MITSUBISHI ELECTRIC

SPLIT-TYPE AIR CONDITIONERS

*Changes for the Better*

**Revision H:**
- FAILURE MODE RECALL FUNCTION has been corrected.
- Some descriptions have been modified.

Please void OB407 REVISED EDITION -G.

# OUTDOOR UNIT

# SERVICE MANUAL

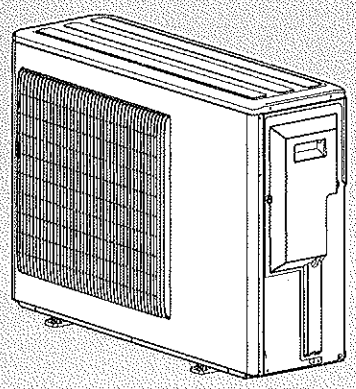
HFC utilized R410A

**No. OB407**
**REVISED EDITION-H**

## Models

**MXY-2A23VA** R1
**MXY-2A23VA** R2
**MXY-3A28VA** R1
**MXY-3A28VA** R2
**MXY-3A28VA** R4
**MXY-3A28VA** R5
**MXY-3A28VA** R6
**MXY-3A28VA** R7
**MXY-4A28VA** R1
**MXY-4A28VA** R2
**MXY-4A28VA** R4
**MXY-4A28VA** R5
**MXY-4A28VA** R6
**MXY-4A28VA** R7

**Indoor unit service manual**
MSXY-GA•VA Series (OB406)
SEZ-KC•VA Series (MEE04K350)
SEZ-KA•VA Series (OC321)
MSXY-FD•VA Series (OBH496)
MSY-GE•VA Series (OBH538)



MXY-2A23VA
MXY-3A28VA
MXY-4A28VA

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**NOTE:**
- RoHS compliant products have <G> mark on the spec name plate.

starMEX

# 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.

**Revision A:**
• INDOOR UNITS COMBINATION has been changed.

**Revision B:**
• MAX REFRIGERANT PIPING LENGTH has been changed.
• RoHS PARTS LIST has been added.

**Revision C:**
• MXY-2A23VA-[R2], MXY-3A28VA-[R2] and MXY-4A28VA-[R2] have been added.

**Revision D:**
• MXY-3A28VA-[R4] and MXY-4A28VA-[R4] have been added.

**Revision E:**
• MXY-3A28VA-[R5] and MXY-4A28VA-[R5] have been added.

**Revision F:**
• MXY-3A28VA-[R6] and MXY-4A28VA-[R6] have been added.

**Revision G:**
• MXY-3A28VA-[R7] and MXY-4A28VA-[R7] have been added.

**Revision H:**
• FAILURE MODE RECALL FUNCTION has been corrected.
• Some descriptions have been modified.

# 1 TECHNICAL CHANGES

**MXY-22SV -P1 → MXY-2A23VA -R1**

1. Refrigerant has been changed. (R22 → R410A)
2. Capacity specification has been changed. (Cooling capacity 6.9kW → 6.0kW)
3. Dimensions of unit have been changed. (W900×H750×D330 → W840×H710×D330)
4. Combinations of connectable indoor units have been changed.
5. Capacity class of connectable indoor units has been changed.
6. Communication system has been changed.
7. Compressor has been changed. (THV247FBA → SNB130FLDH1)
8. Outdoor fan motor has been changed. (RA6V30-BA → RC0J60-AA)
9. Ambient temperature thermistor has been added.
10. New function of dip switch has been added to the controller board for "Lowering the operating noise "mode.

**MXY-24SV -P3 → MXY-3A28VA -R1**
**MXY-26SV -P3 → MXY-4A28VA -R1**

1. Refrigerant has been changed. (R22 → R410A)
2. Dimensions of unit have been changed. (W900×H750×D330 → W840×H710×D330)
3. Combinations of connectable indoor units have been changed.
4. Capacity class of connectable indoor units has been changed.
5. Communication system has been changed.
6. Compressor has been changed. (THV247FBA → SNB130FLDH1)
7. Outdoor fan motor has been changed. (RA6V30-BA → RC0J60-AA)
8. Ambient temperature thermistor has been added.
9. New function of dip switch has been added to the controller board for "Lowering the operating noise "mode.

**MXY-2A23VA -R1 → MXY-2A23VA -R2**

1. Compressor has been changed. (SNB130FLDH1 → SNB130FGBH1)
2. Electronic control P.C. board has been changed.
3. Gas pipe temperature has been removed.
4. Pre-heat control has been added.
5. Power board has been changed.

**MXY-3A28VA -R1 → MXY-3A28VA -R2**

1. Compressor has been changed. (SNB130FLDH1 → SNB130FGBH1)
2. Electronic control P.C. board has been changed.
3. Gas pipe temperature has been removed.
4. Pre-heat control has been added.
5. Power board has been changed.

**MXY-4A28VA -R1 → MXY-4A28VA -R2**

1. Compressor has been changed. (SNB130FLDH1 → SNB130FGBH1)
2. Electronic control P.C. board has been changed.
3. Gas pipe temperature has been removed.
4. Pre-heat control has been added.
5. Power board has been changed.

**MXY-3A28VA -R2 → MXY-3A28VA -R4**
**MXY-4A28VA -R2 → MXY-4A28VA -R4**

1. Electronic control P.C. board has been changed.

**MXY-3A28VA -R4 → MXY-3A28VA -R5**
**MXY-4A28VA -R4 → MXY-4A28VA -R5**

1. Electronic control P.C. board has been changed.
2. Noise filter P.C. board has been changed.
3. Ball valve has been changed to stop valve.
4. Sub panel has been added.

**MXY-3A28VA -R5 → MXY-3A28VA -R6**
**MXY-4A28VA -R5 → MXY-4A28VA -R6**

1. Electronic control P.C. board has been changed.
2. Compressor has been changed. (SNB130FGBH1 → SNB130FGBH1T)

**MXY-3A28VA -R6 → MXY-3A28VA -R7**
**MXY-4A28VA -R6 → MXY-4A28VA -R7**

1. Defrost thermistor has been added.
2. Electronic control P.C. board has been changed.
3. Outdoor fan motor has been changed (RC0J60-AA → RC0J60-CB).
4. Terminal block has been changed.
5. LEV coil has been changed.

## INFORMATION FOR THE AIR CONDITIONER WITH R410A REFRIGERANT

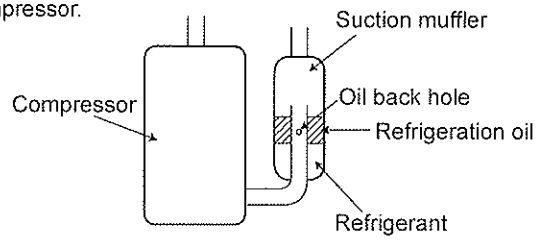
- This room air conditioner adopts HFC refrigerant (R410A) which never destroys the ozone layer.
- Pay particular attention to the following points, though the basic installation procedure is same as that for R22 air conditioners.

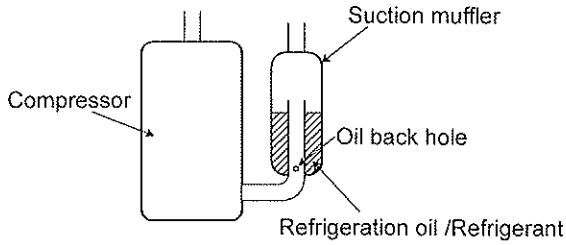
① As R410A has working pressure approximate 1.6 times as high as that of R22, some special tools and piping parts/ materials are required. Refer to the table below.
② Take sufficient care not to allow water and other contaminations to enter the R410A refrigerant during storage and installation, since it is more susceptible to contaminations than R22.
③ For refrigerant piping, use clean, pressure-proof parts/materials specifically designed for R410A. (Refer to 2. Refrigerant piping.)
④ Composition change may occur in R410A since it is a mixed refrigerant. When charging, charge liquid refrigerant to prevent composition change.

| | | New refrigerant | Previous refrigerant |
|---|---|---|---|
| Refrigerant | Refrigerant | R410A | R22 |
| | Composition (Ratio) | HFC-32: HFC-125 (50%:50%) | R22 (100%) |
| | Refrigerant handling | Pseudo-azeotropic refrigerant | Single refrigerant |
| | Chlorine | Not included | Included |
| | Safety group (ASHRAE) | A1/A1 | A1 |
| | Molecular weight | 72.6 | 86.5 |
| | Boiling point (°C) | -51.4 | -40.8 |
| | Steam pressure [25°C](Mpa) | 1.557 | 0.94 |
| | Saturated steam density [25°C](Kg/m³) | 64 | 44.4 |
| | Combustibility | Non combustible | Non combustible |
| | ODP ※1 | 0 | 0.055 |
| | GWP ※2 | 1730 | 1700 |
| | Refrigerant charge method | From liquid phase in cylinder | Gas phase |
| | Additional charge on leakage | Possible | Possible |
| Refrigeration oil | Kind | Incompatible oil | Compatible oil |
| | Color | Non | Light yellow |
| | Smell | Non | Non |

※1:Ozone Depletion Potential : based on CFC-11
※2:Global Warming Potential : based on $CO_2$

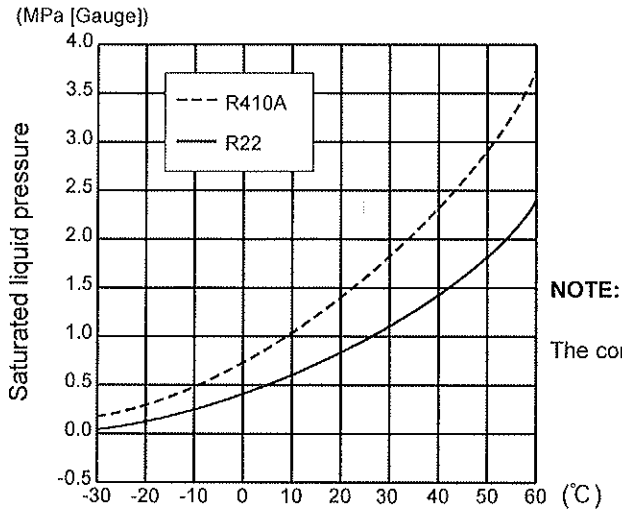
| | New Specification | Current Specification |
|---|---|---|
| Compressor | The incompatible refrigeration oil easily separates from refrigerant and is in the upper layer inside the suction muffler. Raising position of the oil back hole enables to back the refrigeration oil of the upper layer to flow back to the compressor. | Since refrigerant and refrigeration oil are compatible each, refrigeration oil goes back to the compressor through the lower position oil back hole. |




**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1(MPa [Gauge]) = 10.2(kgf/cm² [Gauge])**

Conversion chart of refrigerant temperature and pressure




**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1 (MPa [Gauge]) = 10.2 (kgf/cm² [Gauge])**

## 1. Tools dedicated for the air conditioner with R410A refrigerant

The following tools are required for R410A refrigerant. Some R22 tools can be substituted for R410A tools.
The diameter of the service port on the stop valve in outdoor unit has been changed to prevent any other refrigerant being charged into the unit. Cap size has been changed from 7/16 UNF with 20 threads to 1/2 UNF with 20 threads.

| R410A tools | Can R22 tools be used? | Description |
|---|---|---|
| Gauge manifold | No | R410A has high pressures beyond the measurement range of existing gauges. Port diameters have been changed to prevent any other refrigerant from being charged into the unit. |
| Charge hose | No | Hose material and cap size have been changed to improve the pressure resistance. |
| Gas leak detector | No | Dedicated for HFC refrigerant. |
| Torque wrench | Yes | 6.35 mm and 9.52 mm |
| | No | 12.7 mm and 15.88 mm |
| Flare tool | Yes | Clamp bar hole has been enlarged to reinforce the spring strength in the tool. |
| Flare gauge | New | Provided for flaring work (to be used with R22 flare tool). |
| Vacuum pump adapter | New | Provided to prevent the back flow of oil. This adapter enables you to use vacuum pumps. |
| Electronic scale for refrigerant charging | New | It is difficult to measure R410A with a charging cylinder because the refrigerant bubbles due to high pressure and high-speed vaporization |

No : Not Substitutable for R410A  Yes : Substitutable for R410A

## 2. Refrigerant piping

① Specifications

Use the refrigerant pipes that meet the following specifications.

| Pipe | Outside diameter | Wall thickness | Insulation material |
|---|---|---|---|
| | mm | | |
| For liquid | 6.35/9.52 | 0.8/0.8 | Heat resisting foam plastic<br>Specific gravity 0.045 Thickness 8 mm |
| For gas | 9.52 | 0.8 | |
| | 12.7 | 0.8 | |
| | 15.88 | 1.0 | |

- Use a copper pipe or a copper-alloy seamless pipe with a thickness of 0.8 mm. Never use any pipe with a thickness less than 0.8 mm, as the pressure resistance is insufficient.

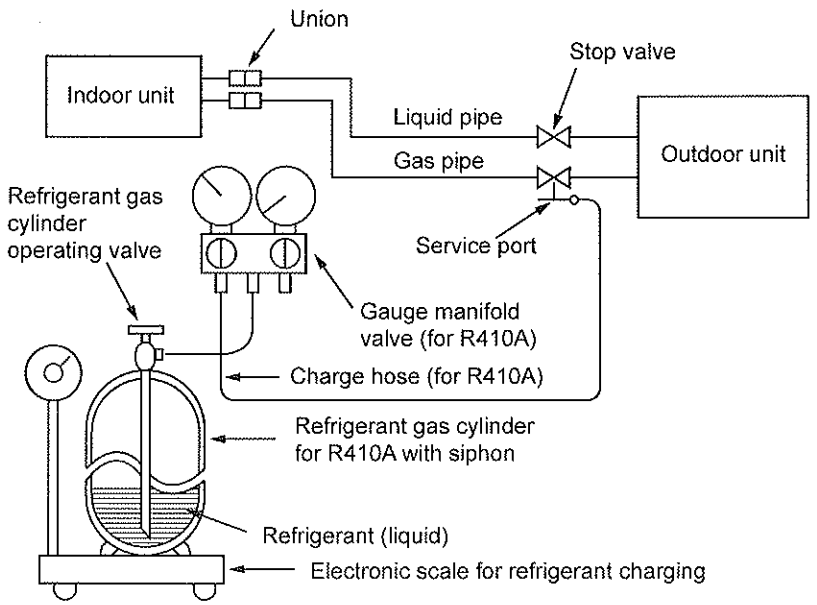
② Flaring work and flare nut
Flaring work for R410A pipe differs from that for R22 pipe.
For details of flaring work, refer to Installation manual "FLARING WORK".

| Pipe diameter | Dimension of flare nut | |
|---|---|---|
| mm | R410A | R22 |
| 6.35 | 17 | 17 |
| 9.52 | 22 | 22 |
| 12.7 | 26 | 24 |
| 15.88 | 29 | 27 |

### 3. Refrigeration oil
Apply the special refrigeration oil (accessories: packed with indoor unit) to the flare and the union seat surfaces.

### 4. Air purge
- Do not discharge the refrigerant into the atmosphere.
  Take care not to discharge refrigerant into the atmosphere during installation, reinstallation, or repairs to the refrigerant circuit.
- Use the vacuum pump for air purging for the purpose of environmental protection.

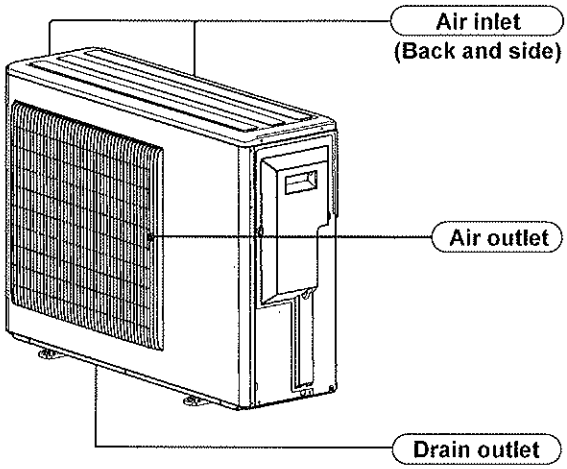
### 5. Additional charge
For additional charging, charge the refrigerant from liquid phase of the gas cylinder.
If the refrigerant is charged from the gas phase, composition change may occur in the refrigerant inside the cylinder and the outdoor unit. In this case, ability of the refrigeration cycle decreases or normal operation can be impossible. However, charging the liquid refrigerant all at once may cause the compressor to be locked. Thus, charge the refrigerant slowly.



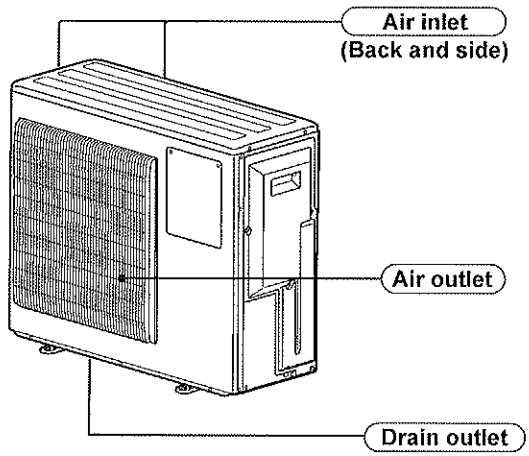
# 2 PART NAMES AND FUNCTIONS

## OUTDOOR UNIT

**MXY-2A23VA-R1, R2**
**MXY-3A28VA-R1, R2, R4**
**MXY-4A28VA-R1, R2, R4**




**MXY-3A28VA-R5, R6, R7**
**MXY-4A28VA-R5, R6, R7**



# 3 INDOOR UNITS COMBINATION

## MXY-2A23VA (Full)

| Indoor units combination | Cooling capacity (kW) | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|
| | Unit A | Unit B | Total | | | |
| 10 | 2.5 | ——— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | ——— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | ——— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | ——— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 10+10 | 2.5 | 2.5 | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | 6.00 (2.0 - 6.8) | 1.610 (0.600 - 2.080) | 7.07 (2.64 - 9.13) | 99 |
| 10+18 | 2.0 | 4.0 | 6.00 (2.0 - 7.3) | 1.600 (0.630 - 2.280) | 7.03 (2.77 - 10.01) | 99 |
| 10+22 | 1.8 | 4.2 | 6.00 (2.0 - 7.3) | 1.580 (0.640 - 2.280) | 6.94 (2.81 - 10.01) | 99 |
| 13+13 | 3.0 | 3.0 | 6.00 (2.0 - 7.0) | 1.610 (0.600 - 2.220) | 7.07 (2.64 - 9.75) | 99 |
| 13+18 | 2.5 | 3.5 | 6.00 (2.0 - 7.3) | 1.580 (0.630 - 2.280) | 6.94 (2.77 - 10.01) | 99 |
| 13+22 | 2.2 | 3.8 | 6.00 (2.0 - 7.3) | 1.570 (0.640 - 2.280) | 6.90 (2.81 - 10.01) | 99 |
| 18+18 | 3.0 | 3.0 | 6.00 (2.0 - 7.4) | 1.560 (0.660 - 2.300) | 6.85 (2.90 - 10.10) | 99 |

## MXY-2A23VA (11A)

| Indoor units combination | Cooling capacity (kW) | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|
| | Unit A | Unit B | Total | | | |
| 10 | 2.5 | ——— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56 ) | 99 |
| 13 | 3.5 | ——— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39 ) | 99 |
| 18 | 5.0 | ——— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20 ) | 99 |
| 22 | 6.0 | ——— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21 ) | 99 |
| 10+10 | 2.5 | 2.5 | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30 ) | 99 |
| 10+13 | 2.5 | 3.5 | 6.00 (2.0 - 6.8) | 1.610 (0.600 - 2.080) | 7.07 (2.64 - 9.13 ) | 99 |
| 10+18 | 2.0 | 4.0 | 6.00 (2.0 - 7.3) | 1.600 (0.630 - 2.280) | 7.03 (2.77 - 10.01 ) | 99 |
| 10+22 | 1.8 | 4.2 | 6.00 (2.0 - 7.3) | 1.580 (0.640 - 2.280) | 6.94 (2.81 - 10.01 ) | 99 |
| 13+13 | 3.0 | 3.0 | 6.00 (2.0 - 7.0) | 1.610 (0.600 - 2.220) | 7.07 (2.64 - 9.75 ) | 99 |
| 13+18 | 2.5 | 3.5 | 6.00 (2.0 - 7.3) | 1.580 (0.630 - 2.280) | 6.94 (2.77 - 10.01 ) | 99 |
| 13+22 | 2.2 | 3.8 | 6.00 (2.0 - 7.3) | 1.570 (0.640 - 2.280) | 6.90 (2.81 - 10.01 ) | 99 |
| 18+18 | 3.0 | 3.0 | 6.00 (2.0 - 7.4) | 1.560 (0.660 - 2.300) | 6.85 (2.90 - 10.10 ) | 99 |

## MXY-2A23VA (8.5A)

| Indoor units combination | Cooling capacity (kW) | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|
| | Unit A | Unit B | Total | | | |
| 10 | 2.5 | ——— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | ——— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | ——— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | ——— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 10+10 | 2.5 | 2.5 | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | 6.00 (2.0 - 6.6) | 1.610 (0.600 - 1.930) | 7.07 (2.64 - 8.48) | 99 |
| 10+18 | 2.0 | 4.0 | 6.00 (2.0 - 6.6) | 1.600 (0.630 - 1.930) | 7.03 (2.77 - 8.48) | 99 |
| 10+22 | 1.8 | 4.2 | 6.00 (2.0 - 6.6) | 1.580 (0.640 - 1.930) | 6.94 (2.81 - 8.48) | 99 |
| 13+13 | 3.0 | 3.0 | 6.00 (2.0 - 6.5) | 1.610 (0.600 - 1.930) | 7.07 (2.64 - 8.48) | 99 |
| 13+18 | 2.5 | 3.5 | 6.00 (2.0 - 6.6) | 1.580 (0.630 - 1.930) | 6.94 (2.77 - 8.48) | 99 |
| 13+22 | 2.2 | 3.8 | 6.00 (2.0 - 6.6) | 1.570 (0.640 - 1.930) | 6.90 (2.81 - 8.48) | 99 |
| 18+18 | 3.0 | 3.0 | 6.00 (2.0 - 6.7) | 1.560 (0.660 - 1.930) | 6.85 (2.90 - 8.48) | 99 |

## MXY-3A28VA-R1, R2 (Full)

| Indoor units combination | Cooling capacity (kW) | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Total | | | |
| 10 | 2.5 | ——— | ——— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | ——— | ——— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | ——— | ——— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | ——— | ——— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 26 | 7.1 | ——— | ——— | 7.10 (1.7 - 7.5) | 2.550 (0.540 - 2.800) | 11.20 (2.37 - 12.30) | 99 |
| 10+10 | 2.5 | 2.5 | ——— | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | ——— | 6.00 (2.0 - 6.8) | 1.610 (0.600 - 2.080) | 7.07 (2.64 - 9.13) | 99 |
| 10+18 | 2.5 | 5.0 | ——— | 7.50 (2.0 - 7.6) | 2.460 (0.630 - 2.560) | 10.80 (2.77 - 11.24) | 99 |
| 10+22 | 2.21 | 5.29 | ——— | 7.50 (2.0 - 7.8) | 2.470 (0.640 - 2.680) | 10.85 (2.81 - 11.77) | 99 |
| 10+26 | 1.95 | 5.55 | ——— | 7.50 (2.0 - 8.1) | 2.470 (0.640 - 2.780) | 10.85 (2.81 - 12.21) | 99 |
| 13+13 | 3.5 | 3.5 | ——— | 7.00 (2.0 - 7.2) | 2.220 (0.600 - 2.360) | 9.75 (2.64 - 10.36) | 99 |
| 13+18 | 3.09 | 4.41 | ——— | 7.50 (2.0 - 7.8) | 2.460 (0.630 - 2.650) | 10.80 (2.77 - 11.64) | 99 |
| 13+22 | 2.76 | 4.74 | ——— | 7.50 (2.0 - 8.0) | 2.470 (0.640 - 2.750) | 10.85 (2.81 - 12.08) | 99 |
| 13+26 | 2.48 | 5.02 | ——— | 7.50 (2.0 - 8.4) | 2.470 (0.640 - 2.900) | 10.85 (2.81 - 12.74) | 99 |
| 18+18 | 3.75 | 3.75 | ——— | 7.50 (2.0 - 8.2) | 2.390 (0.660 - 2.800) | 10.50 (2.90 - 12.30) | 99 |
| 18+22 | 3.41 | 4.09 | ——— | 7.50 (2.0 - 8.4) | 2.360 (0.680 - 2.900) | 10.36 (2.99 - 12.74) | 99 |
| 18+26 | 3.1 | 4.4 | ——— | 7.50 (2.0 - 8.6) | 2.360 (0.680 - 3.000) | 10.36 (2.99 - 13.18) | 99 |
| 22+22 | 3.75 | 3.75 | ——— | 7.50 (2.0 - 8.6) | 2.340 (0.700 - 3.000) | 10.28 (3.07 - 13.18) | 99 |
| 22+26 | 3.44 | 4.06 | ——— | 7.50 (2.0 - 8.6) | 2.340 (0.700 - 3.000) | 10.28 (3.07 - 13.18) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | 7.50 (2.9 - 8.9) | 1.900 (0.790 - 2.520) | 8.34 (3.47 - 11.07) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | 7.50 (2.9 - 8.9) | 1.900 (0.790 - 2.520) | 8.34 (3.47 - 11.07) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | 7.50 (2.9 - 8.9) | 1.920 (0.820 - 2.540) | 8.43 (3.60 - 11.16) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | 7.50 (2.9 - 8.9) | 1.930 (0.830 - 2.550) | 8.48 (3.65 - 11.20) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | 7.50 (2.9 - 8.9) | 1.930 (0.830 - 2.550) | 8.48 (3.65 - 11.20) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | 7.50 (2.9 - 8.9) | 1.900 (0.790 - 2.520) | 8.34 (3.47 - 11.07) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | 7.50 (2.9 - 8.9) | 1.920 (0.820 - 2.540) | 8.43 (3.60 - 11.16) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | 7.50 (2.9 - 8.9) | 1.920 (0.820 - 2.540) | 8.43 (3.60 - 11.16) | 99 |

## MXY-3A28VA-R4, R5, R6, R7 (Full)

| Indoor units combination | Cooling capacity (kW) | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Total | | | |
| 10 | 2.5 | — | — | 2.50 ( 1.4 - 3.5 ) | 0.590 ( 0.450 - 0.850 ) | 2.59 ( 1.98 - 3.73 ) | 99 |
| 13 | 3.5 | — | — | 3.50 ( 1.5 - 4.3 ) | 0.810 ( 0.450 - 1.000 ) | 3.56 ( 1.98 - 4.39 ) | 99 |
| 18 | 5.0 | — | — | 5.00 ( 1.6 - 5.9 ) | 1.230 ( 0.480 - 1.640 ) | 5.40 ( 2.11 - 7.20 ) | 99 |
| 22 | 6.0 | — | — | 6.00 ( 1.6 - 6.6 ) | 1.720 ( 0.540 - 1.950 ) | 7.55 ( 2.37 - 8.56 ) | 99 |
| 26 | 7.1 | — | — | 7.10 ( 1.7 - 7.5 ) | 2.550 ( 0.540 - 2.800 ) | 11.20 ( 2.37 - 12.30 ) | 99 |
| 10+10 | 2.5 | 2.5 | — | 5.00 ( 2.0 - 6.5 ) | 1.280 ( 0.600 - 1.890 ) | 5.62 ( 2.64 - 8.30 ) | 99 |
| 10+13 | 2.5 | 3.5 | — | 6.00 ( 2.0 - 6.8 ) | 1.740 ( 0.600 - 2.060 ) | 7.64 ( 2.64 - 9.05 ) | 99 |
| 10+18 | 2.5 | 4.7 | — | 7.20 ( 2.0 - 7.6 ) | 2.620 ( 0.630 - 2.830 ) | 11.51 ( 2.77 - 12.43 ) | 99 |
| 10+22 | 2.2 | 5.0 | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 10+26 | 2.1 | 5.1 | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 13+13 | 3.5 | 3.5 | — | 7.00 ( 2.0 - 7.4 ) | 2.360 ( 0.600 - 2.590 ) | 10.36 ( 2.64 - 11.37 ) | 99 |
| 13+18 | 3.2 | 4.0 | — | 7.20 ( 2.0 - 7.6 ) | 2.620 ( 0.630 - 2.830 ) | 11.51 ( 2.77 - 12.43 ) | 99 |
| 13+22 | 3.0 | 4.2 | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 13+26 | 2.9 | 4.3 | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 18+18 | 3.6 | 3.6 | — | 7.20 ( 2.0 - 7.5 ) | 2.620 ( 0.660 - 2.840 ) | 11.51 ( 2.90 - 12.47 ) | 99 |
| 18+22 | 3.41 | 4.09 | — | 7.50 ( 2.0 - 8.0 ) | 2.570 ( 0.680 - 2.900 ) | 11.29 ( 2.99 - 12.74 ) | 99 |
| 18+26 | 3.1 | 4.4 | — | 7.50 ( 2.0 - 8.0 ) | 2.570 ( 0.680 - 2.900 ) | 11.29 ( 2.99 - 12.74 ) | 99 |
| 22+22 | 3.75 | 3.75 | — | 7.50 ( 2.0 - 8.4 ) | 2.430 ( 0.700 - 3.000 ) | 10.67 ( 3.07 - 13.18 ) | 99 |
| 22+26 | 3.44 | 4.06 | — | 7.50 ( 2.0 - 8.4 ) | 2.430 ( 0.700 - 3.000 ) | 10.67 ( 3.07 - 13.18 ) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | 7.50 ( 2.9 - 8.9 ) | 2.100 ( 0.790 - 2.880 ) | 9.22 ( 3.47 - 12.65 ) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | 7.50 ( 2.9 - 8.9 ) | 2.100 ( 0.790 - 2.880 ) | 9.22 ( 3.47 - 12.65 ) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.820 - 2.880 ) | 9.13 ( 3.60 - 12.65 ) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | 7.50 ( 2.9 - 8.9 ) | 2.040 ( 0.830 - 2.880 ) | 8.96 ( 3.65 - 12.65 ) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | 7.50 ( 2.9 - 8.9 ) | 2.040 ( 0.830 - 2.880 ) | 8.96 ( 3.65 - 12.65 ) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | 7.50 ( 2.9 - 8.9 ) | 2.100 ( 0.790 - 2.880 ) | 9.22 ( 3.47 - 12.65 ) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.820 - 2.880 ) | 9.13 ( 3.60 - 12.65 ) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | 7.50 ( 2.9 - 8.9 ) | 2.040 ( 0.820 - 2.880 ) | 8.96 ( 3.60 - 12.65 ) | 99 |

## MXY-3A28VA-R1, R2 (11A)

| Indoor units combination | Cooling capacity (kW) | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Total | | | |
| 10 | 2.5 | —— | —— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | —— | —— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | —— | —— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | —— | —— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 26 | 7.0 | —— | —— | 7.0 (1.7 - 7.0) | 2.500 (0.540 - 2.500) | 10.98 (2.37 - 10.98) | 99 |
| 10+10 | 2.5 | 2.5 | —— | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | —— | 6.00 (2.0 - 6.8) | 1.610 (0.600 - 2.080) | 7.07 (2.64 - 9.13) | 99 |
| 10+18 | 2.5 | 5.0 | —— | 7.50 (2.0 - 7.5) | 2.460 (0.630 - 2.460) | 10.80 (2.77 - 10.80) | 99 |
| 10+22 | 2.21 | 5.29 | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 10+26 | 1.95 | 5.55 | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 13+13 | 3.5 | 3.5 | —— | 7.00 (2.0 - 7.2) | 2.220 (0.600 - 2.360) | 9.75 (2.64 - 10.36) | 99 |
| 13+18 | 3.09 | 4.41 | —— | 7.50 (2.0 - 7.5) | 2.460 (0.630 - 2.460) | 10.80 (2.77 - 10.80) | 99 |
| 13+22 | 2.76 | 4.74 | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 13+26 | 2.48 | 5.02 | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 18+18 | 3.75 | 3.75 | —— | 7.50 (2.0 - 7.5) | 2.390 (0.660 - 2.470) | 10.50 (2.90 - 10.85) | 99 |
| 18+22 | 3.41 | 4.09 | —— | 7.50 (2.0 - 7.5) | 2.360 (0.680 - 2.490) | 10.36 (2.99 - 10.94) | 99 |
| 18+26 | 3.1 | 4.4 | —— | 7.50 (2.0 - 7.5) | 2.360 (0.680 - 2.490) | 10.36 (2.99 - 10.94) | 99 |
| 22+22 | 3.75 | 3.75 | —— | 7.50 (2.0 - 7.5) | 2.340 (0.700 - 2.500) | 10.28 (3.07 - 10.98) | 99 |
| 22+26 | 3.44 | 4.06 | —— | 7.50 (2.0 - 7.5) | 2.340 (0.700 - 2.500) | 10.28 (3.07 - 10.98) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | 7.50 (2.9 - 8.8) | 1.900 (0.790 - 2.500) | 8.34 (3.47 - 10.98) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | 7.50 (2.9 - 8.8) | 1.900 (0.790 - 2.500) | 8.34 (3.47 - 10.98) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | 7.50 (2.9 - 8.8) | 1.920 (0.820 - 2.500) | 8.43 (3.60 - 10.98) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | 7.50 (2.9 - 8.8) | 1.930 (0.830 - 2.500) | 8.48 (3.65 - 10.98) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | 7.50 (2.9 - 8.8) | 1.930 (0.830 - 2.500) | 8.48 (3.65 - 10.98) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | 7.50 (2.9 - 8.8) | 1.900 (0.790 - 2.500) | 8.34 (3.47 - 10.98) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | 7.50 (2.9 - 8.8) | 1.920 (0.820 - 2.500) | 8.43 (3.60 - 10.98) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | 7.50 (2.9 - 8.8) | 1.920 (0.820 - 2.500) | 8.43 (3.60 - 10.98) | 99 |

## MXY-3A28VA-R4, R5, R6, R7 (11A)

| Indoor units combination | Cooling capacity (kW) | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Total | | | |
| 10 | 2.5 | —— | —— | 2.50 ( 1.4 - 3.5 ) | 0.590 ( 0.450 - 0.850 ) | 2.59 ( 1.98 - 3.73 ) | 99 |
| 13 | 3.5 | —— | —— | 3.50 ( 1.5 - 4.3 ) | 0.810 ( 0.450 - 1.000 ) | 3.56 ( 1.98 - 4.39 ) | 99 |
| 18 | 5.0 | —— | —— | 5.00 ( 1.6 - 5.9 ) | 1.230 ( 0.480 - 1.640 ) | 5.40 ( 2.11 - 7.20 ) | 99 |
| 22 | 6.0 | —— | —— | 6.00 ( 1.6 - 6.6 ) | 1.720 ( 0.540 - 1.950 ) | 7.55 ( 2.37 - 8.56 ) | 99 |
| 26 | 7.0 | —— | —— | 7.00 ( 1.7 - 7.0 ) | 2.500 ( 0.540 - 2.500 ) | 10.98 ( 2.37 - 10.98 ) | 99 |
| 10+10 | 2.5 | 2.5 | —— | 5.00 ( 2.0 - 6.5 ) | 1.280 ( 0.600 - 1.870 ) | 5.62 ( 2.64 - 8.21 ) | 99 |
| 10+13 | 2.5 | 3.5 | —— | 6.00 ( 2.0 - 6.8 ) | 1.740 ( 0.600 - 2.060 ) | 7.64 ( 2.64 - 9.05 ) | 99 |
| 10+18 | 2.20 | 4.9 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.630 - 2.370 ) | 10.41 ( 2.77 - 10.41 ) | 99 |
| 10+22 | 2.1 | 5.0 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.640 - 2.370 ) | 10.41 ( 2.81 - 10.41 ) | 99 |
| 10+26 | 1.85 | 5.25 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.640 - 2.370 ) | 10.41 ( 2.81 - 10.41 ) | 99 |
| 13+13 | 3.5 | 3.5 | —— | 7.00 ( 2.0 - 7.0 ) | 2.360 ( 0.600 - 2.360 ) | 10.36 ( 2.64 - 10.36 ) | 99 |
| 13+18 | 2.9 | 4.2 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.630 - 2.370 ) | 10.41 ( 2.77 - 10.41 ) | 99 |
| 13+22 | 2.65 | 4.45 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.640 - 2.370 ) | 10.41 ( 2.81 - 10.41 ) | 99 |
| 13+26 | 2.35 | 4.75 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.640 - 2.370 ) | 10.41 ( 2.81 - 10.41 ) | 99 |
| 18+18 | 3.55 | 3.55 | —— | 7.10 ( 2.0 - 7.1 ) | 2.370 ( 0.660 - 2.370 ) | 10.41 ( 2.90 - 10.41 ) | 99 |
| 18+22 | 3.3 | 4.0 | —— | 7.30 ( 2.0 - 7.3 ) | 2.330 ( 0.680 - 2.330 ) | 10.23 ( 2.99 - 10.23 ) | 99 |
| 18+26 | 3.1 | 4.2 | —— | 7.30 ( 2.0 - 7.3 ) | 2.330 ( 0.680 - 2.330 ) | 10.23 ( 2.99 - 10.23 ) | 99 |
| 22+22 | 3.75 | 3.75 | —— | 7.50 ( 2.0 - 7.5 ) | 2.430 ( 0.700 - 2.430 ) | 10.67 ( 3.07 - 10.67 ) | 99 |
| 22+26 | 3.44 | 4.06 | —— | 7.50 ( 2.0 - 7.5 ) | 2.430 ( 0.700 - 2.430 ) | 10.67 ( 3.07 - 10.67 ) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | 7.50 ( 2.9 - 8.5 ) | 2.180 ( 0.760 - 2.500 ) | 9.57 ( 3.34 - 10.98 ) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | 7.50 ( 2.9 - 8.5 ) | 2.180 ( 0.760 - 2.500 ) | 9.57 ( 3.34 - 10.98 ) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | 7.50 ( 2.9 - 8.5 ) | 2.100 ( 0.790 - 2.500 ) | 9.22 ( 3.47 - 10.98 ) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.800 - 2.500 ) | 9.13 ( 3.51 - 10.98 ) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.800 - 2.500 ) | 9.13 ( 3.51 - 10.98 ) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | 7.50 ( 2.9 - 8.5 ) | 2.180 ( 0.760 - 2.500 ) | 9.57 ( 3.34 - 10.98 ) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | 7.50 ( 2.9 - 8.5 ) | 2.100 ( 0.790 - 2.500 ) | 9.22 ( 3.47 - 10.98 ) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.800 - 2.500 ) | 9.13 ( 3.51 - 10.98 ) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.800 - 2.500 ) | 9.13 ( 3.51 - 10.98 ) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.820 - 2.500 ) | 9.13 ( 3.60 - 10.98 ) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | 7.50 ( 2.9 - 8.5 ) | 2.040 ( 0.830 - 2.500 ) | 8.96 ( 3.65 - 10.98 ) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | 7.50 ( 2.9 - 8.5 ) | 2.040 ( 0.830 - 2.500 ) | 8.96 ( 3.65 - 10.98 ) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | 7.50 ( 2.9 - 8.5 ) | 2.180 ( 0.760 - 2.500 ) | 9.57 ( 3.34 - 10.98 ) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | 7.50 ( 2.9 - 8.5 ) | 2.100 ( 0.790 - 2.500 ) | 9.22 ( 3.47 - 10.98 ) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.800 - 2.500 ) | 9.13 ( 3.51 - 10.98 ) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.800 - 2.500 ) | 9.13 ( 3.51 - 10.98 ) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | 7.50 ( 2.9 - 8.5 ) | 2.080 ( 0.820 - 2.500 ) | 9.13 ( 3.60 - 10.98 ) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | 7.50 ( 2.9 - 8.5 ) | 2.040 ( 0.820 - 2.500 ) | 8.96 ( 3.60 - 10.98 ) | 99 |

## MXY-3A28VA-[R1], [R2] (8.5A)

| Indoor units combination | Cooling capacity (kW) | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Total | | | |
| 10 | 2.5 | —— | —— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | —— | —— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | —— | —— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | —— | —— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 26 | 6.7 | —— | —— | 6.70 (1.7 - 6.7) | 1.930 (0.540 - 1.930) | 8.48 (2.37 - 8.48) | 99 |
| 10+10 | 2.5 | 2.5 | —— | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | —— | 6.00 (2.0 - 6.6) | 1.610 (0.600 - 1.930) | 7.07 (2.64 - 8.48) | 99 |
| 10+18 | 2.2 | 4.4 | —— | 6.60 (2.0 - 6.6) | 1.930 (0.630 - 1.930) | 8.48 (2.77 - 8.48) | 99 |
| 10+22 | 1.94 | 4.66 | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 10+26 | 1.72 | 4.88 | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 13+13 | 3.25 | 3.25 | —— | 6.50 (2.0 - 6.5) | 1.930 (0.600 - 1.930) | 8.48 (2.64 - 8.48) | 99 |
| 13+18 | 2.72 | 3.88 | —— | 6.60 (2.0 - 6.6) | 1.930 (0.630 - 1.930) | 8.48 (2.77 - 8.48) | 99 |
| 13+22 | 2.43 | 4.17 | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 13+26 | 2.18 | 4.42 | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 18+18 | 3.35 | 3.35 | —— | 6.70 (2.0 - 6.7) | 1.930 (0.660 - 1.930) | 8.48 (2.90 - 8.48) | 99 |
| 18+22 | 3.05 | 3.65 | —— | 6.70 (2.0 - 6.7) | 1.930 (0.680 - 1.930) | 8.48 (2.99 - 8.48) | 99 |
| 18+26 | 2.8 | 3.9 | —— | 6.70 (2.0 - 6.7) | 1.930 (0.680 - 1.930) | 8.48 (2.99 - 8.48) | 99 |
| 22+22 | 3.35 | 3.35 | —— | 6.70 (2.0 - 6.7) | 1.930 (0.700 - 1.930) | 8.48 (3.07 - 8.48) | 99 |
| 22+26 | 3.07 | 3.63 | —— | 6.70 (2.0 - 6.7) | 1.930 (0.700 - 1.930) | 8.48 (3.07 - 8.48) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | 7.50 (2.9 - 7.5) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | 7.50 (2.9 - 7.5) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | 7.50 (2.9 - 7.5) | 1.920 (0.820 - 1.920) | 8.43 (3.60 - 8.43) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | 7.50 (2.9 - 7.5) | 1.930 (0.830 - 1.930) | 8.48 (3.65 - 8.48) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | 7.50 (2.9 - 7.5) | 1.930 (0.830 - 1.930) | 8.48 (3.65 - 8.48) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | 7.50 (2.9 - 7.5) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | 7.50 (2.9 - 7.5) | 1.920 (0.820 - 1.920) | 8.43 (3.60 - 8.43) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | 7.50 (2.9 - 7.5) | 1.920 (0.820 - 1.920) | 8.43 (3.60 - 8.43) | 99 |

## MXY-3A28VA-R4, R5, R6, R7 (8.5A)

| Indoor units combination | Cooling capacity (kW) | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Total | | | |
| 10 | 2.5 | —— | —— | 2.50 ( 1.4 - 3.5 ) | 0.590 ( 0.450 - 0.850 ) | 2.59 ( 1.98 - 3.73 ) | 99 |
| 13 | 3.5 | —— | —— | 3.50 ( 1.5 - 4.3 ) | 0.810 ( 0.450 - 1.000 ) | 3.56 ( 1.98 - 4.39 ) | 99 |
| 18 | 5.0 | —— | —— | 5.00 ( 1.6 - 5.9 ) | 1.230 ( 0.480 - 1.640 ) | 5.40 ( 2.11 - 7.20 ) | 99 |
| 22 | 6.0 | —— | —— | 6.00 ( 1.6 - 6.6 ) | 1.720 ( 0.540 - 1.950 ) | 7.55 ( 2.37 - 8.56 ) | 99 |
| 26 | 6.7 | —— | —— | 6.70 ( 1.7 - 6.7 ) | 1.930 ( 0.540 - 1.930 ) | 8.48 ( 2.37 - 8.48 ) | 99 |
| 10+10 | 2.5 | 2.5 | —— | 5.00 ( 2.0 - 6.5 ) | 1.280 ( 0.600 - 1.890 ) | 5.62 ( 2.64 - 8.30 ) | 99 |
| 10+13 | 2.5 | 3.5 | —— | 6.00 ( 2.0 - 6.6 ) | 1.740 ( 0.600 - 1.930 ) | 7.64 ( 2.64 - 8.48 ) | 99 |
| 10+18 | 2.25 | 4.45 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.630 - 1.910 ) | 8.39 ( 2.77 - 8.39 ) | 99 |
| 10+22 | 1.99 | 4.71 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.640 - 1.910 ) | 8.39 ( 2.81 - 8.39 ) | 99 |
| 10+26 | 1.77 | 4.93 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.640 - 1.910 ) | 8.39 ( 2.81 - 8.39 ) | 99 |
| 13+13 | 3.35 | 3.35 | —— | 6.70 ( 2.0 - 6.7 ) | 1.930 ( 0.600 - 1.930 ) | 8.48 ( 2.64 - 8.48 ) | 99 |
| 13+18 | 2.77 | 3.93 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.630 - 1.910 ) | 8.39 ( 2.77 - 8.39 ) | 99 |
| 13+22 | 2.48 | 4.22 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.640 - 1.910 ) | 8.39 ( 2.81 - 8.39 ) | 99 |
| 13+26 | 2.23 | 4.47 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.640 - 1.910 ) | 8.39 ( 2.81 - 8.39 ) | 99 |
| 18+18 | 3.35 | 3.35 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.660 - 1.910 ) | 8.39 ( 2.90 - 8.39 ) | 99 |
| 18+22 | 3.05 | 3.65 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.680 - 1.910 ) | 8.39 ( 2.99 - 8.39 ) | 99 |
| 18+26 | 2.8 | 3.9 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.680 - 1.910 ) | 8.39 ( 2.99 - 8.39 ) | 99 |
| 22+22 | 3.35 | 3.35 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.700 - 1.910 ) | 8.39 ( 3.07 - 8.39 ) | 99 |
| 22+26 | 3.07 | 3.63 | —— | 6.70 ( 2.0 - 6.7 ) | 1.910 ( 0.700 - 1.910 ) | 8.39 ( 3.07 - 8.39 ) | 99 |
| 10+10+10 | 2.4 | 2.4 | 2.4 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.760 - 1.900 ) | 8.34 ( 3.34 - 8.34 ) | 99 |
| 10+10+13 | 2.11 | 2.11 | 2.98 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.760 - 1.900 ) | 8.34 ( 3.34 - 8.34 ) | 99 |
| 10+10+18 | 1.78 | 1.78 | 3.64 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.790 - 1.900 ) | 8.34 ( 3.47 - 8.34 ) | 99 |
| 10+10+22 | 1.6 | 1.6 | 4.0 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.800 - 1.900 ) | 8.34 ( 3.51 - 8.34 ) | 99 |
| 10+10+26 | 1.45 | 1.45 | 4.3 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.800 - 1.900 ) | 8.34 ( 3.51 - 8.34 ) | 99 |
| 10+13+13 | 1.88 | 2.66 | 2.66 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.760 - 1.900 ) | 8.34 ( 3.34 - 8.34 ) | 99 |
| 10+13+18 | 1.6 | 2.29 | 3.31 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.790 - 1.900 ) | 8.34 ( 3.47 - 8.34 ) | 99 |
| 10+13+22 | 1.46 | 2.09 | 3.65 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.800 - 1.900 ) | 8.34 ( 3.51 - 8.34 ) | 99 |
| 10+13+26 | 1.34 | 1.90 | 3.96 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.800 - 1.900 ) | 8.34 ( 3.51 - 8.34 ) | 99 |
| 10+18+18 | 1.40 | 2.90 | 2.90 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.820 - 1.900 ) | 8.34 ( 3.60 - 8.34 ) | 99 |
| 10+18+22 | 1.29 | 2.68 | 3.23 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.830 - 1.900 ) | 8.34 ( 3.65 - 8.34 ) | 99 |
| 10+18+26 | 1.18 | 2.47 | 3.55 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.830 - 1.900 ) | 8.34 ( 3.65 - 8.34 ) | 99 |
| 13+13+13 | 2.40 | 2.40 | 2.40 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.760 - 1.900 ) | 8.34 ( 3.34 - 8.34 ) | 99 |
| 13+13+18 | 2.09 | 2.09 | 3.02 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.790 - 1.900 ) | 8.34 ( 3.47 - 8.34 ) | 99 |
| 13+13+22 | 1.92 | 1.92 | 3.36 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.800 - 1.900 ) | 8.34 ( 3.51 - 8.34 ) | 99 |
| 13+13+26 | 1.76 | 1.76 | 3.68 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.800 - 1.900 ) | 8.34 ( 3.51 - 8.34 ) | 99 |
| 13+18+18 | 1.84 | 2.68 | 2.68 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.820 - 1.900 ) | 8.34 ( 3.60 - 8.34 ) | 99 |
| 13+18+22 | 1.72 | 2.48 | 3.00 | 7.20 ( 2.9 - 7.2 ) | 1.900 ( 0.820 - 1.900 ) | 8.34 ( 3.60 - 8.34 ) | 99 |

## MXY-4A28VA-R1, R2 (Full)

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10 | 2.5 | —— | —— | —— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | —— | —— | —— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | —— | —— | —— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | —— | —— | —— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 26 | 7.1 | —— | —— | —— | 7.10 (1.7 - 7.5) | 2.550 (0.540 - 2.800) | 11.20 (2.37 - 12.30) | 99 |
| 10+10 | 2.5 | 2.5 | —— | —— | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | —— | —— | 6.00 (2.0 - 6.8) | 1.610 (0.600 - 2.080) | 7.07 (2.64 - 9.13) | 99 |
| 10+18 | 2.5 | 5.0 | —— | —— | 7.50 (2.0 - 7.6) | 2.460 (0.630 - 2.560) | 10.80 (2.77 - 11.24) | 99 |
| 10+22 | 2.21 | 5.29 | —— | —— | 7.50 (2.0 - 7.8) | 2.470 (0.640 - 2.680) | 10.85 (2.81 - 11.77) | 99 |
| 10+26 | 1.95 | 5.55 | —— | —— | 7.50 (2.0 - 8.1) | 2.470 (0.640 - 2.780) | 10.85 (2.81 - 12.21) | 99 |
| 13+13 | 3.5 | 3.5 | —— | —— | 7.00 (2.0 - 7.2) | 2.220 (0.600 - 2.360) | 9.75 (2.64 - 10.36) | 99 |
| 13+18 | 3.09 | 4.41 | —— | —— | 7.50 (2.0 - 7.8) | 2.460 (0.630 - 2.650) | 10.80 (2.77 - 11.64) | 99 |
| 13+22 | 2.76 | 4.74 | —— | —— | 7.50 (2.0 - 8.0) | 2.470 (0.640 - 2.750) | 10.85 (2.81 - 12.08) | 99 |
| 13+26 | 2.48 | 5.02 | —— | —— | 7.50 (2.0 - 8.4) | 2.470 (0.640 - 2.900) | 10.85 (2.81 - 12.74) | 99 |
| 18+18 | 3.75 | 3.75 | —— | —— | 7.50 (2.0 - 8.2) | 2.390 (0.660 - 2.800) | 10.50 (2.90 - 12.30) | 99 |
| 18+22 | 3.41 | 4.09 | —— | —— | 7.50 (2.0 - 8.4) | 2.360 (0.680 - 2.900) | 10.36 (2.99 - 12.74) | 99 |
| 18+26 | 3.1 | 4.4 | —— | —— | 7.50 (2.0 - 8.6) | 2.360 (0.680 - 3.000) | 10.36 (2.99 - 13.18) | 99 |
| 22+22 | 3.75 | 3.75 | —— | —— | 7.50 (2.0 - 8.6) | 2.340 (0.700 - 3.000) | 10.28 (3.07 - 13.18) | 99 |
| 22+26 | 3.44 | 4.06 | —— | —— | 7.50 (2.0 - 8.6) | 2.340 (0.700 - 3.000) | 10.28 (3.07 - 13.18) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | —— | 7.50 (2.9 - 8.9) | 1.900 (0.790 - 2.520) | 8.34 (3.47 - 11.07) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | —— | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | —— | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | —— | 7.50 (2.9 - 8.9) | 1.900 (0.790 - 2.520) | 8.34 (3.47 - 11.07) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | —— | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | —— | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | —— | 7.50 (2.9 - 8.9) | 1.920 (0.820 - 2.540) | 8.43 (3.60 - 11.16) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | —— | 7.50 (2.9 - 8.9) | 1.930 (0.830 - 2.550) | 8.48 (3.65 - 11.20) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | —— | 7.50 (2.9 - 8.9) | 1.930 (0.830 - 2.550) | 8.48 (3.65 - 11.20) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76 ) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | —— | 7.50 (2.9 - 8.9) | 1.900 (0.790 - 2.520) | 8.34 (3.47 - 11.07) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | —— | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | —— | 7.50 (2.9 - 8.9) | 1.910 (0.800 - 2.530) | 8.39 (3.51 - 11.11) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | —— | 7.50 (2.9 - 8.9) | 1.920 (0.820 - 2.540) | 8.43 (3.60 - 11.16) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | —— | 7.50 (2.9 - 8.9) | 1.920 (0.820 - 2.540) | 8.43 (3.60 - 11.16) | 99 |

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10+10+10+10 | 1.87 | 1.87 | 1.87 | 1.87 | 7.48 (3.7 - 8.9) | 1.730 (0.920 - 2.510) | 7.60 (4.04 - 11.02) | 99 |
| 10+10+10+13 | 1.70 | 1.70 | 1.70 | 2.40 | 7.50 (3.7 - 8.9) | 1.730 (0.920 - 2.510) | 7.60 (4.04 - 11.02) | 99 |
| 10+10+10+18 | 1.50 | 1.50 | 1.50 | 3.00 | 7.50 (3.7 - 8.9) | 1.740 (0.950 - 2.530) | 7.64 (4.17 - 11.11) | 99 |
| 10+10+10+22 | 1.39 | 1.39 | 1.39 | 3.33 | 7.50 (3.7 - 8.9) | 1.740 (0.960 - 2.530) | 7.64 (4.22 - 11.11) | 99 |
| 10+10+10+26 | 1.28 | 1.28 | 1.28 | 3.66 | 7.50 (3.7 - 8.9) | 1.740 (0.960 - 2.530) | 7.64 (4.22 - 11.11) | 99 |
| 10+10+13+13 | 1.56 | 1.56 | 2.19 | 2.19 | 7.50 (3.7 - 8.9) | 1.730 (0.920 - 2.510) | 7.60 (4.04 - 11.02) | 99 |
| 10+10+13+18 | 1.39 | 1.39 | 1.94 | 2.78 | 7.50 (3.7 - 8.9) | 1.740 (0.950 - 2.530) | 7.64 (4.17 - 11.11) | 99 |
| 10+10+13+22 | 1.29 | 1.29 | 1.81 | 3.11 | 7.50 (3.7 - 8.9) | 1.740 (0.950 - 2.530) | 7.64 (4.17 - 11.11) | 99 |
| 10+10+13+26 | 1.20 | 1.20 | 1.68 | 3.42 | 7.50 (3.7 - 8.9) | 1.740 (0.950 - 2.530) | 7.64 (4.17 - 11.11) | 99 |
| 10+13+13+13 | 1.44 | 2.02 | 2.02 | 2.02 | 7.50 (3.7 - 8.9) | 1.730 (0.920 - 2.510) | 7.60 (4.04 - 11.02) | 99 |
| 10+13+13+18 | 1.29 | 1.81 | 1.81 | 2.59 | 7.50 (3.7 - 8.9) | 1.740 (0.950 - 2.530) | 7.64 (4.17 - 11.11) | 99 |
| 13+13+13+13 | 1.87 | 1.87 | 1.87 | 1.87 | 7.48 (3.7 - 8.9) | 1.740 (0.950 - 2.530) | 7.64 (4.17 - 11.11) | 99 |

## MXY-4A28VA-R4, R5, R6, R7 (Full)

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10 | 2.5 | — | — | — | 2.50 ( 1.4 - 3.5 ) | 0.590 ( 0.450 - 0.850 ) | 2.59 ( 1.98 - 3.73 ) | 99 |
| 13 | 3.5 | — | — | — | 3.50 ( 1.5 - 4.3 ) | 0.810 ( 0.450 - 1.000 ) | 3.56 ( 1.98 - 4.39 ) | 99 |
| 18 | 5.0 | — | — | — | 5.00 ( 1.6 - 5.9 ) | 1.230 ( 0.480 - 1.640 ) | 5.40 ( 2.11 - 7.20 ) | 99 |
| 22 | 6.0 | — | — | — | 6.00 ( 1.6 - 6.6 ) | 1.720 ( 0.540 - 1.950 ) | 7.55 ( 2.37 - 8.56 ) | 99 |
| 26 | 7.1 | — | — | — | 7.10 ( 1.7 - 7.5 ) | 2.550 ( 0.540 - 2.800 ) | 11.20 ( 2.37 - 12.30 ) | 99 |
| 10+10 | 2.5 | 2.5 | — | — | 5.00 ( 2.0 - 6.5 ) | 1.280 ( 0.600 - 1.890 ) | 5.62 ( 2.64 - 8.30 ) | 99 |
| 10+13 | 2.5 | 3.5 | — | — | 6.00 ( 2.0 - 6.8 ) | 1.740 ( 0.600 - 2.060 ) | 7.64 ( 2.64 - 9.05 ) | 99 |
| 10+18 | 2.5 | 4.7 | — | — | 7.20 ( 2.0 - 7.6 ) | 2.620 ( 0.630 - 2.830 ) | 11.51 ( 2.77 - 12.43 ) | 99 |
| 10+22 | 2.2 | 5.0 | — | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 10+26 | 2.1 | 5.1 | — | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 13+13 | 3.5 | 3.5 | — | — | 7.00 ( 2.0 - 7.4 ) | 2.360 ( 0.600 - 2.590 ) | 10.36 ( 2.64 - 11.37 ) | 99 |
| 13+18 | 3.2 | 4.0 | — | — | 7.20 ( 2.0 - 7.6 ) | 2.620 ( 0.630 - 2.830 ) | 11.51 ( 2.77 - 12.43 ) | 99 |
| 13+22 | 3.0 | 4.2 | — | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 13+26 | 2.9 | 4.3 | — | — | 7.20 ( 2.0 - 8.2 ) | 2.620 ( 0.640 - 3.220 ) | 11.51 ( 2.81 - 14.14 ) | 99 |
| 18+18 | 3.6 | 3.6 | — | — | 7.20 ( 2.0 - 7.5 ) | 2.620 ( 0.660 - 2.840 ) | 11.51 ( 2.90 - 12.47 ) | 99 |
| 18+22 | 3.41 | 4.09 | — | — | 7.50 ( 2.0 - 8.0 ) | 2.570 ( 0.680 - 2.900 ) | 11.29 ( 2.99 - 12.74 ) | 99 |
| 18+26 | 3.1 | 4.4 | — | — | 7.50 ( 2.0 - 8.0 ) | 2.570 ( 0.680 - 2.900 ) | 11.29 ( 2.99 - 12.74 ) | 99 |
| 22+22 | 3.75 | 3.75 | — | — | 7.50 ( 2.0 - 8.4 ) | 2.430 ( 0.700 - 3.000 ) | 10.67 ( 3.07 - 13.18 ) | 99 |
| 22+26 | 3.44 | 4.06 | — | — | 7.50 ( 2.0 - 8.4 ) | 2.430 ( 0.700 - 3.000 ) | 10.67 ( 3.07 - 13.18 ) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | — | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | — | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | — | 7.50 ( 2.9 - 8.9 ) | 2.100 ( 0.790 - 2.880 ) | 9.22 ( 3.47 - 12.65 ) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | — | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | — | 7.50 ( 2.9 - 8.9 ) | 2.100 ( 0.790 - 2.880 ) | 9.22 ( 3.47 - 12.65 ) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.820 - 2.880 ) | 9.13 ( 3.60 - 12.65 ) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | — | 7.50 ( 2.9 - 8.9 ) | 2.040 ( 0.830 - 2.880 ) | 8.96 ( 3.65 - 12.65 ) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | — | 7.50 ( 2.9 - 8.9 ) | 2.040 ( 0.830 - 2.880 ) | 8.96 ( 3.65 - 12.65 ) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | — | 7.50 ( 2.9 - 8.9 ) | 2.180 ( 0.760 - 2.880 ) | 9.57 ( 3.34 - 12.65 ) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | — | 7.50 ( 2.9 - 8.9 ) | 2.100 ( 0.790 - 2.880 ) | 9.22 ( 3.47 - 12.65 ) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.800 - 2.880 ) | 9.13 ( 3.51 - 12.65 ) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | — | 7.50 ( 2.9 - 8.9 ) | 2.080 ( 0.820 - 2.880 ) | 9.13 ( 3.60 - 12.65 ) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | — | 7.50 ( 2.9 - 8.9 ) | 2.040 ( 0.820 - 2.880 ) | 8.96 ( 3.60 - 12.65 ) | 99 |

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10+10+10+10 | 1.875 | 1.875 | 1.875 | 1.875 | 7.50 ( 3.7 - 8.9 ) | 2.160 ( 0.920 - 2.850 ) | 9.49 ( 4.04 - 12.52 ) | 99 |
| 10+10+10+13 | 1.70 | 1.70 | 1.70 | 2.40 | 7.50 ( 3.7 - 8.9 ) | 2.160 ( 0.920 - 2.850 ) | 9.49 ( 4.04 - 12.52 ) | 99 |
| 10+10+10+18 | 1.50 | 1.50 | 1.50 | 3.00 | 7.50 ( 3.7 - 8.9 ) | 2.080 ( 0.950 - 2.850 ) | 9.13 ( 4.17 - 12.52 ) | 99 |
| 10+10+10+22 | 1.39 | 1.39 | 1.39 | 3.33 | 7.50 ( 3.7 - 8.9 ) | 2.060 ( 0.960 - 2.850 ) | 9.05 ( 4.22 - 12.52 ) | 99 |
| 10+10+10+26 | 1.28 | 1.28 | 1.28 | 3.66 | 7.50 ( 3.7 - 8.9 ) | 2.060 ( 0.960 - 2.850 ) | 9.05 ( 4.22 - 12.52 ) | 99 |
| 10+10+13+13 | 1.56 | 1.56 | 2.19 | 2.19 | 7.50 ( 3.7 - 8.9 ) | 2.160 ( 0.920 - 2.850 ) | 9.49 ( 4.04 - 12.52 ) | 99 |
| 10+10+13+18 | 1.39 | 1.39 | 1.94 | 2.78 | 7.50 ( 3.7 - 8.9 ) | 2.080 ( 0.950 - 2.850 ) | 9.13 ( 4.17 - 12.52 ) | 99 |
| 10+10+13+22 | 1.29 | 1.29 | 1.81 | 3.11 | 7.50 ( 3.7 - 8.9 ) | 2.060 ( 0.950 - 2.850 ) | 9.05 ( 4.17 - 12.52 ) | 99 |
| 10+10+13+26 | 1.20 | 1.20 | 1.68 | 3.42 | 7.50 ( 3.7 - 8.9 ) | 2.060 ( 0.950 - 2.850 ) | 9.05 ( 4.17 - 12.52 ) | 99 |
| 10+13+13+13 | 1.44 | 2.02 | 2.02 | 2.02 | 7.50 ( 3.7 - 8.9 ) | 2.160 ( 0.920 - 2.850 ) | 9.49 ( 4.04 - 12.52 ) | 99 |
| 10+13+13+18 | 1.29 | 1.81 | 1.81 | 2.59 | 7.50 ( 3.7 - 8.9 ) | 2.080 ( 0.950 - 2.850 ) | 9.13 ( 4.17 - 12.52 ) | 99 |
| 13+13+13+13 | 1.875 | 1.875 | 1.875 | 1.875 | 7.50 ( 3.7 - 8.9 ) | 2.160 ( 0.950 - 2.850 ) | 9.49 ( 4.17 - 12.52 ) | 99 |

## MXY-4A28VA-R1, R2 (11A)

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10 | 2.5 | —— | —— | —— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | —— | —— | —— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | —— | —— | —— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | —— | —— | —— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 26 | 7.0 | —— | —— | —— | 7.00 (1.7 - 7.0) | 2.500 (0.540 - 2.500) | 10.98 (2.37 - 10.98) | 99 |
| 10+10 | 2.5 | 2.5 | —— | —— | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | —— | —— | 6.00 (2.0 - 6.8) | 1.610 (0.600 - 2.080) | 7.07 (2.64 - 9.13) | 99 |
| 10+18 | 2.5 | 5.0 | —— | —— | 7.50 (2.0 - 7.5) | 2.460 (0.630 - 2.460) | 10.80 (2.77 - 10.80) | 99 |
| 10+22 | 2.21 | 5.29 | —— | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 10+26 | 1.95 | 5.55 | —— | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 13+13 | 3.5 | 3.5 | —— | —— | 7.00 (2.0 - 7.2) | 2.220 (0.600 - 2.360) | 9.75 (2.64 - 10.36) | 99 |
| 13+18 | 3.09 | 4.41 | —— | —— | 7.50 (2.0 - 7.5) | 2.460 (0.630 - 2.460) | 10.80 (2.77 - 10.80) | 99 |
| 13+22 | 2.76 | 4.74 | —— | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 13+26 | 2.48 | 5.02 | —— | —— | 7.50 (2.0 - 7.5) | 2.470 (0.640 - 2.470) | 10.85 (2.81 - 10.85) | 99 |
| 18+18 | 3.75 | 3.75 | —— | —— | 7.50 (2.0 - 7.5) | 2.390 (0.660 - 2.470) | 10.50 (2.90 - 10.85) | 99 |
| 18+22 | 3.41 | 4.09 | —— | —— | 7.50 (2.0 - 7.5) | 2.360 (0.680 - 2.490) | 10.36 (2.99 - 10.94) | 99 |
| 18+26 | 3.1 | 4.4 | —— | —— | 7.50 (2.0 - 7.5) | 2.360 (0.680 - 2.490) | 10.36 (2.99 - 10.94) | 99 |
| 22+22 | 3.75 | 3.75 | —— | —— | 7.50 (2.0 - 7.5) | 2.340 (0.700 - 2.500) | 10.28 (3.07 - 10.98) | 99 |
| 22+26 | 3.44 | 4.06 | —— | —— | 7.50 (2.0 - 7.5) | 2.340 (0.700 - 2.500) | 10.28 (3.07 - 10.98) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | —— | 7.50 (2.9 - 8.8) | 1.900 (0.790 - 2.500) | 8.34 (3.47 - 10.98) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | —— | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | —— | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | —— | 7.50 (2.9 - 8.8) | 1.900 (0.790 - 2.500) | 8.34 (3.47 - 10.98) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | —— | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | —— | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | —— | 7.50 (2.9 - 8.8) | 1.920 (0.820 - 2.500) | 8.43 (3.60 - 10.98) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | —— | 7.50 (2.9 - 8.8) | 1.930 (0.830 - 2.500) | 8.48 (3.65 - 10.98) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | —— | 7.50 (2.9 - 8.8) | 1.930 (0.830 - 2.500) | 8.48 (3.65 - 10.98) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | —— | 7.50 (2.9 - 8.8) | 1.880 (0.760 - 2.450) | 8.26 (3.34 - 10.76) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | —— | 7.50 (2.9 - 8.8) | 1.900 (0.790 - 2.500) | 8.34 (3.47 - 10.98) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | —— | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | —— | 7.50 (2.9 - 8.8) | 1.910 (0.800 - 2.500) | 8.39 (3.51 - 10.98) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | —— | 7.50 (2.9 - 8.8) | 1.920 (0.820 - 2.500) | 8.43 (3.60 - 10.98) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | —— | 7.50 (2.9 - 8.8) | 1.920 (0.820 - 2.500) | 8.43 (3.60 - 10.98) | 99 |

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10+10+10+10 | 1.87 | 1.87 | 1.87 | 1.87 | 7.48 (3.7 - 8.8) | 1.730 (0.920 - 2.500) | 7.60 (4.04 - 10.98) | 99 |
| 10+10+10+13 | 1.70 | 1.70 | 1.70 | 2.40 | 7.50 (3.7 - 8.8) | 1.730 (0.920 - 2.500) | 7.60 (4.04 - 10.98) | 99 |
| 10+10+10+18 | 1.50 | 1.50 | 1.50 | 3.00 | 7.50 (3.7 - 8.8) | 1.740 (0.950 - 2.500) | 7.64 (4.17 - 10.98) | 99 |
| 10+10+10+22 | 1.39 | 1.39 | 1.39 | 3.33 | 7.50 (3.7 - 8.8) | 1.740 (0.960 - 2.500) | 7.64 (4.22 - 10.98) | 99 |
| 10+10+10+26 | 1.28 | 1.28 | 1.28 | 3.66 | 7.50 (3.7 - 8.8) | 1.740 (0.960 - 2.500) | 7.64 (4.22 - 10.98) | 99 |
| 10+10+13+13 | 1.56 | 1.56 | 2.19 | 2.19 | 7.50 (3.7 - 8.8) | 1.730 (0.920 - 2.500) | 7.60 (4.04 - 10.98) | 99 |
| 10+10+13+18 | 1.39 | 1.39 | 1.94 | 2.78 | 7.50 (3.7 - 8.8) | 1.740 (0.950 - 2.500) | 7.64 (4.17 - 10.98) | 99 |
| 10+10+13+22 | 1.29 | 1.29 | 1.81 | 3.11 | 7.50 (3.7 - 8.8) | 1.740 (0.950 - 2.500) | 7.64 (4.17 - 10.98) | 99 |
| 10+10+13+26 | 1.20 | 1.20 | 1.68 | 3.42 | 7.50 (3.7 - 8.8) | 1.740 (0.950 - 2.500) | 7.64 (4.17 - 10.98) | 99 |
| 10+13+13+13 | 1.44 | 2.02 | 2.02 | 2.02 | 7.50 (3.7 - 8.8) | 1.730 (0.920 - 2.500) | 7.60 (4.04 - 10.98) | 99 |
| 10+13+13+18 | 1.29 | 1.81 | 1.81 | 2.59 | 7.50 (3.7 - 8.8) | 1.740 (0.950 - 2.500) | 7.64 (4.17 - 10.98) | 99 |
| 13+13+13+13 | 1.87 | 1.87 | 1.87 | 1.87 | 7.48 (3.7 - 8.8) | 1.740 (0.950 - 2.500) | 7.64 (4.17 - 10.98) | 99 |

## MXY-4A28VA-R4, R6, R6, R7 (11A)

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10 | 2.5 | — | — | — | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.850) | 2.59 (1.98 - 3.73) | 99 |
| 13 | 3.5 | — | — | — | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | — | — | — | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | — | — | — | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.950) | 7.55 (2.37 - 8.56) | 99 |
| 26 | 7.0 | — | — | — | 7.00 (1.7 - 7.0) | 2.500 (0.540 - 2.500) | 10.98 (2.37 - 10.98) | 99 |
| 10+10 | 2.5 | 2.5 | — | — | 5.00 (2.0 - 6.5) | 1.280 (0.600 - 1.870) | 5.62 (2.64 - 8.21) | 99 |
| 10+13 | 2.5 | 3.5 | — | — | 6.00 (2.0 - 6.8) | 1.740 (0.600 - 2.060) | 7.64 (2.64 - 9.05) | 99 |
| 10+18 | 2.20 | 4.9 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.630 - 2.370) | 10.41 (2.77 - 10.41) | 99 |
| 10+22 | 2.1 | 5.0 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.640 - 2.370) | 10.41 (2.81 - 10.41) | 99 |
| 10+26 | 1.85 | 5.25 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.640 - 2.370) | 10.41 (2.81 - 10.41) | 99 |
| 13+13 | 3.5 | 3.5 | — | — | 7.00 (2.0 - 7.0) | 2.360 (0.600 - 2.360) | 10.36 (2.64 - 10.36) | 99 |
| 13+18 | 2.9 | 4.2 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.630 - 2.370) | 10.41 (2.77 - 10.41) | 99 |
| 13+22 | 2.65 | 4.45 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.640 - 2.370) | 10.41 (2.81 - 10.41) | 99 |
| 13+26 | 2.35 | 4.75 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.640 - 2.370) | 10.41 (2.81 - 10.41) | 99 |
| 18+18 | 3.55 | 3.55 | — | — | 7.10 (2.0 - 7.1) | 2.370 (0.660 - 2.370) | 10.41 (2.90 - 10.41) | 99 |
| 18+22 | 3.3 | 4.0 | — | — | 7.30 (2.0 - 7.3) | 2.330 (0.680 - 2.330) | 10.23 (2.99 - 10.23) | 99 |
| 18+26 | 3.1 | 4.2 | — | — | 7.30 (2.0 - 7.3) | 2.330 (0.680 - 2.330) | 10.23 (2.99 - 10.23) | 99 |
| 22+22 | 3.75 | 3.75 | — | — | 7.50 (2.0 - 7.5) | 2.430 (0.700 - 2.430) | 10.67 (3.07 - 10.67) | 99 |
| 22+26 | 3.44 | 4.06 | — | — | 7.50 (2.0 - 7.5) | 2.430 (0.700 - 2.430) | 10.67 (3.07 - 10.67) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | — | 7.50 (2.9 - 8.5) | 2.180 (0.760 - 2.500) | 9.57 (3.34 - 10.98) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | — | 7.50 (2.9 - 8.5) | 2.180 (0.760 - 2.500) | 9.57 (3.34 - 10.98) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | — | 7.50 (2.9 - 8.5) | 2.100 (0.790 - 2.500) | 9.22 (3.47 - 10.98) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | — | 7.50 (2.9 - 8.5) | 2.080 (0.800 - 2.500) | 9.13 (3.51 - 10.98) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | — | 7.50 (2.9 - 8.5) | 2.080 (0.800 - 2.500) | 9.13 (3.51 - 10.98) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | — | 7.50 (2.9 - 8.5) | 2.180 (0.760 - 2.500) | 9.57 (3.34 - 10.98) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | — | 7.50 (2.9 - 8.5) | 2.100 (0.790 - 2.500) | 9.22 (3.47 - 10.98) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | — | 7.50 (2.9 - 8.5) | 2.080 (0.800 - 2.500) | 9.13 (3.51 - 10.98) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | — | 7.50 (2.9 - 8.5) | 2.080 (0.800 - 2.500) | 9.13 (3.51 - 10.98) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | — | 7.50 (2.9 - 8.5) | 2.080 (0.820 - 2.500) | 9.13 (3.60 - 10.98) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | — | 7.50 (2.9 - 8.5) | 2.040 (0.830 - 2.500) | 8.96 (3.65 - 10.98) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | — | 7.50 (2.9 - 8.5) | 2.040 (0.830 - 2.500) | 8.96 (3.65 - 10.98) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | — | 7.50 (2.9 - 8.5) | 2.180 (0.760 - 2.500) | 9.57 (3.34 - 10.98) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | — | 7.50 (2.9 - 8.5) | 2.100 (0.790 - 2.500) | 9.22 (3.47 - 10.98) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | — | 7.50 (2.9 - 8.5) | 2.080 (0.800 - 2.500) | 9.13 (3.51 - 10.98) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | — | 7.50 (2.9 - 8.5) | 2.080 (0.800 - 2.500) | 9.13 (3.51 - 10.98) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | — | 7.50 (2.9 - 8.5) | 2.080 (0.820 - 2.500) | 9.13 (3.60 - 10.98) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | — | 7.50 (2.9 - 8.5) | 2.040 (0.820 - 2.500) | 8.96 (3.60 - 10.98) | 99 |

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10+10+10+10 | 1.87 | 1.87 | 1.87 | 1.87 | 7.50 ( 3.7 - 8.6 ) | 2.160 (0.920 - 2.500) | 9.49 (4.04 - 10.98) | 99 |
| 10+10+10+13 | 1.70 | 1.70 | 1.70 | 2.40 | 7.50 ( 3.7 - 8.6 ) | 2.160 (0.920 - 2.500) | 9.49 (4.04 - 10.98) | 99 |
| 10+10+10+18 | 1.50 | 1.50 | 1.50 | 3.00 | 7.50 ( 3.7 - 8.6 ) | 2.080 (0.950 - 2.500) | 9.13 (4.17 - 10.98) | 99 |
| 10+10+10+22 | 1.39 | 1.39 | 1.39 | 3.33 | 7.50 ( 3.7 - 8.6 ) | 2.060 (0.960 - 2.500) | 9.05 (4.22 - 10.98) | 99 |
| 10+10+10+26 | 1.28 | 1.28 | 1.28 | 3.66 | 7.50 ( 3.7 - 8.6 ) | 2.060 (0.960 - 2.500) | 9.05 (4.22 - 10.98) | 99 |
| 10+10+13+13 | 1.56 | 1.56 | 2.19 | 2.19 | 7.50 ( 3.7 - 8.6 ) | 2.160 (0.920 - 2.500) | 9.49 (4.04 - 10.98) | 99 |
| 10+10+13+18 | 1.39 | 1.39 | 1.94 | 2.78 | 7.50 ( 3.7 - 8.6 ) | 2.080 (0.950 - 2.500) | 9.13 (4.17 - 10.98) | 99 |
| 10+10+13+22 | 1.29 | 1.29 | 1.81 | 3.11 | 7.50 ( 3.7 - 8.6 ) | 2.060 (0.950 - 2.500) | 9.05 (4.17 - 10.98) | 99 |
| 10+10+13+26 | 1.20 | 1.20 | 1.68 | 3.42 | 7.50 ( 3.7 - 8.6 ) | 2.060 (0.950 - 2.500) | 9.05 (4.17 - 10.98) | 99 |
| 10+13+13+13 | 1.44 | 2.02 | 2.02 | 2.02 | 7.50 ( 3.7 - 8.6 ) | 2.160 (0.920 - 2.500) | 9.49 (4.04 - 10.98) | 99 |
| 10+13+13+18 | 1.29 | 1.81 | 1.81 | 2.59 | 7.50 ( 3.7 - 8.6 ) | 2.080 (0.950 - 2.500) | 9.13 (4.17 - 10.98) | 99 |
| 13+13+13+13 | 1.87 | 1.87 | 1.87 | 1.87 | 7.50 ( 3.7 - 8.6 ) | 2.160 (0.950 - 2.500) | 9.49 (4.17 - 10.98) | 99 |

## MXY-4A28VA-[R1], [R2] (8.5A)

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10 | 2.5 | —— | —— | —— | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.810) | 2.59 (1.98 - 3.56) | 99 |
| 13 | 3.5 | —— | —— | —— | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | —— | —— | —— | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | —— | —— | —— | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.870) | 7.55 (2.37 - 8.21) | 99 |
| 26 | 6.7 | —— | —— | —— | 6.70 (1.7 - 6.7) | 1.930 (0.540 - 1.930) | 8.48 (2.37 - 8.48) | 99 |
| 10+10 | 2.5 | 2.5 | —— | —— | 5.00 (2.0 - 6.5) | 1.180 (0.600 - 1.890) | 5.18 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | —— | —— | 6.00 (2.0 - 6.6) | 1.610 (0.600 - 1.930) | 7.07 (2.64 - 8.48) | 99 |
| 10+18 | 2.2 | 4.4 | —— | —— | 6.60 (2.0 - 6.6) | 1.930 (0.630 - 1.930) | 8.48 (2.77 - 8.48) | 99 |
| 10+22 | 1.94 | 4.66 | —— | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 10+26 | 1.72 | 4.88 | —— | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 13+13 | 3.25 | 3.25 | —— | —— | 6.50 (2.0 - 6.5) | 1.930 (0.600 - 1.930) | 8.48 (2.64 - 8.48) | 99 |
| 13+18 | 2.72 | 3.88 | —— | —— | 6.60 (2.0 - 6.6) | 1.930 (0.630 - 1.930) | 8.48 (2.77 - 8.48) | 99 |
| 13+22 | 2.43 | 4.17 | —— | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 13+26 | 2.18 | 4.42 | —— | —— | 6.60 (2.0 - 6.6) | 1.930 (0.640 - 1.930) | 8.48 (2.81 - 8.48) | 99 |
| 18+18 | 3.35 | 3.35 | —— | —— | 6.70 (2.0 - 6.7) | 1.930 (0.660 - 1.930) | 8.48 (2.90 - 8.48) | 99 |
| 18+22 | 3.05 | 3.65 | —— | —— | 6.70 (2.0 - 6.7) | 1.930 (0.680 - 1.930) | 8.48 (2.99 - 8.48) | 99 |
| 18+26 | 2.8 | 3.9 | —— | —— | 6.70 (2.0 - 6.7) | 1.930 (0.680 - 1.930) | 8.48 (2.99 - 8.48) | 99 |
| 22+22 | 3.35 | 3.35 | —— | —— | 6.70 (2.0 - 6.7) | 1.930 (0.700 - 1.930) | 8.48 (3.07 - 8.48) | 99 |
| 22+26 | 3.07 | 3.63 | —— | —— | 6.70 (2.0 - 6.7) | 1.930 (0.700 - 1.930) | 8.48 (3.07 - 8.48) | 99 |
| 10+10+10 | 2.5 | 2.5 | 2.5 | —— | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 10+10+13 | 2.21 | 2.21 | 3.08 | —— | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 10+10+18 | 1.88 | 1.88 | 3.74 | —— | 7.50 (2.9 - 7.5) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 10+10+22 | 1.7 | 1.7 | 4.1 | —— | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+10+26 | 1.55 | 1.55 | 4.4 | —— | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+13+13 | 1.98 | 2.76 | 2.76 | —— | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 10+13+18 | 1.7 | 2.39 | 3.41 | —— | 7.50 (2.9 - 7.5) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 10+13+22 | 1.56 | 2.19 | 3.75 | —— | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+13+26 | 1.44 | 2.00 | 4.06 | —— | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 10+18+18 | 1.50 | 3.00 | 3.00 | —— | 7.50 (2.9 - 7.5) | 1.920 (0.820 - 1.920) | 8.43 (3.60 - 8.43) | 99 |
| 10+18+22 | 1.39 | 2.78 | 3.33 | —— | 7.50 (2.9 - 7.5) | 1.930 (0.830 - 1.930) | 8.48 (3.65 - 8.48) | 99 |
| 10+18+26 | 1.28 | 2.57 | 3.65 | —— | 7.50 (2.9 - 7.5) | 1.930 (0.830 - 1.930) | 8.48 (3.65 - 8.48) | 99 |
| 13+13+13 | 2.50 | 2.50 | 2.50 | —— | 7.50 (2.9 - 7.5) | 1.880 (0.760 - 1.880) | 8.26 (3.34 - 8.26) | 99 |
| 13+13+18 | 2.19 | 2.19 | 3.12 | —— | 7.50 (2.9 - 7.5) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 13+13+22 | 2.02 | 2.02 | 3.46 | —— | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 13+13+26 | 1.86 | 1.86 | 3.78 | —— | 7.50 (2.9 - 7.5) | 1.910 (0.800 - 1.910) | 8.39 (3.51 - 8.39) | 99 |
| 13+18+18 | 1.94 | 2.78 | 2.78 | —— | 7.50 (2.9 - 7.5) | 1.920 (0.820 - 1.920) | 8.43 (3.60 - 8.43) | 99 |
| 13+18+22 | 1.82 | 2.58 | 3.10 | —— | 7.50 (2.9 - 7.5) | 1.920 (0.820 - 1.920) | 8.43 (3.60 - 8.43) | 99 |

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current (A) | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10+10+10+10 | 1.87 | 1.87 | 1.87 | 1.87 | 7.48 (3.7 - 8.0) | 1.730 (0.920 - 1.930) | 7.60 (4.04 - 8.48) | 99 |
| 10+10+10+13 | 1.70 | 1.70 | 1.70 | 2.40 | 7.50 (3.7 - 8.0) | 1.730 (0.920 - 1.930) | 7.60 (4.04 - 8.48) | 99 |
| 10+10+10+18 | 1.50 | 1.50 | 1.50 | 3.00 | 7.50 (3.7 - 8.0) | 1.740 (0.950 - 1.930) | 7.64 (4.17 - 8.48) | 99 |
| 10+10+10+22 | 1.39 | 1.39 | 1.39 | 3.33 | 7.50 (3.7 - 8.0) | 1.740 (0.960 - 1.930) | 7.64 (4.22 - 8.48) | 99 |
| 10+10+10+26 | 1.28 | 1.28 | 1.28 | 3.66 | 7.50 (3.7 - 8.0) | 1.740 (0.960 - 1.930) | 7.64 (4.22 - 8.48) | 99 |
| 10+10+13+13 | 1.56 | 1.56 | 2.19 | 2.19 | 7.50 (3.7 - 8.0) | 1.730 (0.920 - 1.930) | 7.60 (4.04 - 8.48) | 99 |
| 10+10+13+18 | 1.39 | 1.39 | 1.94 | 2.78 | 7.50 (3.7 - 8.0) | 1.740 (0.950 - 1.930) | 7.64 (4.17 - 8.48) | 99 |
| 10+10+13+22 | 1.29 | 1.29 | 1.81 | 3.11 | 7.50 (3.7 - 8.0) | 1.740 (0.950 - 1.930) | 7.64 (4.17 - 8.48) | 99 |
| 10+10+13+26 | 1.20 | 1.20 | 1.68 | 3.42 | 7.50 (3.7 - 8.0) | 1.740 (0.950 - 1.930) | 7.64 (4.17 - 8.48) | 99 |
| 10+13+13+13 | 1.44 | 2.02 | 2.02 | 2.02 | 7.50 (3.7 - 8.0) | 1.730 (0.920 - 1.930) | 7.60 (4.04 - 8.48) | 99 |
| 10+13+13+18 | 1.29 | 1.81 | 1.81 | 2.59 | 7.50 (3.7 - 8.0) | 1.740 (0.950 - 1.930) | 7.64 (4.17 - 8.48) | 99 |
| 13+13+13+13 | 1.87 | 1.87 | 1.87 | 1.87 | 7.48 (3.7 - 8.0) | 1.740 (0.950 - 1.930) | 7.64 (4.17 - 8.48) | 99 |

## MXY-4A28VA-R4, R5, R6, R7 (8.5A)

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10 | 2.5 | — | — | — | 2.50 (1.4 - 3.5) | 0.590 (0.450 - 0.850) | 2.59 (1.98 - 3.73) | 99 |
| 13 | 3.5 | — | — | — | 3.50 (1.5 - 4.3) | 0.810 (0.450 - 1.000) | 3.56 (1.98 - 4.39) | 99 |
| 18 | 5.0 | — | — | — | 5.00 (1.6 - 5.9) | 1.230 (0.480 - 1.640) | 5.40 (2.11 - 7.20) | 99 |
| 22 | 6.0 | — | — | — | 6.00 (1.6 - 6.6) | 1.720 (0.540 - 1.950) | 7.55 (2.37 - 8.56) | 99 |
| 26 | 6.7 | — | — | — | 6.70 (1.7 - 6.7) | 1.930 (0.540 - 1.930) | 8.48 (2.37 - 8.48) | 99 |
| 10+10 | 2.5 | 2.5 | — | — | 5.00 (2.0 - 6.5) | 1.280 (0.600 - 1.890) | 5.62 (2.64 - 8.30) | 99 |
| 10+13 | 2.5 | 3.5 | — | — | 6.00 (2.0 - 6.6) | 1.740 (0.600 - 1.930) | 7.64 (2.64 - 8.48) | 99 |
| 10+18 | 2.25 | 4.45 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.630 - 1.910) | 8.39 (2.77 - 8.39) | 99 |
| 10+22 | 1.99 | 4.71 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.640 - 1.910) | 8.39 (2.81 - 8.39) | 99 |
| 10+26 | 1.77 | 4.93 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.640 - 1.910) | 8.39 (2.81 - 8.39) | 99 |
| 13+13 | 3.35 | 3.35 | — | — | 6.70 (2.0 - 6.7) | 1.930 (0.600 - 1.930) | 8.48 (2.64 - 8.48) | 99 |
| 13+18 | 2.77 | 3.93 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.630 - 1.910) | 8.39 (2.77 - 8.39) | 99 |
| 13+22 | 2.48 | 4.22 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.640 - 1.910) | 8.39 (2.81 - 8.39) | 99 |
| 13+26 | 2.23 | 4.47 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.640 - 1.910) | 8.39 (2.81 - 8.39) | 99 |
| 18+18 | 3.35 | 3.35 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.660 - 1.910) | 8.39 (2.90 - 8.39) | 99 |
| 18+22 | 3.05 | 3.65 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.680 - 1.910) | 8.39 (2.99 - 8.39) | 99 |
| 18+26 | 2.8 | 3.9 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.680 - 1.910) | 8.39 (2.99 - 8.39) | 99 |
| 22+22 | 3.35 | 3.35 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.700 - 1.910) | 8.39 (3.07 - 8.39) | 99 |
| 22+26 | 3.07 | 3.63 | — | — | 6.70 (2.0 - 6.7) | 1.910 (0.700 - 1.910) | 8.39 (3.07 - 8.39) | 99 |
| 10+10+10 | 2.4 | 2.4 | 2.4 | — | 7.20 (2.9 - 7.2) | 1.900 (0.760 - 1.900) | 8.34 (3.34 - 8.34) | 99 |
| 10+10+13 | 2.11 | 2.11 | 2.98 | — | 7.20 (2.9 - 7.2) | 1.900 (0.760 - 1.900) | 8.34 (3.34 - 8.34) | 99 |
| 10+10+18 | 1.78 | 1.78 | 3.64 | — | 7.20 (2.9 - 7.2) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 10+10+22 | 1.6 | 1.6 | 4.0 | — | 7.20 (2.9 - 7.2) | 1.900 (0.800 - 1.900) | 8.34 (3.51 - 8.34) | 99 |
| 10+10+26 | 1.45 | 1.45 | 4.3 | — | 7.20 (2.9 - 7.2) | 1.900 (0.800 - 1.900) | 8.34 (3.51 - 8.34) | 99 |
| 10+13+13 | 1.88 | 2.66 | 2.66 | — | 7.20 (2.9 - 7.2) | 1.900 (0.760 - 1.900) | 8.34 (3.34 - 8.34) | 99 |
| 10+13+18 | 1.6 | 2.29 | 3.31 | — | 7.20 (2.9 - 7.2) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 10+13+22 | 1.46 | 2.09 | 3.65 | — | 7.20 (2.9 - 7.2) | 1.900 (0.800 - 1.900) | 8.34 (3.51 - 8.34) | 99 |
| 10+13+26 | 1.34 | 1.90 | 3.96 | — | 7.20 (2.9 - 7.2) | 1.900 (0.800 - 1.900) | 8.34 (3.51 - 8.34) | 99 |
| 10+18+18 | 1.40 | 2.90 | 2.90 | — | 7.20 (2.9 - 7.2) | 1.900 (0.820 - 1.900) | 8.34 (3.60 - 8.34) | 99 |
| 10+18+22 | 1.29 | 2.68 | 3.23 | — | 7.20 (2.9 - 7.2) | 1.900 (0.830 - 1.900) | 8.34 (3.65 - 8.34) | 99 |
| 10+18+26 | 1.18 | 2.47 | 3.55 | — | 7.20 (2.9 - 7.2) | 1.900 (0.830 - 1.900) | 8.34 (3.65 - 8.34) | 99 |
| 13+13+13 | 2.40 | 2.40 | 2.40 | — | 7.20 (2.9 - 7.2) | 1.900 (0.760 - 1.900) | 8.34 (3.34 - 8.34) | 99 |
| 13+13+18 | 2.09 | 2.09 | 3.02 | — | 7.20 (2.9 - 7.2) | 1.900 (0.790 - 1.900) | 8.34 (3.47 - 8.34) | 99 |
| 13+13+22 | 1.92 | 1.92 | 3.36 | — | 7.20 (2.9 - 7.2) | 1.900 (0.800 - 1.900) | 8.34 (3.51 - 8.34) | 99 |
| 13+13+26 | 1.76 | 1.76 | 3.68 | — | 7.20 (2.9 - 7.2) | 1.900 (0.800 - 1.900) | 8.34 (3.51 - 8.34) | 99 |
| 13+18+18 | 1.84 | 2.68 | 2.68 | — | 7.20 (2.9 - 7.2) | 1.900 (0.820 - 1.900) | 8.34 (3.60 - 8.34) | 99 |
| 13+18+22 | 1.72 | 2.48 | 3.00 | — | 7.20 (2.9 - 7.2) | 1.900 (0.820 - 1.900) | 8.34 (3.60 - 8.34) | 99 |

| Indoor units combination | Cooling capacity (kW) | | | | | Power consumption (kW) | Current | Power factor (%) |
|---|---|---|---|---|---|---|---|---|
| | Unit A | Unit B | Unit C | Unit D | Total | | | |
| 10+10+10+10 | 1.80 | 1.80 | 1.80 | 1.80 | 7.20 (3.7 - 7.2) | 1.890 (0.920 - 1.890) | 8.30 ( 4.04 - 8.30) | 99 |
| 10+10+10+13 | 1.80 | 1.80 | 1.80 | 1.80 | 7.20 (3.7 - 7.2) | 1.890 (0.920 - 1.890) | 8.30 ( 4.04 - 8.30) | 99 |
| 10+10+10+18 | 1.50 | 1.50 | 1.50 | 2.70 | 7.20 (3.7 - 7.2) | 1.890 (0.950 - 1.890) | 8.30 ( 4.17 - 8.30) | 99 |
| 10+10+10+22 | 1.39 | 1.39 | 1.39 | 3.03 | 7.20 (3.7 - 7.2) | 1.890 (0.960 - 1.890) | 8.30 ( 4.22 - 8.30) | 99 |
| 10+10+10+26 | 1.28 | 1.28 | 1.28 | 3.36 | 7.20 (3.7 - 7.2) | 1.890 (0.960 - 1.890) | 8.30 ( 4.22 - 8.30) | 99 |
| 10+10+13+13 | 1.80 | 1.80 | 1.80 | 1.80 | 7.20 (3.7 - 7.2) | 1.890 (0.920 - 1.890) | 8.30 ( 4.04 - 8.30) | 99 |
| 10+10+13+18 | 1.50 | 1.50 | 1.50 | 2.70 | 7.20 (3.7 - 7.2) | 1.890 (0.950 - 1.890) | 8.30 ( 4.17 - 8.30) | 99 |
| 10+10+13+22 | 1.39 | 1.39 | 1.39 | 3.03 | 7.20 (3.7 - 7.2) | 1.890 (0.950 - 1.890) | 8.30 ( 4.17 - 8.30) | 99 |
| 10+10+13+26 | 1.28 | 1.28 | 1.28 | 3.36 | 7.20 (3.7 - 7.2) | 1.890 (0.950 - 1.890) | 8.30 ( 4.17 - 8.30) | 99 |
| 10+13+13+13 | 1.80 | 1.80 | 1.80 | 1.80 | 7.20 (3.7 - 7.2) | 1.890 (0.920 - 1.890) | 8.30 ( 4.04 - 8.30) | 99 |
| 10+13+13+18 | 1.50 | 1.50 | 1.50 | 2.70 | 7.20 (3.7 - 7.2) | 1.890 (0.950 - 1.890) | 8.30 ( 4.17 - 8.30) | 99 |
| 13+13+13+13 | 1.80 | 1.80 | 1.80 | 1.80 | 7.20 (3.7 - 7.2) | 1.890 (0.950 - 1.890) | 8.30 ( 4.17 - 8.30) | 99 |

# 4 SPECIFICATION

| Outdoor model | | | MXY-2A23VA | | MXY-3A28VA | | MXY-4A28VA | |
|---|---|---|---|---|---|---|---|---|
| Function | | | Cooling | | | | | |
| Outdoor unit power supply | | | Single phase 230 V, 50 Hz | | | | | |
| Capacity | Capacity [Rated (Min.-Max.) Hz] | kW | R1, R2 | 6.0 (2.0-6.8) | R1, R2 | 7.5 (2.9-8.8) | R1, R2, R4, R5, R6, R7 | 7.5 (3.7-8.9) |
| | | | | | R4, R5, R6, R7 | 7.5 (2.9-8.9) | | |
| | Dehumidification | ℓ/h | — | | | | | |
| | Outdoor air flow | m³/h | 2,525 | | | | | |
| Electrical data | Breaker capacity | A | 25 | | | | | |
| | Running current ✻1 | A | R1, R2 | 7.07 | R1, R2 | 8.26 | R1, R2 | 7.60 |
| | | | | | R4, R5, R6, R7 | 9.57 | R4, R5, R6, R7 | 9.49 |
| | Power input ✻1 | W | R1, R2 | 1,610 | R1, R2 | 1,880 | R1, R2 | 1,730 |
| | | | | | R4, R5, R6, R7 | 2,180 | R4, R5, R6, R7 | 2,160 |
| | Auxiliary heater | A(kW) | — | | | | | |
| | Crankcase heater | W | — | | | | | |
| | Power factor ✻ 1 | % | 99.0 | | | | | |
| | Starting current | A | R1, R2 | 7.07 | R1, R2 | 8.26 | R1, R2 | 7.60 |
| | | | | | R4, R5, R6, R7 | 9.57 | R4, R5, R6, R7 | 9.49 |
| | Compressor motor current ✻ 1 | A | R1, R2 | 6.37 | R1, R2 | 7.31 | R1, R2 | 6.40 |
| | | | | | R4, R5, R6, R7 | 8.56 | R4, R5, R6, R7 | 8.21 |
| | Fan motor current | A | 0.2 | | | | | |
| Coefficient of performance (C.O.P) ✻1 | | | R1, R2 | 3.73 | R1, R2 | 3.99 | R1, R2 | 4.34 |
| | | | | | R4, R5, R6, R7 | 3.4 | R4, R5, R6, R7 | 3.47 |
| Compressor | Model | | R1 | SNB130FLDH1 | R1 | SNB130FLDH1 | | |
| | | | | | R2, R4, R5 | SNB130FGBH1 | | |
| | | | R2 | SNB130FGBH1 | R6, R7 | SNB130FGBH1T | | |
| | Output | W | 1,600 | | 2,000 | | | |
| | Winding resistance (at 20 °C) | Ω | R1 | U-V 0.45 V-W 0.45 W-U 0.45 | R1 | U-V 0.45 V-W 0.45 W-U 0.45 | | |
| | | | R2 | U-V 0.98 V-W 0.98 W-U 0.98 | R2, R4, R5, R6, R7 | U-V 0.98 V-W 0.98 W-U 0.98 | | |
| Fan motor | Model | | RC0J60-AA (**Other models**)<br>RC0J-60-CB (**MXY-3A38/4A28VA-** R7) | | | | | |
| | Winding resistance (at 20 °C) | Ω | BLK-WHT 15.2<br>WHT-RED 15.2 RED-BLK 15.2 | | | | | |
| Dimensions W x H x D | | mm | 840 x 710 x 330 | | | | | |
| Weight | | kg | 57 | | | | 58 | |
| Special remarks | Sound level ✻2 | dB | R1, R2 | 48 | R1, R2 | 48 | R1, R2 | 48 |
| | | | | | R4, R5, R6, R7 | 49 | R4, R5, R6, R7 | 49 |
| | Fan speed | rpm | R1, R2 | 680 | R1, R2 | 680 | R1, R2, R4, R5, R6, R7 | 680 |
| | | | | | R2, R4, R5, R6, R7 | 690 | | |
| | Refrigerant filling capacity (R410A) | kg | 2.7 | | | | | |
| | Refrigeration oil (Model) | cc | R1 | 600 (NEO22) | R1 | 600 (NEO22) | | |
| | | | R2 | 700 (NEO22) | R2, R4, R5, R6, R7 | 700 (NEO22) | | |

**NOTE**: •Test conditions are based on JIS C 9612: 1994 (Refrigerant piping length (one way): 5 m).
•Refer to "INDOOR/OUTDOOR CORRESPONDENCE TABLE" for the combination.

✻1 Measured under rated operating frequency.

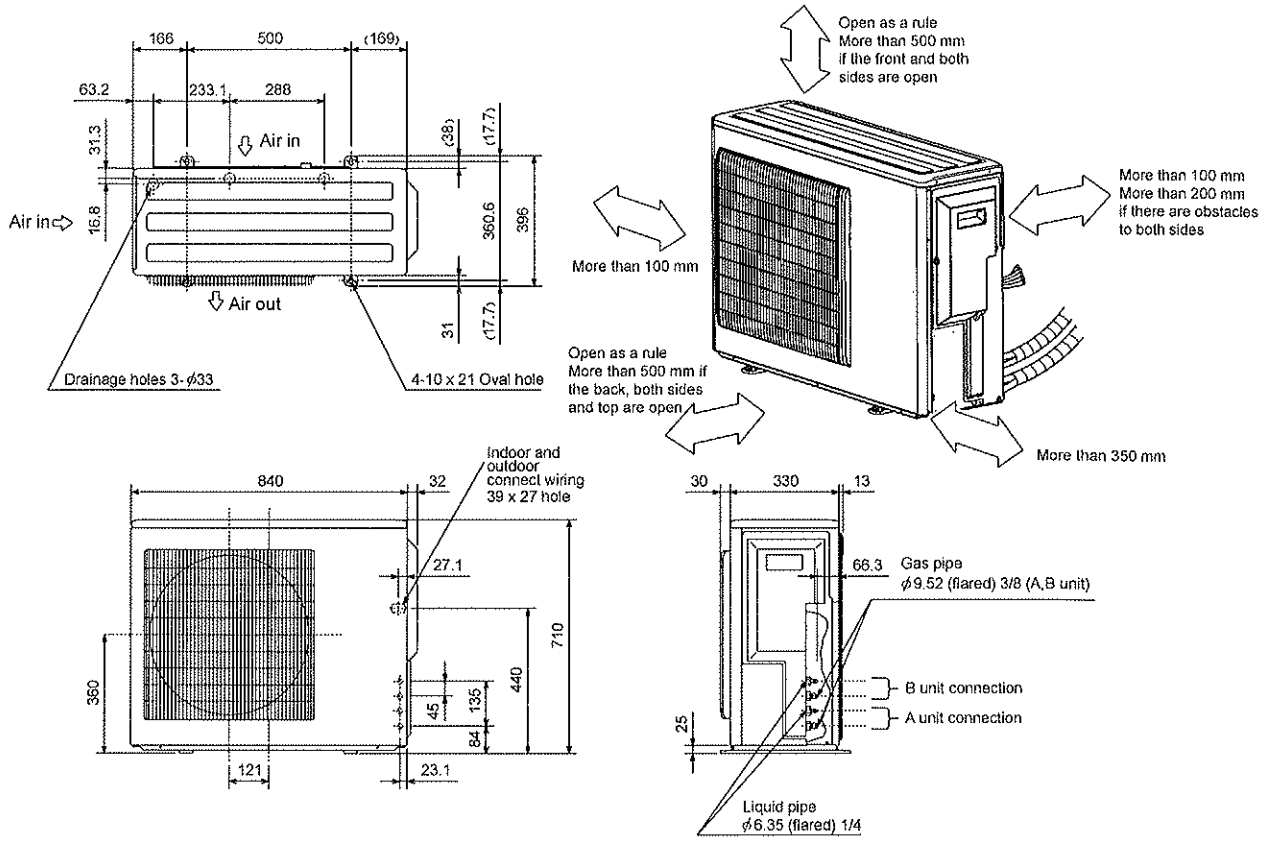
✻2 These specifications are when all indoor units are operating.

TEST CONDITIONS Cooling: Indoor Dry-bulb temperature 27.0°C Wet-bulb temperature 19.0°C
Outdoor Dry-bulb temperature 35.0°C Wet-bulb temperature 24.0°C

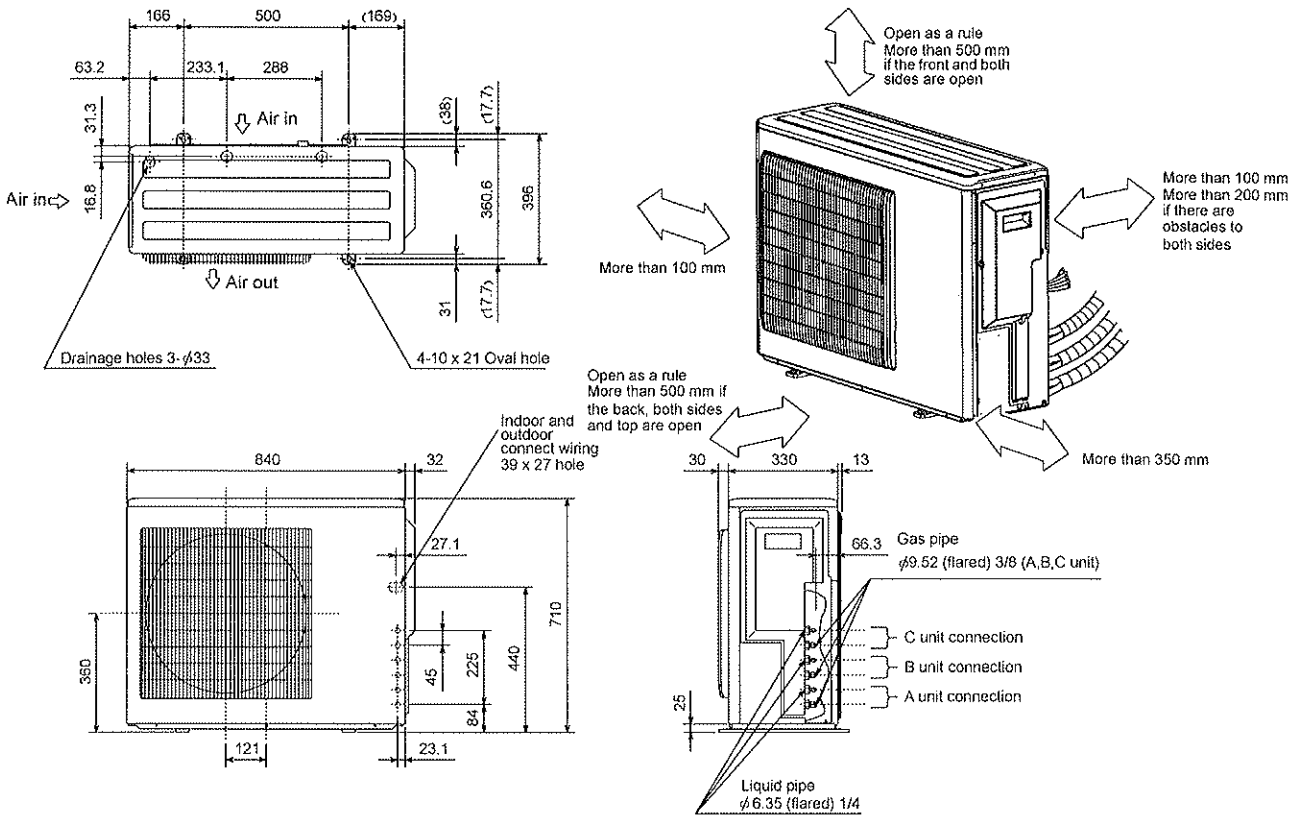
# 5 OUTLINES AND DIMENSIONS

## MXY-2A23VA-R1, R2

Unit: mm

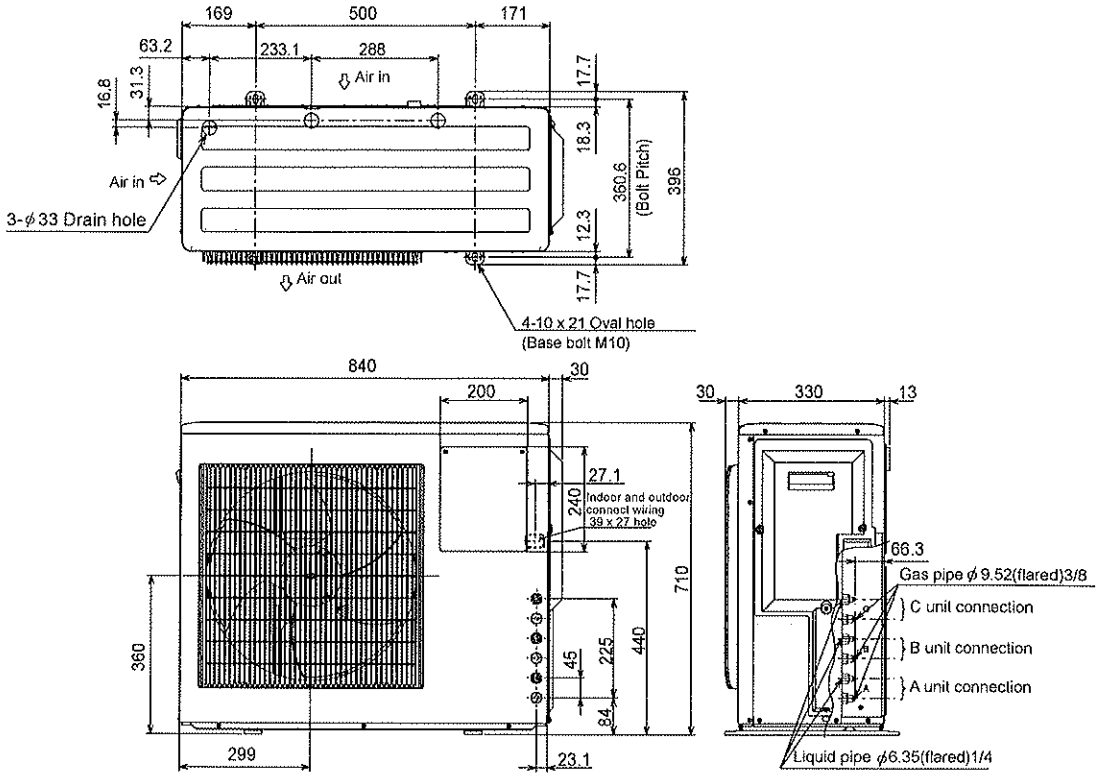



## MXY-3A28VA-R1, R2, R4



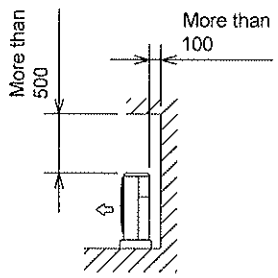
## MXY-3A28VA -R5, R6, R7

Unit: mm

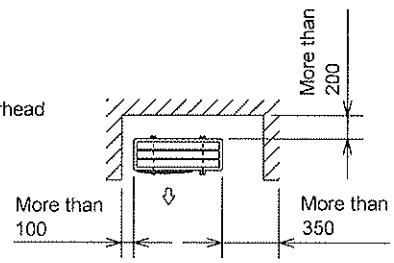



### 1.Installation space

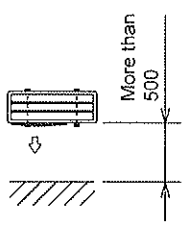
Note : Leave front and both sides clearance fully.



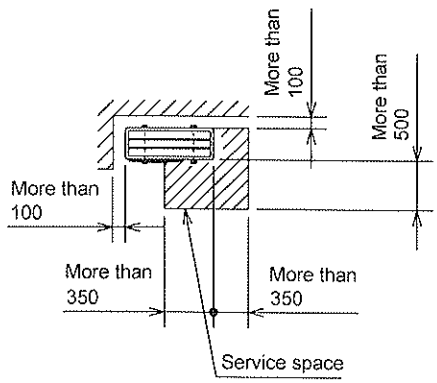

Note : Leave front and overhead clearance fully.




Note : Leave rear, overhead and both sides clearance fully.

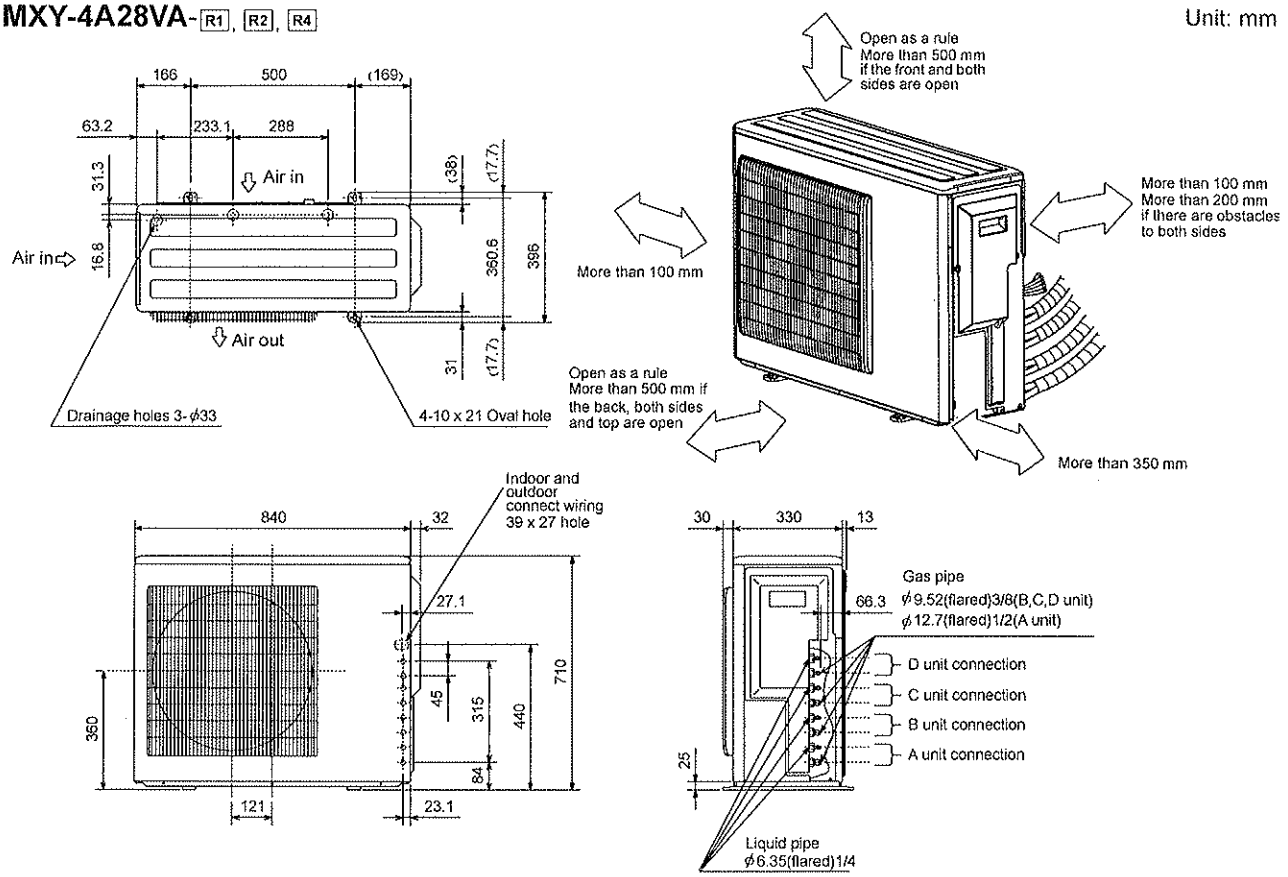



### 2.Service space



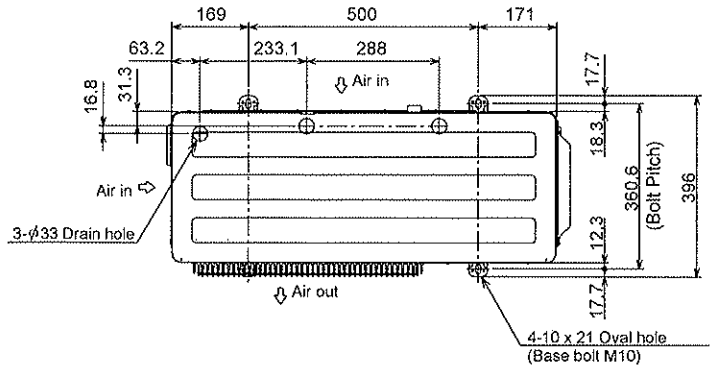
## MXY-4A28VA-R1, R2, R4

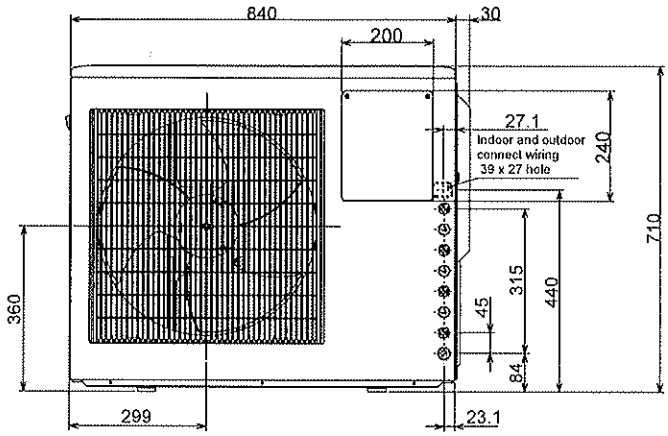
Unit: mm

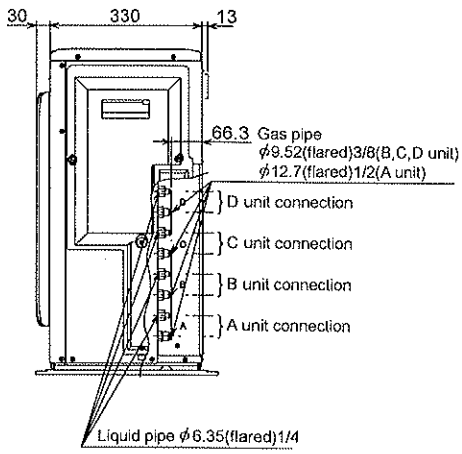


## MXY-4A28VA -R5, R6, R7

Unit: mm

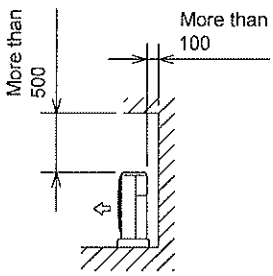


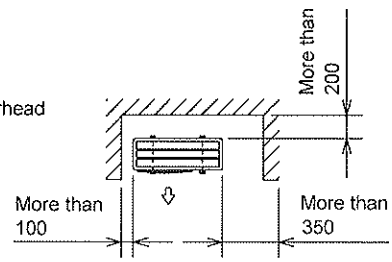




### 1.Installation space

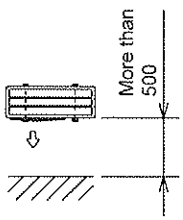
Note : Leave front and both sides clearance fully.



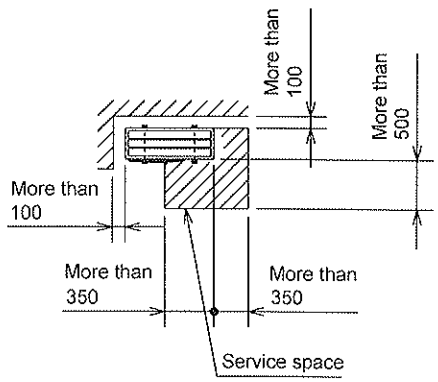

Note : Leave front and overhead clearance fully.

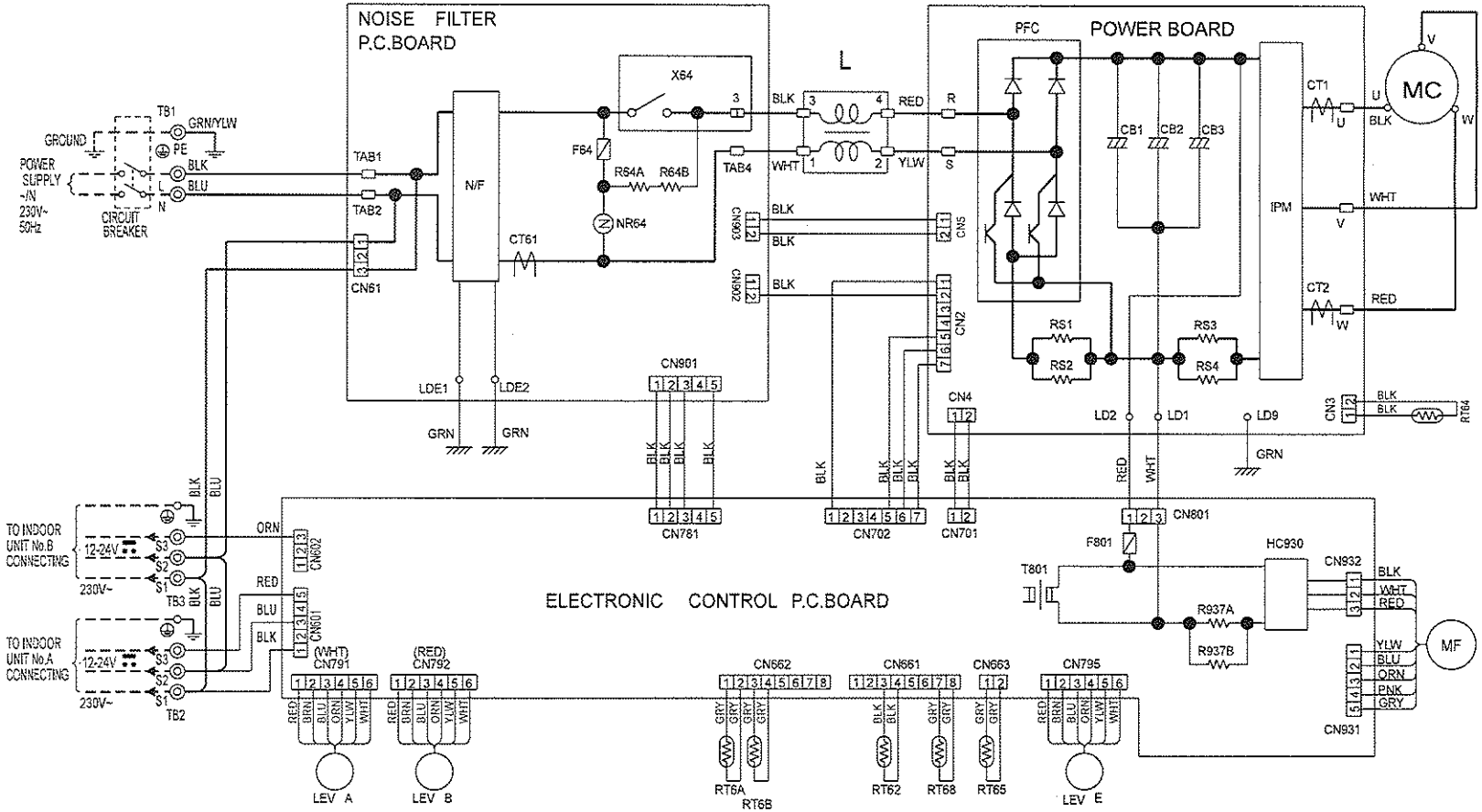



Note : Leave rear, overhead and both sides clearance fully.



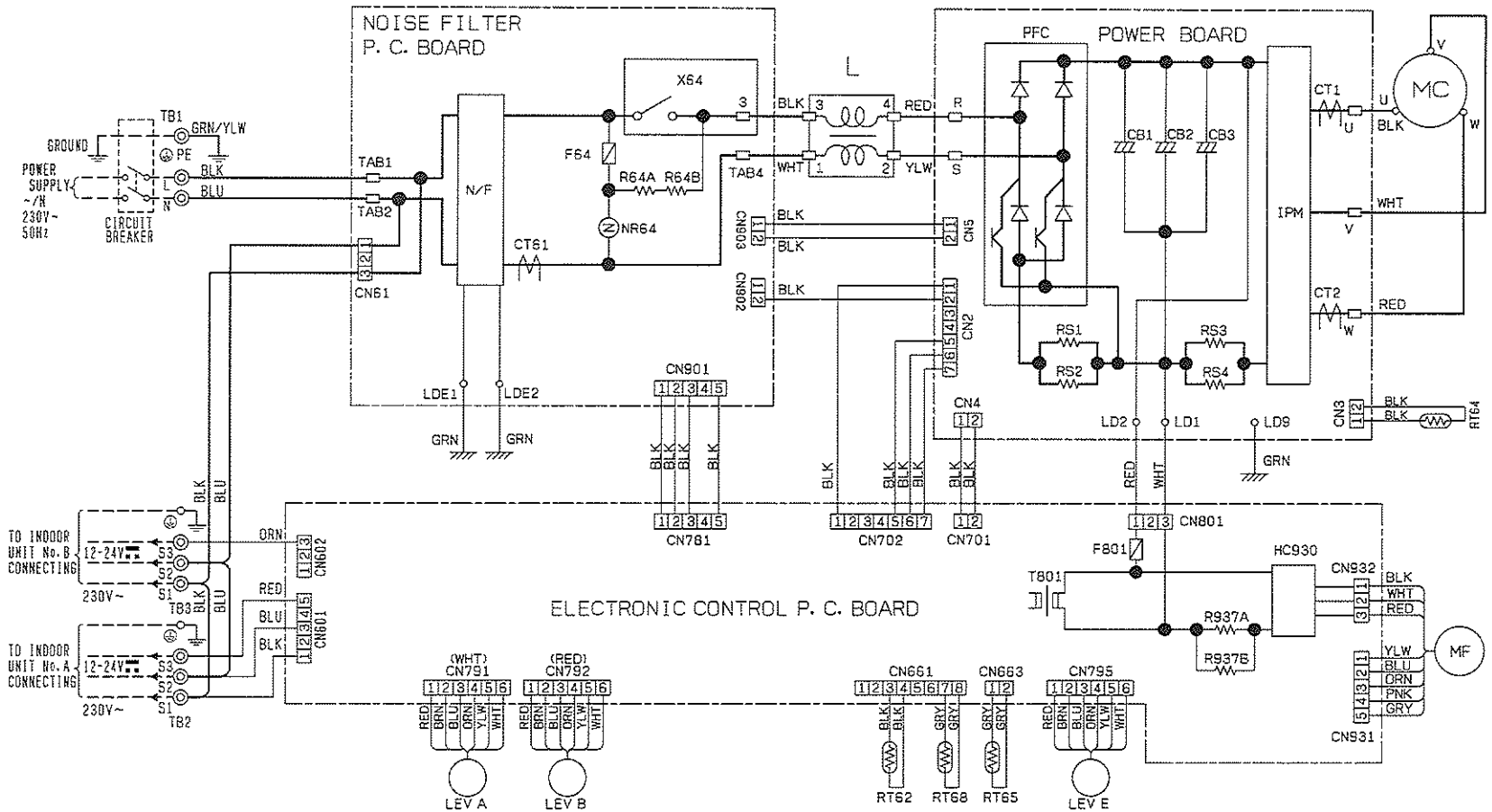

### 2.Service space





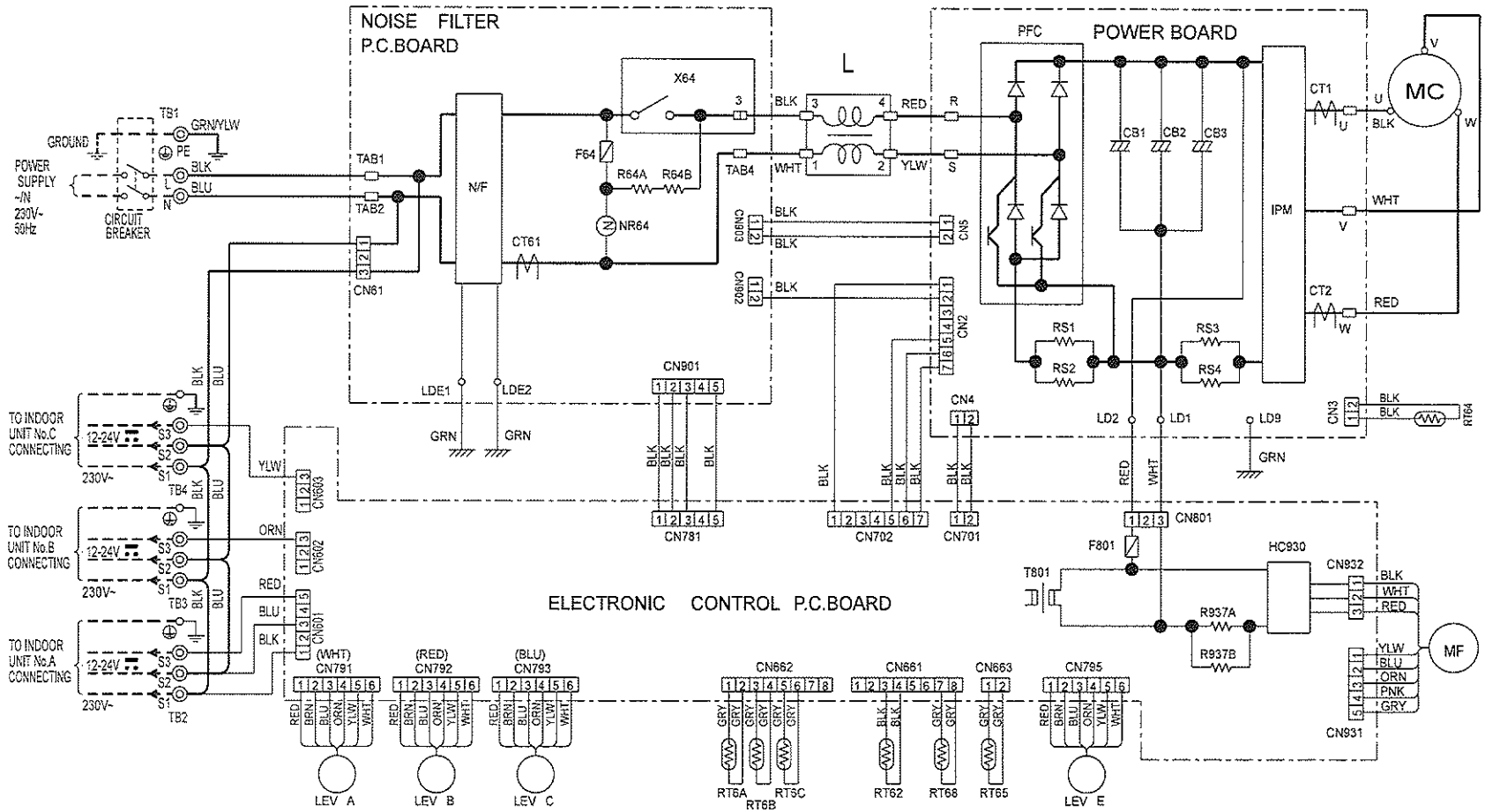

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | MC | COMPRESSOR | RT64 | FIN TEMPERATURE THERMISTOR |
| CT1, 2 | CURRENT TRANSFORMER | MF | OUTDOOR FAN MOTOR | RT65 | AMBIENT TEMPERATURE THERMISTOR |
| CT61 | CURRENT TRANSFORMER | NR64 | VARISTOR | RT68 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR |
| F801 | FUSE (T3.15AL250V) | N/F | NOISE FILTER | | |
| F64 | FUSE (T2AL250V) | PFC | POWER FACTOR CONTROLLER | T801 | TRANSFORMER |
| HC930 | INTELLIGENT POWER MODULE | R64A,B | RESISTOR | TB1~3 | TERMINAL BLOCK |
| IPM | INTELLIGENT POWER MODULE | R937A, B | RESISTOR | X64 | RELAY |
| L | REACTOR | RS1~4 | RESISTOR | | |
| LEV A,B | EXPANSION VALVE | RT6A,6B | GAS PIPE TEMPERATURE THERMISTOR | | |
| LEV E | EXPANSION VALVE | RT62 | DISCHARGE TEMPERATURE THERMISTOR | | |

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



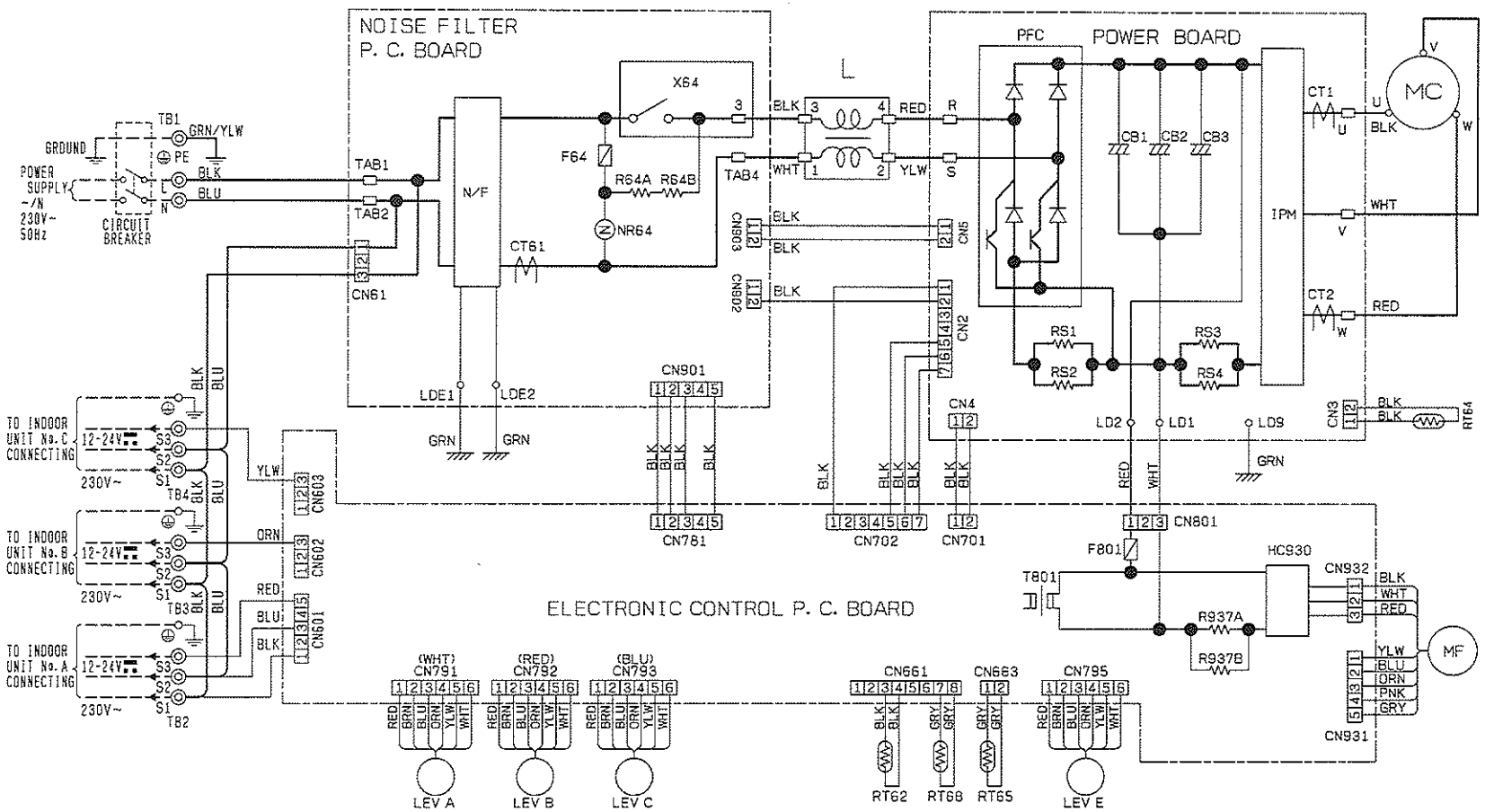

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | MC | COMPRESSOR | RT65 | AMBIENT TEMPERATURE THERMISTOR |
| CT1, 2 | CURRENT TRANSFORMER | MF | OUTDOOR FAN MOTOR | RT68 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR |
| CT61 | CURRENT TRANSFORMER | NR64 | VARISTOR | | |
| F801 | FUSE (T3.15AL250V) | N/F | NOISE FILTER | T801 | TRANSFORMER |
| F64 | FUSE (T2AL250V) | PFC | POWER FACTOR CONTROLLER | TB1~3 | TERMINAL BLOCK |
| HC930 | INTELLIGENT POWER MODULE | R64A,B | RESISTOR | X64 | RELAY |
| IPM | INTELLIGENT POWER MODULE | R937A, B | RESISTOR | | |
| L | REACTOR | RS1~4 | RESISTOR | | |
| LEV A,B | EXPANSION VALVE | RT62 | DISCHARGE TEMPERATURE THERMISTOR | | |
| LEV E | EXPANSION VALVE | RT64 | FIN TEMPERATURE THERMISTOR | | |

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



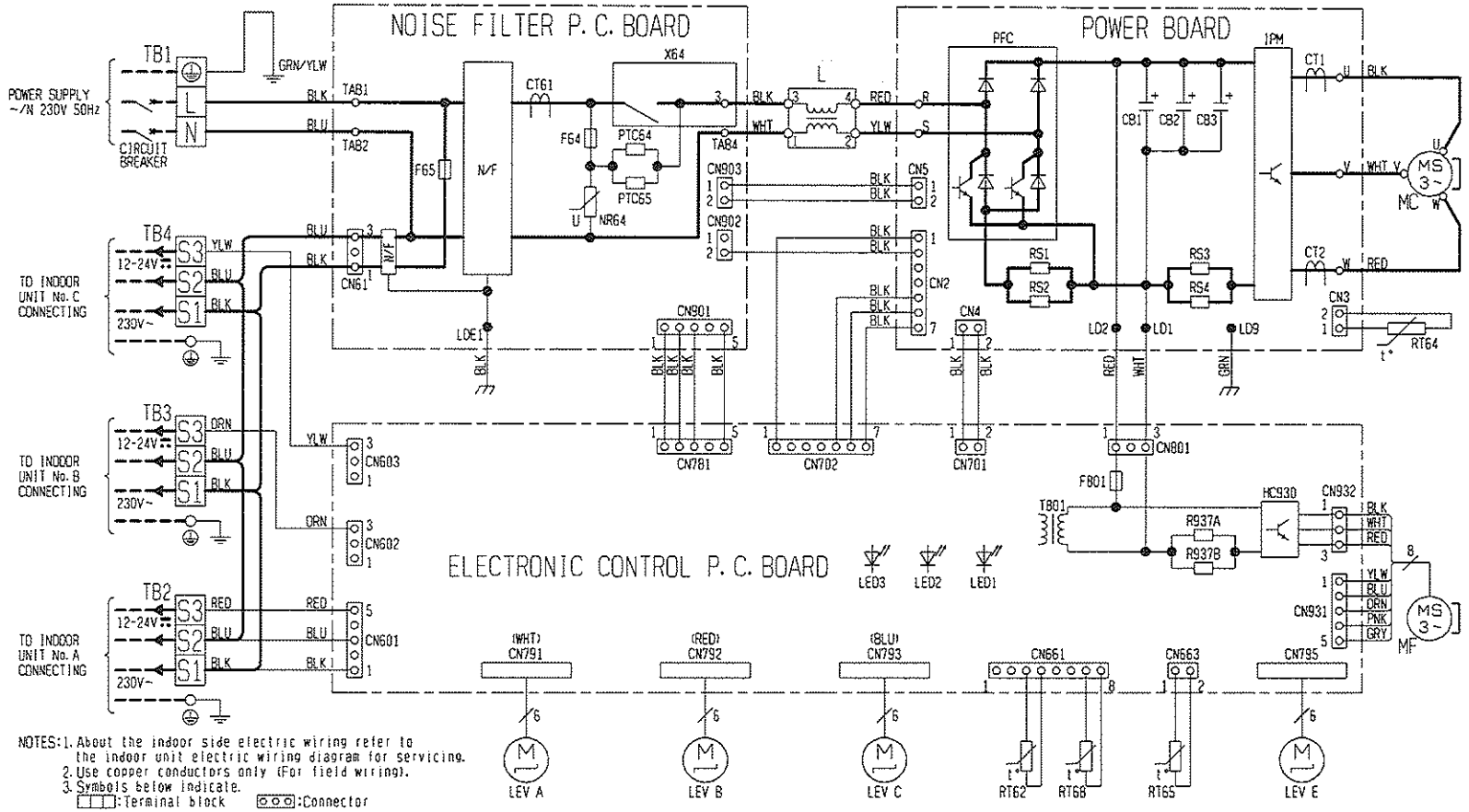

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | MC | COMPRESSOR | RT64 | FIN TEMPERATURE THERMISTOR |
| CT1, 2 | CURRENT TRANSFORMER | MF | OUTDOOR FAN MOTOR | RT65 | AMBIENT TEMPERATURE THERMISTOR |
| CT61 | CURRENT TRANSFORMER | NR64 | VARISTOR | RT68 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR |
| F801 | FUSE (T3.15AL250V) | N/F | NOISE FILTER | | |
| F64 | FUSE (T2AL250V) | PFC | POWER FACTOR CONTROLLER | T801 | TRANSFORMER |
| HC930 | INTELLIGENT POWER MODULE | R64A,B | RESISTOR | TB1~4 | TERMINAL BLOCK |
| IPM | INTELLIGENT POWER MODULE | R937A, B | RESISTOR | X64 | RELAY |
| L | REACTOR | RS1~4 | RESISTOR | | |
| LEV A~C | EXPANSION VALVE | RT6A~C | GAS PIPE TEMPERATURE THERMISTOR | | |
| LEV E | EXPANSION VALVE | RT62 | DISCHARGE TEMPERATURE THERMISTOR | | |

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



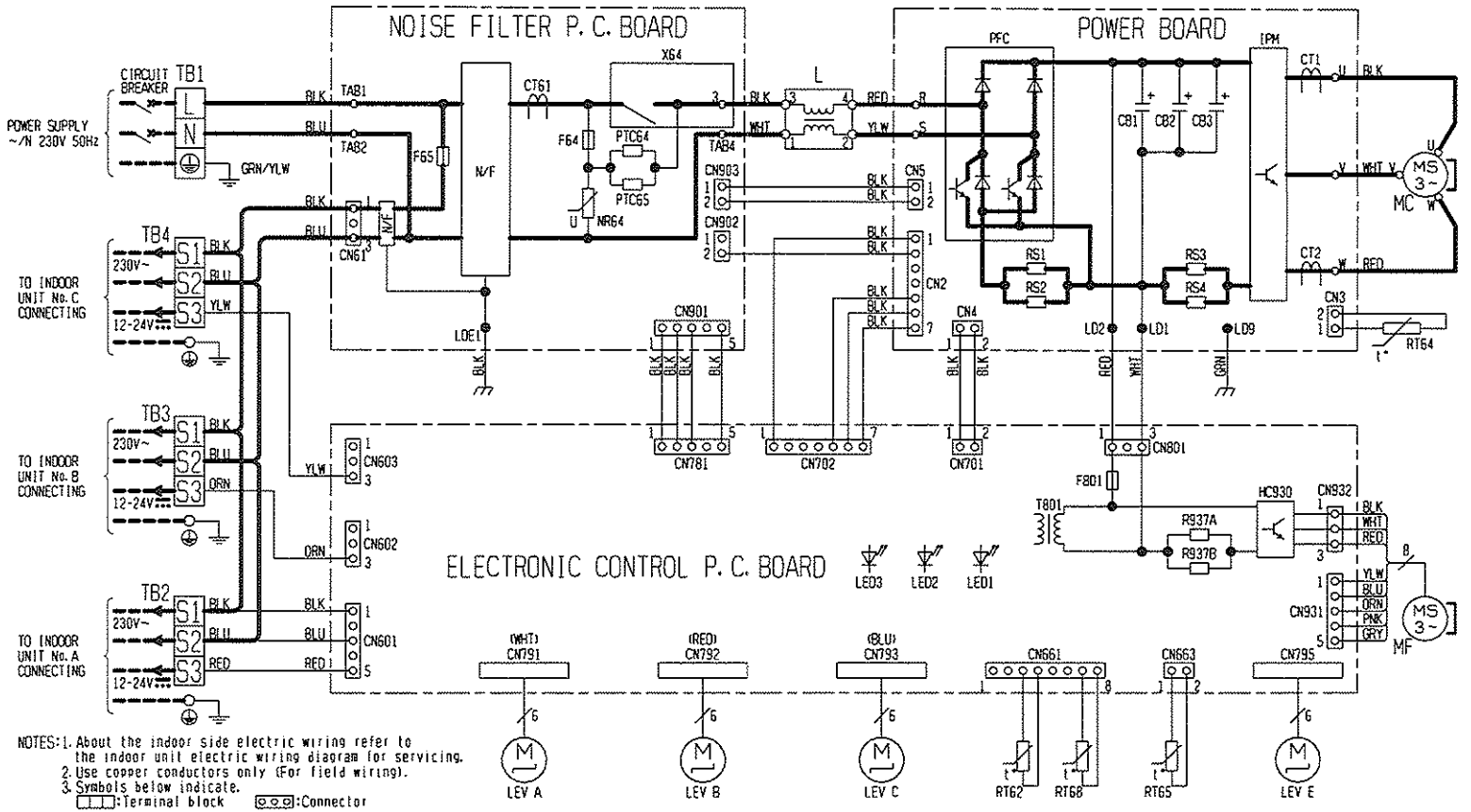

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | MC | COMPRESSOR | RT65 | AMBIENT TEMPERATURE THERMISTOR |
| CT1, 2 | CURRENT TRANSFORMER | MF | OUTDOOR FAN MOTOR | RT68 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR |
| CT61 | CURRENT TRANSFORMER | NR64 | VARISTOR | | |
| F801 | FUSE (T3.15AL250V) | N/F | NOISE FILTER | T801 | TRANSFORMER |
| F64 | FUSE (T2AL250V) | PFC | POWER FACTOR CONTROLLER | TB1~4 | TERMINAL BLOCK |
| HC930 | INTELLIGENT POWER MODULE | R64A,B | RESISTOR | X64 | RELAY |
| IPM | INTELLIGENT POWER MODULE | R937A, B | RESISTOR | | |
| L | REACTOR | RS1~4 | RESISTOR | | |
| LEV A~C | EXPANSION VALVE | RT62 | DISCHARGE TEMPERATURE THERMISTOR | | |
| LEV E | EXPANSION VALVE | RT64 | FIN TEMPERATURE THERMISTOR | | |

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



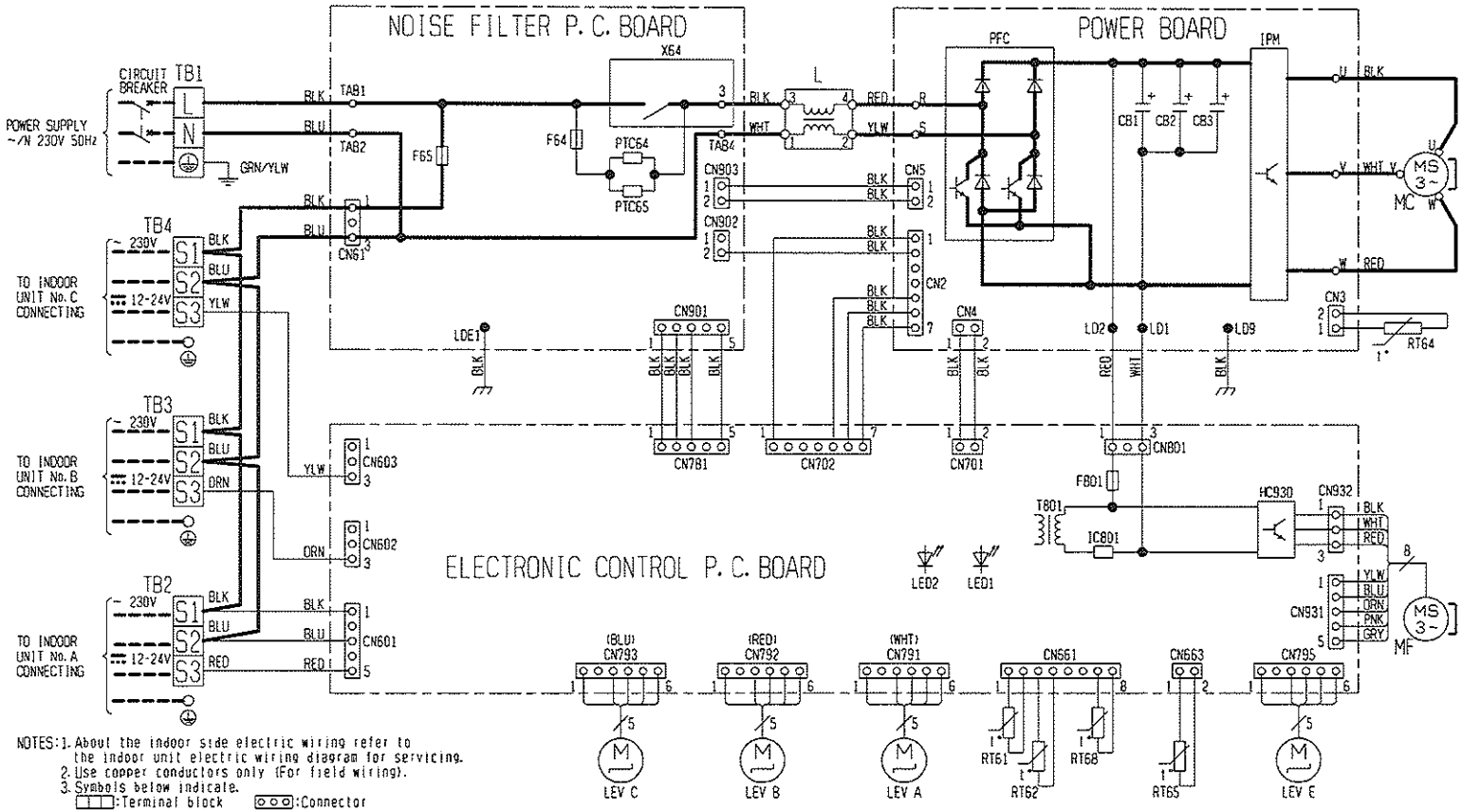

NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□: Terminal block ⊡⊡⊡: Connector

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | HC930 | INTELLIGENT POWER MODULE | MF | FAN MOTOR | RS1~4 | RESISTOR | TB1~4 | TERMINAL BLOCK |
| CT1, 2 | CURRENT TRANSFORMER | IPM | INTELLIGENT POWER MODULE | NR64 | VARISTOR | RT62 | DISCHARGE TEMP. THERMISTOR | X64 | RELAY |
| CT61 | CURRENT TRANSFORMER | L | REACTOR | N/F | NOISE FILTER | RT64 | FIN TEMP. THERMISTOR | | |
| F64 | FUSE (T2AL250V) | LEV A~C | EXPANSION VALVE | PFC | POWER FACTOR CONTROLLER | RT65 | AMBIENT TEMP. THERMISTOR | | |
| F65 | FUSE (T6.3AL250V) | LEV E | EXPANSION VALVE | PTC64, 65 | CIRCUIT PROTECTION | RT68 | OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR | | |
| F801 | FUSE (T3.15AL250V) | MC | COMPRESSOR | R937A, B | RESISTOR | T801 | TRANSFORMER | | |



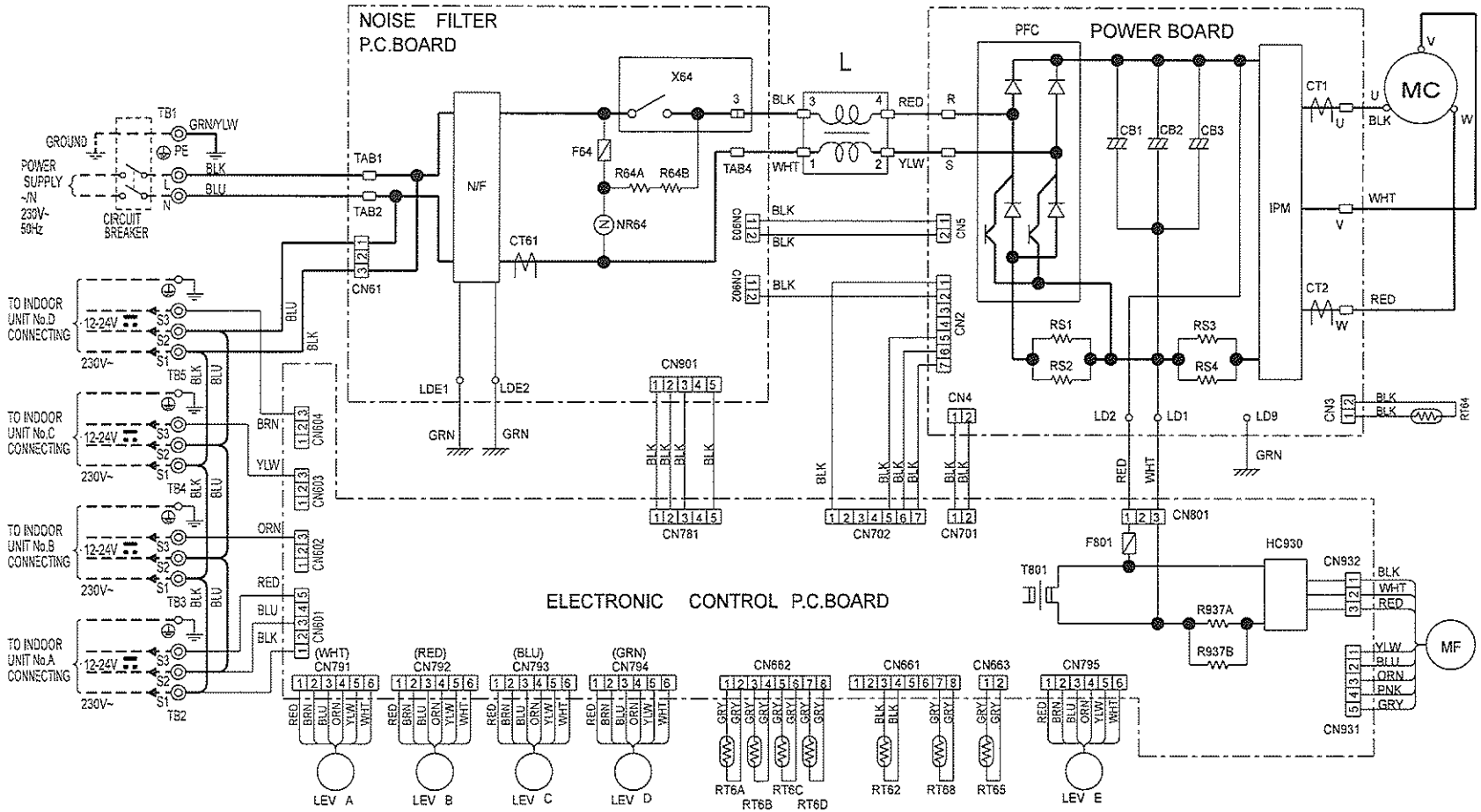

NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□:Terminal block ○○○:Connector

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | HC930 | INTELLIGENT POWER MODULE | MF | FAN MOTOR | RS1~4 | RESISTOR | TB1~4 | TERMINAL BLOCK |
| CT1, 2 | CURRENT TRANSFORMER | IPM | INTELLIGENT POWER MODULE | NR64 | VARISTOR | RT62 | DISCHARGE TEMP. THERMISTOR | X64 | RELAY |
| CT61 | CURRENT TRANSFORMER | L | REACTOR | N/F | NOISE FILTER | RT64 | FIN TEMP. THERMISTOR | | |
| F64 | FUSE(T2AL250V) | LEV A~C | EXPANSION VALVE | PFC | POWER FACTOR CONTROLLER | RT65 | AMBIENT TEMP. THERMISTOR | | |
| F65 | FUSE(T6.3AL250V) | LEV E | EXPANSION VALVE | PTC64, 65 | CIRCUIT PROTECTION | RT68 | OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR | | |
| F801 | FUSE(T3.15AL250V) | MC | COMPRESSOR | R937A, B | RESISTOR | T801 | TRANSFORMER | | |



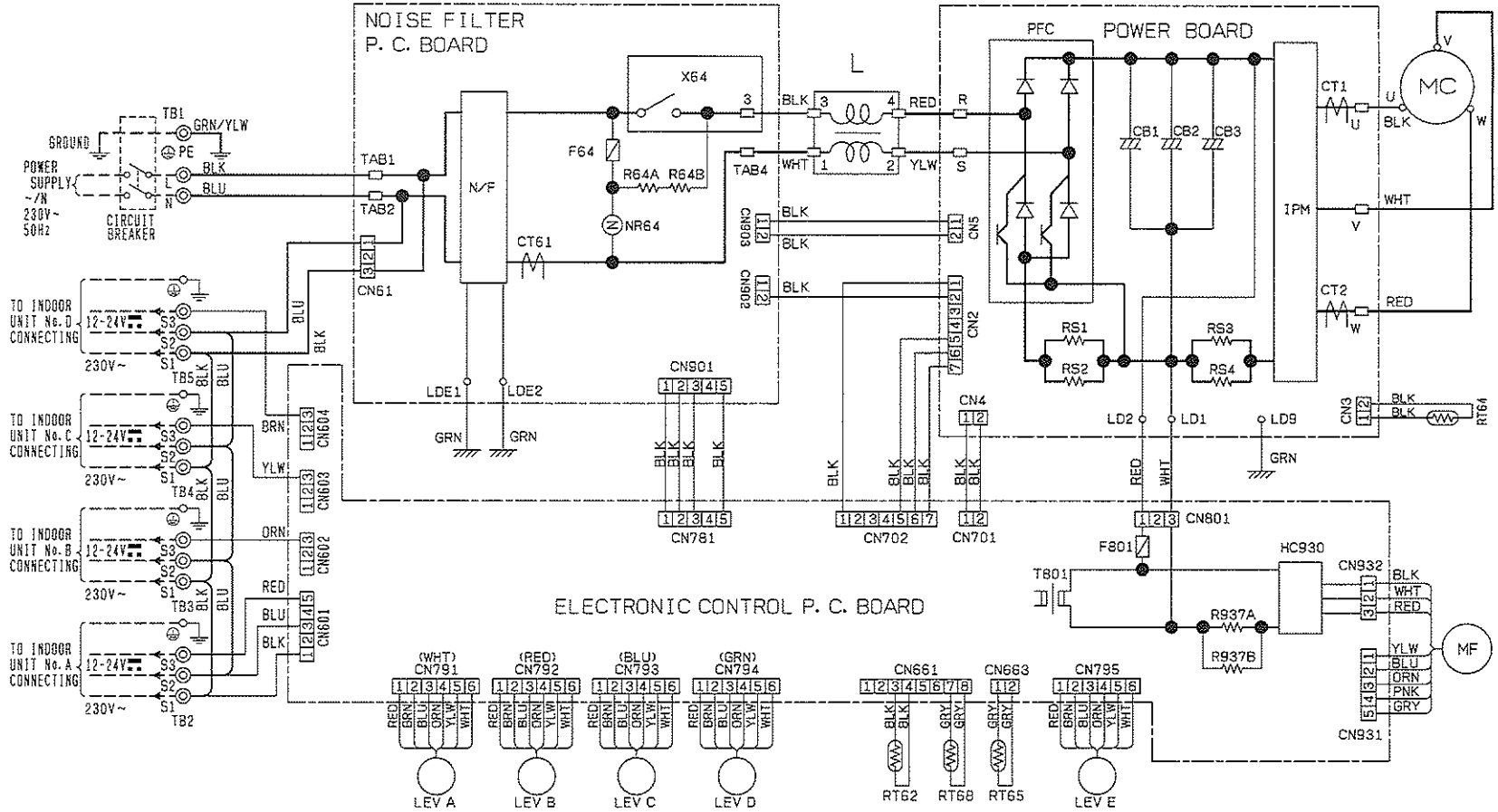

NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□:Terminal block ⊙⊙⊙:Connector

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | IPM | POWER MODULE | MF | FAN MOTOR | RT65 | AMBIENT TEMP. THERMISTOR |
| F64 | FUSE(T2AL250V) | L | REACTOR | PFC | POWER FACTOR CONTROLLER | RT68 | OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR |
| F65 | FUSE(T6.3AL250V) | LED1, 2 | LED | PTC64, 65 | CIRCUIT PROTECTION | T801 | TRANSFORMER |
| F801 | FUSE(T3.15AL250V) | LEV A~D | EXPANSION VALVE | RT61 | DEFROST THERMISTOR | TB1~5 | TERMINAL BLOCK |
| HC930 | POWER MODULE | LEV E | EXPANSION VALVE | RT62 | DISCHARGE TEMP. THERMISTOR | X64 | RELAY |
| IC801 | POWER DEVICE | MC | COMPRESSOR | RT64 | FIN TEMP. THERMISTOR | | |



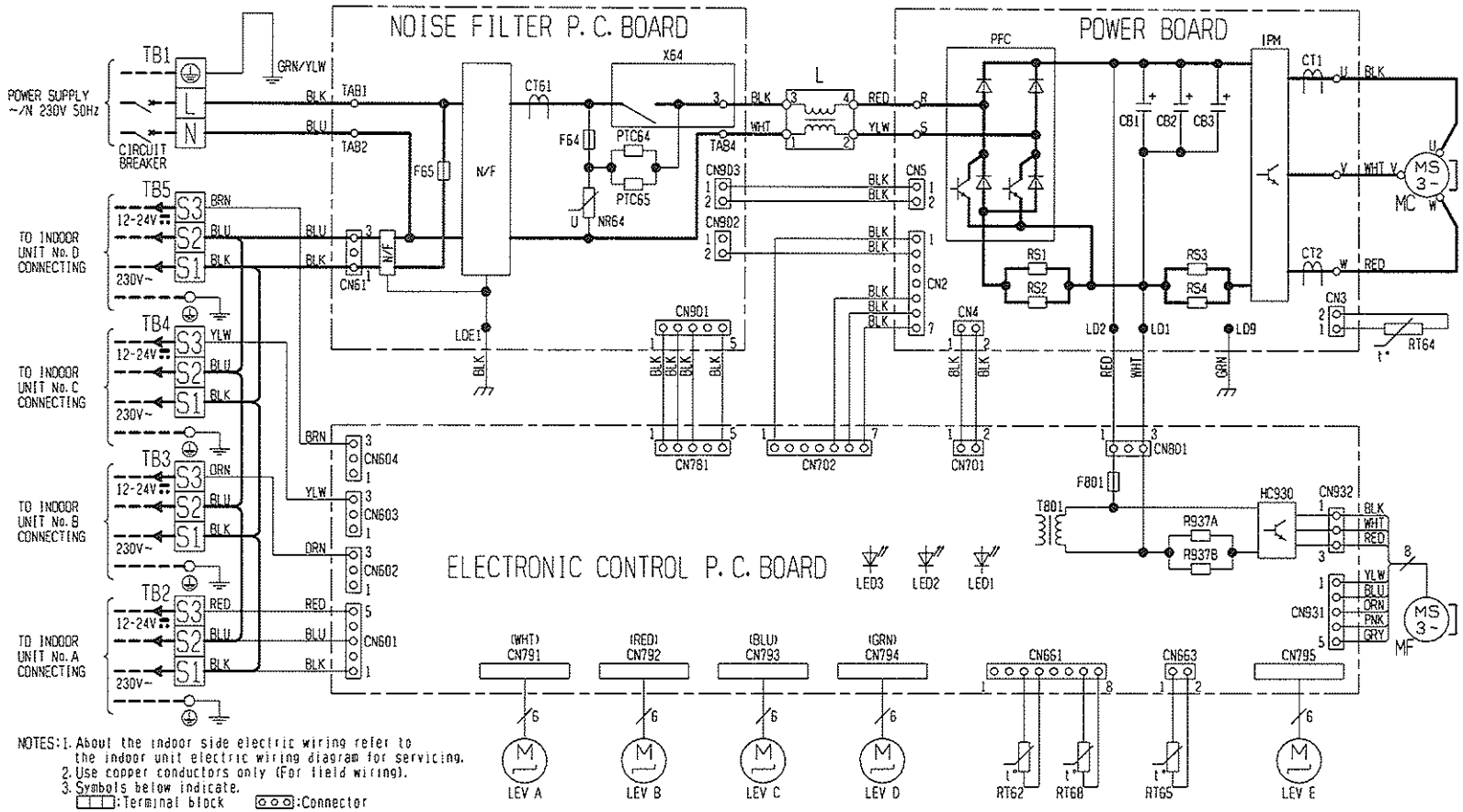

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | LEV E | EXPANSION VALVE | RT6A~D | GAS PIPE TEMPERATURE THERMISTOR |
| CT1, 2 | CURRENT TRANSFORMER | MC | COMPRESSOR | RT62 | DISCHARGE TEMPERATURE THERMISTOR |
| CT61 | CURRENT TRANSFORMER | MF | OUTDOOR FAN MOTOR | RT64 | FIN TEMPERATURE THERMISTOR |
| F801 | FUSE (T3.15AL250V) | NR64 | VARISTOR | RT65 | AMBIENT TEMPERATURE THERMISTOR |
| F64 | FUSE (T2AL250V) | N/F | NOISE FILTER | RT68 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR |
| HC930 | INTELLIGENT POWER MODULE | PFC | POWER FACTOR CONTROLLER | | |
| IPM | INTELLIGENT POWER MODULE | R64A,B | RESISTOR | T801 | TRANSFORMER |
| L | REACTOR | R937A, B | RESISTOR | TB1~5 | TERMINAL BLOCK |
| LEV A~D | EXPANSION VALVE | RS1~4 | RESISTOR | X64 | RELAY |

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



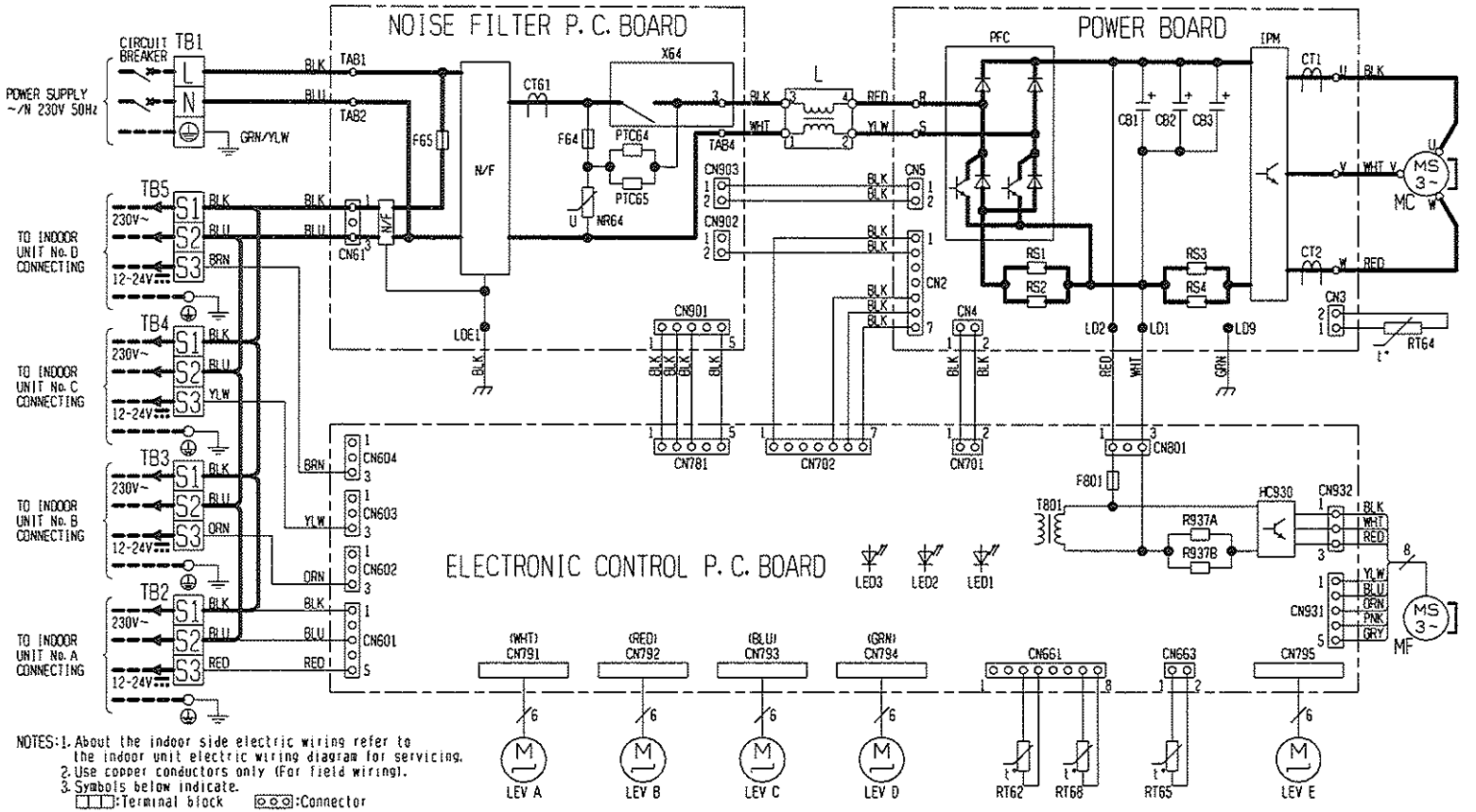

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | MC | COMPRESSOR | RT65 | AMBIENT TEMPERATURE THERMISTOR |
| CT1, 2 | CURRENT TRANSFORMER | MF | OUTDOOR FAN MOTOR | RT68 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR |
| CT61 | CURRENT TRANSFORMER | NR64 | VARISTOR | | |
| F801 | FUSE (T3.15AL250V) | N/F | NOISE FILTER | T801 | TRANSFORMER |
| F64 | FUSE (T2AL250V) | PFC | POWER FACTOR CONTROLLER | TB1~5 | TERMINAL BLOCK |
| HC930 | INTELLIGENT POWER MODULE | R64A,B | RESISTOR | X64 | RELAY |
| IPM | INTELLIGENT POWER MODULE | R937A, B | RESISTOR | | |
| L | REACTOR | RS1~4 | RESISTOR | | |
| LEV A~D | EXPANSION VALVE | RT62 | DISCHARGE TEMPERATURE THERMISTOR | | |
| LEV E | EXPANSION VALVE | RT64 | FIN TEMPERATURE THERMISTOR | | |

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

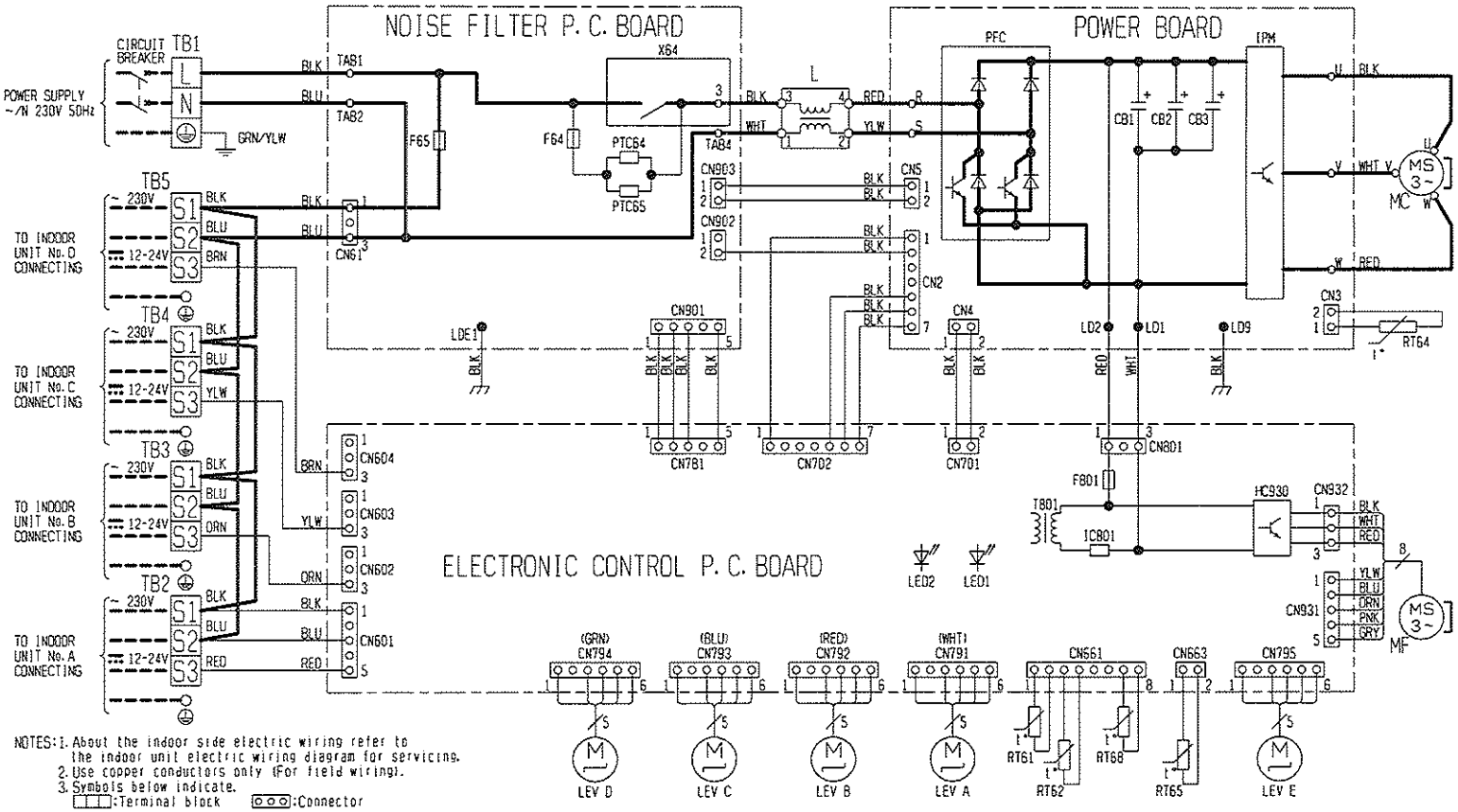



NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□: Terminal block ○○○: Connector

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | HC930 | INTELLIGENT POWER MODULE | MF | FAN MOTOR | RS1~4 | RESISTOR | TB1~5 | TERMINAL BLOCK |
| CT1, 2 | CURRENT TRANSFORMER | IPM | INTELLIGENT POWER MODULE | NR64 | VARISTOR | RT62 | DISCHARGE TEMP. THERMISTOR | X64 | RELAY |
| CT61 | CURRENT TRANSFORMER | L | REACTOR | N/F | NOISE FILTER | RT64 | FIN TEMP. THERMISTOR | | |
| F64 | FUSE (T2AL250V) | LEV A~D | EXPANSION VALVE | PFC | POWER FACTOR CONTROLLER | RT65 | AMBIENT TEMP. THERMISTOR | | |
| F65 | FUSE (T6.3AL250V) | LEV E | EXPANSION VALVE | PTC64, 65 | CIRCUIT PROTECTION | RT68 | OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR | | |
| F801 | FUSE (T3.15AL250V) | MC | COMPRESSOR | R937A, B | RESISTOR | T801 | TRANSFORMER | | |




| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|---|---|---|---|
| C81~3 | SMOOTHING CAPACITOR | HC930 | INTELLIGENT POWER MODULE | MF | FAN MOTOR | RS1~4 | RESISTOR | TB1~5 | TERMINAL BLOCK |
| CT1, 2 | CURRENT TRANSFORMER | IPM | INTELLIGENT POWER MODULE | NR64 | VARISTOR | RT62 | DISCHARGE TEMP. THERMISTOR | X64 | RELAY |
| CT61 | CURRENT TRANSFORMER | L | REACTOR | N/F | NOISE FILTER | RT64 | FIN TEMP. THERMISTOR | | |
| F64 | FUSE (T2AL250V) | LEV A~D | EXPANSION VALVE | PFC | POWER FACTOR CONTROLLER | RT65 | AMBIENT TEMP. THERMISTOR | | |
| F65 | FUSE (T6. 3AL250V) | LEV E | EXPANSION VALVE | PTC64, 65 | CIRCUIT PROTECTION | RT68 | OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR | | |
| F801 | FUSE (T3. 15AL250V) | MC | COMPRESSOR | R937A, B | RESISTOR | T801 | TRANSFORMER | | |



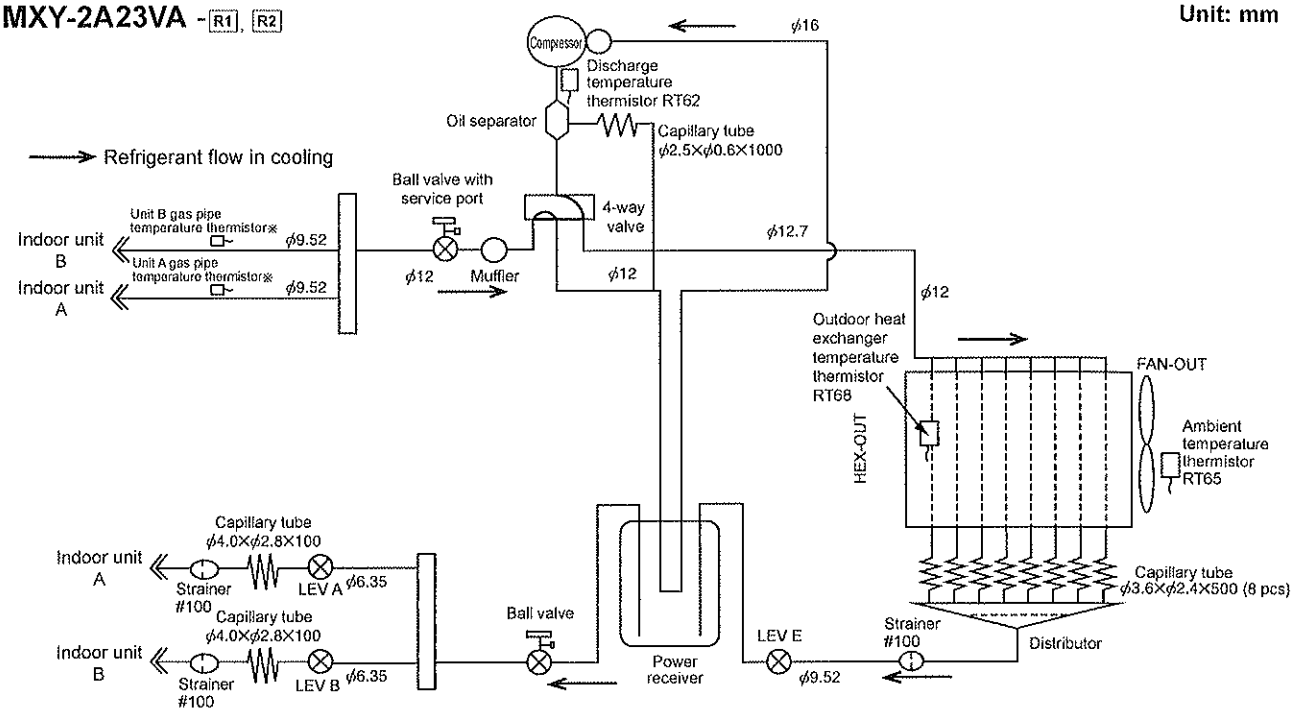

NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.
□□□:Terminal block ○○○:Connector

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|---|---|---|---|---|---|---|---|
| CB1~3 | SMOOTHING CAPACITOR | IPM | POWER MODULE | MF | FAN MOTOR | RT65 | AMBIENT TEMP. THERMISTOR |
| F64 | FUSE (T2AL250V) | L | REACTOR | PFC | POWER FACTOR CONTROLLER | RT68 | OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR |
| F65 | FUSE (T6.3AL250V) | LED1, 2 | LED | PTC64, 65 | CIRCUIT PROTECTION | T801 | TRANSFORMER |
| F801 | FUSE (T3.15AL250V) | LEV A~D | EXPANSION VALVE | RT61 | DEFROST THERMISTOR | TB1~5 | TERMINAL BLOCK |
| HC930 | POWER MODULE | LEV E | EXPANSION VALVE | RT62 | DISCHARGE TEMP. THERMISTOR | X64 | RELAY |
| IC801 | POWER DEVICE | MC | COMPRESSOR | RT64 | FIN TEMP. THERMISTOR | | |

# 7 REFRIGERANT SYSTEM DIAGRAM

## MXY-2A23VA - R1, R2

Unit: mm

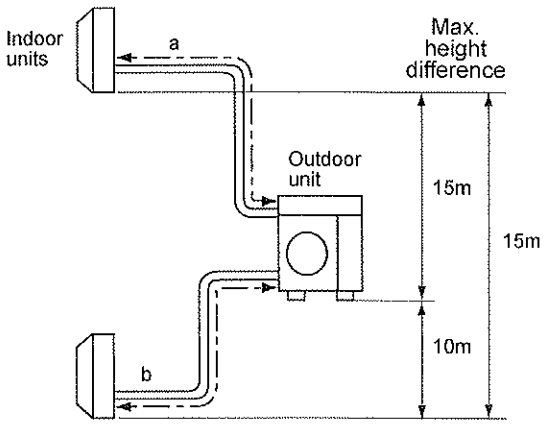



※ Except MXY-2A23VA - R2.

## MAX REFRIGERANT PIPING LENGTH

| | |
|---|---|
| Piping length each indoor unit (a, b) | 25m |
| Total piping length (a+b) | 50m |
| Bending point for each unit | 25 |
| Total bending point | 50 |

※It does not matter which unit is higher.




## ADDITIONAL REFRIGERANT CHARGE

| Outdoor unit precharged (g) | Refrigerant piping length (one way, 2 unit total) | |
|---|---|---|
| | 40m | 50m |
| 2,700 | 0 | 200 |

Calculation : Xg = 20g/m x (Refrigerant piping length(m)-40)

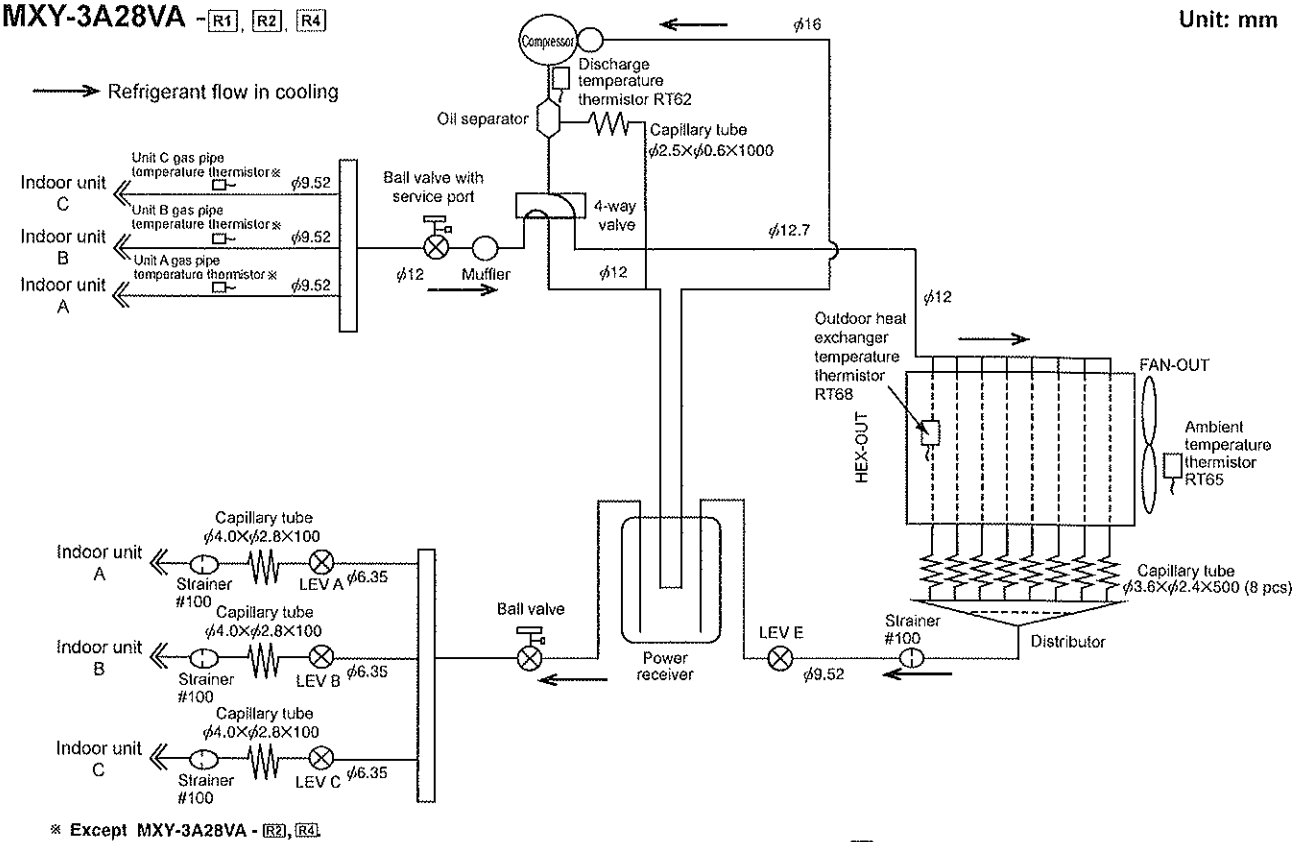
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 15-1.

Unit: mm (inch)

| Outdoor unit union diameter | | |
|---|---|---|
| For | | |
| Indoor unit A | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit B | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |

## MXY-3A28VA - R1, R2, R4

Unit: mm

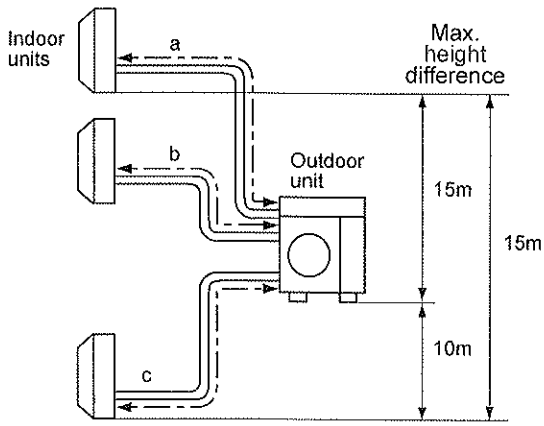



※ **Except MXY-3A28VA - R2, R4**

### MAX REFRIGERANT PIPING LENGTH

| | |
|---|---|
| Piping length each indoor unit (a, b, c) | 25m |
| Total piping length (a+b+c) | 60m |
| Bending point for each unit | 25 |
| Total bending point | 60 |

※It does not matter which unit is higher.




### ADDITIONAL REFRIGERANT CHARGE

| Outdoor unit precharged (g) | Refrigerant piping length (one way, 3 unit total) | | |
|---|---|---|---|
| | 40m | 50m | 60m |
| 2,700 | 0 | 200 | 400 |

Calculation : Xg=20g/mx(Refrigerant piping length(m)-40)

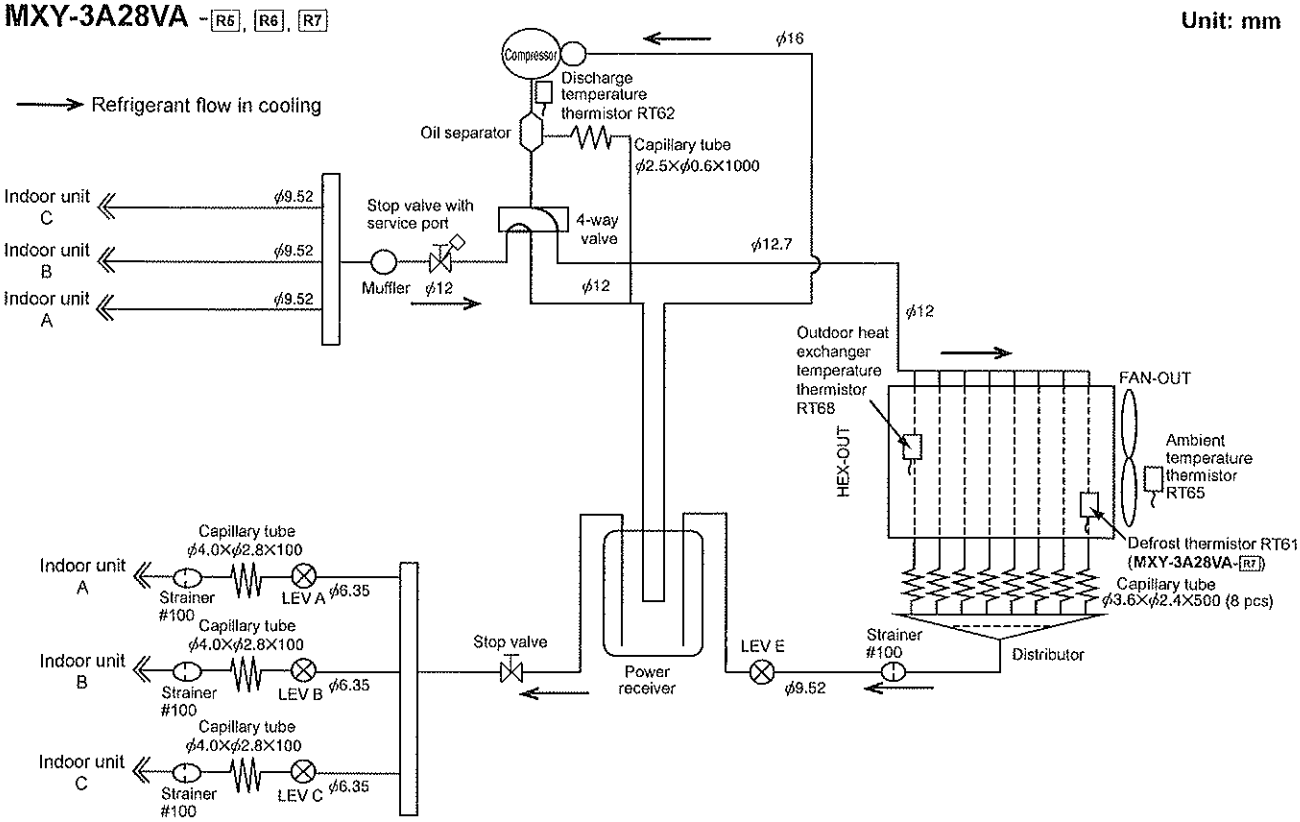
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 15-1.

Unit: mm (inch)

| Outdoor unit union diameter | | |
|---|---|---|
| For | | |
| Indoor unit A | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit B | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit C | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |

## MXY-3A28VA -R5, R6, R7

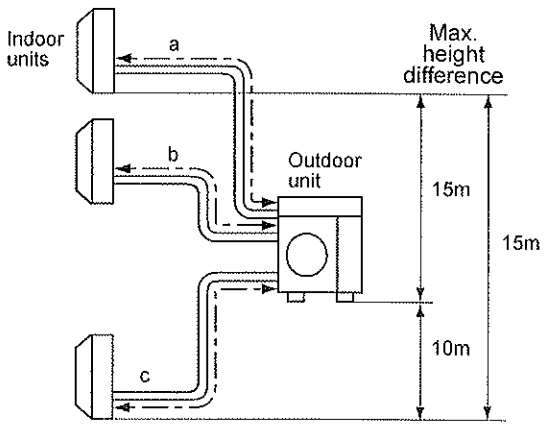
Unit: mm




### MAX REFRIGERANT PIPING LENGTH

| | |
|---|---|
| Piping length each indoor unit (a, b, c) | 25m |
| Total piping length (a+b+c) | 60m |
| Bending point for each unit | 25 |
| Total bending point | 60 |

※It does not matter which unit is higher.




### ADDITIONAL REFRIGERANT CHARGE

| Outdoor unit precharged (g) | Refrigerant piping length (one way, 3 unit total) | | |
|---|---|---|---|
| | 40m | 50m | 60m |
| 2,700 | 0 | 200 | 400 |

Calculation : Xg=20g/m×(Refrigerant piping length(m)-40)

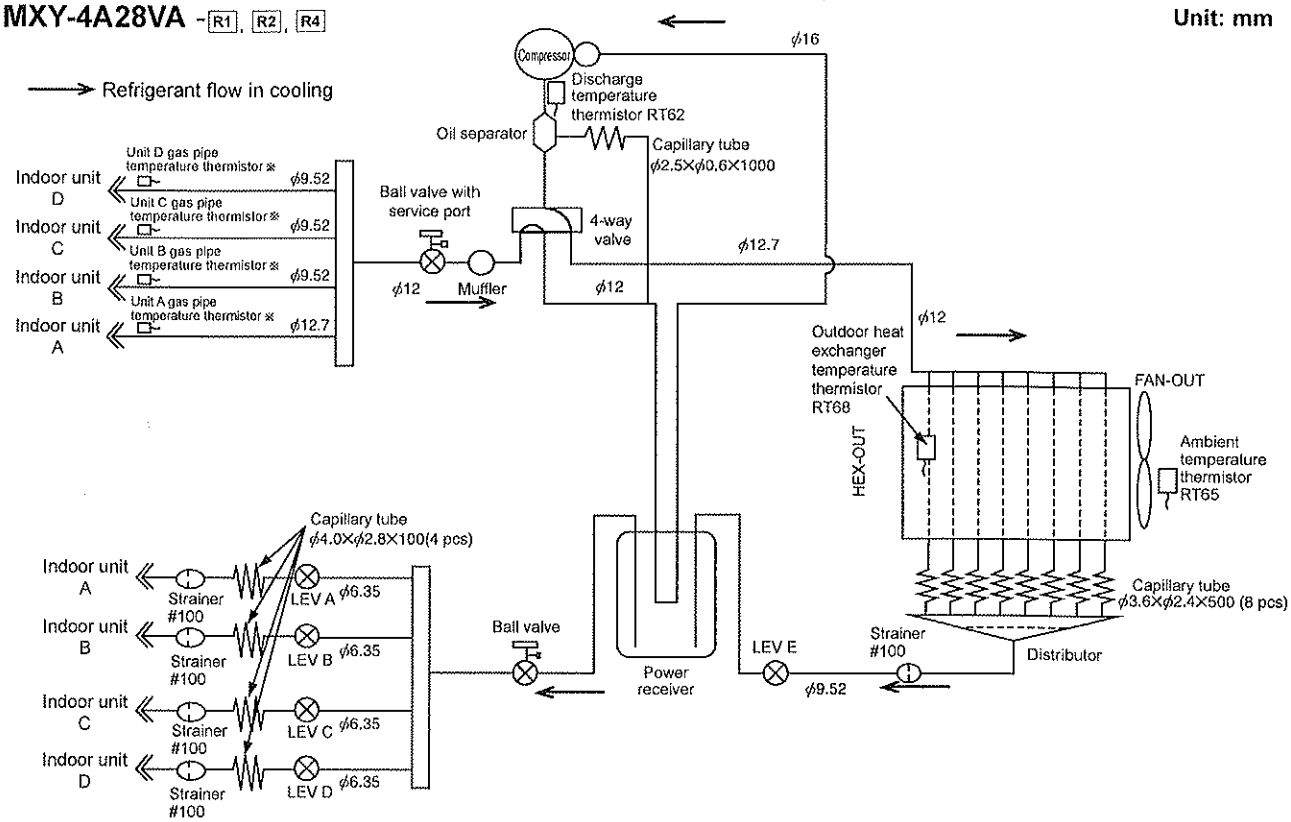
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 15-1.

Unit: mm (inch)

| Outdoor unit union diameter | | |
|---|---|---|
| For | | |
| Indoor unit A | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit B | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit C | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |

## MXY-4A28VA -R1, R2, R4

Unit: mm

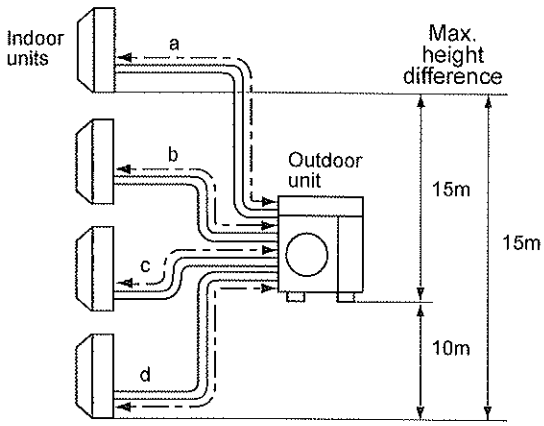



※ **Except MXY-4A28VA - R2, R4.**

## MAX REFRIGERANT PIPING LENGTH

| | |
|---|---|
| Piping length each indoor unit (a, b, c, d) | 25m |
| Total piping length (a+b+c+d) | 60m |
| Bending point for each unit | 25 |
| Total bending point | 60 |

※It does not matter which unit is higher.




## ADDITIONAL REFRIGERANT CHARGE

| Outdoor unit precharged (g) | Refrigerant piping length (one way, 4 unit total) | | |
|---|---|---|---|
| | 40m | 50m | 60m |
| 2,700 | 0 | 200 | 400 |

Calculation : Xg=20g/mx(Refrigerant piping length(m)-40)

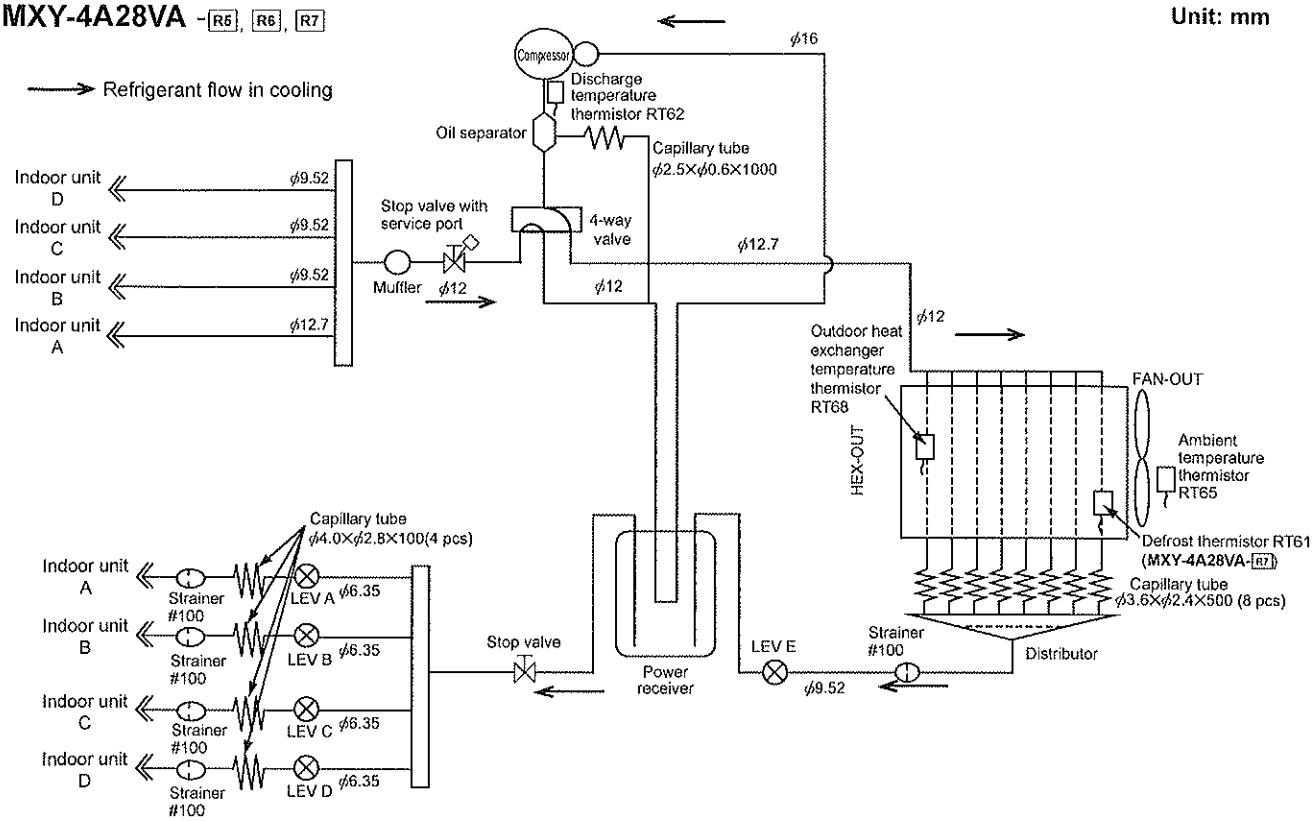
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 15-1.

Unit: mm (inch)

| Outdoor unit union diameter | | |
|---|---|---|
| For | | |
| Indoor unit A | Liquid | 6.35(1/4) |
| | Gas | 12.7(1/2) |
| Indoor unit B | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit C | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit D | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |

## MXY-4A28VA -R5, R6, R7

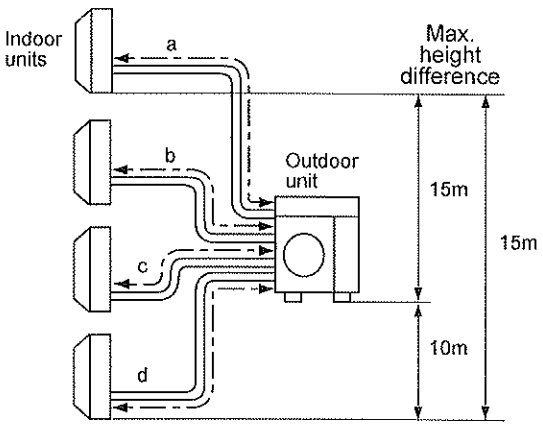
Unit: mm




## MAX REFRIGERANT PIPING LENGTH

| | |
|---|---|
| Piping length each indoor unit (a, b, c, d) | 25m |
| Total piping length (a+b+c+d) | 60m |
| Bending point for each unit | 25 |
| Total bending point | 60 |

※It does not matter which unit is higher.




## ADDITIONAL REFRIGERANT CHARGE

| Outdoor unit precharged (g) | Refrigerant piping length (one way, 4 unit total) | | |
|---|---|---|---|
| | 40m | 50m | 60m |
| 2,700 | 0 | 200 | 400 |

Calculation : Xg=20g/mx(Refrigerant piping length(m)-40)

- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 15-1.

Unit: mm (inch)

| Outdoor unit union diameter | | |
|---|---|---|
| For | | |
| Indoor unit A | Liquid | 6.35(1/4) |
| | Gas | 12.7(1/2) |
| Indoor unit B | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit C | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |
| Indoor unit D | Liquid | 6.35(1/4) |
| | Gas | 9.52(3/8) |

# 8 PERFORMANCE CURVES

## MXY-2A23VA
## MXY-3A28VA
## MXY-4A28VA

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**

207~253 V

**(2) AIR FLOW**

Air flow should be set at MAX.

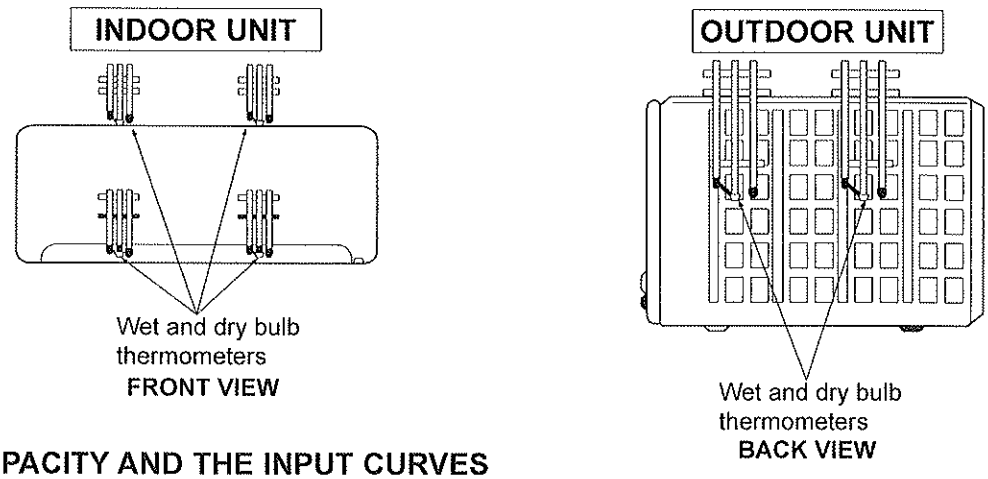
**(3) MAIN READINGS**

(1) Indoor intake air wet-bulb temperature : °CWB
(2) Indoor outlet air wet-bulb temperature : °CWB
(3) Outdoor intake air dry-bulb temperature : °CDB
(4) 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.

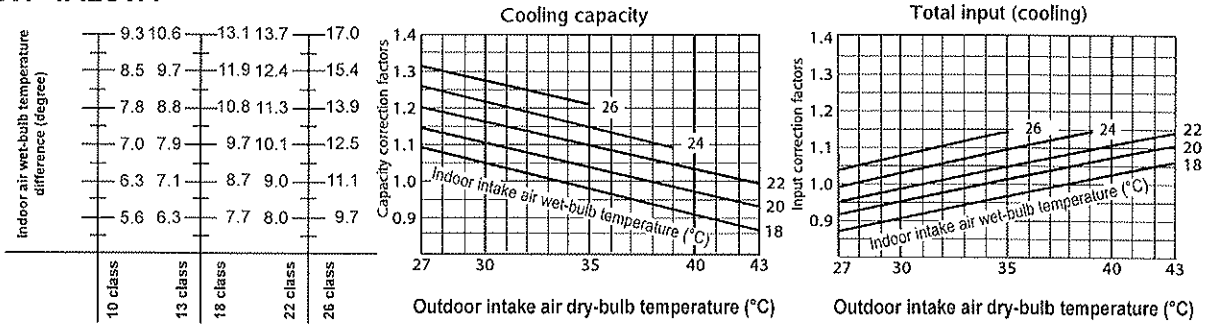
**How to measure the indoor air wet and dry bulb temperature difference**

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 to start the EMERGENCY COOL 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.



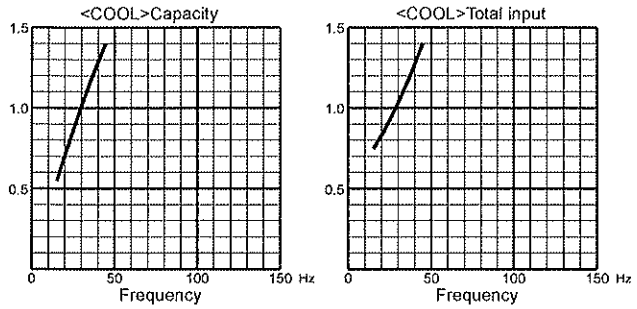

## 8-1. CAPACITY AND THE INPUT CURVES

## MXY-2A23VA
## MXY-3A28VA
## MXY-4A28VA

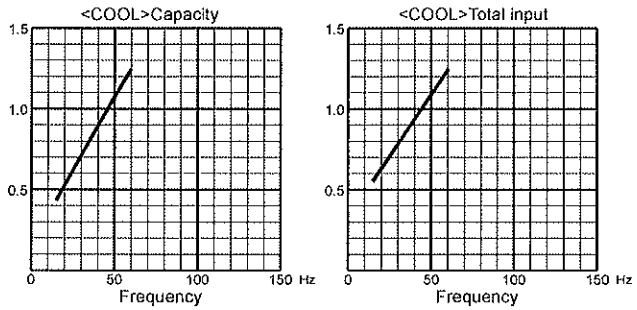


## 8-2. CAPACITY AND INPUT CORRECTION BY INVERTER OUTPUT FREQUENCY (OUTDOOR UNIT: MXY-2A23VA MXY-3A28VA MXY-4A28VA)

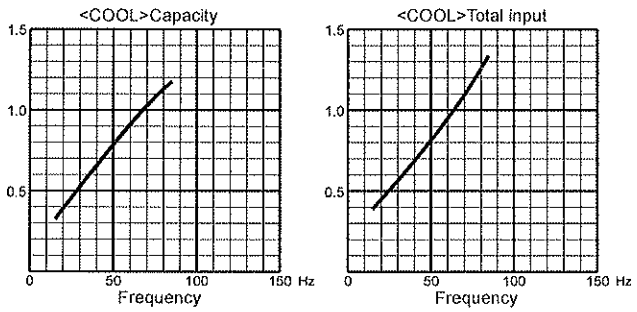
1. 10-class unit in single operation



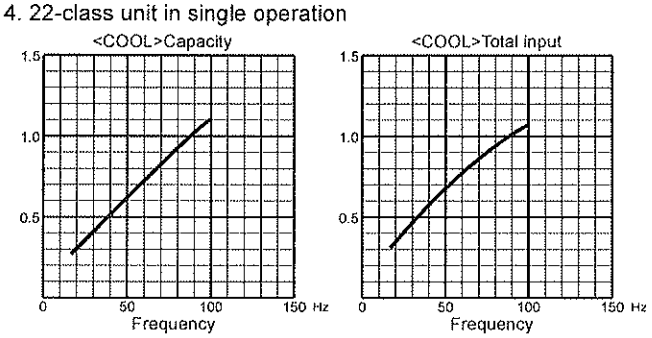

2. 13-class unit in single operation



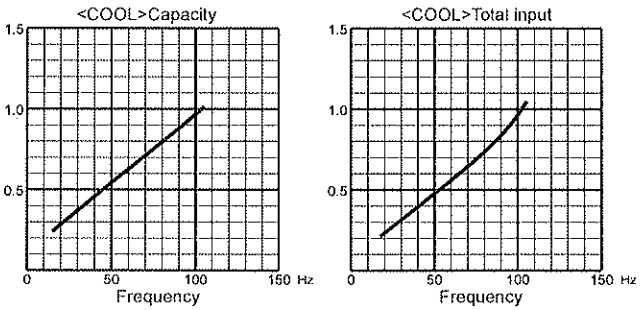

3. 18-class unit in single operation




4. 22-class unit in single operation




5. 26-class unit in single operation



## 8-3. OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

### 1. 10-class unit in single operation (OUTDOOR UNIT: MXY-2A23VA MXY-3A28VA MXY-4A28VA)

**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1(MPa[Gauge]) ≈10.2(kgf/cm² [Gauge])**

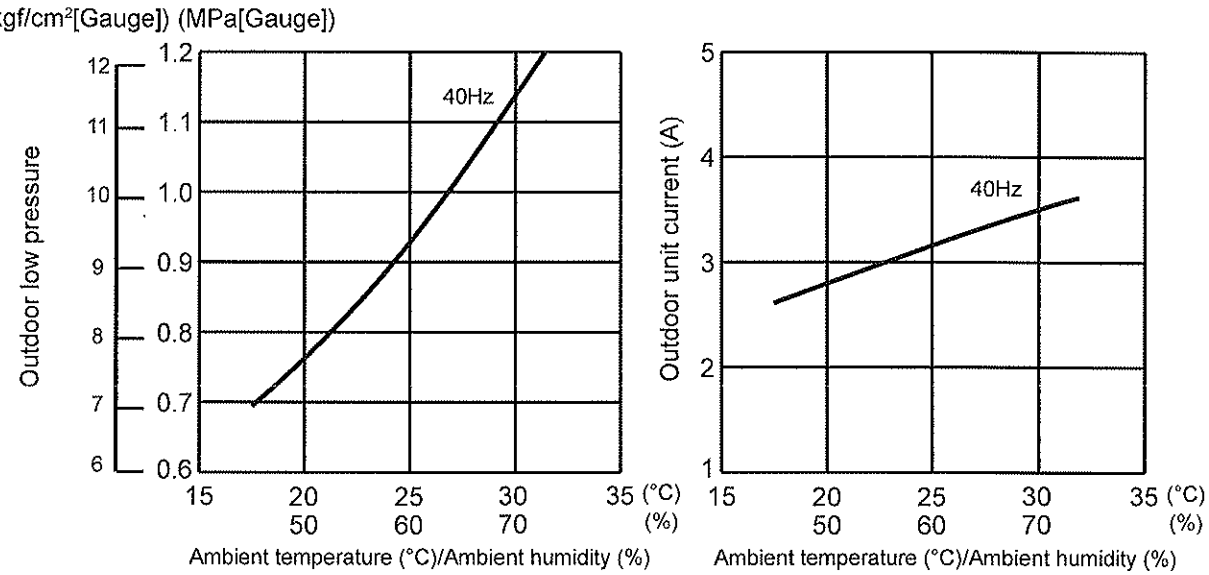
### COOL operation

① Both indoor and outdoor units are under the same temperature/humidity condition.

| Dry-bulb temperature (°C) | Relative humidity(%) |
|---|---|
| 20 | 50 |
| 25 | 60 |
| 30 | 70 |

② Air flow speed: High
③ Inverter output frequency: 40 Hz

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



## 2. 13-class unit in single operation
## (OUTDOOR UNIT: MXY-2A23VA MXY-3A28VA MXY-4A28VA)

**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1(MPa[Gauge]) =10.2(kgf/cm²[Gauge])**

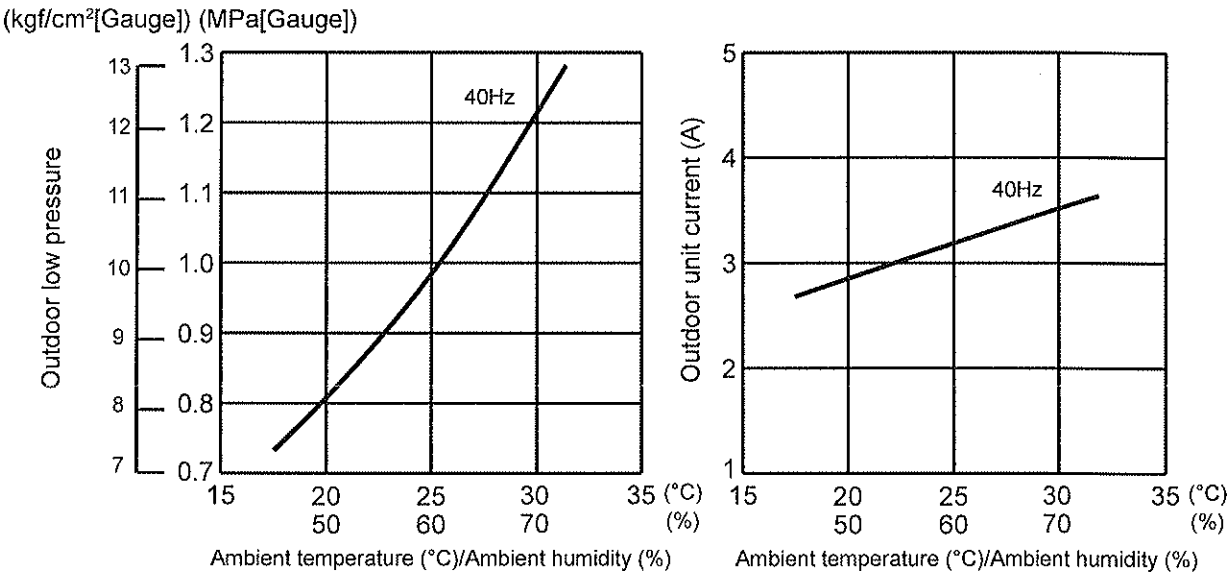
### COOL operation

① Both indoor and outdoor units are under the same temperature/humidity condition.

| Dry-bulb temperature (°C) | Relative humidity(%) |
|---|---|
| 20 | 50 |
| 25 | 60 |
| 30 | 70 |

② Air flow speed: High
③ Inverter output frequency: 40 Hz

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



## 3. 18-class unit in single operation
## (OUTDOOR UNIT: MXY-2A23VA MXY-3A28VA MXY-4A28VA)

**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1(MPa[Gauge]) =10.2(kgf/cm²[Gauge])**

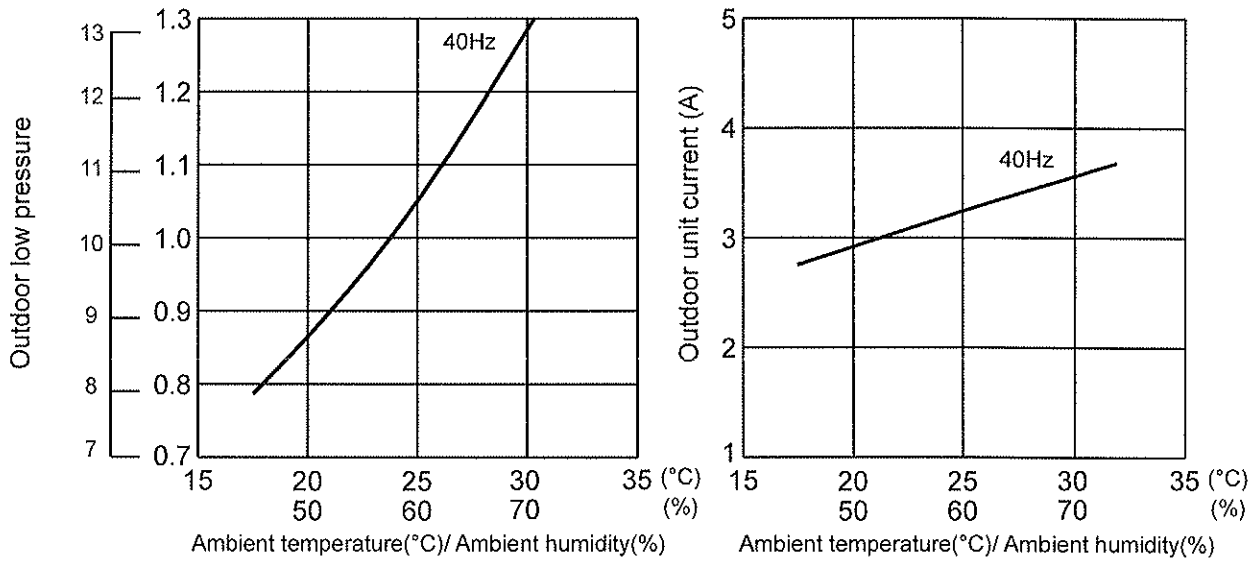
### COOL operation

① Both indoor and outdoor units are under the same temperature/humidity condition.

| Dry-bulb temperature (°C) | Relative humidity(%) |
|---|---|
| 20 | 50 |
| 25 | 60 |
| 30 | 70 |

② Air flow speed: High
③ Inverter output frequency: 40 Hz

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



## 4. 22-class unit in single operation
## (OUTDOOR UNIT: MXY-2A23VA MXY-3A28VA MXY-4A28VA)

**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1(MPa[Gauge]) =10.2(kgf/cm²[Gauge])**

### COOL operation

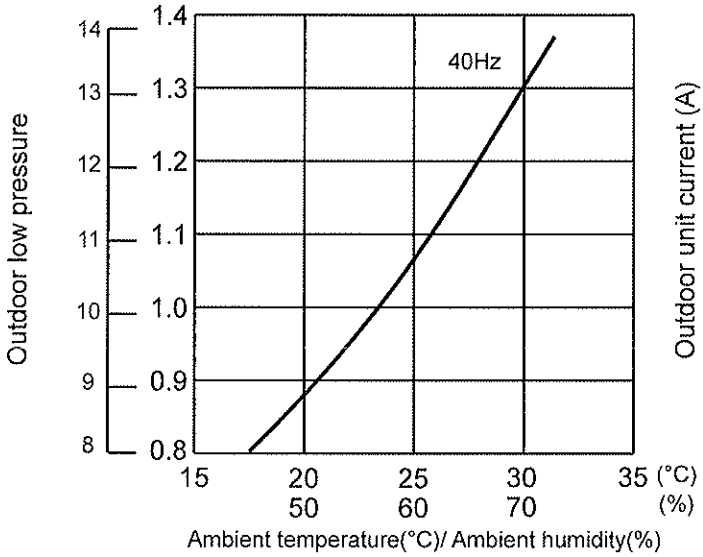
① Both indoor and outdoor units are under the same temperature/humidity condition.

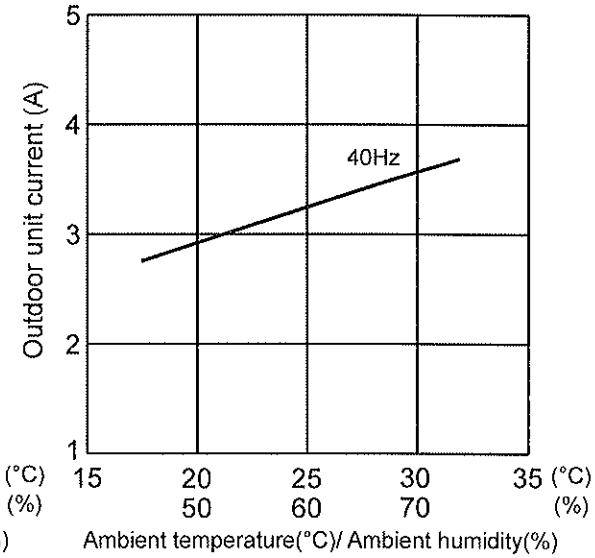
| Dry-bulb temperature (°C) | Relative humidity(%) |
|---|---|
| 20 | 50 |
| 25 | 60 |
| 30 | 70 |

② Air flow speed: High
③ Inverter output frequency: 40 Hz

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

(kgf/cm²[Gauge]) (MPa[Gauge])



## 5. 26-class unit in single operation (OUTDOOR UNIT: MXY-3A28VA MXY-4A28VA)

**NOTE:** The unit of pressure has been changed to MPa on the international system of units (SI unit system).
The conversion factor is: **1(MPa[Gauge]) =10.2(kgf/cm²[Gauge])**

### COOL operation

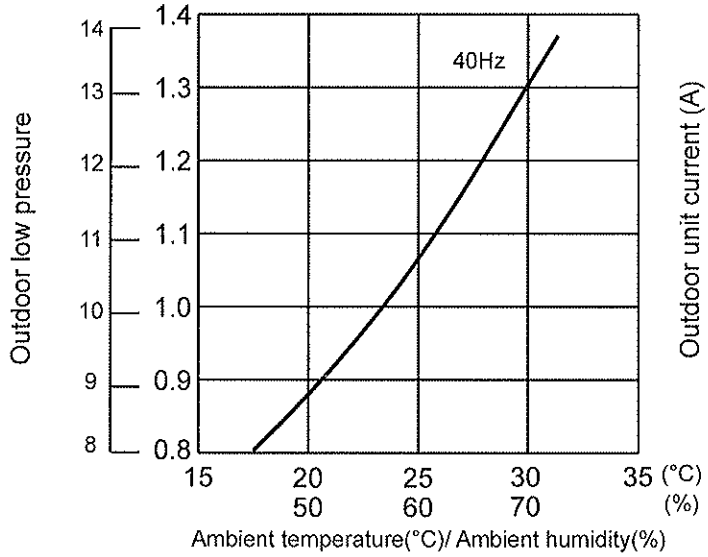
① Both indoor and outdoor units are under the same temperature/humidity condition.

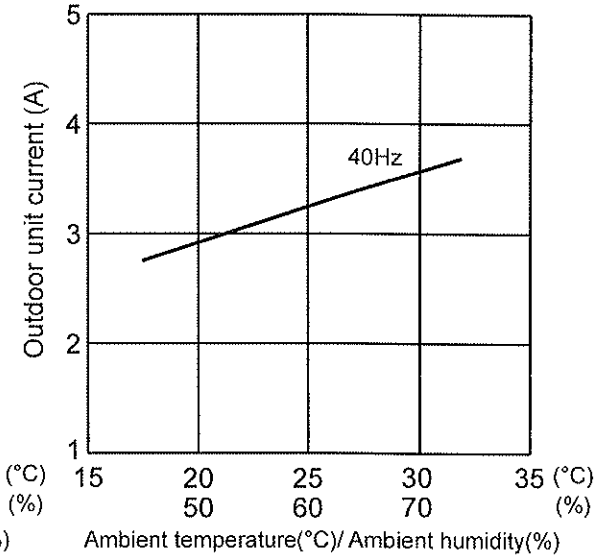
| Dry-bulb temperature (°C) | Relative humidity(%) |
|---|---|
| 20 | 50 |
| 25 | 60 |
| 30 | 70 |

② Air flow speed: High
③ Inverter output frequency: 40 Hz

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

(kgf/cm²[Gauge]) (MPa[Gauge])




# 9 ACTUATOR CONTROL

## MXY-2A23VA
## MXY-3A28VA
## MXY-4A28VA

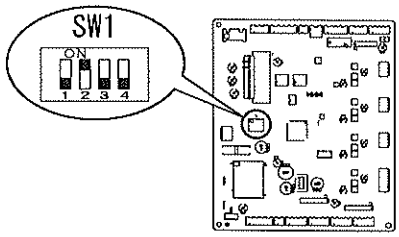
**Relation between main sensor and actuator**

| Sensor | Purpose | Actuator | | |
|---|---|---|---|---|
| | | Compressor | LEV | Outdoor fan motor |
| Discharge temperature thermistor | Protection | ○ | ○ | |
| Indoor pipe temperature thermistor | Defrosting Protection | ○ | ○ | ○ |
| Gas pipe temperature thermistor (**MXY-2A23VA-R1**, **MXY-3A28VA-R1**, **MXY-4A28VA-R1**) | Control | | ○ | |
| Fin temperature thermistor | Protection | ○ | | ○ |
| Ambient temperature thermistor | Control | ○ | ○ | ○ |
| Outdoor heat exchanger temperature | Protection | ○ | ○ | ○ |
| Defrost thermistor (**MXY-3A28VA-R7**, **MXY-4A28VA-R7**) | Preheat control | ○ | | |
| Capacity code | Control | ○ | ○ | |

# 10 SERVICE FUNCTIONS

## MXY-2A23VA
## MXY-3A28VA
## MXY-4A28VA

### 10-1. CHANGING THE AMPERE LIMIT

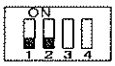



• Description of the function:
With this function, the current of the outdoor unit can be changed.

**NOTE:**
Use this function only when the amount of current exceeds the allowed value, which differs from home to home, or the value specified by HDB or local authority.

**[How to change the ampere limit]**

①Turn OFF the power supply for the air conditioner before making the setting.
②Make the setting referring to the table below.
③Turn ON the power supply for the air conditioner.

| SW 1 | MXY-2A23VA | MXY-3A28VA | MXY-4A28VA |
|---|---|---|---|
|  | Initial setting 8.5A | Initial setting 8.5A | Initial setting 8.5A |
|  | 11A | 11A | 11A |
|  | Full | Full | Full |

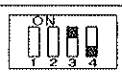
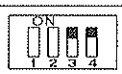
### 10-2. LOWERING THE OPERATING NOISE OF THE OUTDOOR UNIT

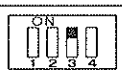
• Description of the function:
With this function, you can lower the operating noise of the outdoor unit when the outside temperature falls to a certain degree (26°C or 28°C) which you can select by changing the Dip Switch setting. However, please note that the cooling capacity can also be lowered if this function is activated.

* Initial setting is required to activate this function. Please explain about this function to your customers and ask them whether they want to use it.

**[How to lower the operating noise]**

①Be sure to turn OFF the power supply for the air conditioner before making the setting.
②Make the setting referring to the table below.
③Turn ON the power supply for the air conditioner.

| SW 1 | To activate this function at outside temperature; |
|---|---|
| | MXY-2A23VA - R1<br>MXY-3A28VA - R1<br>MXY-4A28VA - R1 |
|  | 26°C |
|  | 28°C |

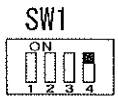
| SW 1 | To activate this function at outside temperature; |
|---|---|
| | MXY-2A23VA - R2<br>MXY-3A28VA - R2, R4, R5, R6, R7<br>MXY-4A28VA - R2, R4, R5, R6, R7 |
|  | 26°C |

### 10-3. PRE-HEAT CONTROL
**<MXY-2A23VA-[R2], MXY-3A28VA-[R2], [R4], [R6], [R6], [R7], MXY-4A28VA-[R2], [R4], [R6], [R6], [R7]>**

If moisture gets into the refrigerant cycle, or when refrigerant is liquefied and collected in the compressor, it may interfere the start-up 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]**

①Turn OFF the power supply for the air conditioner before making the setting.
②Set the "4" of SW1 on the outdoor electronic control P.C. board to ON to deactivate pre-heat control function.
③Turn ON the power supply for the air conditioner.




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

# 11 TROUBLESHOOTING

## MXY-2A23VA
## MXY-3A28VA
## MXY-4A28VA

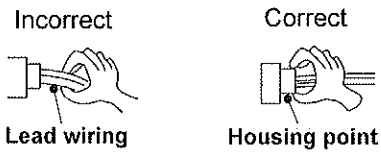
### 11-1. CAUTIONS ON TROUBLESHOOTING

**1. Before troubleshooting, check the following:**

1) Check the power supply voltage.
2) Check the indoor/outdoor connecting wire for mis-wiring.

**2. Take care 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 electronic 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 housing of the connector. DO NOT pull the lead wires.




**3. Troubleshooting procedure**

1) Check if the OPERATION INDICATOR lamp on the indoor unit is flashing on and off to indicate an abnormality. To make sure, check how many times the OPERATION INDICATOR lamp is flashing on and off before starting service work.
2) When the electronic control P.C. board seems to be defective, check the copper foil pattern for disconnection and the components for bursting and discoloration.
3) When troubleshooting, refer to 11-2, 11-3 and 11-4.

### 11-2. FAILURE MODE RECALL FUNCTION

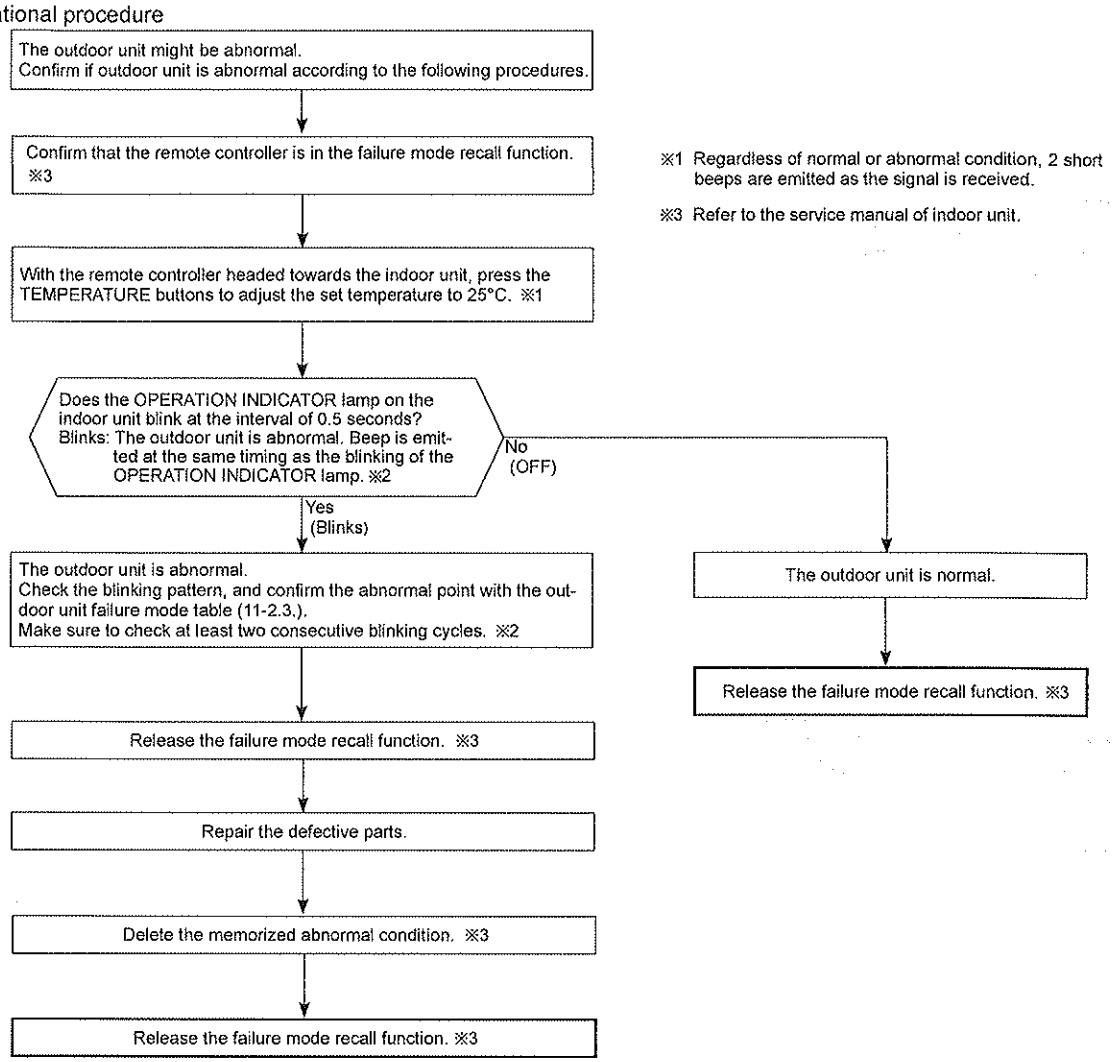
This air conditioner can memorize the abnormal condition which has occurred once.
Even though LED indication listed on the troubleshooting check table (11-4) disappears, the memorized failure details can be recalled.

**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

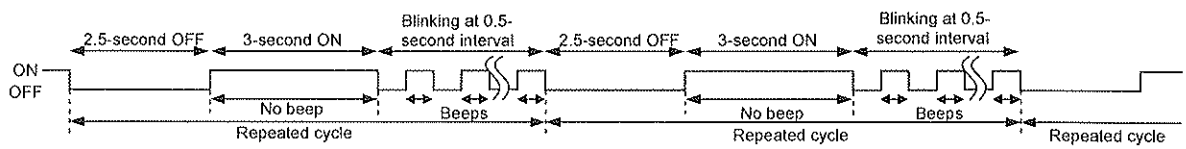



※1 Regardless of normal or abnormal condition, 2 short beeps are emitted as the signal is received.

※3 Refer to the service manual of indoor unit.

**NOTE:** 1. Make sure to release the failure mode recall function once 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:



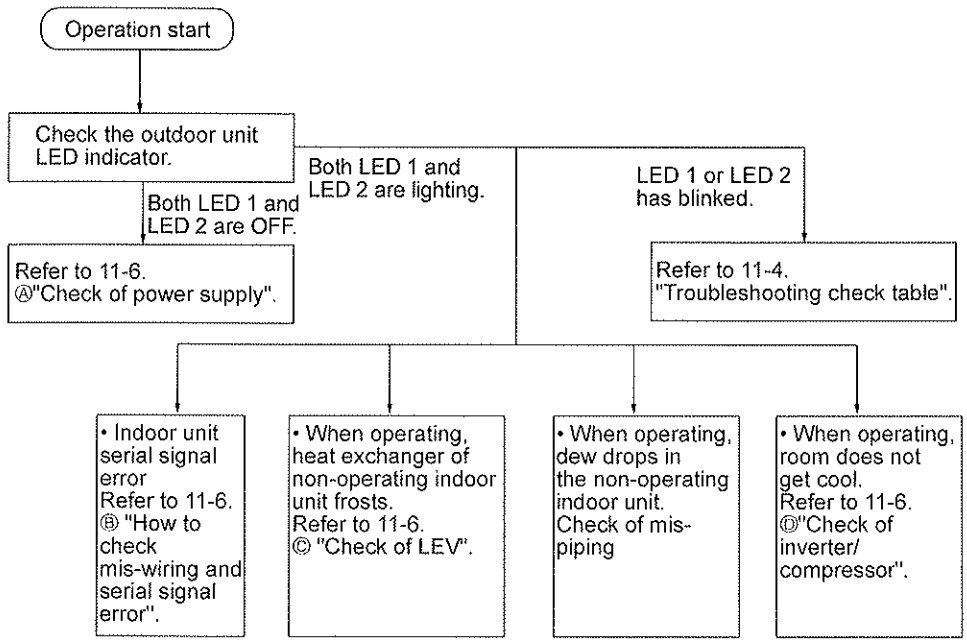
### 3. Failure mode table

| Indoor operation indicator lamp | Abnormal point (Failure mode) | Details of abnormal point | Outdoor LED indication LED1 | Outdoor LED indication LED2 | Detecting method | Check point | Indoor/outdoor failure mode recall function |
|---|---|---|---|---|---|---|---|
| OFF | Normal | — | Lighting | Lighting | — | — | — |
| 2-time flash | Outdoor power system | Outdoor power system | Lighting | Lighting | When IPM protection stop or lock protection stop is continuously performed three times within 1 minute after the compressor gets started, or when converter protection stop or bus-bar voltage protection stop is continuously performed three times within 3 minutes after start-up. | • Check the connection of the compressor connecting wire.<br>• Check the inverter/compressor. (Refer to 11-6.Ⓖ.)<br>• Check the stop valve.<br>• Check the PAM module. | ○ |
| 3-time flash | Outdoor thermistors | Discharge temperature thermistor | Lighting | Once | When a short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 10 minutes of compressor start-up. | • Check the outdoor thermistors. (Refer to 11-6.Ⓔ.) | |
| | | Defrost thermistor | | | | | |
| | | Ambient temperature thermistor | Lighting | Twice | When a short or open circuit is detected in the thermistor during operation. | | |
| | | Fin temperature thermistor | Lighting | 3 times | | | |
| | | P.C. board temperature thermistor | Lighting | 4 times | | • Replace the outdoor electronic control P.C. board. | |
| | | Outdoor heat exchanger temperature thermistor | Lighting | 9 times | When a short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 5 minutes of compressor start-up. | • Check the outdoor unit thermistors. (Refer to 11-6.Ⓔ.) | ○ |
| | | Gas pipe temperature thermistor A | Lighting | 10 times | When a short or open circuit is detected in the thermistor during operation.<br>(A,B : **MXY-2A23VA - R1**<br>**MXY-3A28VA - R1**<br>**MXY-4A28VA - R1** )<br>(C: **MXY-3A28VA - R1**<br>**MXY-4A28VA - R1** )<br>(D: **MXY-4A28VA - R1** ) | | |
| | | Gas pipe temperature thermistor B | Lighting | 11 times | | | |
| | | Gas pipe temperature thermistor C | Lighting | 12 times | | | |
| | | Gas pipe temperature thermistor D | Lighting | 13 times | | | |
| 4-time flash | Overcurrent protection | IPM protection | Once | Goes out | When overcurrent is detected after 30 seconds of compressor start-up. | • Check the connection of the compressor connecting wire.<br>• Check the inverter/compressor. (Refer to 11-6.Ⓖ.)<br>• Check the stop valve. | — |
| | | Lock protection | Once | Goes out | When overcurrent is detected within 30 seconds after the compressor gets started. | | |
| 5-time flash | Refrigerant system protection | Discharge temperature protection | Lighting | Lighting | When discharge temperature exceeds 116°C during operation. | • Check the amount of gas and refrigerant circuit.<br>• Check the LEV. (Refer to 11-6.Ⓒ.) | — |
| 6-time flash | High-pressure protection | High-pressure protection | Lighting | Lighting | When the outdoor heat exchanger temperature exceeds 70 °C during operation. | • Check the amount of gas and the refrigerant circuit.<br>• Check the stop valve. | — |
| 7-time flash | Fin temperature/P.C. board temperature overheat protection | Fin temperature protection | 3 times | Goes out | When the fin temperature exceeds 89°C during operation. | • Check the surrounding of the outdoor unit.<br>• Check the air passage.<br>• Check the outdoor fan motor. (Refer to 11-6.Ⓓ.) | — |
| | | P.C. board temperature protection | 4 times | Goes out | When the P.C. board temperature exceeds 73°C during operation. | | |
| 8-time flash | Fan protection | Fan protection | Lighting | Lighting | When failure occurs continuously three times within 30 seconds after the fan gets started. | • Check the outdoor fan motor. (Refer to 11-6.Ⓓ.) | — |
| 9-time flash | Outdoor control system | EEPROM | Lighting | 5 times | When the nonvolatile memory data cannot be read properly. | • Replace the outdoor electronic control P.C. board. | ○ |
| 10-time flash | Low discharge temperature protection | Low discharge temperature protection | Lighting | Lighting | When the frequency of the compressor is kept 80Hz or more and the discharge temperature is kept under 50°C for more than 40 minutes. | • Check the amount of gas and refrigerant circuit.<br>• Check the LEV. (Refer to 11-6.Ⓒ.) | — |

| Indoor operation indicator lamp | Abnormal point (Failure mode) | Details of abnormal point | Outdoor LED indication | | Detecting method | Check point | Indoor/outdoor failure mode recall function |
|---|---|---|---|---|---|---|---|
| | | | LED1 | LED2 | | | |
| OFF | Normal | — | Lighting | Lighting | — | — | — |
| 11-time flash | Converter | Communication error between P.C. boards | Lighting | 6 times | When the communication between boards protection stop is continuously performed twice. | • Check the connecting wire between outdoor electronic control P.C. board and power board. | ○ |
| | | Communication between P.C. boards protection | Lighting | 6 times | Communication error occurs between the electronic control P.C. board and power board for more than 10 seconds. | | — |
| | | Current sensor | Lighting | 7 times | Current sensor protection stop is continuously performed twice. | • Replace the power board. | ○ |
| | | Current sensor protection | Lighting | 7 times | When a short or open circuit is detected in the current sensor during compressor operating. | | — |
| | | Zero cross detecting circuit | 5 times | Goes out | The protection stop of the zero cross detecting circuit is continuously performed 10 times. | • Check the connecting wire among electronic control P.C. board, noise filter P.C. board and power board. | ○ |
| | | Zero cross detecting circuit protection | 5 times | Goes out | When zero cross signal cannot be detected while the compressor is operating. | | — |
| | | Converter protection | 5 times | Goes out | When a failure is detected in the operation of the converter during operation. | • Check the voltage of power supply.<br>• Replace the power board. | |
| | | Bus-bar voltage protection (1) | 5 times | Goes out | When the bus-bar voltage exceeds 400V or falls to 200V or below during compressor operating. | | |
| | | Bus-bar voltage protection (2)<br>※Even if this protection stop is performed continuously three times, it does not mean the abnormality in outdoor power system. | 6 times | Goes out | When the bus-bar voltage exceeds 400V or falls to 50V or below during compressor operating. | • Check the voltage of power supply.<br>• Replace the outdoor electronic control P.C. board. | |
| 15-time flash | LEV and drain pump | LEV and drain pump | Lighting | Lighting | When the indoor unit detects an abnormality in the LEV and drain pump. | • Check the LEV. (Refer to 11-6.©.)<br>• Check the drain pump of the indoor unit. | — |

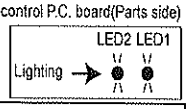
## 11-3. INSTRUCTION OF TROUBLESHOOTING

Note: Check the indoor unit with referring to the indoor unit service manual, and confirm that there is any problem in the indoor unit.



## 11-4. TROUBLESHOOTING CHECK TABLE

Outdoor electronic control P.C. board(Parts side)




Note 1. The location of LED is illustrated at the right figure.
2. LED lights up during normal operation.

| Symptom: Outdoor unit does not operate. | | | | |
|---|---|---|---|---|
| Indication | | Abnormal point | Detecting method | Check points |
| LED1(Red) | LED2(Yellow) | | | |
| Lightning | Once | LEV and drain pump | When the indoor unit detects an abnormality in the LEV and drain pump. | • Check the LEV. (Refer to 11-6. Ⓐ)<br>• Check the drain pump of the indoor unit. |
| Lightning | Twice | Outdoor power system | When IPM protection stop or lock protection stop is continuously performed three times within 1 minute after the compressor gets started, or when converter protection stop or bus-bar voltage protection stop is continuously performed three times within 3 minutes after start-up. | • Check the connection of the compressor connecting wire.<br>• Check the inverter/compressor. (Refer to 11-6. Ⓑ)<br>• Check the stop valve.<br>• Check the power module (PAM module). |
| Lightning | 3 times | Discharge temperature thermistor | When a short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 10 minutes of compressor start-up. | • Check the discharge temperature thermistor. (Refer to 11-6. Ⓔ) |
| Lightning | 4 times | Fin temperature thermistor | When a short or open circuit is detected in the thermistor during operation. | • Check the fin temperature thermistor.(Refer to 11-6. Ⓒ) |
| | | P.C board temperature thermistor | | • Replace the outdoor electronic control P.C. board. |
| Lightning | 5 times | Ambient temperature thermistor | When a short or open circuit is detected in the thermistor during operation. | • Check the ambient temperature thermistor. (Refer to 11-6. Ⓔ) |
| | | Outdoor heat exchanger temperature thermistor | When a short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 5 minutes of compressor start-up. | • Check the outdoor hear exchanger temperature thermistor. (Refer to 11-6. Ⓒ) |
| | | Defrost thermistor | | |
| Lightning | 7 times | EEPROM | When the nonvolatile memory data cannot be read properly. | • Replace the outdoor electronic control P.C. board. |
| Lightning | 8 times | Current sensor | Current sensor protection stop is continuously performed twice. | • Replace the power board. |
| Lightning | 10 times | Gas pipe temperature thermistor A | When a short or open circuit is detected in the thermistor during operation.<br>(A,B : **MXY-2A23VA -** R1<br>**MXY-3A28VA -** R1<br>**MXY-4A28VA -** R1 )<br>(C: **MXY-3A28VA -** R1<br>**MXY-4A28VA -** R1 )<br>(D: **MXY-4A28VA -** R1 ) | • Check each gas pipe temperature thermistor. (Refer to 11-6. Ⓔ) |
| | | Gas pipe temperature thermistor B | | |
| | | Gas pipe temperature thermistor C | | |
| | | Gas pipe temperature thermistor D | | |
| Lightning | 11 times | Communication error between P.C. boards | When the communication protection stop between boards is continuously performed twice. | • Check the connecting wire between outdoor electronic control P.C. board and power board. |
| Lightning | 12 times | Zero cross detecting circuit | The protection stop of the zero cross detecting circuit is continuously performed 10 times. | • Check the connecting wire among outdoor electronic control P.C. board, noise filter P.C. board and power board. |

| Symptom: It is repeated that outdoor unit stops and restarts 3 minutes later. | | | | |
|---|---|---|---|---|
| Indication | | Abnormal point | Detecting method | Check points |
| LED1 | LED2 | | | |
| Twice | Goes out | IPM protection | When over-current is detected after 30 seconds of compressor start-up. | • Check the connection of the compressor connecting wire.<br>• Check the inverter/compressor.(Refer to 11-6. Ⓑ)<br>• Check the stop valve.<br>• Check the power module. |
| | | Lock protection | When over-current is detected within 30 seconds of compressor start-up. | |
| 3 times | Goes out | Discharge temperature protection | When the discharge temperature exceeds 116°C during operation. | • Check the amount of gas and refrigerant circuit.<br>• Check the LEV.(Refer to 11-6. Ⓒ) |
| 4 times | Goes out | Fin temperature protection | When the fin temperature exceeds 89°C during operation. | • Check the surrounding of the outdoor unit.<br>• Check the air passage.<br>• Check the outdoor fan motor. (Refer to 11-6. Ⓔ) |
| | | P.C. board temperature protection | When the P.C. board temperature exceeds 73°C during operation. | |
| 5 times | Goes out | High-pressure protection | When the outdoor heat exchanger temperature exceeds 70°C during operation. | • Check the amount of gas and the refrigerant circuit.<br>• Check the stop valve. |
| 8 times | Goes out | Converter protection | When a failure is detected in the operation of the converter during operation. | • Replace the power board. |
| 9 times | Goes out | Bus-bar voltage protection (1) | When the bus-bar voltage exceeds 400V or falls to 200V or below during compressor operating. | • Check the voltage of power supply.<br>• Replace the power board or the outdoor electronic control P.C. board.<br>• Refer to 11-6. Ⓖ"Check of bus-bar voltage". |
| | | Bus-bar voltage protection (2) | When the bus-bar voltage exceeds 400V or falls to 50V or below during compressor operating. | |
| 13 times | Goes out | Fan protection | When failure occurs continuously three times within 30 seconds after the fan gets started. | • Check the outdoor fan motor.(Refer to 11-6. Ⓓ) |
| Lighting | 8 times | Current sensor protection | When a short or open circuit is detected in the current sensor during compressor operating. | • Replace the power board. |
| Lighting | 11 times | Communication between P.C. boards protection | Communication error occurs between the outdoor electronic control P.C. board and power board for more than 10 seconds. | • Check the connecting wire between outdoor electronic control P.C. board and power board. |
| Lighting | 12 times | Zero cross detecting circuit protection | When zero cross signal cannot be detected while the compressor is operating. | • Check the connecting wire among outdoor electronic control P.C. board, noise filter P.C. board and power board. |

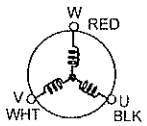
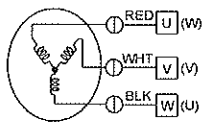
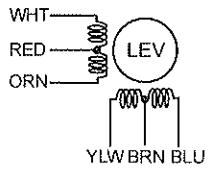
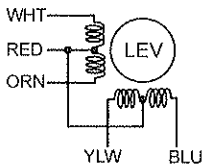
| Symptom: Outdoor unit does not operate normally. | | | | |
|---|---|---|---|---|
| Indication | | Abnormal point | Detecting method | Check points |
| LED1 | LED2 | | | |
| Once | Lighting | Primary current protection | When the input current exceeds 8.5 A.※ | These symptoms do not mean any abnormality of the product, but check the following points.<br>• Indoor unit filter clogging<br>• Amount of gas<br>• Short cycle of indoor/outdoor air flow |
| | | Secondary current protection | When the current of the compressor exceeds 12.5A. | |
| Twice | Lighting | Defrosting in cooling | When the indoor gas pipe temperature falls 10°C or below during operation. | |
| 3 times | Lighting | Discharge temperature protection | When the discharge temperature exceeds 100°C during operation. | • Check the amount of gas and refrigerant circuit.<br>• Check the LEV. (Refer to 11-6.ⓒ.)<br>• Check the outdoor thermistors. (Refer to 11-6.ⓔ.) |
| 4 times | Lighting | Low discharge temperature protection | When the frequency of the compressor is kept 80Hz or more and the discharge temperature is kept under 50°C for more than 40 minutes. | • Check the amount of gas and refrigerant circuit.<br>• Check the LEV. (Refer to 11-6.ⓒ.) |
| 5 times | Lighting | Cooling high-pressure protection | When the outdoor heat exchanger temperature exceeds 47°C during operation. | This symptom does not mean any abnormality of the product, but check the following points.<br>• Indoor unit filter clogging<br>• Amount of gas<br>• Short cycle of indoor/outdoor air flow |

| Symptom: Outdoor unit operates normally. | | | | |
|---|---|---|---|---|
| Indication | | Abnormal point | Detecting method | Check points |
| LED1 | LED2 | | | |
| 9 times | Lighting | Service mode | When the unit is operated with the emergency operation switch. | — |
| Lighting | Lighting | Normal | — | — |

※ The limit differs when the limitation of current has been changed.

## 11-5. TROUBLE CRITERION OF MAIN PARTS

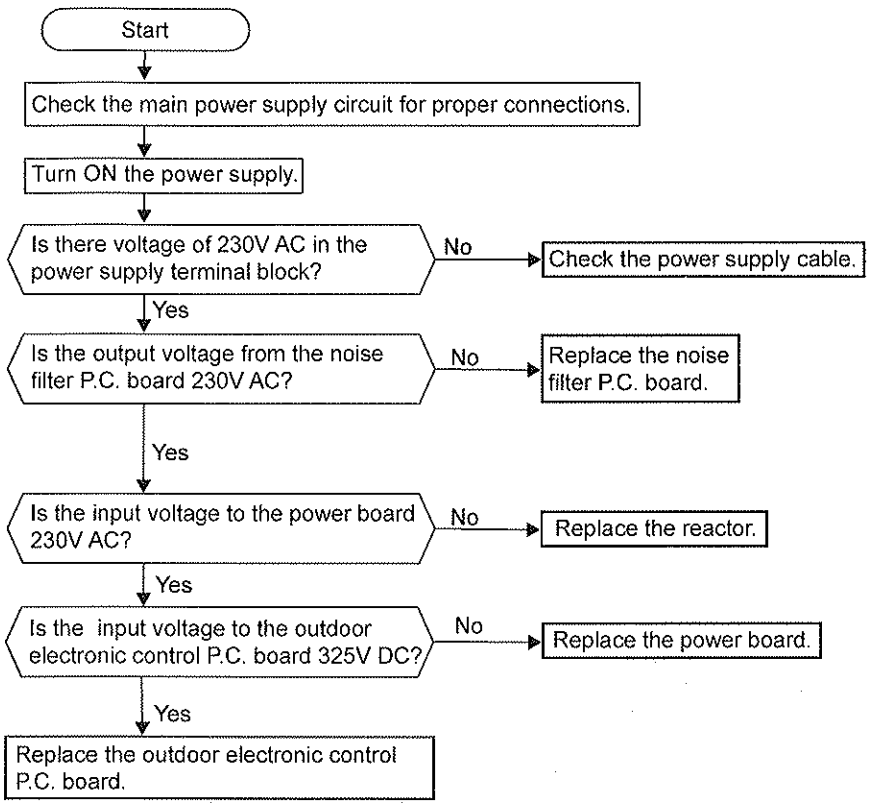
## MXY-2A23VA MXY-3A28VA MXY-4A28VA

<table>
<tr><th>Part name</th><th>Check method and criterion</th></tr>
<tr><td>Defrost thermistor (RT61)<br>MXY-3A28VA-R7<br>MXY-4A28VA-R7<br><br>Fin temperature thermistor (RT64)<br><br>Ambient temperature thermistor (RT65)<br><br>Outdoor heat exchanger temperature thermistor (RT68)</td><td rowspan="2">Measure the resistance with a tester.<br><br>Refer to 11-7. "TEST POINT DIAGRAM AND VOLTAGE", 1. "Outdoor electronic control P.C. board", for the chart of thermistor.</td></tr>
<tr><td>Gas pipe temperature thermistor (RT6A~D)<br>MXY-2A23VA-R1<br>MXY-3A28VA-R1<br>MXY-4A28VA-R1</td></tr>
<tr><td>Discharge temperature thermistor (RT62)</td><td>Measure the resistance with a tester.<br>Before measurement, hold the thermistor with your hands to warm it up.<br><br>Refer to 11-7. "TEST POINT DIAGRAM AND VOLTAGE", 1. "Outdoor electronic control P.C. board", for the chart of thermistor.</td></tr>
<tr><td>Compressor<br>
</td><td>Measure the resistance between terminals using a tester.<br>(Winding temperature: -10°C ~ 40°C)<br><br><table><tr><th colspan="2">Normal (Each phase)</th></tr><tr><td>MXY-2A23/3A28/4A28VA-R1</td><td>MXY-2A23/3A28/4A28VA-R2,<br>MXY-3A28/4A28VA-R4, R5, R6, R7</td></tr><tr><td>0.39 Ω ~ 0.49 Ω</td><td>0.86 Ω ~ 1.06 Ω</td></tr></table></td></tr>
<tr><td>Outdoor fan motor<br>
</td><td>Measure the resistance between lead wires using a tester.<br>(Part temperature: -10°C ~ 40°C)<br><br><table><tr><th>Normal (Each phase)</th></tr><tr><td>13.4 Ω ~ 16.4 Ω</td></tr></table></td></tr>
<tr><td>Linear expansion valve<br>
<br>MXY-3A28VA-R7<br>MXY-4A28VA-R7<br>
</td><td>Measure the resistance using a tester. (Part temperature: -10°C ~ 40°C)<br><br><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 - BRN</td></tr><tr><td>BRN - BLU</td></tr></table><br><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>
</table>

## 11-6. TROUBLESHOOTING FLOW

**Outdoor unit does not operate.**

**Ⓐ Check of power supply**



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

## Ⓑ How to check mis-wiring and serial signal error (when outdoor unit does not work)

### LED indication for communication status

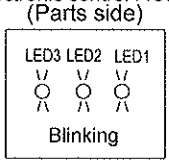
Communication status is indicated by the LED.

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

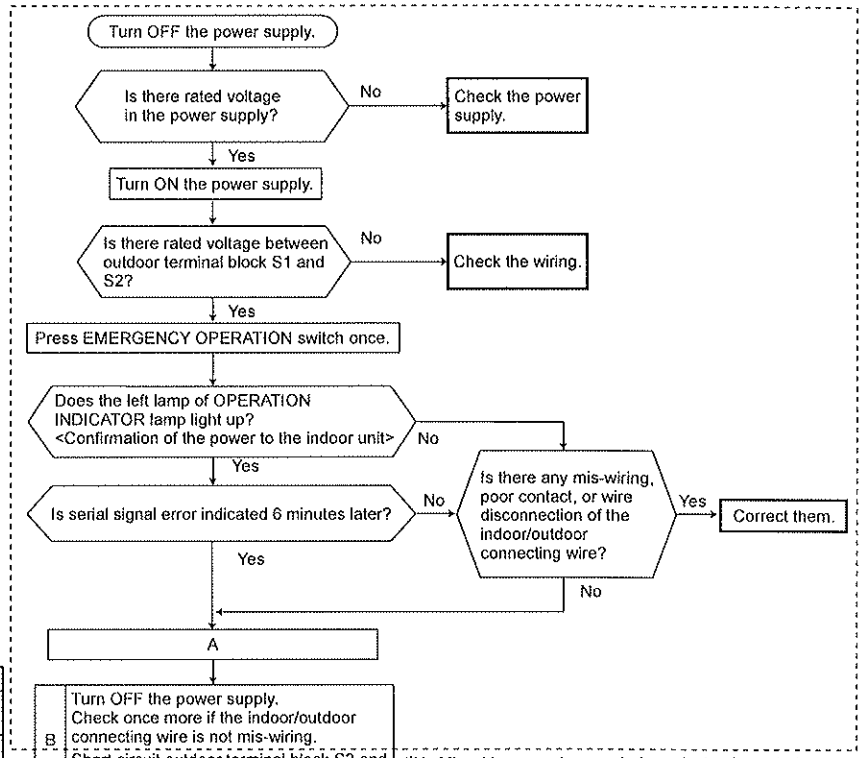
Pattern 1 and 2 is repeatedly displayed alternately. Each pattern is displayed for 15 seconds.

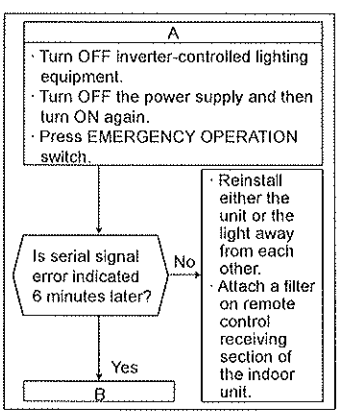
**NOTE:** "Lighting" in the table below does not indicate abnormal communication.

Outdoor electronic control P.C. board (Parts side)

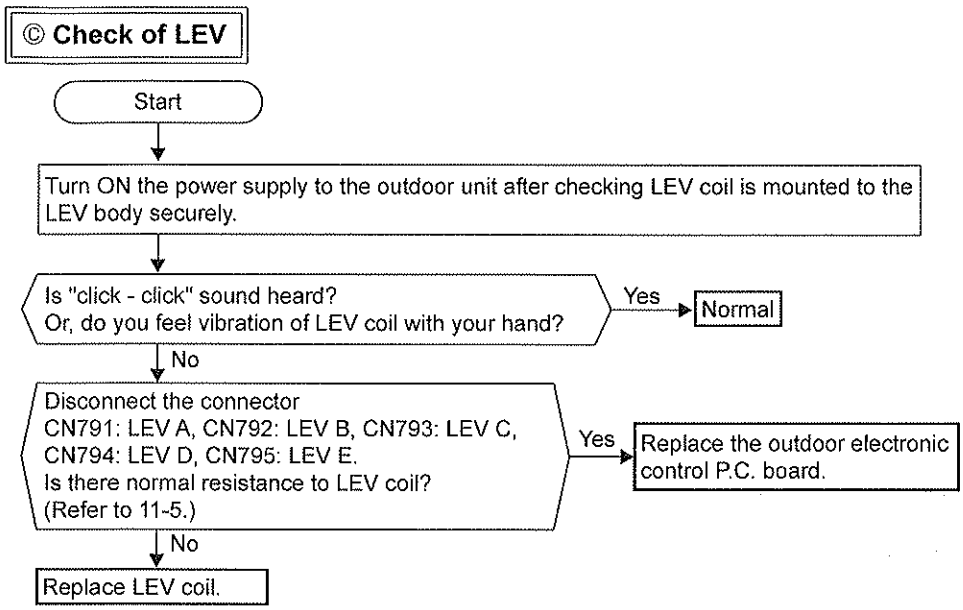



| Pattern | LED 3 | LED 2 | LED 1 |
|---|---|---|---|
| 1 | Lighting | Unit B status | Unit A status |
| 2 | Goes out | Unit D status | Unit C status |



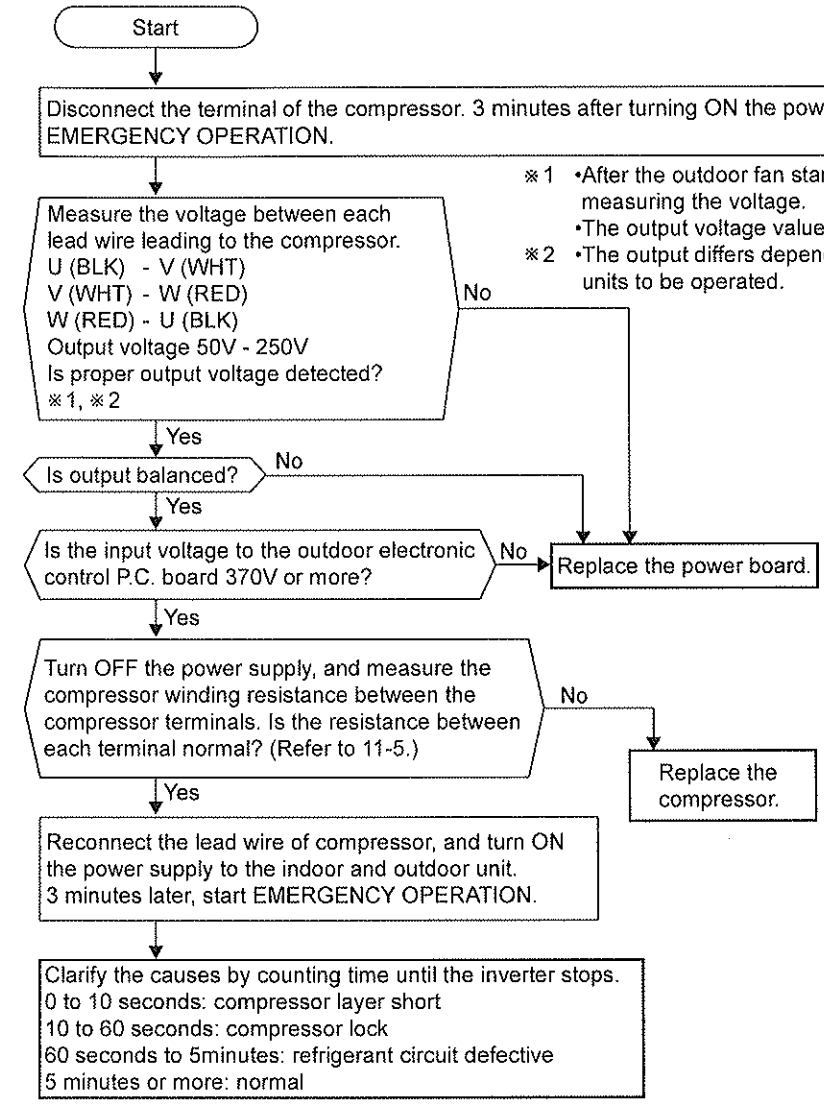



• **When operating, heat exchanger of non-operating indoor unit frosts.**



• **When operating, room does not get cool.**

**Ⓓ Check of inverter/compressor**

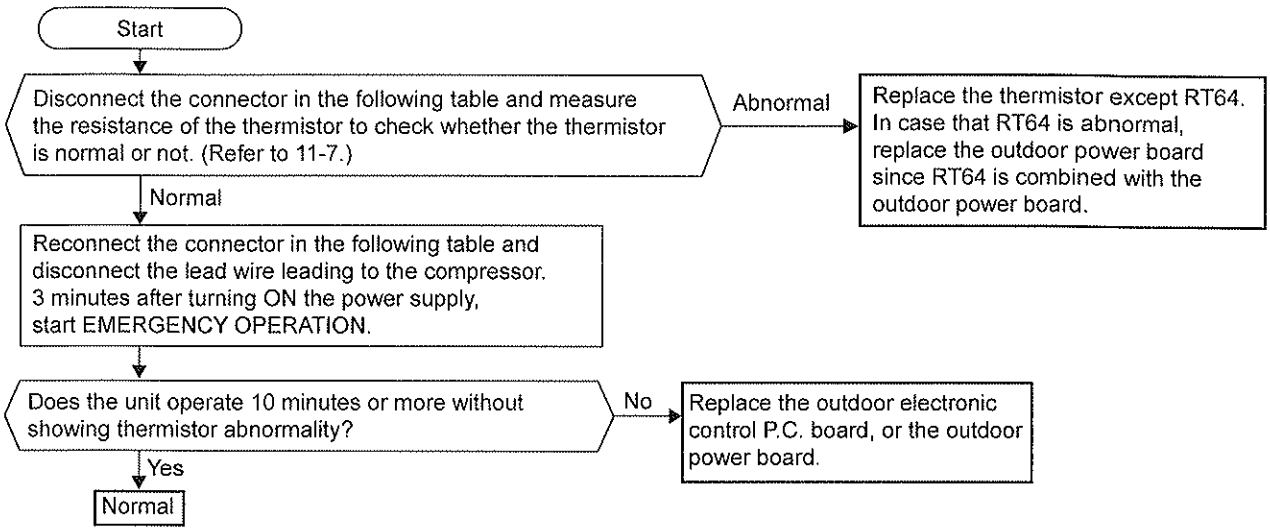



※1 •After the outdoor fan starts running, wait for 1 minutes or more before measuring the voltage.
•The output voltage values have the tolerance of ± 20%.

※2 •The output differs depending on the capacity or the number of indoor units to be operated.

• **When thermistor is abnormal.**

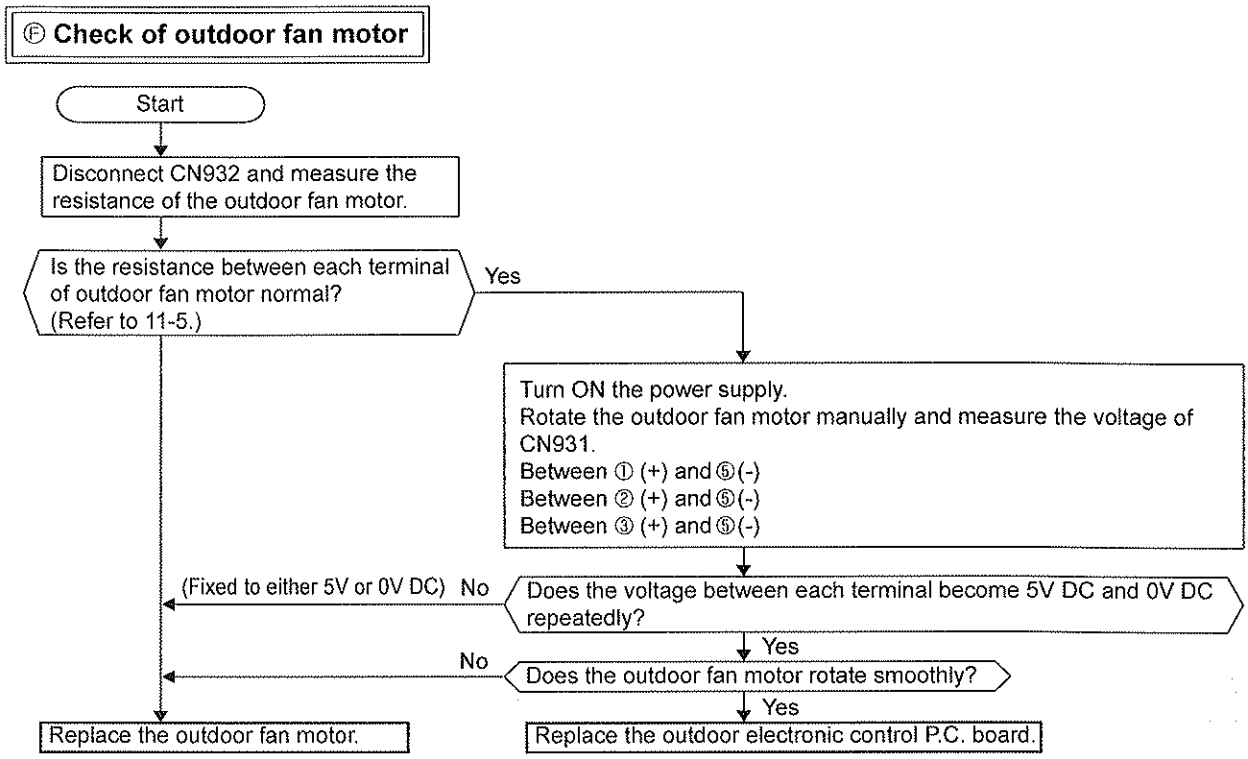
## Ⓔ Check of outdoor thermistors



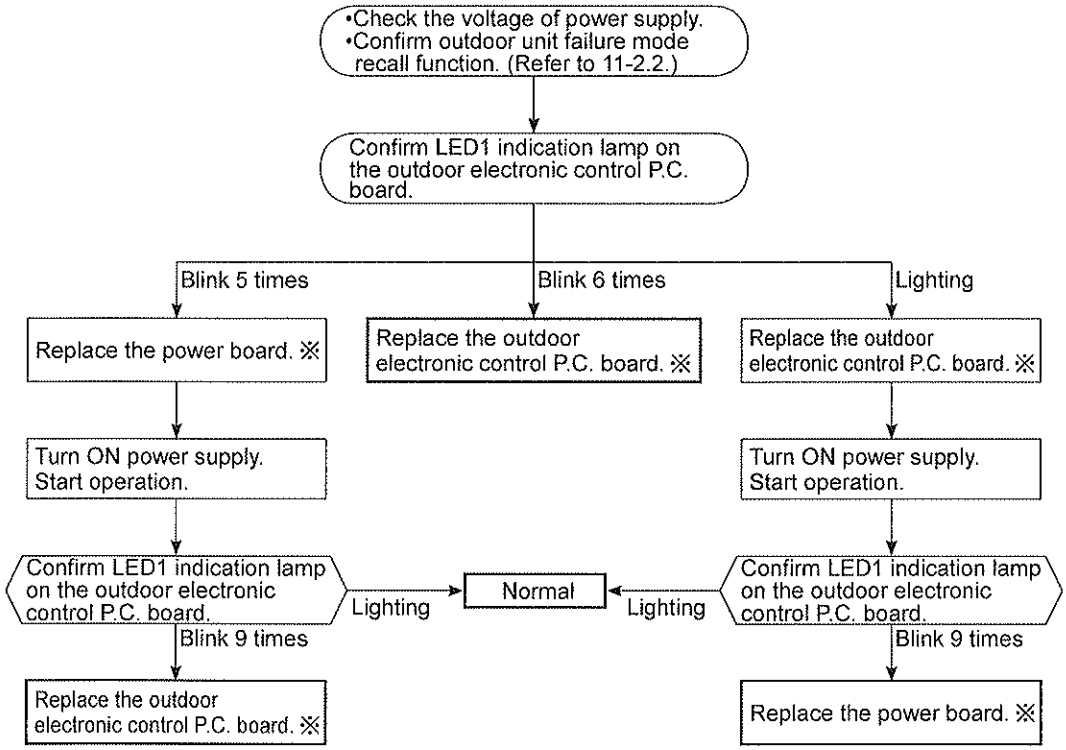

| Thermistor | Symbol | Connector, Pin No. | Board |
|---|---|---|---|
| Defrost thermistor (**MXY-3A28/4A28VA -R7**) | RT61 | Between CN661 pin1 and pin2 | Outdoor electronic control P.C. board |
| Discharge temperature | RT62 | Between CN661 pin3 and pin4 | |
| Outdoor heat exchanger temperature | RT68 | Between CN661 pin7 and pin8 | |
| Gas pipe temperature (Unit A) ※ | RT6A | Between CN662 pin1 and pin2 | |
| Gas pipe temperature (Unit B) ※ | RT6B | Between CN662 pin3 and pin4 | |
| Gas pipe temperature (Unit C) ※ | RT6C | Between CN662 pin5 and pin6 | |
| Gas pipe temperature (Unit D) ※ | RT6D | Between CN662 pin7 and pin8 | |
| Ambient temperature | RT65 | Between CN663 pin1 and pin2 | |
| Fin temperature | RT64 | Between CN3 pin1 and pin2 | Outdoor power board |

※ **MXY-2A23VA -R1 ,MXY-3A28VA -R1, MXY-4A28VA -R1.**

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



## Ⓖ Check of bus-bar voltage

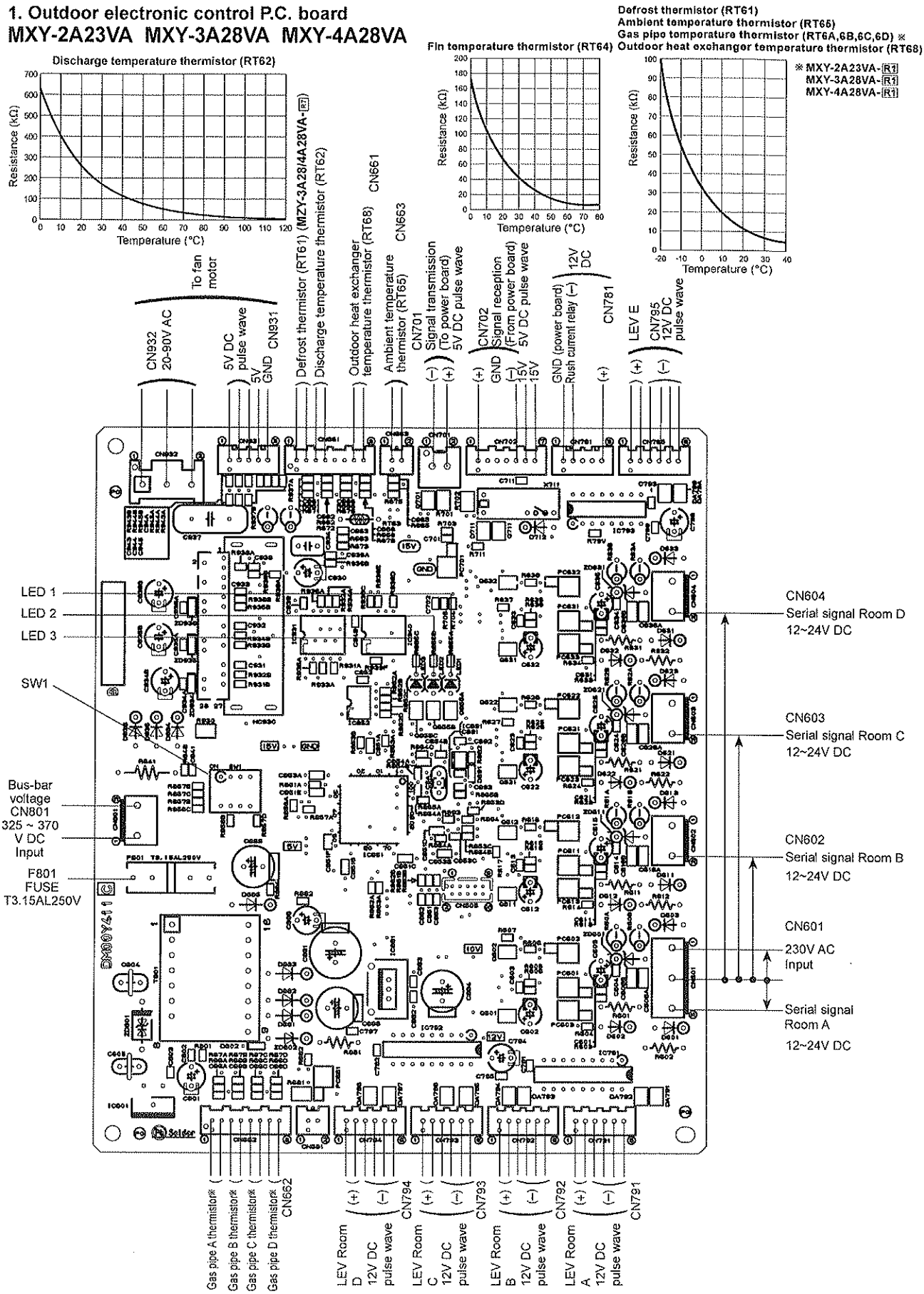



※Turn OFF power supply before removing P.C. board.

## 11-7. TEST POINT DIAGRAM AND VOLTAGE

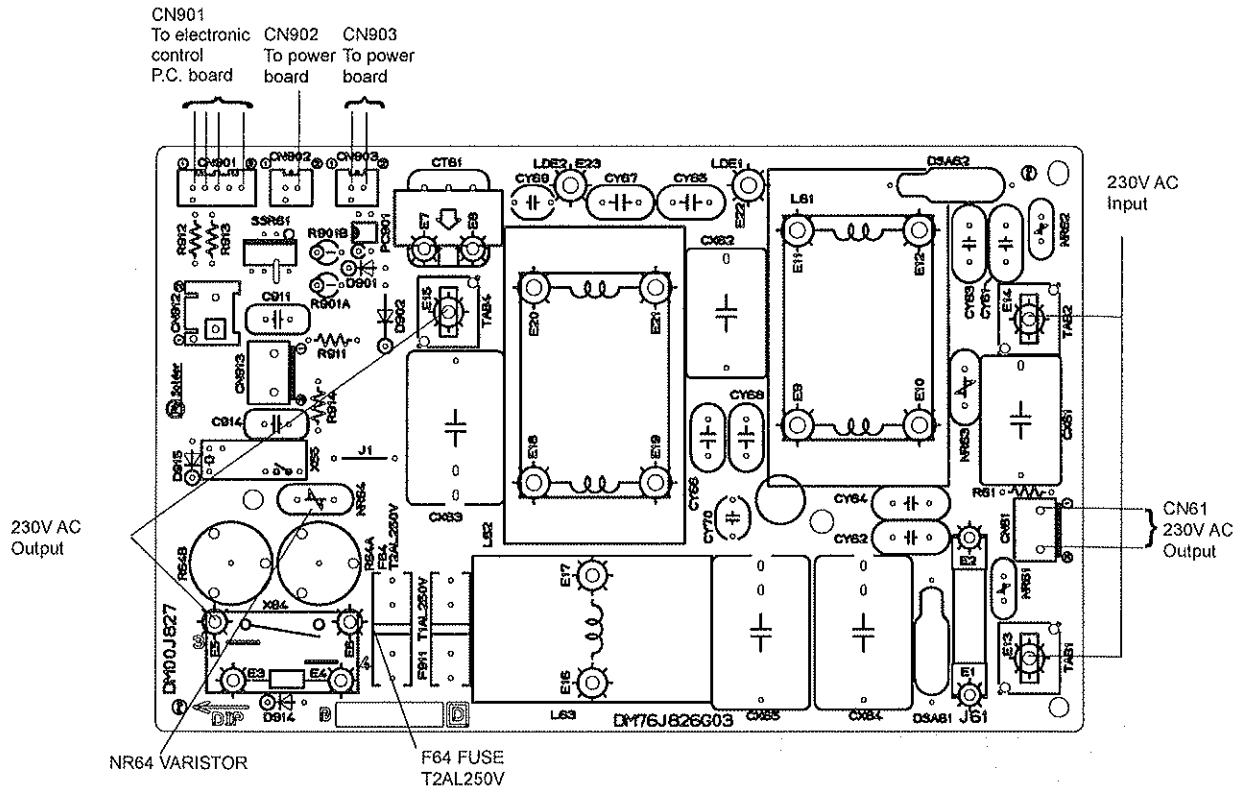
### 1. Outdoor electronic control P.C. board

### MXY-2A23VA MXY-3A28VA MXY-4A28VA

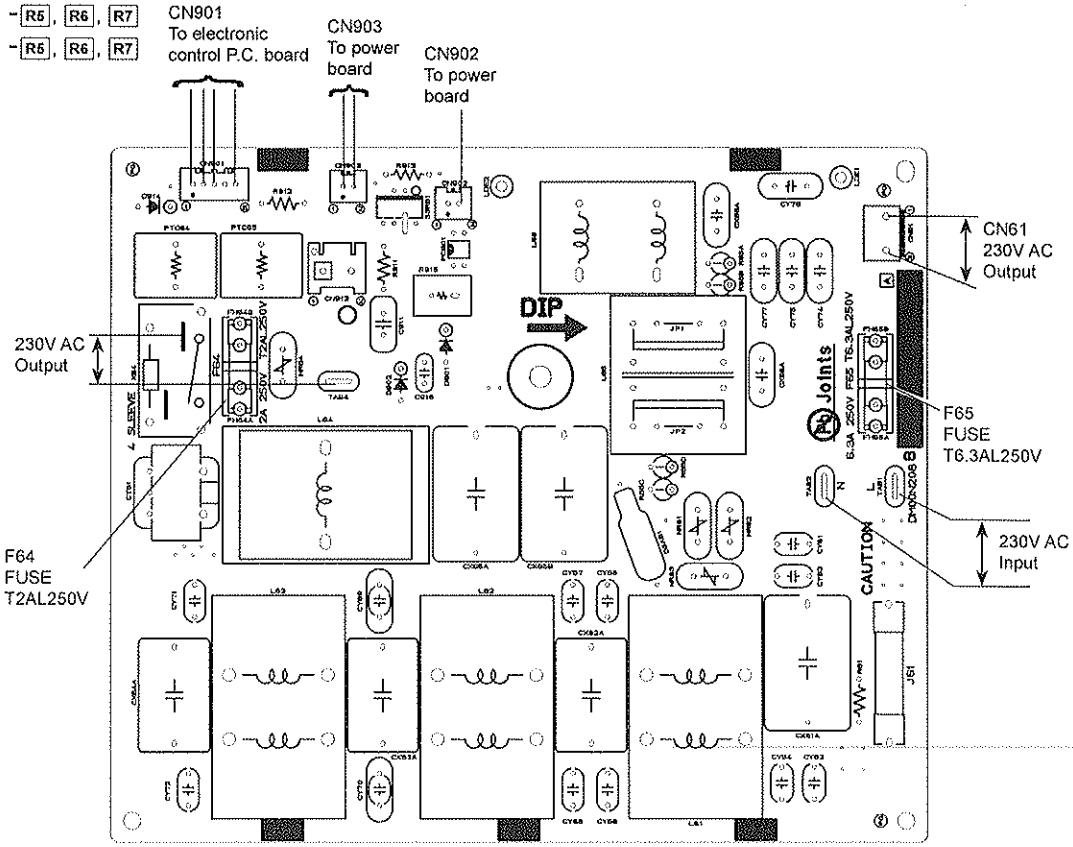


## 2. Noise filter P.C. board

**MXY-2A23VA** -[R1], [R2]
**MXY-3A28VA** -[R1], [R2], [R4]
**MXY-4A28VA** -[R1], [R2], [R4]

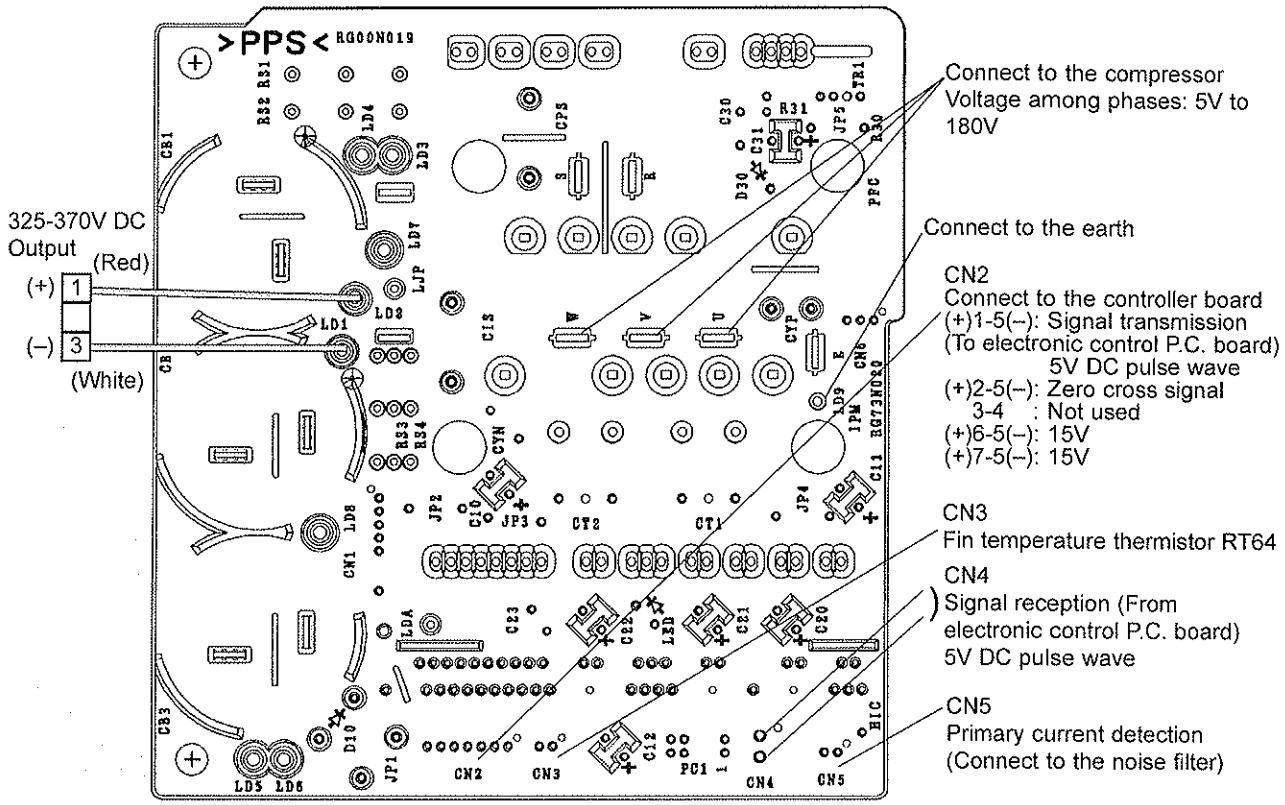


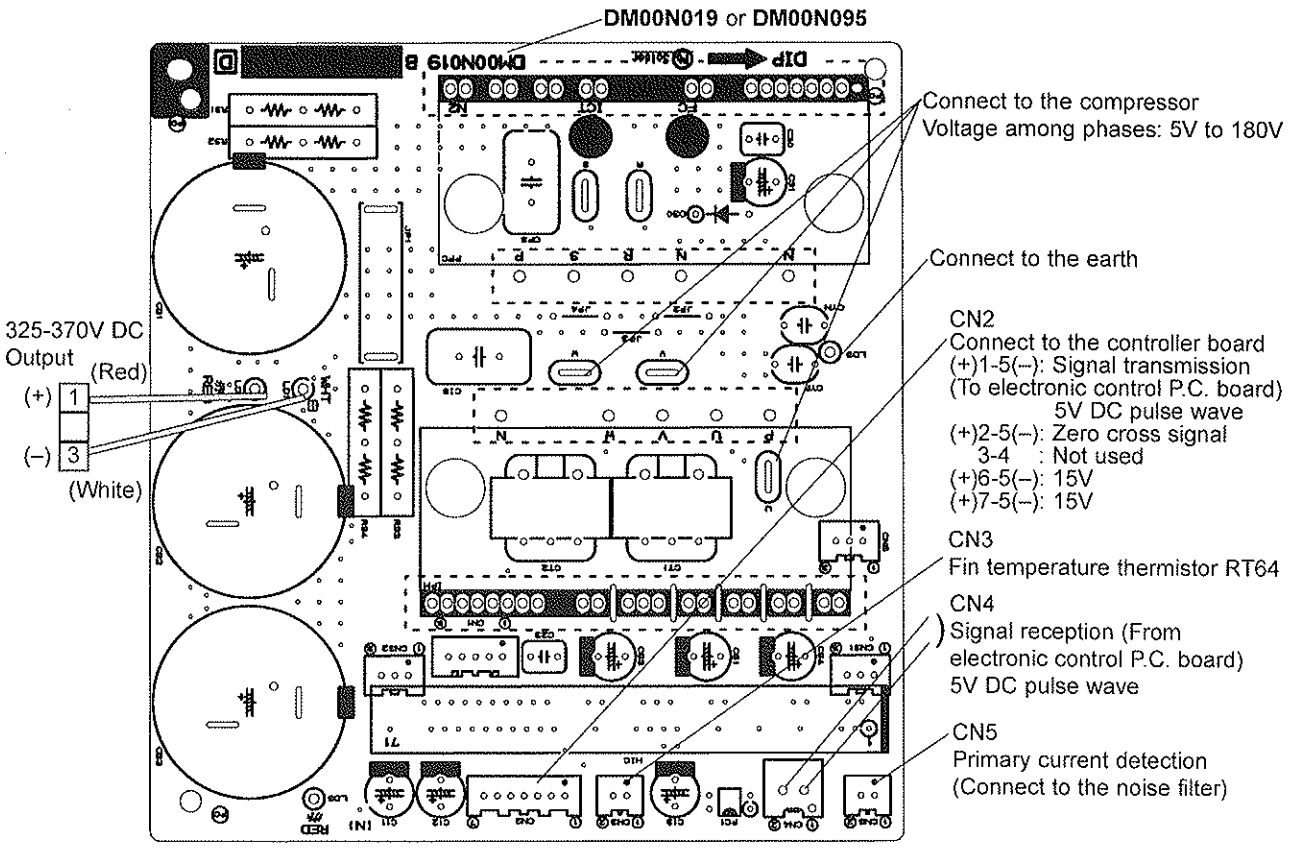

**MXY-3A28VA** -[R5], [R6], [R7]
**MXY-4A28VA** -[R5], [R6], [R7]



### 3. Outdoor Power board

## MXY-2A23VA MXY-3A28VA MXY-4A28VA



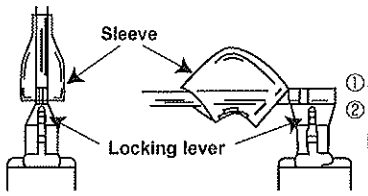



# 12 DISASSEMBLY INSTRUCTIONS

## <"Terminal with locking mechanism" Detaching points>

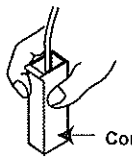
The terminal which has the locking mechanism can be detached as shown below.
There are two types ( Refer to (1) and (2)) of the terminal with locking mechanism.
The terminal without locking mechanism can be detached by pulling it out.
Check the shape of the terminal before detaching.

(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.

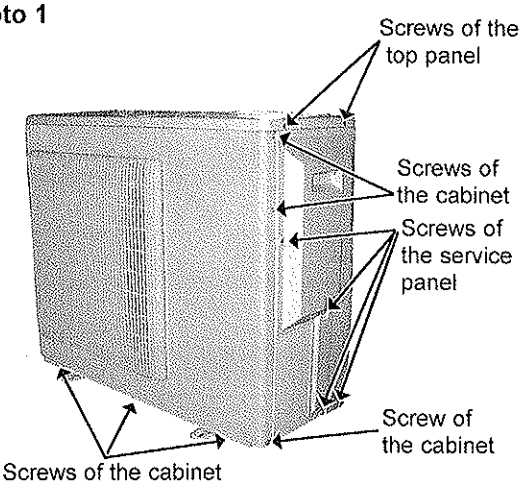
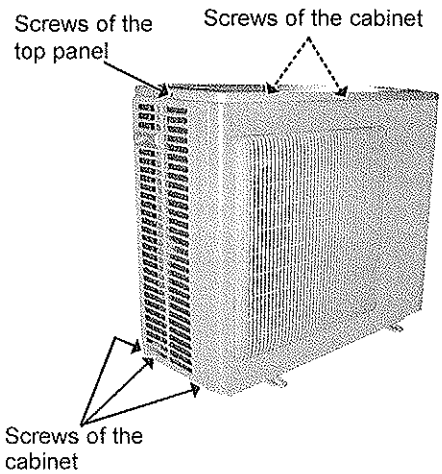
(2) The terminal with this connector has the locking mechanism.

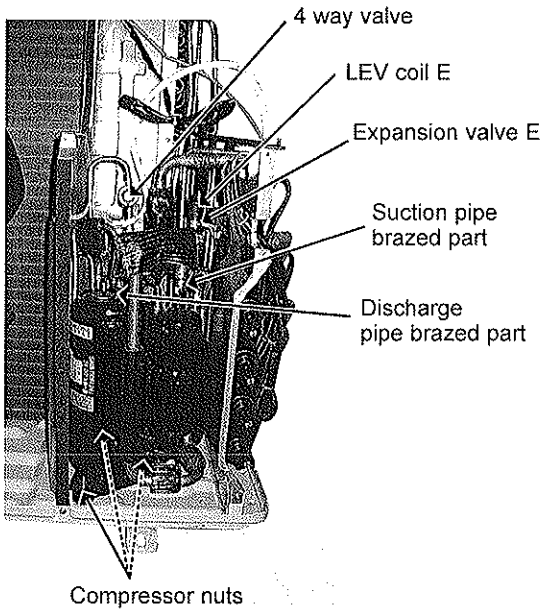
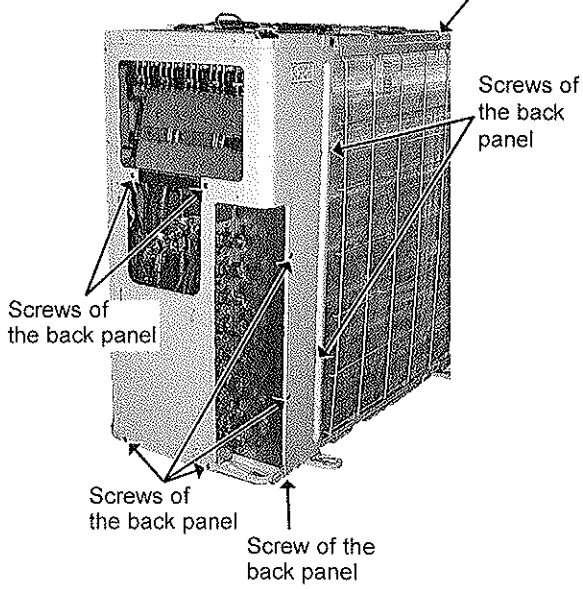
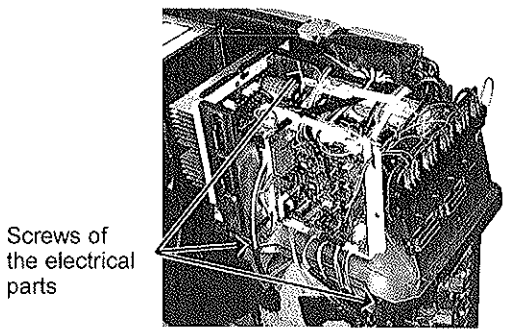
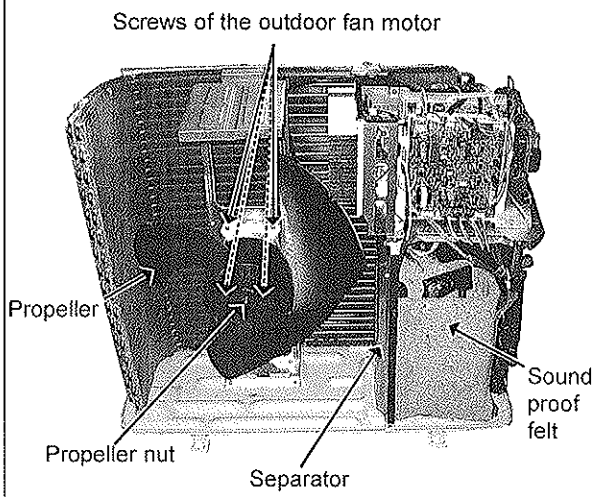


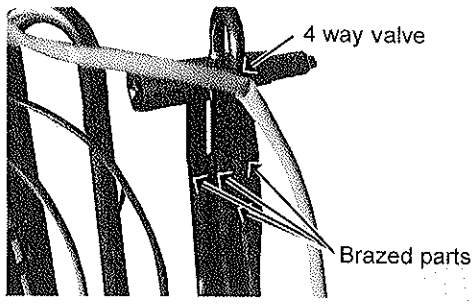
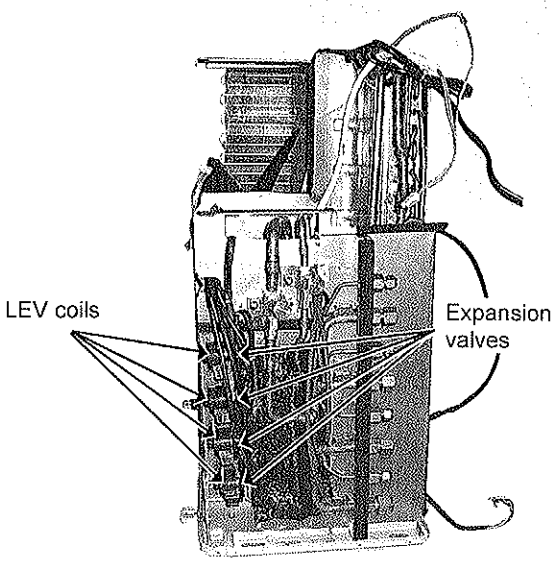
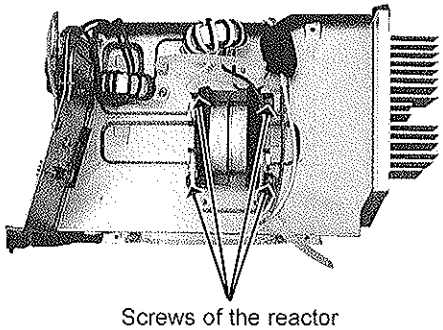

①Hold the sleeve, and pull out the terminal slowly.

## 12-1. MXY-2A23VA -[R1], [R2] MXY-3A28VA -[R1], [R2], [R4] MXY-4A28VA -[R1], [R2], [R4]

**NOTE:** Turn OFF the power supply before disassembly.

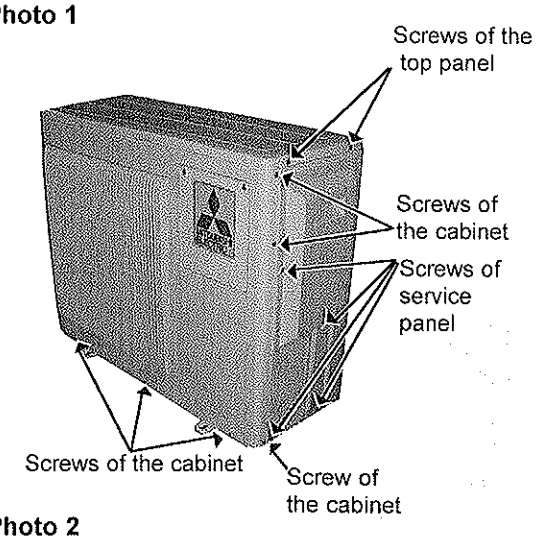
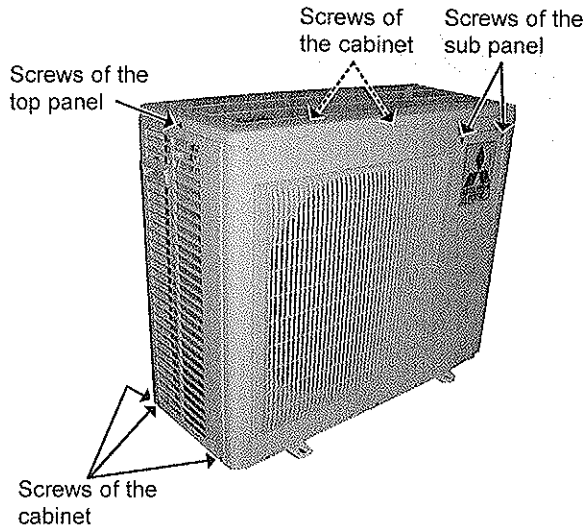
| OPERATING PROCEDURE | PHOTOS |
|---|---|
| **1. Removing the compressor**<br>(1) Remove the screws of the top panel, and remove the top panel.<br>(2) Remove the screws of the service panel, and remove the service panel.<br>(3) Recover gas from the refrigerant circuit.<br>**NOTE :** Recover gas from the pipes until the pressure gauge shows 0 kg/cm² (0 MPa).<br>(4) Remove the screws of the cabinet, and remove the cabinet.<br>(5) Remove the screws of the back panel, and remove the back panel (Photo 3).<br>(6) Disconnect the compressor lead wire from the terminal of the compressor. (U, V, W)<br>(7) Disconnect the outdoor electronic control P.C. board connectors:<br>CN661, CN662 (**MXY-2A23VA -[R1]**, **MXY-3A28VA -[R1]**, **MXY-4A28VA -[R1]**), CN663, CN791, CN792, CN793 (**MXY-3A28/4A28VA**), CN794 (**MXY-4A28VA**), CN795, CN931, CN932<br>(8) Remove the screws of the electrical parts, and remove the electrical parts (Photo 4).<br>(9) Remove the propeller.<br>(10) Remove the screws of the separator, and remove the separator (Photo 6).<br>(11) Remove the sound proof felt (Photo 6).<br>(12) Detach the brazed parts of the compressor suction and discharge pipes (Photo 5).<br>(13) Remove the compressor nuts and remove the compressor. | **Photo 1**<br><br><br>**Photo 2**<br><br> |

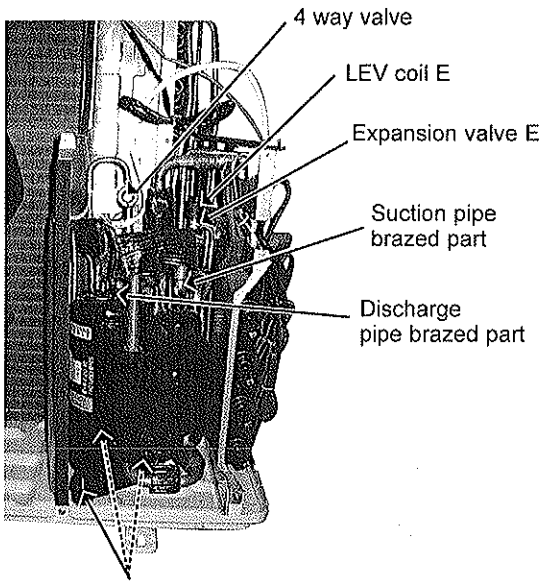
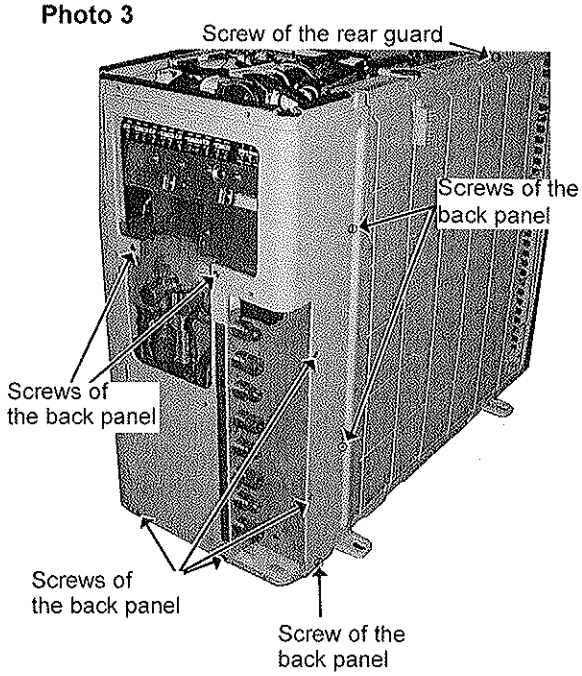
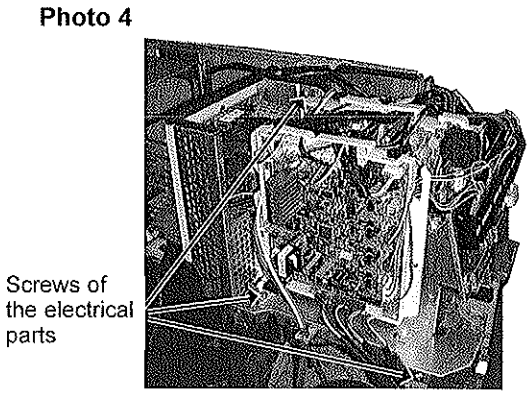
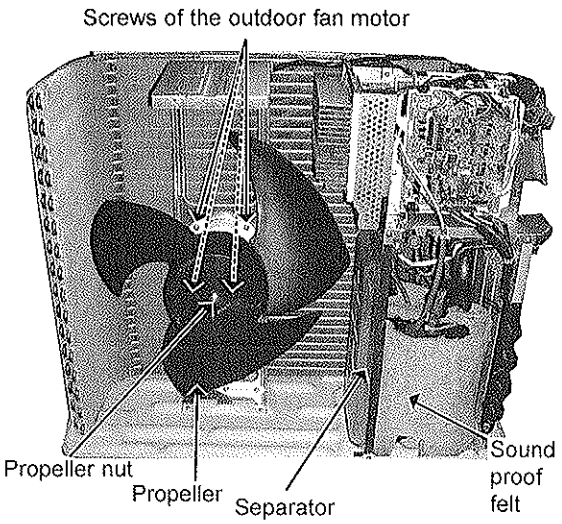
| OPERATING PROCEDURE | PHOTOS |
|---|---|
| **Photo 5**<br><br> | **Photo 3**<br><br><br>**Photo 4**<br><br> |
| **2. Removing the fan motor**<br>(1) Remove the top panel, the service panel and the cabinet (Photo 1, 2).<br>(2) Disconnect the connector CN931 and CN932 on the outdoor electronic control P.C. board.<br>(3) Remove the propeller.<br>(4) Remove the fan motor. | **Photo 6**<br><br> |

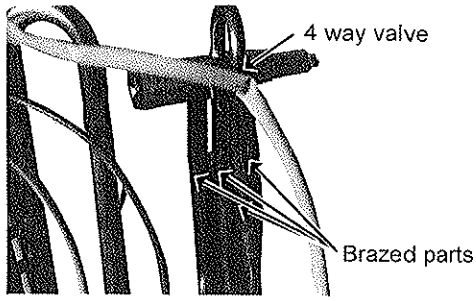
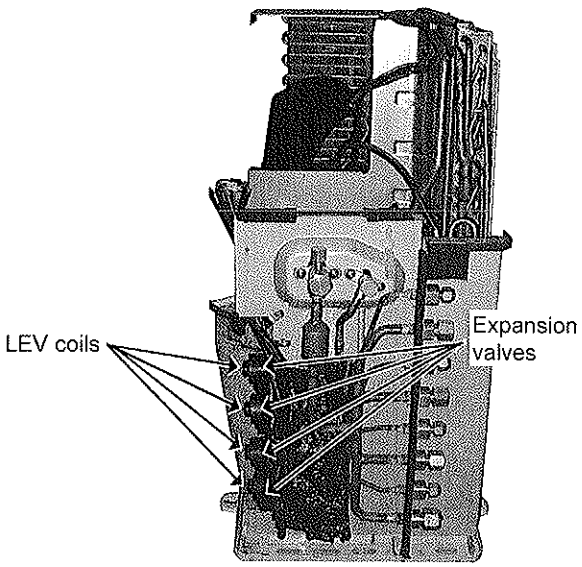
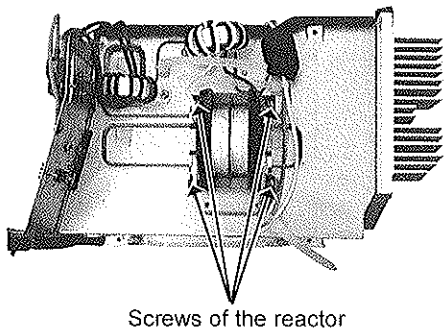
| OPERATING PROCEDURE | PHOTOS |
|---|---|
| **3. Removing the 4-way valve**<br>(1) Remove the top panel (Photo 1, 2).<br>(2) Remove the service panel, the cabinet and the back panel (Photo 1, 2, 3).<br>(3) Recover gas from the refrigerant circuit.<br>**NOTE :** Recover gas from the pipes until the pressure gauge shows 0 kg/cm² (0 MPa).<br>(4) Remove the electrical parts (Photo 4).<br>(5) Detach the brazed parts of 4-way valve and pipe. | **Photo 7**<br><br> |
| **4. Removing the expansion valve**<br>(1) Remove the top panel (Photo 1, 2).<br>(2) Remove the service panel, the cabinet and the back panel (Photo 1, 2, 3).<br>(Gas recovery is not required if the unit is pumped down.)<br>(3) Remove the electrical parts for removing LEV E (Photo 4, 5).<br>(4) Remove the LEV coils.<br>(5) Detach the brazed parts of expansion valves and pipes. | **Photo 8**<br><br> |
| **5. Removing the reactor**<br>(1) Remove the top panel (Photo 1, 2).<br>(2) Remove the service panel, cabinet, back panel and the electrical parts (Photo 1, 2, 3, 4).<br>(3) Disconnect the reactor lead wire from the terminal of the reactor.<br>(4) Remove the screws of the reactor, and remove the reactor. | **Photo 9**<br><br> |

## 12-2. MXY-3A28VA -R5, R6, R7 MXY-4A28VA -R5, R6, R7

**NOTE:** Turn OFF the power supply before disassembly.

| OPERATING PROCEDURE | PHOTOS |
|---|---|
| **1. Removing the compressor**<br>(1) Remove the screws of the top panel, and remove the top panel.<br>(2) Remove the screws of the service panel, and remove the service panel.<br>(3) Recover gas from the refrigerant circuit.<br>**NOTE:** Recover gas from the pipes until the pressure gauge shows 0 kg/cm² (0 MPa).<br>(4) Remove the screws of the cabinet, and remove the cabinet.<br>(5) Remove the screws of the back panel, and remove the back panel (Photo 3).<br>(6) Disconnect the compressor lead wire from terminal of the compressor (U, V, W).<br>(7) Disconnect the outdoor electronic control P.C. board connectors:<br>CN661, CN663, CN791, CN792, CN793,<br>CN794 (**MXY-4A28VA-R5, R6, R7**), CN795, CN931, CN932<br>(8) Remove the screws of the electrical parts, and remove the electrical parts (Photo 4).<br>(9) Remove the propeller.<br>(10) Remove the screws of the separator, and remove the separator (Photo 6).<br>(11) Remove the sound proof felt (Photo 6).<br>(12) Detach the brazed parts of the compressor suction and discharge pipes (Photo 5).<br>(13) Remove the compressor nuts and remove the compressor. | **Photo 1**<br><br><br>**Photo 2**<br><br> |
| **2. Removing the electronic control P.C. board**<br>(1) Remove the screws of the sub panel.<br>(2) Remove the sub panel.<br>(3) Disconnect all connectors and lead wires on the electronic control P.C. board.<br>(4) Remove the electronic control P.C. board. | |

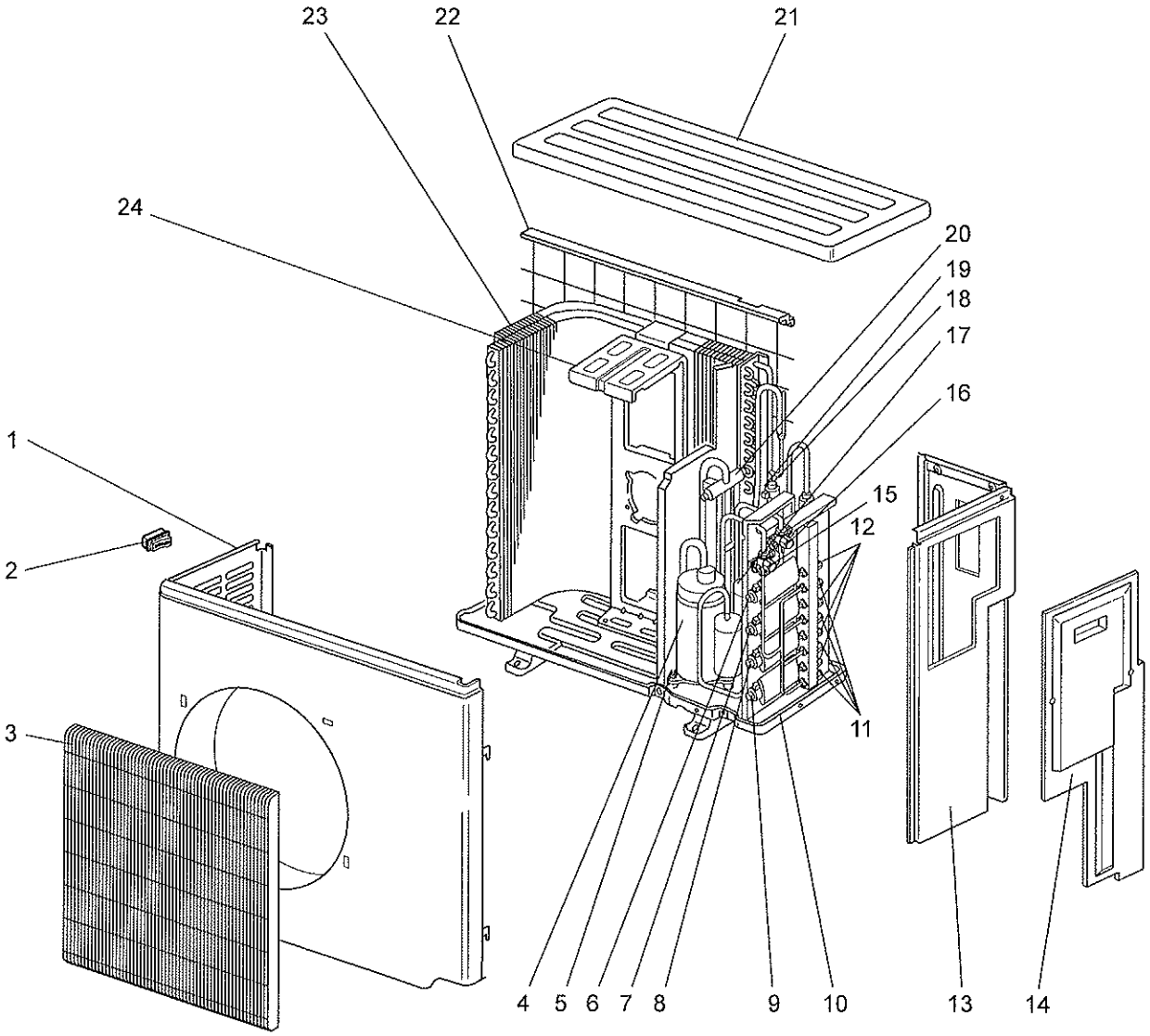
| OPERATING PROCEDURE | PHOTOS |
| --- | --- |
| **Photo 5**<br><br> | **Photo 3**<br><br><br>**Photo 4**<br><br> |
| **3. Removing the fan motor**<br>(1) Remove the top panel, the service panel, and the cabinet (Photo 1, 2).<br>(2) Disconnect the connector CN931 and CN932 on the outdoor electronic control P.C. board.<br>(3) Remove the propeller.<br>(4) Remove the fan motor. | **Photo 6**<br><br> |

| OPERATING PROCEDURE | PHOTOS |
|---|---|
| **4. Removing the 4-way valve**<br>(1) Remove the top panel (Photo 1).<br>(2) Remove the service panel, the cabinet, and the back panel (Photo 1, 2, 3).<br>(3) Recover gas from the refrigerant circuit.<br>**NOTE:** Recover gas from the pipes until the pressure gauge shows 0 kg/cm² (0 MPa).<br><br>(4) Remove the electrical parts (Photo 4).<br>(5) Detach the brazed parts of 4-way valve and pipe. | **Photo 7**<br><br> |
| **5. Removing the expansion valve**<br>(1) Remove the top panel (Photo 1).<br>(2) Remove the service panel, the cabinet, and the back panel (Photo 1, 2, 3).<br>(Gas recovery is not required if the unit is pumped down.)<br>(3) Remove the electrical parts for removing LEV E (Photo 4, 5).<br>(4) Remove the LEV coils.<br>(5) Detach the brazed parts of expansion valves and pipes. | **Photo 8**<br><br> |
| **6. Removing the reactor**<br>(1) Remove the top panel (Photo 1).<br>(2) Remove the service panel, cabinet, back panel, and the electrical parts (Photo 1, 2, 3, 4).<br>(3) Disconnect the reactor lead wire from the terminal of the reactor.<br>(4) Remove the screws of the reactor, and remove the reactor. | **Photo 9**<br><br> |

# 13 PARTS LIST (non-RoHS compliant)

**MXY-2A23VA-R1**
**MXY-3A28VA-R1**
**MXY-4A28VA-R1**

## 13-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



# PARTS LIST (non-RoHS compliant)

**MXY-2A23VA-R1**
**MXY-3A28VA-R1**
**MXY-4A28VA-R1**

## 13-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

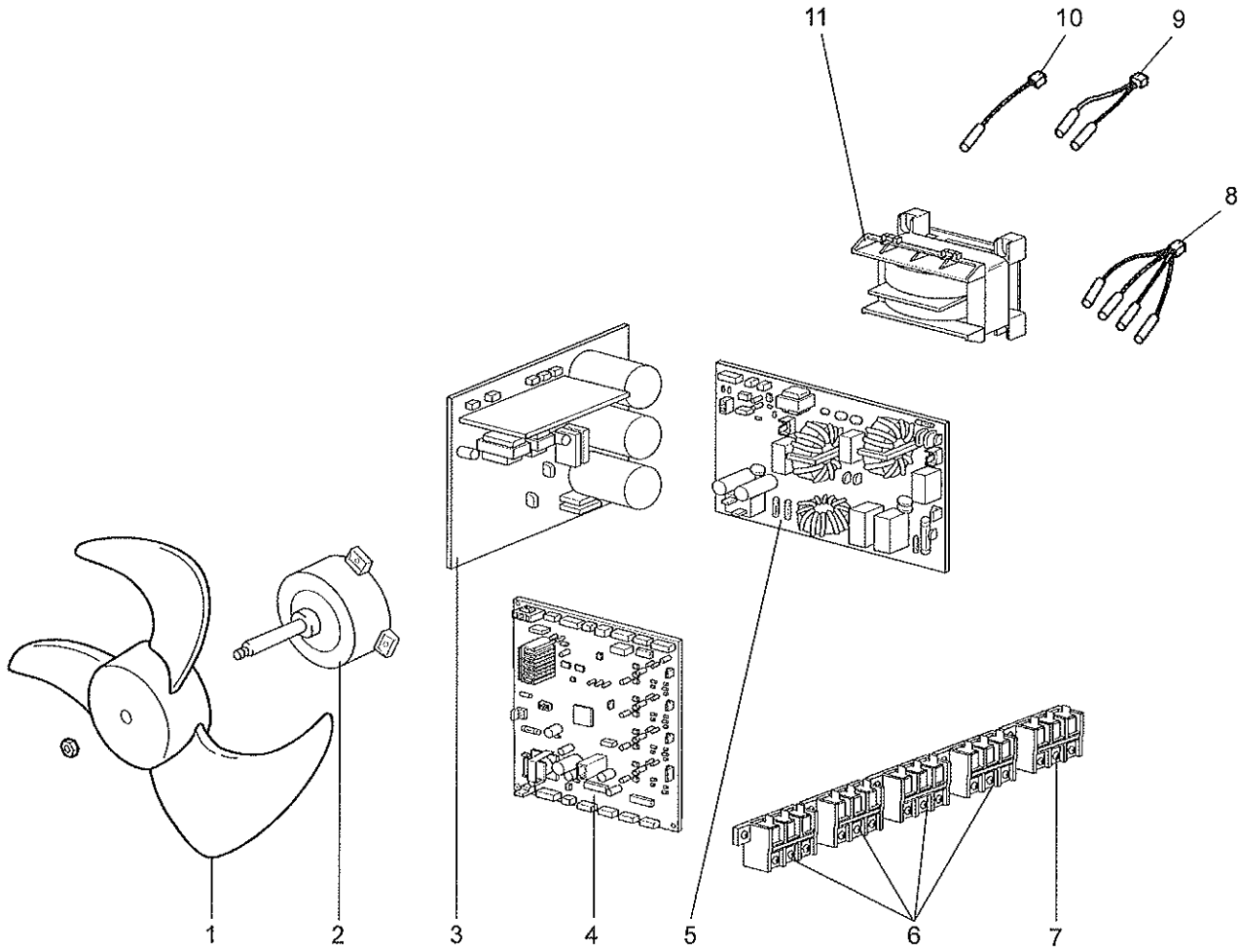
Part numbers that are circled are not shown in the illustration.

| No. | Parts No. | Parts Name | Symbol in Wiring Diagram | Q'ty/unit MXY- | | | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | 2A23VA-R1 | 3A28VA-R1 | 4A28VA-R1 | |
| 1 | E02 939 232 | CABINET | | 1 | 1 | 1 | |
| 2 | E02 817 009 | HANDLE | | 1 | 1 | 1 | |
| 3 | E02 939 521 | GRILLE | | 1 | 1 | 1 | |
| 4 | E02 939 900 | COMPRESSOR | MC | 1 | 1 | 1 | SNB130FLDH1 |
| 5 | E02 065 506 | COMPRESSOR RUBBER SET | | 3 | 3 | 3 | 3RUBBERS SET |
| 6 | E02 851 640 | EXPANSION VALVE | | | | 1 | D room |
| | E02 939 494 | LEV COIL | LEV D | | | 1 | D room |
| 7 | E02 851 640 | EXPANSION VALVE | | | 1 | 1 | C room |
| | E02 938 494 | LEV COIL | LEV C | | 1 | 1 | C room |
| 8 | E02 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | B room |
| | E02 939 493 | LEV COIL | LEV B | 1 | 1 | 1 | B room |
| 9 | E02 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | A room |
| | E02 938 493 | LEV COIL | LEV A | 1 | 1 | 1 | A room |
| 10 | E02 939 290 | BASE | | 1 | 1 | 1 | |
| 11 | E02 939 666 | UNION (GAS) | | 2 | 3 | 3 | $\phi$9.52 |
| | E02 979 666 | UNION (GAS) | | | | 1 | $\phi$12.7 |
| 12 | E02 939 667 | UNION (LIQUID) | | 2 | 3 | 4 | $\phi$6.35 |
| 13 | E02 939 233 | BACK PANEL | | 1 | 1 | 1 | |
| 14 | E02 939 245 | SERVICE PANEL | | 1 | 1 | 1 | |
| 15 | E02 939 661 | BALL VALVE (GAS) 5/8 | | 1 | 1 | 1 | $\phi$15.88 |
| 16 | E02 939 662 | BALL VALVE (LIQUID) 3/8 | | 1 | 1 | 1 | $\phi$9.52 |
| 17 | E02 938 959 | POWER RECEIVER | | 1 | 1 | 1 | |
| 18 | E02 853 640 | EXPANSION VALVE | | 1 | 1 | 1 | E |
| 19 | E02 851 493 | LEV COIL | LEV E | 1 | 1 | 1 | |
| 20 | E02 891 961 | 4-WAY VALVE | | 1 | 1 | 1 | |
| 21 | E02 819 297 | TOP PANEL | | 1 | 1 | 1 | |
| 22 | E02 939 523 | REAR GUARD | | 1 | 1 | 1 | |
| 23 | E02 939 630 | HEAT EXCHANGER | | 1 | 1 | 1 | |
| 24 | E02 939 515 | MOTOR SUPPORT | | 1 | 1 | 1 | |
| (25) | E02 938 937 | CAPILLARY TUBE | | 8 | 8 | 8 | $\phi$3.6 x$\phi$2.4 x 500 |
| (26) | E02 939 936 | CAPILLARY TUBE SET | | 2 | 3 | 4 | $\phi$4.0 x$\phi$2.8 x 100 |
| (27) | E02 938 936 | CAPILLARY TUBE | | 1 | 1 | 1 | $\phi$2.5 x$\phi$0.6 x 1000 |
| (28) | E02 938 299 | OIL SEPARATOR | | 1 | 1 | 1 | |

# PARTS LIST (non-RoHS compliant)

**MXY-2A23VA-R1**
**MXY-3A28VA-R1**
**MXY-4A28VA-R1**

## 13-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



# PARTS LIST (non-RoHS compliant)

**MXY-2A23VA-R1**
**MXY-3A28VA-R1**
**MXY-4A28VA-R1**

## 13-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

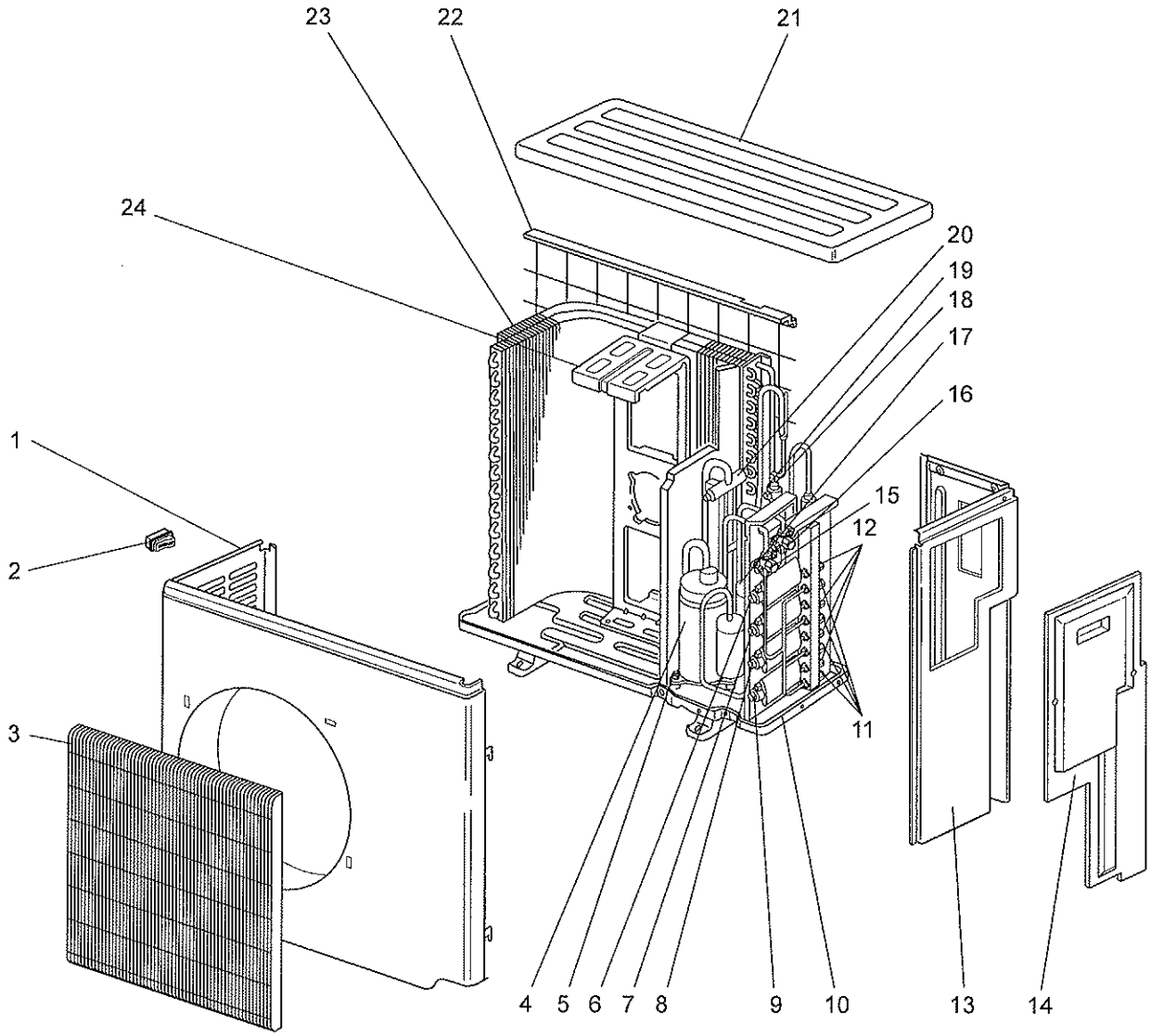
Part numbers that are circled are not shown in the illustration.

| No. | Parts No. | Parts Name | Symbol in Wiring Diagram | Q'ty/unit MXY- | | | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | 2A23VA-R1 | 3A28VA-R1 | 4A28VA-R1 | |
| 1 | E02 851 501 | PROPELLER | | 1 | 1 | 1 | |
| 2 | E02 938 301 | OUTDOOR FAN MOTOR | MF | 1 | 1 | 1 | RC0J60-□□ |
| 3 | E02 939 440 | POWER BOARD | | 1 | 1 | 1 | Including heat sink and RT64 |
| 4 | E02 977 450 | ELECTRONIC CONTROL P.C. BOARD | | 1 | | | |
| | E02 978 450 | ELECTRONIC CONTROL P.C. BOARD | | | 1 | | |
| | E02 979 450 | ELECTRONIC CONTROL P.C. BOARD | | | | 1 | |
| 5 | E02 977 444 | NOISE FILTER P.C. BOARD | | 1 | 1 | 1 | |
| 6 | E02 927 374 | TERMINAL BLOCK | TB2~5 | 2 | 3 | 4 | Indoor unit connecting |
| 7 | E02 823 375 | TERMINAL BLOCK | TB1 | 1 | 1 | 1 | Power supply |
| 8 | E02 977 307 | GAS PIPE TEMPERATURE THERMISTOR SET | RT6A,B | 1 | | | |
| | E02 938 307 | GAS PIPE TEMPERATURE THERMISTOR SET | RT6A,B,C | | 1 | | |
| | E02 939 307 | GAS PIPE TEMPERATURE THERMISTOR SET | RT6A,B,C,D | | | 1 | |
| 9 | E02 977 308 | THERMISTOR SET | RT62,68 | 1 | 1 | 1 | DISCHARGE OUTDOOR HEAT EXCHANGER |
| 10 | E02 938 309 | AMBIENT TEMPERATURE THERMISTOR | RT65 | 1 | 1 | 1 | |
| 11 | E02 938 337 | REACTOR | L | 1 | 1 | 1 | 20A 600μH |

# 14 RoHS PARTS LIST (RoHS compliant)

**MXY-2A23VA-R1, R2**
**MXY-3A28VA-R1, R2, R4**
**MXY-4A28VA-R1, R2, R4**

## 14-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



# RoHS PARTS LIST (RoHS compliant)

**MXY-2A23VA-R1, R2**
**MXY-3A28VA-R1, R2, R4**
**MXY-4A28VA-R1, R2, R4**

## 14-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

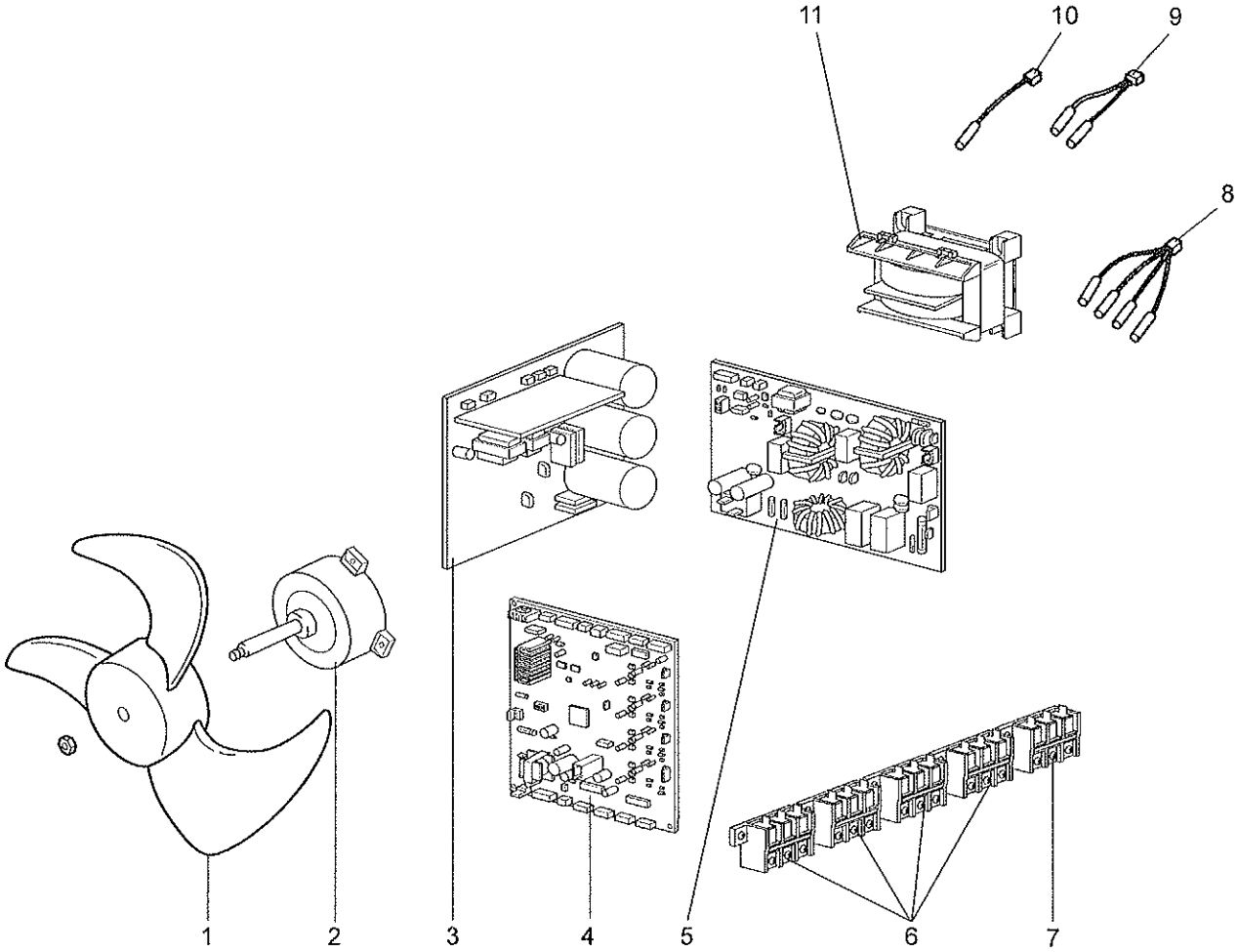
Part numbers that are circled are not shown in the illustration.

| No. | RoHS | Parts No. | Parts Name | Symbol in Wiring Diagram | Q'ty/unit | | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MXY- | | | | | | | | |
| | | | | | 2A23VA- | | 3A28VA- | | | 4A28VA- | | | |
| | | | | | R1 | R2 | R1 | R2 | R4 | R1 | R2 | R4 | |
| 1 | G | E12 939 232 | CABINET | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 2 | G | E12 817 009 | HANDLE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 3 | G | E12 939 521 | GRILLE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 4 | G | E12 939 900 | COMPRESSOR | MC | 1 | | 1 | | | 1 | | | SNB130FLDH1 |
| | | E12 C18 900 | COMPRESSOR | MC | | 1 | | 1 | 1 | | 1 | 1 | SNB130FGBH1 |
| 5 | G | E12 C34 506 | COMPRESSOR RUBBER SET | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3RUBBERS SET |
| 6 | G | E12 851 640 | EXPANSION VALVE | | | | | | | 1 | 1 | 1 | D room |
| | G | E12 939 494 | LEV COIL | LEV D | | | | | | 1 | 1 | 1 | D room |
| 7 | G | E12 851 640 | EXPANSION VALVE | | | | 1 | 1 | 1 | 1 | 1 | 1 | C room |
| | G | E12 938 494 | LEV COIL | LEV C | | | 1 | 1 | 1 | 1 | 1 | 1 | C room |
| 8 | G | E12 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | B room |
| | G | E12 939 493 | LEV COIL | LEV B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | B room |
| 9 | G | E12 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A room |
| | G | E12 938 493 | LEV COIL | LEV A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A room |
| 10 | G | E12 939 290 | BASE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 11 | G | E12 C06 666 | UNION (GAS) | | 2 | | 3 | | | 3 | | | $\phi$9.52 |
| | G | E12 C18 666 | UNION (GAS) | | | 2 | | 3 | 3 | | 3 | 3 | $\phi$9.52 |
| | G | E12 C07 666 | UNION (GAS) | | | | | | | 1 | | | $\phi$12.7 |
| | G | E12 C19 666 | UNION (GAS) | | | | | | | | 1 | 1 | $\phi$12.7 |
| 12 | G | E12 C06 667 | UNION (LIQUID) | | 2 | | 3 | | | 4 | | | $\phi$6.35 |
| | G | E12 C18 667 | UNION (LIQUID) | | | 2 | | 3 | 3 | | 4 | 4 | $\phi$6.35 |
| 13 | G | E12 939 233 | BACK PANEL | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 14 | G | E12 939 245 | SERVICE PANEL | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 15 | G | E12 C06 661 | BALL VALVE (GAS) 5/8 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | $\phi$15.88 |
| 16 | G | E12 C06 662 | BALL VALVE (LIQUID) 3/8 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | $\phi$9.52 |
| 17 | G | E12 938 959 | POWER RECEIVER | | 1 | | 1 | | | 1 | | | |
| | G | E12 C18 959 | POWER RECEIVER | | | 1 | | 1 | 1 | | 1 | 1 | |
| 18 | G | E12 853 640 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | E |
| 19 | G | E12 819 493 | LEV COIL | LEV E | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 20 | G | E12 891 961 | 4-WAY VALVE | | 1 | | 1 | | | 1 | | | |
| | G | E12 C18 961 | 4-WAY VALVE | | | 1 | | 1 | 1 | | 1 | 1 | |
| 21 | G | E12 819 297 | TOP PANEL | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 22 | G | E12 939 523 | REAR GUARD | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 23 | G | E12 939 630 | HEAT EXCHANGER | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 24 | G | E12 939 515 | MOTOR SUPPORT | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| (25) | G | E12 938 937 | CAPILLARY TUBE | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | $\phi$3.6 x$\phi$2.4 x 500 |
| (26) | G | E12 939 936 | CAPILLARY TUBE SET | | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | $\phi$4.0 x$\phi$2.8 x 100 |
| (27) | G | E12 938 936 | CAPILLARY TUBE | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | $\phi$2.5 x$\phi$0.6 x 1000 |
| (28) | G | E12 938 299 | OIL SEPARATOR | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

# RoHS PARTS LIST (RoHS compliant)

**MXY-2A23VA-R1, R2**
**MXY-3A28VA-R1, R2, R4**
**MXY-4A28VA-R1, R2, R4**

## 14-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



# RoHS PARTS LIST (RoHS compliant)

**MXY-2A23VA-R1, R2**
**MXY-3A28VA-R1, R2, R4**
**MXY-4A28VA-R1, R2, R4**

## 14-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

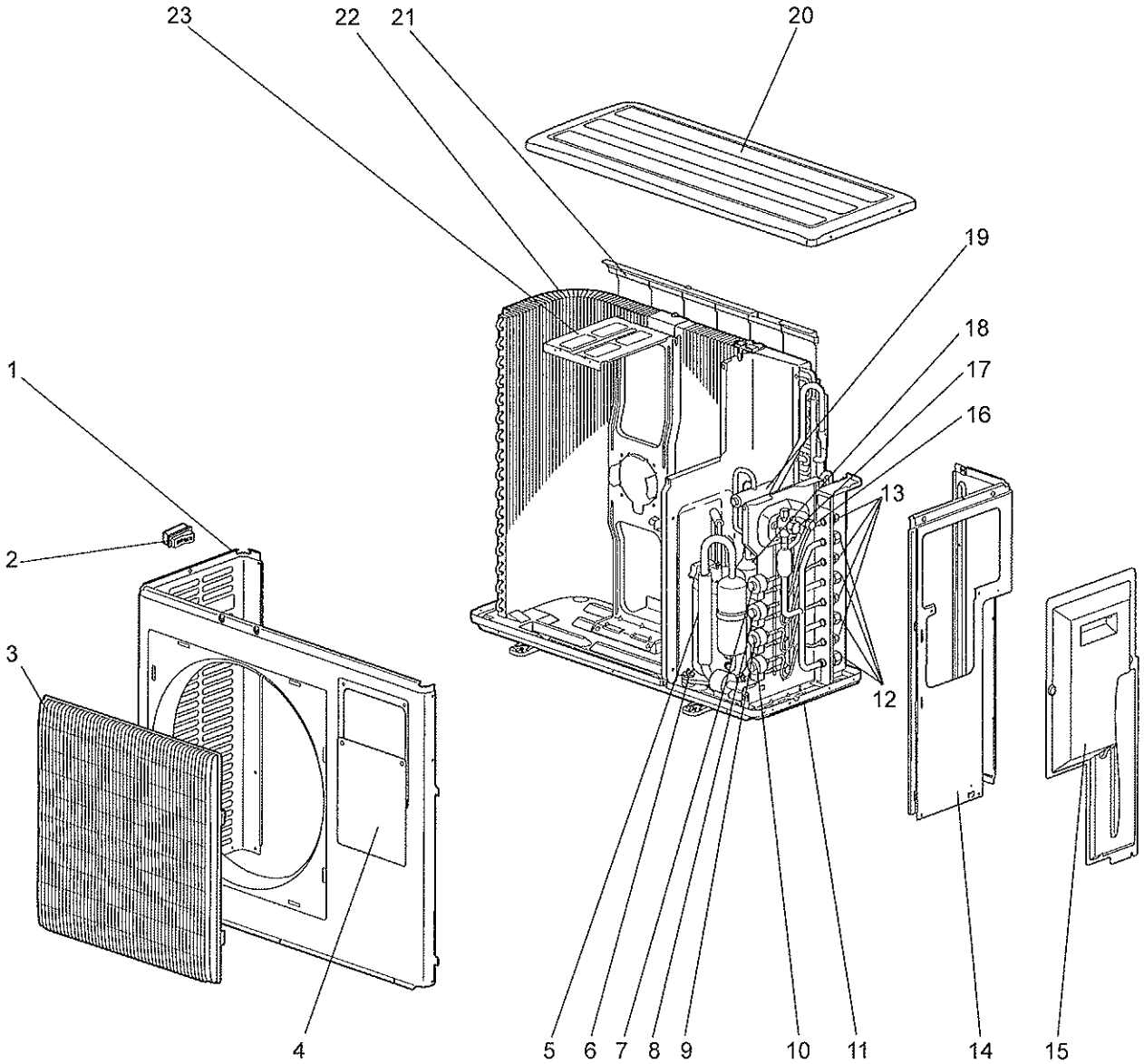
Part numbers that are circled are not shown in the illustration.

| No. | RoHS | Parts No. | Parts Name | Symbol in Wiring Diagram | Q'ty/unit | | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MXY- | | | | | | | | |
| | | | | | 2A23VA- | | 3A28VA- | | | 4A28VA- | | | |
| | | | | | R1 | R2 | R1 | R2 | R4 | R1 | R2 | R4 | |
| 1 | G | E12 851 501 | PROPELLER | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 2 | G | E12 938 301 | OUTDOOR FAN MOTOR | MF | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | RC0J60-□□ |
| 3 | G | E12 939 440 | POWER BOARD | | 1 | | 1 | | | 1 | | | Including heat sink and RT64 |
| | G | E12 C07 440 | POWER BOARD | | | 1 | | 1 | 1 | | 1 | 1 | Including heat sink and RT64 |
| 4 | G | E12 977 450 | ELECTRONIC CONTROL P.C. BOARD | | 1 | | | | | | | | |
| | G | E12 C12 450 | ELECTRONIC CONTROL P.C. BOARD | | | 1 | | | | | | | |
| | G | E12 978 450 | ELECTRONIC CONTROL P.C. BOARD | | | | 1 | | | | | | |
| | G | E12 C13 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | 1 | | | | | |
| | G | E12 D56 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | | 1 | | | | |
| | G | E12 979 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | | | 1 | | | |
| | G | E12 C14 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | | | | 1 | | |
| | G | E12 D57 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | | | | | 1 | |
| 5 | G | E12 977 444 | NOISE FILTER P.C. BOARD | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 6 | G | E12 927 374 | TERMINAL BLOCK | TB2~5 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | Indoor unit connecting |
| 7 | G | E12 823 375 | TERMINAL BLOCK | TB1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Power supply |
| 8 | G | E12 977 307 | GAS PIPE TEMPERATURE THERMISTOR SET | RT6A,B | 1 | | | | | | | | |
| | G | E12 938 307 | GAS PIPE TEMPERATURE THERMISTOR SET | RT6A,B,C | | | 1 | | | | | | |
| | G | E12 939 307 | GAS PIPE TEMPERATURE THERMISTOR SET | RT6A,B,C,D | | | | | | 1 | | | |
| 9 | G | E12 977 308 | THERMISTOR SET | RT62,68 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | DISCHARGE OUTDOOR HEAT EXCHANGER |
| 10 | G | E12 938 309 | AMBIENT TEMPERATURE THERMISTOR | RT65 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 11 | G | E12 938 337 | REACTOR | L | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20A 600μH |

# RoHS PARTS LIST (RoHS compliant)

**MXY-3A28VA-R5, R6, R7**
**MXY-4A28VA-R5, R6, R7**

## 14-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



# RoHS PARTS LIST (RoHS compliant)

**MXY-3A28VA-R5, R6, R7**
**MXY-4A28VA-R5, R6, R7**

## 14-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

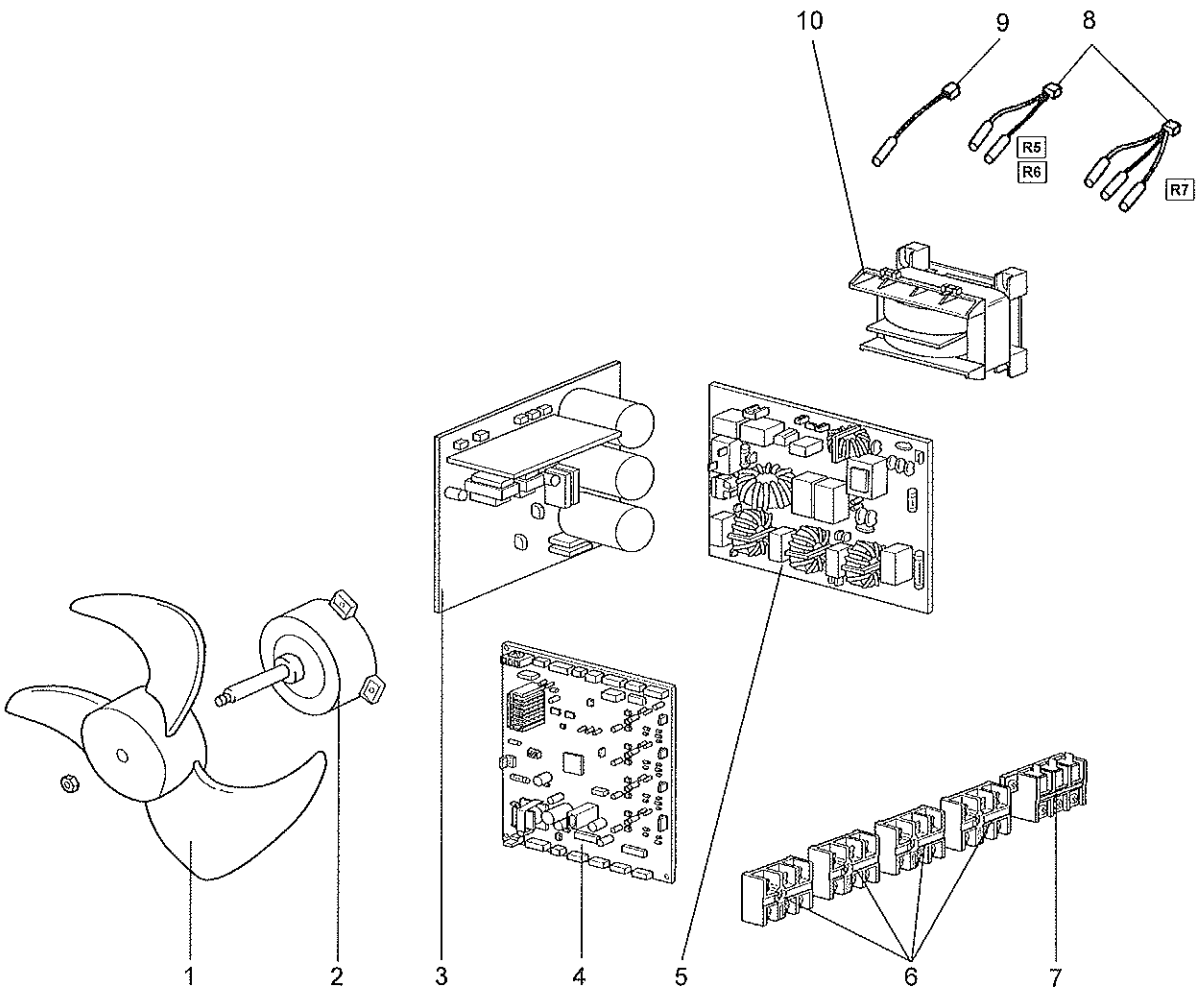
Part numbers that are circled are not shown in the illustration.

| No. | RoHS | Parts No. | Parts Name | Symbol in Wiring Diagram | Q'ty/unit MXY- 3A28VA- R6 | 3A28VA- R6 | 3A28VA- R7 | 4A28VA- R6 | 4A28VA- R6 | 4A28VA- R7 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | G | E12 D36 232 | CABINET | | 1 | 1 | | 1 | 1 | | |
| | G | E12 G87 232 | CABINET | | | | 1 | | | 1 | |
| 2 | G | E12 817 009 | HANDLE | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 3 | G | E12 939 521 | GRILLE | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 4 | G | E12 D36 246 | SUB PANEL | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 5 | G | E12 C18 900 | COMPRESSOR | MC | 1 | | | 1 | | | SNB130FGBH1 |
| | G | E12 F10 900 | COMPRESSOR | MC | | 1 | 1 | | 1 | 1 | SNB130FGBH1T |
| 6 | G | E12 C34 506 | COMPRESSOR RUBBER SET | | 3 | 3 | 3 | 3 | 3 | 3 | 3RUBBERS SET |
| 7 | G | E12 851 640 | EXPANSION VALVE | | | | | 1 | 1 | 1 | D room |
| | G | E12 939 494 | LEV COIL | LEV D | | | | 1 | 1 | | D room |
| | G | E12 F21 493 | LEV COIL | LEV D | | | | | | 1 | D room |
| 8 | G | E12 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | C room |
| | G | E12 938 494 | LEV COIL | LEV C | 1 | 1 | | 1 | 1 | | C room |
| | G | E12 F20 493 | LEV COIL | LEV C | | | 1 | | | 1 | C room |
| 9 | G | E12 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | B room |
| | G | E12 939 493 | LEV COIL | LEV B | 1 | 1 | | 1 | 1 | | B room |
| | G | E12 F54 493 | LEV COIL | LEV B | | | 1 | | | 1 | B room |
| 10 | G | E12 851 640 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | A room |
| | G | E12 938 493 | LEV COIL | LEV A | 1 | 1 | | 1 | 1 | | A room |
| | G | E12 F15 493 | LEV COIL | LEV A | | | 1 | | | 1 | A room |
| 11 | G | E12 939 290 | BASE | | 1 | 1 | | 1 | 1 | | |
| | G | E12 G87 290 | BASE | | | | 1 | | | 1 | |
| 12 | G | E12 D36 666 | UNION (GAS) | | 3 | 3 | 3 | 3 | 3 | 3 | $\phi$9.52 |
| | G | E12 D37 666 | UNION (GAS) | | | | | 1 | 1 | 1 | $\phi$12.7 |
| 13 | G | E12 D36 667 | UNION (LIQUID) | | 3 | 3 | 3 | 4 | 4 | 4 | $\phi$6.35 |
| 14 | G | E12 939 233 | BACK PANEL | | 1 | 1 | | 1 | 1 | | |
| | G | E12 G87 233 | BACK PANEL | | | | 1 | | | 1 | |
| 15 | G | E12 D36 245 | SERVICE PANEL | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 16 | G | E12 D36 662 | STOP VALVE (LIQUID) 3/8 | | 1 | 1 | 1 | 1 | 1 | 1 | $\phi$9.52 |
| 17 | G | E12 D36 661 | STOP VALVE (GAS) 5/8 | | 1 | 1 | 1 | 1 | 1 | 1 | $\phi$15.88 |
| 18 | G | E12 D36 299 | OIL SEPARATOR | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 19 | G | E12 C18 961 | 4-WAY VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 20 | G | E12 819 297 | TOP PANEL | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 21 | G | E12 939 523 | REAR GUARD | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 22 | G | E12 939 630 | OUTDOOR HEAT EXCHANGER | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 23 | G | E12 939 515 | MOTOR SUPPORT | | 1 | 1 | 1 | 1 | 1 | 1 | |
| (24) | G | E12 938 937 | CAPILLARY TUBE | | 8 | 8 | 8 | 8 | 8 | 8 | $\phi$3.6 x $\phi$2.4 x 500 |
| (25) | G | E12 939 936 | CAPILLARY TUBE | | 3 | 3 | 3 | 4 | 4 | 4 | $\phi$4.0 x $\phi$2.8 x 100 |
| (26) | G | E12 938 936 | CAPILLARY TUBE | | 1 | 1 | 1 | 1 | 1 | 1 | $\phi$2.5 x $\phi$0.6 x 1000 |
| (27) | G | E12 C18 959 | POWER RECEIVER | | 1 | 1 | 1 | 1 | 1 | 1 | |
| (28) | G | E12 853 640 | EXPANSION VALVE | LEV E | 1 | 1 | 1 | 1 | 1 | 1 | E |
| (29) | G | E12 819 493 | LEV COIL | LEV E | 1 | 1 | | 1 | 1 | | |
| | G | E12 F15 493 | LEV COL | | | | 1 | | | 1 | |

# RoHS PARTS LIST (RoHS compliant)

**MXY-3A28VA-R5, R6, R7**
**MXY-4A28VA-R5, R6, R7**

## 14-4. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



# RoHS PARTS LIST (RoHS compliant)

**MXY-3A28VA-R5, R6, R7**
**MXY-4A28VA-R5, R6, R7**

## 14-4. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

Part numbers that are circled are not shown in the illustration.

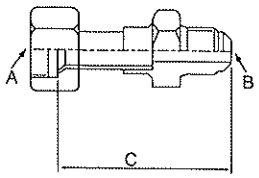
| No. | RoHS | Parts No. | Parts Name | Symbol in Wiring Diagram | Q'ty/unit MXY- 3A28VA- R5 | 3A28VA- R6 | 3A28VA- R7 | 4A28VA- R5 | 4A28VA- R6 | 4A28VA- R7 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | G | E12 851 501 | PROPELLER | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 2 | G | E12 938 301 | OUTDOOR FAN MOTOR | MF | 1 | 1 | | 1 | 1 | | RC0J60-□□ |
| | G | E12 G07 301 | OUTDOOR FAN MOTOR | MF | | | 1 | | | 1 | RC0J60-□□ |
| 3 | G | E12 C07 440 | POWER BOARD | | 1 | 1 | | 1 | 1 | | Including heat sink and RT64 |
| | G | E12 F20 440 | POWER BOARD | | | | 1 | | | 1 | Including heat sink and RT64 |
| 4 | G | E12 D63 450 | ELECTRONIC CONTROL P.C. BOARD | | 1 | | | | | | |
| | G | E12 D64 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | 1 | | | |
| | G | E12 F08 450 | ELECTRONIC CONTROL P.C. BOARD | | | 1 | | | | | |
| | G | E12 G87 450 | ELECTRONIC CONTROL P.C. BOARD | | | | 1 | | | | |
| | G | E12 F09 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | | 1 | | |
| | G | E12 G88 450 | ELECTRONIC CONTROL P.C. BOARD | | | | | | | 1 | |
| 5 | G | E12 D63 444 | NOISE FILTER P.C. BOARD | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 6 | G | E12 C92 375 | TERMINAL BLOCK | TB2~5 | 3 | 3 | 3 | 4 | 4 | 4 | Indoor unit connecting |
| 7 | G | E12 823 375 | TERMINAL BLOCK | TB1 | 1 | 1 | | 1 | 1 | | Power supply |
| | G | E12 G07 374 | TERMINAL BLOCK | TB1 | | | 1 | | | 1 | Power supply |
| 8 | G | E12 977 308 | THERMISTOR SET | RT62,68 | 1 | 1 | | 1 | 1 | | DISCHARGE, OUTDOOR HEAT EXCHANGER |
| | G | E12 D36 308 | THERMISTOR SET | RT61,62,68 | | | 1 | | | 1 | DEFROST, DISCHARGE, OUTDOOR HEAT EXCHANGER |
| 9 | G | E12 938 309 | AMBIENT TEMPERATURE THERMISTOR | RT65 | 1 | 1 | 1 | 1 | 1 | 1 | 20A 600μH |
| 10 | G | E12 938 337 | REACTOR | L | 1 | 1 | 1 | 1 | 1 | 1 | T3.15AL250V |

# 15 OPTIONAL PARTS

## 15-1. DIFFERENT-DIAMETER PIPE

| MXY-2A23VA<br>MXY-3A28VA<br>MXY-4A28VA | Model name | Connected pipes diameter | Diameter A | Diameter B | Length C |
|---|---|---|---|---|---|
| For different-diameter pipes | MAC-A454JP | φ9.52 (3/8) — φ12.7 (1/2) | φ9.52 (3/8) | φ12.7 (1/2) | 69 |
| | MAC-A455JP | φ12.7 (1/2) — φ9.52 (3/8) | φ12.7 (1/2) | φ9.52 (3/8) | 65 |
| | MAC-A456JP | φ12.7 (1/2) — φ15.88 (5/8) | φ12.7 (1/2) | φ15.88 (5/8) | 66.5 |
| | PAC-493PI | φ6.35 (1/4) — φ9.52 (3/8) | φ6.35 (1/4) | φ9.52 (3/8) | 60.5 |
| | PAC-SG76RJ-E | φ9.52 (3/8) — φ15.88 (5/8) | φ9.52 (3/8) | φ15.88 (5/8) | 101.5 |

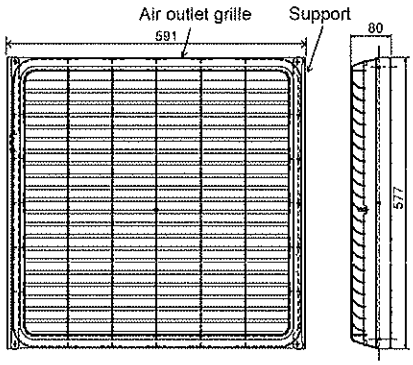
Unit : mm (inch)




## 15-2. OUTLET GUIDE

Changes air discharge direction.

| Applied unit | Model name | Model code |
|---|---|---|
| MXY-2A23VA<br>MXY-3A28VA<br>MXY-4A28VA | MAC-856SG | 51H-856 |




MAC-856SG

# MITSUBISHI ELECTRIC CORPORATION

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