Changes for the Better

MITSUBISHI ELECTRIC

SPLIT-TYPE AIR CONDITIONERS

Revision I:
- FAILURE MODE RECALL FUNCTION has been corrected.

Please void OB444 REVISED EDITION-H.

OUTDOOR UNIT

SERVICE MANUAL

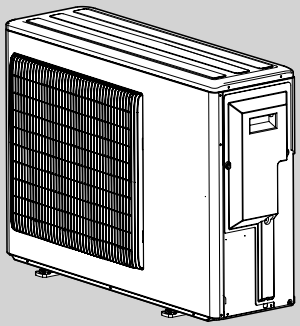
HFC utilized R410A

No. OB444
REVISED EDITION-I

Models

MXZ-2A20NA
MXZ-2A20NA -1
MXZ-2A20NA -2
MXZ-3A30NA
MXZ-3A30NA -1
MXZ-4A36NA

Indoor unit service manual
MSZ-A·NA Series (OB450)
SEZ-KD·NA.TH Series



MXZ-2A20NA
MXZ-2A20NA - 1

NOTE:
- This service manual describes technical data of the outdoor units.
- RoHS compliant products have <G> mark on the spec name plate. For servicing of RoHS compliant products, refer to the RoHS Parts List.

CONTENTS

1. TECHNICAL CHANGES· ····· 2
2. PART NAMES AND FUNCTIONS ····· 6
3. INDOOR UNITS COMBINATION ····· 7
4. SPECIFICATION ····· 43
5. NOISE CRITERIA CURVES ····· 46
6. OUTLINES AND DIMENSIONS ····· 47
7. WIRING DIAGRAM ····· 52
8. REFRIGERANT SYSTEM DIAGRAM ····· 58
9. DATA ····· 64
10. ACTUATOR CONTROL ····· 80
11. SERVICE FUNCTIONS ····· 80
12. TROUBLESHOOTING ····· 82
13. DISASSEMBLY INSTRUCTIONS ····· 102
14. PARTS LIST ····· 114
15. RoHS PARTS LIST ····· 122
16. OPTIONAL PARTS ····· 138

Mr.SLIM™

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:
• RoHS PARTS LIST has been added.

Revision B:
• MXZ-2A20NA - [1] and MXZ-3A30NA - [1] have been added.

Revision C:
• MXZ-4A36NA has been added.

Revision D:
• MXZ-2A20NA **-** [2] has been added.

Revision E:
• Wiring diagrams of MXZ-2A20NA **-** [2] MXZ-4A36NA have been corrected.

Revision F:
• Indoor units combinations for SEZ series have been added.

Revision G:
• SPECIFICATION, NOISE CRITERIA CURVES and OPTIONAL PARTS have been modified.

Revision H:
• Errors in TROUBLESHOOTING have been corrected.

Revision I:
• FAILURE MODE RECALL FUNCTION has been corrected.

1 TECHNICAL CHANGES

MXZ-2A20NA

New model

MXZ-30TN2 ➔ MXZ-3A30NA

1. Combinations of connectable indoor units have been increased.
2. capacity (BTU/h) class of connectable indoor units have been made larger.
3. Compressor has been changed. (THV247FBA ➔ TNB220FMCH)
4. Outdoor fan motor has been changed. (RA6N60-AA ➔ RC0J60-AB)
5. Refrigerant has been changed. (R22 ➔ R410A)
6. Refrigerant system diagram has been changed.
   • 1 of 2 high pressure switch has been removed.
   • Accumulator has been removed.
   • Receiver has been added.
7. Communication system has been changed.
8. Power supply way has been changed (change to supply to outdoor unit).
9. Evaporation temperature thermistor has been added.
10. Ambient temperature thermistor has been added.

MXZ-2A20NA ➔ MXZ-2A20NA - 1

1. Compressor has been changed. (SNB130FPDH1 ➔ SNB130FQBH1)
2. Gas pipe temperature thermistor has been removed.
3. Pre-heat control has been added.
4. Electronic control P.C. board has been changed.
5. Power board has been changed.

MXZ-3A30NA ➔ MXZ-3A30NA - 1

1. Ball valve has been changed to stop valve.
2. Gas pipe temperature thermistor has been removed.
3. Pre-heat control has been added.
4. Auto line correcting function has been added.
5. Noise filter P.C. board has been changed.
6. Electronic control P.C. board has been changed.
7. Weight has been changed. (158lb. ➔ 148lb.)

MXZ-4A36NA

New model

MXZ-2A20NA - 1 ➔ MXZ-2A20NA - 2

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.

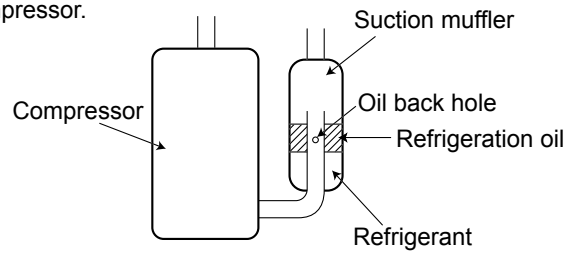
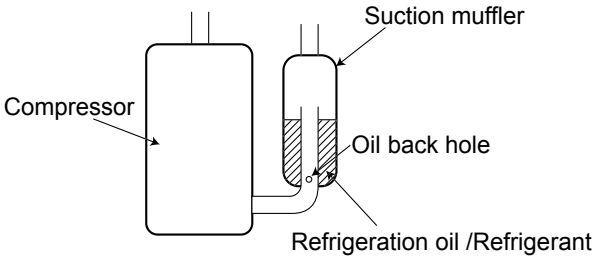
INFORMATION FOR THE AIR CONDITIONER WITH R410A REFRIGERANT

- 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.

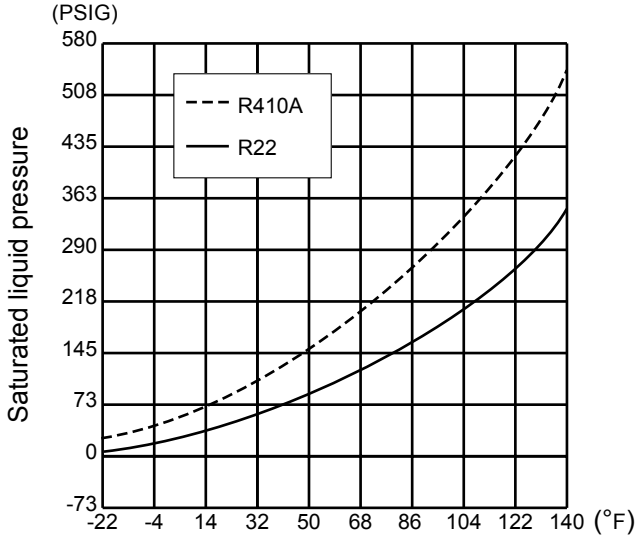
① As R410A has working pressure approximately 1.6 times as high as that of R22, some special tools and piping parts/ materials are required. Refer to the table below.
② Take sufficient care not to allow water and other contaminations to enter the R410A refrigerant during storage and installation, since 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 (-˚F)	-60.5	-41.4
	Steam pressure [77-˚F](PSIG)	225.82	136.34
	Saturated steam density [77˚F](lb/ft^3)	3.995	2.772
	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	None	Light yellow
	Smell	None	None

※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, refrigeration oil goes back to the compressor through the lower position oil back hole. 

Conversion chart of refrigerant temperature and pressure



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.

R410A tools	Can R22 tools be used?	Description
Gauge manifold	No	R410A has high pressures beyond the measurement range of existing gauges.
Charge hose	No	Hose material has been changed to improve the pressure resistance.
Gas leak detector	No	Dedicated for HFC refrigerant.
Torque wrench	Yes	1/4in. and 3/8in.
	No	1/2in. and 5/8in.
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 copper or copper-alloy seamless pipes for refrigerant that meet the following specifications.

Outside diameter (inch)	Wall thickness (inch)	Insulation material
1/4	0.0315	Heat resisting foam plastic Specific gravity 0.045 Thickness 0.315 inch
3/8	0.0315	
1/2	0.0315	
5/8	0.0394	

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 (inch)	Dimension of flare nut (mm) [inch]	
	R410A	R22
1/4	17 [11/16]	17 [11/16]
3/8	22 [7/8]	22 [7/8]
1/2	26 [1-1/32]	24 [15/16]
5/8	29 [1-5/32]	27 [1-1/16]

3. Refrigeration oil

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

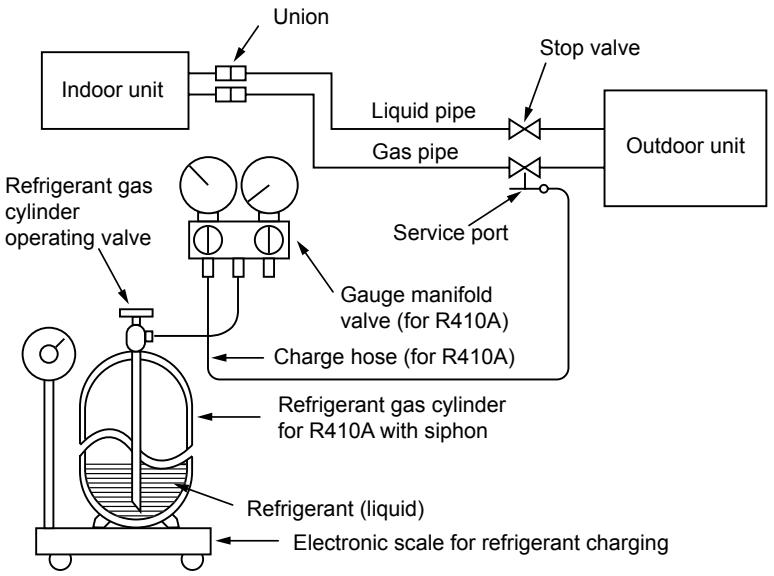
4. Air purge

- 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

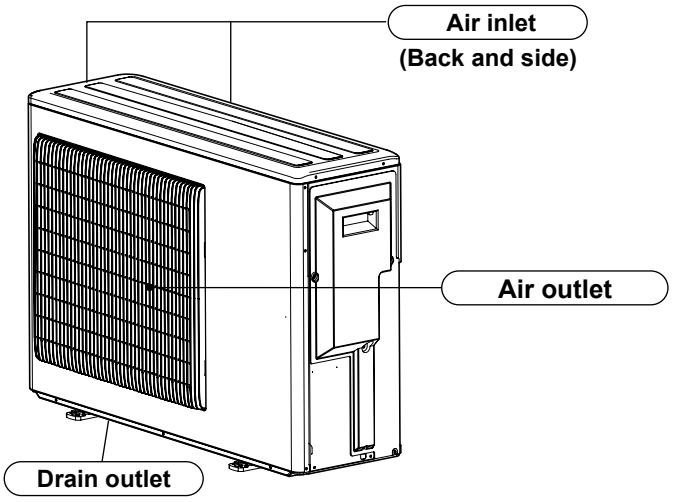
For additional charging, charge the refrigerant from liquid phase of the gas cylinder.

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.

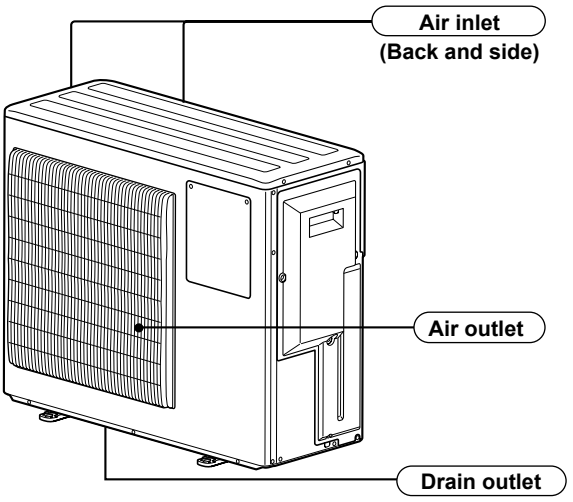


2 PART NAMES AND FUNCTIONS

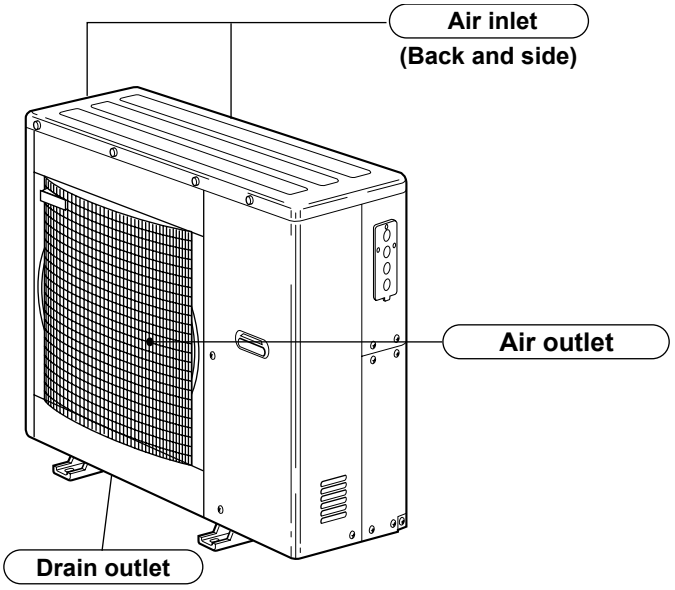
MXZ-2A20NA MXZ-2A20NA - 1



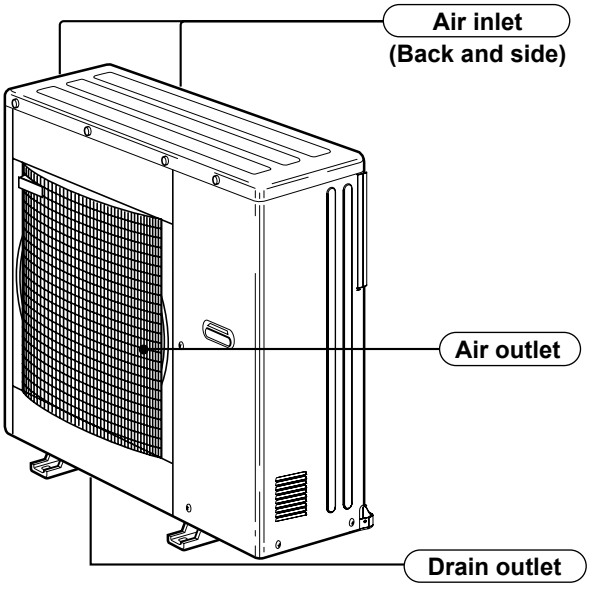
MXZ-2A20NA - 2



MXZ-3A30NA



MXZ-3A30NA - 1 MXZ-4A36NA



3 INDOOR UNITS COMBINATION

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA- 2 Cooling

Indoor units combination	Indoor type		Cooling capacity (BTU/h)			Power consumption (W)	Current(A)		Power factor (%)
	A	B	Unit A	Unit B	Total		208V	230V	
09	Wall	—	9000	—	9000 (5400 - 9000)	730 (490 - 730)	3.69	3.34	95
	Duct	—	9000	—	9000 (5400 - 9000)	750 (510 - 750)	3.80	3.43	95
12	Wall	—	12000	—	12000 (5400 - 12000)	990 (490 - 990)	5.01	4.53	95
	Duct	—	12000	—	12000 (5400 - 12000)	1010 (510 - 1010)	5.11	4.62	95
15	Wall	—	15000	—	15000 (5400 - 15000)	1540 (490 - 1540)	7.79	7.05	95
	Duct	—	15000	—	15000 (5400 - 15000)	1560 (510 - 1560)	7.89	7.14	95
09+09	Wall	Wall	9000	9000	18000 (7800 - 18000)	1740 (630 - 1740)	8.62	7.80	97
	Wall	Duct	9000	9000	18000 (7800 - 18000)	1760 (650 - 1760)	8.72	7.89	97
	Duct	Duct	9000	9000	18000 (7800 - 18000)	1780 (670 - 1780)	8.82	7.98	97
09+12	Wall	Wall	8500	11500	20000 (7800 - 20000)	2150 (630 - 2150)	10.66	9.64	97
	Wall	Duct	8500	11500	20000 (7800 - 20000)	2170 (650 - 2170)	10.76	9.73	97
	Duct	Wall	8500	11500	20000 (7800 - 20000)	2170 (650 - 2170)	10.76	9.73	97
	Duct	Duct	8500	11500	20000 (7800 - 20000)	2190 (670 - 2190)	10.85	9.82	97
09+15	Wall	Wall	7500	12500	20000 (7800 - 20000)	2150 (630 - 2150)	10.66	9.64	97
	Wall	Duct	7500	12500	20000 (7800 - 20000)	2170 (650 - 2170)	10.76	9.73	97
	Duct	Wall	7500	12500	20000 (7800 - 20000)	2170 (650 - 2170)	10.76	9.73	97
	Duct	Duct	7500	12500	20000 (7800 - 20000)	2190 (670 - 2190)	10.85	9.82	97
12+12	Wall	Wall	10000	10000	20000 (7800 - 20000)	2150 (630 - 2150)	10.66	9.64	97
	Wall	Duct	10000	10000	20000 (7800 - 20000)	2170 (650 - 2170)	10.76	9.73	97
	Duct	Duct	10000	10000	20000 (7800 - 20000)	2190 (670 - 2190)	10.85	9.82	97

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA- 2 Heating

Indoor units combination	Indoor type		Heating capacity (BTU/h)			Power consumption (W)	Current(A)		Power factor (%)
	A	B	Unit A	Unit B	Total		208V	230V	
09	Wall	—	10900	—	10900 (5200 - 15400)	940 (480 - 1430)	4.76	4.30	95
	Duct	—	10900	—	10900 (5200 - 15400)	940 (480 - 1430)	4.76	4.30	95
12	Wall	—	13600	—	13600 (5200 - 16400)	1180 (480 - 1460)	5.97	5.40	95
	Duct	—	13600	—	13600 (5200 - 16400)	1180 (480 - 1460)	5.97	5.40	95
15	Wall	—	18000	—	18000 (5200 - 21100)	1720 (480 - 2100)	8.70	7.87	95
	Duct	—	18000	—	18000 (5200 - 21100)	1720 (480 - 2100)	8.70	7.87	95
09+09	Wall	Wall	10900	10900	21800 (8500 - 21800)	1820 (520 - 1820)	9.02	8.16	97
	Wall	Duct	10900	10900	21800 (8500 - 21800)	1820 (520 - 1820)	9.02	8.16	97
	Duct	Duct	10900	10900	21800 (8500 - 21800)	1820 (520 - 1820)	9.02	8.16	97
09+12	Wall	Wall	9500	12500	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Wall	Duct	9500	12500	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Duct	Wall	9500	12500	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Duct	Duct	9500	12500	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
09+15	Wall	Wall	8250	13750	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Wall	Duct	8250	13750	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Duct	Wall	8250	13750	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Duct	Duct	8250	13750	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
12+12	Wall	Wall	11000	11000	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Wall	Duct	11000	11000	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97
	Duct	Duct	11000	11000	22000 (8500 - 22000)	1780 (520 - 1780)	8.82	7.98	97

MXZ-3A30NA MXZ-3A30NA - 1 Cooling

Indoor units combination	Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current(A)		Power factor (%)
	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V	
09	Wall	—	—	9000	—	—	9000 (7200 - 9000)	800 (650 - 800)	4.05	3.66	95
	Duct	—	—	9000	—	—	9000 (7200 - 9000)	820 (670 - 820)	4.15	3.75	95
12	Wall	—	—	12000	—	—	12000 (7200 - 12000)	1000 (650 - 1000)	5.06	4.58	95
	Duct	—	—	12000	—	—	12000 (7200 - 12000)	1020 (670 - 1020)	5.16	4.67	95
15	Wall	—	—	15000	—	—	15000 (7200 - 15000)	1320 (650 - 1320)	6.68	6.04	95
	Duct	—	—	15000	—	—	15000 (7200 - 15000)	1340 (670 - 1340)	6.78	6.13	95
17	Wall	—	—	16200	—	—	16200 (7200 - 16200)	1480 (650 - 1480)	7.49	6.77	95
18	Duct	—	—	17200	—	—	17200 (7200 - 17200)	1590 (670 - 1590)	8.05	7.28	95
24	Wall	—	—	22000	—	—	22000 (7200 - 22000)	2200 (650 - 2200)	11.13	10.07	95
09+09	Wall	Wall	—	9000	9000	—	18000 (12000 - 18000)	1800 (920 - 1800)	8.92	8.07	97
	Wall	Duct	—	9000	9000	—	18000 (12000 - 18000)	1820 (940 - 1820)	9.02	8.16	97
	Duct	Duct	—	9000	9000	—	18000 (12000 - 18000)	1840 (960 - 1840)	9.12	8.25	97
09+12	Wall	Wall	—	9000	12000	—	21000 (12000 - 21000)	2000 (920 - 2000)	9.91	8.96	97
	Wall	Duct	—	9000	12000	—	21000 (12000 - 21000)	2020 (940 - 2020)	10.01	9.05	97
	Duct	Wall	—	9000	12000	—	21000 (12000 - 21000)	2020 (940 - 2020)	10.01	9.05	97
	Duct	Duct	—	9000	12000	—	21000 (12000 - 21000)	2040 (960 - 2040)	10.11	9.14	97
09+15	Wall	Wall	—	9000	15000	—	24000 (12000 - 24000)	2500 (920 - 2500)	12.39	11.21	97
	Wall	Duct	—	9000	15000	—	24000 (12000 - 24000)	2520 (940 - 2520)	12.49	11.30	97
	Duct	Wall	—	9000	15000	—	24000 (12000 - 24000)	2520 (940 - 2520)	12.49	11.30	97
	Duct	Duct	—	9000	15000	—	24000 (12000 - 24000)	2540 (960 - 2540)	12.59	11.39	97
09+17	Wall	Wall	—	9000	16200	—	25200 (12000 - 25200)	2700 (920 - 2700)	13.38	12.10	97
	Duct	Wall	—	9000	16200	—	25200 (12000 - 25200)	2720 (940 - 2720)	13.48	12.19	97
09+18	Wall	Duct	—	8900	17100	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
	Duct	Duct	—	8900	17100	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	12.73	97

Indoor units combination	Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current(A)		Power factor (%)
	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V	
09+24	Wall	Wall	—	7600	20400	—	28000 (12000 - 28000)	3200 (920 - 3200)	15.86	14.34	97
	Duct	Wall	—	7600	20400	—	28000 (12000 - 28000)	3220 (940 - 3220)	15.96	14.43	97
12+12	Wall	Wall	—	12000	12000	—	24000 (12000 - 24000)	2500 (920 - 2500)	12.39	11.21	97
	Wall	Duct	—	12000	12000	—	24000 (12000 - 24000)	2520 (940 - 2520)	12.49	11.30	97
	Duct	Duct	—	12000	12000	—	24000 (12000 - 24000)	2540 (960 - 2540)	12.59	11.39	97
12+15	Wall	Wall	—	11500	14500	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	12.55	97
	Wall	Duct	—	11500	14500	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
	Duct	Wall	—	11500	14500	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
	Duct	Duct	—	11500	14500	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	12.73	97
12+17	Wall	Wall	—	10800	15200	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	12.55	97
	Duct	Wall	—	10800	15200	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
12+18	Wall	Duct	—	10400	15600	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
	Duct	Duct	—	10400	15600	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	12.73	97
15+15	Wall	Wall	—	13000	13000	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	12.55	97
	Wall	Duct	—	13000	13000	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
	Duct	Duct	—	13000	13000	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	12.73	97
15+17	Wall	Wall	—	12200	13800	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	12.55	97
	Duct	Wall	—	12200	13800	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
15+18	Wall	Duct	—	11800	14200	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
	Duct	Duct	—	11800	14200	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	12.73	97
17+17	Wall	Wall	—	13000	13000	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	12.55	97
17+18	Wall	Duct	—	12600	13400	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	12.64	97
18+18	Duct	Duct	—	13000	13000	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	12.73	97

Indoor units combination	Indoor type			Cooling capacity (BTU/h)				Power consumption (W)	Current(A)		Power factor (%)
	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V	
09+09+09	Wall	Wall	Wall	9000	9000	9000	27000 (12600 - 27000)	2860 (1000 - 2860)	14.18	12.82	97
	Wall	Wall	Duct	9000	9000	8500	26500 (12600 - 26500)	2890 (1020 - 2890)	14.32	12.95	97
	Wall	Duct	Duct	9000	8500	8500	26000 (12600 - 26000)	2920 (1040 - 2920)	14.47	13.09	97
	Duct	Duct	Duct	8500	8500	8500	25500 (12600 - 25500)	2950 (1060 - 2950)	14.62	13.22	97
09+09+12	Wall	Wall	Wall	8500	8500	11400	28400 (12600 - 28400)	3250 (1000 - 3250)	16.11	14.57	97
	Wall	Wall	Duct	8500	8500	11400	28400 (12600 - 28400)	3270 (1020 - 3270)	16.21	14.66	97
	Wall	Duct	Wall	8500	8000	11400	27900 (12600 - 27900)	3280 (1020 - 3280)	16.26	14.70	97
	Wall	Duct	Duct	8500	8000	11400	27900 (12600 - 27900)	3300 (1040 - 3300)	16.36	14.79	97
	Duct	Duct	Wall	8000	8000	11400	27400 (12600 - 27400)	3310 (1040 - 3310)	16.41	14.84	97
	Duct	Duct	Duct	8000	8000	11400	27400 (12600 - 27400)	3330 (1060 - 3330)	16.50	14.93	97
09+09+15	Wall	Wall	Wall	7750	7750	12900	28400 (12600 - 28400)	3250 (1000 - 3250)	16.11	14.57	97
	Wall	Wall	Duct	7750	7750	12900	28400 (12600 - 28400)	3270 (1020 - 3270)	16.21	14.66	97
	Wall	Duct	Wall	7750	7250	12900	27900 (12600 - 27900)	3280 (1020 - 3280)	16.26	14.70	97
	Wall	Duct	Duct	7750	7250	12900	27900 (12600 - 27900)	3300 (1040 - 3300)	16.36	14.79	97
	Duct	Duct	Wall	7250	7250	12900	27400 (12600 - 27400)	3310 (1040 - 3310)	16.41	14.84	97
	Duct	Duct	Duct	7250	7250	12900	27400 (12600 - 27400)	3330 (1060 - 3330)	16.50	14.93	97
09+09+17	Wall	Wall	Wall	7300	7300	13800	28400 (12600 - 28400)	3250 (1000 - 3250)	16.11	14.57	97
	Wall	Duct	Wall	7300	6800	13800	27900 (12600 - 27900)	3280 (1020 - 3280)	16.26	14.70	97
	Duct	Duct	Wall	6800	6800	13800	27400 (12600 - 27400)	3310 (1040 - 3310)	16.41	14.84	97
09+09+18	Wall	Wall	Duct	7100	7100	14200	28400 (12600 - 28400)	3270 (1020 - 3270)	16.21	14.66	97
	Wall	Duct	Duct	7100	6600	14200	27900 (12600 - 27900)	3300 (1040 - 3300)	16.36	14.79	97
	Duct	Duct	Duct	6600	6600	14200	27400 (12600 - 27400)	3330 (1060 - 3330)	16.50	14.93	97

MXZ-3A30NA MXZ-3A30NA - 1 Heating

Indoor units combination	Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current(A)		Power factor (%)
	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V	
09	Wall	—	—	10900	—	—	10900 (8600 - 15400)	1100 (780 - 1520)	5.57	5.03	95
	Duct	—	—	10900	—	—	10900 (8600 - 15400)	1100 (780 - 1520)	5.57	5.03	95
12	Wall	—	—	13600	—	—	13600 (8600 - 16400)	1380 (780 - 1600)	6.98	6.32	95
	Duct	—	—	13600	—	—	13600 (8600 - 16400)	1380 (780 - 1600)	6.98	6.32	95
15	Wall	—	—	18000	—	—	18000 (8600 - 21100)	1940 (780 - 2280)	9.82	8.88	95
	Duct	—	—	18000	—	—	18000 (8600 - 21100)	1940 (780 - 2280)	9.82	8.88	95
17	Wall	—	—	20100	—	—	20100 (8600 - 21500)	2240 (780 - 2300)	11.34	10.25	95
18	Duct	—	—	21600	—	—	21600 (8600 - 24900)	2410 (780 - 2770)	12.20	11.03	95
24	Wall	—	—	23200	—	—	23200 (8600 - 27800)	2520 (780 - 3000)	12.75	11.53	95
09+09	Wall	Wall	—	10900	10900	—	21800 (11000 - 31000)	1700 (740 - 2560)	8.43	7.62	97
	Wall	Duct	—	10900	10900	—	21800 (11000 - 31000)	1700 (740 - 2560)	8.43	7.62	97
	Duct	Duct	—	10900	10900	—	21800 (11000 - 31000)	1700 (740 - 2560)	8.43	7.62	97
09+12	Wall	Wall	—	10900	13600	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	8.87	97
	Wall	Duct	—	10900	13600	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	8.87	97
	Duct	Wall	—	10900	13600	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	8.87	97
	Duct	Duct	—	10900	13600	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	8.87	97
09+15	Wall	Wall	—	10100	16900	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Wall	Duct	—	10100	16900	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Duct	Wall	—	10100	16900	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Duct	Duct	—	10100	16900	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
09+17	Wall	Wall	—	9300	17700	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Duct	Wall	—	9300	17700	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
09+18	Wall	Duct	—	9000	18000	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Duct	Duct	—	9000	18000	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97

Indoor units combination	Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current(A)		Power factor (%)
	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V	
09+24	Wall	Wall	—	7300	19700	—	27000 (11000 - 35000)	1980 (740 - 2740)	9.81	8.87	97
	Duct	Wall	—	7300	19700	—	27000 (11000 - 35000)	1980 (740 - 2740)	9.81	8.87	97
12+12	Wall	Wall	—	13500	13500	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Wall	Duct	—	13500	13500	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
	Duct	Duct	—	13500	13500	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	9.86	97
12+15	Wall	Wall	—	12000	15000	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	9.68	97
	Wall	Duct	—	12000	15000	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	9.68	97
	Duct	Wall	—	12000	15000	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	9.68	97
	Duct	Duct	—	12000	15000	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	9.68	97
12+17	Wall	Wall	—	11200	15800	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	9.59	97
	Duct	Wall	—	11200	15800	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	9.59	97
12+18	Wall	Duct	—	10800	16200	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	9.59	97
	Duct	Duct	—	10800	16200	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	9.59	97
15+15	Wall	Wall	—	13500	13500	—	27000 (11000 - 35000)	2120 (740 - 2800)	10.51	9.50	97
	Wall	Duct	—	13500	13500	—	27000 (11000 - 35000)	2120 (740 - 2800)	10.51	9.50	97
	Duct	Duct	—	13500	13500	—	27000 (11000 - 35000)	2120 (740 - 2800)	10.51	9.50	97
15+17	Wall	Wall	—	12700	14300	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	9.46	97
	Duct	Wall	—	12700	14300	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	9.46	97
15+18	Wall	Duct	—	12300	14700	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	9.46	97
	Wall	Duct	—	12300	14700	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	9.46	97
17+17	Wall	Wall	—	13500	13500	—	27000 (11000 - 35000)	2100 (740 - 2800)	10.41	9.41	97
17+18	Wall	Duct	—	13100	13900	—	27000 (11000 - 35000)	2100 (740 - 2800)	10.41	9.41	97
18+18	Duct	Duct	—	13500	13500	—	27000 (11000 - 35000)	2100 (740 - 2800)	10.41	9.41	97

Indoor units combination	Indoor type			Heating capacity (BTU/h)				Power consumption (W)	Current(A)		Power factor (%)
	A	B	C	Unit A	Unit B	Unit C	Total		208V	230V	
09+09+09	Wall	Wall	Wall	9500	9500	9500	28500 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Wall	Duct	9500	9500	9000	28000 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Wall	Duct	Duct	9500	9000	9000	27500 (11400 - 35000)	2220 (740 - 2920)	11.00	9.95	97
	Duct	Duct	Duct	9000	9000	9000	27000 (11400 - 34500)	2240 (740 - 2940)	11.10	10.04	97
09+09+12	Wall	Wall	Wall	8600	8600	11400	28600 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Wall	Duct	8600	8600	11400	28600 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Duct	Wall	8600	8100	11400	28100 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Wall	Duct	Duct	8600	8100	11400	28100 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Duct	Duct	Wall	8100	8100	11400	27600 (11400 - 35000)	2220 (740 - 2920)	11.00	9.95	97
	Duct	Duct	Duct	8100	8100	11400	27600 (11400 - 35000)	2220 (740 - 2920)	11.00	9.95	97
09+09+15	Wall	Wall	Wall	7800	7800	13000	28600 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Wall	Duct	7800	7800	13000	28600 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Duct	Wall	7800	7300	13000	28100 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Wall	Duct	Duct	7800	7300	13000	28100 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Duct	Duct	Wall	7300	7300	13000	27600 (11400 - 35000)	2220 (740 - 2920)	11.00	9.95	97
	Duct	Duct	Duct	7300	7300	13000	27600 (11400 - 35000)	2200 (740 - 2920)	10.90	9.86	97
09+09+17	Wall	Wall	Wall	7350	7350	13900	28600 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Duct	Wall	7350	6850	13900	28100 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Duct	Duct	Wall	6850	6850	13900	27600 (11400 - 35000)	2220 (740 - 2920)	11.00	9.95	97
09+09+18	Wall	Wall	Duct	7200	7200	14200	28600 (11400 - 36000)	2180 (740 - 2880)	10.80	9.77	97
	Wall	Duct	Duct	7200	6700	14200	28100 (11400 - 35500)	2200 (740 - 2900)	10.90	9.86	97
	Duct	Duct	Duct	6700	6700	14200	27600 (11400 - 35000)	2220 (740 - 2920)	11.00	9.95	97

MXZ-4A36NA 208V Cooling

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09	Wall	—	—	—	9000		—	—	9000 (7200 - 9000)	800 (650 - 800)	4.05	95
	Duct	—	—	—	9000		—	—	9000 (7200 - 9000)	820 (670 - 820)	4.15	95
12	Wall	—	—	—	12000		—	—	12000 (7200 - 12000)	1000 (650 - 1000)	5.06	95
	Duct	—	—	—	12000		—	—	12000 (7200 - 12000)	1020 (670 - 1020)	5.16	95
15	Wall	—	—	—	15000		—	—	15000 (7200 - 15000)	1320 (650 - 1320)	6.68	95
	Duct	—	—	—	15000		—	—	15000 (7200 - 15000)	1340 (670 - 1340)	6.78	95
17	Wall	—	—	—	16200		—	—	16200 (7200 - 16200)	1480 (650 - 1480)	7.49	95
18	Duct	—	—	—	17200		—	—	17200 (7200 - 17200)	1590 (670 - 1590)	8.05	95
24	Wall	—	—	—	22000		—	—	22000 (7200 - 22000)	2200 (650 - 2200)	11.13	95
09+09	Wall	Wall	—	—	9000	9000	—	—	18000 (12000 - 18000)	1800 (920 - 1800)	8.92	97
	Wall	Duct	—	—	9000	9000	—	—	18000 (12000 - 18000)	1820 (940 - 1820)	9.02	97
	Duct	Duct	—	—	9000	9000	—	—	18000 (12000 - 18000)	1840 (960 - 1840)	9.12	97
09+12	Wall	Wall	—	—	9000	12000	—	—	21000 (12000 - 21000)	2000 (920 - 2000)	9.91	97
	Wall	Duct	—	—	9000	12000	—	—	21000 (12000 - 21000)	2020 (940 - 2020)	10.01	97
	Duct	Wall	—	—	9000	12000	—	—	21000 (12000 - 20600)	2020 (940 - 2020)	10.01	97
	Duct	Duct	—	—	9000	12000	—	—	21000 (12000 - 20600)	2040 (960 - 2040)	10.11	97
09+15	Wall	Wall	—	—	9000	15000	—	—	24000 (12000 - 24000)	2500 (920 - 2500)	12.39	97
	Wall	Duct	—	—	9000	15000	—	—	24000 (12000 - 24000)	2520 (940 - 2520)	12.49	97
	Duct	Wall	—	—	9000	15000	—	—	24000 (12000 - 24000)	2520 (940 - 2520)	12.49	97
	Duct	Duct	—	—	9000	15000	—	—	24000 (12000 - 24000)	2540 (960 - 2540)	12.59	97
09+17	Wall	Wall	—	—	9000	16200	—	—	25200 (12000 - 25200)	2700 (920 - 2700)	13.38	97
	Duct	Wall	—	—	9000	16200	—	—	25200 (12000 - 25200)	2720 (940 - 2720)	13.48	97
09+18	Wall	Duct	—	—	8900	17100	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
	Duct	Duct	—	—	8900	17100	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	97
09+24	Wall	Wall	—	—	7600	20400	—	—	28000 (12000 - 28000)	3200 (920 - 3200)	15.86	97
	Duct	Wall	—	—	7600	20400	—	—	28000 (12000 - 28000)	3220 (940 - 3220)	15.96	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
12+12	Wall	Wall	—	—	12000	12000	—	—	24000 (12000 - 24000)	2500 (920 - 2500)	12.39	97
	Wall	Duct	—	—	12000	12000	—	—	24000 (12000 - 24000)	2520 (940 - 2520)	12.49	97
	Duct	Duct	—	—	12000	12000	—	—	24000 (12000 - 24000)	2540 (960 - 2540)	12.59	97
12+15	Wall	Wall	—	—	11500	14500	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	97
	Wall	Duct	—	—	11500	14500	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
	Duct	Wall	—	—	11500	14500	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
	Duct	Duct	—	—	11500	14500	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	97
12+17	Wall	Wall	—	—	10800	15200	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	97
	Duct	Wall	—	—	10800	15200	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
12+18	Wall	Duct	—	—	10400	15600	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
	Duct	Duct	—	—	10400	15600	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	97
15+15	Wall	Wall	—	—	13000	13000	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	97
	Wall	Duct	—	—	13000	13000	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
	Duct	Duct	—	—	13000	13000	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	97
15+17	Wall	Wall	—	—	12200	13800	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	97
	Duct	Wall	—	—	12200	13800	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
15+18	Wall	Duct	—	—	11800	14200	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
	Duct	Duct	—	—	11800	14200	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	97
17+17	Wall	Wall	—	—	13000	13000	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	13.88	97
17+18	Wall	Duct	—	—	12600	13400	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	13.98	97
18+18	Duct	Duct	—	—	13000	13000	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	14.08	97
09+09+09	Wall	Wall	Wall	—	9000	9000	9000	—	27000 (12600 - 27000)	2860 (1000 - 2860)	14.18	97
	Wall	Wall	Duct	—	9000	9000	8600	—	26600 (12600 - 26600)	2890 (1020 - 2890)	14.32	97
	Wall	Duct	Duct	—	9000	8600	8600	—	26200 (12600 - 26200)	2920 (1040 - 2920)	14.47	97
	Duct	Duct	Duct	—	8600	8600	8600	—	25800 (12600 - 25800)	2950 (1060 - 2950)	14.62	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+09+12	Wall	Wall	Wall	—	9000	9000	12000	—	30000 (12600 - 30000)	3270 (1000 - 3270)	16.21	97
	Wall	Wall	Duct	—	9000	9000	12000	—	30000 (12600 - 30000)	3290 (1020 - 3290)	16.31	97
	Wall	Duct	Wall	—	9000	8600	12000	—	29600 (12600 - 29600)	3300 (1020 - 3300)	16.36	97
	Wall	Duct	Duct	—	9000	8600	12000	—	29600 (12600 - 29600)	3320 (1040 - 3320)	16.46	97
	Duct	Duct	Wall	—	8600	8600	12000	—	29200 (12600 - 29200)	3330 (1040 - 3330)	16.50	97
	Duct	Duct	Duct	—	8600	8600	12000	—	29200 (12600 - 29200)	3350 (1060 - 3350)	16.60	97
09+09+15	Wall	Wall	Wall	—	8800	8800	14500	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	8800	8800	14500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Wall	—	8800	8400	14500	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Wall	Duct	Duct	—	8800	8400	14500	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Wall	—	8400	8400	14500	—	31300 (12600 - 31300)	3560 (1040 - 3560)	17.64	97
	Duct	Duct	Duct	—	8400	8400	14500	—	31300 (12600 - 31300)	3580 (1060 - 3580)	17.74	97
09+09+17	Wall	Wall	Wall	—	8200	8200	15700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Duct	Wall	—	8200	7800	15700	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Duct	Wall	—	7800	7800	15700	—	31300 (12600 - 31300)	3560 (1040 - 3560)	17.64	97
09+09+18	Wall	Wall	Duct	—	8100	8100	15900	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	8100	7700	15900	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Duct	—	7700	7700	15900	—	31300 (12600 - 31300)	3580 (1060 - 3580)	17.74	97
09+09+24	Wall	Wall	Wall	—	6900	6900	18300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Duct	Wall	—	6900	6500	18300	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Duct	Wall	—	6500	6500	18300	—	31300 (12600 - 31300)	3560 (1040 - 3560)	17.64	97
09+12+12	Wall	Wall	Wall	—	8700	11700	11700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	8700	11700	11700	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	8700	11700	11700	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Wall	Wall	—	8300	11700	11700	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Wall	Duct	—	8300	11700	11700	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Duct	—	8300	11700	11700	—	31700 (12600 - 31700)	3570 (1060 - 3570)	17.69	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+12+15	Wall	Wall	Wall	—	8000	10700	13400	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	8000	10700	13400	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Wall	—	8000	10700	13400	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	8000	10700	13400	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Wall	Wall	—	7600	10700	13400	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Wall	Duct	—	7600	10700	13400	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Wall	—	7600	10700	13400	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Duct	—	7600	10700	13400	—	31700 (12600 - 31700)	3570 (1060 - 3570)	17.69	97
09+12+17	Wall	Wall	Wall	—	7600	10100	14400	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Duct	Wall	—	7600	10100	14400	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Duct	Wall	Wall	—	7200	10100	14400	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Duct	Wall	—	7200	10100	14400	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
09+12+18	Wall	Wall	Duct	—	7500	10000	14600	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	7500	10000	14600	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Wall	Duct	—	7100	10000	14600	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Duct	—	7100	10000	14600	—	31700 (12600 - 31700)	3570 (1060 - 3570)	17.69	97
09+15+15	Wall	Wall	Wall	—	7500	12300	12300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	7500	12300	12300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	7500	12300	12300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Wall	Wall	—	7100	12300	12300	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Wall	Duct	—	7100	12300	12300	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Duct	—	7100	12300	12300	—	31700 (12600 - 31700)	3570 (1060 - 3570)	17.69	97
09+15+17	Wall	Wall	Wall	—	7100	11700	13300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Duct	Wall	—	7100	11700	13300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Duct	Wall	Wall	—	6700	11700	13300	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
	Duct	Duct	Wall	—	6700	11700	13300	—	31700 (12600 - 31700)	3570 (1040 - 3570)	17.69	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+15+18	Wall	Wall	Duct	—	7000	11600	13500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	7000	11600	13500	—	32100 (12600 - 32100)	3540 (1040 - 3520)	17.55	97
	Duct	Wall	Duct	—	6600	11600	13500	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
	Duct	Duct	Duct	—	6600	11600	13500	—	31700 (12600 - 31700)	3570 (1060 - 3570)	17.69	97
09+17+17	Wall	Wall	Wall	—	6700	12700	12700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Duct	Wall	Wall	—	6300	12700	12700	—	31700 (12600 - 31700)	3530 (1020 - 3530)	17.50	97
09+17+18	Wall	Wall	Duct	—	6600	12600	12900	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Duct	Wall	Duct	—	6200	12600	12900	—	31700 (12600 - 31700)	3550 (1040 - 3550)	17.60	97
09+18+18	Wall	Duct	Duct	—	6500	12800	12800	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Duct	Duct	—	6100	12800	12800	—	31700 (12600 - 31700)	3570 (1060 - 3570)	17.69	97
12+12+12	Wall	Wall	Wall	—	10700	10700	10700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	10700	10700	10700	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	10700	10700	10700	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Duct	Duct	—	10700	10700	10700	—	32100 (12600 - 32100)	3560 (1060 - 3560)	17.64	97
12+12+15	Wall	Wall	Wall	—	9900	9900	12300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	9900	9900	12300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Wall	—	9900	9900	12300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	9900	9900	12300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Duct	Wall	—	9900	9900	12300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Duct	Duct	—	9900	9900	12300	—	32100 (12600 - 32100)	3560 (1060 - 3560)	17.64	97
12+12+17	Wall	Wall	Wall	—	9400	9400	13300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Duct	Wall	—	9400	9400	13300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Duct	Duct	Wall	—	9400	9400	13300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
12+12+18	Wall	Wall	Duct	—	9300	9300	13500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	9300	9300	13500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Duct	Duct	—	9300	9300	13500	—	32100 (12600 - 32100)	3560 (1060 - 3560)	17.64	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
12+15+15	Wall	Wall	Wall	—	9100	11500	11500	—	32100 (12600 - 32100)	3500 (1000 - 3500)	17.35	97
	Wall	Wall	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Wall	Duct	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Wall	Wall	—	9100	11500	11500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	17.45	97
	Duct	Wall	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	17.55	97
	Duct	Duct	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3560 (1060 - 3560)	17.64	97
09+09+09+09	Wall	Wall	Wall	Wall	9000	9000	9000	9000	36000 (12600 - 36400)	3820 (1000 - 3900)	18.55	99
	Wall	Wall	Wall	Duct	9000	9000	9000	8600	35600 (12600 - 36000)	3850 (1020 - 3930)	18.70	99
	Wall	Wall	Duct	Duct	9000	9000	8600	8600	35200 (12600 - 35600)	3880 (1040 - 3960)	18.84	99
	Wall	Duct	Duct	Duct	9000	8600	8600	8600	34800 (12600 - 35200)	3910 (1060 - 3990)	18.99	99
	Duct	Duct	Duct	Duct	8600	8600	8600	8600	34400 (12600 - 34800)	3940 (1080 - 4020)	19.13	99
09+09+09+12	Wall	Wall	Wall	Wall	8300	8300	8300	11100	36000 (12600 - 36400)	3820 (1000 - 3900)	18.55	99
	Wall	Wall	Wall	Duct	8300	8300	8300	11100	36000 (12600 - 36400)	3840 (1020 - 3920)	18.65	99
	Wall	Wall	Duct	Wall	8300	8300	7900	11100	35600 (12600 - 36000)	3850 (1020 - 3930)	18.70	99
	Wall	Wall	Duct	Duct	8300	8300	7900	11100	35600 (12600 - 36000)	3870 (1040 - 3950)	18.79	99
	Wall	Duct	Duct	Wall	8300	7900	7900	11100	35200 (12600 - 35600)	3880 (1040 - 3960)	18.84	99
	Wall	Duct	Duct	Duct	8300	7900	7900	11100	35200 (12600 - 35600)	3900 (1060 - 3980)	18.94	99
	Duct	Duct	Duct	Wall	7900	7900	7900	11100	34800 (12600 - 35200)	3910 (1060 - 3990)	18.99	99
	Duct	Duct	Duct	Duct	7900	7900	7900	11100	34800 (12600 - 35200)	3930 (1080 - 4010)	19.09	99
09+09+09+15	Wall	Wall	Wall	Wall	7700	7700	7700	12900	36000 (12600 - 36400)	3820 (1000 - 3900)	18.55	99
	Wall	Wall	Wall	Duct	7700	7700	7700	12900	36000 (12600 - 36400)	3840 (1020 - 3920)	18.65	99
	Wall	Wall	Duct	Wall	7700	7700	7300	12900	35600 (12600 - 36000)	3850 (1020 - 3930)	18.70	99
	Wall	Wall	Duct	Duct	7700	7700	7300	12900	35600 (12600 - 36000)	3870 (1040 - 3950)	18.79	99
	Wall	Duct	Duct	Wall	7700	7300	7300	12900	35200 (12600 - 35600)	3880 (1040 - 3960)	18.84	99
	Wall	Duct	Duct	Duct	7700	7300	7300	12900	35200 (12600 - 35600)	3900 (1060 - 3980)	18.94	99
	Duct	Duct	Duct	Wall	7300	7300	7300	12900	34800 (12600 - 35200)	3910 (1060 - 3990)	18.99	99
	Duct	Duct	Duct	Duct	7300	7300	7300	12900	34800 (12600 - 35200)	3930 (1080 - 4010)	19.09	99

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+09+12+12	Wall	Wall	Wall	Wall	7700	7700	10300	10300	36000 (12600 - 36400)	3820 (1000 - 3900)	18.55	99
	Wall	Wall	Wall	Duct	7700	7700	10300	10300	36000 (12600 - 36400)	3840 (1020 - 3920)	18.65	99
	Wall	Wall	Duct	Duct	7700	7700	10300	10300	36000 (12600 - 36400)	3860 (1040 - 3940)	18.75	99
	Wall	Duct	Wall	Wall	7700	7300	10300	10300	35600 (12600 - 36000)	3850 (1020 - 3930)	18.70	99
	Wall	Duct	Wall	Duct	7700	7300	10300	10300	35600 (12600 - 36000)	3870 (1040 - 3950)	18.79	99
	Wall	Duct	Duct	Duct	7700	7300	10300	10300	35600 (12600 - 36000)	3890 (1060 - 3970)	18.89	99
	Duct	Duct	Wall	Wall	7300	7300	10300	10300	35200 (12600 - 35600)	3880 (1040 - 3960)	18.84	99
	Duct	Duct	Wall	Duct	7300	7300	10300	10300	35200 (12600 - 35600)	3900 (1060 - 3980)	18.94	99
	Duct	Duct	Duct	Duct	7300	7300	10300	10300	35200 (12600 - 35600)	3920 (1080 - 4000)	19.04	99

MXZ-4A36NA 230V Cooling

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09	Wall	—	—	—	9000	—	—	—	9000 (7200 - 9000)	800 (650 - 800)	3.66	95
	Duct	—	—	—	9000	—	—	—	9000 (7200 - 9000)	820 (670 - 820)	3.75	95
12	Wall	—	—	—	12000	—	—	—	12000 (7200 - 12000)	1000 (650 - 1000)	4.58	95
	Duct	—	—	—	12000	—	—	—	12000 (7200 - 12000)	1020 (670 - 1020)	4.67	95
15	Wall	—	—	—	15000	—	—	—	15000 (7200 - 15000)	1320 (650 - 1320)	6.04	95
	Duct	—	—	—	15000	—	—	—	15000 (7200 - 15000)	1340 (670 - 1340)	6.13	95
17	Wall	—	—	—	16200	—	—	—	16200 (7200 - 16200)	1480 (650 - 1480)	6.77	95
18	Duct	—	—	—	17200	—	—	—	17200 (7200 - 17200)	1590 (670 - 1590)	7.28	95
24	Wall	—	—	—	22000	—	—	—	22000 (7200 - 22000)	2200 (650 - 2200)	10.07	95
09+09	Wall	Wall	—	—	9000	9000	—	—	18000 (12000 - 18000)	1800 (920 - 1800)	8.07	97
	Wall	Duct	—	—	9000	9000	—	—	18000 (12000 - 18000)	1820 (940 - 1820)	8.16	97
	Duct	Duct	—	—	9000	9000	—	—	18000 (12000 - 18000)	1840 (960 - 1840)	8.25	97
09+12	Wall	Wall	—	—	9000	12000	—	—	21000 (12000 - 21000)	2000 (920 - 2000)	8.96	97
	Wall	Duct	—	—	9000	12000	—	—	21000 (12000 - 21000)	2020 (940 - 2020)	9.05	97
	Duct	Wall	—	—	9000	12000	—	—	21000 (12000 - 21000)	2020 (940 - 2020)	9.05	97
	Duct	Duct	—	—	9000	12000	—	—	21000 (12000 - 21000)	2040 (960 - 2040)	9.14	97
09+15	Wall	Wall	—	—	9000	15000	—	—	24000 (12000 - 24000)	2500 (920 - 2500)	11.21	97
	Wall	Duct	—	—	9000	15000	—	—	24000 (12000 - 24000)	2520 (940 - 2520)	11.30	97
	Duct	Wall	—	—	9000	15000	—	—	24000 (12000 - 24000)	2520 (940 - 2520)	11.30	97
	Duct	Duct	—	—	9000	15000	—	—	24000 (12000 - 24000)	2540 (960 - 2540)	11.39	97
09+17	Wall	Wall	—	—	9000	16200	—	—	25200 (12000 - 25200)	2700 (920 - 2700)	12.10	97
	Duct	Wall	—	—	9000	16200	—	—	25200 (12000 - 25200)	2720 (940 - 2720)	12.19	97
09+18	Wall	Duct	—	—	8900	17100	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
	Duct	Duct	—	—	8900	17100	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	12.73	97
09+24	Wall	Wall	—	—	7600	20400	—	—	28000 (12000 - 28000)	3200 (920 - 3200)	14.34	97
	Duct	Wall	—	—	7600	20400	—	—	28000 (12000 - 28000)	3220 (940 - 3220)	14.43	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
12+12	Wall	Wall	—	—	12000	12000	—	—	24000 (12000 - 24000)	2500 (920 - 2500)	11.21	97
	Wall	Duct	—	—	12000	12000	—	—	24000 (12000 - 24000)	2520 (940 - 2520)	11.30	97
	Duct	Duct	—	—	12000	12000	—	—	24000 (12000 - 24000)	2540 (960 - 2540)	11.39	97
12+15	Wall	Wall	—	—	11500	14500	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	12.55	97
	Wall	Duct	—	—	11500	14500	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
	Duct	Wall	—	—	11500	14500	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
	Duct	Duct	—	—	11500	14500	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	12.73	97
12+17	Wall	Wall	—	—	10800	15200	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	12.55	97
	Duct	Wall	—	—	10800	15200	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
12+18	Wall	Duct	—	—	10400	15600	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
	Duct	Duct	—	—	10400	15600	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	12.73	97
15+15	Wall	Wall	—	—	13000	13000	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	12.55	97
	Wall	Duct	—	—	13000	13000	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
	Duct	Duct	—	—	13000	13000	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	12.73	97
15+17	Wall	Wall	—	—	12200	13800	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	12.55	97
	Duct	Wall	—	—	12200	13800	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
15+18	Wall	Duct	—	—	11800	14200	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
	Duct	Duct	—	—	11800	14200	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	12.73	97
17+17	Wall	Wall	—	—	13000	13000	—	—	26000 (12000 - 26000)	2800 (920 - 2800)	12.55	97
17+18	Wall	Duct	—	—	12600	13400	—	—	26000 (12000 - 26000)	2820 (940 - 2820)	12.64	97
18+18	Duct	Duct	—	—	13000	13000	—	—	26000 (12000 - 26000)	2840 (960 - 2840)	12.73	97
09+09+09	Wall	Wall	Wall	—	9000	9000	9000	—	27000 (12600 - 27000)	2860 (1000 - 2860)	12.82	97
	Wall	Wall	Duct	—	9000	9000	8600	—	26600 (12600 - 26600)	2890 (1020 - 2890)	12.95	97
	Wall	Duct	Duct	—	9000	8600	8600	—	26200 (12600 - 26200)	2920 (1040 - 2920)	13.09	97
	Duct	Duct	Duct	—	8600	8600	8600	—	25800 (12600 - 25800)	2950 (1060 - 2950)	13.22	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+09+12	Wall	Wall	Wall	—	9000	9000	12000	—	30000 (12600 - 30000)	3270 (1000 - 3270)	14.66	97
	Wall	Wall	Duct	—	9000	9000	12000	—	30000 (12600 - 30000)	3290 (1020 - 3290)	14.75	97
	Wall	Duct	Wall	—	9000	8600	12000	—	29600 (12600 - 29600)	3300 (1020 - 3300)	14.79	97
	Wall	Duct	Duct	—	9000	8600	12000	—	29600 (12600 - 29600)	3320 (1040 - 3320)	14.88	97
	Duct	Duct	Wall	—	8600	8600	12000	—	29200 (12600 - 29200)	3330 (1040 - 3330)	14.93	97
	Duct	Duct	Duct	—	8600	8600	12000	—	29200 (12600 - 29200)	3350 (1060 - 3350)	15.02	97
09+09+15	Wall	Wall	Wall	—	8800	8800	14500	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	8800	8800	14500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Wall	—	8800	8400	14500	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Wall	Duct	Duct	—	8800	8400	14500	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Wall	—	8400	8400	14500	—	31300 (12600 - 31300)	3560 (1040 - 3560)	15.96	97
	Duct	Duct	Duct	—	8400	8400	14500	—	31300 (12600 - 31300)	3580 (1060 - 3580)	16.05	97
09+09+17	Wall	Wall	Wall	—	8200	8200	15700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Duct	Wall	—	8200	7800	15700	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Duct	Wall	—	7800	7800	15700	—	31300 (12600 - 31300)	3560 (1040 - 3560)	15.96	97
09+09+18	Wall	Wall	Duct	—	8100	8100	15900	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	8100	7700	15900	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Duct	—	7700	7700	15900	—	31300 (12600 - 31300)	3580 (1060 - 3580)	16.05	97
09+09+24	Wall	Wall	Wall	—	6900	6900	18300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Duct	Wall	—	6900	6500	18300	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Duct	Wall	—	6500	6500	18300	—	31300 (12600 - 31300)	3560 (1040 - 3560)	15.96	97
09+12+12	Wall	Wall	Wall	—	8700	11700	11700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	8700	11700	11700	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	8700	11700	11700	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Wall	Wall	—	8300	11700	11700	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Wall	Duct	—	8300	11700	11700	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Duct	—	8300	11700	11700	—	31700 (12600 - 31700)	3570 (1060 - 3570)	16.00	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+12+15	Wall	Wall	Wall	—	8000	10700	13400	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	8000	10700	13400	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Wall	—	8000	10700	13400	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	8000	10700	13400	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Wall	Wall	—	7600	10700	13400	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Wall	Duct	—	7600	10700	13400	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Wall	—	7600	10700	13400	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Duct	—	7600	10700	13400	—	31700 (12600 - 31700)	3570 (1060 - 3570)	16.00	97
09+12+17	Wall	Wall	Wall	—	7600	10100	14400	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Duct	Wall	—	7600	10100	14400	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Duct	Wall	Wall	—	7200	10100	14400	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Duct	Wall	—	7200	10100	14400	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
09+12+18	Wall	Wall	Duct	—	7500	10000	14600	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	7500	10000	14600	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Wall	Duct	—	7100	10000	14600	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Duct	—	7100	10000	14600	—	31700 (12600 - 31700)	3570 (1060 - 3570)	16.00	97
09+15+15	Wall	Wall	Wall	—	7500	12300	12300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	7500	12300	12300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	7500	12300	12300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Wall	Wall	—	7100	12300	12300	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Wall	Duct	—	7100	12300	12300	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Duct	—	7100	12300	12300	—	31700 (12600 - 31700)	3570 (1060 - 3570)	16.00	97
09+15+17	Wall	Wall	Wall	—	7100	11700	13300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Duct	Wall	—	7100	11700	13300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Duct	Wall	Wall	—	6700	11700	13300	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
	Duct	Duct	Wall	—	6700	11700	13300	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+15+18	Wall	Wall	Duct	—	7000	11600	13500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	7000	11600	13500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Wall	Duct	—	6600	11600	13500	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
	Duct	Duct	Duct	—	6600	11600	13500	—	31700 (12600 - 31700)	3570 (1060 - 3570)	16.00	97
09+17+17	Wall	Wall	Wall	—	6700	12700	12700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Duct	Wall	Wall	—	6300	12700	12700	—	31700 (12600 - 31700)	3530 (1020 - 3530)	15.82	97
09+17+18	Wall	Wall	Duct	—	6600	12600	12900	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Duct	Wall	Duct	—	6200	12600	12900	—	31700 (12600 - 31700)	3550 (1040 - 3550)	15.91	97
09+18+18	Wall	Duct	Duct	—	6500	12800	12800	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Duct	Duct	—	6100	12800	12800	—	31700 (12600 - 31700)	3570 (1060 - 3570)	16.00	97
12+12+12	Wall	Wall	Wall	—	10700	10700	10700	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	10700	10700	10700	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	10700	10700	10700	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Duct	Duct	—	10700	10700	10700	—	32100 (12600 - 32100)	3560 (1060 - 3540)	15.96	97
12+12+15	Wall	Wall	Wall	—	9900	9900	12300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	9900	9900	12300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Wall	—	9900	9900	12300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	9900	9900	12300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Duct	Wall	—	9900	9900	12300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Duct	Duct	—	9900	9900	12300	—	32100 (12600 - 32100)	3560 (1060 - 3560)	15.96	97
12+12+17	Wall	Wall	Wall	—	9400	9400	13300	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Duct	Wall	—	9400	9400	13300	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Duct	Duct	Wall	—	9400	9400	13300	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
12+12+18	Wall	Wall	Duct	—	9300	9300	13500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	9300	9300	13500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Duct	Duct	—	9300	9300	13500	—	32100 (12600 - 32100)	3560 (1060 - 3560)	15.96	97

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
12+15+15	Wall	Wall	Wall	—	9100	11500	11500	—	32100 (12600 - 32100)	3500 (1000 - 3500)	15.69	97
	Wall	Wall	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Wall	Duct	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Wall	Wall	—	9100	11500	11500	—	32100 (12600 - 32100)	3520 (1020 - 3520)	15.78	97
	Duct	Wall	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3540 (1040 - 3540)	15.87	97
	Duct	Duct	Duct	—	9100	11500	11500	—	32100 (12600 - 32100)	3560 (1060 - 3560)	15.96	97
09+09+09+09	Wall	Wall	Wall	Wall	9000	9000	9000	9000	36000 (12600 - 36400)	3820 (1000 - 3900)	16.78	99
	Wall	Wall	Wall	Duct	9000	9000	9000	8600	35600 (12600 - 36000)	3850 (1020 - 3930)	16.91	99
	Wall	Wall	Duct	Duct	9000	9000	8600	8600	35200 (12600 - 35600)	3880 (1040 - 3960)	17.04	99
	Wall	Duct	Duct	Duct	9000	8600	8600	8600	34800 (12600 - 35200)	3910 (1060 - 3990)	17.17	99
	Duct	Duct	Duct	Duct	8600	8600	8600	8600	34400 (12600 - 34800)	3940 (1080 - 4020)	17.30	99
09+09+09+12	Wall	Wall	Wall	Wall	8300	8300	8300	11100	36000 (12600 - 36400)	3820 (1000 - 3900)	16.78	99
	Wall	Wall	Wall	Duct	8300	8300	8300	11100	36000 (12600 - 36400)	3840 (1020 - 3920)	16.86	99
	Wall	Wall	Duct	Wall	8300	8300	7900	11100	35600 (12600 - 36000)	3850 (1020 - 3930)	16.91	99
	Wall	Wall	Duct	Duct	8300	8300	7900	11100	35600 (12600 - 36000)	3870 (1040 - 3950)	17.00	99
	Wall	Duct	Duct	Wall	8300	7900	7900	11100	35200 (12600 - 35800)	3880 (1040 - 3960)	17.04	99
	Wall	Duct	Duct	Duct	8300	7900	7900	11100	35200 (12600 - 35800)	3900 (1060 - 3980)	17.13	99
	Duct	Duct	Duct	Wall	7900	7900	7900	11100	34800 (12600 - 35200)	3910 (1060 - 3990)	17.17	99
	Duct	Duct	Duct	Duct	7900	7900	7900	11100	34800 (12600 - 35200)	3930 (1080 - 4010)	17.26	99
09+09+09+15	Wall	Wall	Wall	Wall	7700	7700	7700	12900	36000 (12600 - 36400)	3820 (1000 - 3900)	16.78	99
	Wall	Wall	Wall	Duct	7700	7700	7700	12900	36000 (12600 - 36400)	3840 (1020 - 3920)	16.86	99
	Wall	Wall	Duct	Wall	7700	7700	7300	12900	35600 (12600 - 36000)	3850 (1020 - 3930)	16.91	99
	Wall	Wall	Duct	Duct	7700	7700	7300	12900	35600 (12600 - 36000)	3870 (1040 - 3950)	17.00	99
	Wall	Duct	Duct	Wall	7700	7300	7300	12900	35200 (12600 - 35600)	3880 (1040 - 3960)	17.04	99
	Wall	Duct	Duct	Duct	7700	7300	7300	12900	35200 (12600 - 35600)	3900 (1060 - 3980)	17.13	99
	Duct	Duct	Duct	Wall	7300	7300	7300	12900	34800 (12600 - 35200)	3910 (1060 - 3990)	17.17	99
	Duct	Duct	Duct	Duct	7300	7300	7300	12900	34800 (12600 - 35200)	3930 (1080 - 4010)	17.26	99

Indoor units combination	Indoor type				Cooling capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+09+12+12	Wall	Wall	Wall	Wall	7700	7700	10300	10300	36000 (12600 - 36400)	3820 (1000 - 3900)	16.78	99
	Wall	Wall	Wall	Duct	7700	7700	10300	10300	36000 (12600 - 36400)	3840 (1020 - 3920)	16.86	99
	Wall	Wall	Duct	Duct	7700	7700	10300	10300	36000 (12600 - 36400)	3860 (1040 - 3940)	16.95	99
	Wall	Duct	Wall	Wall	7700	7300	10300	10300	35600 (12600 - 36000)	3850 (1020 - 3930)	16.91	99
	Wall	Duct	Wall	Duct	7700	7300	10300	10300	35600 (12600 - 36000)	3870 (1040 - 3950)	17.00	99
	Wall	Duct	Duct	Duct	7700	7300	10300	10300	35600 (12600 - 36000)	3890 (1060 - 3970)	17.08	99
	Duct	Duct	Wall	Wall	7300	7300	10300	10300	35200 (12600 - 35600)	3880 (1040 - 3960)	17.04	99
	Duct	Duct	Wall	Duct	7300	7300	10300	10300	35200 (12600 - 35600)	3900 (1060 - 3980)	17.13	99
	Duct	Duct	Duct	Duct	7300	7300	10300	10300	35200 (12600 - 35600)	3920 (1080 - 4000)	17.22	99

MXZ-4A36NA 208V Heating

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09	Wall	—	—	—	10900	—	—	—	10900 (8600 - 15400)	1100 (780 - 1520)	5.57	95
	Duct	—	—	—	10900	—	—	—	10900 (8600 - 15400)	1100 (780 - 1520)	5.57	95
12	Wall	—	—	—	13600	—	—	—	13600 (8600 - 16400)	1380 (780 - 1600)	6.98	95
	Duct	—	—	—	13600	—	—	—	13600 (8600 - 16400)	1380 (780 - 1600)	6.98	95
15	Wall	—	—	—	18000	—	—	—	18000 (8600 - 21100)	1940 (780 - 2280)	9.82	95
	Duct	—	—	—	18000	—	—	—	18000 (8600 - 21100)	1940 (780 - 2280)	9.82	95
17	Wall	—	—	—	20100	—	—	—	20100 (8600 - 21500)	2240 (780 - 2300)	11.34	95
18	Duct	—	—	—	21600	—	—	—	21600 (8600 - 24900)	2410 (780 - 2770)	12.20	95
24	Wall	—	—	—	23200	—	—	—	23200 (8600 - 27800)	2520 (780 - 3000)	12.75	95
09+09	Wall	Wall	—	—	10900	10900	—	—	21800 (11000 - 31000)	1700 (740 - 2560)	8.43	97
	Wall	Duct	—	—	10900	10900	—	—	21800 (11000 - 31000)	1700 (740 - 2560)	8.43	97
	Duct	Duct	—	—	10900	10900	—	—	21800 (11000 - 31000)	1700 (740 - 2560)	8.43	97
09+12	Wall	Wall	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	97
	Wall	Duct	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	97
	Duct	Wall	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	97
	Duct	Duct	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	9.81	97
09+15	Wall	Wall	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Wall	Duct	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Duct	Wall	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Duct	Duct	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
09+17	Wall	Wall	—	—	9300	17700	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Duct	Wall	—	—	9300	17700	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
09+18	Wall	Duct	—	—	9000	18000	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Duct	Duct	—	—	9000	18000	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
09+24	Wall	Wall	—	—	7300	19700	—	—	27000 (11000 - 35000)	1980 (740 - 2740)	9.81	97
	Duct	Wall	—	—	7300	19700	—	—	27000 (11000 - 35000)	1980 (740 - 2740)	9.81	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
12+12	Wall	Wall	—	—	13500	13500	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Wall	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
	Duct	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	10.90	97
12+15	Wall	Wall	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	97
	Wall	Duct	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	97
	Duct	Wall	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	97
	Duct	Duct	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	10.71	97
12+17	Wall	Wall	—	—	11200	15800	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	97
	Duct	Wall	—	—	11200	15800	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	97
12+18	Wall	Duct	—	—	10800	16200	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	97
	Duct	Duct	—	—	10800	16200	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	10.61	97
15+15	Wall	Wall	—	—	13500	13500	—	—	27000 (11000 - 35000)	2120 (740 - 2800)	10.51	97
	Wall	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2120 (740 - 2800)	10.51	97
	Duct	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2120 (740 - 2800)	10.51	97
15+17	Wall	Wall	—	—	12700	14300	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	97
	Duct	Wall	—	—	12700	14300	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	97
15+18	Wall	Duct	—	—	12300	14700	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	97
	Dcut	Duct	—	—	12300	14700	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	10.46	97
17+17	Wall	Wall	—	—	13500	13500	—	—	27000 (11000 - 35000)	2100 (740 - 2800)	10.41	97
17+18	Wall	Duct	—	—	13100	13900	—	—	27000 (11000 - 35000)	2100 (740 - 2800)	10.41	97
18+18	Duct	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2100 (740 - 2800)	10.41	97
09+09+09	Wall	Wall	Wall	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	10800	10800	10400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	10800	10400	10400	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	10400	10400	10400	—	31200 (11400 - 34800)	2700 (740 - 2880)	13.38	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+09+12	Wall	Wall	Wall	—	10000	10000	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	10000	10000	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	10000	9600	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	10000	9600	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	9600	9600	12400	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	9600	9600	12400	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
09+09+15	Wall	Wall	Wall	—	8900	8900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	8900	8900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	8900	8500	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	8900	8500	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	8500	8500	14600	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	8500	8500	14600	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
09+09+17	Wall	Wall	Wall	—	8400	8400	15600	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	8400	8000	15600	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	8000	8000	15600	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
09+09+18	Wall	Wall	Duct	—	8100	8100	16200	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	8100	7700	16200	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	7700	7700	16200	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
09+09+24	Wall	Wall	Wall	—	7800	7800	16800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	7800	7400	16800	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	7400	7400	16800	—	31600 (11400 - 35200)	2700 (740 - 2880)	13.38	97
09+12+12	Wall	Wall	Wall	—	9400	11500	11500	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	9400	11500	11500	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	9400	11500	11500	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	9000	11500	11500	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	9000	11500	11500	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	9000	11500	11500	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+12+15	Wall	Wall	Wall	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+12+17	Wall	Wall	Wall	—	7900	9900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	7900	9900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	7500	9900	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	7500	9900	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+12+18	Wall	Wall	Duct	—	7600	9900	14900	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	7600	9900	14900	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	7200	9900	14900	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	7200	9900	14900	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+15+15	Wall	Wall	Wall	—	7600	12400	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	7600	12400	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	7600	12400	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	7200	12400	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	7200	12400	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	7200	12400	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+15+17	Wall	Wall	Wall	—	7200	11900	13300	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	7200	11900	13300	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	6800	11900	13300	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	6800	11900	13300	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+15+18	Wall	Wall	Duct	—	7100	11900	13400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	7100	11900	13400	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	6700	11900	13400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	6700	11900	13400	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+17+17	Wall	Wall	Wall	—	7000	12700	12700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	6600	12700	12700	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+17+18	Wall	Wall	Duct	—	6900	12700	12800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	6500	12700	12800	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
09+18+18	Wall	Duct	Duct	—	6800	12800	12800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	6400	12800	12800	—	32000 (11400 - 35600)	2700 (740 - 2880)	13.38	97
12+12+12	Wall	Wall	Wall	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
12+12+15	Wall	Wall	Wall	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
12+12+17	Wall	Wall	Wall	—	9300	9300	13800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	9300	9300	13800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	9300	9300	13800	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
12+12+18	Wall	Wall	Wall	—	9200	9200	14000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Wall	—	9200	9200	14000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Wall	—	9200	9200	14000	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
12+15+15	Wall	Wall	Wall	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Wall	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Wall	Duct	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Wall	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Wall	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
	Duct	Duct	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	13.38	97
09+09+09+09	Wall	Wall	Wall	Wall	9000	9000	9000	9000	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Wall	Duct	9000	9000	9000	8600	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Duct	Duct	9000	9000	8600	8600	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Duct	Duct	9000	8600	8600	8600	34800 (11400 - 40000)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Duct	Duct	8600	8600	8600	8600	34400 (11400 - 39600)	3100 (740 - 4000)	15.05	99
09+09+09+12	Wall	Wall	Wall	Wall	8300	8300	8300	11100	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Wall	Duct	8300	8300	8300	11100	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Duct	Wall	8300	8300	7900	11100	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Duct	Duct	8300	8300	7900	11100	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Duct	Wall	8300	7900	7900	11100	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Duct	Duct	8300	7900	7900	11100	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Duct	Wall	7900	7900	7900	11100	34800 (11400 - 40000)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Duct	Duct	7900	7900	7900	11100	34800 (11400 - 40000)	3100 (740 - 4000)	15.05	99
09+09+09+15	Wall	Wall	Wall	Wall	7700	7700	7700	12900	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Wall	Duct	7700	7700	7700	12900	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Duct	Wall	7700	7700	7300	12900	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Duct	Duct	7700	7700	7300	12900	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Duct	Wall	7700	7300	7300	12900	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Duct	Duct	7700	7300	7300	12900	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Duct	Wall	7300	7300	7300	12900	34800 (11400 - 40000)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Duct	Duct	7300	7300	7300	12900	34800 (11400 - 40000)	3100 (740 - 4000)	15.05	99

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		208V	
09+09+12+12	Wall	Wall	Wall	Wall	7700	7700	10300	10300	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Wall	Duct	7700	7700	10300	10300	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Wall	Duct	Duct	7700	7700	10300	10300	36000 (11400 - 41200)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Wall	Wall	7700	7300	10300	10300	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Wall	Duct	7700	7300	10300	10300	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Wall	Duct	Duct	Duct	7700	7300	10300	10300	35600 (11400 - 40800)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Wall	Wall	7300	7300	10300	10300	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Wall	Duct	7300	7300	10300	10300	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99
	Duct	Duct	Duct	Duct	7300	7300	10300	10300	35200 (11400 - 40400)	3100 (740 - 4000)	15.05	99

MXZ-4A36NA 230V Haeting

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09	Wall	—	—	—	10900	—	—	—	10900 (8600 - 15400)	1100 (780 - 1520)	5.03	95
	Duct	—	—	—	10900	—	—	—	10900 (8600 - 15400)	1100 (780 - 1520)	5.03	95
12	Wall	—	—	—	13600	—	—	—	13600 (8600 - 16400)	1380 (780 - 1600)	6.32	95
	Duct	—	—	—	13600	—	—	—	13600 (8600 - 16400)	1380 (780 - 1600)	6.32	95
15	Wall	—	—	—	18000	—	—	—	18000 (8600 - 21100)	1940 (780 - 2280)	8.88	95
	Duct	—	—	—	18000	—	—	—	18000 (8600 - 21100)	1940 (780 - 2280)	8.88	95
17	Wall	—	—	—	20100	—	—	—	20100 (8600 - 21500)	2240 (780 - 2300)	10.25	95
18	Duct	—	—	—	21600	—	—	—	21600 (8600 - 24900)	2410 (780 - 2770)	11.03	95
24	Wall	—	—	—	23200	—	—	—	23200 (8600 - 27800)	2520 (780 - 3000)	11.53	95
09+09	Wall	Wall	—	—	10900	10900	—	—	21800 (11000 - 31000)	1700 (740 - 2560)	7.62	97
	Wall	Duct	—	—	10900	10900	—	—	21800 (11000 - 31000)	1700 (740 - 2560)	7.62	97
	Duct	Duct	—	—	10900	10900	—	—	21800 (11000 - 31000)	1700 (740 - 2560)	7.62	97
09+12	Wall	Wall	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	8.87	97
	Wall	Duct	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	8.87	97
	Duct	Wall	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	8.87	97
	Duct	Duct	—	—	10900	13600	—	—	24500 (11000 - 33000)	1980 (740 - 2800)	8.87	97
09+15	Wall	Wall	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Wall	Duct	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Duct	Wall	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Duct	Duct	—	—	10100	16900	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
09+17	Wall	Wall	—	—	9300	17700	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Duct	Wall	—	—	9300	17700	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
09+18	Wall	Duct	—	—	9000	18000	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Duct	Duct	—	—	9000	18000	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
09+24	Wall	Wall	—	—	7300	19700	—	—	27000 (11000 - 35000)	1980 (740 - 2740)	8.87	97
	Duct	Wall	—	—	7300	19700	—	—	27000 (11000 - 35000)	1980 (740 - 2740)	8.87	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
12+12	Wall	Wall	—	—	13500	13500	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Wall	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
	Duct	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2200 (740 - 2920)	9.86	97
12+15	Wall	Wall	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	9.68	97
	Wall	Duct	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	9.68	97
	Duct	Wall	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	9.68	97
	Duct	Duct	—	—	12000	15000	—	—	27000 (11000 - 35000)	2160 (740 - 2860)	9.68	97
12+17	Wall	Wall	—	—	11200	15800	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	9.59	97
	Duct	Wall	—	—	11200	15800	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	9.59	97
12+18	Wall	Duct	—	—	10800	16200	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	9.59	97
	Duct	Duct	—	—	10800	16200	—	—	27000 (11000 - 35000)	2140 (740 - 2860)	9.59	97
15+15	Wall	Wall	—	—	13500	13500	—	—	27000 (11000 - 35000)	2120 (740 - 2800)	9.50	97
	Wall	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2120 (740 - 2800)	9.50	97
	Duct	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2120 (740 - 2800)	9.50	97
15+17	Wall	Wall	—	—	12700	14300	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	9.46	97
	Duct	Wall	—	—	12700	14300	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	9.46	97
15+18	Wall	Duct	—	—	12300	14700	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	9.46	97
	Duct	Duct	—	—	12300	14700	—	—	27000 (11000 - 35000)	2110 (740 - 2800)	9.46	97
17+17	Wall	Wall	—	—	13500	13500	—	—	27000 (11000 - 35000)	2100 (740 - 2800)	9.41	97
17+18	Wall	Duct	—	—	13100	13900	—	—	27000 (11000 - 35000)	2100 (740 - 2800)	9.41	97
18+18	Duct	Duct	—	—	13500	13500	—	—	27000 (11000 - 35000)	2100 (740 - 2800)	9.41	97
09+09+09	Wall	Wall	Wall	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	10800	10800	10400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	10800	10400	10400	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	10400	10400	10400	—	31200 (11400 - 34800)	2700 (740 - 2880)	12.10	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+09+12	Wall	Wall	Wall	—	10000	10000	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	10000	10000	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	10000	9600	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	10000	9600	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	9600	9600	12400	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	9600	9600	12400	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
09+09+15	Wall	Wall	Wall	—	8900	8900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	8900	8900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	8900	8500	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	8900	8500	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	8500	8500	14600	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	8500	8500	14600	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
09+09+17	Wall	Wall	Wall	—	8400	8400	15600	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	8400	8000	15600	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	8000	8000	15600	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
09+09+18	Wall	Wall	Duct	—	8100	8100	16200	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	8100	7700	16200	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	7700	7700	16200	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
09+09+24	Wall	Wall	Wall	—	7800	7800	16800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	7800	7400	16800	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	7400	7400	16800	—	31600 (11400 - 35200)	2700 (740 - 2880)	12.10	97
09+12+12	Wall	Wall	Wall	—	9400	11500	11500	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	9400	11500	11500	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	9400	11500	11500	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	9000	11500	11500	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	9000	11500	11500	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	9000	11500	11500	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+12+15	Wall	Wall	Wall	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	8300	10400	13700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	7900	10400	13700	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+12+17	Wall	Wall	Wall	—	7900	9900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	7900	9900	14600	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	7500	9900	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	7500	9900	14600	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+12+18	Wall	Wall	Duct	—	7600	9900	14900	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	7600	9900	14900	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	7200	9900	14900	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	7200	9900	14900	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+15+15	Wall	Wall	Wall	—	7600	12400	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	7600	12400	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	7600	12400	12400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	7200	12400	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	7200	12400	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	7200	12400	12400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+15+17	Wall	Wall	Wall	—	7200	11900	13300	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	7200	11900	13300	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	6800	11900	13300	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	6800	11900	13300	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+15+18	Wall	Wall	Duct	—	7100	11900	13400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	7100	11900	13400	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	6700	11900	13400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	6700	11900	13400	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+17+17	Wall	Wall	Wall	—	7000	12700	12700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	6600	12700	12700	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+17+18	Wall	Wall	Duct	—	6900	12700	12800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	6500	12700	12800	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
09+18+18	Wall	Duct	Duct	—	6800	12800	12800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	6400	12800	12800	—	32000 (11400 - 35600)	2700 (740 - 2880)	12.10	97
12+12+12	Wall	Wall	Wall	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	10800	10800	10800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
12+12+15	Wall	Wall	Wall	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	9700	9700	13000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
12+12+17	Wall	Wall	Wall	—	9300	9300	13800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Wall	—	9300	9300	13800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Wall	—	9300	9300	13800	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
12+12+18	Wall	Wall	Duct	—	9200	9200	14000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	9200	9200	14000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	9200	9200	14000	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
12+15+15	Wall	Wall	Wall	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Wall	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Wall	Duct	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Wall	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Wall	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
	Duct	Duct	Duct	—	9000	11700	11700	—	32400 (11400 - 36000)	2700 (740 - 2880)	12.10	97
09+09+09+09	Wall	Wall	Wall	Wall	9000	9000	9000	9000	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Wall	Duct	9000	9000	9000	8600	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Duct	Duct	9000	9000	8600	8600	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Duct	Duct	9000	8600	8600	8600	34800 (11400 - 41800)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Duct	Duct	8600	8600	8600	8600	34400 (11400 - 41400)	3100 (740 - 4350)	13.61	99
09+09+09+12	Wall	Wall	Wall	Wall	8300	8300	8300	11100	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Wall	Duct	8300	8300	8300	11100	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Duct	Wall	8300	8300	7900	11100	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Duct	Duct	8300	8300	7900	11100	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Duct	Wall	8300	7900	7900	11100	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Duct	Duct	8300	7900	7900	11100	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Duct	Wall	7900	7900	7900	11100	34800 (11400 - 41800)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Duct	Duct	7900	7900	7900	11100	34800 (11400 - 41800)	3100 (740 - 4350)	13.61	99
09+09+09+15	Wall	Wall	Wall	Wall	7700	7700	7700	12900	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Wall	Duct	7700	7700	7700	12900	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Duct	Wall	7700	7700	7300	12900	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Duct	Duct	7700	7700	7300	12900	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Duct	Wall	7700	7300	7300	12900	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Duct	Duct	7700	7300	7300	12900	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Duct	Wall	7300	7300	7300	12900	34800 (11400 - 41800)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Duct	Duct	7300	7300	7300	12900	34800 (11400 - 41800)	3100 (740 - 4350)	13.61	99

Indoor units combination	Indoor type				Heating capacity (BTU/h)					Power consumption (W)	Current(A)	Power factor (%)
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Total		230V	
09+09+12+12	Wall	Wall	Wall	Wall	7700	7700	10300	10300	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Wall	Duct	7700	7700	10300	10300	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Wall	Duct	Duct	7700	7700	10300	10300	36000 (11400 - 43000)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Wall	Wall	7700	7300	10300	10300	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Wall	Duct	7700	7300	10300	10300	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Wall	Duct	Duct	Duct	7700	7300	10300	10300	35600 (11400 - 42600)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Wall	Wall	7300	7300	10300	10300	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Wall	Duct	7300	7300	10300	10300	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99
	Duct	Duct	Duct	Duct	7300	7300	10300	10300	35200 (11400 - 42200)	3100 (740 - 4350)	13.61	99

4 SPECIFICATION

Item		Outdoor model / Indoor type	MXZ-2A20NA MXZ-2A20NA - [1] MXZ-2A20NA - [2] Wall	Duct
Capacity	Cooling ※1	Btu/h	20,000/ (7,800 ~ 20,000)	20,000/ (7,800 ~ 20,000)
	Heating 47 ※1	Btu/h	22,000/ (8,500 ~ 22,000)	22,000/ (8,500 ~ 22,000)
	Heating 17 ※2	Btu/h	14,500	12,500
Power consumption	Cooling ※1	W	2,150/ (630 ~ 2,150)	2,190/ (670 ~ 2,190)
	Heating 47 ※1	W	1,780/ (520 ~ 1,780)	1,780/ (520 ~ 1,780)
	Heating 17 ※2	W	1,500	1,430
EER	Cooling		9.30	9.10
SEER	Cooling		16.0	15.5
HSPF IV (V)	Heating		8.5 (7.0)	8.5 (6.9)
COP	Heating		3.62	3.62
External finish			Munsell 5Y 8/1	
Power supply		V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)		A	20	
Min. circuit ampacity		A	15	
Fan motor		F.L.A	0.96	
Compressor	Model		**MXZ-2A20NA** SNB130FPDH1	
			MXZ-2A20NA - [1], [2] SNB130FQBH1	
	Winding resistance (at 68°F) Ω		**MXZ-2A20NA** U-V 0.45 V-W 0.45 W-U 0.45	
			MXZ-2A20NA - [1], [2] U-V 0.98 V-W 0.98 W-U 0.98	
		R.L.A	10.1	
		L.R.A	15	
Refrigerant control			LEV	
Sound level		dB(A)	49/51	
Defrost method			Reverse cycle	
Dimensions	W	in.	33-1/16	
	D	in.	13	
	H	in.	27-15/16	
Weight		lb.	130	
Remote controller			Wireless type	
Control voltage (by built-in transformer)			12-24 V DC	
Refrigerant piping			Not supplied (optional parts)	
Valve size	Liquid	in.	1/4	
	Gas	in.	A,B: 3/8	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Refrigerant charge (R410A)		lb.	5 lb. 15 oz.	
Refrigeration oil (Model)		oz.	**MXZ-2A20NA** 20.3 (NEO22)	
			MXZ-2A20NA - [1], [2] 23.7 (NEO22)	

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

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	※1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	※1: Standard rating-heating at rated compressor speed	70	60	47	43
	※2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-3A30NA MXZ-3A30NA - 1	
			Indoor type	Wall	Duct
Capacity	Cooling ❄1		Btu/h	28,400/ (12,600 ~ 28,400)	27,400/ (12,600 ~ 27,400)
	Heating 47 ❄1		Btu/h	28,600/ (11,400 ~ 36,000)	27,600/ (11,400 ~ 35,000)
	Heating 17 ❄2		Btu/h	18,800	18,000
Power consumption	Cooling ❄1		W	3,250/ (1,000 ~ 3,250)	3,330/ (1,060 ~ 3,330)
	Heating 47 ❄1		W	2,180/ (740 ~ 2,880)	2,220/ (740 ~ 2,920)
	Heating 17 ❄2		W	2,120	2,140
EER	Cooling			8.70	8.20
SEER	Cooling			16.0	14.5
HSPF IV (V)	Heating			10.0 (7.5)	9.5 (7.0)
COP	Heating			3.84	3.64
External finish				Munsell 3.0Y 7.8/1.1	
Power supply			V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)			A	20	
Min. circuit ampacity			A	15	
Fan motor			F.L.A	0.93	
Compressor	Model			TNB220FMCH	
	Winding resistance (at 68°F) Ω			U-V 0.61 V-W 0.61 W-U 0.61	
			R.L.A	11	
			L.R.A	15	
Refrigerant control				LEV	
Sound level			dB(A)	49/49	
Defrost method				Reverse cycle	
Dimensions	W		in.	35-7/16	
	D		in.	12-19/32	
	H		in.	35-7/16	
Weight			lb.	**MXZ-3A30NA**	158
				MXZ-3A30NA - 1	148
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 V DC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2 B,C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	7 lb. 11 oz.	
Refrigeration oil (Model)			oz.	29.4 (NEO22)	

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

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	❄1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	❄1: Standard rating-heating at rated compressor speed	70	60	47	43
	❄2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

Item			Outdoor model	MXZ-4A36NA			
			Indoor type	Wall		Duct	
Capacity	Cooling ※1		Btu/h	36,000/ (12,600 ~ 36,400)		34,400/ (12,600 ~ 34,800)	
	Heating 47 ※1		Btu/h	208 V	36,000/ (11,400 ~ 41,200)	208 V	34,400/ (11,400 ~ 39,600)
				230 V	36,000/ (11,400 ~ 43,000)	230 V	34,400/ (11,400 ~ 41,600)
	Heating 17 ※2		Btu/h	24,600		25,400	
Power consumption	Cooling ※1		W	3,820/ (1,000 ~ 3,900)		3,940/ (1,080 ~ 4,020)	
	Heating 47 ※1		W	208 V	3,100/ (740 ~ 4,000)	208 V	3,100/ (740 ~ 4,000)
				230 V	3,100/ (740 ~ 4,350)	230 V	3,100/ (740 ~ 4,350)
	Heating 17 ※2		W	3,340		3,450	
EER	Cooling			9.40		8.70	
SEER	Cooling			16.0		15.0	
HSPF IV (V)	Heating			8.5 (7.0)		9.0 (7.0)	
COP	Heating			3.40		3.25	
External finish				Munsell 3.0Y 7.8/1.1			
Power supply			V, phase, Hz	208/230, 1, 60			
Max. fuse size (time delay)			A	20			
Min. circuit ampacity			A	19			
Fan motor			F.L.A	0.93			
Compressor	Model			TNB220FMCH			
	Winding resistance (at 68°F) Ω			U-V 0.61 V-W 0.61 W-U 0.61			
			R.L.A	14.4			
			L.R.A	15			
Refrigerant control				LEV			
Sound level			dB(A)	54/57			
Defrost method				Reverse cycle			
Dimensions	W		in.	35-7/16			
	D		in.	12-19/32			
	H		in.	35-7/16			
Weight			lb.	150			
Remote controller				Wireless type			
Control voltage (by built-in transformer)				12-24 V DC			
Refrigerant piping				Not supplied (optional parts)			
Valve size	Liquid		in.	1/4			
	Gas		in.	A: 1/2 B,C,D: 3/8			
Connection method	Indoor			Flared			
	Outdoor			Flared			
Refrigerant charge (R410A)			lb.	8 lb. 13 oz.			
Refrigeration oil (Model)			oz.	29.4 (NEO22)			

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

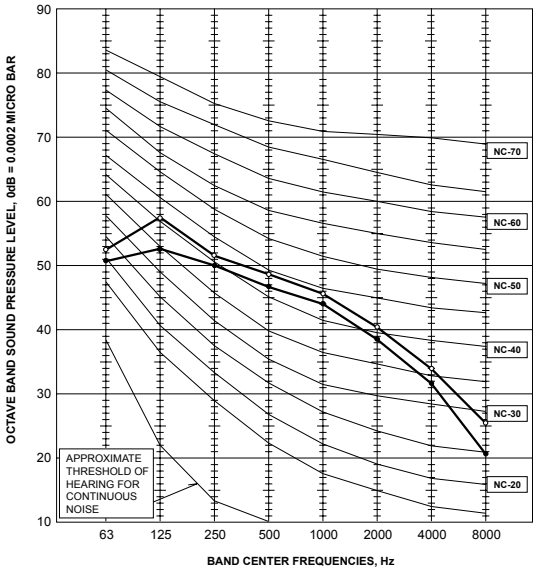
Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	※1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	※1: Standard rating-heating at rated compressor speed	70	60	47	43
	※2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

5 NOISE CRITERIA CURVE

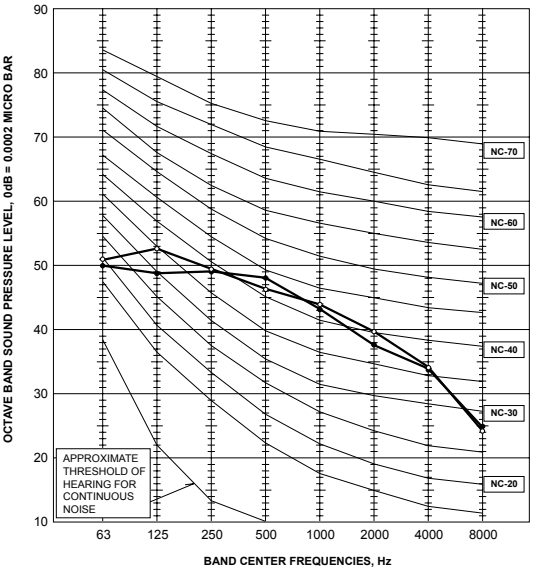
MXZ-2A20NA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	51	○—○



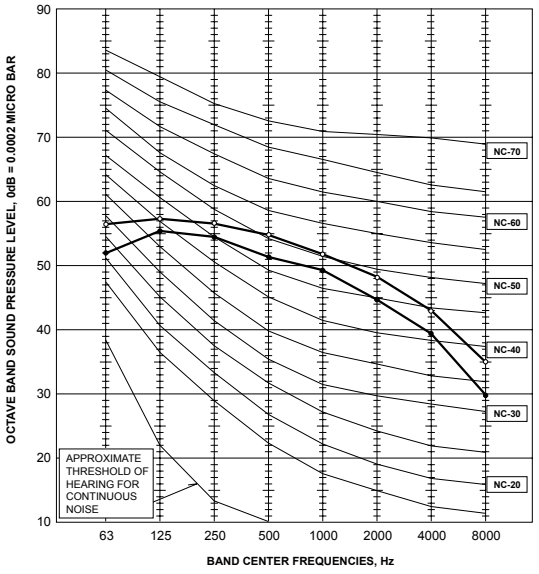
MXZ-3A30NA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	49	○—○



MXZ-4A36NA

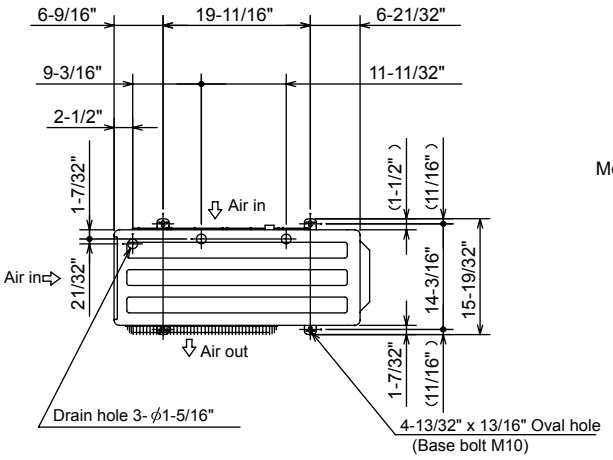
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	54	●—●
High	Heating	57	○—○



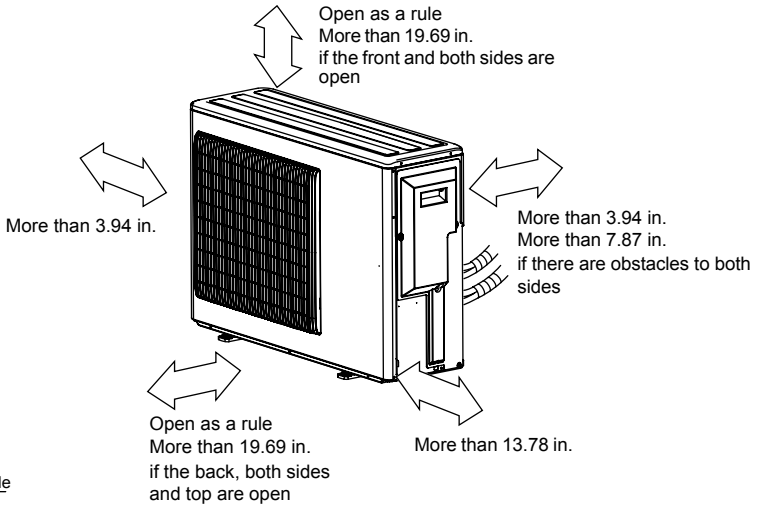
6 OUTLINES AND DIMENSIONS

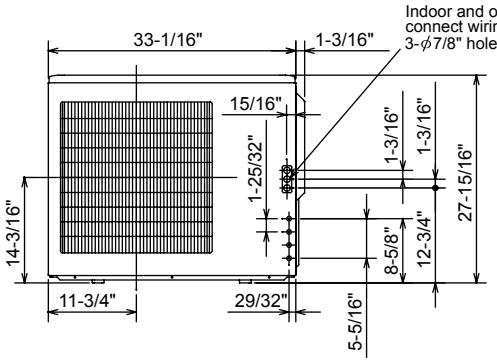
MXZ-2A20NA MXZ-2A20NA - 1

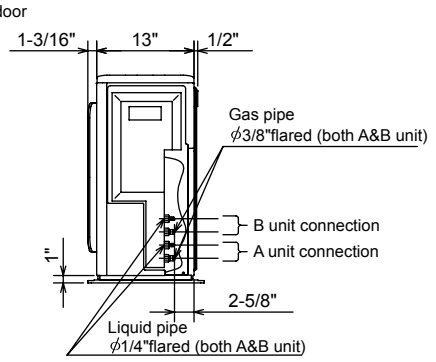
Unit: inch

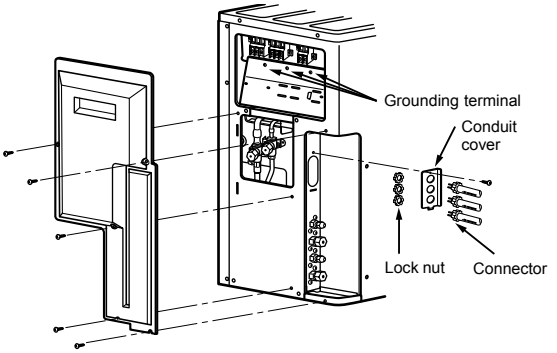


REQUIRED SPACE



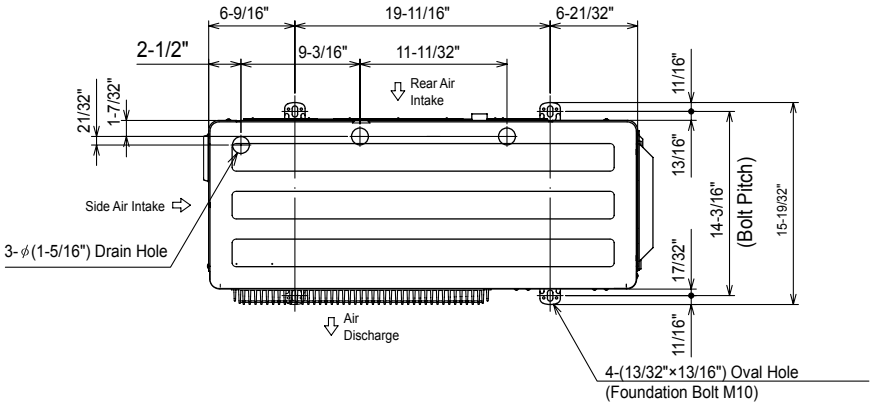


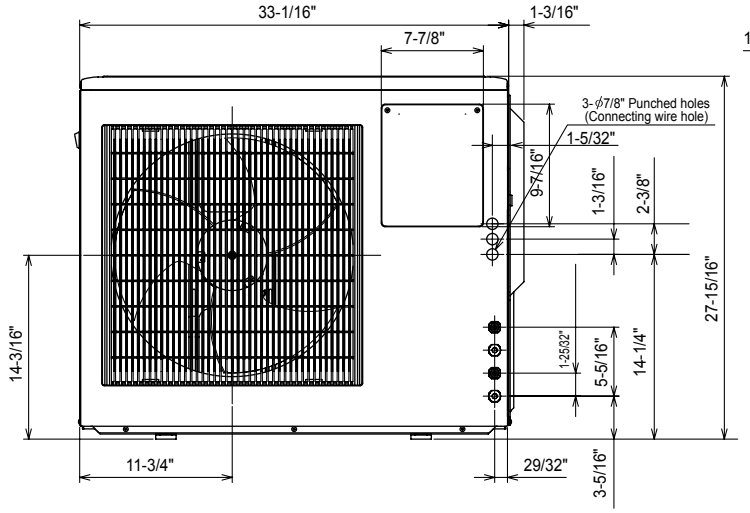


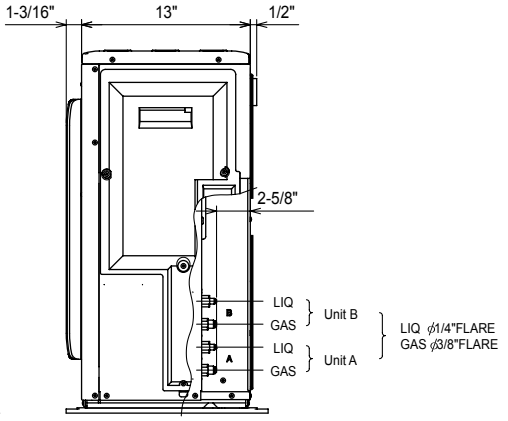


MXZ-2A20NA - 2

Unit: inch

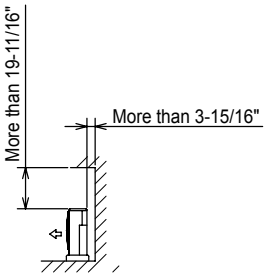




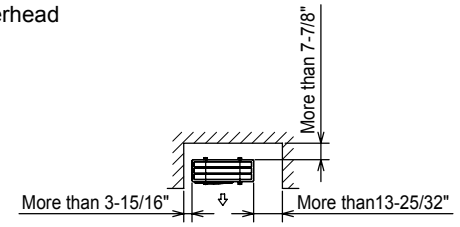


1.Installation space

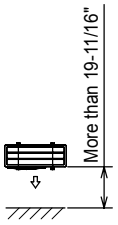
Note : Leave front and both sides clearance fully.

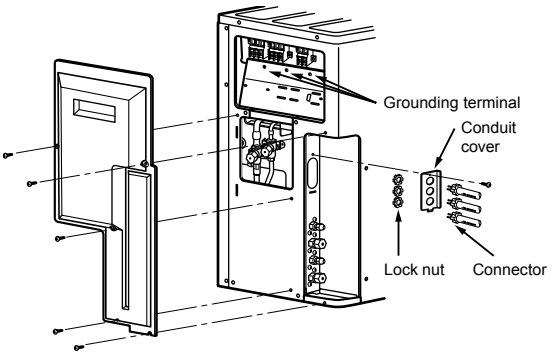


Note : Leave front and overhead clearance fully.

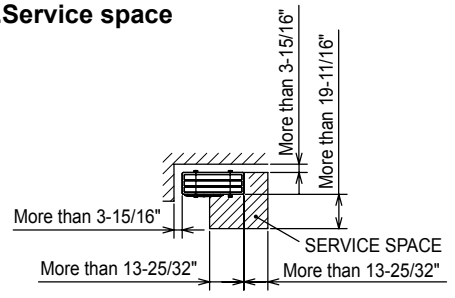


Note : Leave rear, overhead and both sides clearance fully.



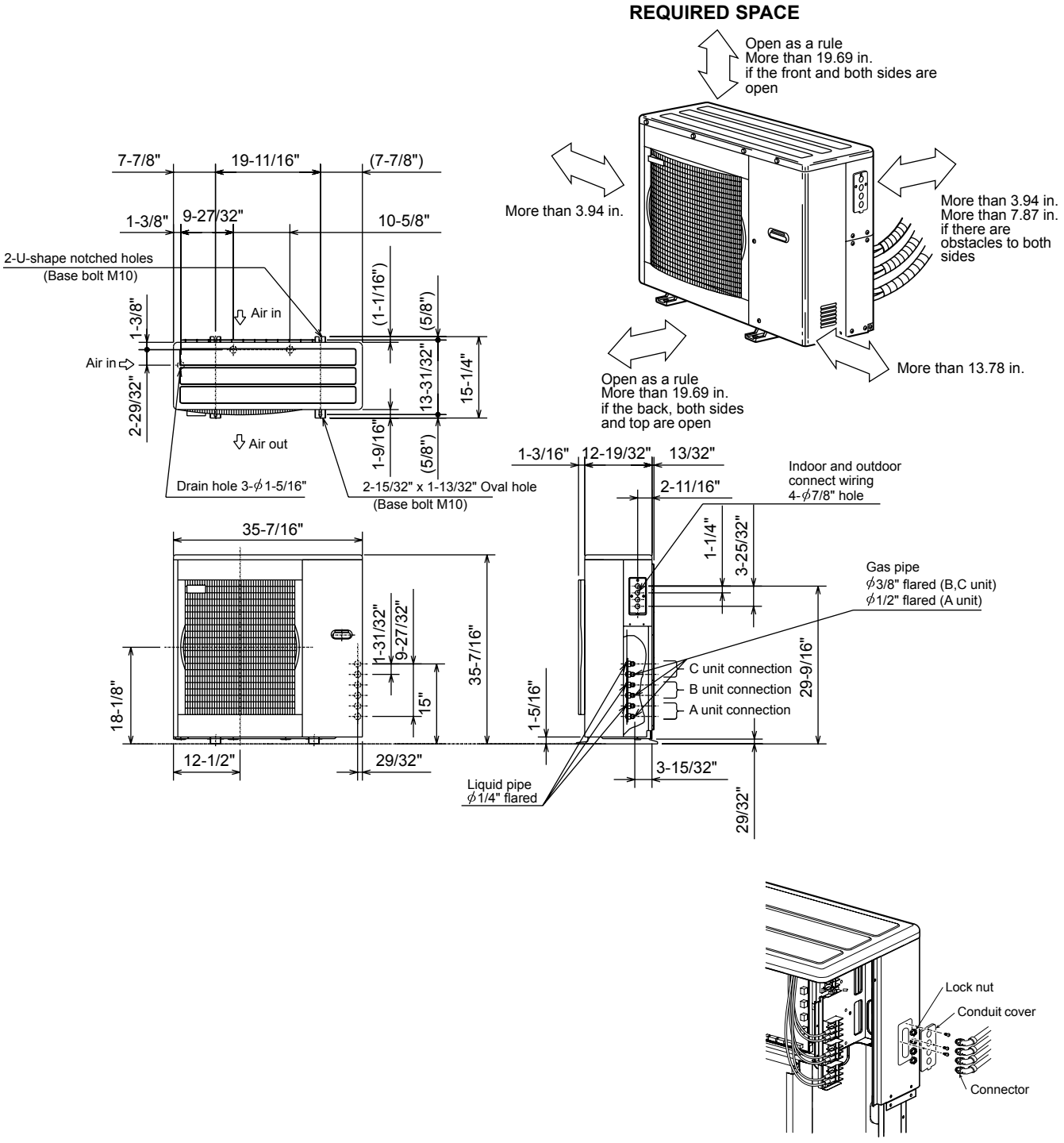


2.Service space

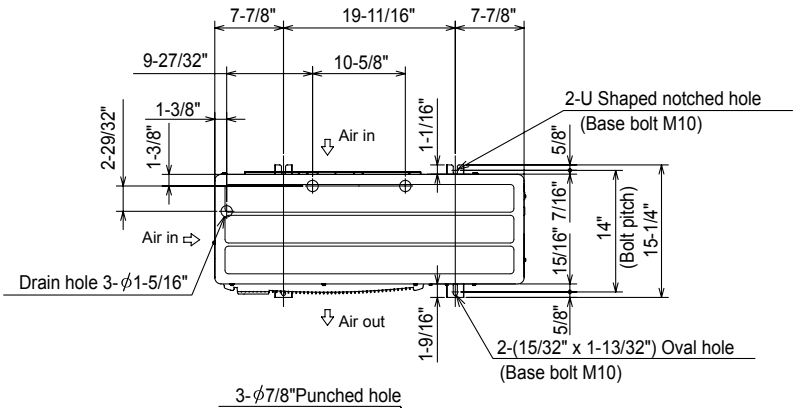


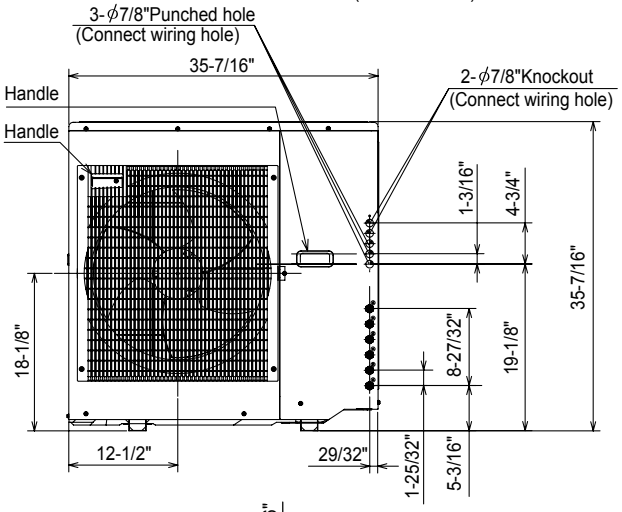
MXZ-3A30NA

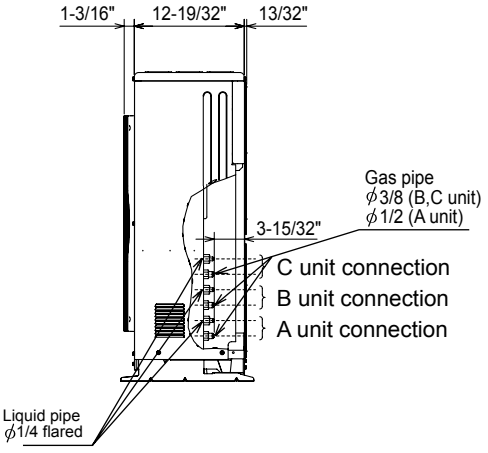
Unit: inch



MXZ-3A30NA - 1 **Unit: inch**

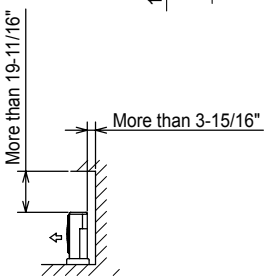




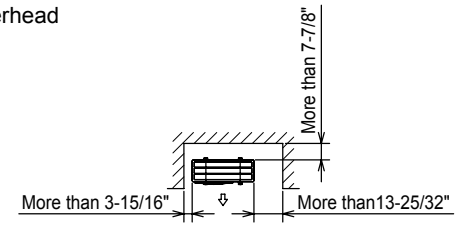


1.Installation space

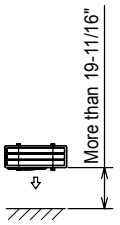
Note : Leave front and both sides clearance fully.

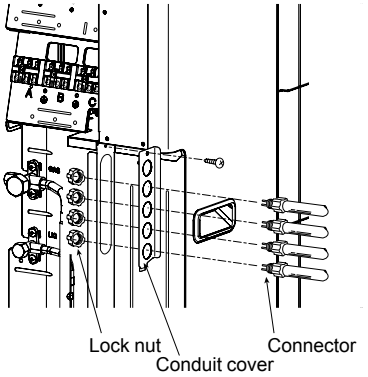


Note : Leave front and overhead clearance fully.

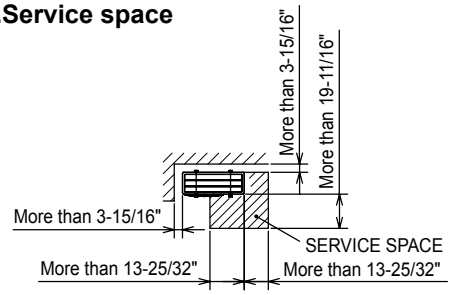


Note : Leave rear, overhead and both sides clearance fully.



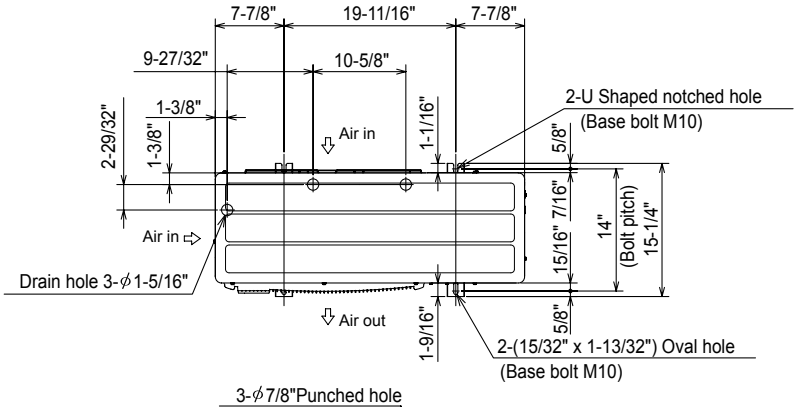


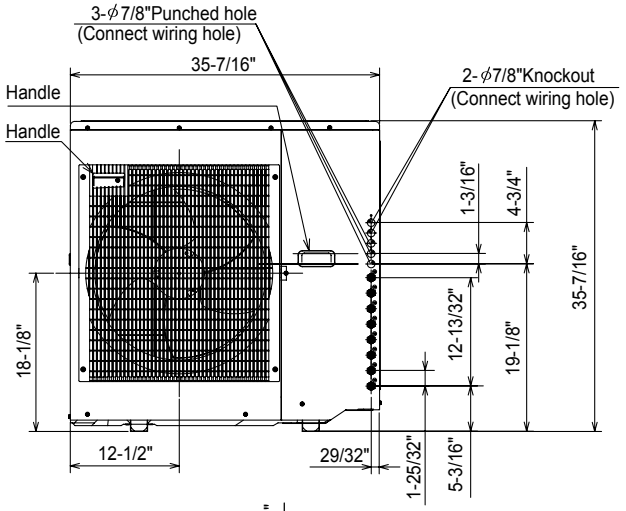
2.Service space

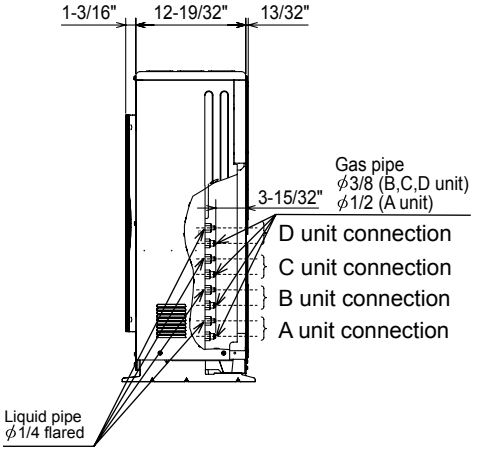


MXZ-4A36NA

Unit: inch

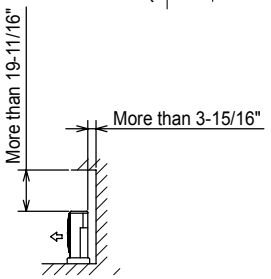




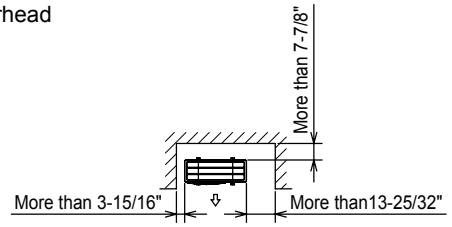


1.Installation space

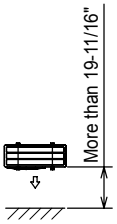
Note : Leave front and both sides clearance fully.

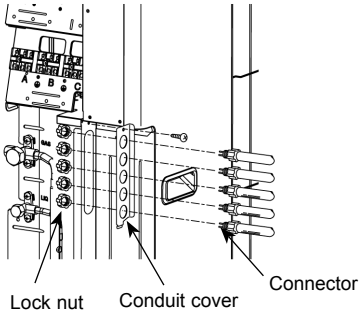


Note : Leave front and overhead clearance fully.

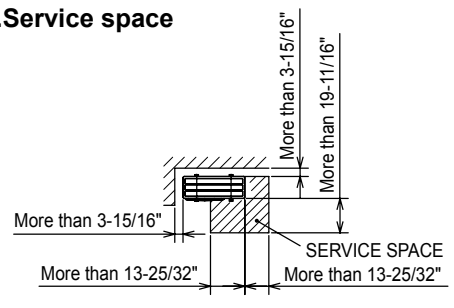


Note : Leave rear, overhead and both sides clearance fully.



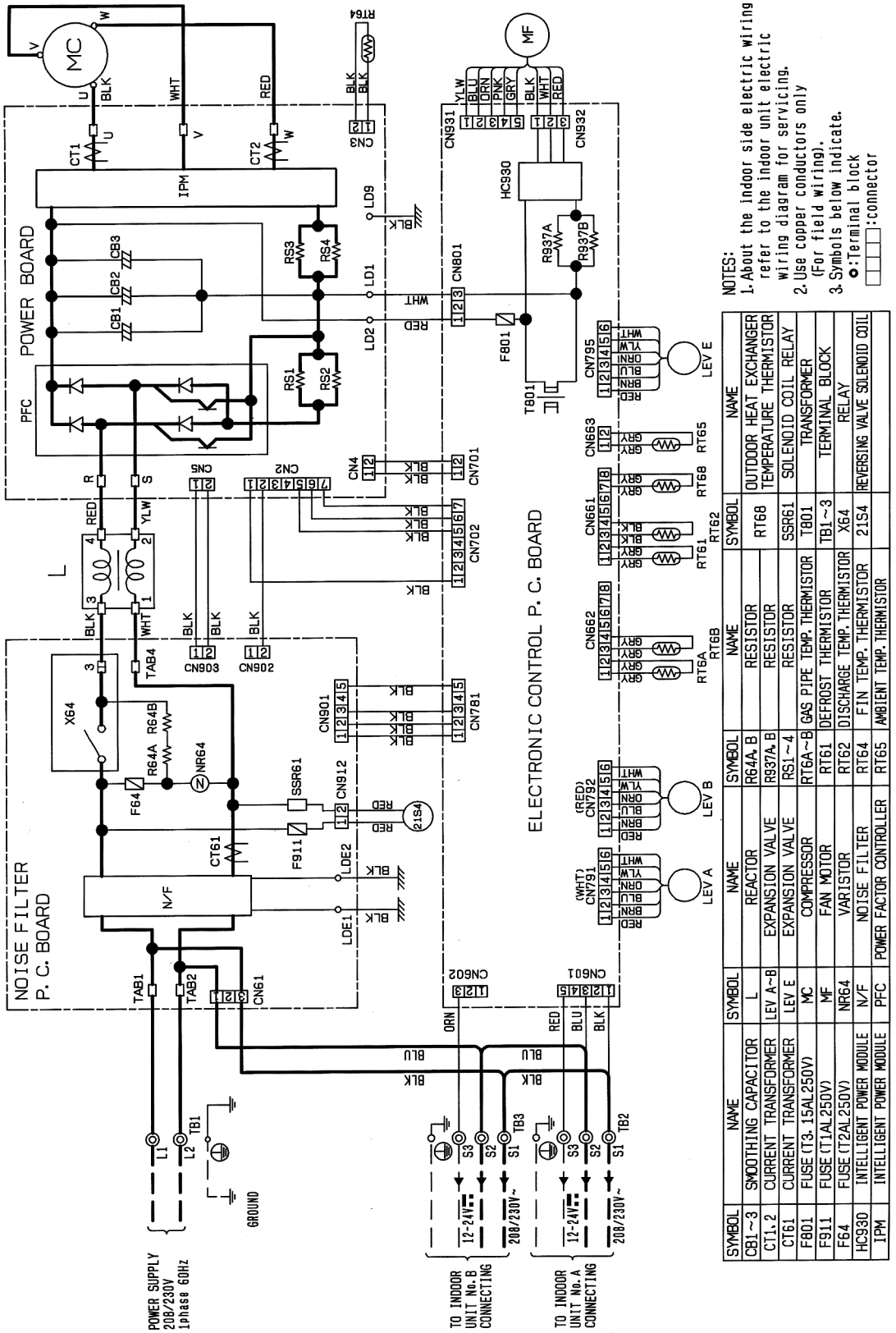


2.Service space



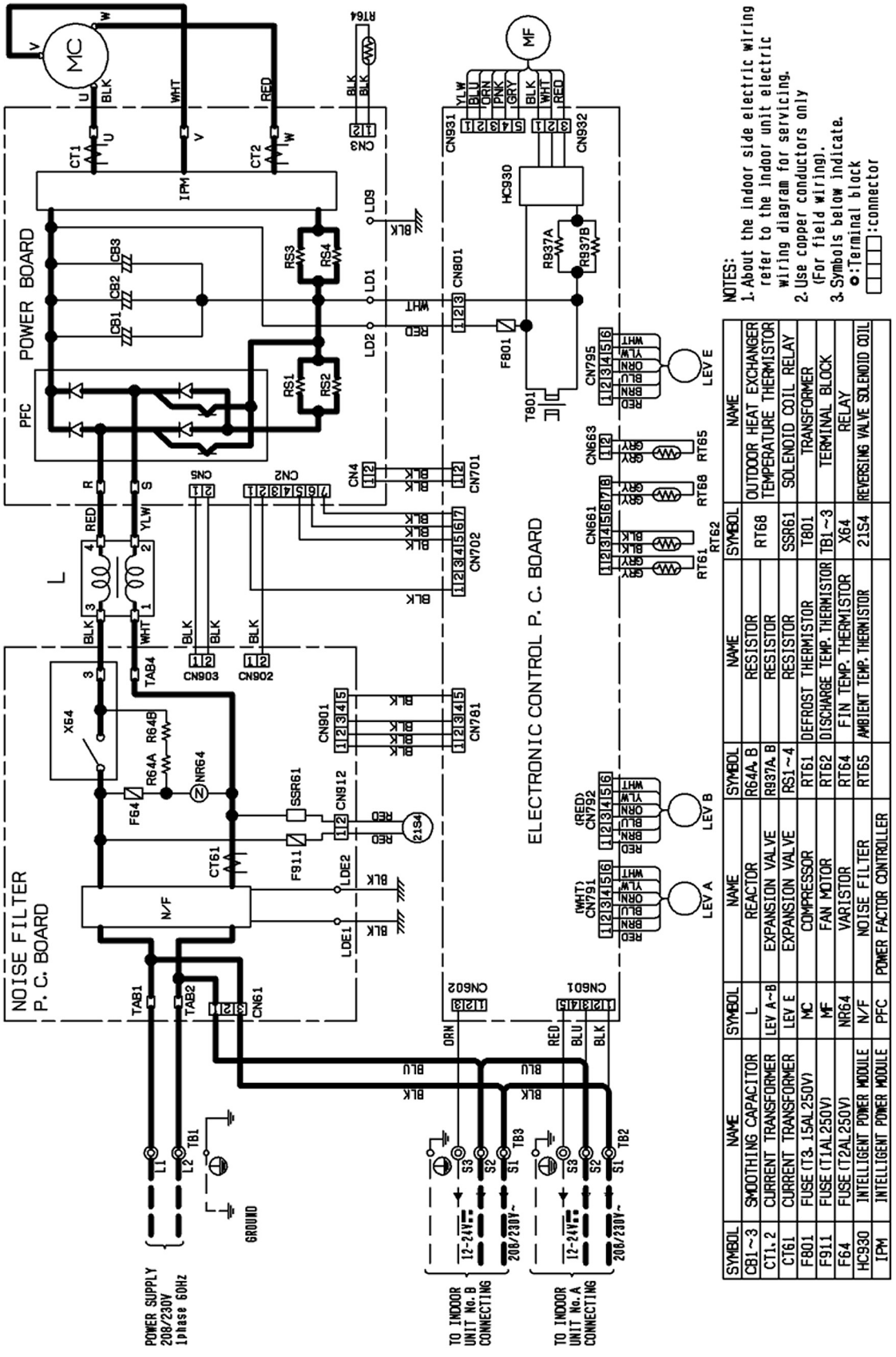
7 WIRING DIAGRAM

MXZ-2A20NA



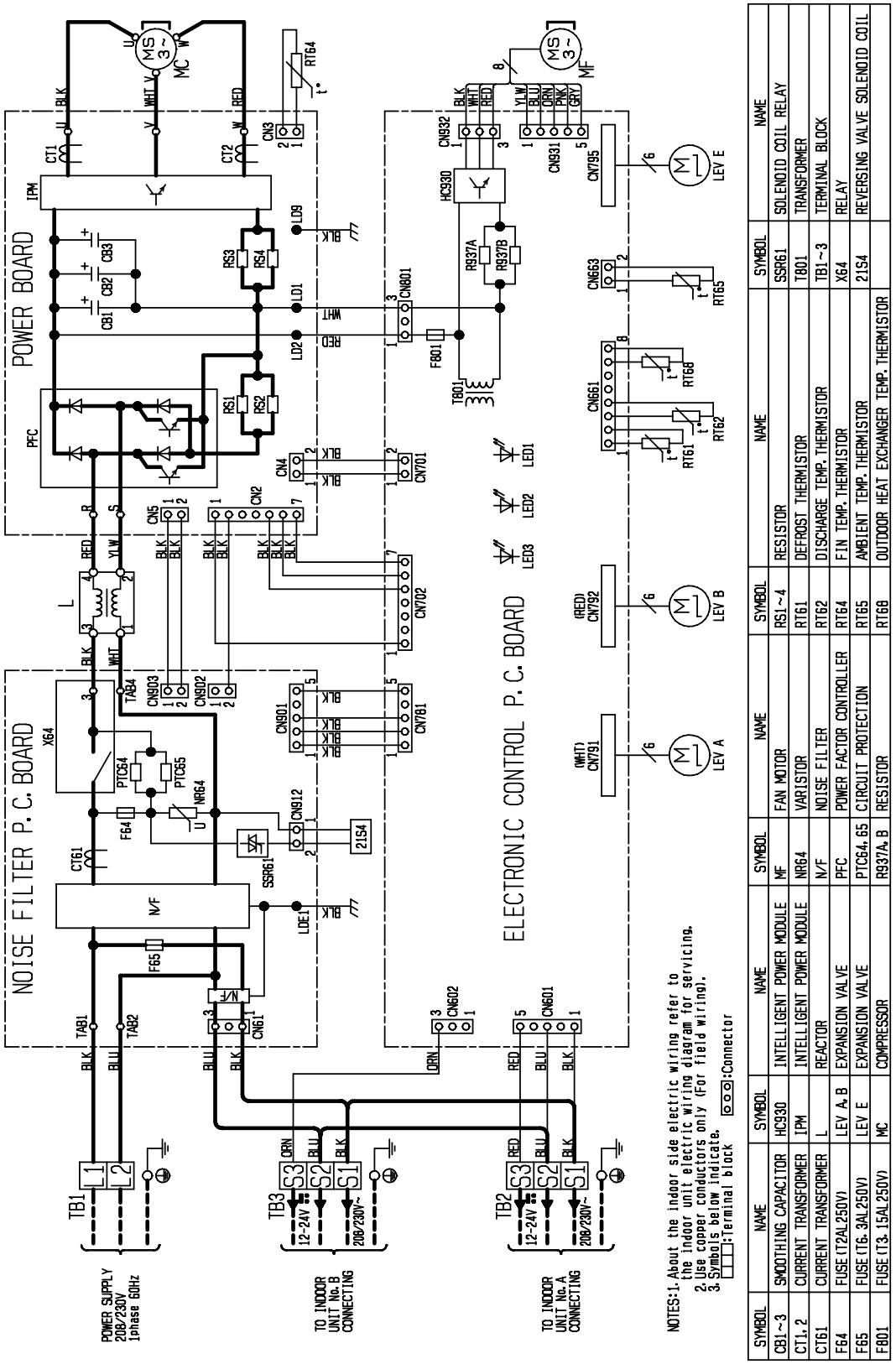
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	R64A, B	RESISTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
CT1, 2	CURRENT TRANSFORMER	LEV A~B	EXPANSION VALVE	R937A, B	RESISTOR		
CT61	CURRENT TRANSFORMER	LEV E	EXPANSION VALVE	RS1~4	RESISTOR	SSR61	SOLENOID COIL RELAY
F801	FUSE (T3.15AL250V)	MC	COMPRESSOR	RT6A~B	GAS PIPE TEMP. THERMISTOR	T801	TRANSFORMER
F911	FUSE (T1AL250V)	MF	FAN MOTOR	RT61	DEFROST THERMISTOR	TB1~3	TERMINAL BLOCK
F64	FUSE (T2AL250V)	NR64	VARISTOR	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
HC930	INTELLIGENT POWER MODULE	N/F	NOISE FILTER	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
IPM	INTELLIGENT POWER MODULE	PFC	POWER FACTOR CONTROLLER	RT65	AMBIENT TEMP. THERMISTOR		

MXZ-2A20NA - 1



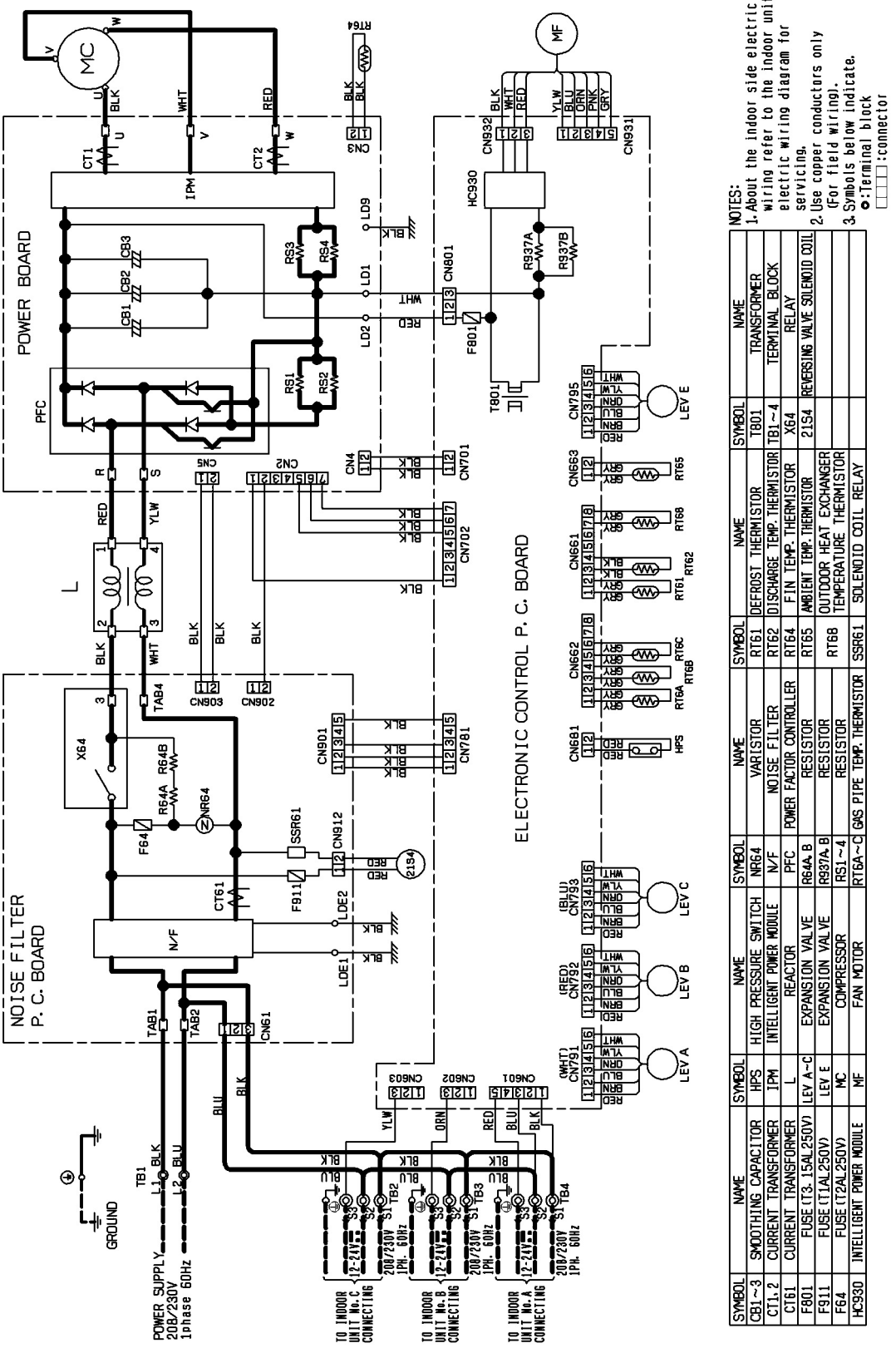
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	R64A, B	RESISTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
CT1,2	CURRENT TRANSFORMER	LEV A~B	EXPANSION VALVE	R937A, B	RESISTOR		
CT61	CURRENT TRANSFORMER	LEV E	EXPANSION VALVE	RS1~4	RESISTOR	SSR61	SOLENOID COIL RELAY
F801	FUSE(T3.15AL250V)	MC	COMPRESSOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
F911	FUSE(T1AL250V)	MF	FAN MOTOR	RT62	DISCHARGE TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK
F64	FUSE(T2AL250V)	NR64	VARISTOR	RT64	FIN TEMP. THERMISTOR	X64	RELAY
HC930	INTELLIGENT POWER MODULE	N/F	NOISE FILTER	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
IPM	INTELLIGENT POWER MODULE	PFC	POWER FACTOR CONTROLLER				

MXZ-2A20NA - 2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HC930	INTELLIGENT POWER MODULE	MF	FAN MOTOR	RS1~4	RESISTOR	SSR61	SOLENOID COIL RELAY
CT1.2	CURRENT TRANSFORMER	IPM	INTELLIGENT POWER MODULE	NR64	VARISTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER
CT61	CURRENT TRANSFORMER	L	REACTOR	N/F	NOISE FILTER	RT62	DISCHARGE TEMP. THERMISTOR	TB1~3	TERMINAL BLOCK
F64	FUSE(T2AL250V)	LEV A, B	EXPANSION VALVE	PFC	POWER FACTOR CONTROLLER	RT64	FIN TEMP. THERMISTOR	X64	RELAY
F65	FUSE(T6.3AL250V)	LEV E	EXPANSION VALVE	PTC64, 65	CIRCUIT PROTECTION	RT65	AMBIENT TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL
F801	FUSE(T3.15AL250V)	MC	COMPRESSOR	R937A, B	RESISTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR		

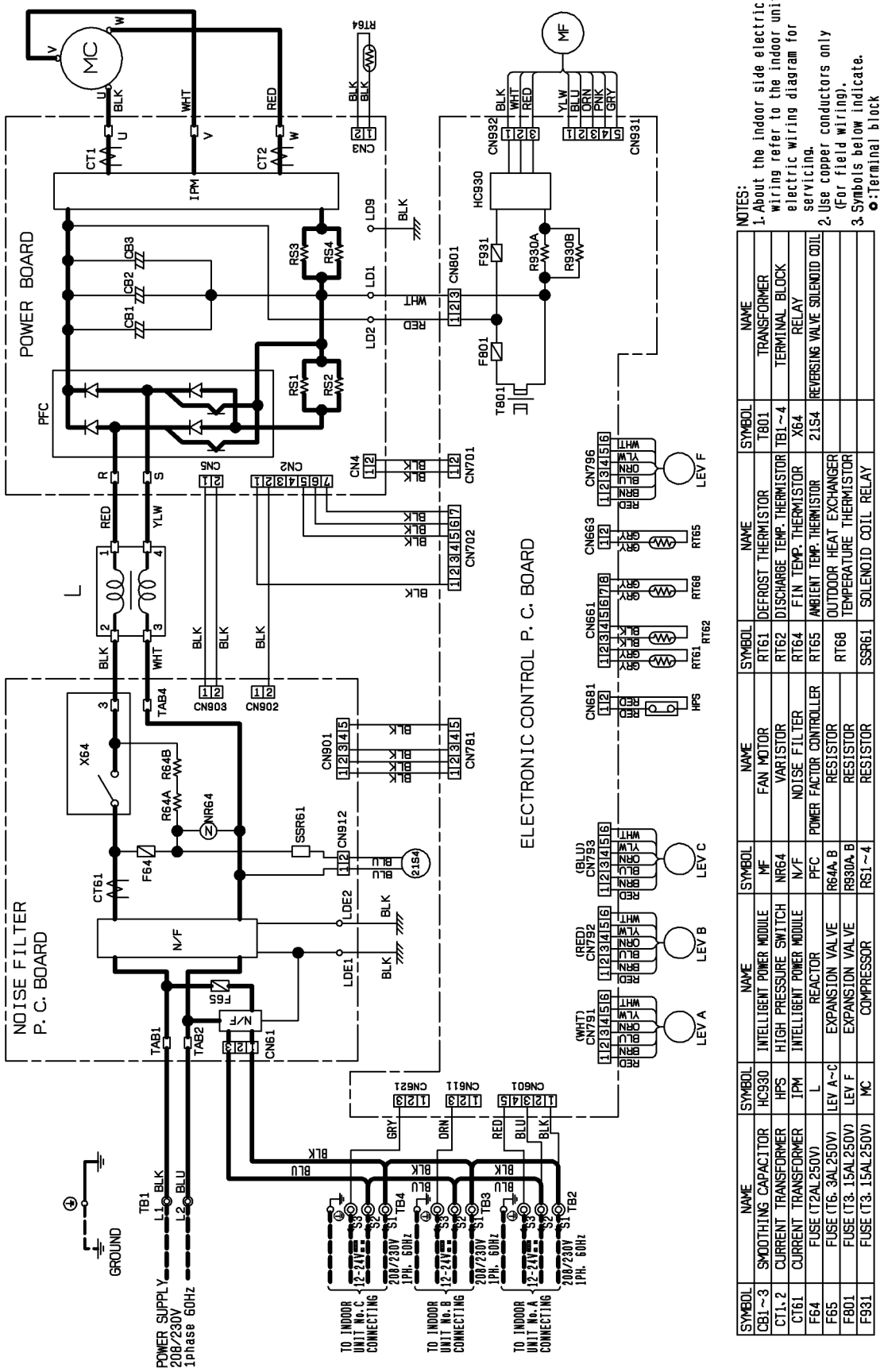
MXZ-3A30NA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HPS	HIGH PRESSURE SWITCH	NR64	VARISTOR	RT61	DEFROST THERMISTOR
CT1,2	CURRENT TRANSFORMER	IPM	INTELLIGENT POWER MODULE	N/F	NOISE FILTER	RT62	DISCHARGE TEMP. THERMISTOR
CT61	CURRENT TRANSFORMER	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT64	FIN TEMP. THERMISTOR
F801	FUSE (T3.15AL250V)	LEV A~C	EXPANSION VALVE	R64A, B	RESISTOR	RT65	AMBIENT TEMP. THERMISTOR
F911	FUSE (T1AL250V)	LEV E	EXPANSION VALVE	R937A, B	RESISTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
F64	FUSE (T2AL250V)	MC	COMPRESSOR	RS1~4	RESISTOR		
HC930	INTELLIGENT POWER MODULE	MF	FAN MOTOR	RT6A~C	GAS PIPE TEMP. THERMISTOR	SSR61	SOLENOID COIL RELAY

SYMBOL	NAME
T801	TRANSFORMER
TB1~4	TERMINAL BLOCK
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

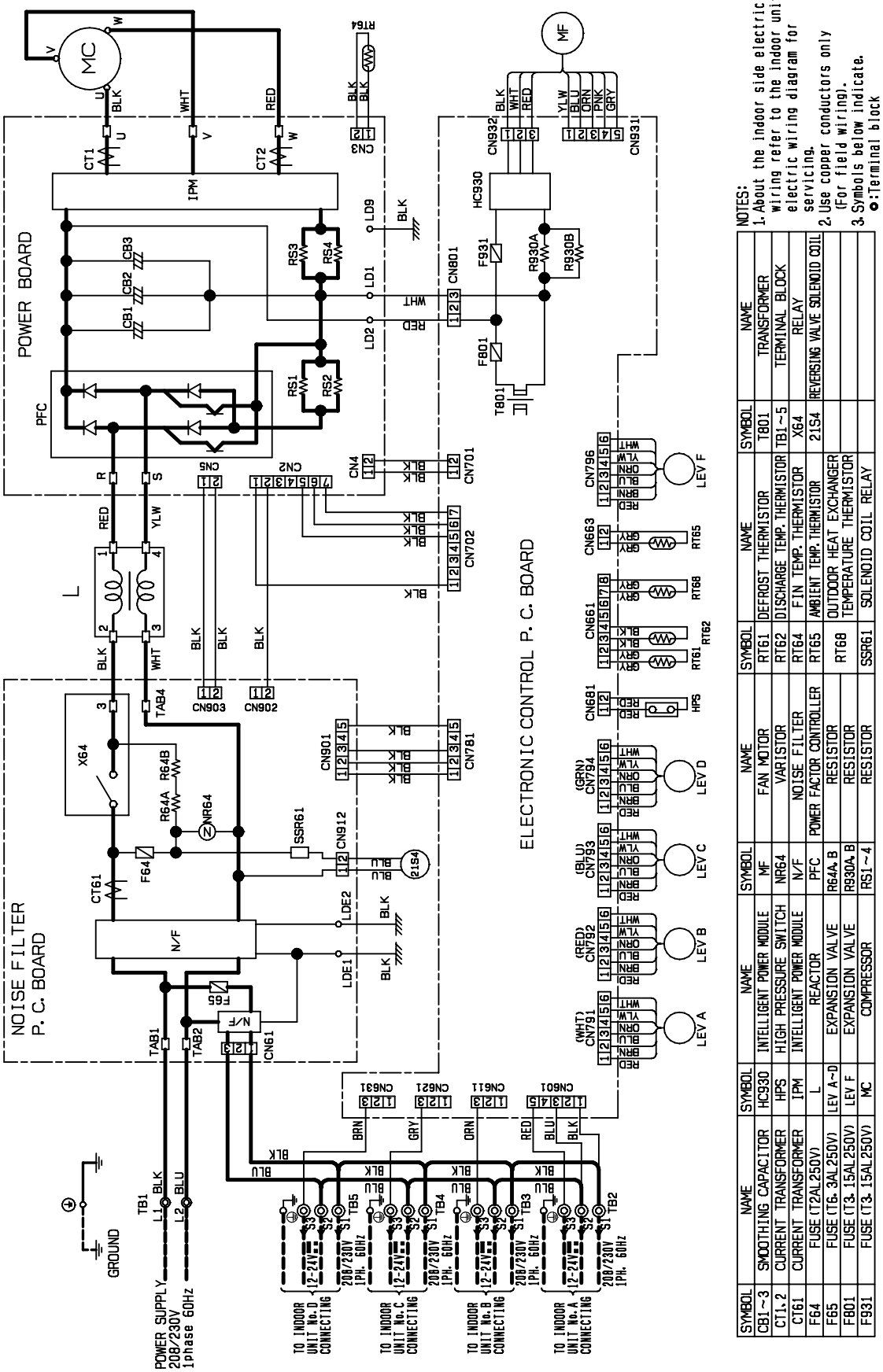
MXZ-3A30NA - 1



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	HC930	INTELLIGENT POWER MODULE	MF	FAN MOTOR	RT61	DEFROST THERMISTOR
CT1.2	CURRENT TRANSFORMER	HPS	HIGH PRESSURE SWITCH	NR64	VARISTOR	RT62	DISCHARGE TEMP.THERMISTOR
CT61	CURRENT TRANSFORMER	IPM	INTELLIGENT POWER MODULE	N/F	NOISE FILTER	RT64	FIN TEMP.THERMISTOR
F64	FUSE(T2AL250V)	L	REACTOR	PFC	POWER FACTOR CONTROLLER	RT65	AMBIENT TEMP.THERMISTOR
F65	FUSE(T6.3AL250V)	LEV A~C	EXPANSION VALVE	R64A.B	RESISTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
F801	FUSE(T3.15AL250V)	LEV F	EXPANSION VALVE	R930A.B	RESISTOR		
F931	FUSE(T3.15AL250V)	MC	COMPRESSOR	RS1~4	RESISTOR	SSR61	SOLENOID COIL RELAY

SYMBOL	NAME
T801	TRANSFORMER
TB1~4	TERMINAL BLOCK
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

MXZ-4A36NA



SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR
CT1.2	CURRENT TRANSFORMER
CT61	CURRENT TRANSFORMER
F64	FUSE(T2AL250V)
F65	FUSE(T6.3AL250V)
F801	FUSE(T3.15AL250V)
F931	FUSE(T3.15AL250V)

SYMBOL	NAME
HC930	INTELLIGENT POWER MODULE
HPS	HIGH PRESSURE SWITCH
IPM	INTELLIGENT POWER MODULE
L	REACTOR
LEV A~D	EXPANSION VALVE
LEV F	EXPANSION VALVE
MC	COMPRESSOR

SYMBOL	NAME
MF	FAN MOTOR
NR64	VARISTOR
N/F	NOISE FILTER
PFC	POWER FACTOR CONTROLLER
R64A,B	RESISTOR
R930A,B	RESISTOR
RS1~4	RESISTOR

SYMBOL	NAME
RT61	DEFROST THERMISTOR
RT62	DISCHARGE TEMP. THERMISTOR
RT64	FIN TEMP. THERMISTOR
RT65	AMBIENT TEMP. THERMISTOR
RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
SSR61	SOLENOID COIL RELAY

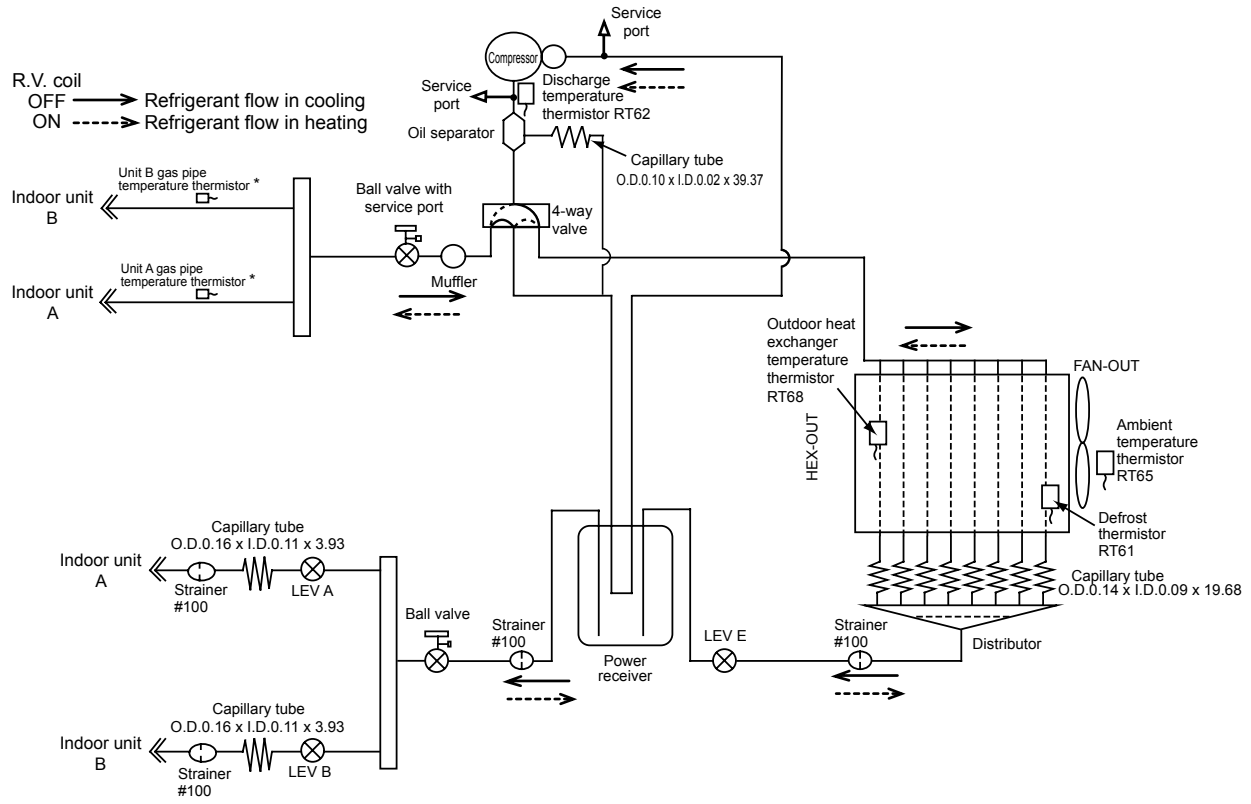
SYMBOL	NAME
T801	TRANSFORMER
TB1~5	TERMINAL BLOCK
X64	RELAY
21S4	REVERSING VALVE SOLENOID COIL

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

8 REFRIGERANT SYSTEM DIAGRAM

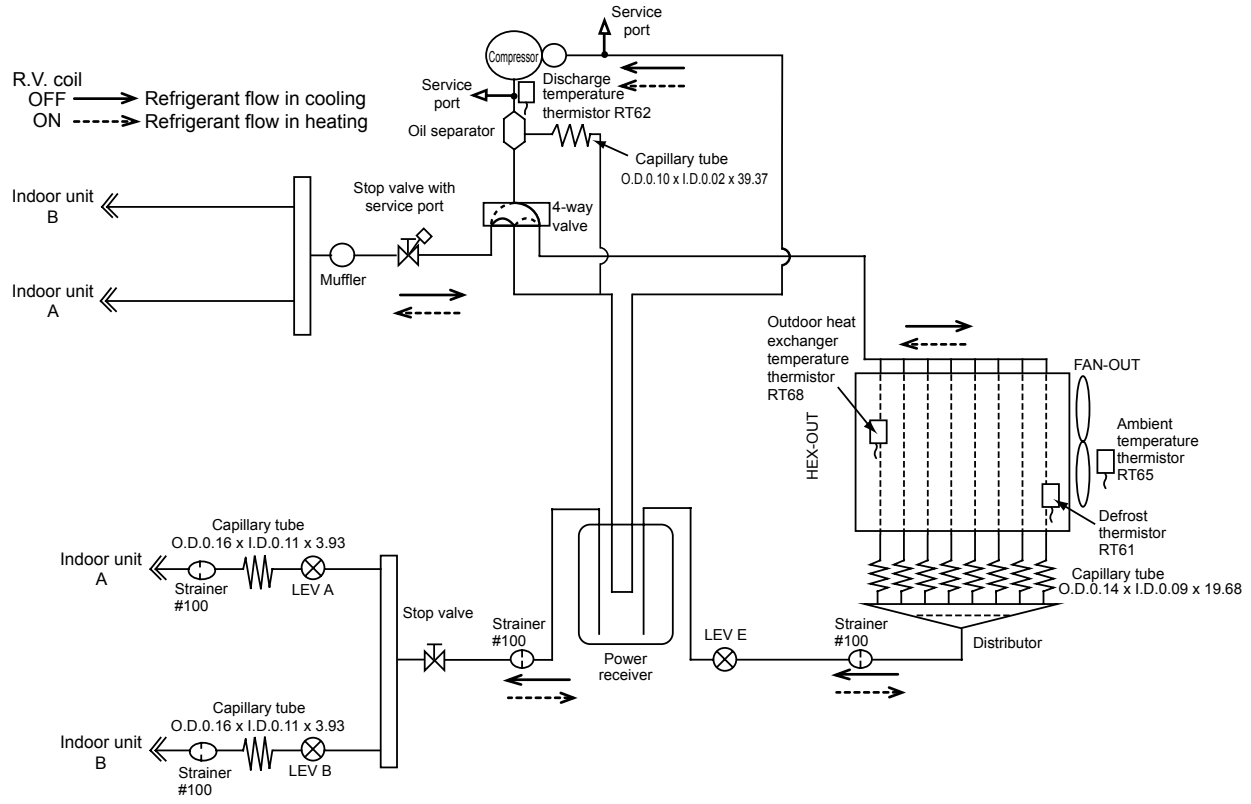
MXZ-2A20NA MXZ-2A20NA - 1

Unit: inch



* **Except MXZ-2A20NA - 1 .**

MXZ-2A20NA - 2



Operating Range **MXZ-2A20NA** **MXZ-2A20NA - 1** **MXZ-2A20NA - 2**

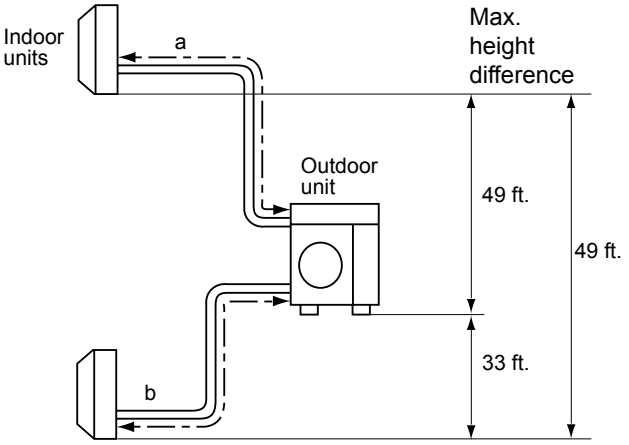
		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

MXZ-2A20NA **MXZ-2A20NA - 1** **MXZ-2A20NA - 2**

Piping length each indoor unit (a, b)	82 ft. MAX.
Total piping length (a+b)	164 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	60 MAX.

✻It is irrelevant which unit is higher.



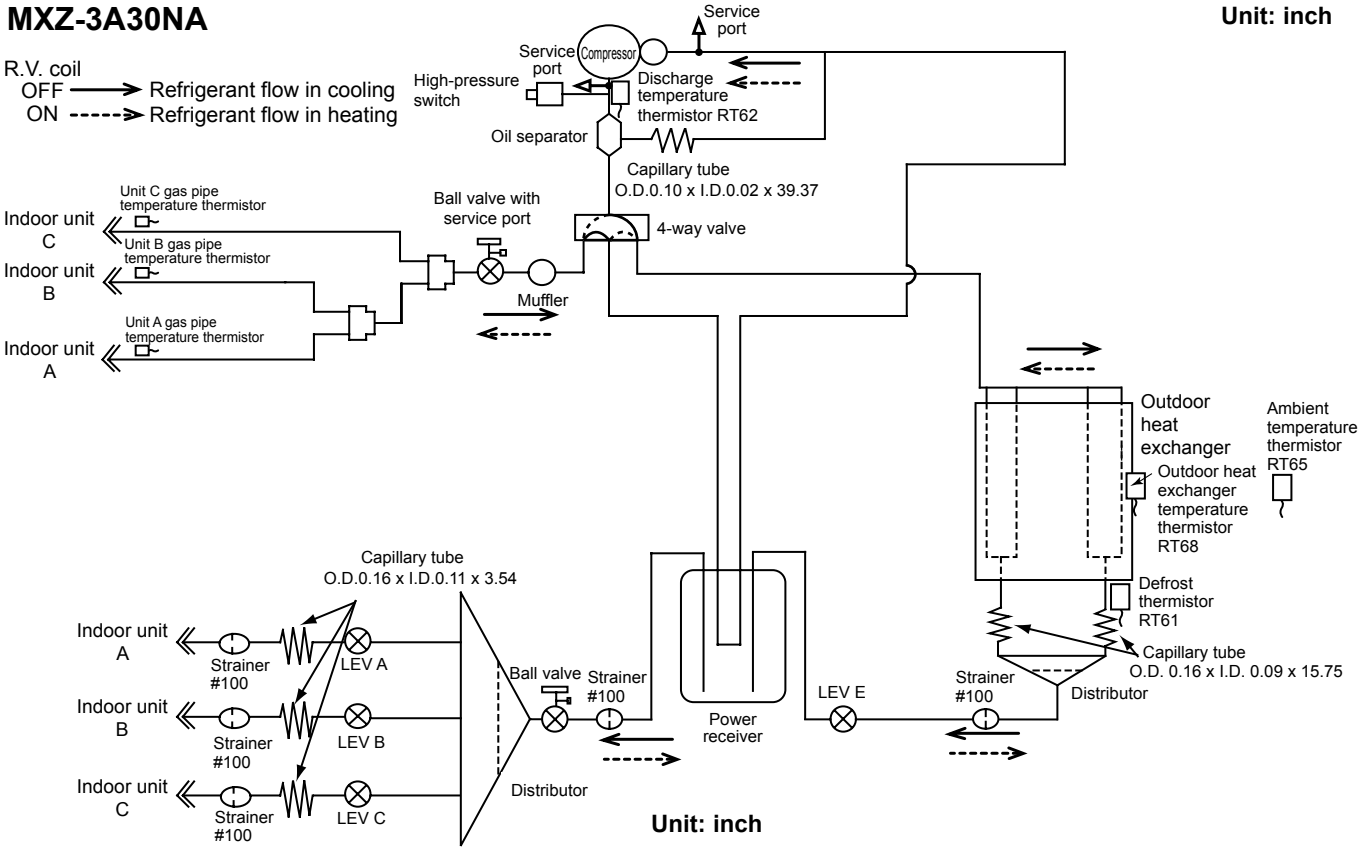
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 16-1.

Unit : inch

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

MXZ-3A30NA

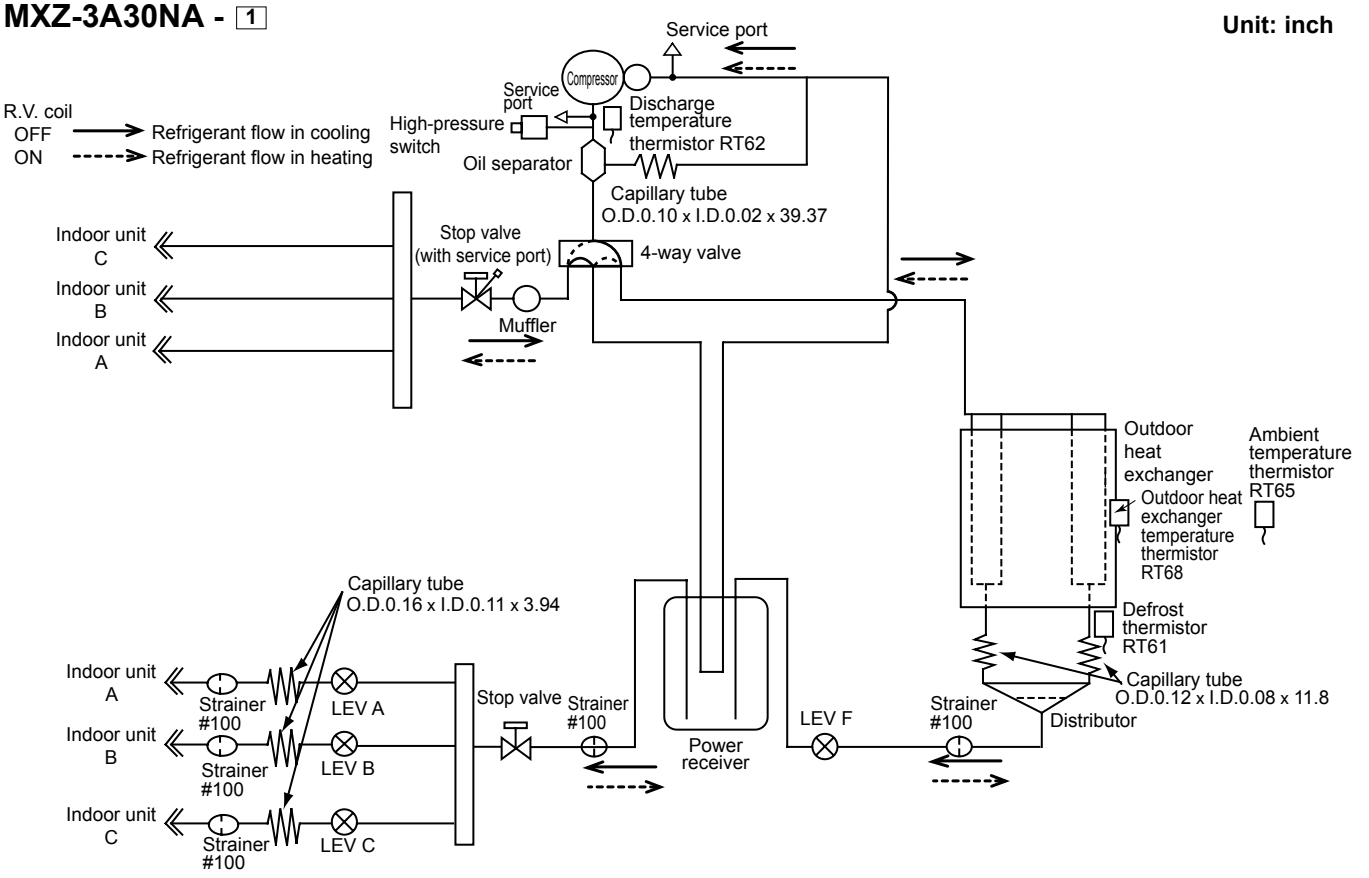
Unit: inch



Unit: inch

MXZ-3A30NA - 1

Unit: inch



Operating Range **MXZ-3A30NA MXZ-3A30NA - 1**

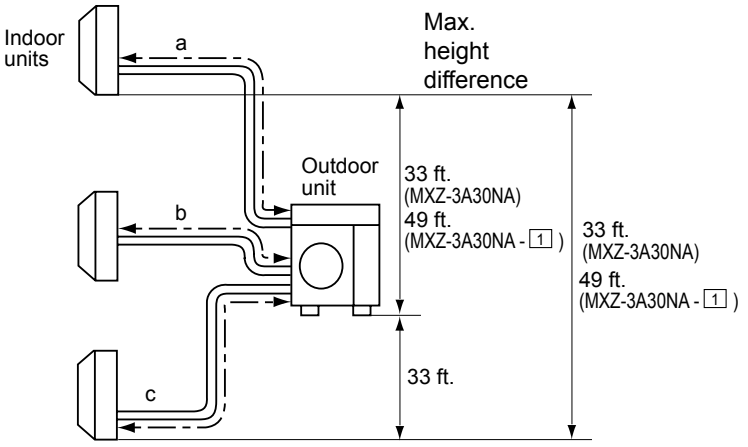
		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

MXZ-3A30NA MXZ-3A30NA - 1

Piping length each indoor unit (a, b, c)	82 ft. MAX.
Total piping length (a+b+c)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

✻It is irrelevant which unit is higher.



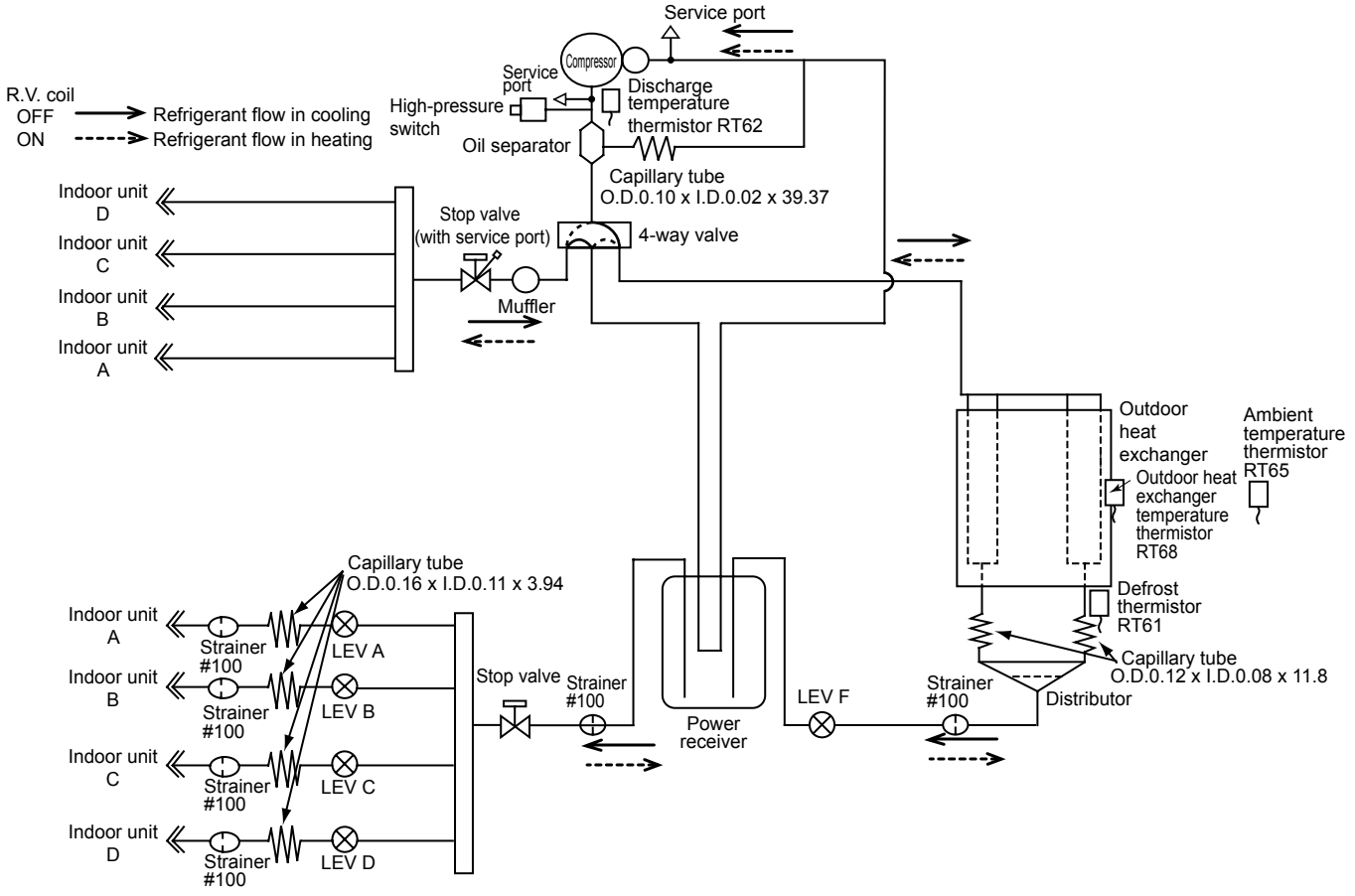
- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe. For further information on Different-diameter pipe, see 16-1.

Unit : inch

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

MXZ-4A36NA

Unit: inch



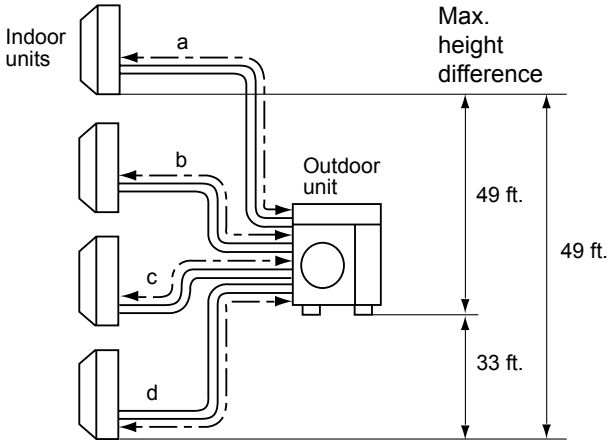
Operating Range **MXZ-4A36NA**

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

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION
MXZ-4A36NA

Piping length each indoor unit (a, b, c, d)	82 ft. MAX.
Total piping length (a+b+c+d)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

✻It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When 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 16-1.

Unit : inch

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

9 DATA

Model				MXZ-2A20NA MXZ-2A20NA-[1] MXZ-2A20NA-[2]			
Indoor type				Wall		Duct	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	20,000	22,000	20,000	22,000
	SHF		–	–	–	–	–
	Input		kW	2.15	1.78	2.19	1.78
Electrical circuit	Outdoor unit			MXZ-2A20NA MXZ-2A20NA-[1] MXZ-2A20NA-[2]			
	Power supply (V,phase,Hz)			208/230,1,60			
	Input		kW	2.113	1.743	2.06	1.69
	Comp. current (208/230V)		A	10.08/9.11	8.24/7.45	9.81/8.87	7.98/7.22
	Fan motor current		A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39
Refrigerant circuit	Condensing pressure		PSIG	435	363	417	350
	Suction pressure		PSIG	128	101	130	101
	Discharge temperature		ºF	190	169	174	172
	Condensing temperature		ºF	122	106	120	104
	Suction temperature		ºF	65	40	65	46
	Comp. shell bottom temp.		ºF	146	144	185	167
	Ref. pipe length [Total pipe length for multi-system]		ft	25[50]			
	Refrigerant charge (R410A)		–	5 lb.15 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	–	43	–	43
	Fan speed		rpm	650	700	650	700
	Airflow		CFM	1,485	1,640	1,485	1,640

Model				MXZ-3A30NA MXZ-3A30NA-1			
Indoor type				Wall		Duct	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	28,400	28,600	27,400	27,600
	SHF		–	–	–	–	–
	Input		kW	3.25	2.18	3.33	2.22
Electrical circuit	Outdoor unit			MXZ-3A30NA MXZ-3A30NA-1			
	Power supply (V,phase,Hz)			208/230,1,60			
	Input		kW	3.197	2.127	3.14	2.09
	Comp. current (208/230V)		A	15.45/13.97	10.15/9.18	15.17/13.72	10.36/9.37
	Fan motor current		A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39
Refrigerant circuit	Condensing pressure		PSIG	506	330	496	325
	Suction pressure		PSIG	136	96	137	100
	Discharge temperature		ºF	190	150	203	168
	Condensing temperature		ºF	132	100	133	99
	Suction temperature		ºF	48	30	63	50
	Comp. shell bottom temp.		ºF	146	125	188	152
	Ref. pipe length [Total pipe length for multi-system]		ft	25[75]			
	Refrigerant charge (R410A)		–	7 lb.11 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	–	43	–	43
	Fan speed		rpm	520	600	520	600
	Airflow		CFM	1,365	1,605	1,365	1,605

Model				MXZ-4A36NA			
Indoor type				Wall		Duct	
Item			Unit	Cooling	Heating	Cooling	Heating
Total	Capacity		Btu/h	36,000	36,000	34,400	34,400
	SHF		–	–	–	–	–
	Input		kW	3.82	3.1	3.94	3.1
Electrical circuit	Outdoor unit			MXZ-4A36NA			
	Power supply (V,phase,Hz)			208/230,1,60			
	Input		kW	3.756	3.036	3.62	2.86
	Comp. current (208/230V)		A	17.85/16.14	14.36/12.98	17.58/15.90	13.39/12.56
	Fan motor current		A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39
Refrigerant circuit	Condensing pressure		PSIG	458	338	455	347
	Suction pressure		PSIG	136	93	130	95
	Discharge temperature		ºF	194	158	202	163
	Condensing temperature		ºF	125	100	126	102
	Suction temperature		ºF	62	44	65	32
	Comp. shell bottom temp.		ºF	180	140	186	148
	Ref. pipe length [Total pipe length for multi-system]		ft	25[100]			
	Refrigerant charge (R410A)		–	8 lb.13 oz.			
Outdoor unit	Intake air temperature	DB	ºF	95	47	95	47
		WB	ºF	–	43	–	43
	Fan speed		rpm	750	750	750	750
	Airflow		CFM	2,068	2,068	2,068	2,068

9-1. OPERATING RANGE

(1) POWER SUPPLY

	Model	Rating	Guaranteed Voltage
Outdoor unit	MXZ-2A20NA MXZ-2A20NA - [1] MXZ-2A20NA - [2] MXZ-3A30NA MXZ-3A30NA - [1] MXZ-4A36NA	208/230 V 60 Hz 1ϕ	Min. 198 V 208 V 230 V Max. 253 V

(2) OPERATION

Function	Condition \ Intake air temperature	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2 MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA

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

(1) GUARANTEED VOLTAGE

198 ~ 253 V 60 Hz

(2) AIR FLOW

Air flow should be set at MAX.

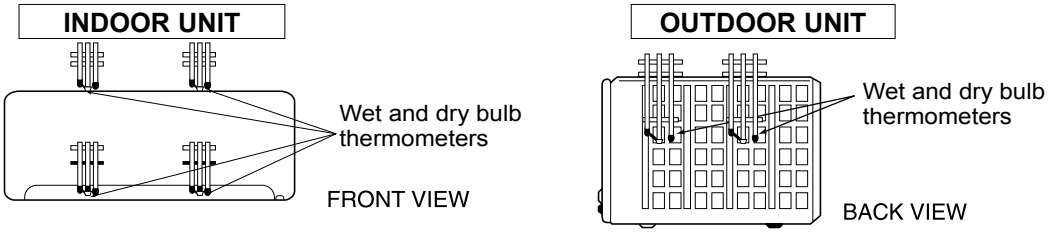
(3) MAIN READINGS

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

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

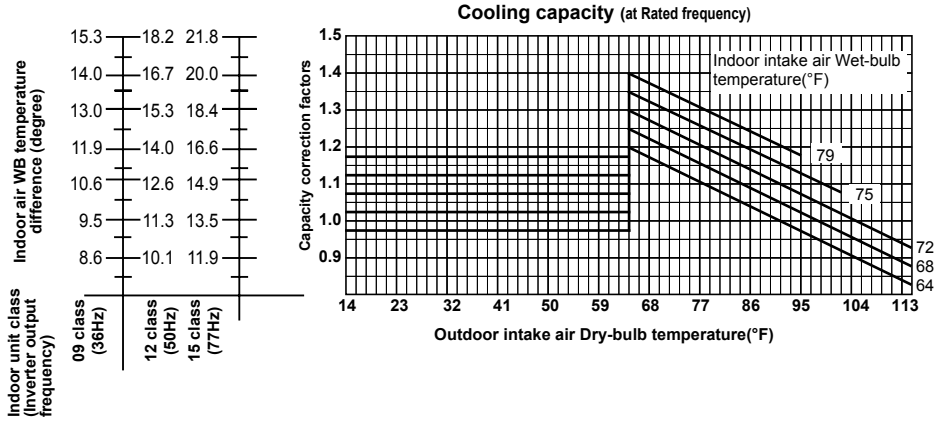
How to measure the indoor air wet and dry bulb temperature difference

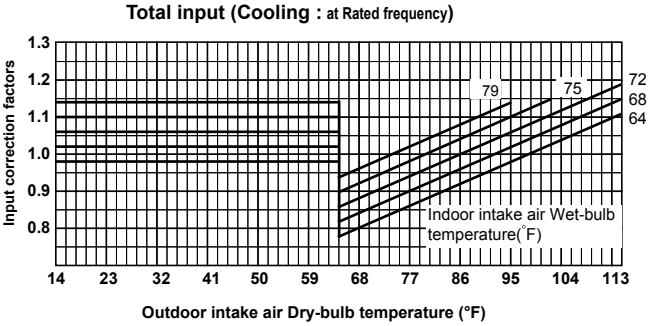
1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake. Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. Compressor starts running at 33 Hz (COOL) or 45 Hz (HEAT). The frequency at each operation mode is fixed.
7. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
8. 10 minutes later, measure temperature again and check that the temperature does not change.

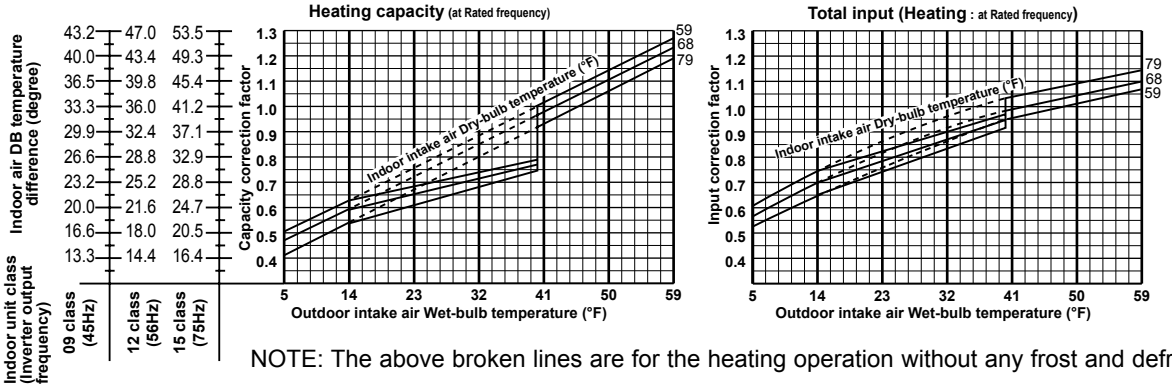


9-2. CAPACITY AND THE INPUT CURVES

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2

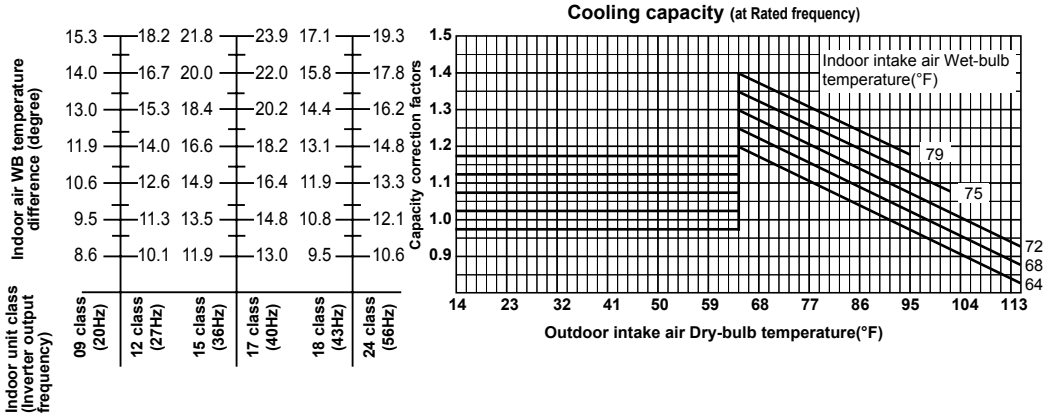


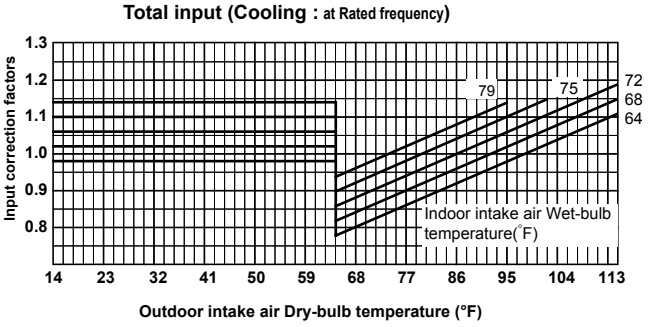




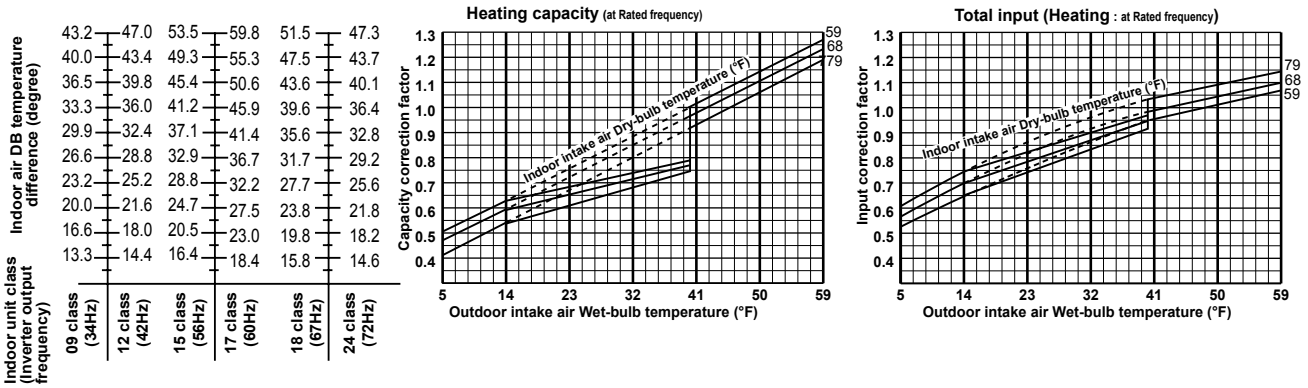
NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA





MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA

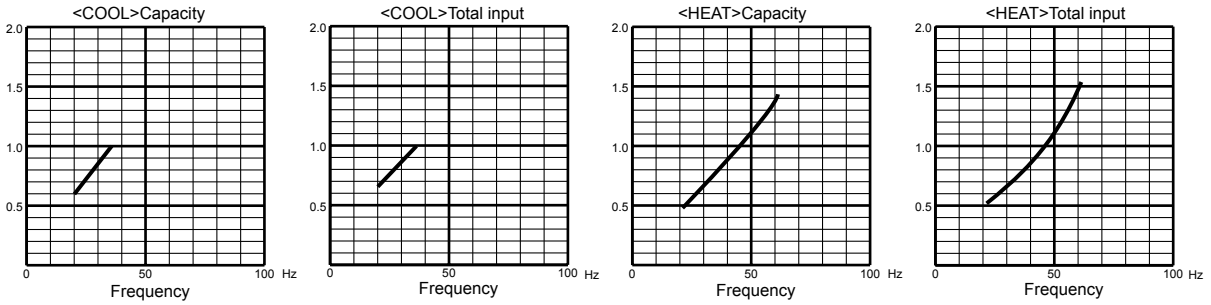


NOTE: The above broken lines are for the heating operation without any frost and defrost operation.

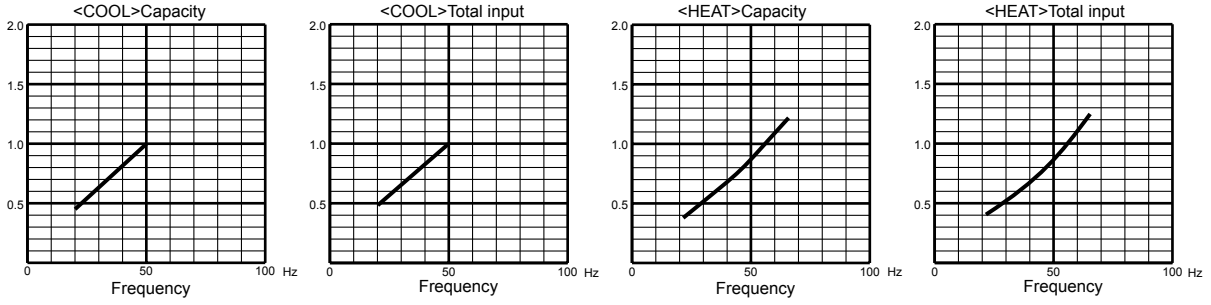
9-3. CAPACITY AND INPUT CORRECTION BY MEANS OF INVERTER OUTPUT FREQUENCY

(OUTDOOR UNIT : MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2)

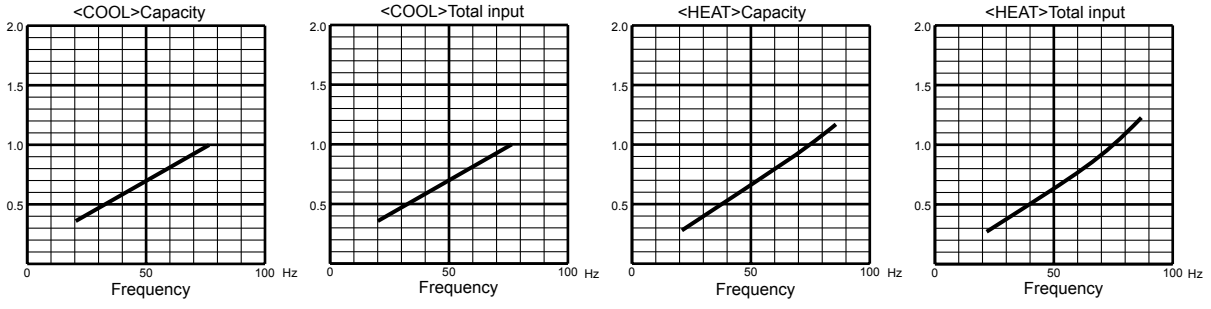
1. 09-class unit in single operation



2. 12-class unit in single operation

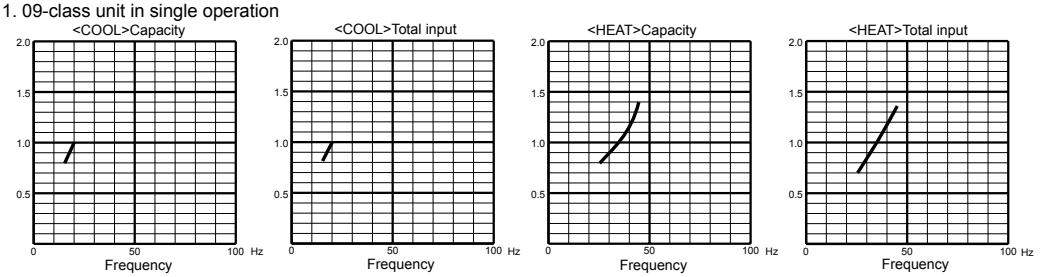


3. 15-class unit in single operation

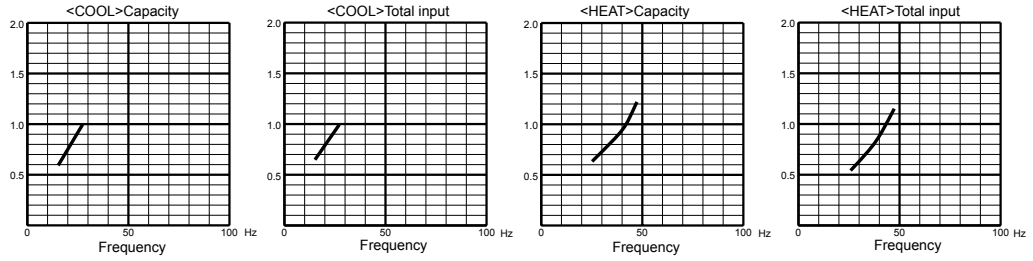


(OUTDOOR UNIT: MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA)

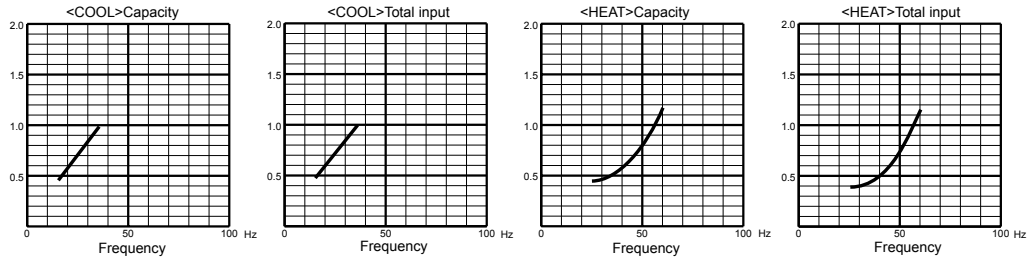
1. 09-class unit in single operation



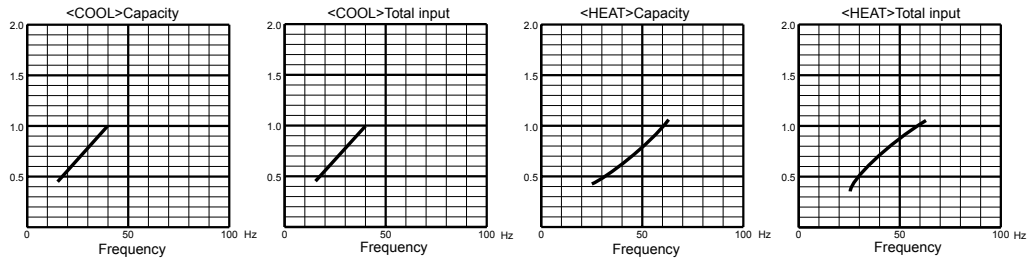
2. 12-class unit in single operation



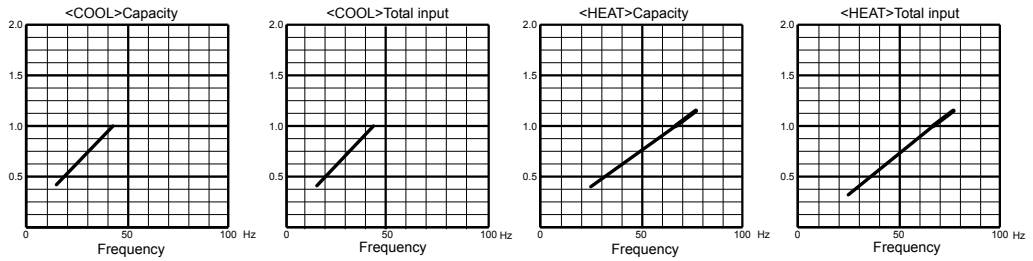
3. 15-class unit in single operation



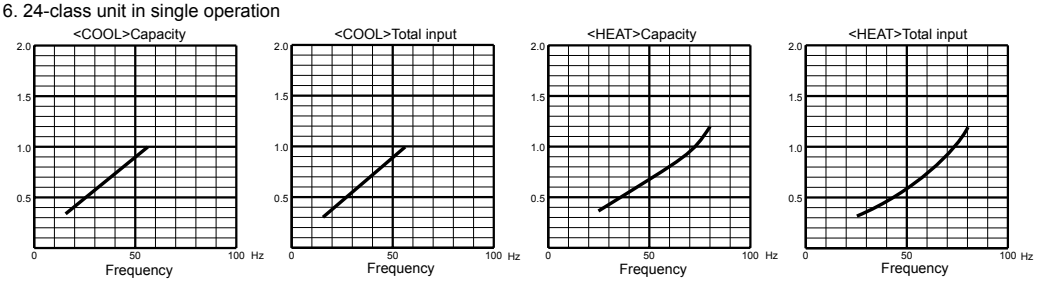
4. 17-class unit in single operation



5. 18-class unit in single operation



6. 24-class unit in single operation



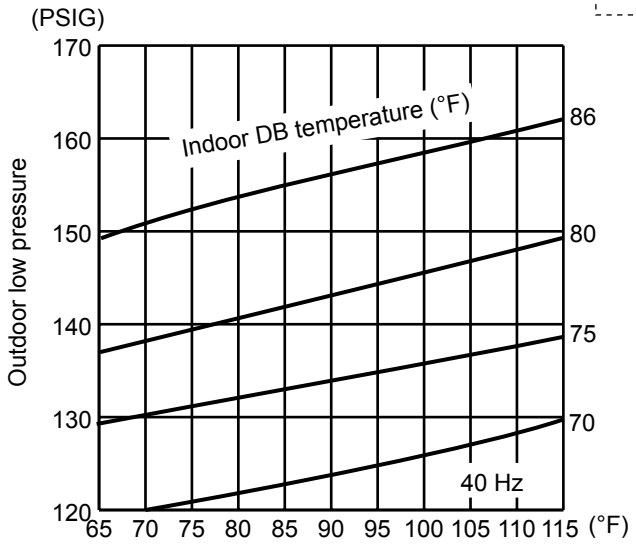
9-4. OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

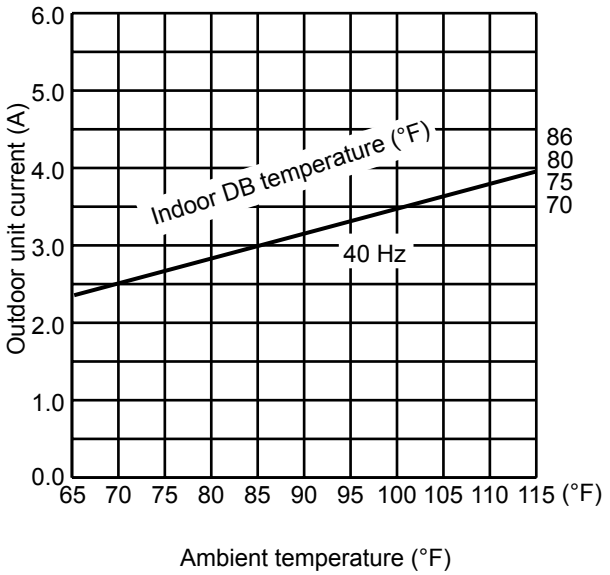
1. 09-class unit in single operation (OUTDOOR UNIT : MXZ-2A20NA MXZ-2A20NA - [1] MXZ-2A20NA - [2])

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 40 Hz

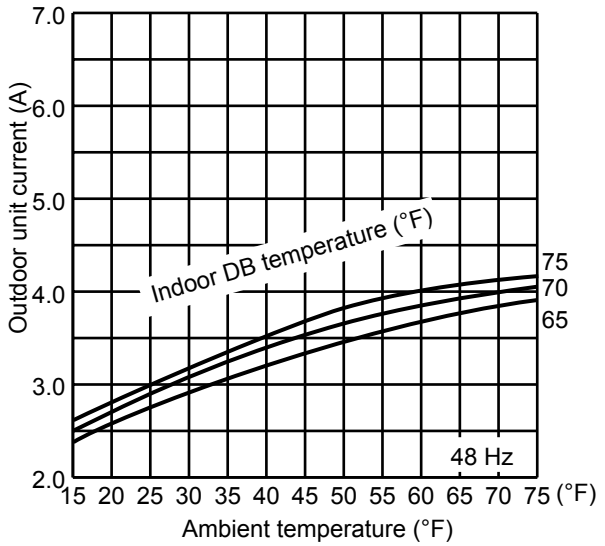
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

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

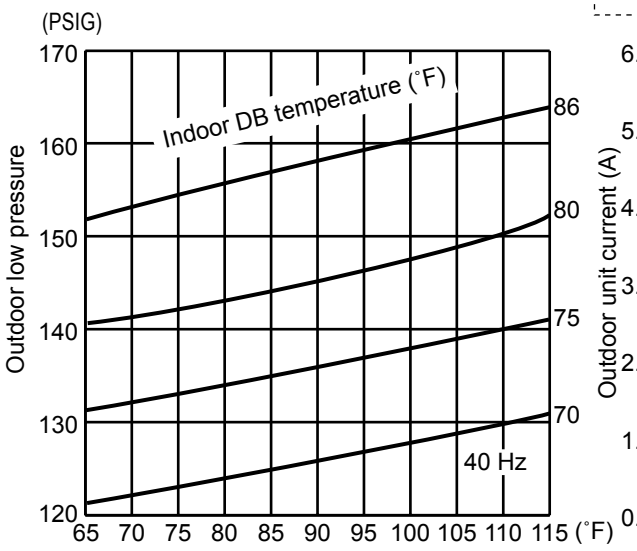


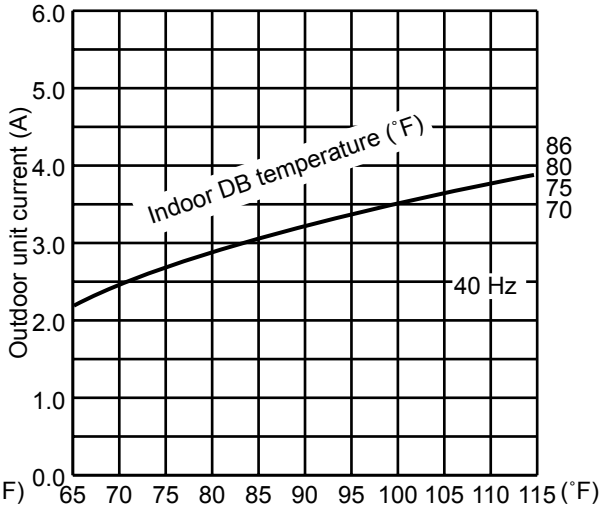
2. 12-class unit in single operation (OUTDOOR UNIT : MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 40 Hz

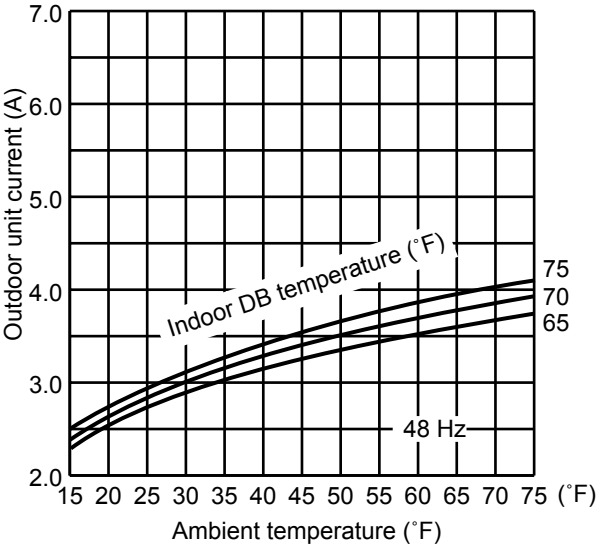
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

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

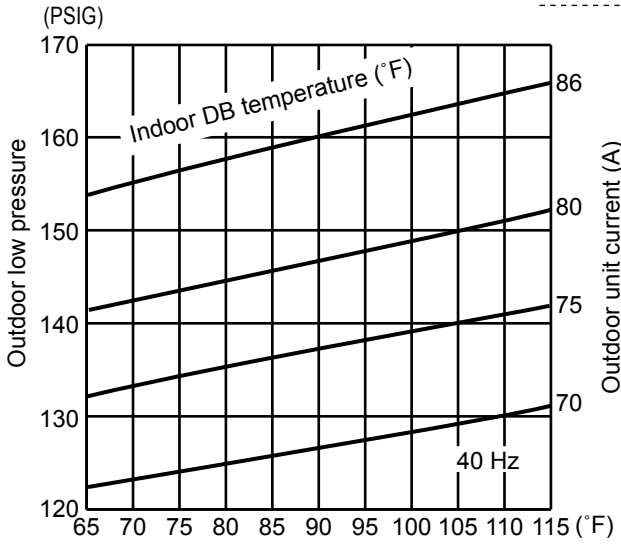


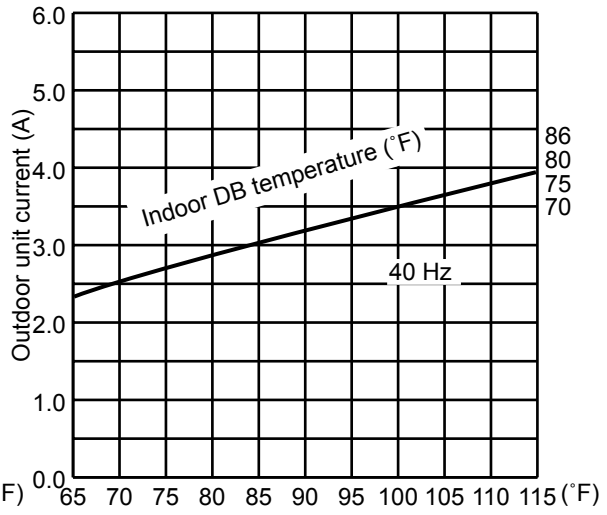
3. 15-class unit in single operation (OUTDOOR UNIT : MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 40 Hz

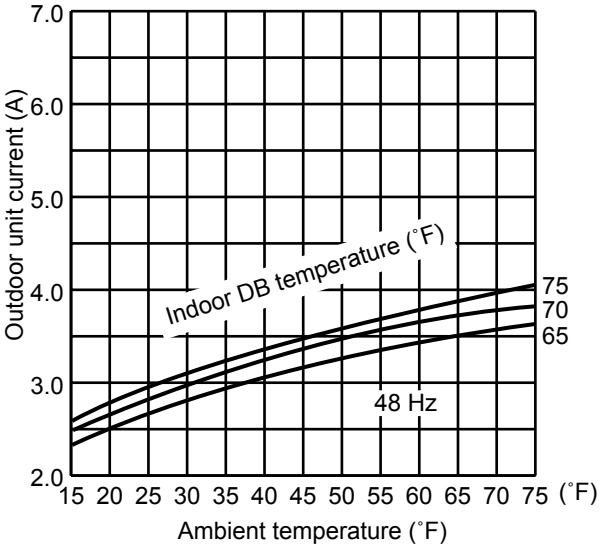
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

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

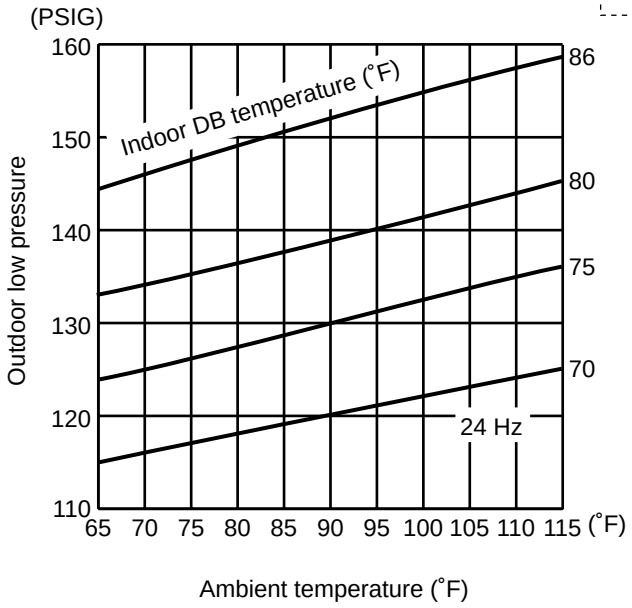


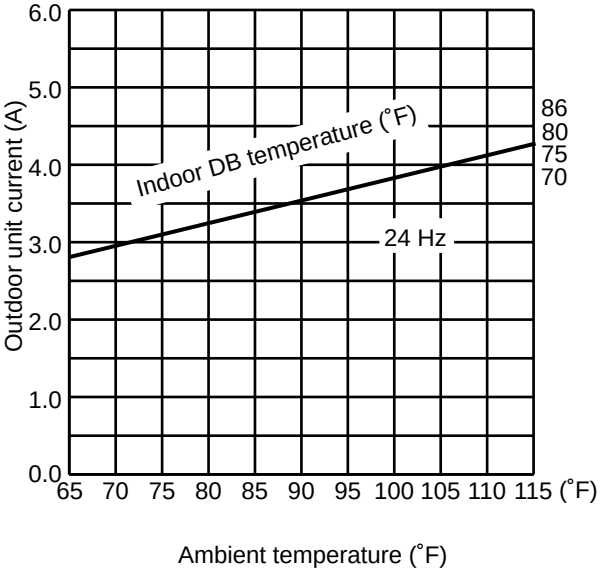
4. 09-class unit in single operation (OUTDOOR UNIT : MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 24 Hz

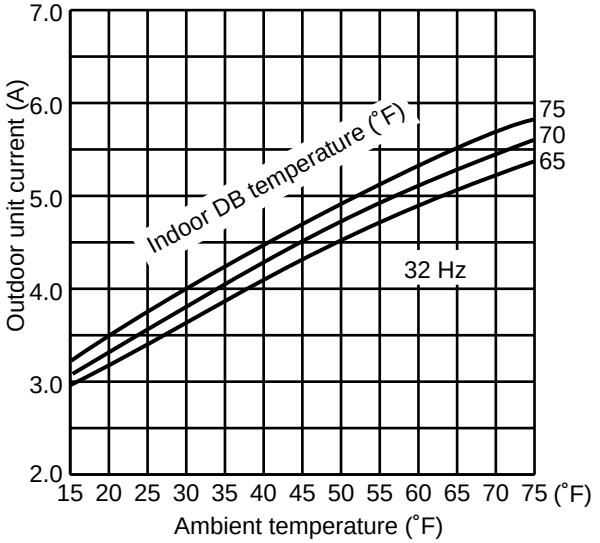
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

①Data is based on the condition of outdoor humidity 75%.
②Set air flow to High speed.
③Inverter output frequency is 32 Hz.

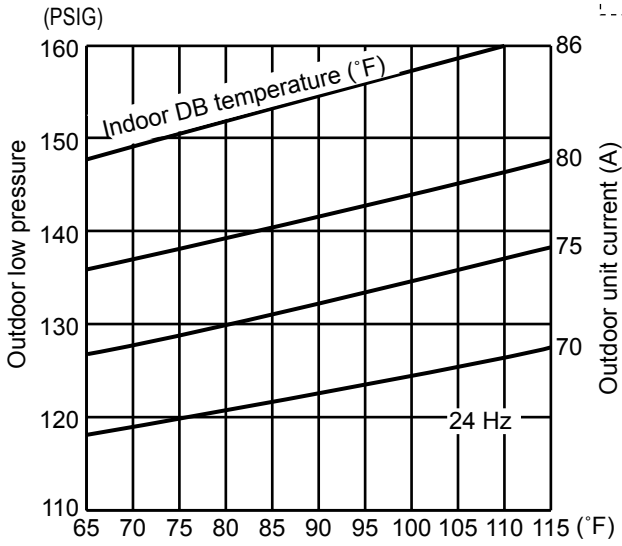


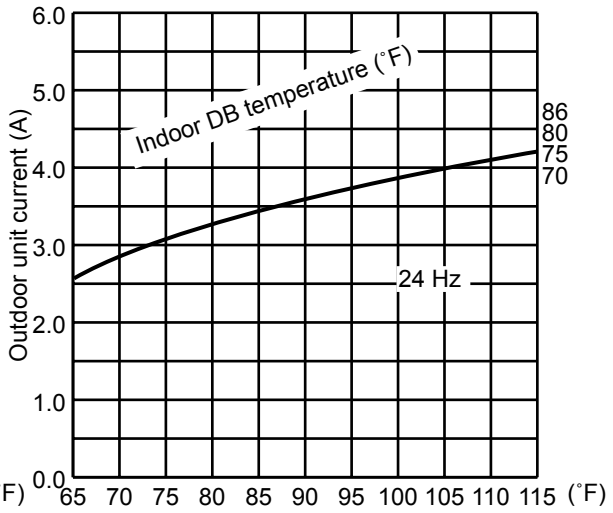
5. 12-class unit in single operation (OUTDOOR UNIT : MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 24 Hz

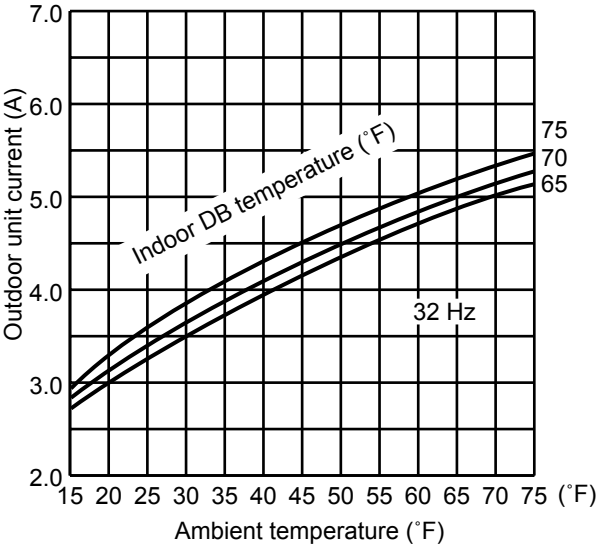
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

①Data is based on the condition of outdoor humidity 75%.
②Set air flow to High speed.
③Inverter output frequency is 32 Hz.

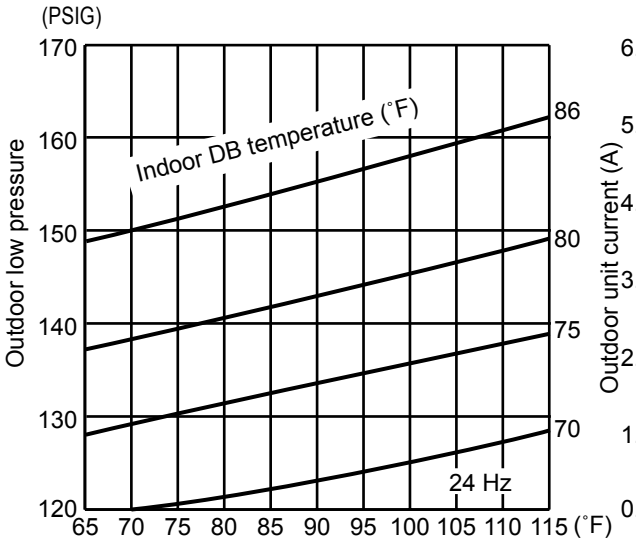


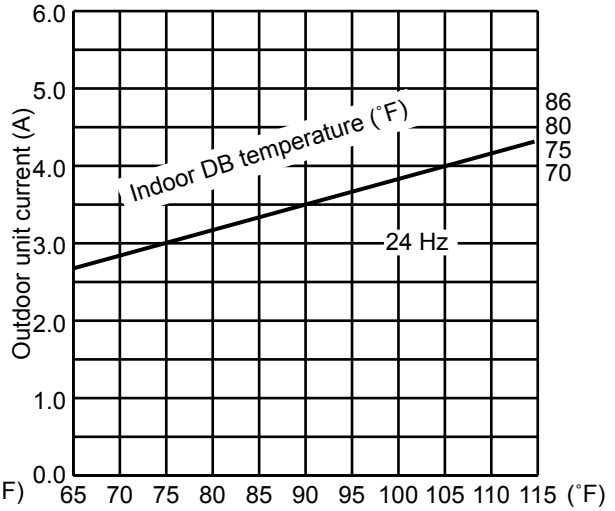
6. 15-class unit in single operation (OUTDOOR UNIT : MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 24 Hz

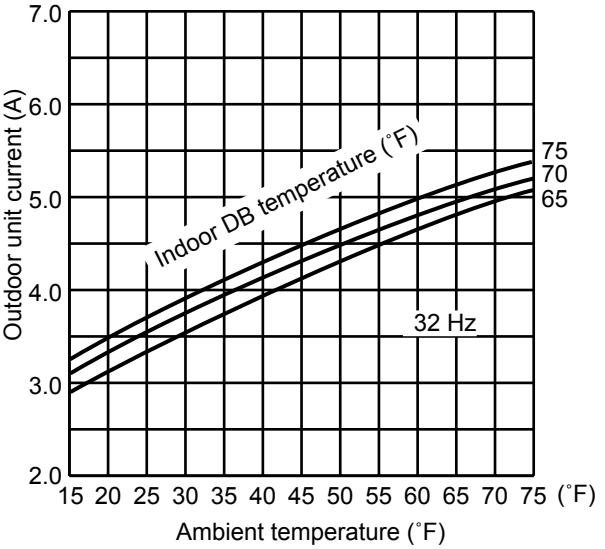
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

①Data is based on the condition of outdoor humidity 75%
②Set air flow to High speed.
③Inverter output frequency is 32 Hz.

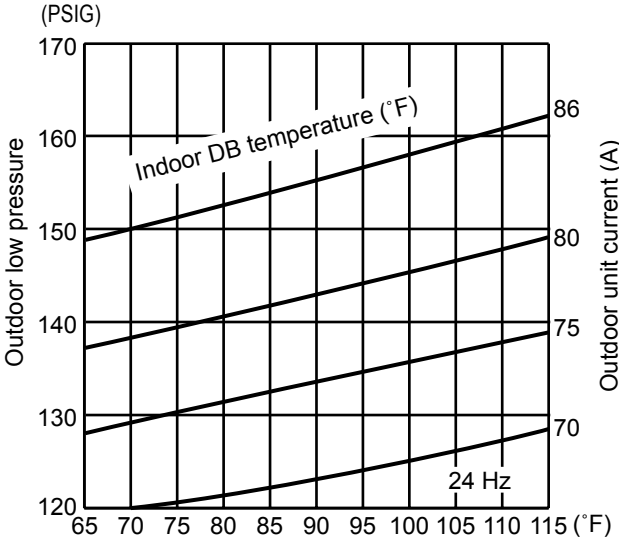


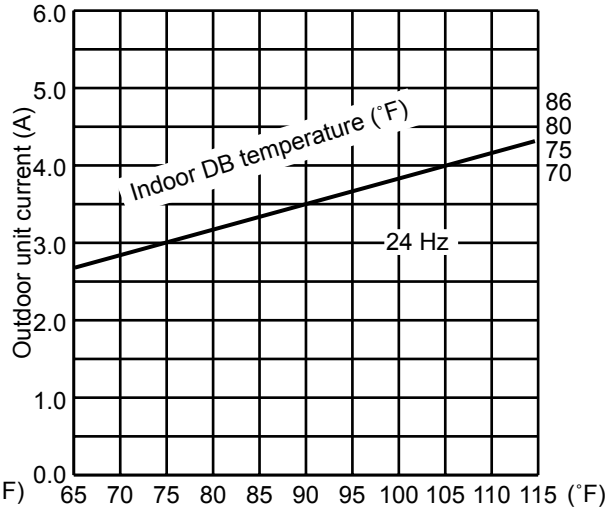
7. 17 or 18-class unit in single operation (OUTDOOR UNIT : MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 24 Hz

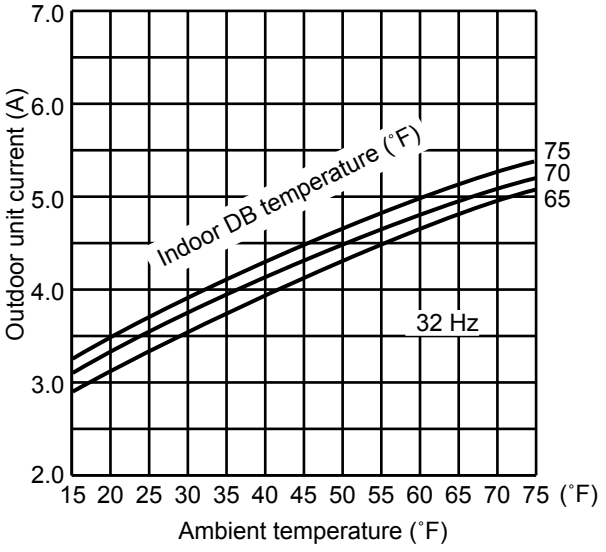
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

①Data is based on the condition of outdoor humidity 75%.
②Set air flow to High speed.
③Inverter output frequency is 32 Hz.

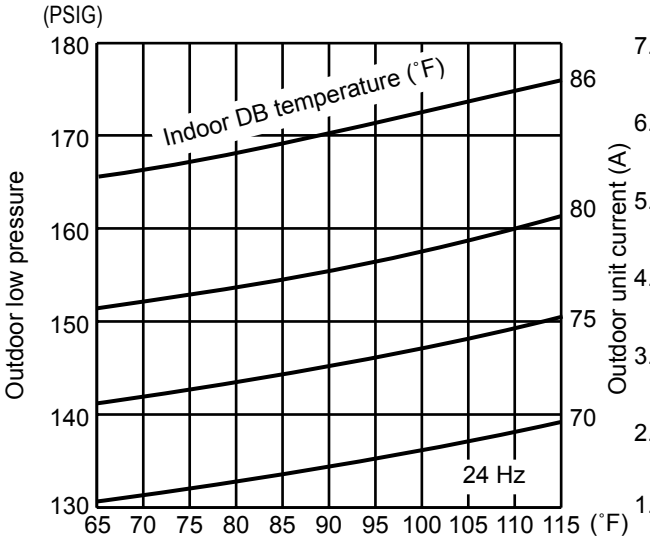


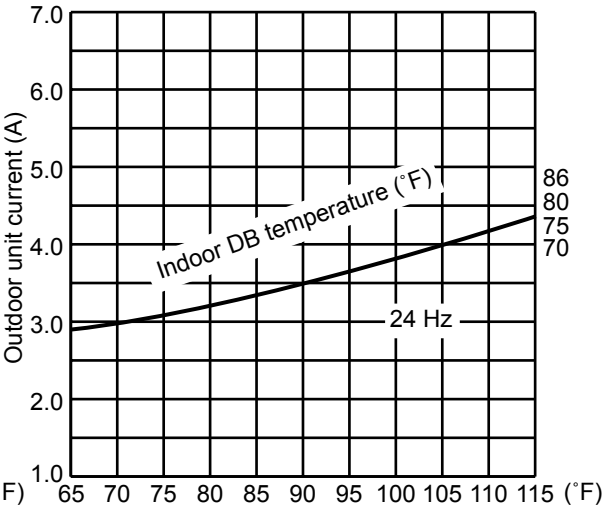
8. 24-class unit in single operation (OUTDOOR UNIT : MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA)

(1) COOL operation

①Data is based on the condition of indoor humidity 50%
②Air flow speed : High
③Inverter output frequency : 24 Hz

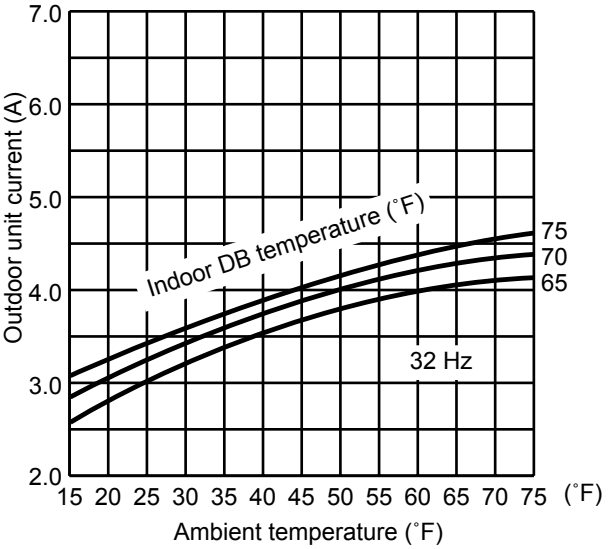
<How to work fixed-frequency operation>
1.Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2.Press emergency run ON/OFF button.
3.Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4.Indoor fan runs at High speed and continues for 30 minutes.
5.To cancel this operation, press emergency run ON/OFF button or any button on remote controller.





(2) HEAT operation

①Data is based on the condition of outdoor humidity 75%
②Set air flow to High speed.
③Inverter output frequency is 32 Hz.



10 ACTUATOR CONTROL

MXZ-2A20NA MXZ-2A20NA - [1] MXZ-2A20NA - [2]
MXZ-3A30NA MXZ-3A30NA - [1] MXZ-4A36NA

Relation between main sensor and actuator

Sensor	Purpose	Actuator			
		Compressor	LEV	Outdoor fan motor	4-way valve
Discharge temperature thermistor	Protection	○	○		
Indoor coil thermistor	Defrosting Protection	○	○	○	
Defrost thermistor	Defrosting	○	○	○	○
Gas pipe temperature thermistor (MXZ-2A20NA, MXZ-3A30NA)	Control		○		
Fin temperature thermistor	Protection	○		○	
Ambient temperature thermistor	Control	○	○	○	
Outdoor heat exchanger temperature	Protection	○	○	○	
Capacity code	Control	○	○		

11 SERVICE FUNCTIONS

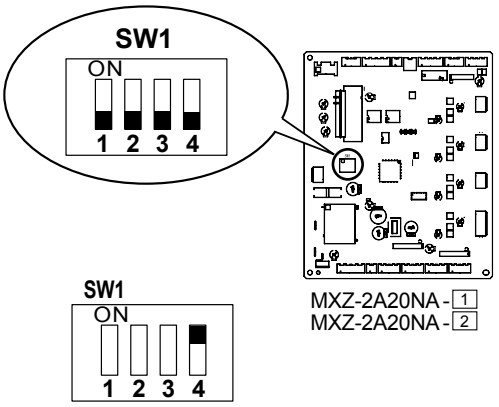
11-1. PRE-HEAT CONTROL <MXZ-2A20NA - [1] , MXZ-2A20NA - [2] , MXZ-3A30NA - [1] , MXZ-4A36NA >

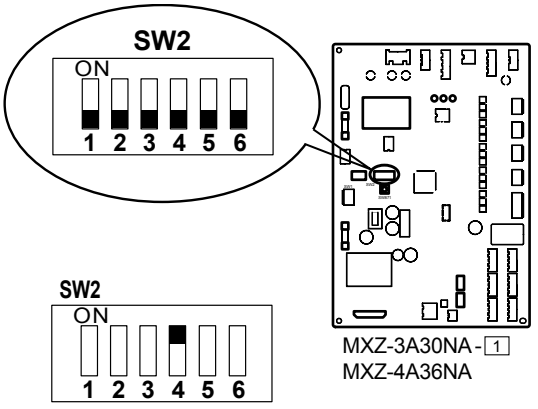
If moisture gets into the refrigerant cycle, or when refrigerant is liquefied and collected in the compressor, it may interfere the start-up of the compressor.
To improve start-up condition, the compressor is energized even while it is not operating.
This is to generate heat at the winding.
The compressor 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]

① Turn OFF the power supply for the air conditioner before making the setting.
② Set the "4" of SW1 on the outdoor electronic control P.C. board to ON to deactivate pre-heat control function (**MXZ-2A20NA - [1], MXZ-2A20NA - [2]**).

Set the "4" of SW2 on the outdoor electronic control P.C. board to ON to deactivate pre-heat control function (**MXZ-3A30NA - [1] , MXZ-4A36NA**).





③ Turn ON the power supply for the air conditioner.

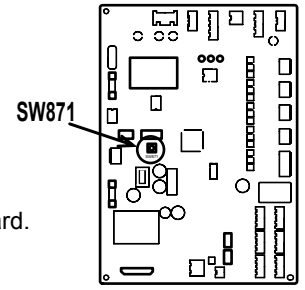
NOTE: Pre-heat control will be turned OFF when the breaker is turned OFF.

11-2. AUTO LINE CORRECTING <MXZ-3A30NA - 1 , MXZ-4A36NA >

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

Improper wiring or piping can be automatically detected by pressing the piping/wiring correction switch (SW871).
When improper wiring or piping is detected, wiring lines are corrected.
This will be completed in about 10 to 15 minutes.

[How to activate this function]



1. Check that outside temperature is above 0˚C.
   (This function does not work when outside temperature is not above 0˚C.)
2. Check that the stop valves of the liquid pipe and gas pipe are open.
3. Check that the wiring between indoor and outdoor unit is correct.
   (If the wiring is not correct, this function does not work.)
4. Turn ON the power supply and wait at least 1 minute.
5. Press the piping/wiring correction switch (SW871) on the electronic control P.C. board.
   Do not touch energized parts.

   LED indication during detection:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)
Lighting	Lighting	Blinking

   LED indication after detection:

LED1 (Red)	LED2 (Yellow)	LED3 (Green)	Indication
Lighting	Goes out	Lighting	Completed (Detected successfully)
Blinking	Blinking	Blinking	Cannot be corrected
Other indications			Refer to "SAFETY PRECAUTIONS WHEN LED FLASHES" located behind the service panel.

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

   LED indication after cancel :

LED1 (Red)	LED2 (Yellow)	LED3 (Green)
Lighting	Lighting	Goes out

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

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

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

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

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

12 TROUBLESHOOTING

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2
MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA

12-1. CAUTIONS ON TROUBLESHOOTING

1. Before troubleshooting, check the following:

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

2. Take care of the following during servicing.

1) Before servicing the air conditioner, be sure to turn off the unit first with the remote controller, and then after confirming the horizontal vane is closed, turn off the breaker and/or disconnect the power plug.
2) Be sure to turn OFF the power supply before removing the front panel, the cabinet, the top panel, and the 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.

<Incorrect> <Correct>



Lead wiring **Housing point**

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 12-2, 12-3 and 12-4.

12-2. FAILURE MODE RECALL FUNCTION

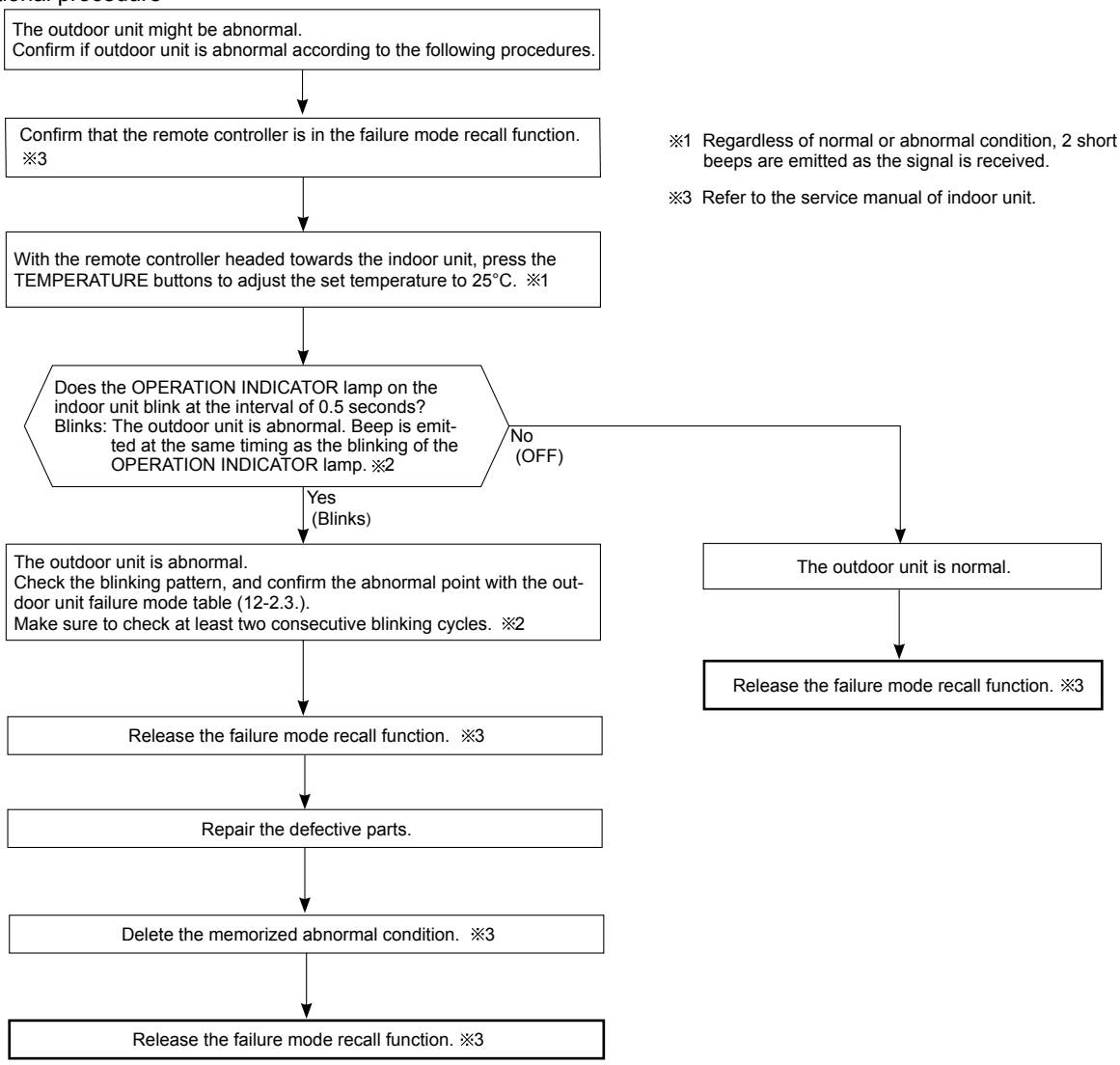
This air conditioner can memorize the abnormal condition which has occurred once.
Even though LED indication listed on the troubleshooting check table (12-4) disappears, the memorized failure details can be recalled.

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

Refer to the service manual of indoor unit.

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

Operational procedure

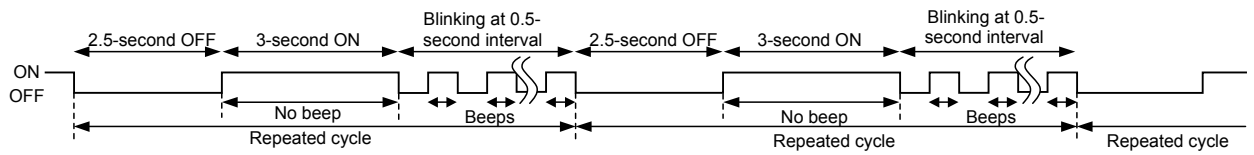


※1 Regardless of normal or abnormal condition, 2 short beeps are emitted as the signal is received.

※3 Refer to the service manual of indoor unit.

NOTE: 1. Make sure to release the failure mode recall function 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. Outdoor unit failure mode table

The left lamp of OPERATION INDICATOR lamp (Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board)		Condition	Remedy	Indoor/outdoor unit failure mode recall function
		LED 1	LED 2			
OFF	None (Normal)	Lighting	Lighting	———	———	———
2-time flash	Outdoor power system	Lighting	Lighting	When overcurrent 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. • Refer to 12-6.Ⓔ "How to check inverter/compressor". • Check the stop valve.	○
3-time flash	Discharge temperature thermistor	Lighting	Once	When thermistor shorts or opens during compressor running.	• Refer to 12-6.Ⓕ "Check of outdoor thermistors".	○
	Defrost thermistor	Lighting	Once			
	Ambient temperature thermistor	Lighting	Twice			
	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			
	Gas pipe temperature thermistor A	Lighting	10 times	When a short or open circuit is detected in the thermistor during cooling. (A,B: **MXZ-2A20NA, MXZ-3A30NA**) (C : **MXZ-3A30NA**)	• Refer to 12-6.Ⓕ "Check of outdoor thermistors".	
	Gas pipe temperature thermistor B	Lighting	11 times			
	Gas pipe temperature thermistor C	Lighting	12 times			
4-time flash	Overcurrent	Once	Goes out	When 28A current flows into intelligent power module.	• Reconnect compressor connector. • Refer to 12-6.Ⓔ"How to check inverter/compressor". • Check the stop valve.	———
5-time flash	Discharge temperature	Lighting	Lighting	When discharge temperature exceeds 240.8°F during operation. Compressor can restart if discharge temperature thermistor reads 212°F or less 3 minutes later.	•Check refrigerant circuit and refrigerant amount. • Refer to 12-6.Ⓓ "Check of LEV".	———
6-time flash	High pressure	Lighting	Lighting	When high-pressure is detected with the high-pressure switch (HPS) during operation. (**MXZ-3A30NA, MXZ-3A30NA-**□1**, MXZ-4A36NA**)	•Check refrigerant circuit and refrigerant amount. • Check the stop valve.	———
				When the outdoor heat exchanger temperature exceeds 158°F during cooling or the indoor gas pipe temperature exceeds 158°F during heating.		
7-time flash	Fin temperature	3 times	Goes out	When the fin temperature exceeds 188.6°F during operation.	• Check around outdoor unit. • Check outdoor unit air passage. • Refer to 12-6.Ⓖ"Check of outdoor fan motor".	———
	P.C. board temperature	4 times	Goes out	When the P.C. board temperature exceeds 158°F during operation.		
8-time flash	Outdoor fan motor	Lighting	Lighting	When failure occurs continuously three times within 30 seconds after the fan gets started.	• Refer to 12-6.Ⓖ"Check of outdoor fan motor".	———
9-time flash	Nonvolatile memory data	Lighting	5 times	When nonvolatile memory data cannot be read properly.	• Replace the outdoor electronic control P.C. board.	○
10-time flash	Discharge temperature	Lighting	Lighting	When the frequency of the compressor is kept 80Hz or more and the discharge temperature is kept under 102.2°F for more than 20 minutes.	•Check refrigerant circuit and refrigerant amount. • Refer to 12-6.Ⓓ"Check of LEV".	———

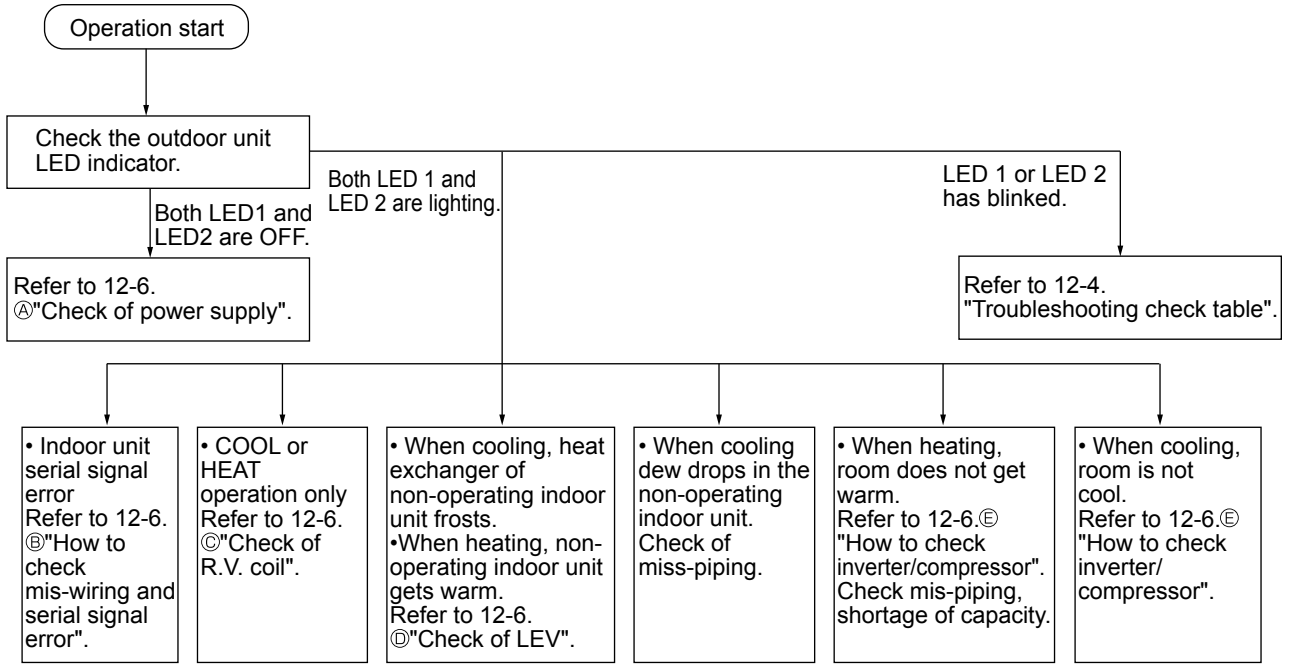
NOTE : Blinking patterns of this mode differ from the ones of Troubleshooting check table (12-4.).

The left lamp of OPERATION INDICATOR lamp(Indoor unit)	Abnormal point (Failure mode/protection)	LED indication (Outdoor P.C. board) LED 1	LED 2	Condition	Remedy	Indoor/outdoor unit failure mode recall function
11-time flash	Communication error between P.C. boards	Lighting	6 times	Communication error occurs between the 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.	———
				When the communication between boards protection stop is continuously performed twice.		○
	Current sensor	Lighting	7 times	When a short or open circuit is detected in the current sensor during compressor operating.	• Replace the power board.	———
				Current sensor protection stop is continuously performed twice.		○
	Zero cross detecting circuit	5 times	Goes out	When zero cross signal cannot be detected while the compressor is operating.	• Check the connecting wire among electronic control P.C. board, noise filter P.C. board and power board.	———
				The protection stop of the zero cross detecting circuit is continuously performed 10 times.		○
	Converter	5 times	Goes out	When a failure is detected in the operation of the converter during operation.	• Check the voltage of power supply. • Replace the power board.	———
	Bus-bar voltage (1)	5 times	Goes out	When the bus-bar voltage exceeds 400V or falls to 200V or below during compressor operating.		
	Bus-bar voltage (2) ※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. • Replace the outdoor electronic control P.C. board.	
15-time flash	LEV for drain	Lighting	Lighting	When the indoor unit detects any abnormal in the LEV for drain.	• Refer to 12-6.Ⓓ "Check of LEV". • Check the drain pump of the indoor unit.	———

NOTE : Blinking patterns of this mode differ from the ones of Troubleshooting check table (12-4.).

12-3. INSTRUCTION OF TROUBLESHOOTING

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

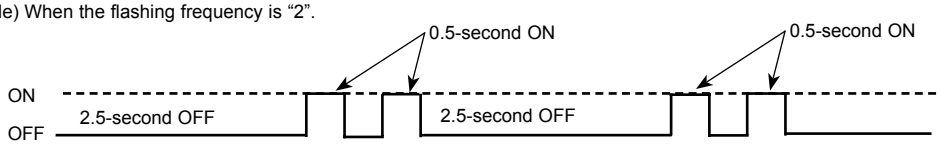


12-4. TROUBLESHOOTING CHECK TABLE

No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
1	Outdoor unit does not operate.	Lighting	Once	LEV for drain	When the indoor unit detects any abnormality in the LEV for drain.	• Refer to 12-6.Ⓓ "Check of LEV". • Check the drain pump of the indoor unit.
2		Lighting	Twice	Outdoor power system	When over current 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. • Refer to 12-6.Ⓔ "How to check inverter/compressor". • Check the stop valve.
3		Lighting	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.	• Refer to 12-6.Ⓕ "Check of outdoor thermistors".
4		Lighting	4 times	Fin temperature thermistor	When a short or open circuit is detected in the thermistor during operation.	• Refer to 12-6.Ⓕ "Check of outdoor thermistors".
				P.C board temperature thermistor		• Replace the outdoor electronic control P.C. board.
5		Lighting	5 times	Ambient temperature thermistor	When a short or open circuit is detected in the thermistor during operation.	• Refer to 12-6.Ⓕ "Check of outdoor thermistors".
				Outdoor heat exchanger temperature thermistor	When a short circuit is detected in the thermistor during operation, or when an open circuit is detected in the thermistor after 5 minutes (in cooling) and 10 minutes (in heating) of compressor start-up.	
				Defrost 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.	
6		Lighting	7 times	Nonvolatile memory data	When the nonvolatile memory data cannot be read properly.	• Replace the outdoor electronic control P.C. board.
7		Lighting	8 times	Current sensor	Current sensor protection stop is continuously performed twice.	• Replace the power board.
8		Lighting	10 times	Gas pipe temperature thermistor A	When a short or open circuit is detected in the thermistor during cooling. (A,B : **MXZ-2A20NA, MXZ-3A30NA**) (C : **MXZ-3A30NA**)	• Refer to 12-6.Ⓕ "Check of outdoor thermistors".
				Gas pipe temperature thermistor B		
				Gas pipe temperature thermistor C		
9		Lighting	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.
10		Lighting	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.
11	'Outdoor unit stops and restarts 3 minutes later' is repeated.	Twice	Goes out	IPM protection	When overcurrent is detected after 30 seconds of compressor start-up.	• Reconnect compressor connector. • Refer to 12-6.Ⓔ "How to check inverter/compressor". • Check the stop valve. • Check the power module (PAM module).
				Lock protection	When overcurrent is detected within 30 seconds of compressor start-up	
12		3 times	Goes out	Discharge temperature protection	When discharge temperature exceeds 240.8°F during operation. Compressor can restart if discharge temperature thermistor reads 212°F or less 3 minutes later.	• Check the amount of gas and refrigerant circuit. • Refer to 12-6.Ⓓ "Check of LEV".
13		4 times	Goes out	Fin temperature protection	When the fin temperature exceeds 188.6°F during operation.	•Check refrigerant circuit and refrigerant amount. •Refer to 12-6.Ⓖ "Check of outdoor fan motor".
				P.C. board temperature protection	When the P.C. board temperature exceeds 158°F during operation.	
14		5 times	Goes out	High-pressure protection	When high-pressure is detected with the high-pressure switch (HPS) during operation. (**MXZ-3A30NA , MXZ-3A30NA -[1] , MXZ-4A36NA**)	• Check around of gas and the refrigerant circuit. • Check of stop valve.
					When the outdoor heat exchanger temperature exceeds 158°F during cooling or when indoor gas pipe temperature exceeds 158°F during heating.	
15		8 times	Goes out	Converter protection	When a failure is detected in the operation of the converter during operation.	• Replace the power board.
16		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. • Replace the power board or the outdoor electronic control P.C. board. • Refer to 12-6. Ⓙ "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.	
17		13 times	Goes out	Outdoor fan motor	When failure occurs continuously three times within 30 seconds after the fan gets started.	• Refer to 12-6.Ⓖ "Check of outdoor fan motor".
18		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.
19		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.
20		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.

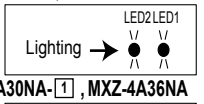
NOTE 1. The location of LED is illustrated at the right figure. Refer to 12-7.1.
2. LED is lighted during normal operation.

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

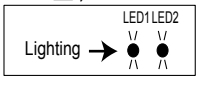


Outdoor electronic control P.C. board (Parts side)

MXZ-2A20NA, MXZ-2A20NA-[1], MXZ-2A20NA-[2]
MXZ-3A30NA



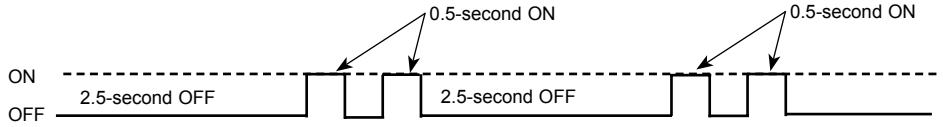
MXZ-3A30NA-[1] , MXZ-4A36NA



No.	Symptom	Indication		Abnormal point / Condition	Condition	Remedy
		LED1(Red)	LED2(Yellow)			
21	Outdoor unit operates.	Once	Lighting	Primary current protection	When the input current exceeds 15A.	These symptoms do not mean any abnormality of the product, but check the following points. • Check if indoor filters are clogged. • Check if refrigerant is short. • Check if indoor/outdoor unit air circulation is short cycled.
				Secondary current protection	When the current of the compressor exceeds 15A.	
22		Twice	Lighting	High-pressure protection	When the indoor gas pipe temperature exceeds 113°F during heating.	
				Defrosting in cooling	When the indoor gas pipe temperature falls 37.4°F or below during cooling.	
23		3 times	Lighting	Discharge temperature protection	When the frequency of the compressor is kept 80Hz or more and the discharge temperature is kept under 122°F(COOL mode) /104°F(HEAT mode) for more than 40 minutes.	• Check refrigerant circuit and refrigerant amount. • Refer to 12-6.Ⓓ "Check of LEV". • Refer to 12-6.Ⓕ "Check of outdoor thermistors".
24		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 102.2°F for more than 20 minutes.	• Refer to 12-6.Ⓓ "Check of LEV". • Check refrigerant circuit and refrigerant amount.
25		5 times	Lighting	Cooling high-pressure protection	When the outdoor heat exchanger temperature exceeds 136.4°F during operation.	This symptom does not mean any abnormality of the product, but check the following points. • Check if indoor filters are clogged. • Check if refrigerant is short. • Check if indoor/outdoor unit air circulation is short cycled.
26	Outdoor unit operates normally.	9 times	Lighting	Inverter check mode	When the unit is operated with emergency operation switch.	–
27		Lighting	Lighting	Normal	–	–

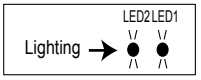
NOTE 1. The location of LED is illustrated at the right figure. Refer to 12-7.1.
2. LED is lighted during normal operation.

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

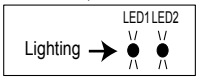


Outdoor electronic control P.C. board(Parts side)

MXZ-2A20NA, MXZ-2A20NA-[1], MXZ-2A20NA-[2]
MXZ-3A30NA



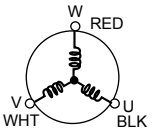
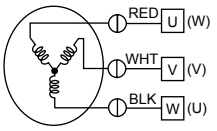
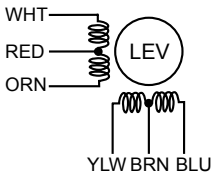
MXZ-3A30NA-[1], MXZ-4A36NA



12-5. TROUBLE CRITERION OF MAIN PARTS

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2
MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA

<table>
<tr><th>Part name</th><th>Check method and criterion</th></tr>
<tr><td>Defrost thermistor (RT61)
Fin temperature thermistor (RT64)
Ambient temperature thermistor (RT65)
Outdoor heat exchanger temperature thermistor (RT68)</td><td rowspan="2">Measure the resistance with a tester.

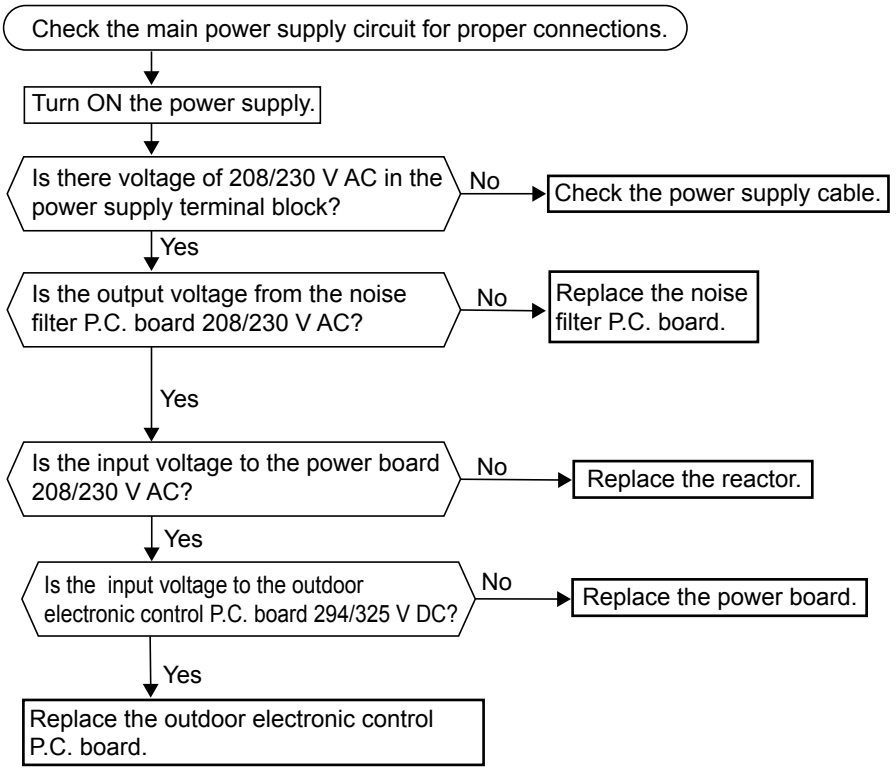
Refer to 12-7. “Test point diagram and voltage”,1. “Outdoor electronic control P.C. board”, or 3. “Outdoor power board”, for the chart of thermistor.</td></tr>
<tr><td>Gas pipe temperature thermistor (RT6A~C)
MXZ-2A20NA
MXZ-3A30NA</td></tr>
<tr><td>Discharge temperature thermistor (RT62)</td><td>Measure the resistance with a tester.
Before measurement, hold the thermistor with your hands to warm it up.
Refer to 12-7. “Test point diagram and voltage”,1. “Outdoor electronic control P.C. board”, for the chart of thermistor.</td></tr>
<tr><td>Compressor

</td><td>Measure the resistance between terminals using a tester.
(Winding temperature: 14°F ~ 104°F)
<table><tr><th colspan="3">Normal (Each phase)</th></tr><tr><th>MXZ-2A20NA</th><th>MXZ-2A20NA- 1 , 2</th><th>MXZ-3A30NA
MXZ-3A30NA - 1
MXZ-4A36NA</th></tr><tr><td>0.39 Ω ~ 0.49 Ω</td><td>0.86 Ω ~ 1.06 Ω</td><td>1.29 Ω ~ 1.49 Ω</td></tr></table></td></tr>
<tr><td>Outdoor fan motor

</td><td>Measure the resistance between lead wires using a tester.
(Part temperature: 14°F ~ 104°F)
<table><tr><th>Normal (Each phase)</th></tr><tr><td>13.4 Ω ~16.4 Ω</td></tr></table></td></tr>
<tr><td>R.V. coil</td><td>Measure the resistance using a tester. (Part temperature: 14°F ~ 104°F)
<table><tr><th>Normal</th></tr><tr><td>1.2 kΩ ~1.56 kΩ</td></tr></table></td></tr>
<tr><td>Linear expansion valve

</td><td>Measure the resistance using a tester. (Part temperature: 14°F ~ 104°F)
<table><tr><th>Color of lead wire</th><th>Normal</th></tr><tr><td>WHT - RED</td><td rowspan="4">37.4 Ω ~ 53.9 Ω</td></tr><tr><td>RED - ORN</td></tr><tr><td>YLW - BRN</td></tr><tr><td>BRN - BLU</td></tr></table></td></tr>
<tr><td>High pressure switch (HPS)
MXZ-3A30NA
MXZ-3A30NA - 1
MXZ-4A36NA</td><td><table><tr><th colspan="2">Pressure</th><th>Normal</th></tr><tr><td rowspan="2">HPS</td><td>537 ± 22 PSIG</td><td>Close</td></tr><tr><td>696^{+7}_{-15} PSIG</td><td>Open</td></tr></table></td></tr>
</table>

12-6. TROUBLESHOOTING FLOW

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2
MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA

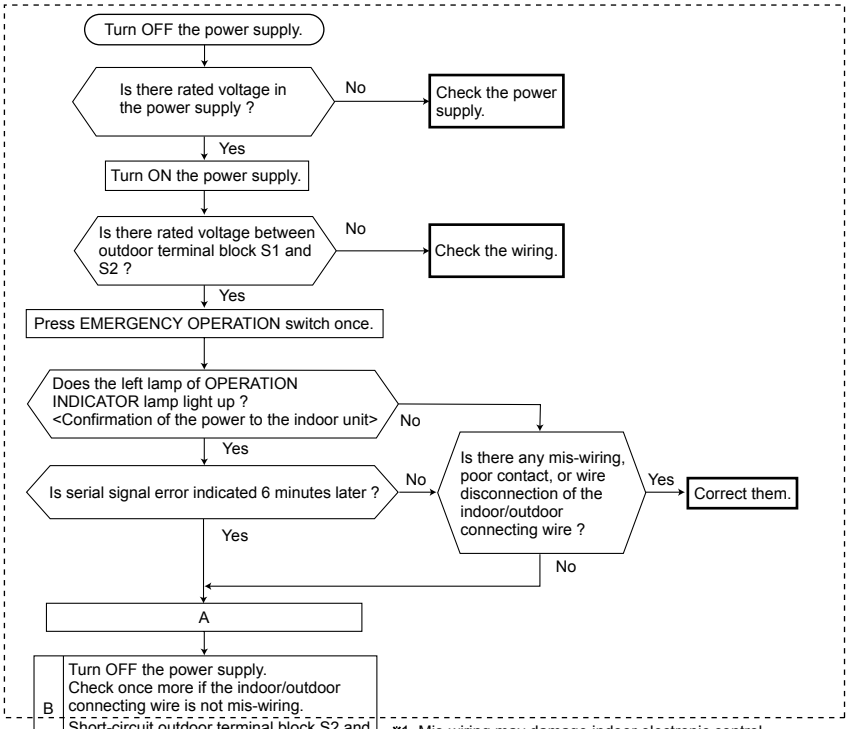
Outdoor unit does not operate.

Ⓐ 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



LED indication for communication status

Communication status is indicated by the LED.

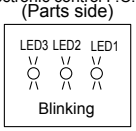
Unit status
Blinking: normal communication
Lighting: abnormal communication or not connected

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.

MXZ-2A20NA
MXZ-2A20NA -[1]
MXZ-2A20NA -[2]
MXZ-3A30NA

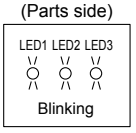
Outdoor electronic control P.C. board
(Parts side)



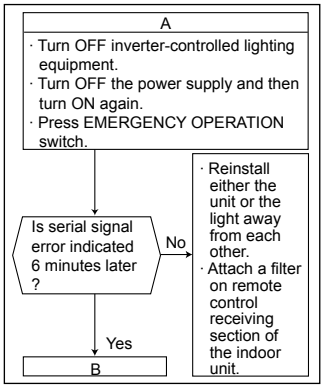
Pattern	LED 3	LED 2	LED 1
1	Lighting	Unit B status	Unit A status
2	Goes out	Lighting	Unit C status

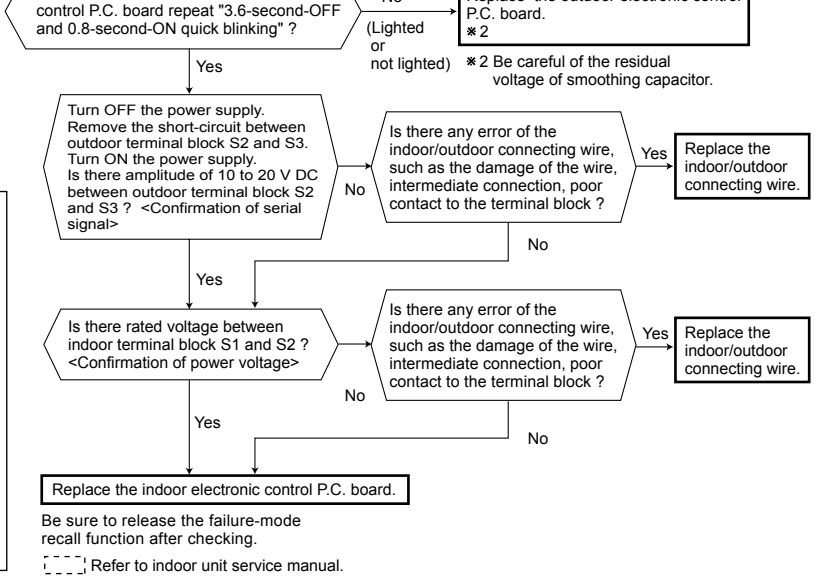
MXZ-3A30NA -[1]
MXZ-4A36NA

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



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



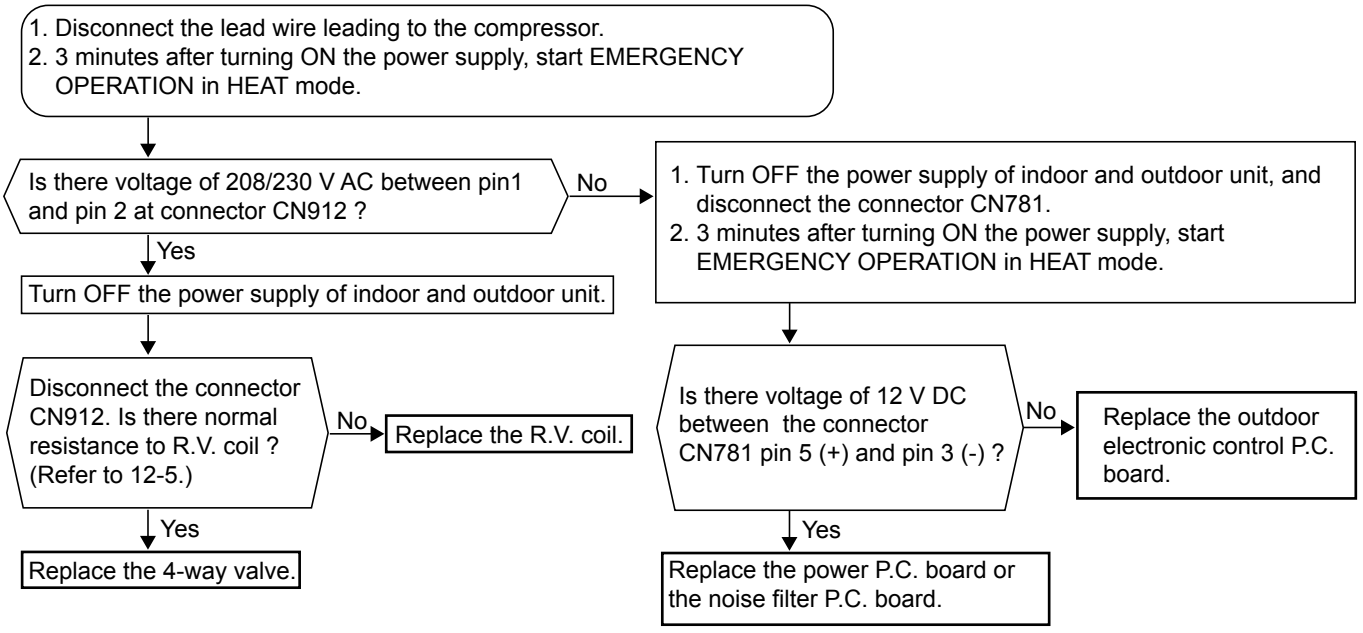


The cooling operation or heating operation does not operate.

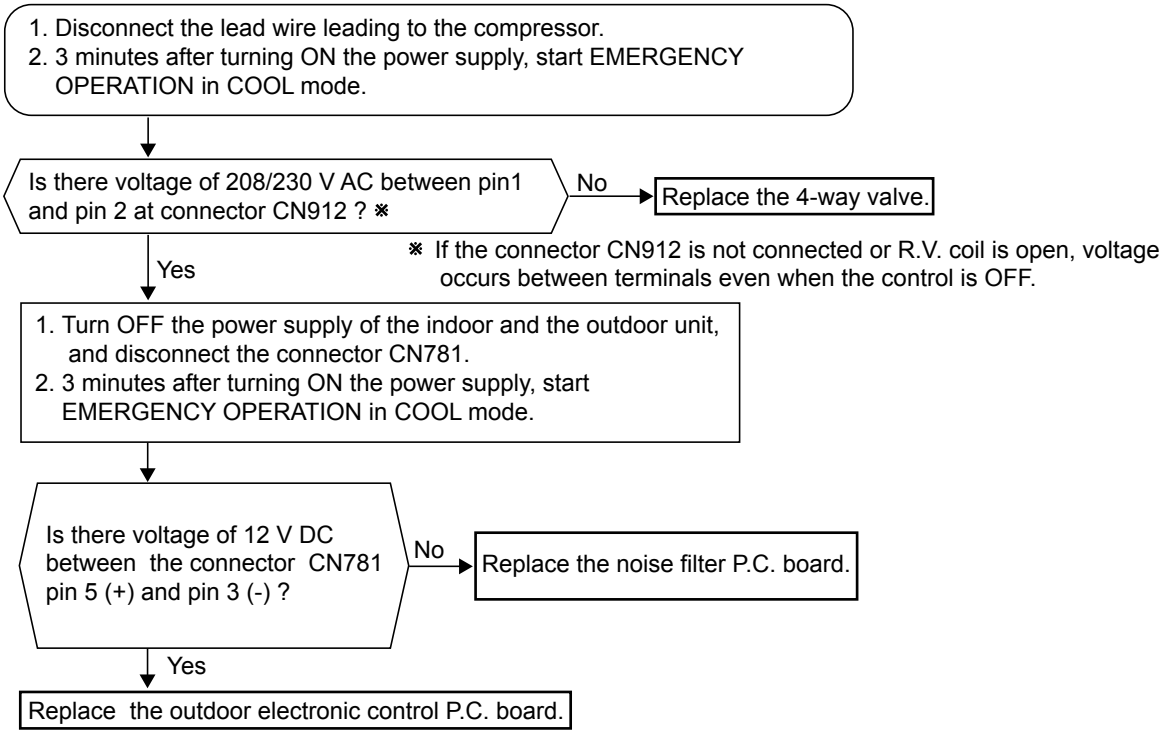
© Check of R.V. coil

CN912	Noise filter P.C. board
CN781	Outdoor electronic control P.C. board

• When heating operation does not work.

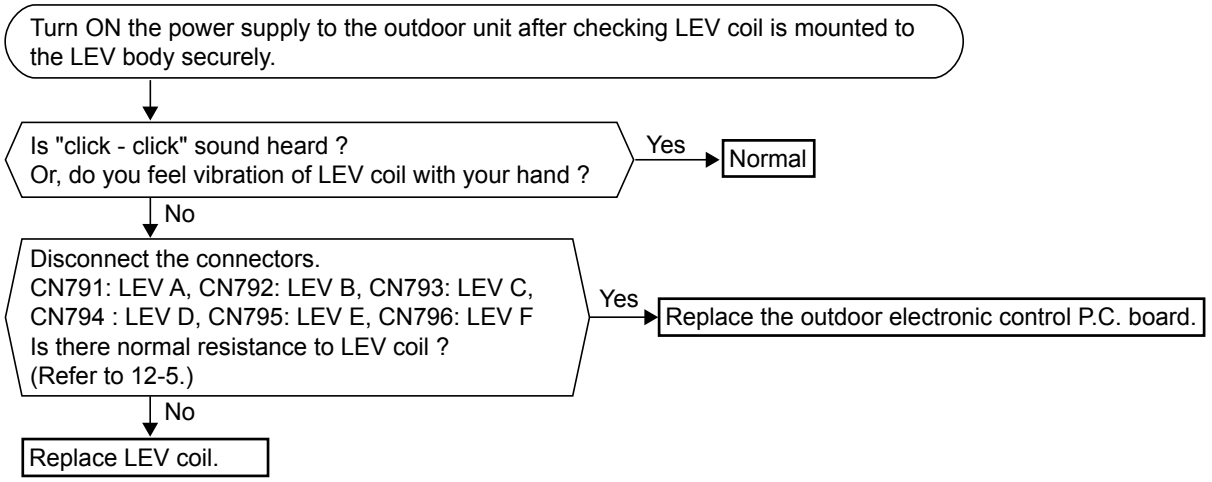


• When cooling operation does not work.



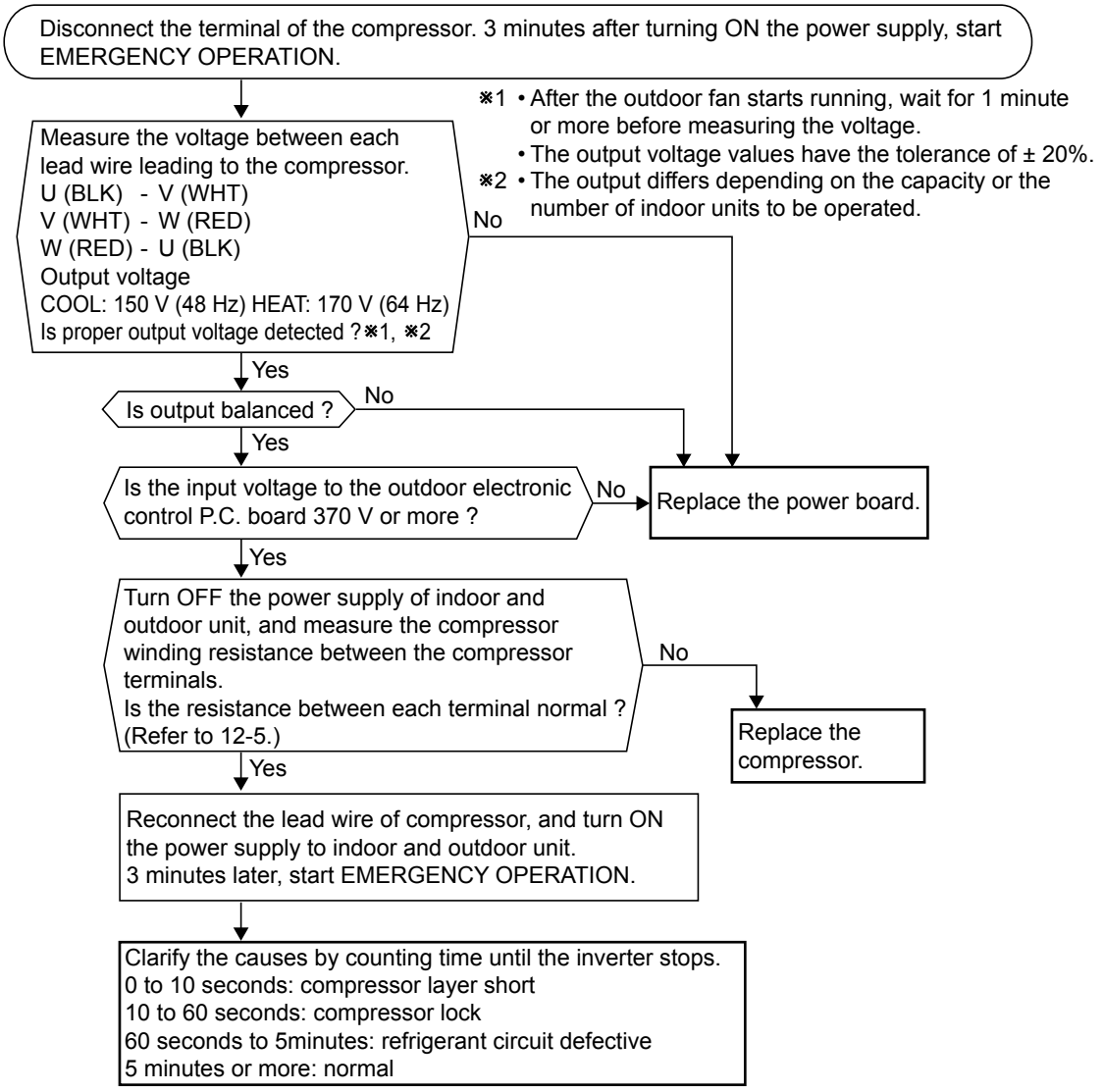
• When cooling, heat exchanger of non-operating indoor unit frosts.
• When heating, non-operating indoor unit get warm.

Ⓓ Check of LEV



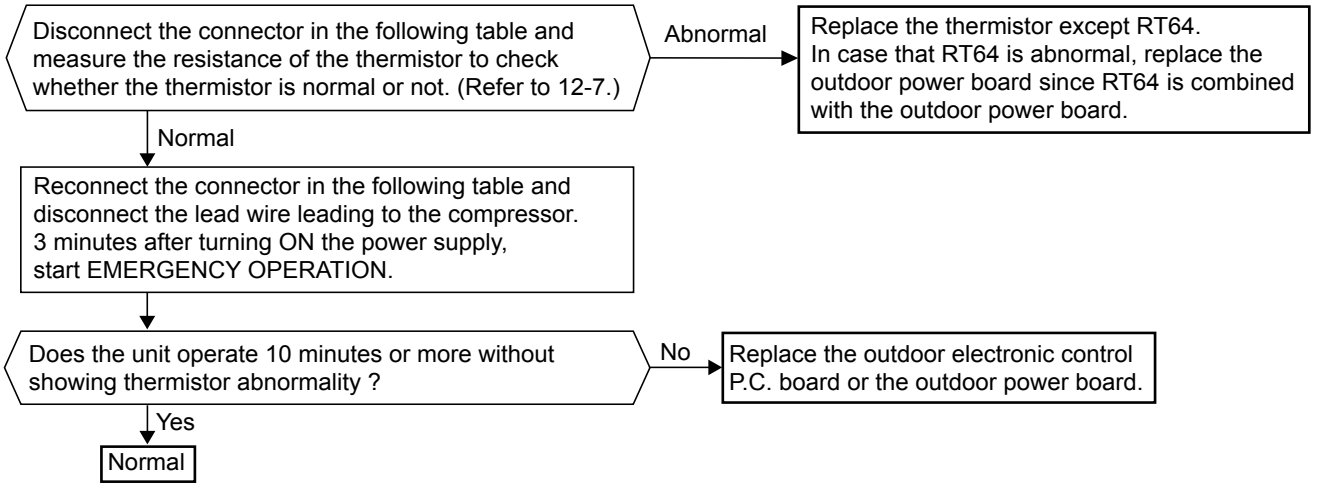
• When heating, room does not get warm.
• When cooling, room does not get cool.

Ⓔ How to check inverter/compressor



• When thermistor is abnormal.

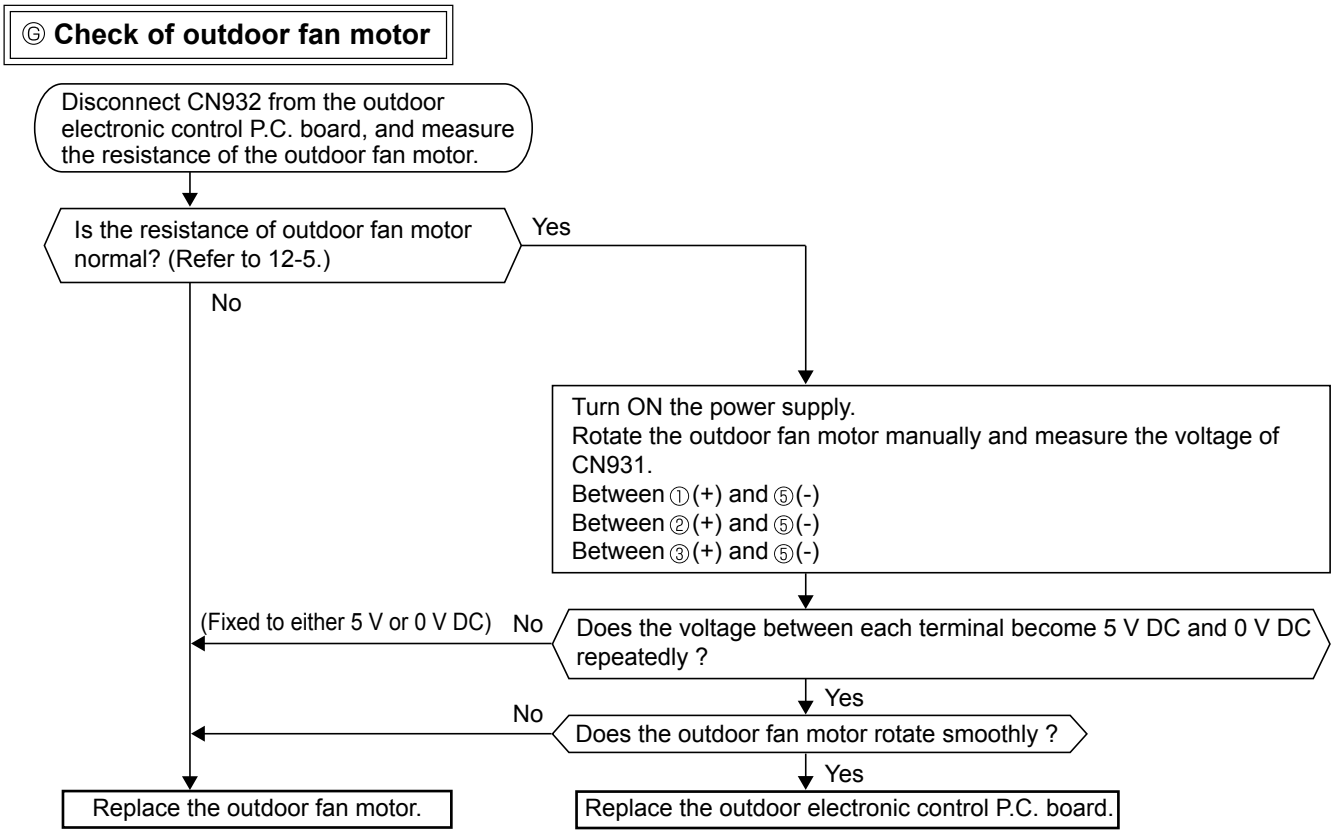
Ⓕ Check of outdoor thermistors



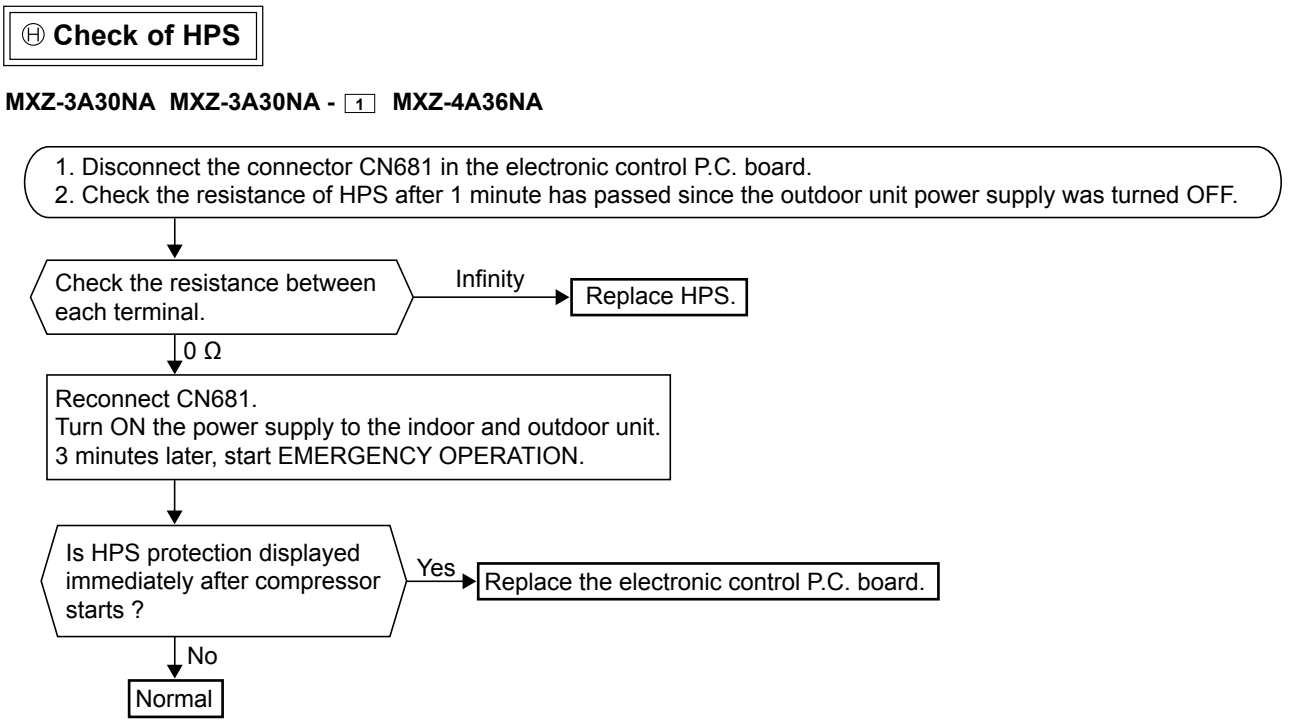
Thermistor	Symbol	Connector, Pin No.	Board
Defrost	RT61	Between CN661 pin1 and pin2	Outdoor electronic control P.C. board
Discharge temperature	RT62	Between CN661 pin3 and pin4	
Outdoor heat exchanger temperature	RT68	Between CN661 pin7 and pin8	
Gas pipe temperature (Unit A) ※	RT6A	Between CN662 pin1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

※ Except **MXZ-2A20NA -1, MXZ-2A20NA - 2, MXZ-3A30NA - 1 and MXZ-4A36NA**

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



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

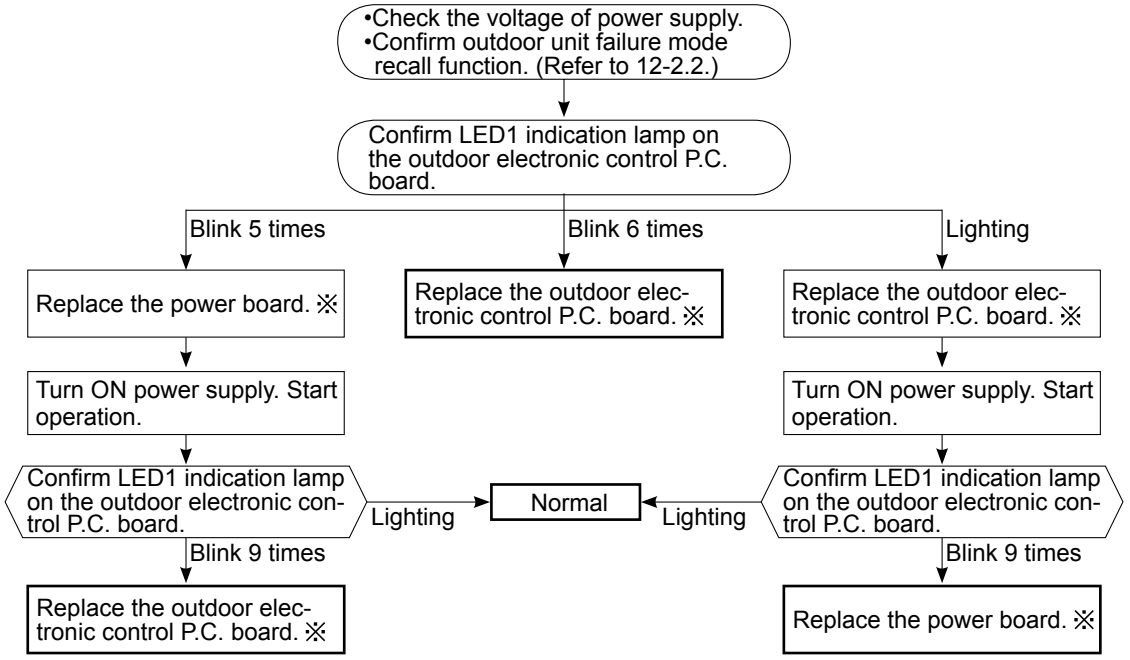


ⓘ The other cases

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

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

ⓙ Check of bus-bar voltage



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

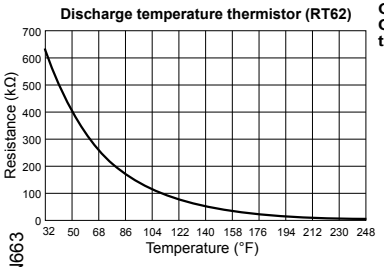
12-7. TEST POINT DIAGRAM AND VOLTAGE

1. Outdoor electronic control P.C. board

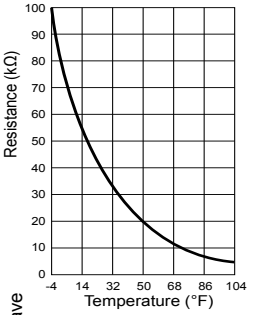
MXZ-2A20NA MXZ-2A20NA - 1

MXZ-2A20NA - 2 MXZ-3A30NA

Discharge temperature thermistor (RT62)

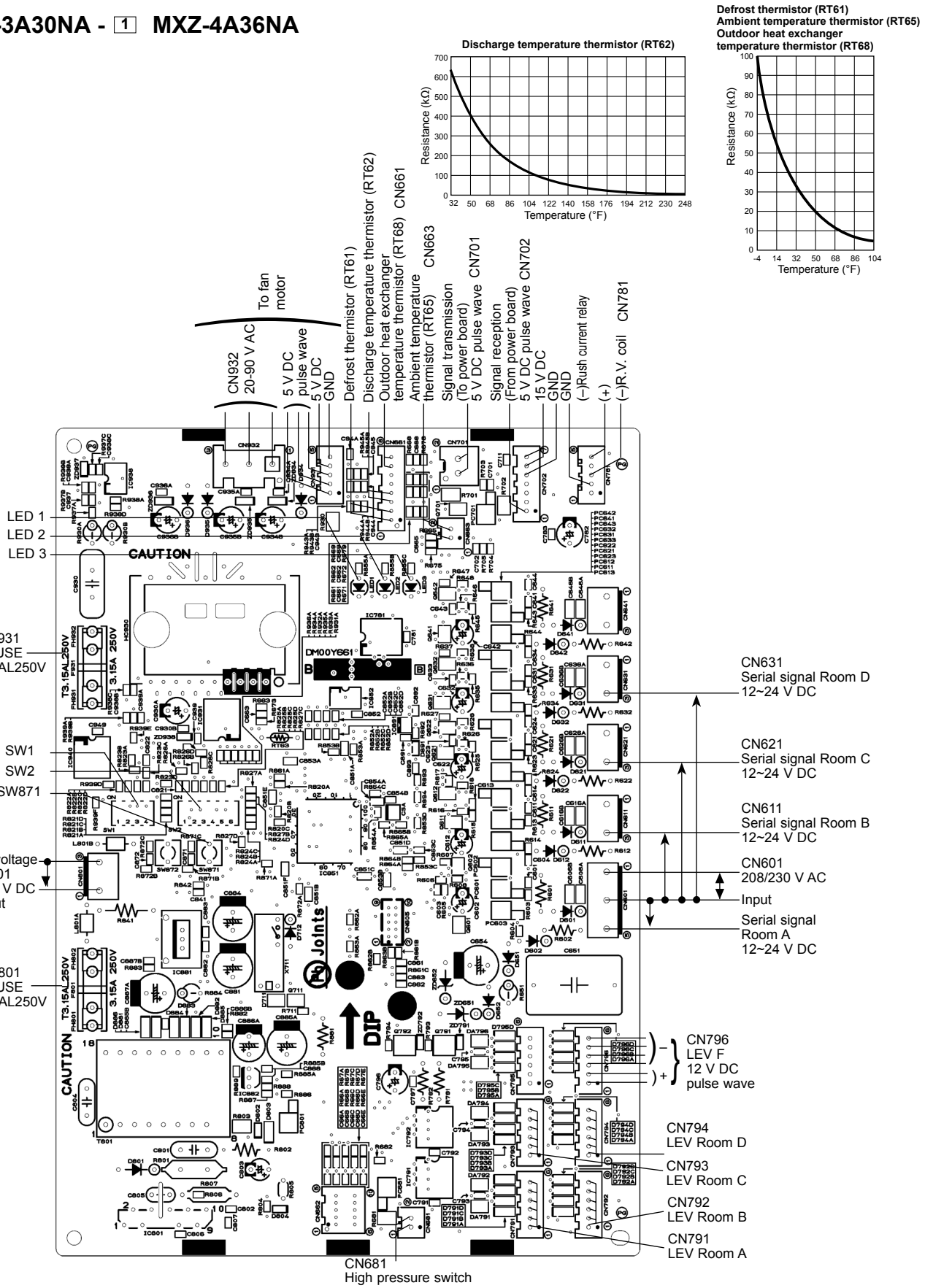


Defrost thermistor (RT61)
Ambient temperature thermistor (RT65)
Gas pipe temperature thermistor (RT6A,6B,6C)※
Outdoor heat exchanger temperature thermistor (RT68)



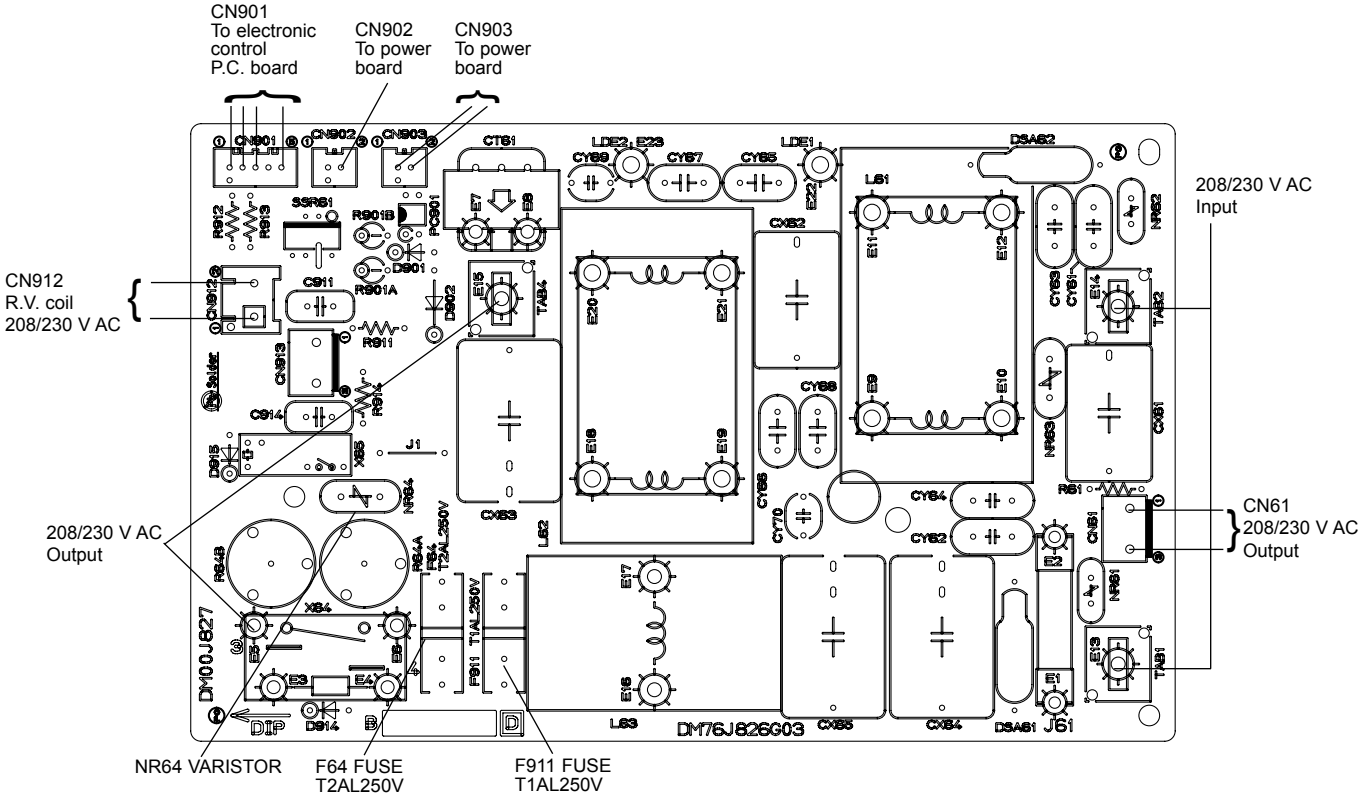
※ Except MXZ-2A20NA - 1, 2.

MXZ-3A30NA - 1 MXZ-4A36NA

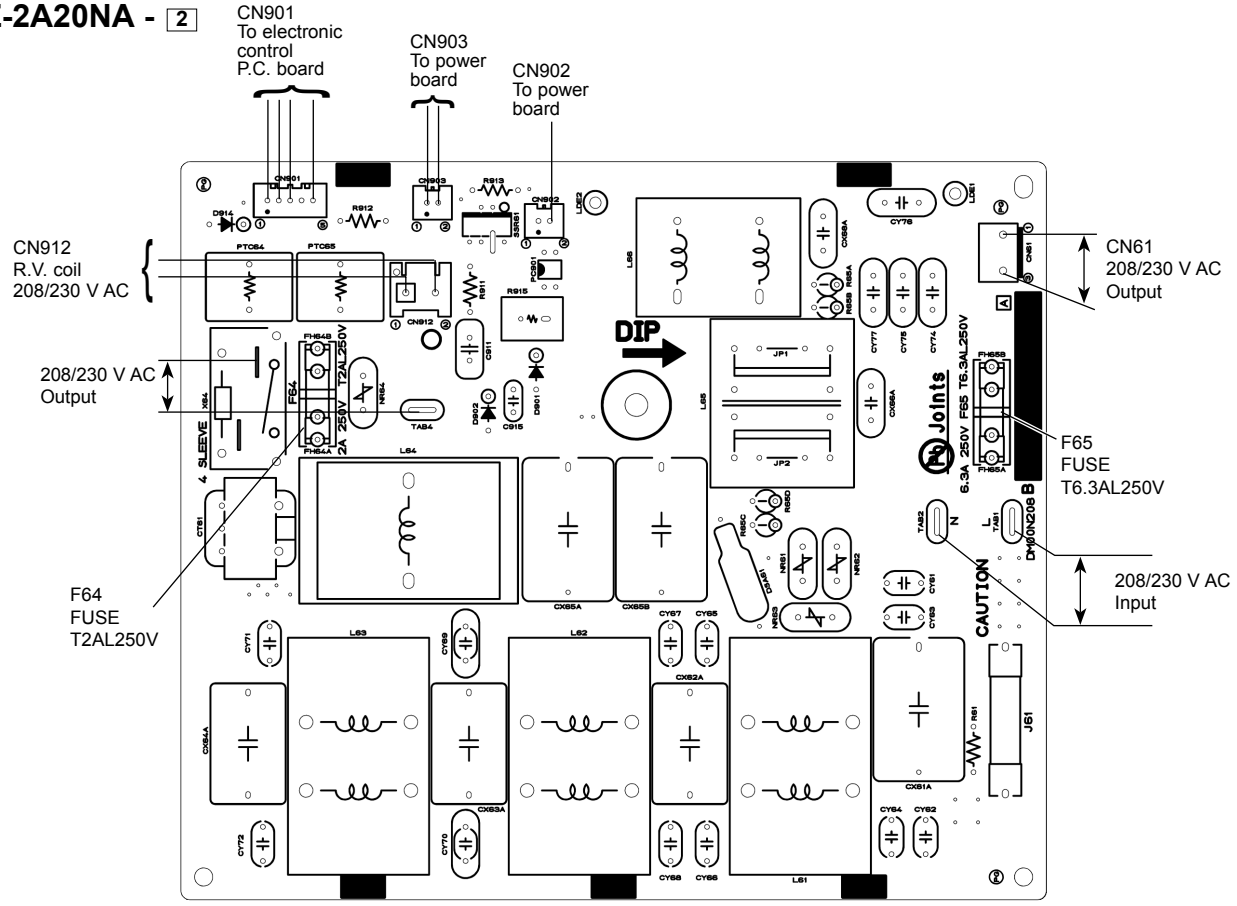


2. Noise filter P.C. board

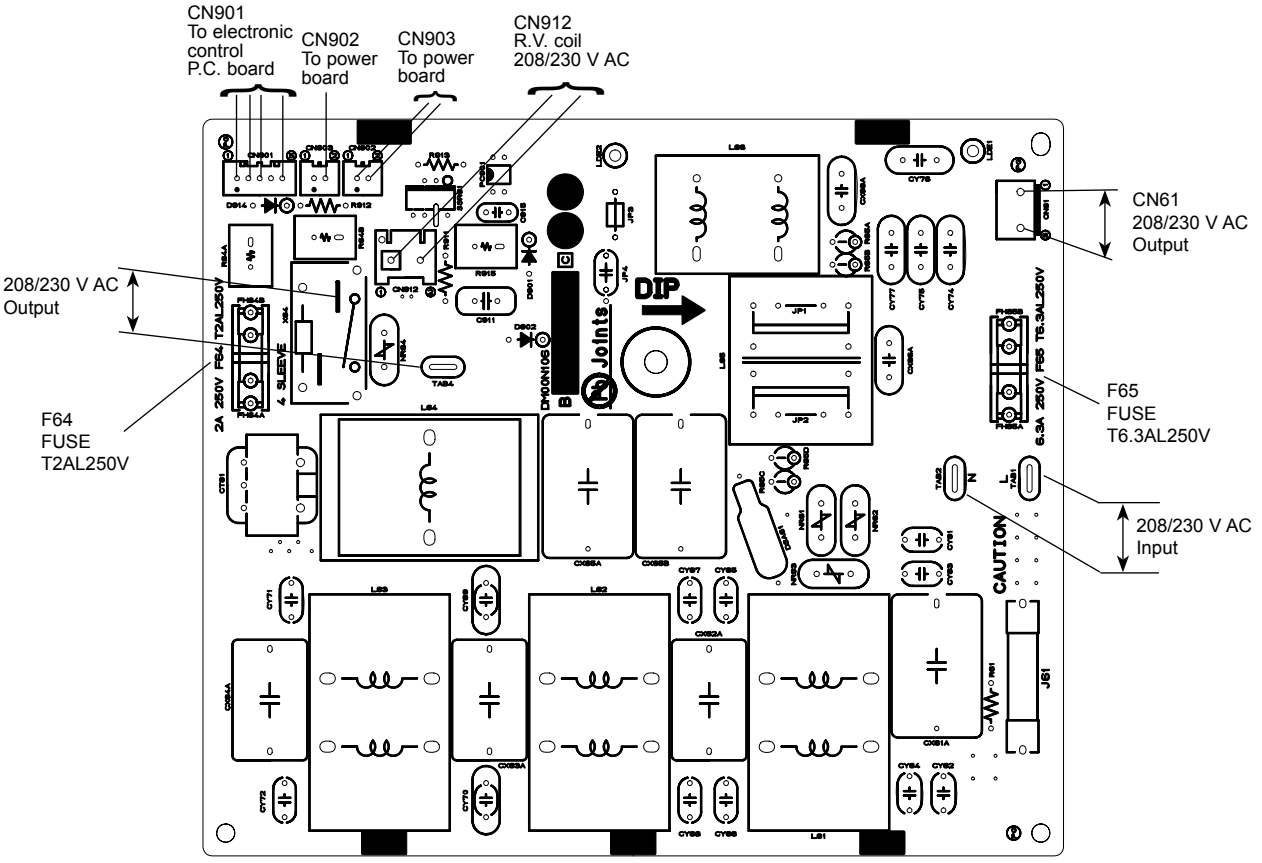
MXZ-2A20NA MXZ-2A20NA - 1 MXZ-3A30NA



MXZ-2A20NA - 2



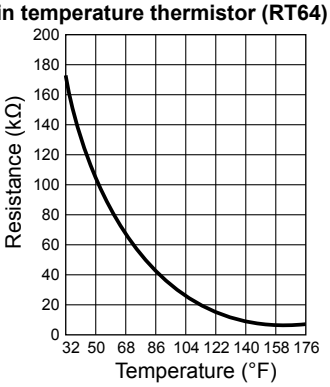
MXZ-3A30NA - 1 MXZ-4A36NA



3. Outdoor Power board

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2
MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA

Fin temperature thermistor (RT64)



294-370 V DC Output
(Red) (+) 1
(–) 3 (White)

Connect to the compressor
Voltage among phases:
5 V to 180 V

Connect to the earth

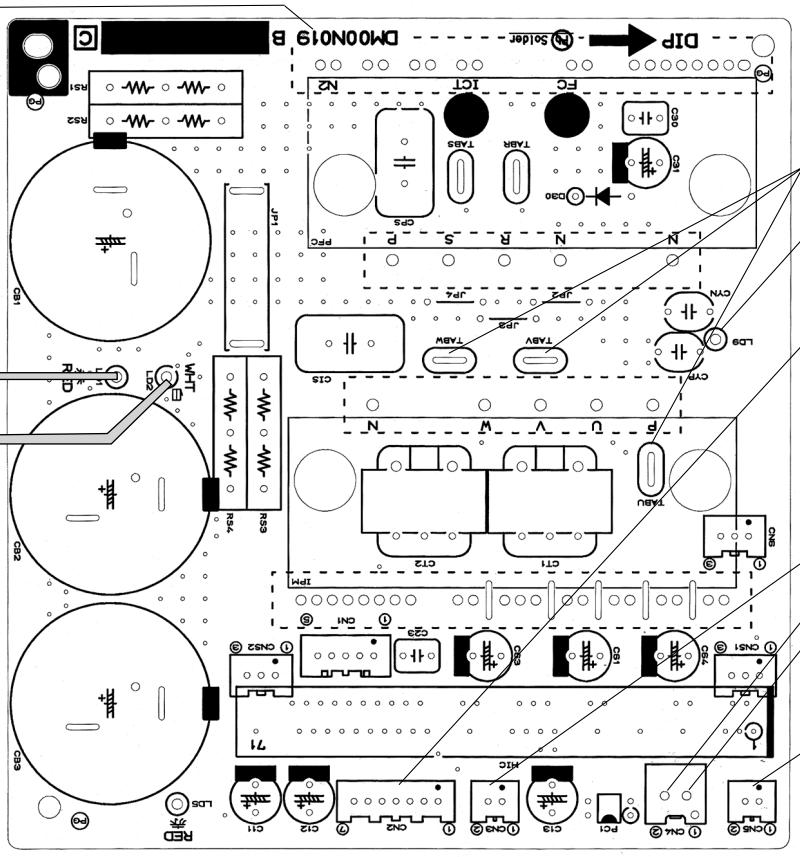
CN2
Connect to the controller board
(+)1-5(–): Signal transmission
(To electronic control P.C. board)
5 V DC pulse wave
(+)2-5(–): Zero cross signal
3-4 : Not used
(+)6-5(–): 15 V
(+)7-5(–): 15 V

CN3
Fin temperature thermistor RT64

Signal reception (From electronic control P.C. board)
5 V DC pulse wave

CN5
Primary current detection
(Connect to the noise filter)

DM00N019 or DM00N095



294-370 V DC Output
(Red) (+) 1
(–) 3 (White)

Connect to the compressor
Voltage among phases: 5 V to 180 V

Connect to the earth

CN2
Connect to the controller board
(+)1-5(–): Signal transmission
(To electronic control P.C. board)
5 V DC pulse wave
(+)2-5(–): Zero cross signal
3-4 : Not used
(+)6-5(–): 15 V
(+)7-5(–): 15 V

CN3
Fin temperature thermistor RT64

Signal reception (From electronic control P.C. board)
5 V DC pulse wave

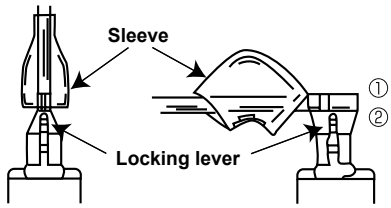
CN5
Primary current detection
(Connect to the noise filter)

13 DISASSEMBLY INSTRUCTIONS

<"Terminal with locking mechanism" Detaching points>

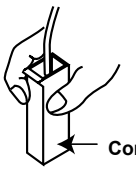
The terminal which has the locking mechanism can be detached as shown below.
There are two types (Refer to (1) and (2)) of the terminal with locking mechanism.
The terminal without locking mechanism can be detached by pulling it out.
Check the shape of the terminal before detaching.

(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.

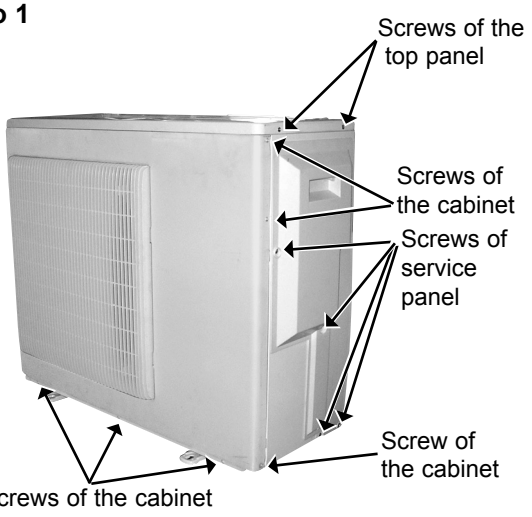
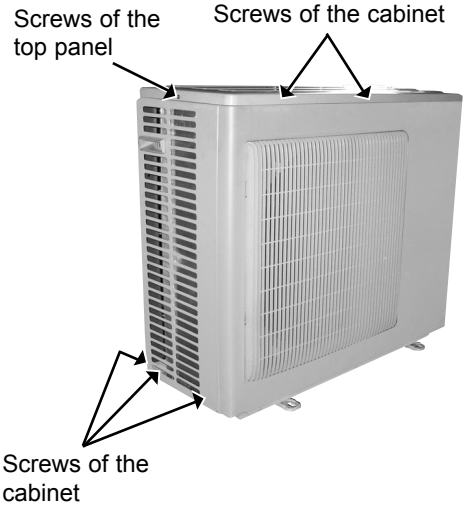
(2) The terminal with this connector has the locking mechanism.

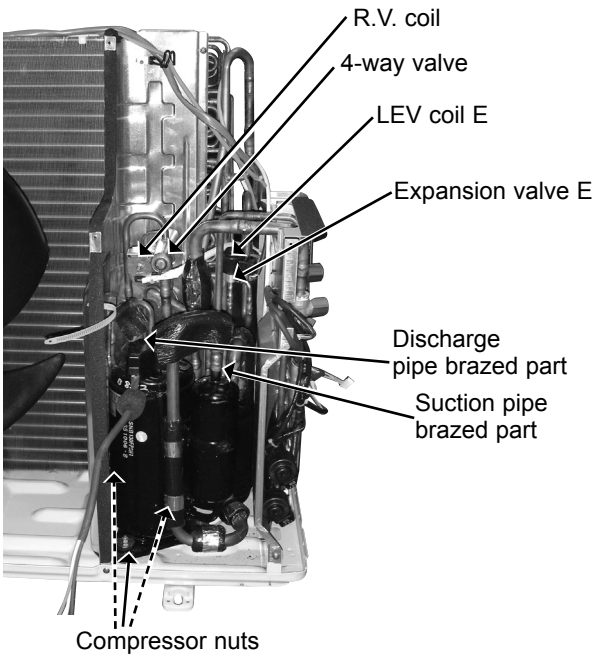
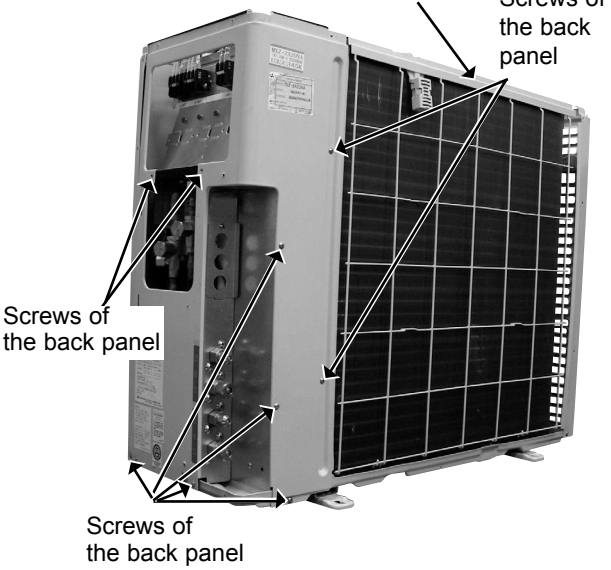
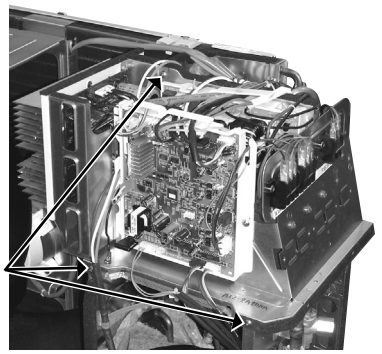
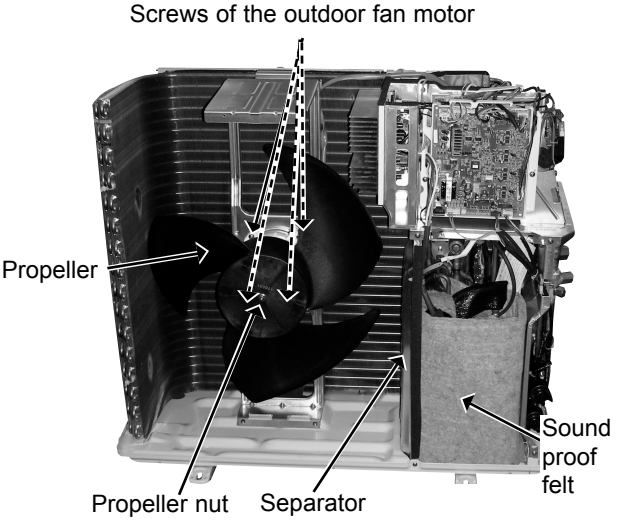


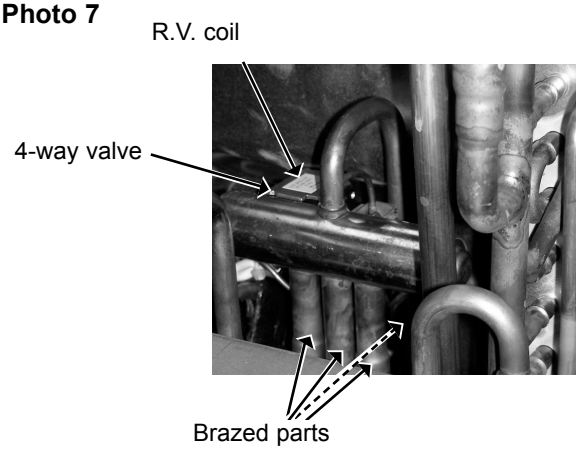
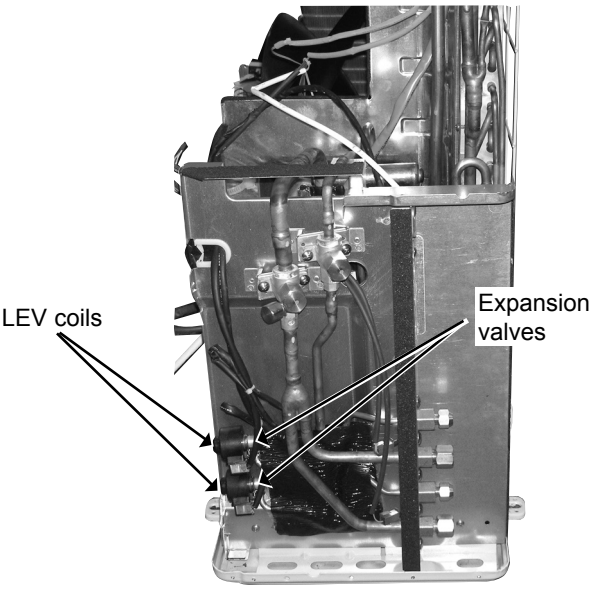
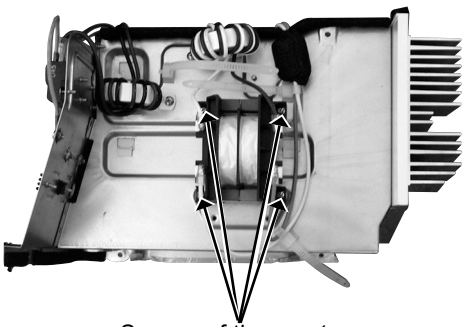
①Hold the sleeve, and pull out the terminal slowly.

13-1. MXZ-2A20NA MXZ-2A20NA - 1

NOTE: Turn OFF power supply before disassembly.

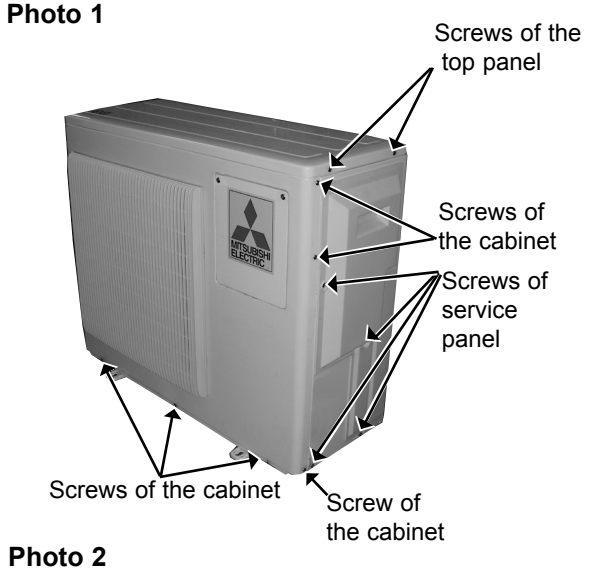
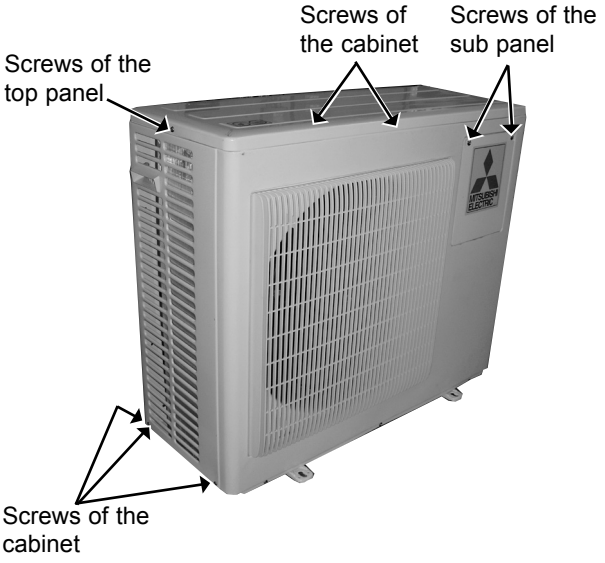
OPERATING PROCEDURE	PHOTOS
1. Removing the compressor (1)Remove the screws of the top panel, and remove the top panel. (2)Remove the screws of the service panel, and remove the service panel. (3)Recover gas from the refrigerant circuit. **NOTE :** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4)Remove the screws of the cabinet, and remove the cabinet. (5)Remove the screws of the back panel, and remove the back panel (Photo 3). (6)Disconnect the compressor lead wire from terminal of the compressor (U, V, W). (7)Disconnect the outdoor electronic control P.C. board connectors: CN661, CN662 (MXZ-2A20NA), CN663, CN791, CN792, CN795, CN931, CN932 Disconnect the noise filter P.C. board connector: CN912 (8)Remove the screws of the electrical parts, and remove the electrical parts (Photo 4). (9)Remove the propeller. (10)Remove the screws of the separator, and remove the separator (Photo 6). (11) Remove the sound proof felt (Photo 6). (12) Detach the brazed parts of the compressor suction and discharge pipes (Photo 5). (13) Remove the compressor nuts and remove the compressor.	**Photo 1**  **Photo 2** 

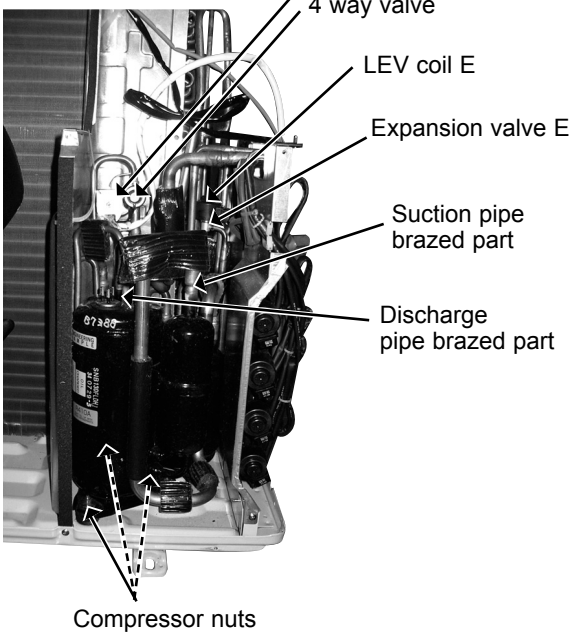
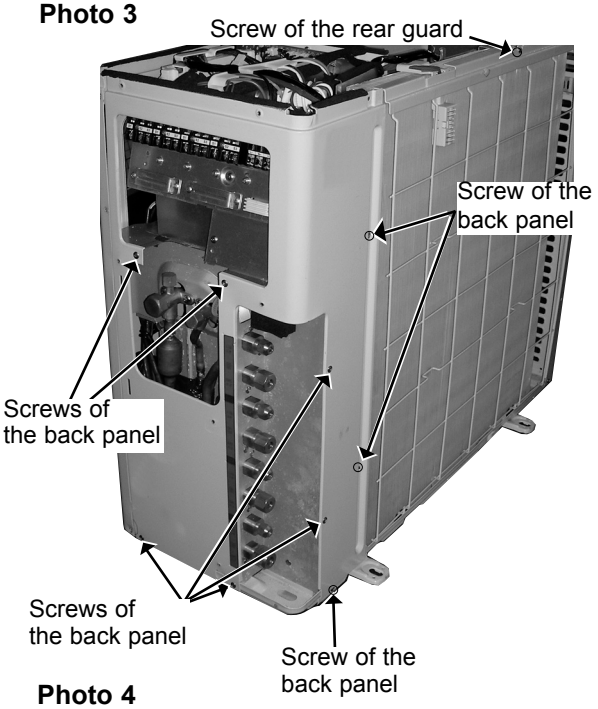
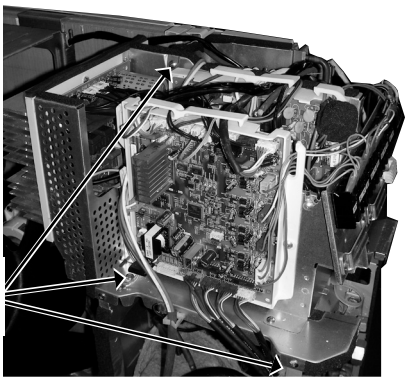
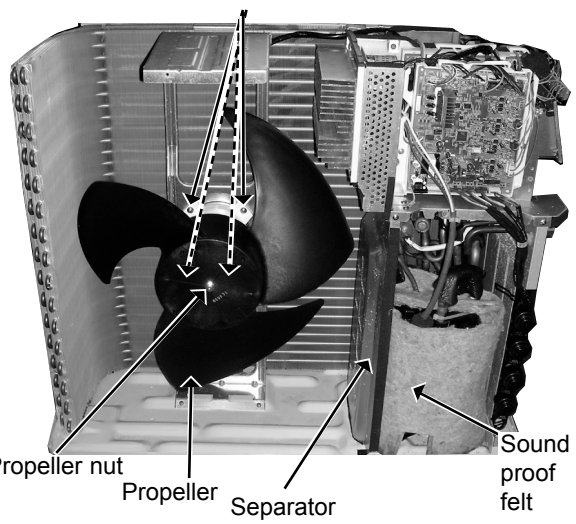
OPERATING PROCEDURE	PHOTOS
Photo 5  	**Photo 3**  **Photo 4** 
2. Removing the fan motor (1) Remove the top panel, the service panel, and the cabinet (Photo 1). (2) Disconnect the connectors CN931 and CN932 on the outdoor electronic control P.C. board. (3) Remove the propeller. (4) Remove the fan motor.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

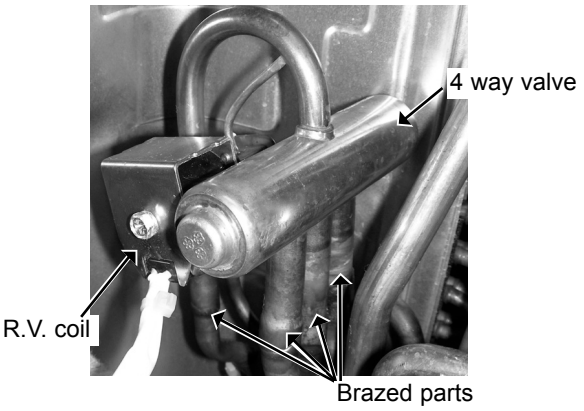
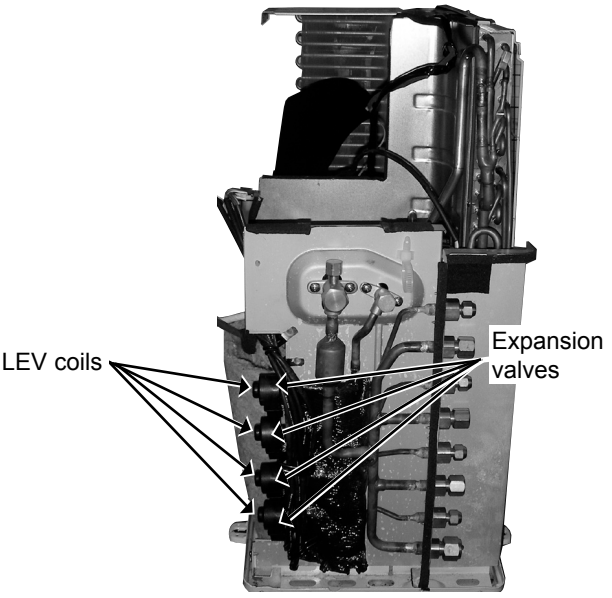
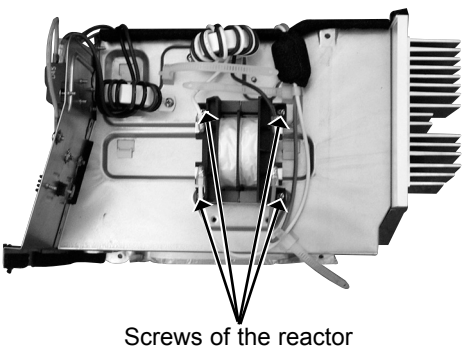
OPERATING PROCEDURE	PHOTOS
3. Removing the 4-way valve (1) Remove the top panel (Photo 1). (2) Remove the service panel, the cabinet and the back panel (Photo 1, 2, 3). (3)Recover gas from the refrigerant circuit. **NOTE :** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4) Remove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

13-2. MXZ-2A20NA - 2

NOTE: Turn OFF power supply before disassembly.

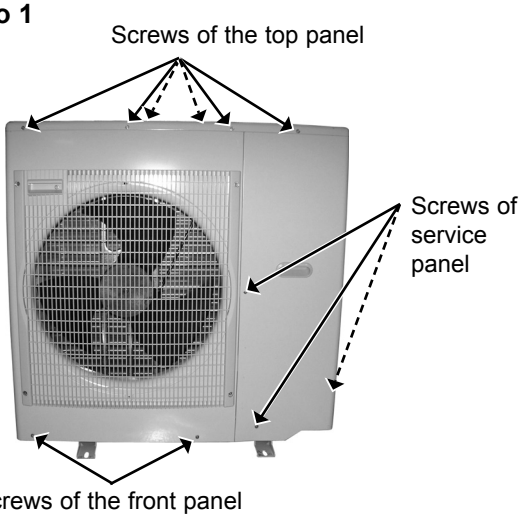
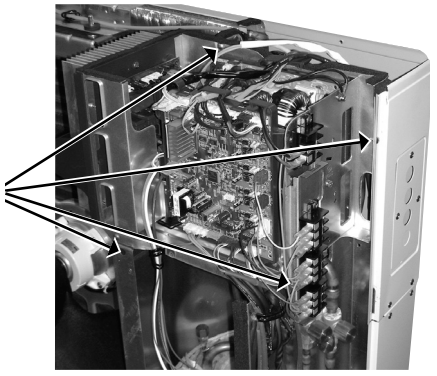
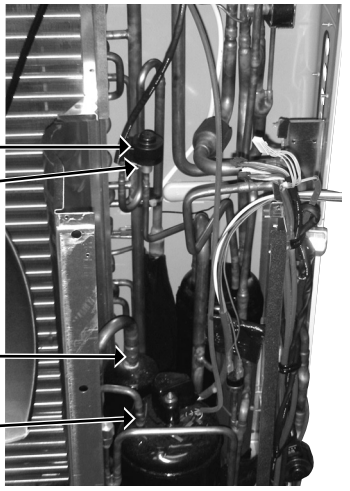
OPERATING PROCEDURE	PHOTOS
1. Removing the compressor (1) Remove the screws of the top panel, and remove the top panel. (2) Remove the screws of the service panel, and remove the service panel. (3) Recover gas from the refrigerant circuit. **NOTE:** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4) Remove the screws of the cabinet, and remove the cabinet. (5) Remove the screws of the back panel, and remove the back panel (Photo 3). (6) Disconnect the compressor lead wire from terminal of the compressor (U, V, W). (7) Disconnect the outdoor electronic control P.C. board connectors: CN661, CN663, CN791, CN792, CN795, CN931, CN932 Disconnect the noise filter P.C. board connector: CN912 (8) Remove the screws of the electrical parts, and remove the electrical parts (Photo 4). (9) Remove the propeller. (10) Remove the screws of the separator, and remove the separator (Photo 6). (11) Remove the sound proof felt (Photo 6). (12) Detach the brazed parts of the compressor suction and discharge pipes (Photo 5). (13) Remove the compressor nuts and remove the compressor.	**Photo 1** 
2. Removing the electronic control P.C. board (1) Remove the screws of the sub panel. (2) Remove the sub panel. (3) Disconnect all connectors and lead wires on the electronic control P.C. board. (4) Remove the electronic control P.C. board.	**Photo 2** 

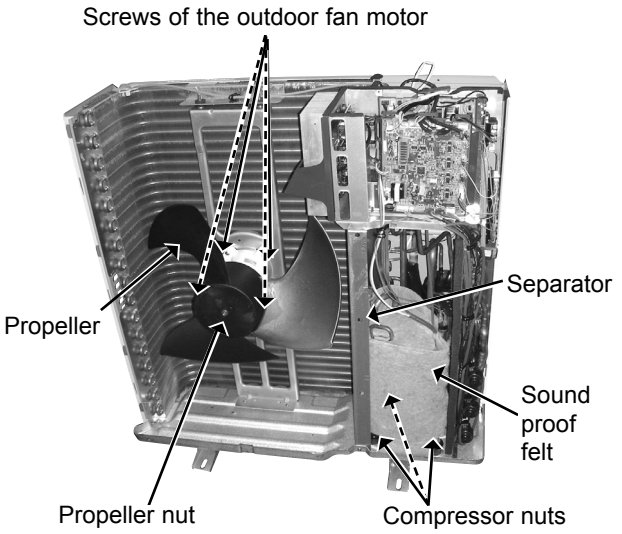
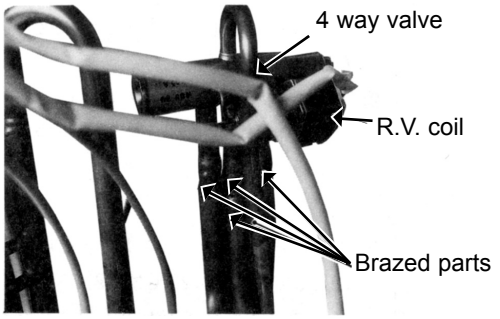
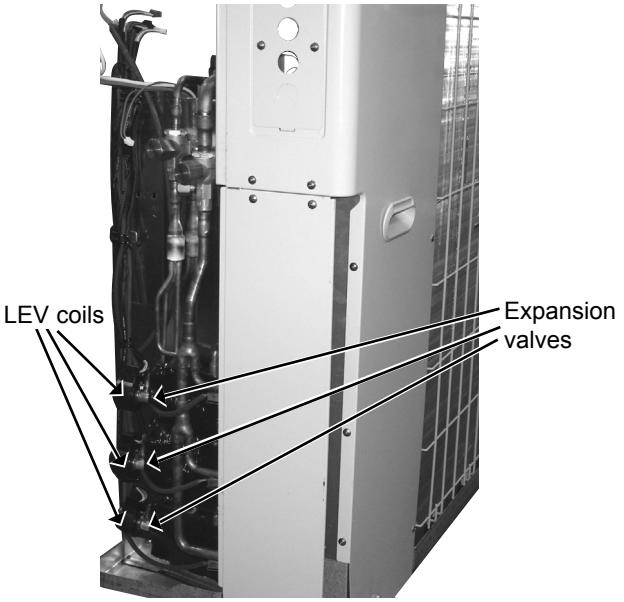
OPERATING PROCEDURE	PHOTOS
Photo 5  	**Photo 3**  **Photo 4** 
3. Removing the fan motor (1) Remove the top panel, the service panel, and the cabinet (Photo 1, 2). (2) Disconnect the connector CN931 and CN932 on the outdoor electronic control P.C. board. (3) Remove the propeller. (4) Remove the fan motor.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

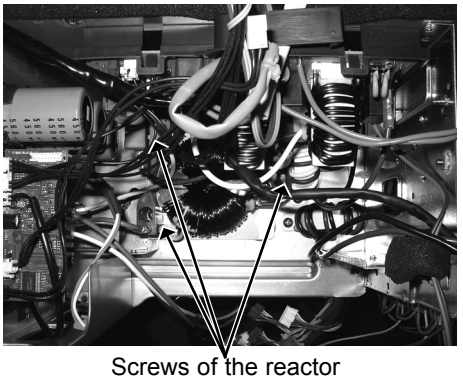
OPERATING PROCEDURE	PHOTOS
4. Removing the 4-way valve (1) Remove the top panel (Photo 1). (2) Remove the service panel, the cabinet, and the back panel (Photo 1, 2, 3). (3) Recover gas from the refrigerant circuit. **NOTE:** Recover gas from the pipes until the pressure gauge shows PSIG. (4) Remove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

13-3. MXZ-3A30NA

NOTE: Turn OFF power supply before disassembly.

OPERATING PROCEDURE	PHOTOS
1. Removing the compressor (1)Remove the screws of the top panel, and remove the top panel (Photo 1). (2)Remove the screws of the service panel, and remove the service panel (Photo 1). (3)Recover gas from the refrigerant circuit. **NOTE :** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4)Remove the screws of the front panel, and remove the front panel. (5)Disconnect the compressor lead wire from terminal of compressor (U, V, W). (6)Disconnect the outdoor electronic control P.C. board connectors: CN661, CN662 , CN663, CN681, CN791, CN792, CN793, CN795, CN931, CN932 Disconnect the noise filter P.C. board connector: CN912 (7)Remove the screws of the electrical parts, and remove the electrical parts (Photo 2). (8)Remove the propeller. (9)Remove the screws of the separator, and remove the separator. (10) Remove the sound proof felt. (11) Detach the brazed parts of the compressor suction and discharge pipes (Photo 3). (12) Remove the compressor nuts and remove the compressor.	**Photo 1**  **Photo 2**  **Photo 3** 

OPERATING PROCEDURE	PHOTOS
2. Removing the fan motor (1) Remove the top panel, the service panel, and the front panel (Photo 1). (2) Disconnect the connectors CN931 and CN932 on the outdoor electronic control P.C. board. (3) Remove the propeller. (4) Remove the fan motor.	**Photo 4** 
3. Removing the 4-way valve (1) Remove the top panel (Photo 1). (2) Remove the service panel, rear panel, and pipe cover. (3) Recover gas from the refrigerant circuit. **NOTE :** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4) Remove the electrical parts (Photo 2). (5) Detach the brazed parts of 4-way valve and pipe.	**Photo 5** 
4. Removing the expansion valve (1) Remove the top panel (Photo 1). (2) Remove the service panel (Photo 1). (Gas recovery is not required if the unit is pumped down.) (3) Remove the front panel for removing LEV E (Photo 1, 3). (4) Remove the electrical parts for removing LEV E (Photo 2, 3). (5) Remove the LEV coils. (6) Detach the brazed parts of expansion valves and pipes.	**Photo 6** 

OPERATING PROCEDURE	PHOTOS
5. Removing the reactor (1) Remove the top panel (Photo 1). (2) Disconnect the reactor lead wire. (3) Remove the screws of the reactor, and remove the reactor.	**Photo 7**  Screws of the reactor

13-4. MXZ-3A30NA - 1 MXZ-4A36NA

NOTE: Turn OFF power supply before disassembly.

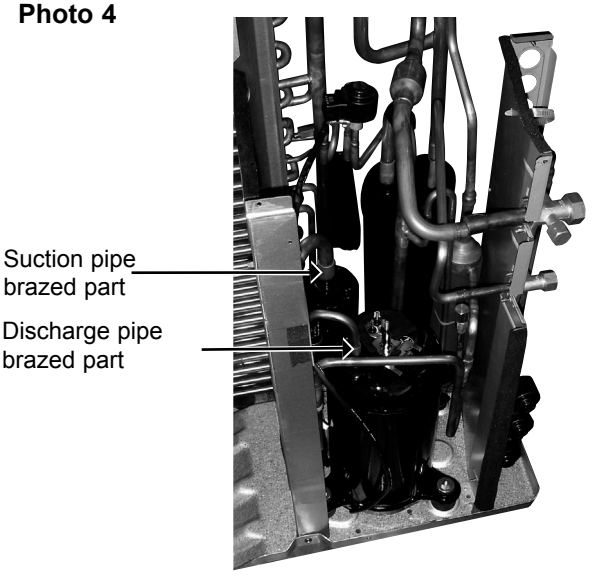
Photo : MXZ-3A30NA - 1

OPERATING PROCEDURE

1. Removing the compressor

(1)Remove the screws of the top panel, and remove the top panel.
(2)Remove the screws of the service panel, and remove the service panel.
(3)Recover gas from the refrigerant circuit.
NOTE : Recover gas from the pipes until the pressure gauge shows 0 PSIG.
(4)Remove the screws of the front panel, and remove the front panel.
(5)Remove the screws of the rear panel, and remove the rear panel.
(6)Disconnect the compressor lead wire from terminal of compressor (U, V, W).
(7)Disconnect the outdoor electronic control P.C. board connectors:
CN661, CN663, CN681, CN791, CN792, CN793, CN794 (MXZ-4A36NA), CN796, CN931, CN932
Disconnect the noise filter P.C. board connector:
CN912
(8)Remove the screws of the electrical parts, and remove the electrical parts.
(9)Remove the propeller.
(10) Remove the screws of the separator, and remove the separator.
(11) Remove the sound proof felt (Photo 5).
(12) Detach the brazed parts of the compressor suction and discharge pipes (Photo 4).
(13) Remove the compressor nuts and remove the compressor.

Photo 4



PHOTOS

Photo 1 Screws of the top panel

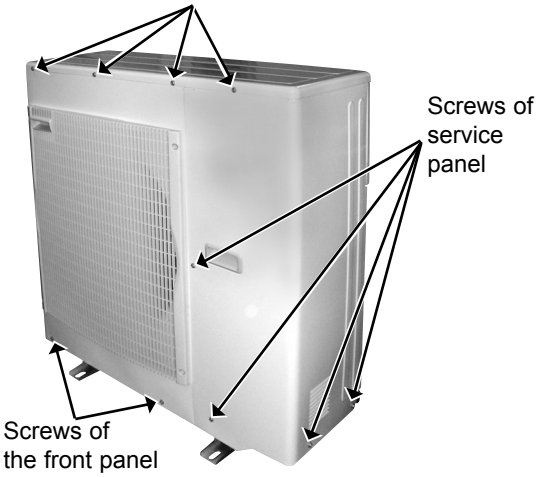


Photo 2

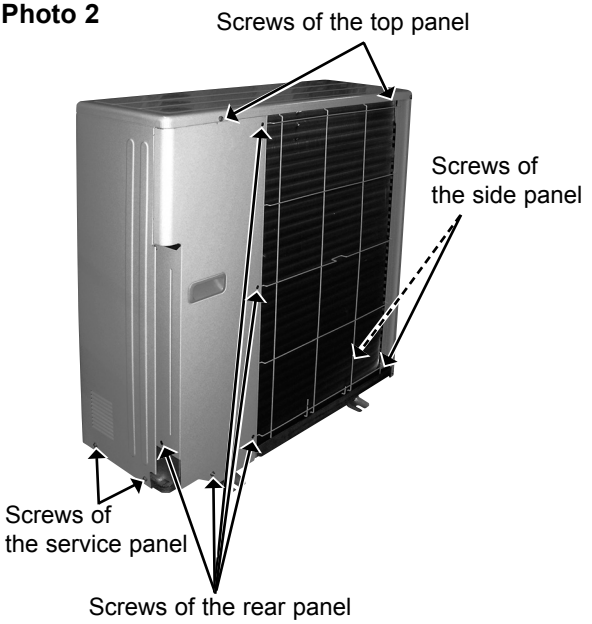


Photo 3

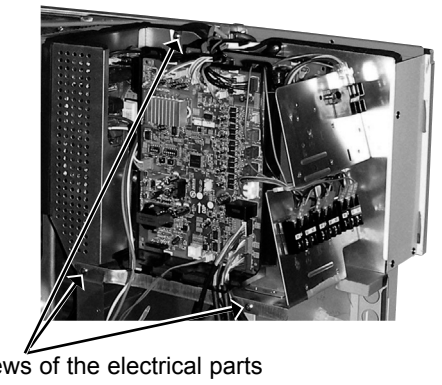


Photo : MXZ-3A30NA - 1

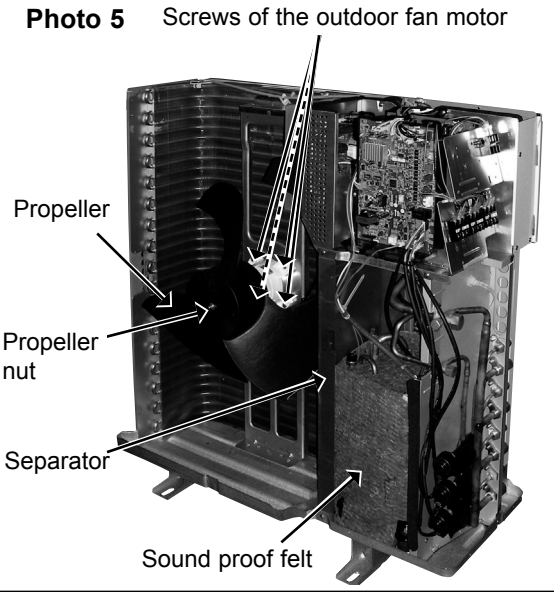
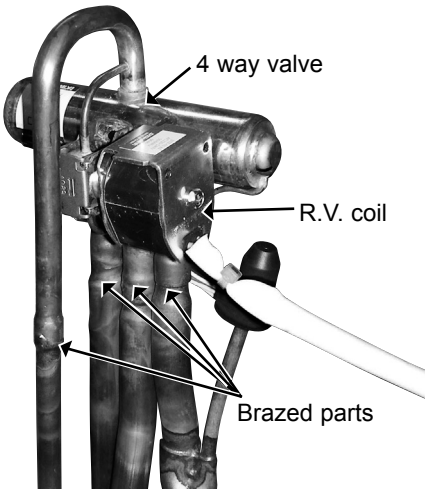
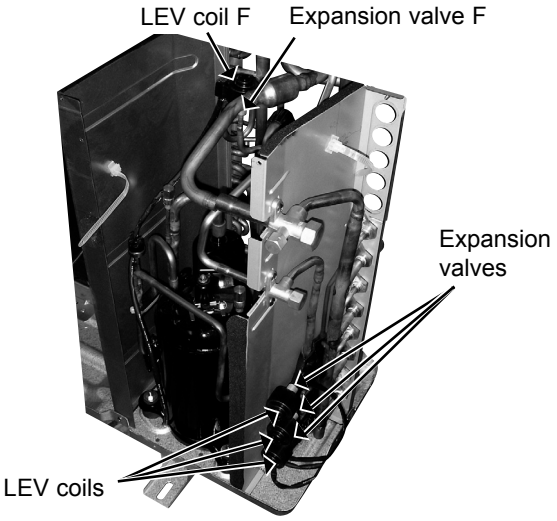
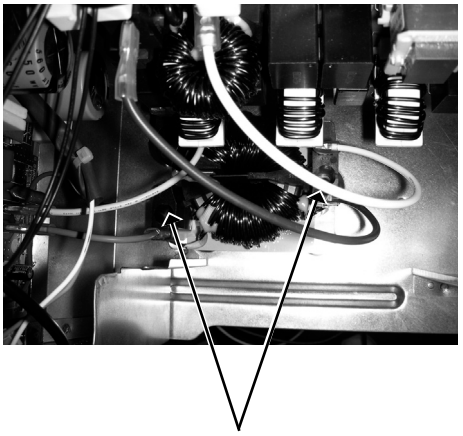
OPERATING PROCEDURE	PHOTOS
2. Removing the fan motor (1) Remove the top panel, the service panel, and the front panel (Photo 1, 2). (2) Disconnect the connectors CN931 and CN932 on the outdoor electronic control P.C. board. (3) Remove the propeller. (4) Remove the fan motor.	**Photo 5** 
3. Removing the 4-way valve (1) Remove the top panel (Photo 1, 2). (2) Remove the service panel, rear panel, and pipe cover (Photo 1,2). (3) Recover gas from the refrigerant circuit. **NOTE :** Recover gas from the pipes until the pressure gauge shows 0 PSIG. (4) Remove the electrical parts (Photo 3). (5) Detach the brazed parts of 4-way valve and pipe.	**Photo 6** 
4. Removing the expansion valve (1) Remove the top panel (Photo 1, 2). (2) Remove the service panel (Photo 1, 2). (Gas recovery is not required if the unit is pumped down.) (3) Remove the front panel for removing LEV F (Photo 1). (4) Remove the electrical parts for removing LEV F (Photo 3). (5) Remove the LEV coils. (6) Detach the brazed parts of expansion valves and pipes.	**Photo 7** 

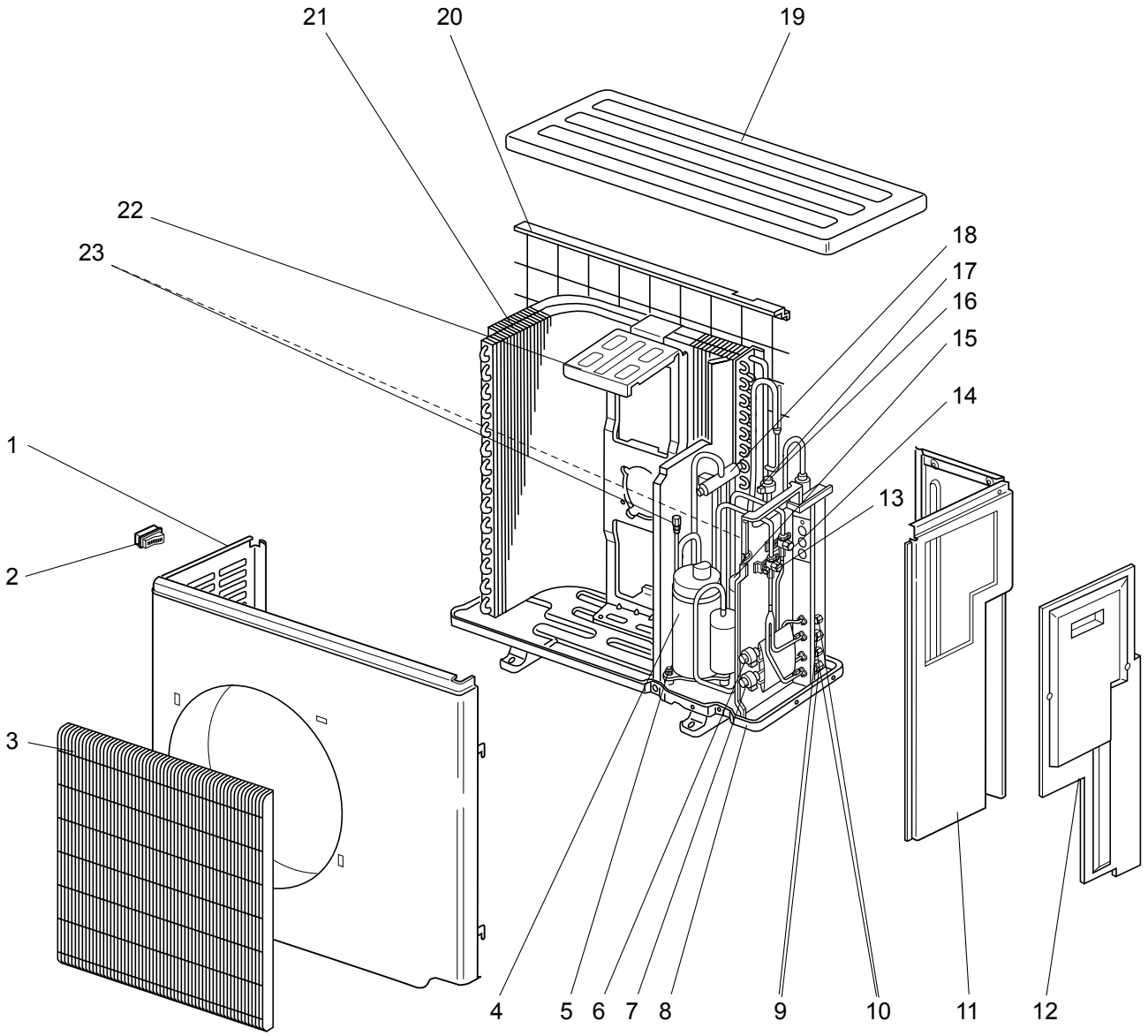
Photo : MXZ-3A30NA - 1

OPERATING PROCEDURE	PHOTOS
5. Removing the reactor (1) Remove the top panel (Photo 1, 2). (2) Disconnect the reactor lead wire. (3) Remove the screws of the reactor, and remove the reactor.	**Photo 8**  Screws of the reactor

14 PARTS LIST (non-RoHS compliant)

MXZ-2A20NA

14-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



PARTS LIST (non-RoHS compliant)

MXZ-2A20NA

14-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

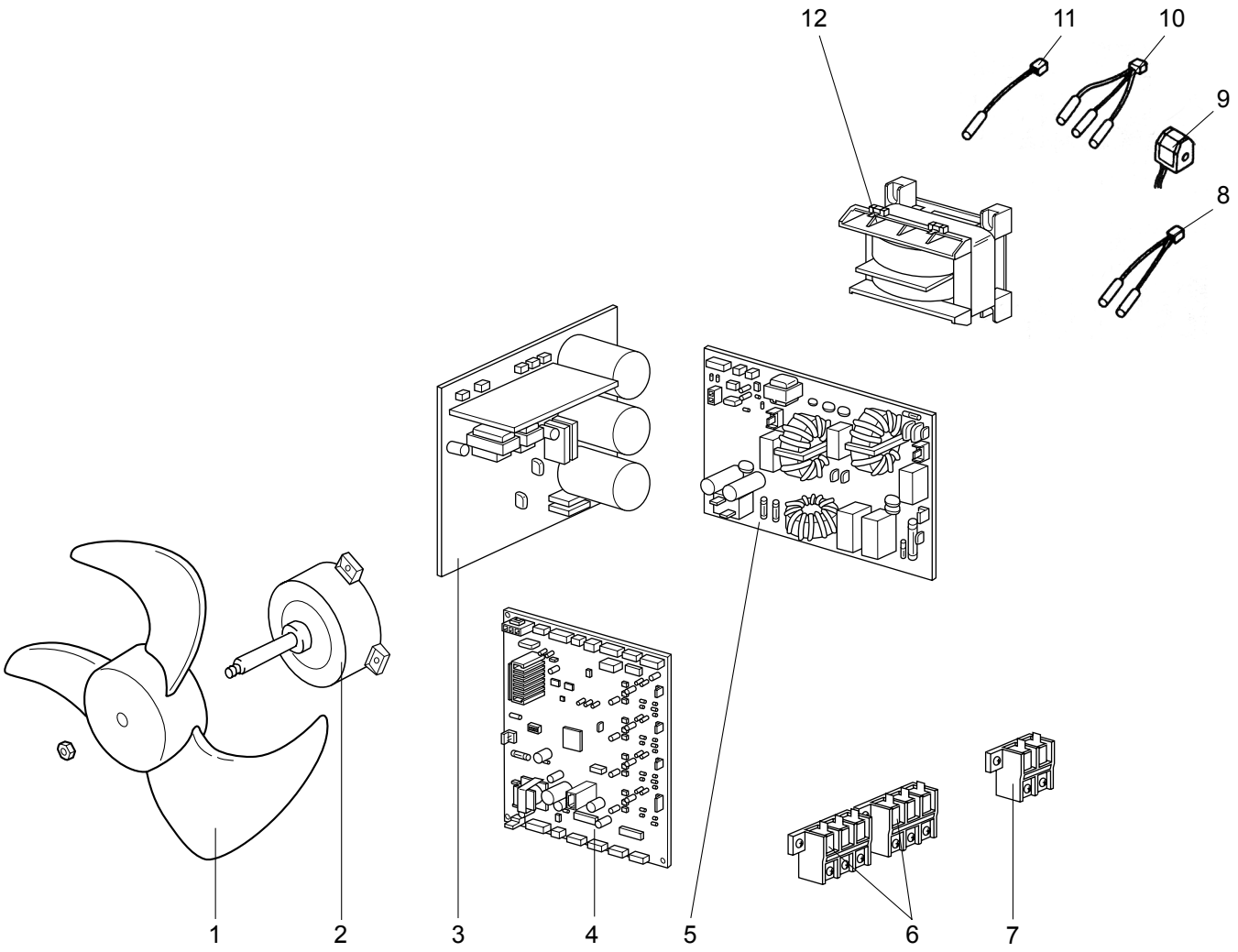
Part numbers that are circled are not shown in the illustration.

No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
				MXZ-2A20NA	
1	E02 939 232	CABINET		1	
2	E02 817 009	HANDLE		1	
3	E02 939 521	GRILLE		1	
4	E02 B05 900	COMPRESSOR	MC	1	SNB130FPDH1
5	E02 065 506	COMPRESSOR RUBBER SET		3	3 RUBBERS SET
6	E02 851 640	EXPANSION VALVE		1	B room
	E02 939 493	LEV COIL	LEV B	1	B room
7	E02 851 640	EXPANSION VALVE		1	A room
	E02 938 493	LEV COIL	LEV A	1	A room
8	E02 939 290	BASE		1	
9	E02 939 666	UNION(GAS)		2	ϕ3/8
10	E02 939 667	UNION(LIQUID)		2	ϕ1/4
11	E02 939 233	BACK PANEL		1	
12	E02 939 245	SERVICE PANEL		1	
13	E02 B05 661	BALL VALVE (GAS)		1	ϕ5/8
14	E02 939 662	BALL VALVE (LIQUID)		1	ϕ3/8
15	E02 938 959	POWER RECEIVER		1	
16	E02 819 640	EXPANSION VALVE		1	E
17	E02 819 493	LEV COIL	LEV E	1	
18	E02 A56 961	4-WAY VALVE		1	
19	E02 819 297	TOP PANEL		1	
20	E02 939 523	REAR GUARD		1	
21	E02 B05 630	HEAT EXCHANGER		1	
22	E02 939 515	MOTOR SUPPORT		1	
23	E02 A49 641	SERVICE PORT		2	
㉔	E02 938 937	CAPILLARY TUBE		8	O.D.0.14 x I.D.0.09 x 19.68
㉕	E02 939 936	CAPILLARY TUBE		2	O.D.0.16 x I.D.0.11 x 3.93
㉖	E02 938 936	CAPILLARY TUBE		1	O.D.0.10 x I.D.0.02 x 39.37
㉗	E02 B05 299	OIL SEPARATOR		1	

PARTS LIST (non-RoHS compliant)

MXZ-2A20NA

14-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



PARTS LIST (non-RoHS compliant)

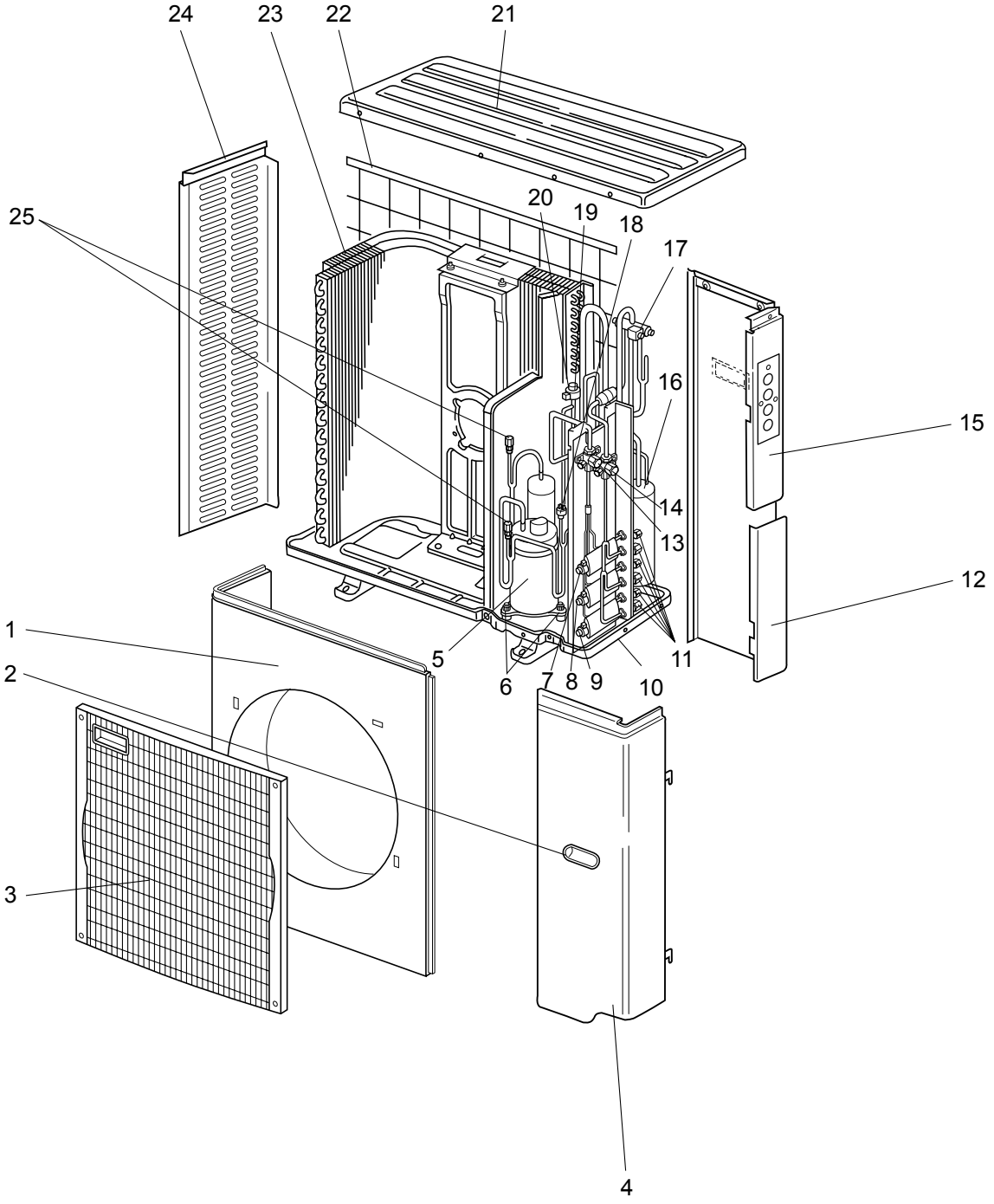
MXZ-2A20NA
14-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
				MXZ-2A20NA	
1	E02 851 501	PROPELLER		1	
2	E02 A58 301	OUTDOOR FAN MOTOR	MF	1	RC0J60-□□
3	E02 B05 440	POWER BOARD		1	Including heat sink and RT64
4	E02 B05 450	ELECTRONIC CONTROL P.C. BOARD		1	
5	E02 B05 444	NOISE FILTER P.C. BOARD		1	
6	E02 927 374	TERMINAL BLOCK	TB2,3	2	Indoor unit connecting
7	E02 A53 374	TERMINAL BLOCK	TB1	1	Power supply
8	E02 977 307	GAS PIPE TEMPERATURE THERMISTOR SET	RT6A,B	1	
9	E02 B05 490	R.V. COIL	21S4	1	
10	E02 938 308	THERMISTOR SET	RT61,62,68	1	DEFROST, DISCHARGE OUTDOOR HEAT EXCHANGER
11	E02 938 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	
12	E02 938 337	REACTOR	L	1	20A 600μH

PARTS LIST (non-RoHS compliant)

MXZ-3A30NA

14-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



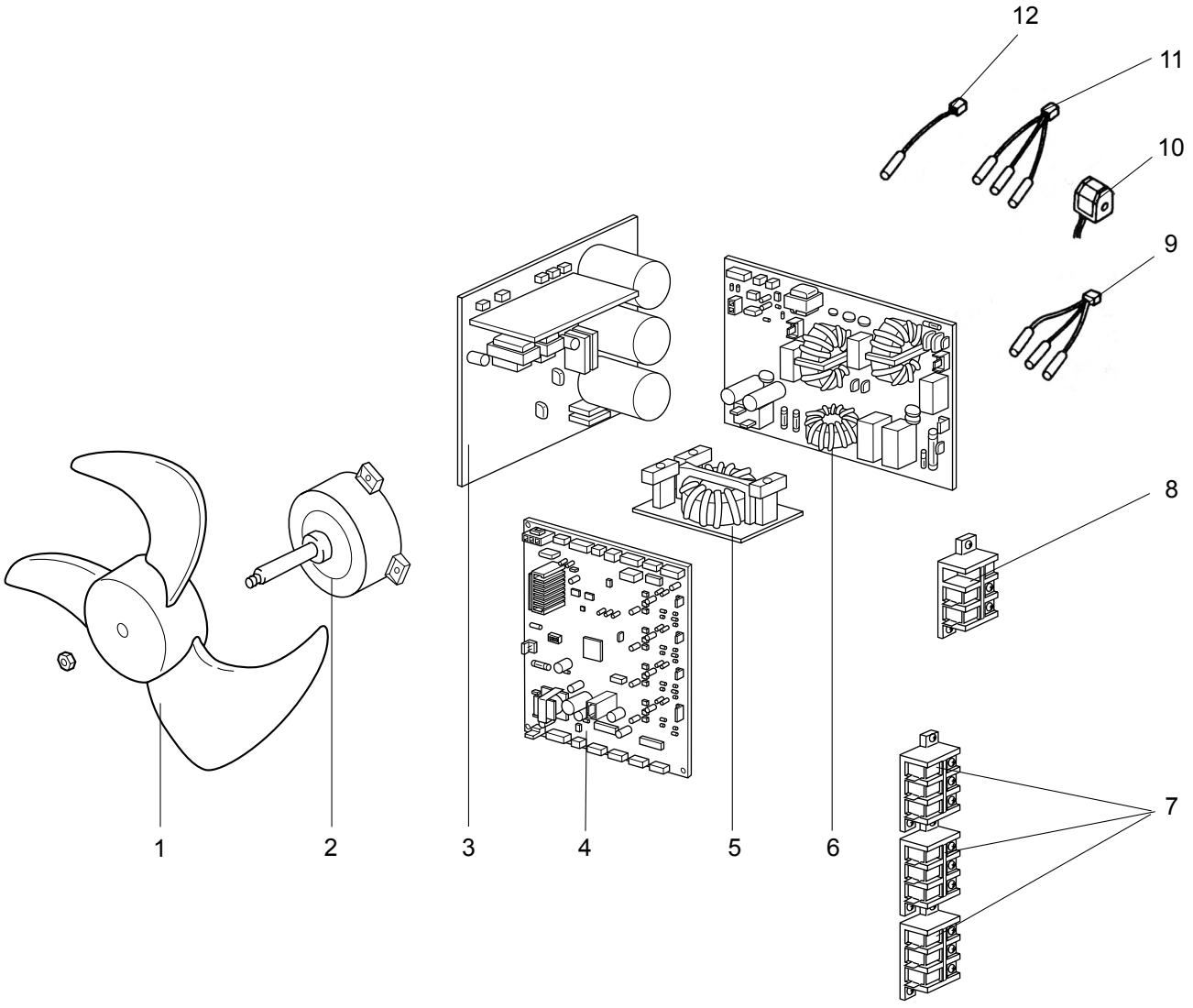
MXZ-3A30NA
14-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

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

No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
				MXZ-3A30NA	
1	M21 TK0 232	FRONT PANEL		1	
2	M21 TK0 027	HANDLE ASSEMBLY		2	
3	M21 TK5 010	GRILLE		1	
4	M21 TK0 245	SERVICE PANEL		1	
5	T92 500 801	COMPRESSOR	MC	1	TNB220FMCH
6	T2W TK0 505	COMPRESSOR RUBBER SET		3	3 RUBBERS SET
7	R01 E39 401	EXPANSION VALVE		1	C room
	T2W TK0 653	LEV COIL	LEV C	1	C room
8	R01 E39 401	EXPANSION VALVE		1	B room
	T2W TK0 652	LEV COIL	LEV B	1	B room
9	R01 E39 401	EXPANSION VALVE		1	A room
	T2W TK0 651	LEV COIL	LEV A	1	A room
10	M21 TK0 290	BASE ASSEMBLY		1	
11	M21 42E 644	UNION		1	ϕ1/2, ϕ3/8, ϕ1/4 SET
12	T2W TK0 247	PIPE COVER		1	
13	M21 TK5 667	BALL VALVE (LIQUID) 3/8		1	ϕ3/8
14	T2W J7E 667	BALL VALVE (GAS) 5/8		1	ϕ5/8
15	M21 J7E 248	REAR PANEL		1	
16	T2W TK0 959	POWER RECEIVER		1	
17	T2W J7E 961	4-WAY VALVE		1	
18	M21 NT1 646	HIGH PRESSURE SWITCH	HPS	1	4.8 MPa (48.9 kg/cm^2)
19	T2W WW8 401	EXPANSION VALVE		1	E
20	T2W TK0 651	LEV COIL	LEV E	1	
21	M21 TK0 297	TOP PANEL		1	
22	T2W E40 523	REAR GUARD		1	
23	M21 J7E 630	HEAT EXCHANGER		1	
24	M21 TK0 249	SIDE PANEL		1	
25	M21 J7E 641	SERVICE PORT		2	
㉖	M21 SJ4 937	CAPILLARY TUBE		2	O.D.0.16 x I.D.0.09 x 15.75
㉗	M21 TK0 936	CAPILLARY TUBE		3	O.D.0.16 x I.D.0.11 x 3.54
㉘	T2W E59 936	CAPILLARY TUBE		1	O.D.0.10 x I.D.0.02 x 39.37
㉙	T2W J7E 656	OIL SEPARATOR		1	

MXZ-3A30NA

14-4. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



PARTS LIST (non-RoHS compliant)

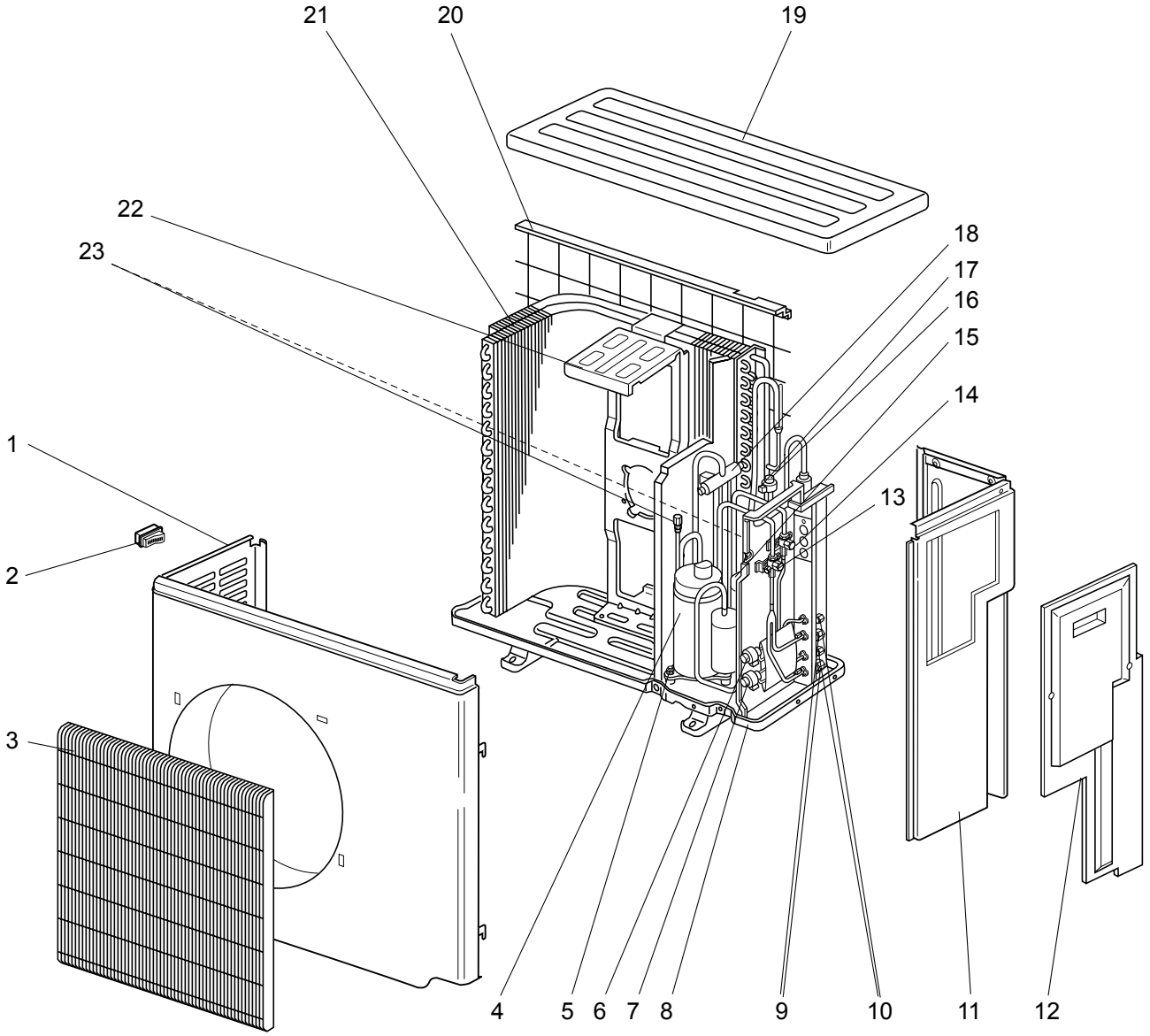
MXZ-3A30NA
14-4. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
				MXZ-3A30NA	
1	M21 TK0 501	PROPELLER		1	
2	T2W J7E 301	OUTDOOR FAN MOTOR	MF	1	RC0J60-□□
3	T2W J7E 440	POWER BOARD		1	Including heat sink and RT64
4	T2W J7E 451	ELECTRONIC CONTROL P.C. BOARD		1	
5	M21 TK0 337	REACTOR	L	1	20 A 600 µH
6	T2W J7E 424	NOISE FILTER P.C. BOARD		1	
7	T2W YH1 376	TERMINAL BLOCK	TB2~4	3	Indoor unit connecting
8	T2W J7E 376	TERMINAL BLOCK	TB1	1	Power supply
9	T2W E88 307	GAS PIPE TEMPERATURE THERMISTOR	RT6A,B,C	1	
10	T2W J7E 398	R.V. COIL	21S4	1	
11	M21 G0H 308	THERMISTOR SET	RT61,62,68	1	DEFROST, DISCHARGE, OUTDOOR HEAT EXCHANGER
12	M21 90V 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	

15 RoHS PARTS LIST (RoHS compliant)

MXZ-2A20NA MXZ-2A20NA - 1

15-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



PARTS LIST (RoHS compliant)

MXZ-2A20NA MXZ-2A20NA - 1

15-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

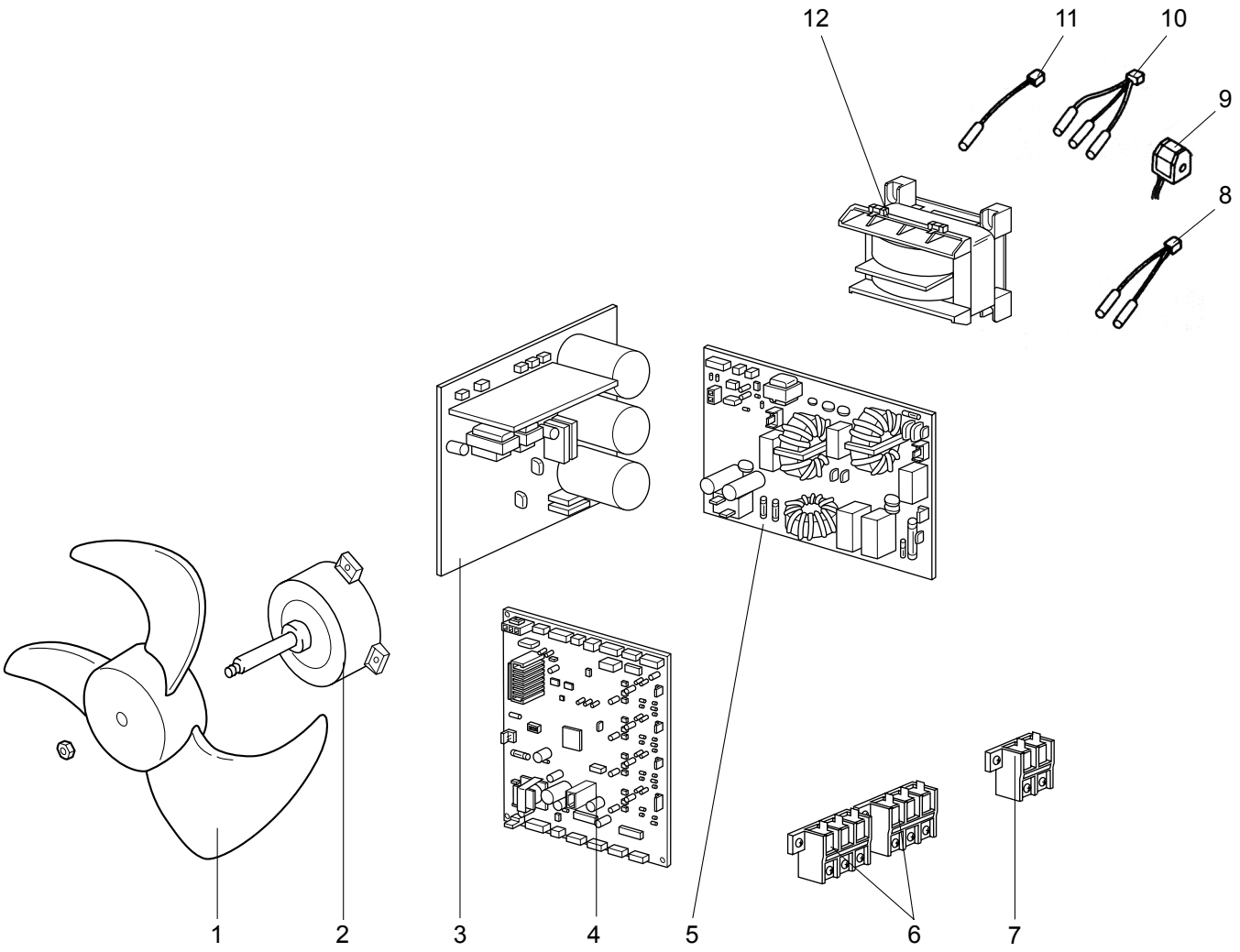
Part numbers that are circled are not shown in the illustration.

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit		Remakes
					MXZ-2A20NA	MXZ-2A20NA-1	
1	G	E12 939 232	CABINET		1	1	
2	G	E12 817 009	HANDLE		1	1	
3	G	E12 939 521	GRILLE		1	1	
4	G	E12 B05 900	COMPRESSOR	MC	1		SNB130FPDH1
	G	E12 C15 900	COMPRESSOR	MC		1	SNB130FQBH1
5	G	E12 065 506	COMPRESSOR RUBBER SET		3	3	3 RUBBERS SET
6	G	E12 851 640	EXPANSION VALVE		1	1	B room
	G	E12 939 493	LEV COIL	LEV B	1	1	B room
7	G	E12 851 640	EXPANSION VALVE		1	1	A room
	G	E12 938 493	LEV COIL	LEV A	1	1	A room
8	G	E12 939 290	BASE		1	1	
9	G	E12 C06 666	UNION(GAS)		2		ϕ3/8
	G	E12 C18 666	UNION(GAS)			2	ϕ3/8
10	G	E12 C06 667	UNION(LIQUID)		2		ϕ1/4
	G	E12 C18 667	UNION(LIQUID)			2	ϕ1/4
11	G	E12 939 233	BACK PANEL		1	1	
12	G	E12 939 245	SERVICE PANEL		1	1	
13	G	E12 C15 661	BALL VALVE (GAS)		1	1	ϕ5/8
14	G	E12 C06 662	BALL VALVE (LIQUID)		1	1	ϕ3/8
15	G	E12 938 959	POWER RECEIVER		1		
	G	E12 C18 959	POWER RECEIVER			1	
16	G	E12 853 640	EXPANSION VALVE		1	1	E
17	G	E12 819 493	LEV COIL	LEV E	1	1	
18	G	E12 A56 961	4-WAY VALVE		1	1	
19	G	E12 819 297	TOP PANEL		1	1	
20	G	E12 939 523	REAR GUARD		1	1	
21	G	E12 B05 630	HEAT EXCHANGER		1	1	
22	G	E12 939 515	MOTOR SUPPORT		1	1	
23	G	E12 A49 641	SERVICE PORT		2	2	
㉔	G	E12 938 937	CAPILLARY TUBE		8	8	O.D.0.14 x I.D.0.09 x 19.68
㉕	G	E12 939 936	CAPILLARY TUBE		2	2	O.D.0.16 x I.D.0.11 x 3.93
㉖	G	E12 938 936	CAPILLARY TUBE		1	1	O.D.0.10 x I.D.0.02 x 39.37
㉗	G	E12 B05 299	OIL SEPARATOR		1	1	

RoHS PARTS LIST (RoHS compliant)

MXZ-2A20NA MXZ-2A20NA - 1

15-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



PARTS LIST (RoHS compliant)

MXZ-2A20NA MXZ-2A20NA - 1

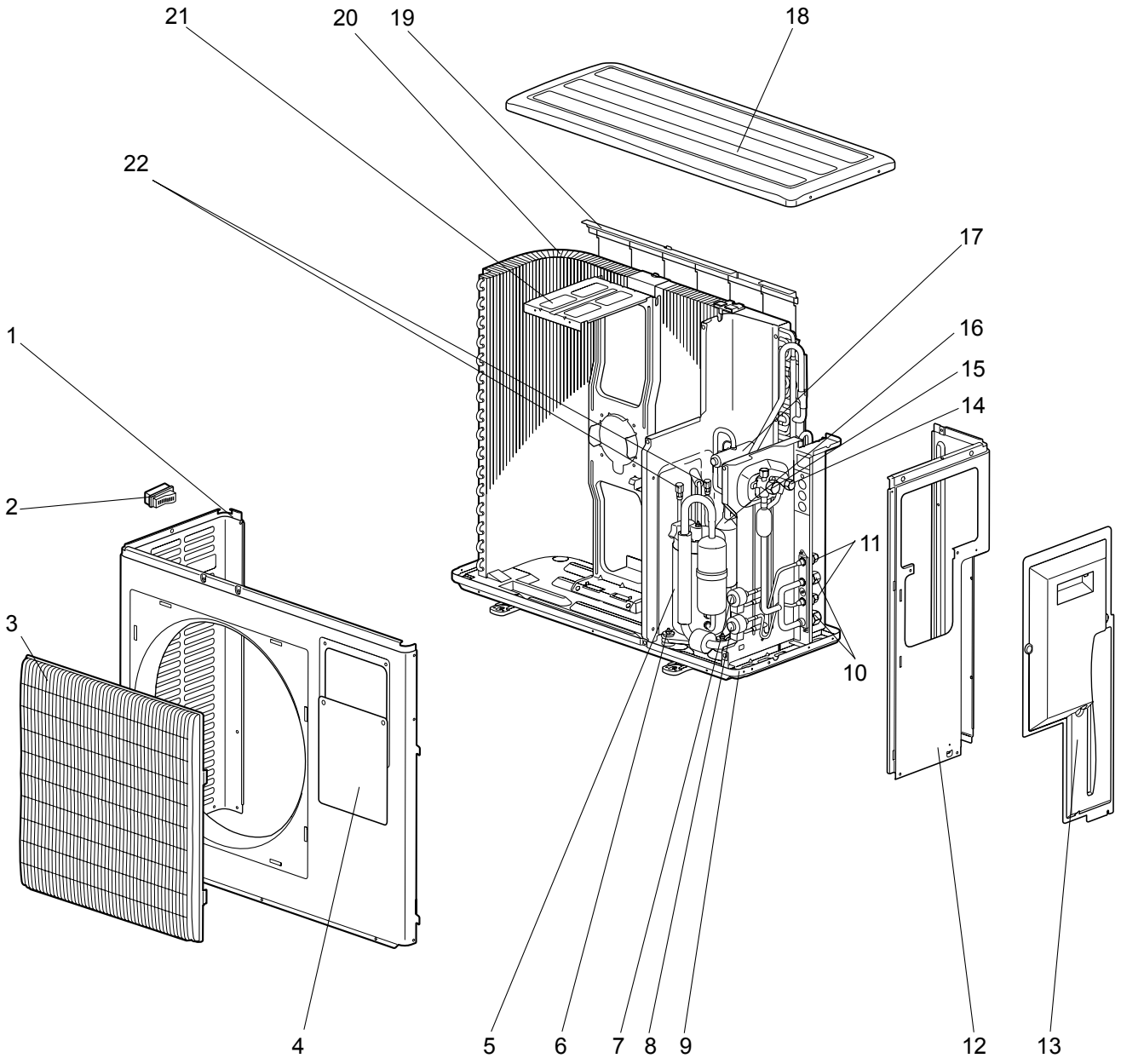
15-2. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit		Remakes
					MXZ-2A20NA	MXZ-2A20NA-1	
1	G	E12 851 501	PROPELLER		1	1	
2	G	E12 A58 301	OUTDOOR FAN MOTOR	MF	1	1	RC0J60-□□
3	G	E12 B05 440	POWER BOARD		1		Including heat sink and RT64
	G	E12 C15 440	POWER BOARD			1	Including heat sink and RT64
4	G	E12 B05 450	ELECTRONIC CONTROL P.C. BOARD		1		
	G	E12 C15 450	ELECTRONIC CONTROL P.C. BOARD			1	
5	G	E12 B05 444	NOISE FILTER P.C. BOARD		1	1	
6	G	E12 927 374	TERMINAL BLOCK	TB2,3	2	2	Indoor unit connecting
7	G	E12 A53 374	TERMINAL BLOCK	TB1	1	1	Power supply
8	G	E12 977 307	GAS PIPE TEMPERATURE THERMISTOR SET	RT6A,B	1		
9	G	E12 B05 490	R.V. COIL	21S4	1	1	
10	G	E12 938 308	THERMISTOR SET	RT61,62,68	1	1	DEFROST, DISCHARGE OUTDOOR HEAT EXCHANGER
11	G	E12 938 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	1	
12	G	E12 938 337	REACTOR	L	1	1	20 A 600 μH

RoHS PARTS LIST (RoHS compliant)

MXZ-2A20NA - 2

15-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



PARTS LIST (RoHS compliant)

MXZ-2A20NA - 2

15-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

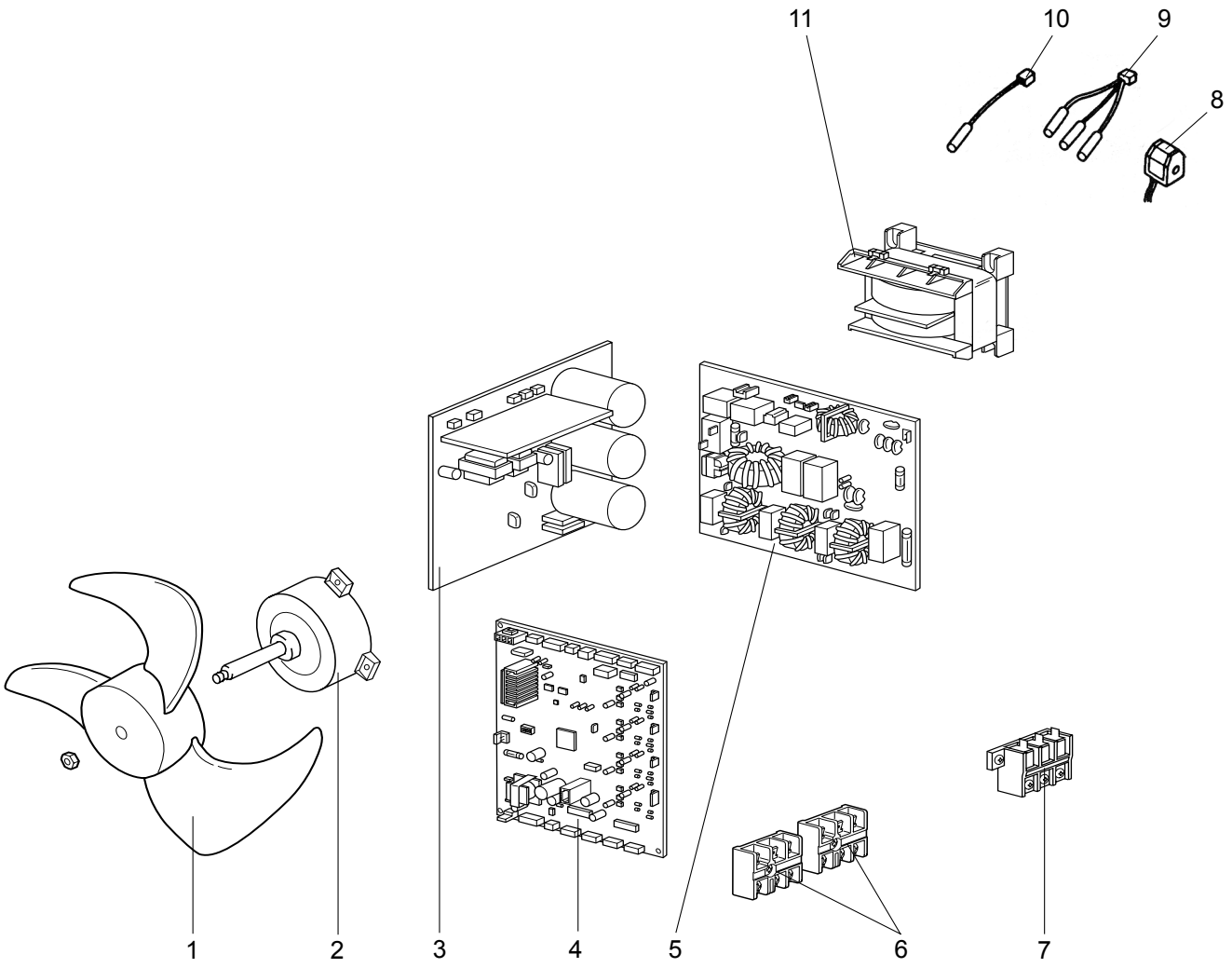
Part numbers that are circled are not shown in the illustration.

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
					MXZ-2A20NA-2	
1	G	E12 D36 232	CABINET		1	
2	G	E12 817 009	HANDLE		1	
3	G	E12 939 521	GRILLE		1	
4	G	E12 D36 246	SUB PANEL		1	
5	G	E12 C15 900	COMPRESSOR	MC	1	SNB130FQBH1
6	G	E12 C34 506	COMPRESSOR RUBBER SET		3	3 RUBBERS SET
7	G	E12 851 640	EXPANSION VALVE		1	B room
	G	E12 939 493	LEV COIL	LEV B	1	B room
8	G	E12 851 640	EXPANSION VALVE		1	A room
	G	E12 938 493	LEV COIL	LEV A	1	A room
9	G	E12 939 290	BASE		1	
10	G	E12 D36 666	UNION(GAS)		2	ϕ3/8
11	G	E12 D36 667	UNION(LIQUID)		2	ϕ1/4
12	G	E12 939 233	BACK PANEL		1	
13	G	E12 D36 245	SERVICE PANEL		1	
14	G	E12 D36 662	STOP VALVE (LIQUID) 3/8		1	ϕ3/8
15	G	E12 C88 661	STOP VALVE (GAS) 5/8		1	ϕ5/8
16	G	E12 C88 299	OIL SEPARATOR		1	
17	G	E12 A56 961	4-WAY VALVE		1	
18	G	E12 819 297	TOP PANEL		1	
19	G	E12 939 523	REAR GUARD		1	
20	G	E12 B05 630	OUTDOOR HEAT EXCHANGER		1	
21	G	E12 939 515	MOTOR SUPPORT		1	
22	G	E12 A49 641	SERVICE PORT		2	
㉓	G	E12 938 937	CAPILLARY TUBE		8	O.D.0.14 x I.D.0.09 x 19.68
㉔	G	E12 939 936	CAPILLARY TUBE		2	O.D.0.16 x I.D.0.11 x 3.93
㉕	G	E12 938 936	CAPILLARY TUBE		1	O.D.0.10 x I.D.0.02 x 39.37
㉖	G	E12 C18 959	POWER RECEIVER		1	
㉗	G	E12 853 640	EXPANSION VALVE		1	
	G	E12 819 493	LEV COIL	LEV E	1	E

RoHS PARTS LIST (RoHS compliant)

MXZ-2A20NA - 2

15-4. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



PARTS LIST (RoHS compliant)

MXZ-2A20NA - 2

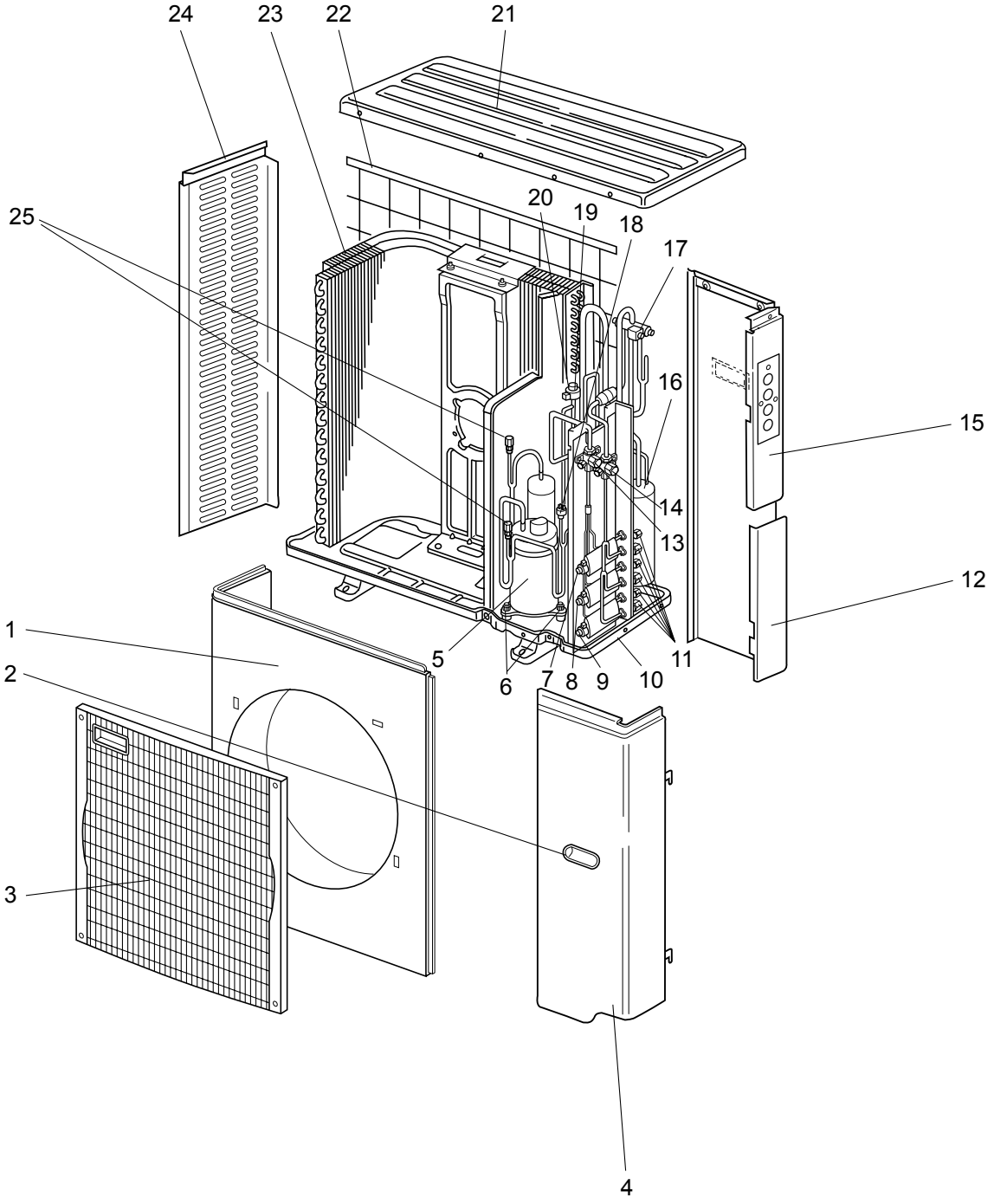
15-4. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
					MXZ-2A20NA-2	
1	G	E12 851 501	PROPELLER		1	
2	G	E12 A58 301	OUTDOOR FAN MOTOR	MF	1	RC0J60-□□
3	G	E12 C15 440	POWER BOARD		1	Including heat sink and RT64
4	G	E12 C88 450	ELECTRONIC CONTROL P.C. BOARD		1	
5	G	E12 D38 444	NOISE FILTER P.C. BOARD		1	
6	G	E12 C92 375	TERMINAL BLOCK	TB2~3	2	Indoor unit connecting
7	G	E12 A53 374	TERMINAL BLOCK	TB1	1	Power supply
8	G	E12 B05 490	R.V. COIL	21S4	1	
9	G	E12 938 308	THERMISTOR SET	RT61,62,68	1	DEFROST, DISCHARGE OUTDOOR HEAT EXCHANGER
10	G	E12 938 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	
11	G	E12 938 337	REACTOR	L	1	20 A 600 μH

RoHS PARTS LIST (RoHS compliant)

MXZ-3A30NA

15-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



PARTS LIST (RoHS compliant)

MXZ-3A30NA
15-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

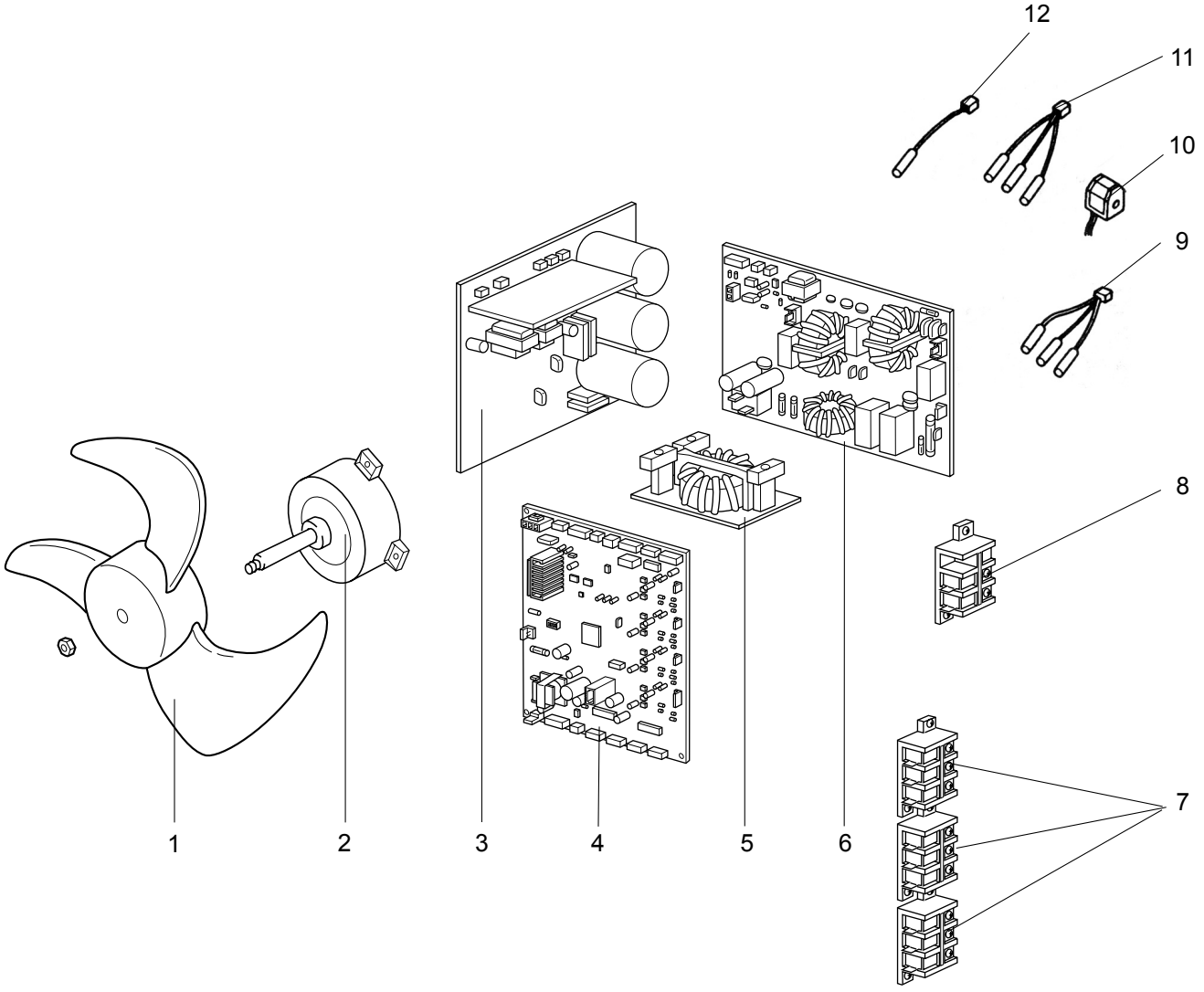
Part numbers that are circled are not shown in the illustration.

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
					MXZ-3A30NA	
1	G	M21 L2V 232	FRONT PANEL		1	
2	G	M21 L2V 027	HANDLE ASSEMBLY		2	
3	G	M21 L2V 010	GRILLE		1	
4	G	M21 L2V 245	SERVICE PANEL		1	
5	G	T92 505 801	COMPRESSOR	MC	1	TNB220FMCH
6	G	M21 L2V 505	COMPRESSOR RUBBER SET		3	3 RUBBERS SET
7	G	M21 L2V 401	EXPANSION VALVE		1	C room
	G	M21 L2V 653	LEV COIL	LEV C	1	C room
8	G	M21 L2V 401	EXPANSION VALVE		1	B room
	G	M21 L2V 652	LEV COIL	LEV B	1	B room
9	G	M21 L2V 401	EXPANSION VALVE		1	A room
	G	M21 L2V 651	LEV COIL	LEV A	1	A room
10	G	M21 L2V 290	BASE ASSEMBLY		1	
11	G	M21 L2V 644	UNION		1	ϕ1/2, ϕ3/8, ϕ1/4 SET
12	G	M21 L2V 247	PIPE COVER		1	
13	G	M21 L2V 667	BALL VALVE (LIQUID) 3/8		1	ϕ3/8
14	G	T2W L7V 668	BALL VALVE (GAS) 5/8		1	ϕ5/8
15	G	T2W L7V 248	REAR PANEL		1	
16	G	T2W L7V 959	POWER RECEIVER		1	
17	G	T2W L7V 642	4-WAY VALVE		1	
18	G	M21 L2V 646	HIGH PRESSURE SWITCH	HPS	1	4.8 MPa (48.9 kg/cm^2)
19	G	M21 L2V 402	EXPANSION VALVE		1	E
20	G	M21 L2V 651	LEV COIL	LEV E	1	
21	G	M21 L2V 297	TOP PANEL		1	
22	G	M21 L2V 523	REAR GUARD		1	
23	G	T2W L7V 630	HEAT EXCHANGER		1	
24	G	M21 L2V 249	SIDE PANEL		1	
25	G	T2W L7V 641	SERVICE PORT		2	
㉖	G	M21 L2V 937	CAPILLARY TUBE		2	O.D.0.16 x I.D.0.09 x 15.75
㉗	G	M21 L2V 936	CAPILLARY TUBE		3	O.D.0.16 x I.D.0.11 x 3.54
㉘	G	M21 L2V 938	CAPILLARY TUBE		1	O.D.0.10 x I.D.0.02 x 39.37
㉙	G	T2W L7V 656	OIL SEPARATOR		1	

RoHS PARTS LIST (RoHS compliant)

MXZ-3A30NA

15-6. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



PARTS LIST (RoHS compliant)

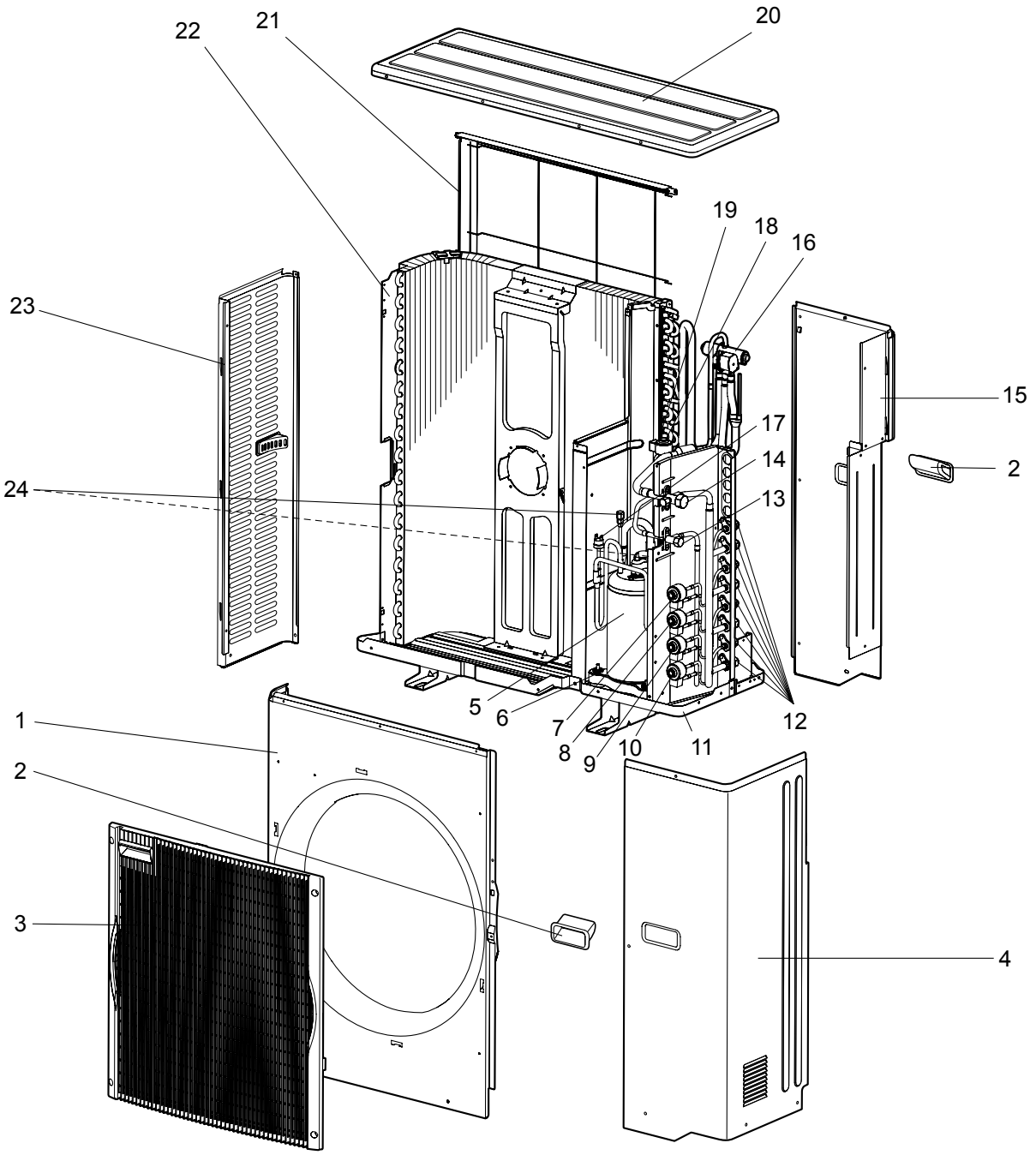
MXZ-3A30NA
15-6. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit	Remakes
					MXZ-3A30NA	
1	G	M21 L2V 501	PROPELLER		1	
2	G	T2W L7V 301	OUTDOOR FAN MOTOR	MF	1	RC0J60-□□
3	G	T2W L7V 440	POWER BOARD		1	Including heat sink and RT64
4	G	T2W L7V 451	ELECTRONIC CONTROL P.C. BOARD		1	
5	G	M21 L2V 337	REACTOR	L	1	20 A 600 µH
6	G	T2W L7V 424	NOISE FILTER P.C. BOARD		1	
7	G	T2W L2V 376	TERMINAL BLOCK	TB2~4	3	Indoor unit connecting
8	G	T2W L7V 377	TERMINAL BLOCK	TB1	1	Power supply
9	G	M21 L7V 307	GAS PIPE TEMPERATURE THERMISTOR	RT6A,B,C	1	
10	G	T2W L7V 398	R.V. COIL	21S4	1	
11	G	M21 L2V 308	THERMISTOR SET	RT61,62,68	1	DEFROST, DISCHARGE, OUTDOOR HEAT EXCHANGER
12	G	M21 L2V 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	

RoHS PARTS LIST (RoHS compliant)

MXZ-3A30NA - 1 MXZ-4A36NA

15-7. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



RoHS PARTS LIST (RoHS compliant)

MXZ-3A30NA - 1 MXZ-4A36NA

15-7. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

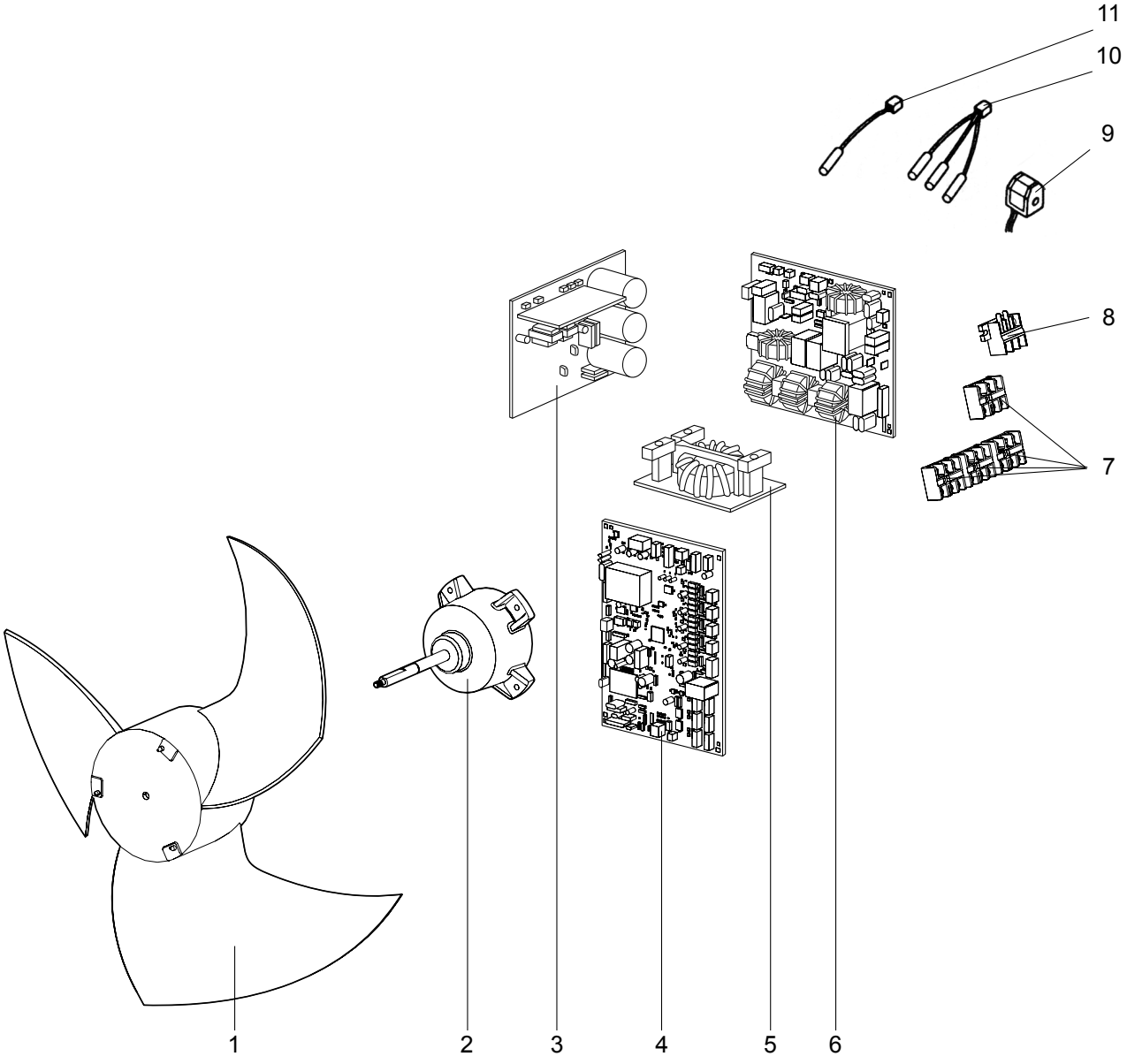
Part numbers that are circled are not shown in the illustration.

No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit		Remakes
					MXZ-3A30NA-1	MXZ-4A36NA	
1	G	M21 0A2 232	FRONT PANEL		1	1	
2	G	M21 0A2 027	HANDLE ASSEMBLY		2	2	
3	G	M21 L2V 010	GRILLE		1	1	
4	G	M21 0A2 245	SERVICE PANEL		1	1	
5	G	T92 505 801	COMPRESSOR	MC	1	1	TNB220FMCH
6	G	M21 L2V 505	COMPRESSOR RUBBER SET		3	3	3 RUBBERS SET
7	G	M21 L2V 401	EXPANSION VALVE			1	D room
	G	M21 L2V 654	LEV COIL	LEV D		1	D room
8	G	M21 L2V 401	EXPANSION VALVE		1	1	C room
	G	M21 L2V 653	LEV COIL	LEV C	1	1	C room
9	G	M21 L2V 401	EXPANSION VALVE		1	1	B room
	G	M21 L2V 652	LEV COIL	LEV B	1	1	B room
10	G	M21 L2V 401	EXPANSION VALVE		1	1	A room
	G	M21 L2V 651	LEV COIL	LEV A	1	1	A room
11	G	M21 0A2 290	BASE ASSEMBLY		1	1	
12	G	M21 0A2 644	UNION		1	1	ϕ1/2, ϕ3/8, ϕ1/4 SET
13	G	M21 0A2 668	STOP VALVE (LIQUID) 3/8		1	1	ϕ3/8
14	G	M21 0A6 667	STOP VALVE (GAS) 5/8		1	1	ϕ5/8
15	G	M21 0A2 248	REAR PANEL		1	1	
16	G	T2W L7V 642	4-WAY VALVE		1	1	
17	G	M21 L2V 646	HIGH PRESSURE SWITCH	HPS	1	1	4.8 MPa (48.9 kg/cm^2)
18	G	M21 L2V 402	EXPANSION VALVE		1		F
	G	M21 0A2 402	EXPANSION VALVE			1	F
19	G	M21 0A2 652	LEV COIL	LEV F	1	1	
20	G	M21 L2V 297	TOP PANEL		1	1	
21	G	M21 0A2 523	REAR GUARD		1	1	
22	G	T2W 0A6 630	HEAT EXCHANGER		1		
	G	T2W 0A2 630	HEAT EXCHANGER			1	
23	G	M21 L2V 249	SIDE PANEL		1	1	
24	G	T2W L7V 641	SERVICE PORT		2	2	
(25)	G	T2W L7V 959	POWER RECEIVER		1	1	
(26)	G	M21 0A2 937	CAPILLARY TUBE		2	2	O.D.0.12 x I.D.0.08 x 11.8
(27)	G	M21 0A2 936	CAPILLARY TUBE		3	4	O.D.0.16 x I.D.0.11 x 3.94
(28)	G	M21 L2V 938	CAPILLARY TUBE		1	1	O.D.0.10 x I.D.0.02 x 39.37
(29)	G	T2W L7V 656	OIL SEPARATOR		1	1	

RoHS PARTS LIST (RoHS compliant)

MXZ-3A30NA - 1 MXZ-4A36NA

15-8. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



RoHS PARTS LIST (RoHS compliant)

MXZ-3A30NA - 1 MXZ-4A36NA

15-8. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

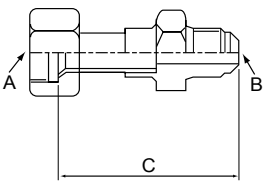
No.	RoHS	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty/unit		Remakes
					MXZ-3A30NA-1	MXZ-4A36NA	
1	G	M21 L2V 501	PROPELLER		1	1	
2	G	T2W L7V 301	OUTDOOR FAN MOTOR	MF	1	1	PM8H60-□□
3	G	M21 0A1 440	POWER BOARD		1	1	Including heat sink and RT64
4	G	T2W 0A6 451	ELECTRONIC CONTROL P.C. BOARD		1		
	G	T2W 2G6 451	ELECTRONIC CONTROL P.C. BOARD			1	
5	G	M21 L2V 337	REACTOR	L	1	1	20 A 600 µH
6	G	M21 0A0 424	NOISE FILTER P.C. BOARD		1	1	
7	G	T2W 0A2 376	TERMINAL BLOCK	TB2~5	3	4	Indoor unit connecting
8	G	T2W L7V 377	TERMINAL BLOCK	TB1	1	1	Power supply
9	G	T2W L7V 398	R.V. COIL	21S4	1	1	
10	G	M21 L2V 308	THERMISTOR SET	RT61,62,68	1	1	DEFROST, DISCHARGE, OUTDOOR HEAT EXCHANGER
11	G	M21 0A2 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	1	

16 OPTIONAL PARTS

16-1. DIFFERENT-DIAMETER PIPE

Unit : inch

MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2 MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA	Model name	Connected pipes diameter	Diameter A	Diameter B	Length C
For different-diameter pipes	MAC-A454JP	ϕ3/8 — ϕ 1/2	ϕ3/8	ϕ1/2	2.72
	MAC-A455JP	ϕ1/2 — ϕ 3/8	ϕ1/2	ϕ3/8	2.56
	MAC-A456JP	ϕ1/2 — ϕ 5/8	ϕ1/2	ϕ5/8	2.62
	PAC-493PI	ϕ1/4 — ϕ 3/8	ϕ1/4	ϕ3/8	2.38
	PAC-SG76RJ-E	ϕ3/8 — ϕ 5/8	ϕ3/8	ϕ5/8	4

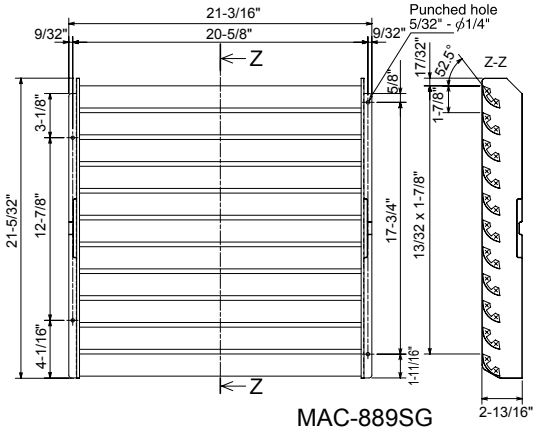


16-2. OUTLET GUIDE

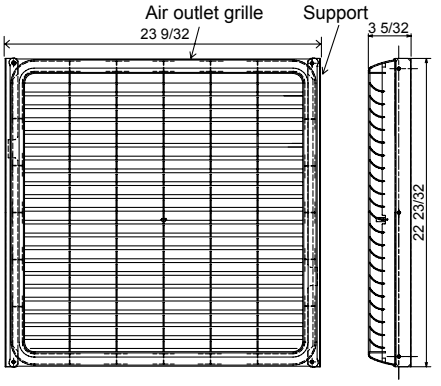
Changes air discharge direction.

Unit : inch

Applied unit	Model name	Model code
MXZ-2A20NA MXZ-2A20NA - 1 MXZ-2A20NA - 2	MAC-889SG	506-889
MXZ-3A30NA MXZ-3A30NA - 1 MXZ-4A36NA	MAC-856SG	51H-856



MAC-889SG



MAC-856SG

Mr.SLIM™

MITSUBISHI ELECTRIC CORPORATION

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

© **Copyright 2006 MITSUBISHI ELECTRIC CORPORATION**

Distributed in Dec. 2011. No. OB444 REVISED EDITION-I
Distributed in Jun. 2011. No. OB444 REVISED EDITION-H
Distributed in May 2009. No. OB444 REVISED EDITION-G 6
Distributed in Jan. 2009. No. OB444 REVISED EDITION-F 6
Distributed in Sep. 2008. No. OB444 REVISED EDITION-E 6
Distributed in Jun. 2008. No. OB444 REVISED EDITION-D 6
Distributed in Oct. 2007. No. OB444 REVISED EDITION-C 9
Distributed in May 2007. No. OB444 REVISED EDITION-B 9
Distributed in Jun. 2006. No. OB444 REVISED EDITION-A 8
Distributed in Mar. 2006. No. OB444 8
Made in Japan

New publication, effective Dec. 2011
Specifications are subject to change without notice.