413	22275		- 15180	43000	40500	30375	20250		- 13800	36980	34830	26123	17415		- 11868	30100	28350	21263	14175		- 9660
		W	3952	3848	2436	1647		- 1082	3800	3700	2342	1584		- 1040	3230	3145	1991	1346		- 884	2356	2294	1452	982		- 645
78	25.6	Q[Btu/h]	47300	44550	33413	22275		- 15496	43000	40500	30375	20250		- 14088	36980	34830	26123	17415		- 12115	30100	28350	21263	14175		- 9861
		W	3952	3848	2436	1647		- 1061	3800	3700	2342	1584		- 1021	3230	3145	1991	1346		- 867	2356	2294	1452	982		- 633
74	23.3	Q[Btu/h]	47300	44550	33413	22275		- 15826	43000	40500	30375	20250		- 14387	36980	34830	26123	17415		- 12373	30100	28350	21263	14175		- 10071
		W	3952	3848	2436	1647		- 975	3800	3700	2342	1584		- 938	3230	3145	1991	1346		- 797	2356	2294	1452	982		- 581
70	21.1	Q[Btu/h]	47300	44550	33413	22275		- 16138	43000	40500	30375	20250		- 14671	36980	34830	26123	17415		- 12617	30100	28350	21263	14175		- 10270
		W	3952	3848	2436	1647		- 893	3800	3700	2342	1584		- 858	3230	3145	1991	1346		- 730	2356	2294	1452	982		- 532
66	18.9	Q[Btu/h]	47300	44550	33413	22275		- 16448	43000	40500	30375	20250		- 14953	36980	34830	26123	17415		- 12860	30100	28350	21263	14175		- 10467
		W	3952	3848	2436	1647		- 811	3800	3700	2342	1584		- 780	3230	3145	1991	1346		- 663	2356	2294	1452	982		- 483
62	16.7	Q[Btu/h]	47300	44550	33413	22275		- 16757	43000	40500	30375	20250		- 15233	36980	34830	26123	17415		- 13101	30100	28350	21263	14175		- 10663
		W	3952	3848	2436	1647		- 729	3800	3700	2342	1584		- 701	3230	3145	1991	1346		- 596	2356	2294	1452	982		- 434
58	14.4	Q[Btu/h]	47300	44550	33413	22275		- 17076	43000	40500	30375	20250		- 15524	36980	34830	26123	17415		- 13350	30100	28350	21263	14175		- 10867
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
54	12.2	Q[Btu/h]	47300	44550	33413	22275		- 17380	43000	40500	30375	20250		- 15800	36980	34830	26123	17415		- 13588	30100	28350	21263	14175		- 11060
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
50	10	Q[Btu/h]	47300	44550	33413	22275		- 17681	43000	40500	30375	20250		- 16074	36980	34830	26123	17415		- 13824	30100	28350	21263	14175		- 11252
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
46	7.8	Q[Btu/h]	47300	44550	33413	22275		- 17981	43000	40500	30375	20250		- 16346	36980	34830	26123	17415		- 14058	30100	28350	21263	14175		- 11442
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
42	5.6	Q[Btu/h]	47300	44550	33413	22275		- 17290	43000	40500	30375	20250		- 15719	36980	34830	26123	17415		- 13518	30100	28350	21263	14175		- 11003
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
38	3.3	Q[Btu/h]	47300	44550	33413	22275		- 17610	43000	40500	30375	20250		- 16009	36980	34830	26123	17415		- 13768	30100	28350	21263	14175		- 11206
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
34	1.1	Q[Btu/h]	47300	44550	33413	22275		- 17601	43000	40500	30375	20250		- 16001	36980	34830	26123	17415		- 13761	30100	28350	21263	14175		- 11201
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
30	-1.1	Q[Btu/h]	47300	44550	33413	22275		- 16401	43000	40500	30375	20250		- 14910	36980	34830	26123	17415		- 12822	30100	28350	21263	14175		- 10437
		W	3952	3848	2436	1647		- 778	3800	3700	2342	1584		- 748	3230	3145	1991	1346		- 636	2356	2294	1452	982		- 464
26	-3.3	Q[Btu/h]	47300	44550	33413	22275		- 16719	43000	40500	30375	20250		- 15199	36980	34830	26123	17415		- 13071	30100	28350	21263	14175		- 10639
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
22	-5.6	Q[Btu/h]	47300	44550	33413	22275		- 17048	43000	40500	30375	20250		- 15498	36980	34830	26123	17415		- 13328	30100	28350	21263	14175		- 10849
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
18	-7.8	Q[Btu/h]	47300	44550	33413	22275		- 17360	43000	40500	30375	20250		- 15782	36980	34830	26123	17415		- 13573	30100	28350	21263	14175		- 11048
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402
14	-10	Q[Btu/h]	47300	44550	33413	22275		- 17672	43000	40500	30375	20250		- 16065	36980	34830	26123	17415		- 13816	30100	28350	21263	14175		- 11246
		W	3952	3848	2436	1647		- 675	3800	3700	2342	1584		- 649	3230	3145	1991	1346		- 551	2356	2294	1452	982		- 402

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-5D42NL-U1
2) HEATING

Rated Q(Btu/h): 45000 W: 4397 **Max.** Q(Btu/h): 53600

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(˚C)																			
65	18.3	Q[Btu/h]	41434	41434	31076	20717	-	11786	44107	43387	32541	21694	-	12341	45746	45000	33750	22500	-	12800
		W	6102	6102	5144	3259	-	1435	6102	5945	5011	3174	-	1398	6102	5716	4819	3052	-	1344
60	15.6	Q[Btu/h]	42546	41434	31076	20717	-	11786	46241	43387	32541	21694	-	12341	47960	45000	33750	22500	-	12800
		W	6102	5943	5010	3174	-	1398	6102	5670	4780	3028	-	1333	6102	5452	4596	2912	-	1282
55	12.8	Q[Btu/h]	44455	41434	31076	20717	-	11786	48317	43387	32541	21694	-	12341	50113	45000	33750	22500	-	12800
		W	6102	5688	4795	3037	-	1338	6102	5427	4575	2898	-	1276	6102	5218	4399	2786	-	1227
50	10.0	Q[Btu/h]	48405	41434	31076	20717	-	11786	51679	43387	32541	21694	-	12341	53600	45000	33750	22500	-	12800
		W	6102	5224	4404	2789	-	1228	6102	4984	4202	2661	-	1172	5995	4792	4040	2559	-	1127
45	7.2	Q[Btu/h]	49353	41434	31076	20717	-	11786	51679	43387	32541	21694	-	12341	53600	45000	33750	22500	-	12800
		W	5995	4793	4040	2559	-	1025	5720	4573	3855	2442	-	978	5500	4397	3707	2348	-	940
40	4.4	Q[Btu/h]	45481	31370	23527	15685	-	10982	47821	32984	24738	16492	-	11547	49704	34282	25712	17141	-	12002
		W	5802	3963	3341	2116	-	1147	5536	3781	3188	2019	-	1094	5323	3636	3065	1942	-	1052
35	1.7	Q[Btu/h]	41739	28895	21671	14448	-	10116	44099	30528	22896	15264	-	10688	45946	31807	23856	15904	-	11135
		W	5564	3598	3033	1921	-	1041	5358	3465	2921	1850	-	1003	5152	3331	2808	1779	-	964
30	-1.1	Q[Btu/h]	37875	27888	20916	-	-	14340	40244	29632	22224	-	-	15237	42050	30963	23222	-	-	15921
		W	5373	3713	3130	-	-	1578	5174	3575	3014	-	-	1520	4975	3438	2898	-	-	1461
25	-3.9	Q[Btu/h]	34016	25276	18957	-	-	12997	36391	27040	20280	-	-	13904	38154	28351	21263	-	-	14577
		W	5134	2982	2514	-	-	1268	4990	2899	2444	-	-	1232	4798	2787	2350	-	-	1185
20	-6.7	Q[Btu/h]	30166	22664	16998	-	-	11654	32540	24449	18336	-	-	12571	34257	25738	19304	-	-	13234
		W	4944	3096	2610	-	-	1316	4806	3009	2537	-	-	1279	4621	2894	2439	-	-	1230
15	-9.4	Q[Btu/h]	26446	20052	15039	-	-	10311	28825	21857	16392	-	-	11238	30500	23126	17345	-	-	11891
		W	4762	2587	2181	-	-	1100	4762	2587	2181	-	-	1100	4450	2418	2038	-	-	1028
10	-12.2	Q[Btu/h]	23592	18409	13807	-	-	11681	26059	20335	15251	-	-	12903	27750	21654	16241	-	-	13740
		W	4565	2224	1875	-	-	1167	4436	2161	1822	-	-	1134	4307	2098	1769	-	-	1101
5	-15.0	Q[Btu/h]	20707	15652	11739	-	-	9932	23283	17599	13199	-	-	11167	25000	18897	14173	-	-	11991
		W	4414	1856	1565	-	-	974	4289	1804	1521	-	-	946	4164	1751	1476	-	-	919

MXZ-2D20NLHZ - U1

1) COOLING

Rated Q(Btu/h): 18000 W: 1333 **Max.** Q(Btu/h): 20000

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	18583	14400	-	-	-	11159	17886	13860	-	-	-	10741	17653	13680	-	-	-	10601	16260	12600	-	-	-	9764
		W	3084	1040	-	-	-	569	3400	1146	-	-	-	628	3519	1186	-	-	-	650	3321	1120	-	-	-	613
110	43.3	Q[Btu/h]	19613	17856	13392	-	-	11676	18388	16740	12555	-	-	10946	17004	15480	11610	-	-	10122	13840	12600	9450	-	-	8239
		W	3048	1445	915	-	-	575	3205	1520	962	-	-	604	2871	1361	862	-	-	541	2137	1013	641	-	-	403
106	41.1	Q[Btu/h]	20759	18900	14175	-	-	12277	18782	17100	12825	-	-	11108	17002	15480	11610	-	-	10056	13839	12600	9450	-	-	8185
		W	3120	1520	962	-	-	607	3011	1466	928	-	-	586	2661	1296	820	-	-	518	1971	960	608	-	-	384
102	38.9	Q[Btu/h]	21174	19080	14310	-	-	12443	19176	17280	12960	-	-	11270	17179	15480	11610	-	-	10096	13983	12600	9450	-	-	8217
		W	2920	1493	945	-	-	589	2816	1440	911	-	-	568	2471	1263	800	-	-	498	1825	933	591	-	-	368
98	36.7	Q[Btu/h]	21567	19440	14580	-	-	12598	19570	17640	13230	-	-	11431	17174	15480	11610	-	-	10031	13979	12600	9450	-	-	8165
		W	2924	1440	911	-	-	570	2816	1386	878	-	-	549	2434	1198	758	-	-	475	1787	880	557	-	-	349
94	34.4	Q[Btu/h]	22000	19800	14850	-	-	12760	20000	18000	13500	-	-	11600	17200	15480	11610	-	-	9976	14000	12600	9450	-	-	8120
		W	2787	1386	878	-	-	551	2680	1333	844	-	-	530	2278	1133	717	-	-	451	1662	826	523	-	-	329
90	32.2	Q[Btu/h]	22147	19800	14850	-	-	13165	20133	18000	13500	-	-	11968	17315	15480	11610	-	-	10293	14093	12600	9450	-	-	8378
		W	2302	1307	827	-	-	541	2213	1257	795	-	-	520	1881	1068	676	-	-	442	1372	779	493	-	-	323
86	30	Q[Btu/h]	22293	19800	14850	-	-	13570	20267	18000	13500	-	-	12337	17429	15480	11610	-	-	10609	14187	12600	9450	-	-	8636
		W	1817	1228	777	-	-	531	1747	1180	747	-	-	511	1485	1003	635	-	-	434	1083	732	463	-	-	317
82	27.8	Q[Btu/h]	22440	19800	14850	-	-	13975	20400	18000	13500	-	-	12705	17544	15480	11610	-	-	10926	14280	12600	9450	-	-	8893
		W	1331	1148	727	-	-	521	1280	1104	699	-	-	501	1088	938	594	-	-	426	794	684	433	-	-	311
78	25.6	Q[Btu/h]	22440	19800	14850	-	-	14162	20400	18000	13500	-	-	12875	17544	15480	11610	-	-	11072	14280	12600	9450	-	-	9012
		W	1331	1148	727	-	-	516	1280	1104	699	-	-	496	1088	938	594	-	-	421	794	684	433	-	-	307
74	23.3	Q[Btu/h]	22440	19800	14850	-	-	14357	20400	18000	13500	-	-	13052	17544	15480	11610	-	-	11225	14280	12600	9450	-	-	9137
		W	1331	1148	727	-	-	516	1280	1104	699	-	-	496	1088	938	594	-	-	421	794	684	433	-	-	307
70	21.1	Q[Btu/h]	22440	19800	14850	-	-	14544	20400	18000	13500	-	-	13222	17544	15480	11610	-	-	11371	14280	12600	9450	-	-	9255
		W	1331	1148	727	-	-	516	1280	1104	699	-	-	496	1088	938	594	-	-	421	794	684	433	-	-	307
66	18.9	Q[Btu/h]	22440	19800	14850	-	-	14731	20400	18000	13500	-	-	13392	17544	15480	11610	-	-	11517	14280	12600	9450	-	-	9374
		W	1331	1148	727	-	-	516	1280	1104	699	-	-	496	1088	938	594	-	-	421	794	684	433	-	-	307
62	16.7	Q[Btu/h]	22440	19800	-	-	-	14918	20400	18000	-	-	-	13562	17544	15480	-	-	-	11663	14280	12600	-	-	-	9493
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
58	14.4	Q[Btu/h]	22440	19800	-	-	-	15113	20400	18000	-	-	-	13739	17544	15480	-	-	-	11816	14280	12600	-	-	-	9618
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
54	12.2	Q[Btu/h]	22440	19800	-	-	-	15300	20400	18000	-	-	-	13909	17544	15480	-	-	-	11962	14280	12600	-	-	-	9736
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
50	10	Q[Btu/h]	22440	19800	-	-	-	15487	20400	18000	-	-	-	14079	17544	15480	-	-	-	12108	14280	12600	-	-	-	9855
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
46	7.8	Q[Btu/h]	22440	19800	-	-	-	15674	20400	18000	-	-	-	14249	17544	15480	-	-	-	12254	14280	12600	-	-	-	9974
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
42	5.6	Q[Btu/h]	22440	19800	-	-	-	15861	20400	18000	-	-	-	14419	17544	15480	-	-	-	12400	14280	12600	-	-	-	10093
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
38	3.3	Q[Btu/h]	22440	19800	-	-	-	16056	20400	18000	-	-	-	14596	17544	15480	-	-	-	12553	14280	12600	-	-	-	10217
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
34	1.1	Q[Btu/h]	22440	19800	-	-	-	16243	20400	18000	-	-	-	14766	17544	15480	-	-	-	12699	14280	12600	-	-	-	10336
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
30	-1.1	Q[Btu/h]	22440	19800	-	-	-	16430	20400	18000	-	-	-	14936	17544	15480	-	-	-	12845	14280	12600	-	-	-	10455
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
26	-3.3	Q[Btu/h]	22440	19800	-	-	-	16617	20400	18000	-	-	-	15106	17544	15480	-	-	-	12991	14280	12600	-	-	-	10574
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
22	-5.6	Q[Btu/h]	22440	19800	-	-	-	16812	20400	18000	-	-	-	15284	17544	15480	-	-	-	13144	14280	12600	-	-	-	10698
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
18	-7.8	Q[Btu/h]	22440	19800	-	-	-	16999	20400	18000	-	-	-	15453	17544	15480	-	-	-	13290	14280	12600	-	-	-	10817
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307
14	-10	Q[Btu/h]	22440	19800	-	-	-	17186	20400	18000	-	-	-	15623	17544	15480	-	-	-	13436	14280	12600	-	-	-	10936
		W	1331	1148	-	-	-	516	1280	1104	-	-	-	496	1088	938	-	-	-	421	794	684	-	-	-	307

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-2D20NLHZ-U1

2) HEATING

Rated Q(Btu/h): 22000 W: 1612 **Max.** Q(Btu/h): 25500

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(°C)																			
65	18.3	Q[Btu/h]	23539	20308	15231	-	-	10523	24601	21225	15919	-	-	10998	25500	22000	16500	-	-	11400
		W	3279	2284	1926	-	-	1325	3245	2179	1837	-	-	1264	3120	2096	1767	-	-	1216
60	15.6	Q[Btu/h]	23539	20308	15231	-	-	10523	24601	21225	15919	-	-	10998	25500	22000	16500	-	-	11400
		W	3244	2179	1837	-	-	1264	3095	2079	1752	-	-	1206	2976	1999	1685	-	-	1159
55	12.8	Q[Btu/h]	23539	20308	15231	-	-	10523	24601	21225	15919	-	-	10998	25500	22000	16500	-	-	11400
		W	3104	2085	1758	-	-	1209	2962	1990	1677	-	-	1154	2848	1913	1613	-	-	1110
50	10.0	Q[Btu/h]	23539	20308	15231	-	-	10523	24601	21225	15919	-	-	10998	25500	22000	16500	-	-	11400
		W	2851	1915	1614	-	-	1111	2720	1827	1540	-	-	1060	2616	1757	1481	-	-	1019
45	7.2	Q[Btu/h]	23539	20308	15231	-	-	10523	24601	21225	15919	-	-	10998	25500	22000	16500	-	-	11400
		W	2616	1757	1481	-	-	927	2496	1676	1413	-	-	884	2400	1612	1359	-	-	850
40	4.4	Q[Btu/h]	22874	17017	12762	-	-	9619	23977	17837	13378	-	-	10083	24910	18531	13898	-	-	10476
		W	2781	1687	1422	-	-	889	2654	1609	1357	-	-	849	2552	1548	1305	-	-	816
35	1.7	Q[Btu/h]	22351	17018	12764	-	-	9620	23404	17820	13365	-	-	10073	24340	18533	13900	-	-	10476
		W	2914	1956	1649	-	-	1031	2806	1884	1588	-	-	993	2698	1811	1527	-	-	955
30	-1.1	Q[Btu/h]	21809	17964	13473	-	-	11781	22837	18810	14108	-	-	12336	23750	19562	14672	-	-	12830
		W	3078	2064	1740	-	-	1278	2964	1988	1676	-	-	1231	2850	1911	1611	-	-	1183
25	-3.9	Q[Btu/h]	21267	17964	13473	-	-	11488	22269	18810	14108	-	-	12030	23160	19562	14672	-	-	12511
		W	3212	2066	1742	-	-	1215	3122	2008	1693	-	-	1181	3002	1931	1628	-	-	1136
20	-6.7	Q[Btu/h]	20725	17964	13473	-	-	11195	21701	18810	14108	-	-	11723	22569	19562	14672	-	-	12192
		W	3374	2173	1832	-	-	1167	3280	2112	1781	-	-	1134	3154	2031	1712	-	-	1090
15	-9.4	Q[Btu/h]	20202	17964	13473	-	-	10913	21154	18810	14108	-	-	11427	22000	19562	14672	-	-	11884
		W	3531	2280	1922	-	-	1120	3531	2280	1922	-	-	1120	3300	2131	1797	-	-	1047
10	-12.2	Q[Btu/h]	20202	18962	14221	-	-	13080	21154	19855	14891	-	-	13696	22000	20649	15487	-	-	14244
		W	3456	2560	2158	-	-	1254	3358	2487	2097	-	-	1219	3260	2415	2036	-	-	1183
5	-15.0	Q[Btu/h]	20202	18962	14221	-	-	13080	21154	19855	14891	-	-	13696	22000	20649	15487	-	-	14244
		W	3413	2666	2247	-	-	1692	3317	2590	2184	-	-	1644	3220	2515	2120	-	-	1597
0	-17.8	Q[Btu/h]	19183	18333	13750	-	-	12414	20087	19206	14405	-	-	13006	20890	19974	14981	-	-	13526
		W	3156	2991	2521	-	-	1772	3067	2766	2332	-	-	1639	2978	2492	2101	-	-	1476
-5	-20.6	Q[Btu/h]	18164	15713	11785	-	-	11726	19019	16504	12378	-	-	12316	19780	17161	12871	-	-	12807
		W	3098	2542	2143	-	-	1536	3011	2470	2082	-	-	1493	2923	2398	2022	-	-	1449
-10	-23.3	Q[Btu/h]	17181	13093	-	-	-	10502	17990	13801	-	-	-	11069	18710	14349	-	-	-	11508
		W	3056	2442	-	-	-	1515	2969	2373	-	-	-	1472	2883	2304	-	-	-	1429
-15	-26.1	Q[Btu/h]	16162	-	-	-	-	9845	16923	-	-	-	-	10415	17600	-	-	-	-	10826
		W	2731	-	-	-	-	1354	2653	-	-	-	-	1316	2576	-	-	-	-	1277

MXZ-3D24NLHZ - U1

1) COOLING

Rated Q(Btu/h): 22000 W: 1693 **Max.** Q(Btu/h): 23600

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	23200	17600	13200	-	-	10955	22330	16940	12705	-	-	10544	22040	16720	12540	-	-	10408	20300	15400	11550	-	-	9586
		W	4044	1321	836	-	-	1021	4459	1456	922	-	-	1126	4615	1507	954	-	-	1165	4356	1422	900	-	-	1100
110	43.3	Q[Btu/h]	24714	21824	16368	-	-	11517	23169	20460	15345	-	-	10797	21425	18920	14190	-	-	9984	17439	15400	11550	-	-	8127
		W	4103	1835	1162	-	-	1019	4315	1930	1222	-	-	1072	3865	1729	1094	-	-	960	2877	1287	814	-	-	714
106	41.1	Q[Btu/h]	26337	23100	17325	-	-	12153	23828	20900	15675	-	-	10996	21571	18920	14190	-	-	9954	17558	15400	11550	-	-	8102
		W	4323	1930	1222	-	-	1067	4171	1862	1179	-	-	1029	3687	1646	1042	-	-	910	2730	1219	772	-	-	674
102	38.9	Q[Btu/h]	27039	23320	17490	-	-	12360	24488	21120	15840	-	-	11194	21937	18920	14190	-	-	10028	17856	15400	11550	-	-	8162
		W	4177	1896	1200	-	-	1023	4027	1828	1157	-	-	987	3534	1605	1016	-	-	866	2610	1185	750	-	-	640
98	36.7	Q[Btu/h]	27713	23760	17820	-	-	12555	25147	21560	16170	-	-	11393	22068	18920	14190	-	-	9998	17962	15400	11550	-	-	8138
		W	4182	1828	1157	-	-	981	4027	1761	1115	-	-	944	3481	1522	963	-	-	816	2556	1117	707	-	-	599
94	34.4	Q[Btu/h]	25960	24200	18150	-	-	12760	23600	22000	16500	-	-	11600	20296	18920	14190	-	-	9976	16520	15400	11550	-	-	8120
		W	2870	1761	1115	-	-	936	2760	1693	1072	-	-	900	2346	1439	911	-	-	765	1711	1050	664	-	-	558
90	32.2	Q[Btu/h]	25960	23980	17985	-	-	12833	23600	21800	16350	-	-	11667	20296	18748	14061	-	-	10033	16520	15260	11445	-	-	8167
		W	2756	1704	1079	-	-	936	2650	1638	1037	-	-	900	2253	1393	882	-	-	765	1643	1016	643	-	-	558
86	30	Q[Btu/h]	25960	23760	17820	-	-	12907	23600	21600	16200	-	-	11733	20296	18576	13932	-	-	10091	16520	15120	11340	-	-	8213
		W	2642	1647	1043	-	-	936	2540	1584	1002	-	-	900	2159	1346	852	-	-	765	1575	982	622	-	-	558
82	27.8	Q[Btu/h]	25960	23540	17655	-	-	12980	23600	21400	16050	-	-	11800	20296	18404	13803	-	-	10148	16520	14980	11235	-	-	8260
		W	2527	1590	1007	-	-	936	2430	1529	968	-	-	900	2066	1300	823	-	-	765	1507	948	600	-	-	558
78	25.6	Q[Btu/h]	25960	23540	17655	-	-	13191	23600	21400	16050	-	-	11992	20296	18404	13803	-	-	10313	16520	14980	11235	-	-	8394
		W	2527	1590	1007	-	-	885	2430	1529	968	-	-	851	2066	1300	823	-	-	723	1507	948	600	-	-	527
74	23.3	Q[Btu/h]	25960	23540	17655	-	-	13412	23600	21400	16050	-	-	12193	20296	18404	13803	-	-	10486	16520	14980	11235	-	-	8535
		W	2527	1590	1007	-	-	831	2430	1529	968	-	-	799	2066	1300	823	-	-	679	1507	948	600	-	-	495
70	21.1	Q[Btu/h]	25960	23540	17655	-	-	13623	23600	21400	16050	-	-	12385	20296	18404	13803	-	-	10651	16520	14980	11235	-	-	8669
		W	2527	1590	1007	-	-	779	2430	1529	968	-	-	749	2066	1300	823	-	-	637	1507	948	600	-	-	465
66	18.9	Q[Btu/h]	25960	23540	17655	-	-	13835	23600	21400	16050	-	-	12577	20296	18404	13803	-	-	10816	16520	14980	11235	-	-	8804
		W	2527	1590	1007	-	-	728	2430	1529	968	-	-	700	2066	1300	823	-	-	595	1507	948	600	-	-	434
62	16.7	Q[Btu/h]	25960	23540	17655	-	-	14046	23600	21400	16050	-	-	12769	20296	18404	13803	-	-	10981	16520	14980	11235	-	-	8938
		W	2527	1590	1007	-	-	677	2430	1529	968	-	-	651	2066	1300	823	-	-	553	1507	948	600	-	-	403
58	14.4	Q[Btu/h]	25960	23540	17655	-	-	14267	23600	21400	16050	-	-	12970	20296	18404	13803	-	-	11154	16520	14980	11235	-	-	9079
		W	2527	1590	1007	-	-	623	2430	1529	968	-	-	599	2066	1300	823	-	-	509	1507	948	600	-	-	371
54	12.2	Q[Btu/h]	25960	23540	17655	-	-	14478	23600	21400	16050	-	-	13162	20296	18404	13803	-	-	11319	16520	14980	11235	-	-	9213
		W	2527	1590	1007	-	-	571	2430	1529	968	-	-	549	2066	1300	823	-	-	467	1507	948	600	-	-	341
50	10	Q[Btu/h]	25960	23540	17655	-	-	14689	23600	21400	16050	-	-	13354	20296	18404	13803	-	-	11484	16520	14980	11235	-	-	9348
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
46	7.8	Q[Btu/h]	25960	23540	17655	-	-	14900	23600	21400	16050	-	-	13546	20296	18404	13803	-	-	11649	16520	14980	11235	-	-	9482
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
42	5.6	Q[Btu/h]	25960	23540	17655	-	-	15112	23600	21400	16050	-	-	13738	20296	18404	13803	-	-	11815	16520	14980	11235	-	-	9616
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
38	3.3	Q[Btu/h]	25960	23540	17655	-	-	15332	23600	21400	16050	-	-	13939	20296	18404	13803	-	-	11987	16520	14980	11235	-	-	9757
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
34	1.1	Q[Btu/h]	25960	23540	17655	-	-	15544	23600	21400	16050	-	-	14131	20296	18404	13803	-	-	12152	16520	14980	11235	-	-	9891
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
30	-1.1	Q[Btu/h]	25960	23540	17655	-	-	15755	23600	21400	16050	-	-	14323	20296	18404	13803	-	-	12318	16520	14980	11235	-	-	10026
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
26	-3.3	Q[Btu/h]	25960	23540	17655	-	-	15966	23600	21400	16050	-	-	14515	20296	18404	13803	-	-	12483	16520	14980	11235	-	-	10160
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
22	-5.6	Q[Btu/h]	25960	23540	17655	-	-	16187	23600	21400	16050	-	-	14716	20296	18404	13803	-	-	12655	16520	14980	11235	-	-	10301
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
18	-7.8	Q[Btu/h]	25960	23540	17655	-	-	16398	23600	21400	16050	-	-	14908	20296	18404	13803	-	-	12820	16520	14980	11235	-	-	10435
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329
14	-10	Q[Btu/h]	25960	23540	17655	-	-	16610	23600	21400	16050	-	-	15100	20296	18404	13803	-	-	12986	16520	14980	11235	-	-	10570
		W	2527	1590	1007	-	-	552	2430	1529	968	-	-	531	2066	1300	823	-	-	451	1507	948	600	-	-	329

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3D24NLHZ-U1

2) HEATING

Rated Q(Btu/h): 25000 W: 2094 **Max.** Q(Btu/h): 30600

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(°C)																			
65	18.3	Q[Btu/h]	28247	23077	17308	-	-	11816	29522	24119	18089	-	-	12349	30600	25000	18750	-	-	12800
		W	4095	2967	2501	-	-	1325	3907	2831	2387	-	-	1264	3757	2722	2295	-	-	1216
60	15.6	Q[Btu/h]	28247	23077	17308	-	-	11816	29522	24119	18089	-	-	12349	30600	25000	18750	-	-	12800
		W	3906	2830	2386	-	-	1264	3727	2700	2276	-	-	1206	3584	2597	2189	-	-	1159
55	12.8	Q[Btu/h]	28247	23077	17308	-	-	11816	29522	24119	18089	-	-	12349	30600	25000	18750	-	-	12800
		W	3738	2709	2283	-	-	1209	3567	2584	2179	-	-	1154	3430	2485	2095	-	-	1110
50	10.0	Q[Btu/h]	28247	23077	17308	-	-	11816	29522	24119	18089	-	-	12349	30600	25000	18750	-	-	12800
		W	3433	2488	2097	-	-	1111	3276	2374	2001	-	-	1060	3150	2282	1924	-	-	1019
45	7.2	Q[Btu/h]	28247	23077	17308	-	-	11816	29522	24119	18089	-	-	12349	30600	25000	18750	-	-	12800
		W	3150	2282	1924	-	-	927	3006	2178	1836	-	-	884	2890	2094	1765	-	-	850
40	4.4	Q[Btu/h]	27231	19337	14503	-	-	13861	28545	20270	15202	-	-	14529	29655	21058	15794	-	-	15095
		W	3286	1805	1522	-	-	1128	3135	1722	1452	-	-	1077	3014	1656	1396	-	-	1035
35	1.7	Q[Btu/h]	26395	19339	14504	-	-	13862	27639	20250	15188	-	-	14515	28745	21060	15795	-	-	15096
		W	3385	2093	1765	-	-	1309	3260	2016	1699	-	-	1260	3134	1938	1634	-	-	1212
30	-1.1	Q[Btu/h]	25528	20413	-	-	-	18687	26731	21375	-	-	-	19568	27800	22230	-	-	-	20350
		W	3519	2201	-	-	-	1398	3389	2120	-	-	-	1346	3259	2038	-	-	-	1294
25	-3.9	Q[Btu/h]	24661	20413	-	-	-	18052	25823	21375	-	-	-	18903	26855	22230	-	-	-	19659
		W	3620	2219	-	-	-	1095	3518	2156	-	-	-	1064	3383	2074	-	-	-	1023
20	-6.7	Q[Btu/h]	23793	20413	-	-	-	17417	24914	21375	-	-	-	18238	25911	22230	-	-	-	18967
		W	3753	2326	-	-	-	866	3647	2260	-	-	-	842	3507	2174	-	-	-	809
15	-9.4	Q[Btu/h]	22957	20413	-	-	-	16805	24038	21375	-	-	-	17597	25000	22230	-	-	-	18301
		W	3881	2433	-	-	-	685	3881	2433	-	-	-	685	3627	2274	-	-	-	640
10	-12.2	Q[Btu/h]	22957	21547	-	-	-	17834	24038	22563	-	-	-	18674	25000	23465	-	-	-	19421
		W	3845	2746	-	-	-	1372	3736	2669	-	-	-	1333	3627	2591	-	-	-	1294
5	-15.0	Q[Btu/h]	22957	21547	-	-	-	17834	24038	22563	-	-	-	18674	25000	23465	-	-	-	19421
		W	3845	2852	-	-	-	1841	3736	2772	-	-	-	1789	3627	2691	-	-	-	1736
0	-17.8	Q[Btu/h]	21799	20833	-	-	-	16926	22826	21825	-	-	-	17732	23739	22698	-	-	-	18441
		W	3555	3200	-	-	-	1927	3455	2960	-	-	-	1782	3354	2667	-	-	-	1606
-5	-20.6	Q[Btu/h]	20640	17856	-	-	-	15988	21613	18754	-	-	-	16793	22477	19502	-	-	-	17461
		W	3490	2720	-	-	-	1671	3391	2643	-	-	-	1624	3292	2566	-	-	-	1576
-10	-23.3	Q[Btu/h]	19524	14879	-	-	-	14318	20444	15683	-	-	-	15093	21261	16305	-	-	-	15691
		W	3442	2614	-	-	-	1648	3345	2540	-	-	-	1601	3247	2466	-	-	-	1555
-15	-26.1	Q[Btu/h]	18365	-	-	-	-	13423	19231	-	-	-	-	14200	20000	-	-	-	-	14760
		W	3076	-	-	-	-	1472	2989	-	-	-	-	1431	2902	-	-	-	-	1389

MXZ-3D30NLHZ - U1

1) COOLING

Rated Q(Btu/h): 28400 W: 2470 **Max.** Q(Btu/h): 30000

Indoor W.B.			72˚F / 22.2˚C						67°F / 19.4°C						64˚F / 17.8˚C						61°F / 16.1°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																									
115	46.1	Q[Btu/h]	25778	22720	17040	11360		- 10955	24811	21868	16401	10934		- 10544	24489	21584	16188	10792		- 10408	22555	19880	14910	9940		- 9586
		W	4379	1927	1220	825		- 1021	4828	2124	1345	909		- 1126	4997	2198	1392	941		- 1165	4716	2075	1313	888		- 1100
110	43.3	Q[Btu/h]	27460	28173	21130	14086		- 11517	25743	26412	19809	13206		- 10797	23806	24424	18318	12212		- 9984	19377	19880	14910	9940		- 8127
		W	4415	2677	1695	1146		- 1019	4643	2816	1782	1205		- 1072	4159	2522	1597	1079		- 960	3095	1877	1188	803		- 714
106	41.1	Q[Btu/h]	29263	29820	22365	14910		- 12153	26476	26980	20235	13490		- 10996	23968	24424	18318	12212		- 9954	19509	19880	14910	9940		- 8102
		W	4619	2816	1782	1205		- 1067	4457	2717	1720	1163		- 1029	3939	2401	1520	1028		- 910	2917	1778	1126	761		- 674
102	38.9	Q[Btu/h]	30043	30104	22578	15052		- 12360	27209	27264	20448	13632		- 11194	24374	24424	18318	12212		- 10028	19840	19880	14910	9940		- 8162
		W	4430	2766	1751	1184		- 1023	4271	2668	1689	1142		- 987	3748	2341	1482	1002		- 866	2768	1729	1094	740		- 640
98	36.7	Q[Btu/h]	30792	30672	23004	15336		- 12555	27941	27832	20874	13916		- 11393	24520	24424	18318	12212		- 9998	19958	19880	14910	9940		- 8138
		W	4436	2668	1689	1142		- 981	4271	2569	1626	1099		- 944	3692	2220	1405	950		- 816	2711	1630	1032	698		- 599
94	34.4	Q[Btu/h]	33000	31240	23430	15620		- 12760	30000	28400	21300	14200		- 11600	25800	24424	18318	12212		- 9976	21000	19880	14910	9940		- 8120
		W	3692	2569	1626	1099		- 936	3550	2470	1564	1057		- 900	3018	2100	1329	899		- 765	2201	1531	969	655		- 558
90	32.2	Q[Btu/h]	33000	31240	23430	15620		- 12833	30000	28400	21300	14200		- 11667	25800	24424	18318	12212		- 10033	21000	19880	14910	9940		- 8167
		W	3536	2470	1564	1057		- 936	3400	2375	1503	1017		- 900	2890	2019	1278	864		- 765	2108	1473	932	630		- 558
86	30	Q[Btu/h]	33000	31240	23430	15620		- 12907	30000	28400	21300	14200		- 11733	25800	24424	18318	12212		- 10091	21000	19880	14910	9940		- 8213
		W	3380	2371	1501	1015		- 936	3250	2280	1443	976		- 900	2763	1938	1227	829		- 765	2015	1414	895	605		- 558
82	27.8	Q[Btu/h]	33000	31240	23430	15620		- 12980	30000	28400	21300	14200		- 11800	25800	24424	18318	12212		- 10148	21000	19880	14910	9940		- 8260
		W	3224	2272	1438	973		- 936	3100	2185	1383	935		- 900	2635	1857	1176	795		- 765	1922	1355	858	580		- 558
78	25.6	Q[Btu/h]	33000	31240	23430	15620		- 13191	30000	28400	21300	14200		- 11992	25800	24424	18318	12212		- 10313	21000	19880	14910	9940		- 8394
		W	3224	2272	1438	973		- 885	3100	2185	1383	935		- 851	2635	1857	1176	795		- 723	1922	1355	858	580		- 527
74	23.3	Q[Btu/h]	33000	31240	23430	15620		- 13412	30000	28400	21300	14200		- 12193	25800	24424	18318	12212		- 10486	21000	19880	14910	9940		- 8535
		W	3224	2272	1438	973		- 831	3100	2185	1383	935		- 799	2635	1857	1176	795		- 679	1922	1355	858	580		- 495
70	21.1	Q[Btu/h]	33000	31240	23430	15620		- 13623	30000	28400	21300	14200		- 12385	25800	24424	18318	12212		- 10651	21000	19880	14910	9940		- 8669
		W	3224	2272	1438	973		- 779	3100	2185	1383	935		- 749	2635	1857	1176	795		- 637	1922	1355	858	580		- 465
66	18.9	Q[Btu/h]	33000	31240	23430	15620		- 13835	30000	28400	21300	14200		- 12577	25800	24424	18318	12212		- 10816	21000	19880	14910	9940		- 8804
		W	3224	2272	1438	973		- 728	3100	2185	1383	935		- 700	2635	1857	1176	795		- 595	1922	1355	858	580		- 434
62	16.7	Q[Btu/h]	33000	31240	23430	15620		- 14046	30000	28400	21300	14200		- 12769	25800	24424	18318	12212		- 10981	21000	19880	14910	9940		- 8938
		W	3224	2272	1438	973		- 677	3100	2185	1383	935		- 651	2635	1857	1176	795		- 553	1922	1355	858	580		- 403
58	14.4	Q[Btu/h]	33000	31240	23430	15620		- 14267	30000	28400	21300	14200		- 12970	25800	24424	18318	12212		- 11154	21000	19880	14910	9940		- 9079
		W	3224	2272	1438	973		- 623	3100	2185	1383	935		- 599	2635	1857	1176	795		- 509	1922	1355	858	580		- 371
54	12.2	Q[Btu/h]	33000	31240	23430	15620		- 14478	30000	28400	21300	14200		- 13162	25800	24424	18318	12212		- 11319	21000	19880	14910	9940		- 9213
		W	3224	2272	1438	973		- 571	3100	2185	1383	935		- 549	2635	1857	1176	795		- 467	1922	1355	858	580		- 341
50	10	Q[Btu/h]	33000	31240	23430	15620		- 14689	30000	28400	21300	14200		- 13354	25800	24424	18318	12212		- 11484	21000	19880	14910	9940		- 9348
		W	3224	2272	1438	973		- 552	3100	2185	1383	935		- 531	2635	1857	1176	795		- 451	1922	1355	858	580		- 329
46	7.8	Q[Btu/h]	33000	31240	23430	15620		- 14900	30000	28400	21300	14200		- 13546	25800	24424	18318	12212		- 11649	21000	19880	14910	9940		- 9482
		W	3224	2272	1438	973		- 552	3100	2185	1383	935		- 531	2635	1857	1176	795		- 451	1922	1355	858	580		- 329
42	5.6	Q[Btu/h]	33000	31240	23430	15620		- 15112	30000	28400	21300	14200		- 13738	25800	24424	18318	12212		- 11815	21000	19880	14910	9940		- 9616
		W	3224	2272	1438	973		- 552	3100	2185	1383	935		- 531	2635	1857	1176	795		- 451	1922	1355	858	580		- 329
38	3.3	Q[Btu/h]	33000	31240	23430	15620		- 15332	30000	28400	21300	14200		- 13939	25800	24424	18318	12212		- 11987	21000	19880	14910	9940		- 9757
		W	3224	2272	1438	973		- 552	3100	2185	1383	935		- 531	2635	1857	1176	795		- 451	1922	1355	858	580		- 329
34	1.1	Q[Btu/h]	33000	31240	23430	15620		- 15544	30000	28400	21300	14200		- 14131	25800	24424	18318	12212		- 12152	21000	19880	14910	9940		- 9891
		W	3224	2272	1438	973		- 552	3100	2185	1383	935		- 531	2635	1857	1176	795		- 451	1922	1355	858	580		- 329
30	-1.1	Q[Btu/h]	33000	31240	23430		-	- 15755	30000	28400	21300		-	- 14323	25800	24424	18318		-	- 12318	21000	19880	14910		-	- 10026
		W	3224	2272	1438		-	- 552	3100	2185	1383		-	- 531	2635	1857	1176		-	- 451	1922	1355	858		-	- 329
26	-3.3	Q[Btu/h]	33000	31240	23430		-	- 15966	30000	28400	21300		-	- 14515	25800	24424	18318		-	- 12483	21000	19880	14910		-	- 10160
		W	3224	2272	1438		-	- 552	3100	2185	1383		-	- 531	2635	1857	1176		-	- 451	1922	1355	858		-	- 329
22	-5.6	Q[Btu/h]	33000	31240	23430		-	- 16187	30000	28400	21300		-	- 14716	25800	24424	18318		-	- 12655	21000	19880	14910		-	- 10301
		W	3224	2272	1438		-	- 552	3100	2185	1383		-	- 531	2635	1857	1176		-	- 451	1922	1355	858		-	- 329
18	-7.8	Q[Btu/h]	33000	31240	23430		-	- 16398	30000	28400	21300		-	- 14908	25800	24424	18318		-	- 12820	21000	19880	14910		-	- 10435
		W	3224	2272	1438		-	- 552	3100	2185	1383		-	- 531	2635	1857	1176		-	- 451	1922	1355	858		-	- 329
14	-10	Q[Btu/h]	33000	31240	23430		-	- 16610	30000	28400	21300		-	- 15100	25800	24424	18318		-	- 12986	21000	19880	14910		-	- 10570
		W	3224	2272	1438		-	- 552	3100	2185	1383		-	- 531	2635	1857	1176		-	- 451	1922	1355	858		-	- 329

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41˚F.

MXZ-3D30NLHZ-U1

2) HEATING

Rated Q(Btu/h): 28600 W: 2395 **Max.** Q(Btu/h): 36000

Indoor D.B.			80˚F / 26.7˚C						70˚F / 21.1˚C						60˚F / 15.6˚C					
Outdoor W.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(˚F)	(˚C)																			
65	18.3	Q[Btu/h]	33231	26400	19800	13200	-	11816	34731	27592	20694	13796	-	12349	36000	28600	21450	14300	-	12800
		W	5328	3394	2861	1812	-	1325	5084	3238	2730	1729	-	1264	4888	3114	2625	1663	-	1216
60	15.6	Q[Btu/h]	33231	26400	19800	13200	-	11816	34731	27592	20694	13796	-	12349	36000	28600	21450	14300	-	12800
		W	5082	3237	2729	1729	-	1264	4849	3089	2604	1649	-	1206	4662	2970	2504	1586	-	1159
55	12.8	Q[Btu/h]	33231	26400	19800	13200	-	11816	34731	27592	20694	13796	-	12349	36000	28600	21450	14300	-	12800
		W	4864	3098	2612	1654	-	1209	4641	2956	2492	1578	-	1154	4462	2842	2396	1518	-	1110
50	10.0	Q[Btu/h]	33231	26400	19800	13200	-	11816	34731	27592	20694	13796	-	12349	36000	28600	21450	14300	-	12800
		W	4467	2845	2399	1519	-	1111	4262	2715	2289	1450	-	1060	4098	2610	2201	1394	-	1019
45	7.2	Q[Btu/h]	33231	26400	19800	13200	-	11816	34731	27592	20694	13796	-	12349	36000	28600	21450	14300	-	12800
		W	4098	2611	2201	1394	-	927	3910	2491	2100	1330	-	884	3760	2395	2019	1279	-	850
40	4.4	Q[Btu/h]	31911	19909	14932	-	-	12475	33450	20870	15652	-	-	13076	34752	21682	16261	-	-	13585
		W	4271	2522	2126	-	-	1379	4075	2407	2029	-	-	1315	3919	2314	1951	-	-	1265
35	1.7	Q[Btu/h]	30806	19911	14933	-	-	12476	32258	20849	15637	-	-	13064	33548	21683	16263	-	-	13586
		W	4397	2925	2466	-	-	1599	4234	2817	2375	-	-	1540	4071	2708	2283	-	-	1480
30	-1.1	Q[Btu/h]	29660	21017	-	-	-	18455	31058	22008	-	-	-	19325	32300	22888	-	-	-	20098
		W	4568	3049	-	-	-	1707	4399	2936	-	-	-	1644	4230	2823	-	-	-	1581
25	-3.9	Q[Btu/h]	28514	21017	-	-	-	17742	29858	22008	-	-	-	18578	31052	22888	-	-	-	19321
		W	4696	3127	-	-	-	1634	4564	3039	-	-	-	1589	4389	2922	-	-	-	1527
20	-6.7	Q[Btu/h]	27368	21017	-	-	-	17029	28657	22008	-	-	-	17831	29804	22888	-	-	-	18544
		W	4865	3250	-	-	-	1579	4729	3159	-	-	-	1535	4547	3037	-	-	-	1476
15	-9.4	Q[Btu/h]	26263	21017	-	-	-	16341	27500	22008	-	-	-	17111	28600	22888	-	-	-	17796
		W	5029	3373	-	-	-	1526	5029	3373	-	-	-	1526	4700	3152	-	-	-	1426
10	-12.2	Q[Btu/h]	26263	22185	-	-	-	17342	27500	23230	-	-	-	18159	28600	24160	-	-	-	18885
		W	4879	3864	-	-	-	1676	4741	3755	-	-	-	1628	4603	3645	-	-	-	1581
5	-15.0	Q[Btu/h]	26263	22185	-	-	-	17342	27500	23230	-	-	-	18159	28600	24160	-	-	-	18885
		W	4776	3986	-	-	-	1765	4641	3873	-	-	-	1715	4506	3760	-	-	-	1665
0	-17.8	Q[Btu/h]	24938	21449	-	-	-	16459	26113	22471	-	-	-	17243	27157	23370	-	-	-	17932
		W	4417	4472	-	-	-	1847	4292	4136	-	-	-	1709	4167	3726	-	-	-	1539
-5	-20.6	Q[Btu/h]	23613	18384	-	-	-	15547	24725	19310	-	-	-	16329	25714	20079	-	-	-	16980
		W	4336	3801	-	-	-	1602	4213	3693	-	-	-	1557	4090	3586	-	-	-	1511
-10	-23.3	Q[Btu/h]	22335	15319	-	-	-	13923	23387	16148	-	-	-	14676	24323	16788	-	-	-	15258
		W	4276	3652	-	-	-	1580	4155	3549	-	-	-	1535	4034	3445	-	-	-	1490
-15	-26.1	Q[Btu/h]	21010	-	-	-	-	13053	22000	-	-	-	-	13808	22880	-	-	-	-	14353
		W	3821	-	-	-	-	1412	3713	-	-	-	-	1372	3605	-	-	-	-	1332

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BUILDING, 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

Issued: Jan. 2025. No. OBD949 REVISED EDITION-A
Published: Sep. 2024. No. OBD949
Made in Japan