

EXHIBIT A

A certain lot or parcel of land with any improvements thereon located on the easterly sideline of Dow Street in the City of Portland, County of Cumberland and State of Maine, being more particularly bounded and described as follows:

Beginning at a point and corner of the easterly sideline of Dow Street which point and corner is also the northwesterly corner of land formerly of Thomas Ingersoll; thence running northerly along the easterly sideline of said Dow Street a distance of 6 feet, more or less, to a point and corner; thence turning and running easterly along other land conveyed by Elizabeth Farthing to Daniel R. Dresser and Donna L. Dresser by deed dated September 14, 1998 and recorded in the Cumberland County Registry of Deeds in Book 14150, Page 231, a distance of 62 feet, more or less, to a point and corner; thence, turning and running south by said land conveyed to Ernest M. Kinney, et al., to Elizabeth Farthing by deed dated January 29, 1998 and recorded in Book 13574, Page 253, a distance of 2 feet, more or less to a point and corner; thence, turning and running easterly by said land of Elizabeth Farthing, a distance of 10 feet more or less, to a point and corner at land formerly of Alvin Kimball; thence turning and running southerly along said land formerly of Kimball a distance of 24 feet, more or less, to a point and corner; thence, turning and running westerly by said land formerly of Ingersoll, a distance of 72 feet, more or less, to a point and corner on the easterly sideline of Dow Street and the point of beginning.

Together with an easement over the entire ground and between the northerly sideline of the above described lot and the southerly side of the three story wood frame structure on the lot immediately to the north of the subject parcel, said easement being for purposes of ingress and egress by foot to the rear entrance of the building on the subject parcel as well as for purposes of erecting ladders, staging and other devices in order to facilitate maintenance work on the building on the subject property including but not limited to painting, window washing, roofing work, siding repairs or replacement and the like. The Grantee must utilize all reasonable efforts to insure that any work does not unreasonably interfere with the burdened premises.

This property is also conveyed subject to a reciprocal easement benefitting the parcel to the north of the subject property which easement encumbers the entire ground area north of the northerly side of the three story wood frame structure on the subject parcel which easement area shall be for ingress and egress by foot to the rear entrance of the building on the lot to the north as well as for purposes of erecting ladders, staging and other devices in order to facilitate maintenance work on the building to the property to the north including but not limited to painting, window washing, roofing work, siding repairs or replacement and the like. The holder of this easement must utilize all reasonable efforts to insure that any such work does not unreasonably interfere with the burdened premises.

Received
Recorded Register of Deeds
Jun 05, 2015 11:52:43A
Cumberland County
Nancy A. Lane

CASE #: ME2310994317703

LOAN #: 208818524

LEGAL DESCRIPTION EXHIBIT A

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF Cumberland, STATE OF Maine, AND IS DESCRIBED AS FOLLOWS:

A CERTAIN LOT OR PARCEL, OF LAND LOCATED ON THE EASTERLY SIDELINE OF DOW STREET IN PORTLAND, COUNTY OF CUMBERLAND AND STATE OF MAINE AND ON THE SOUTHERLY SIDELINE OF HORTON PLACE, PORTLAND, CUMBERLAND COUNTY, MAINE BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE CORNER MARKED BY THE INTERSECTION OF THE SOUTHERLY SIDELINE OF HORTON PLACE, SO-CALLED, AND THE EASTERLY SIDELINE OF DOW STREET IN PORTLAND, MAINE WHICH POINT AND CORNER MARKS THE NORTHWESTERLY CORNER OF A CERTAIN PARCEL OF LAND CONVEYED TO THE GRANTORS HEREIN BY JOHN E. HANNIGAN AND CATHERINE R. HANNIGAN AS DESCRIBED IN A DEED RECORDED IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 4317, PAGE 213;

THENCE, RUNNING SOUTH A DISTANCE OF 21 FEET, MORE OR LESS, ALONG THE EASTERLY SIDELINE OF SAID DOW STREET TO A POINT AND CORNER;

THENCE TURNING AND RUNNING EASTERLY IN A LINE PARALLEL WITH THE SOUTHERLY SIDE OF THE THREE STORY WOOD FRAME STRUCTURE ON THE SUBJECT PARCEL A DISTANCE OF 62 FEET, MORE OR LESS, TO A POINT AND CORNER;

THENCE, TURNING AND RUNNING SOUTHERLY A DISTANCE OF 2 FEET IN A LINE PARALLEL WITH THE EASTERLY SIDE OF DOW STREET TO A POINT AND CORNER,

THENCE, TURNING AND RUNNING EASTERLY A DISTANCE OF 10 FEET, MORE OR LESS, IN A LINE PARALLEL WITH THE SOUTHERLY SIDE OF THE THREE STORY WOOD FRAME STRUCTURE ON THE SUBJECT PARCEL TO A POINT AND CORNER AT LAND FORMERLY OF ALVIN KIMBALL;

THENCE, TURNING AND RUNNING NORTHERLY ALONG SAID LAND FORMERLY OF KIMBALL A DISTANCE OF 21 FEET, MORE OR LESS, TO A POINT AND CORNER ON THE SOUTHERLY SIDELINE OF HORTON PLACE (FORMERLY KNOWN AS HORTON'S COURT);

THENCE, TURNING AND RUNNING WESTERLY ALONG SAID SOUTHERLY SIDELINE OF HORTON PLACE A DISTANCE OF 72 FEET, MORE OR LESS, TO THE INTERSECTION OF THE SOUTHERLY SIDELINE OF HORTON PLACE AND THE EASTERLY SIDELINE OF DOW STREET AND THE POINT OF BEGINNING.

SAID LOT IS CONVEYED TOGETHER WITH AN EASEMENT OVER THE ENTIRE GROUND AREA BETWEEN THE SOUTHERLY SIDELINE OF THE ABOVE DESCRIBED LOT AND THE NORTHERLY SIDE OF THE THREE STORY WOOD FRAME STRUCTURE ON THE LOT IMMEDIATELY TO THE SOUTH OF THE SUBJECT PARCEL SAID EASEMENT BEING FOR PURPOSES OF INGRESS AND EGRESS BY FOOT TO THE REAR ENTRANCE OF THE BUILDING ON THE SUBJECT PARCEL AS WELL AS FOR PURPOSES OF ERECTING LADDERS, STAGING AND OTHER DEVICES IN ORDER TO FACILITATE MAINTENANCE WORK ON THE BUILDING ON THE SUBJECT PROPERTY INCLUDING BUT NOT LIMITED TO PAINTING, WINDOW WASHING, ROOFING WORK, SIDING REPAIRS OR REPLACEMENT AND THE LIKE, THE GRANTEE MUST UTILIZE ALL REASONABLE EFFORTS TO INSURE THAT ANY SUCH WORK DOES NOT UNREASONABLY INTERFERE WITH THE BURDENED PREMISES. SAID EASEMENT SHALL RUN WITH THE LAND AND STILL BENEFIT GRANTEE, ITS SUCCESSORS AND ASSIGNS.

BEING THE SAME PREMISES CONVEYED TO TIMOTHY GEBHARDT AND NIRVANA BASHA BY VIRTUE OF A DEED FROM BRIDGET F. DOXSEE AND JEREMY H. DOXSEE, OF EVEN OR RECENT DATE, TO BE RECORDED IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS HEREWITH.

APN: 055E055001

Legal Description Exhibit A
1C404-XX (08/08)(d/i)

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1481 5/4/2009 75644983/1

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Received
Recorded Register of Deeds
May 08, 2009 11:57:56A
Cumberland County
Pamela E. Lovley

WARNING:

RISK OF ELECTRIC SHOCK. CAN CAUSE INJURY OR DEATH. DISCONNECT ALL REMOTE ELECTRIC POWER SUPPLIES BEFORE SERVICING.

AVERTISSEMENT:

RISQUE DE CHOCS ÉLECTRIQUES. PEUT CAUSER DES BLESSURES ET MÊME ENTRAÎNER LA MORT. COUPER LES SOURCES D' ALIMENTATION À DISTANCE AVANT LE DÉPANNAGE.

DWG NO. SG78G422H02



SPLIT-SYSTEM HEAT PUMP <G>



CONFORMS TO ANSII/UL STD. 1995
CERTIFIED TO CAN/CSA STD. C22.2 NO. 236

MODEL **MXZ-8C48NAHZ**

SERVICE REF. **MXZ-8C48NAHZ**

UNIT SUPPLY

VOLTS	PHASE	Hz	MAX.VOLTAGE	253
208/230	1	60	MIN.VOLTAGE	198

APPROVED FOR HACR BREAKERS OR TIME DELAY FUSES.
BREAKER: 50 AMPS

MAX.FUSE 52 AMPS MIN.CIRCUIT AMPACITY 42

FAN MOTOR

FLA	SCHEMATIC
0.470/4	8C186

COMPRESSOR

FLA	LRA
19.0	22.0

REFRIGERANT R410A

FACTORY CHARGED 4.8 kg/ 10 LBS. 9 OZ.(0 m/ 0 FT)

INSTALLER TO MARK: TOTAL CHARGE LBS. OZ.

DESIGN PRESSURES 4.15 MPa / 601 PSIG HI SIDE
2.21 MPa / 320 PSIG LO SIDE

* SUITABLE FOR OUTDOOR INSTALLATION.

WEIGHT 125 kg/ 276 LBS.

SERIAL NO. 67U03258D



MITSUBISHI ELECTRIC CORPORATION

MADE IN JAPAN

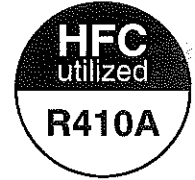
DWG NO. 8208281003



Air-Conditioners OUTDOOR UNIT

MXZ-8C48NA

MXZ-4C36/5C42/8C48NAHZ



INSTALLATION MANUAL

FOR INSTALLER

For safe and correct use, please read this installation manual thoroughly before installing the air-conditioner unit.

English

MANUEL D'INSTALLATION

POUR L'INSTALLATEUR

Veuillez lire le manuel d'installation en entier avant d'installer ce climatiseur pour éviter tout accident et vous assurer d'une utilisation correcte.

Français

MANUAL DE INSTALACIÓN

PARA EL INSTALADOR

Para un uso seguro y correcto, lea detalladamente este manual de instalación antes de montar la unidad de aire acondicionado.

Español

Contents

1. Safety precautions	2	6. Drainage piping work	10
2. Installation diagram & parts	3	7. Electrical work	10
3. Installation location	4	8. Test run	16
4. Installing the outdoor unit	6	9. Special Functions	17
5. Installing the refrigerant piping	6		

Confirmation of parts attached

In addition to this manual, the following parts are supplied with the outdoor unit. They are used for grounding the S terminals of transmission terminal blocks TB3, TB7. For details refer to "7. Electrical work".



Grounding lead wire (× 2)

1. Safety precautions

- ▶ Before installing the unit, make sure you read all the "Safety precautions".
- ▶ Please report to or take consent by the supply authority before connection to the system.

⚠ Warning:
Describes precautions that must be observed to prevent danger of injury or death to the user.

⚠ Caution:
Describes precautions that must be observed to prevent damage to the unit.

- ⚠ Warning:**
- The unit must not be installed by the user. Ask a dealer or an authorized technician to install the unit. If the unit is installed incorrectly, water leakage, electric shock, or fire may result.
 - For installation work, follow the instructions in the Installation Manual and use tools and pipe components specifically made for use with R410A refrigerant.
 - The R410A refrigerant in the HFC system is pressurized 1.6 times the pressure of usual refrigerants. If pipe components not designed for R410A refrigerant are used and the unit is not installed correctly, the pipes may burst and cause damage or injuries. In addition, water leakage, electric shock, or fire may result.
 - The unit must be installed according to the instructions in order to minimize the risk of damage from earthquakes, typhoons, or strong winds. An incorrectly installed unit may fall down and cause damage or injuries.
 - The unit must be securely installed on a structure that can sustain its weight. If the unit is mounted on an unstable structure, it may fall down and cause damage or injuries.
 - If the air conditioner is installed in a small room, measures must be taken to prevent the refrigerant concentration in the room from exceeding the safety limit in the event of refrigerant leakage. Consult a dealer regarding the appropriate measures to prevent the allowable concentration from being exceeded. Should the refrigerant leak and cause the concentration limit to be exceeded, hazards due to lack of oxygen in the room may result.
 - Ventilate the room if refrigerant leaks during operation. If refrigerant comes into contact with a flame, poisonous gases will be released.
 - All electric work must be performed by a qualified technician according to local regulations and the instructions given in this manual. The units must be powered by dedicated power lines and the correct voltage and circuit breakers must be used. Power lines with insufficient capacity or incorrect electrical work may result in electric shock or fire.
 - Be sure to connect the power supply cords and the connecting wires for the indoor units, outdoor units, and branch boxes directly to the units (no intermediate connections).

After installation work has been completed, explain the "Safety Precautions" use, and maintenance of the unit to the customer according to the information in the Operation Manual and perform the test run to ensure normal operation. Both the Installation Manual and Operation Manual must be given to the user for keeping. These manuals must be passed on to subsequent users.

⚡ : Indicates a part which must be grounded.

⚠ Warning:
Carefully read the labels affixed to the main unit.

- Intermediate connections can lead to communication errors if water enters the cords or wires and causes insufficient insulation to ground or a poor electrical contact at the intermediate connection point.
(If an intermediate connection is necessary, be sure to take measures to prevent water from entering the cords and wires.)
- Use C1220 copper phosphorus, for copper and copper alloy seamless pipes, to connect the refrigerant pipes. If the pipes are not connected correctly, the unit will not be properly grounded and electric shock may result.
 - Use only specified cables for wiring. The wiring connections must be made securely with no tension applied on the terminal connections. Also, never splice the cables for wiring (unless otherwise indicated in this document). Failure to observe these instructions may result in overheating or a fire.
 - The terminal block cover panel of the outdoor unit must be firmly attached. If the cover panel is mounted incorrectly and dust and moisture enter the unit, electric shock or fire may result.
 - When installing or relocating, or servicing the outdoor unit, use only the specified refrigerant (R410A) to change 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. The use of any refrigerant other than that specified for the system will cause mechanical failure or system malfunction or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.
 - Use only accessories authorized by Mitsubishi Electric and ask a dealer or an authorized technician to install them. If accessories are incorrectly installed, water leakage, electric shock, or fire may result.
 - Do not alter the unit. Consult a dealer for repairs. If alterations or repairs are not performed correctly, water leakage, electric shock, or fire may result.
 - The user should never attempt to repair the unit or transfer it to another location. If the unit is installed incorrectly, water leakage, electric shock, or fire may result. If the air conditioner must be repaired or moved, ask a dealer or an authorized technician.
 - 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.

1.1. Before installation

- ⚠ Caution:**
- Do not use the unit in an unusual environment. If the air conditioner is installed in areas exposed to steam, volatile oil (including machine oil), or sulfuric gas, areas exposed to high salt content such as the seaside, or areas where the unit will be covered by snow, the performance can be significantly reduced and the internal parts can be damaged.
 - Do not install the unit where combustible gases may leak, be produced, flow, or accumulate. If combustible gas accumulates around the unit, fire or explosion may result.

- The outdoor unit produces condensation during the heating operation. Make sure to provide drainage around the outdoor unit if such condensation is likely to cause damage.
- When installing the unit in a hospital or communications office, be prepared for noise and electronic interference. Inverters, home appliances, high-frequency medical equipment, and radio communications equipment can cause the air conditioner to malfunction or breakdown. The air conditioner may also affect medical equipment, disturbing medical care, and communications equipment, harming the screen display quality.

1.2. Before installation (relocation)

- ⚠ Caution:**
- Be extremely careful when transporting the units. 2 or more persons are needed to handle the unit, as it weighs 20 kg, 44 lbs or more. Do not grasp the packaging bands. Wear protective gloves to remove the unit from the packaging and to move it, as you can injure your hands on the fins or the edge of other parts.
 - Be sure to safely dispose of the packaging materials. Packaging materials, such as nails and other metal or wooden parts may cause stabs or other injuries.

- The base and attachments of the outdoor unit must be periodically checked for looseness, cracks or other damage. If such defects are left uncorrected, the unit may fall down and cause damage or injuries.
- Do not clean the air conditioner unit with water. Electric shock may result.
- Tighten all flare nuts to specification using a torque wrench. If tightened too much, the flare nut can break after an extended period and refrigerant can leak out.

1. Safety precautions

1.3. Before electric work

⚠ Caution:

- Be sure to install circuit breakers. If not installed, electric shock may result.

IMPORTANT

Make sure that the current leakage breaker is one compatible with higher harmonics.

Always use a current leakage breaker that is compatible with higher harmonics as this unit is equipped with an inverter.

The use of an inadequate breaker can cause the incorrect operation of inverter.

- For the power lines, use standard cables of sufficient capacity. Otherwise, a short circuit, overheating, or fire may result.

- When installing the power lines, do not apply tension to the cables. If the connections are loosened, the cables can snap or break and overheating or fire may result.
- Be sure to ground the unit. Do not connect the ground wire to gas or water pipes, lighting rods, or telephone grounding lines. If the unit is not properly grounded, electric shock may result.
- Use circuit breakers (ground fault interrupter, isolating switch (+B fuse), and molded case circuit breaker) with the specified capacity. If the circuit breaker capacity is larger than the specified capacity, breakdown or fire may result.

1.4. Before starting the test run

⚠ Caution:

- Turn on the main power switch more than 12 hours before starting operation. Starting operation just after turning on the power switch can severely damage the internal parts. Keep the main power switch turned on during the operation season.
- Before starting operation, check that all panels, guards and other protective parts are correctly installed. Rotating, hot, or high voltage parts can cause injuries.

- Do not touch any switch with wet hands. Electric shock may result.
- Do not touch the refrigerant pipes with bare hands during operation. The refrigerant pipes are hot or cold depending on the condition of the flowing refrigerant. If you touch the pipes, burns or frostbite may result.
- After stopping operation, be sure to wait at least 5 minutes before turning off the main power switch. Otherwise, water leakage or breakdown may result.

1.5. Using R410A refrigerant air conditioners

⚠ Caution

- Use C1220 copper phosphorus, for copper and copper alloy seamless pipes, to connect the refrigerant pipes. Make sure the insides of the pipes are clean and do not contain any harmful contaminants such as sulfuric compounds, oxidants, debris, or dust. Use pipes with the specified thickness. (Refer to page 6) Note the following if reusing existing pipes that carried R22 refrigerant.
 - Replace the existing flare nuts and flare the flared sections again.
 - Do not use thin pipes. (Refer to page 6)
- Store the pipes to be used during installation indoors and keep both ends of the pipes sealed until just before brazing. (Leave elbow joints, etc. in their packaging.) If dust, debris, or moisture enters the refrigerant lines, oil deterioration or compressor breakdown may result.
- Use ester oil, ether oil, alkylbenzene oil (small amount) as the refrigeration oil applied to the flared sections. If mineral oil is mixed in the refrigeration oil, oil deterioration may result.

- Do not use refrigerant other than R410A refrigerant. If another refrigerant is used, the chlorine will cause the oil to deteriorate.
- Use the following tools specifically designed for use with R410A refrigerant. The following tools are necessary to use R410A refrigerant. Contact your nearest dealer for any questions.

Tools (for R410A)	
Gauge manifold	Flare tool
Charge hose	Size adjustment gauge
Gas leak detector	Vacuum pump adapter
Torque wrench	Electronic refrigerant charging scale

- Be sure to use the correct tools. If dust, debris, or moisture enters the refrigerant lines, refrigeration oil deterioration may result.
- Do not use a charging cylinder. If a charging cylinder is used, the composition of the refrigerant will change and the efficiency will be lowered.

2. Installation diagram & parts

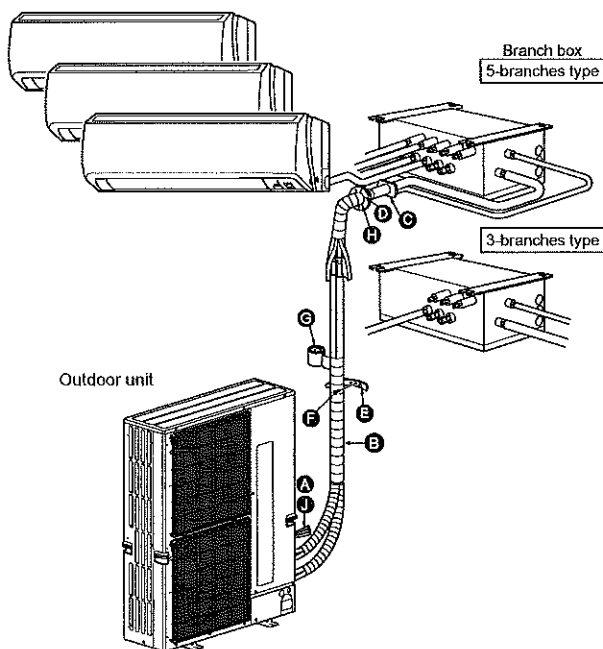


Fig. 2-1

2.1. Before installation (Fig. 2-1)

This installation manual is only for the outdoor unit installation. In installing the indoor units and branch box, refer to the installation manual attached to each unit.

Any structural alterations necessary for the installation must comply with the local building code requirements.

This diagram is intended to show the configuration of accessories. For actual installation, the outdoor unit is to be turned 180°.

Units should be installed by licensed contractor according to local code requirement.

Note:

The dimensions given along the arrows above are required to guarantee the air conditioner's performance. Install the unit in as wide a place as possible for later service or repairs.

Parts to be locally procured

A	Branch box/outdoor unit connecting wire (3-core)	1
B	Extension pipe	1
C	Wall hole sleeve	1
D	Wall hole cover	1
E	Pipe fixing band (The quantity depends on the pipe length.)	2 to 7
F	Fixing screw for E 4 x 20 mm (13/16") (The quantity depends on the pipe length.)	2 to 7
G	Piping tape	1
H	Putty	1
I	Refrigeration oil	1
J	Power supply cord (2-core, Refer to 7.3. Wiring transmission cables)	1

3. Installation location

3.1. Refrigerant pipe

Refer to 5.2. Pipe length and height difference.

3.2. Choosing the outdoor unit installation location

- Avoid locations exposed to direct sunlight or other sources of heat.
- Select a location from which noise emitted by the unit will not inconvenience neighbors.
- Select a location permitting easy wiring and pipe access to the power source and indoor unit.
- Avoid locations where combustible gases may leak, be produced, flow, or accumulate.
- Note that water may drain from the unit during operation.
- Select a level location that can bear the weight and vibration of the unit.
- Avoid locations where the unit can be covered by snow. In areas where heavy snow fall is anticipated, special precautions such as raising the installation location or installing a hood on the air intake must be taken to prevent the snow from blocking the air intake or blowing directly against it. This can reduce the airflow and a malfunction may result.
- Avoid locations exposed to oil, steam, or sulfuric gas.
- Use the transportation handles of the outdoor unit to transport the unit. If the unit is carried from the bottom, hands or fingers may be pinched.

3.3. Outline dimensions (Outdoor unit) (Fig. 3-1)

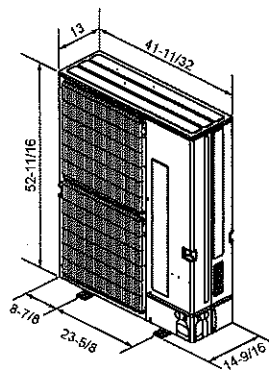


Fig. 3-1

3.4. Constraints on indoor unit and branch box installation

You should note that indoor units that can be connected to this outdoor unit have the following constraints.

- Indoor units with model numbers 06, 09, 12, 15, 18, 24, 30, and 36 can be connected.
- For the number of units that can be connected, refer to Table 1 below.
- The total rated capacity (cooling) of the connected indoors units (refer to Table 2) must not exceed 130% of the outdoor unit capacity (refer to the capacity range of connected units in Table 1).

In addition, up to 2 branch boxes can be connected.

Table 1: Number of units that can be connected and capacity range of connected units

Outdoor unit model name	Number of units that can be connected	Capacity range of connected units
MXZ-4C36	2 – 4* units	12 – 46 kBTU/h
MXZ-5C42	2 – 5* units	12 – 54 kBTU/h
MXZ-8C48	2 – 8* units	12 – 62 kBTU/h

* For the MVZ series, a maximum of 2 units can be connected. However, when 2 MVZ-series units are connected, other indoor units cannot be connected.

Table 2: Rated capacity (cooling) of the indoor units

Model No.	06	09	12	15	18	24	30	36
Rated capacity (Cooling)	6	9	12	15	18	24	30	36

Example: MXZ-8C48

$$\begin{array}{r}
 \text{MSZ-18} = 18 \\
 + \\
 \text{SEZ-12} = 12 \\
 + \\
 \text{SLZ-12} = 12 \\
 + \\
 \text{SLZ-09} = 9 \\
 + \\
 \text{SLZ-09} = 9 \\
 \hline
 \text{Total rated capacity} \\
 60 \leq 62 \text{ kBTU/h}
 \end{array}$$

Combinations in which the total capacity of indoor units exceeds the capacity of the outdoor unit will reduce the cooling capacity of each indoor unit below their rated cooling capacity. Thus, combine indoor units with an outdoor unit within the outdoor unit's capacity, if possible.

3.5. Ventilation and service space

3.5.1. Windy location installation

When installing the outdoor unit on a rooftop or other location unprotected from the wind, situate the air outlet of the unit so that it is not directly exposed to strong winds. Strong wind entering the air outlet may impede the normal airflow and a malfunction may result.

The following shows 3 examples of precautions against strong winds.

- ① Face the air outlet towards the nearest available wall about 50 cm (19-11/16") away from the wall. (Fig. 3-2)
- ② Install an optional air guide if the unit is installed in a location where strong winds from a typhoon, etc. may directly enter the air outlet. (Fig. 3-3)
 - ⓐ Air guide
- ③ Position the unit so that the air outlet blows perpendicularly to the seasonal wind direction, if possible. (Fig. 3-4)
 - ⓐ Wind direction

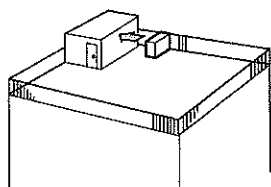


Fig. 3-2

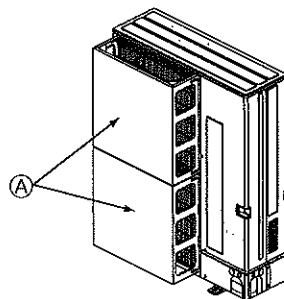


Fig. 3-3

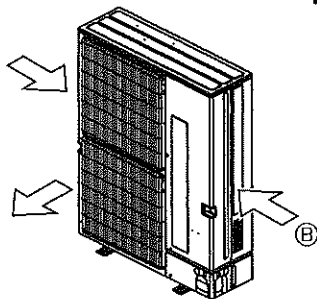


Fig. 3-4

3. Installation location

(inch)

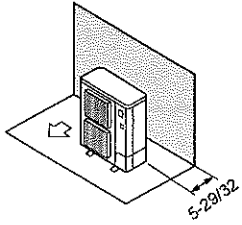


Fig. 3-5

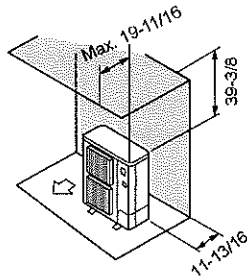


Fig. 3-6

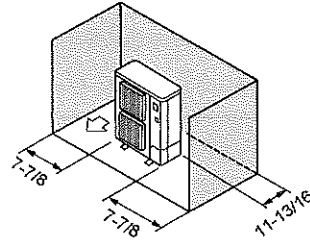


Fig. 3-7

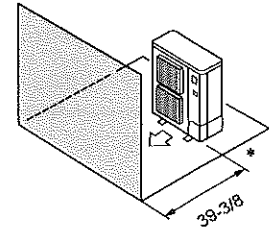


Fig. 3-8

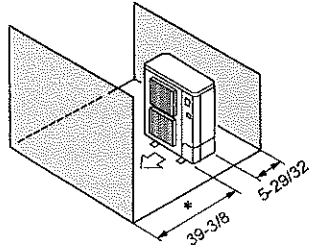


Fig. 3-9

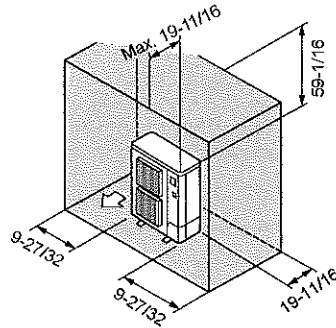


Fig. 3-10

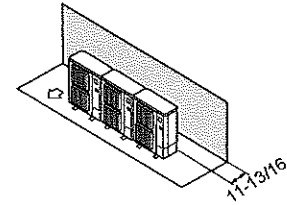


Fig. 3-11

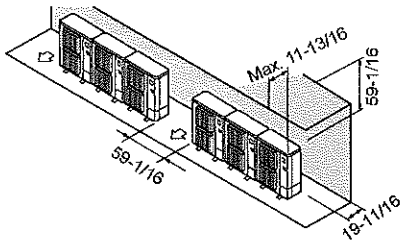


Fig. 3-12

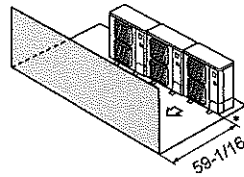


Fig. 3-13

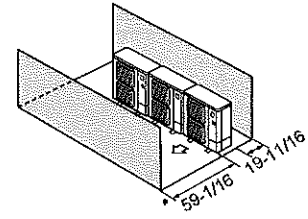


Fig. 3-14

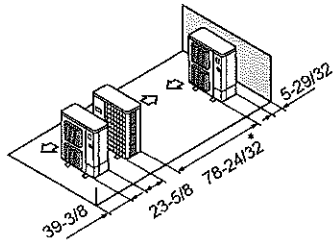


Fig. 3-15

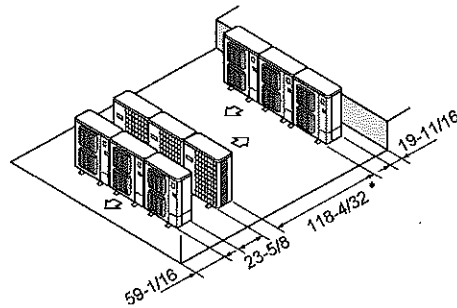


Fig. 3-16

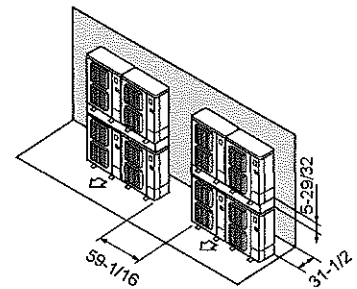


Fig. 3-17

3.5.2. When installing a single outdoor unit

Minimum dimensions are as follows, except for Max., meaning Maximum dimensions, indicated.

Refer to the figures for each case.

- ① Obstacles at rear only (Fig. 3-5)
- ② Obstacles at rear and above only (Fig. 3-6)
- ③ Obstacles at rear and sides only (Fig. 3-7)
- ④ Obstacles at front only (Fig. 3-8)
- * When using the optional air outlet guides, the clearance is 19-11/16" (500 mm) or more.
- ⑥ Obstacles at front and rear only (Fig. 3-9)
- * When using the optional air outlet guides, the clearance is 19-11/16" (500 mm) or more.
- ⑧ Obstacles at rear, sides, and above only (Fig. 3-10)
- Do not install the optional air outlet guides for upward airflow.

3.5.3. When installing multiple outdoor units

Leave 1" (25 mm) space or more between the units.

- ① Obstacles at rear only (Fig. 3-11)
- ② Obstacles at rear and above only (Fig. 3-12)
- No more than 3 units must be installed side by side. In addition, leave space as shown.
- Do not install the optional air outlet guides for upward airflow.
- ③ Obstacles at front only (Fig. 3-13)
- * When using the optional air outlet guides, the clearance is 39-3/8" (1000 mm) or more.
- ④ Obstacles at front and rear only (Fig. 3-14)
- * When using the optional air outlet guides, the clearance is 39-3/8" (1000 mm) or more.
- ⑤ Single parallel unit arrangement (Fig. 3-15)
- * When using the optional air outlet guides installed for upward airflow, the clearance is 39-3/8" (1000 mm) or more.
- ⑥ Multiple parallel unit arrangement (Fig. 3-16)
- * When using the optional air outlet guides installed for upward airflow, the clearance is 59-1/16" (1500 mm) or more.
- ⑦ Stacked unit arrangement (Fig. 3-17)
- The units can be stacked up to 2 units high.
- No more than 2 stacked units must be installed side by side. In addition, leave space as shown.