

**Revision J:**

- FAILURE MODE RECALL FUNCTION has been corrected.
- Some descriptions have been modified.

Please void OB377 REVISED EDITION-I.

# OUTDOOR UNIT

## SERVICE MANUAL



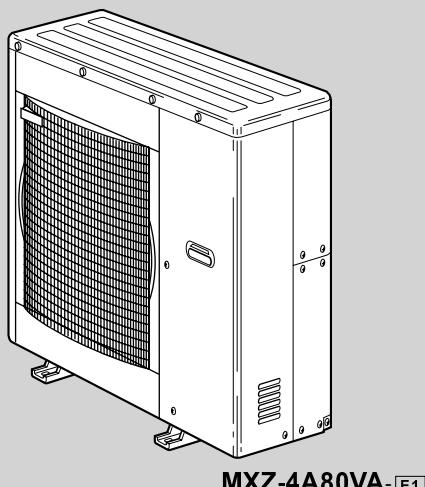
**No. OB377  
REVISED EDITION-J**

### Models

<b>MXZ-2A30VA</b>	- [E1]
<b>MXZ-2A30VA</b>	- [E2]
<b>MXZ-2A40VA</b>	- [E1]
<b>MXZ-2A40VA</b>	- [E2]
<b>MXZ-2A52VA</b>	- [E1]
<b>MXZ-2A52VA</b>	- [E2]
<b>MXZ-3A54VA</b>	- [E1]
<b>MXZ-3A54VA</b>	- [E2]
<b>MXZ-3A54VA</b>	- [E3]
<b>MXZ-3A54VA</b>	- [E4]
<b>MXZ-3A54VA</b>	- [E5]
<b>MXZ-3A54VA</b>	- [E6]
<b>MXZ-3A54VA</b>	- [E7]
<b>MXZ-4A71VA</b>	- [E1]

<b>MXZ-4A71VA</b>	- [E2]
<b>MXZ-4A71VA</b>	- [E3]
<b>MXZ-4A71VA</b>	- [E4]
<b>MXZ-4A71VA</b>	- [E5]
<b>MXZ-4A71VA</b>	- [E6]
<b>MXZ-4A71VA</b>	- [E7]
<b>MXZ-4A80VA</b>	- [E1]
<b>MXZ-4A80VA</b>	- [E2]
<b>MXZ-5A100VA</b>	- [E1]

Indoor unit service manual  
 MSZ-FA•VA Series (OB371)  
 MSZ-GA•VA Series (OB378, OB388)  
 MSZ-CB•VA Series (OB441)  
 MSZ-GC•VA Series (OBH468)  
 MSZ-GE•VA Series (OBH515)  
 MSZ-FD•VA Series (OBH488)



### CONTENTS

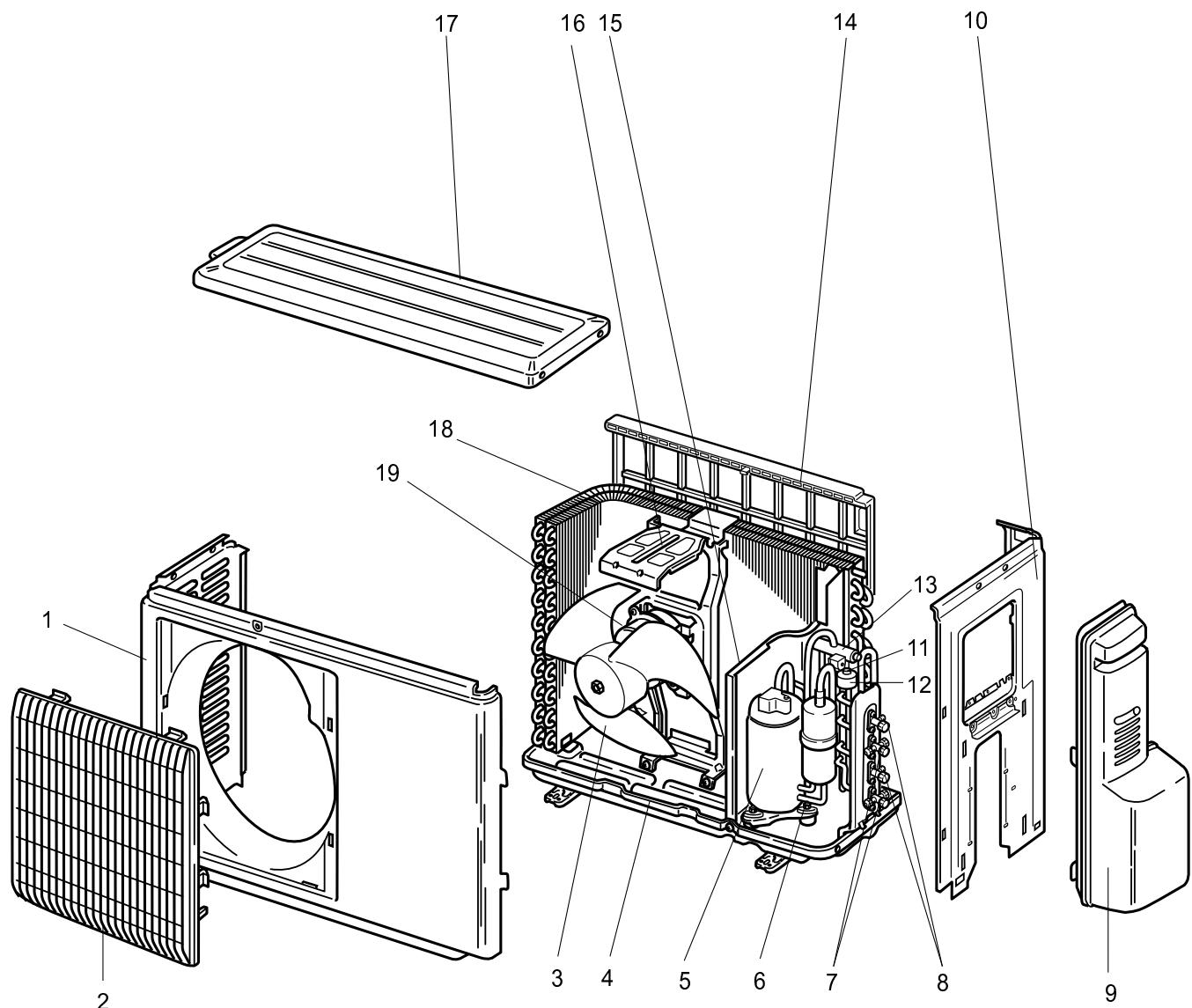
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**NOTE:**

- RoHS compliant products have <G> mark on the spec name plate.  
 For servicing of RoHS compliant products, refer to the RoHS Parts List



MXZ-2A40VA - E1 MXZ-2A52VA - E1

**15-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS**

## **PARTS LIST (non-RoHS compliant)**

**MXZ-2A40VA - E1**    **MXZ-2A52VA - E1**

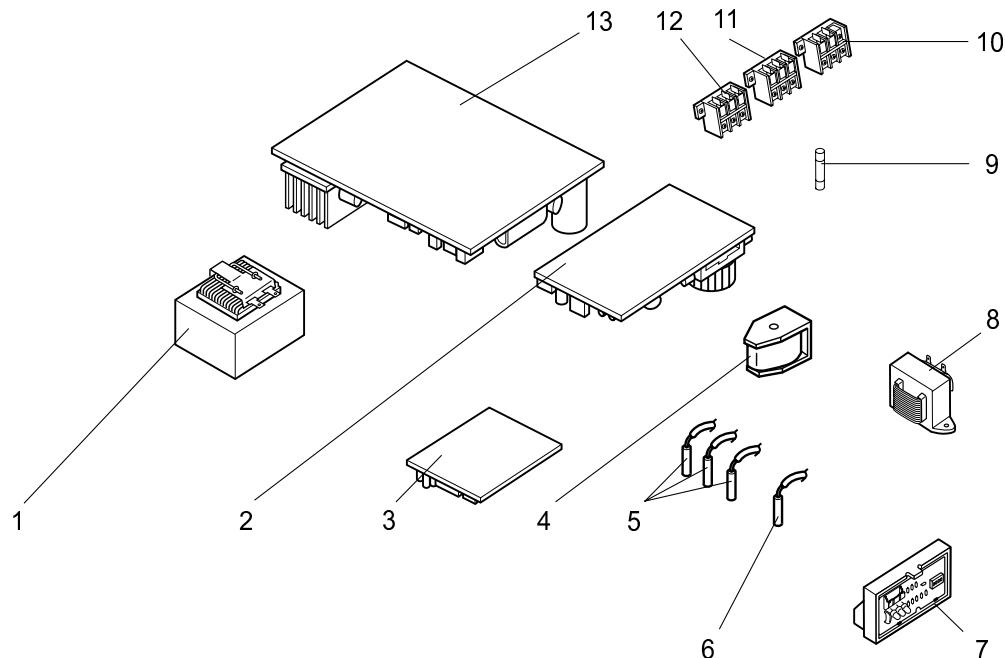
## 15-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

No.	Part No.	Part Name	Symbol in Drawing Diagram	Unit		Remarks
				MXZ-2A40VA- E1	MXZ-2A52VA- E1	
1	E02 020 202	CABINET		1	1	
2	E02 020 521	DRILL		1	1	
3	E02 020 501	PROPELLER		1	1	
4	E02 A45 200	BASE		1	1	
5	E02 A40 000	COMPRESSOR	MC	1	1	SN 10FCH
	E02 005 500	COMPRESSOR DRIVER SET				DRIVERS SET
	E02 020 001	STOP VALVE (AS)		2	2	Ø 52
	E02 020 002	STOP VALVE (LID)		2	2	Ø 5
	E02 A40 245	SERVICE PANEL		1	1	
10	E02 A40 200	AC PANEL		1	1	
11	E02 005 040	EXPANSION VALVE		1	1	ROOM
12	E02 A40 400	EXPANSION VALVE COIL	LEV	1	1	
13	E02 A40 001	4- WAY VALVE		1	1	
14	E02 020 520	CONDENSER NET		1	1	
15	E02 020 200	SEPARATOR		1	1	
16	E02 020 515	MOTOR SUPPORT		1	1	
17	E02 020 200	TOP PANEL		1	1	
18	E02 A40 000	OUTDOOR HEAT EXCHANGER		1	1	
19	E02 A40 001	OUTDOOR FAN MOTOR	MF	1	1	RC050-00
20	E02 000 000	CAPILLARY TUBE		4	4	Ø 0.0×Ø 1.4×00
21	E02 005 040	EXPANSION VALVE		2	2	Ø 0.0×Ø 2.0×200
22	E02 A40 400	EXPANSION VALVE COIL	LEV A	1	1	ROOM A

## **PARTS LIST (non-RoHS compliant)**

**MXZ-2A40VA - [E1]    MXZ-2A52VA - [E1]**

## 15-2. OUTDOOR UNIT ELECTRICAL PARTS

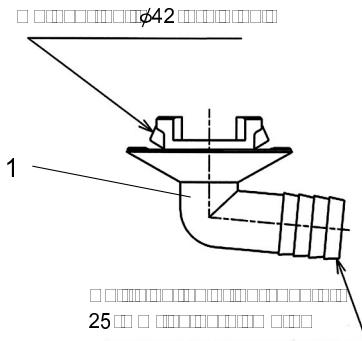


No.	Part No.	Part Name	Symbol in circuit Diagram	Unit		Remarks
				MXZ-2A40VA- E1	MXZ-2A52VA- E1	
1	E02 000 000	REACTOR	L4	1	1	10A 2mH
2	E02 A40 440	POWER P.C. BOARD		1	1	
3	E02 A40 454	INTERFACE P.C. BOARD		1	1	
4	E02 A40 400	R.V. COIL	21S4	1	1	
5	E02 A40 000	THERMISTOR SET	RT10200	1	1	DEFROST DISCHARGE OUTDOOR HEAT EXCHANGER
6	E02 A40 000	AMBIENT TEMPERATURE THERMISTOR	RT5	1	1	
7	E02 A40 020	DISPLAY P.C. BOARD		1	1	
8	E02 A40 000	REACTOR	L5	1	1	2A 25mH
9	E02 005 002	FUSE	F1	1	1	T20AL250V
10	E02 A40 004	TERMINAL LOC	T1	1	1	Power supply
11	E02 005 004	TERMINAL LOC	T00	1	1	Input unit connection
12	E02 005 004	TERMINAL LOC	T02	1	1	Input unit connection
13	E02 A40 451	INVERTER P.C. BOARD		1		Inverter unit connection RT4
	E02 A40 451	INVERTER P.C. BOARD			1	Inverter unit connection RT4

## PARTS LIST (non-RoHS compliant)

MXZ-2A40VA - E1 MXZ-2A52VA - E1

15-□ DRAIN SOC□ET



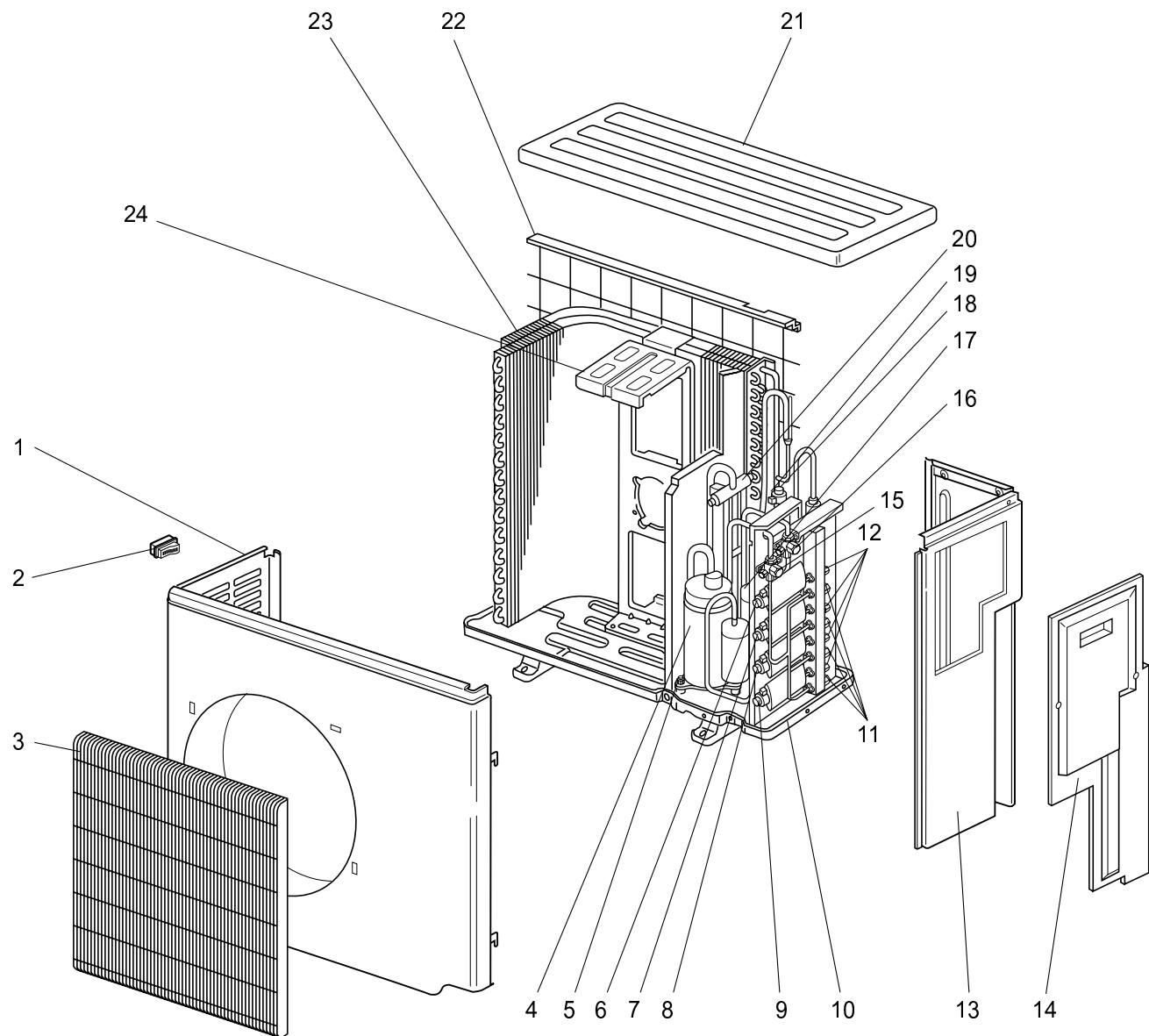
No.	Part No.	Part Name	Symbol in in Dia mm	Quantity		Remarks
				MXZ-2A40VA- <small>E1</small>	MXZ-2A52VA- <small>E1</small>	
1	E02 000 04	DRAIN SOC□ET		1	1	

## PARTS LIST (non-RoHS compliant)

MXZ-□A54VA - [E1](#) [E2](#)

MXZ-4A□1VA - [E1](#) [E2](#)

### 15-4. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



## PARTS LIST (non-RoHS compliant)

**MXZ-□A54VA - □ E1 □ E2**

**MXZ-4A 1VA - E1 E2**

## **15-4. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS**

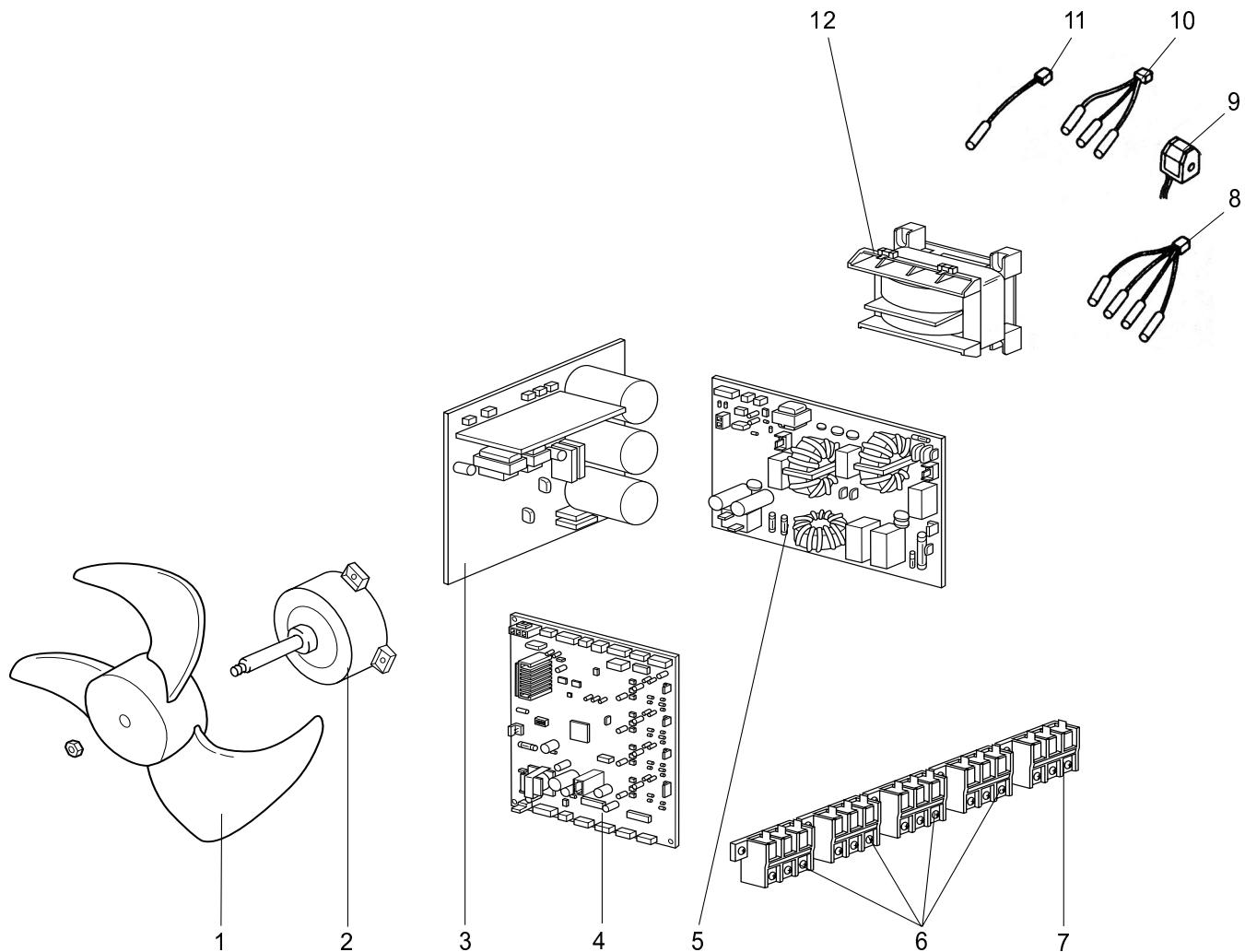
No.	Part No.	Part Name	Symbol in Drawing Dia. mm	Unit				Remarks	
				MXZ-4A54VA-		MXZ-4A1VA-			
				E1	E2	E1	E2		
1	E02 000 202	CAINET		1	1	1	1		
2	E02 010 000	HANDLE		1	1	1	1		
3	E02 000 521	RILLE		1	1	1	1		
4	E02 000 000	COMPRESSOR	MC	1	1	1	1	SN10FLDH1	
5	E02 005 500	COMPRESSOR RECEIVER SET		□	□	□	□	RECEIVERS SET	
	E02 051 040	EXPANSION VALVE				1	1	Doom	
	E02 000 404	LEV COIL	LEV D			1	1	Doom	
	E02 051 040	EXPANSION VALVE		1	1	1	1	Coom	
	E02 000 404	LEV COIL	LEV C	1	1	1	1	Coom	
	E02 051 040	EXPANSION VALVE		1	1	1	1	□oom	
	E02 000 400	LEV COIL	LEV □	1	1	1	1	□oom	
	E02 051 040	EXPANSION VALVE		1	1	1	1	Aoom	
	E02 000 400	LEV COIL	LEV A	1	1	1	1	Aoom	
10	E02 000 200	ASE		1	1	1	1		
11	E02 000 000	UNION(AS)		□	□	□	□	∅.52	
	E02 000 000	UNION(AS)				1	1	∅12.0	
12	E02 000 000	UNION(LUID)		□	□	4	4	∅.05	
13	E02 000 200	AC PANEL		1	1	1	1		
14	E02 000 245	SERVICE PANEL		1	1	1	1		
15	E02 000 001	ALL VALVE (AS) 500		1	1	1	1	∅15.00	
16	E02 000 002	ALL VALVE (LUID) 000		1	1	1	1	∅.52	
17	E02 000 050	POWER RECEIVER		1	1	1	1		
18	E02 000 040	EXPANSION VALVE		1	1	1	1	E	
19	E02 051 400	LEV COIL	LEV E	1	1	1	1		
20	E02 000 001	4-0A VALVE		1	1	1	1		
21	E02 010 200	TOP PANEL		1	1	1	1		
22	E02 000 520	REAR GUARD		1	1	1	1		
23	E02 000 000	OUTDOOR HEAT EXCHANGER		1	1	1	1		
24	E02 000 515	MOTOR SUPPORT		1	1	1	1		
25	E02 000 000	CAPILLAR TUBE		□	□	□	□	∅.0×∅2.4×500	
26	E02 000 000	CAPILLAR TUBE		□	□	4	4	∅4.0×∅2.0×100	
27	E02 000 000	CAPILLAR TUBE		1	1	1	1	∅2.5×∅0.0×1000	
28	E02 000 200	OIL SEPARATOR		1	1	1	1		

## PARTS LIST (non-RoHS compliant)

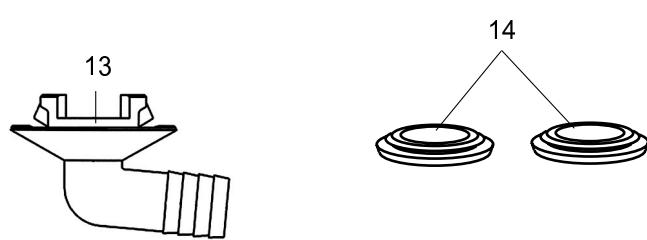
MXZ-□A54VA -   E2

MXZ-4A□1VA -   E2

### 15-5. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



### 15-□ ACCESSOR□



## PARTS LIST (non-RoHS compliant)

**MXZ-□A54VA - □ E1 □ E2**

**MXZ-4A 1VA - E1 E2**

## 15-5. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	Part No.	Part Name	Symbol in circuit Diagram	Unit				Remarks	
				MXZ-□A54VA-		MXZ-4A□1VA-			
				E1	E2	E1	E2		
1	E02 □51 501	PROPELLER		1	1	1	1		
2	E02 □□□ 01	OUTDOOR FAN MOTOR	MF	1	1	1	1	RC0□□0- □□	
	E02 □□□ 440	POWER BOARD		1	1	1	1	Including control board and RTD	
4	E02 □□□ 450	ELECTRONIC CONTROL P.C. BOARD		1	1				
	E02 □□□ 450	ELECTRONIC CONTROL P.C. BOARD				1	1		
5	E02 □□□ 444	NOISE FILTER P.C. BOARD		1	1	1	1		
	E02 □2 □□4	TERMINAL LOC	T□2□5	□	□	4	4	Input output connection	
	E02 □2 □□5	TERMINAL LOC	T□1	1	1	1	1	Power supply	
	E02 □□□ 0□	AS PIPE TEMPERATURE THERMISTOR SET	RTA□□C	1	1				
	E02 □□□ 0□	AS PIPE TEMPERATURE THERMISTOR SET	RTA□□CD			1	1		
	E02 □□□ 40	R.V. COIL	21S4	1	1	1	1		
10	E02 □□□ 0□	THERMISTOR SET	RT1□2□□	1	1	1	1	DEFROST DISCHARGE OUTDOOR HEAT EXCHANGER	
11	E02 □□□ 0□	AMBIENT TEMPERATURE THERMISTOR	RT□5	1	1	1	1		
12	E02 □□□	REACTOR	L	1	1	1	1	20A □00μH	

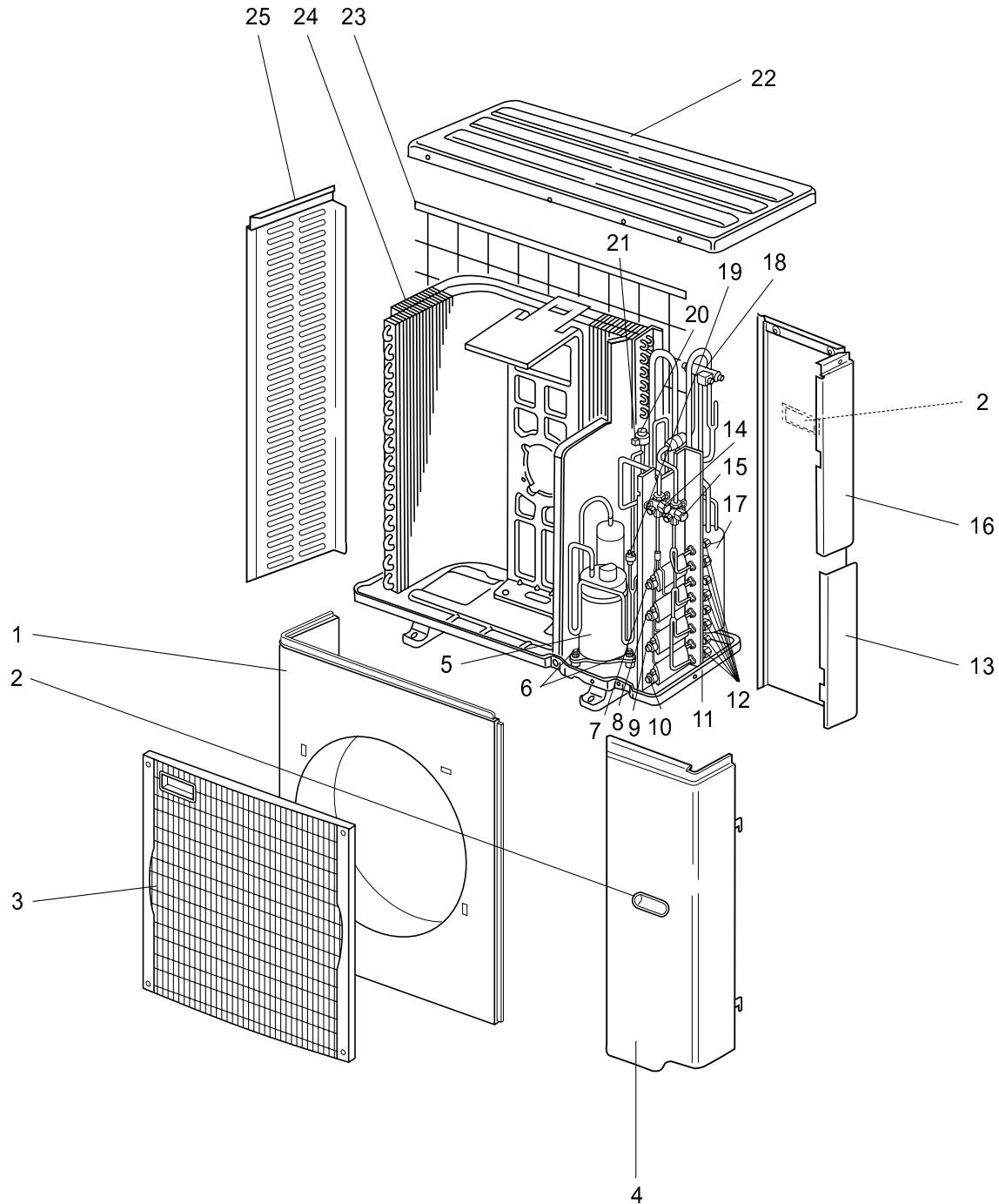
## **15-□ ACCESSORI □**

No.	Part No.	Part Name	Symbol in circuit Diagram	Inventory				Remarks	
				MXZ-□A54VA-		MXZ-4A□1VA-			
				E1	E2	E1	E2		
10	E02 1004	DRAIN SOCKET		1	1	1	1		
14	E02 444 05	DRAIN CAP		2	2	2	2		

## PARTS LIST (non-RoHS compliant)

MXZ-4A□0VA - E1

### 15-□ OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



## PARTS LIST (non-RoHS compliant)

**MXZ-4A□0VA - E1**

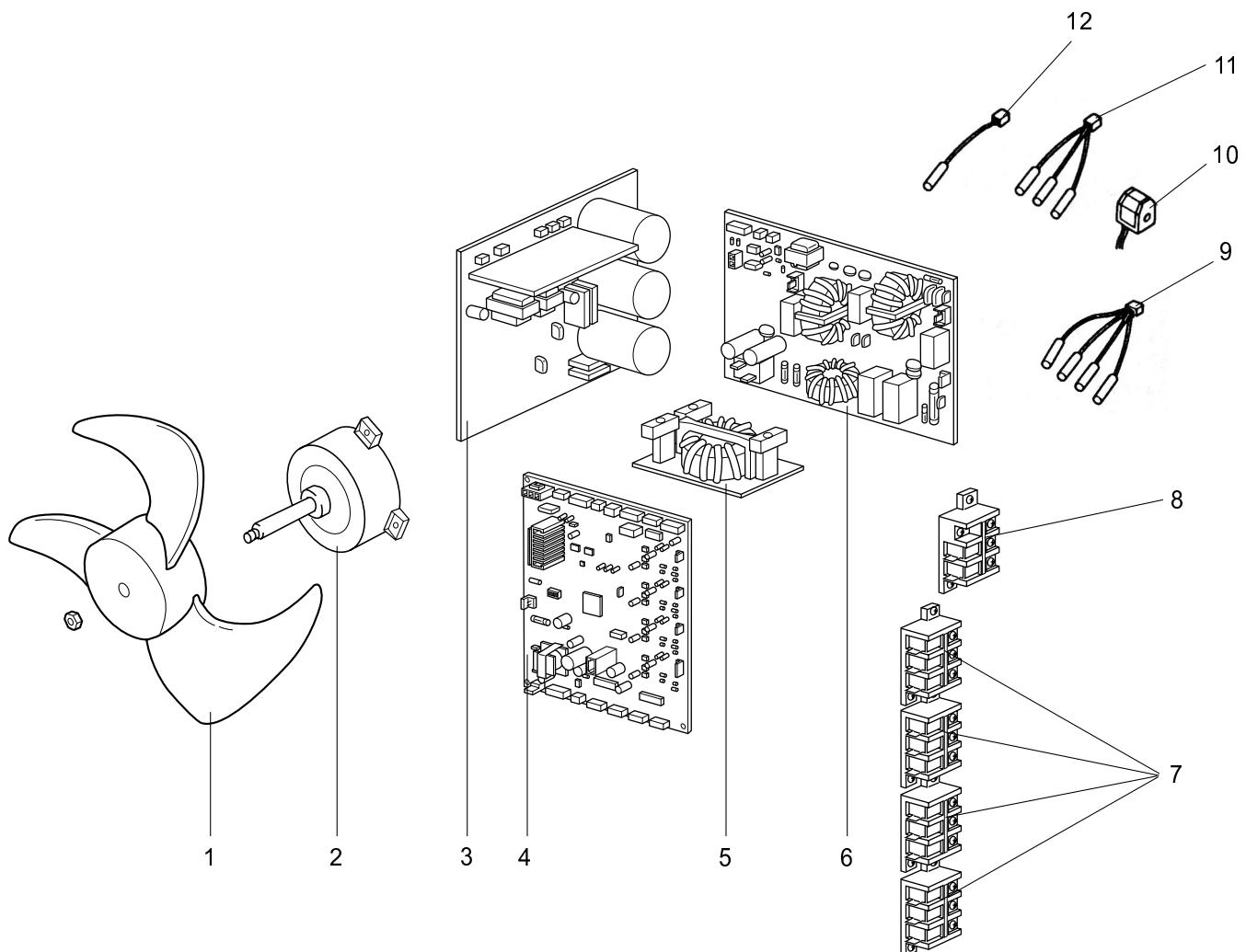
## **15-□ OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS**

No.	Part No.	Part Name	Symbol in Drawing Dia. mm	Unit		Remarks
				MXZ-4A0VA-E1		
1	M21 T00 22	FRONT PANEL		1		
2	M21 T00 02	HANDLE ASSEMBLY		2		
3	M21 T05 010	RILLE		1		
4	M21 T00 245	SERVICE PANEL		1		
5	T02 500 001	COMPRESSOR	MC	1	TN220FMCH	
6	T20 T00 505	COMPRESSOR RECEIVER SET			RUERS SET	
7	R01 E00 401	EXPANSION VALVE		1	Doom	
8	T20 T00 54	LEV COIL	LEV D	1	Doom	
9	R01 E00 401	EXPANSION VALVE		1	Coom	
10	T20 T00 55	LEV COIL	LEV C	1	Coom	
11	R01 E00 401	EXPANSION VALVE		1	oom	
12	T20 T00 52	LEV COIL	LEV	1	oom	
13	R01 E00 401	EXPANSION VALVE		1	Aoom	
14	T20 T00 51	LEV COIL	LEV A	1	Aoom	
15	M21 T00 20	FASE ASSEMBLY		1		
16	M21 42E 044	UNION		1	ø12.0ø52ø15 SET	
17	T20 T00 24	PIPE COVER		1		
18	M21 T05 000	ALL VALVE (LUID)		1	ø52	
19	M21 T00 000	ALL VALVE (AS) 50		1	ø15.0	
20	M21 T00 24	REAR PANEL		1		
21	T20 T00 50	POWER RECEIVER		1		
22	M21 0H 042	4-0A VALVE		1		
23	M21 NT1 04	HIGH PRESSURE SWITCH	HPS	1	4.0 MPa (4000cm <sup>2</sup> )	
24	T20 000 401	EXPANSION VALVE		1	E	
25	T20 T00 51	LEV COIL	LEV E	1		
26	M21 T00 200	TOP PANEL		1		
27	T20 E40 52	REAR GUARD		1		
28	M21 H1 00	OUTDOOR HEAT EXCHANGER		1		
29	M21 T00 24	SIDE PANEL		1		
30	M21 S4 000	CAPILLAR TUBE		2	ø4.0 x ø2.4 x 400	
31	M21 T00 000	CAPILLAR TUBE		4	ø4.0 x ø2.0 x 0	
32	T20 E50 000	CAPILLAR TUBE		1	ø2.5 x ø0.0 x 1000	
33	T20 H1 50	OIL SEPARATOR		1		

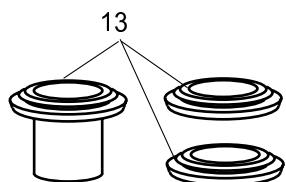
## PARTS LIST (non-RoHS compliant)

MXZ-4A□0VA - □E1

### 15-□ OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



### 15-□ ACCESSOR□



## **PARTS LIST (non-RoHS compliant)**

**MXZ-4A□0VA - E1**

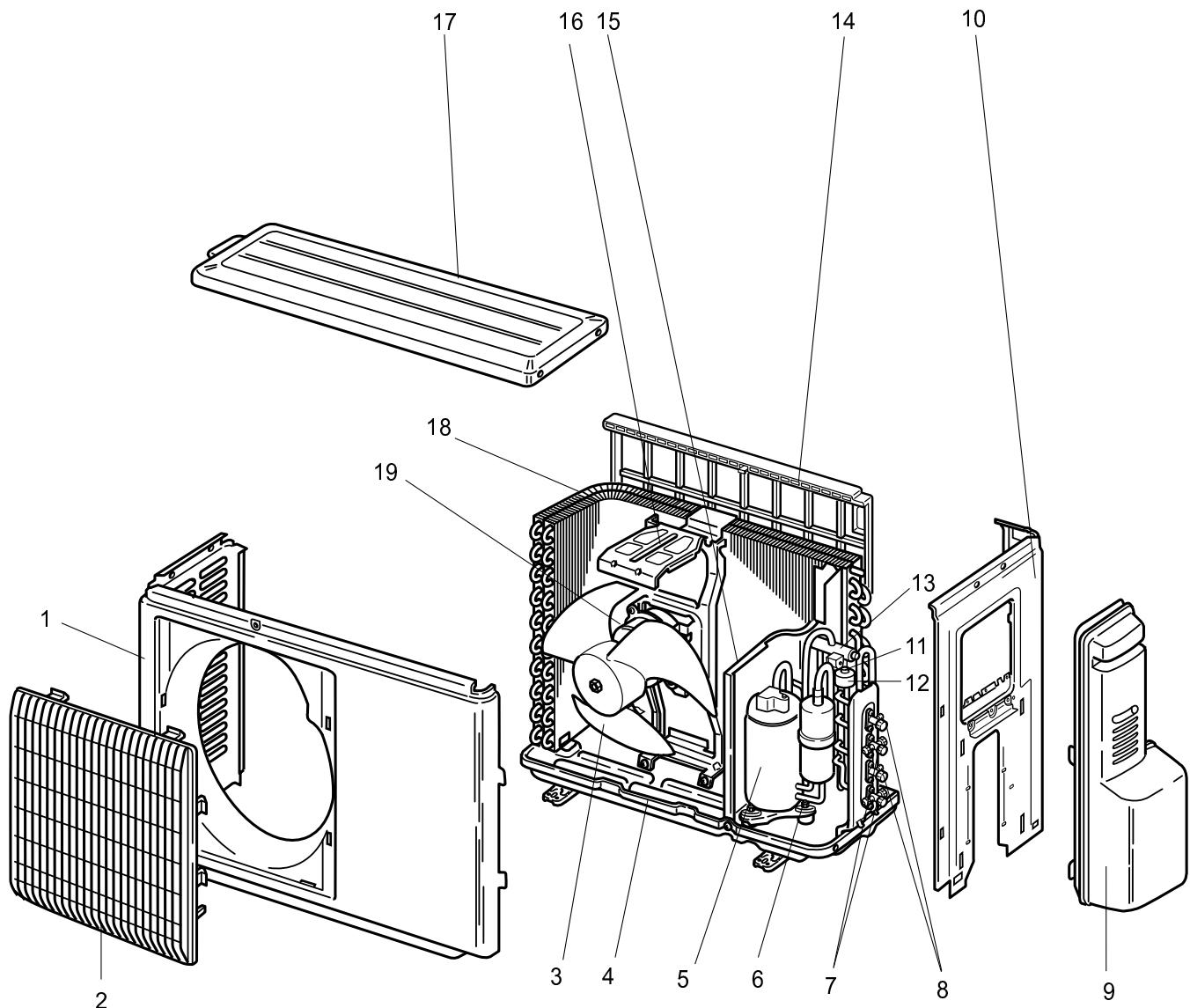
## **15-□ OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS**

No.	Part No.	Part Name	Symbol in circuit Diagram	Unit		Remarks
				MXZ-4A 0VA-E1		
1	M21 T00 501	PROPELLER			1	
2	M21 T00 001	OUTDOOR FAN MOTOR	MF		1	PMH0-00
	T20 H1 440	POWER BOARD			1	Including board and RTD
4	T20 H1 451	ELECTRONIC CONTROL P.C. BOARD			1	
5	M21 T00 000	REACTOR	L		1	20A 00μH
	T20 H1 424	NOISE FILTER P.C. BOARD			1	
	T20 H1 000	TERMINAL LOC	T205		4	Input connection
	T20 E4 000	TERMINAL LOC	T01		1	Power supply
	T20 E0 000	AS PIPE TEMPERATURE THERMISTOR	RTA00CD		1	
10	T20 T00 000	R.V. COIL	21S4		1	
11	M21 0OH 000	THERMISTOR SET	RT112000		1	DEFROST DISCHARGE OUTDOOR HEAT EXCHANGER
12	M21 0V 000	AMBIENT TEMPERATURE THERMISTOR	RT05		1	

## 15-□. ACCESSOR□

No.	Part No.	Part Name	Symbol in in Dia mm	Unit MXZ-4A0VA-E1	Roma
10	T2 E5 04	DRAIN SOCKET ASSEMBLY		1	DRAIN SOCKET x1 DRAIN CAP x2

MXZ-2A□0VA - □E1 □E2 MXZ-2A40VA - □E1 □E2 MXZ-2A52VA - □E1 □E2

**1□1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS**

## **RoHS PARTS LIST (RoHS compliant)**

**MXZ-2A□0VA** -  E1  E2    **MXZ-2A40VA** -  E1  E2    **MXZ-2A52VA** -  E1  E2

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

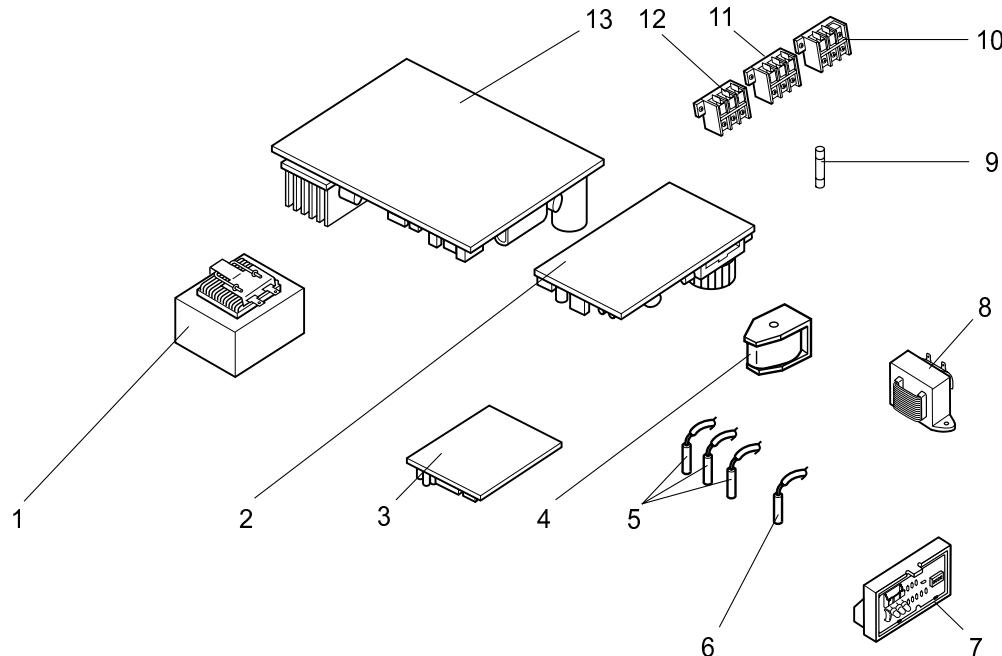
A horizontal row of 20 empty square boxes for writing responses.

No.	RoHS	Part No.	Part Name	Screw in Position Dia/mm	Mounting						Remarks
					E1	E2	E1	E2	E1	E2	
1		E12 20 202	CABINET		1	1	1	1	1	1	
2		E12 20 521	HOLE		1	1	1	1	1	1	
		E12 20 501	PROPELLER		1	1	1	1	1	1	
4		E12 A45 200	BASE		1	1	1	1	1	1	
5		E12 A40 000	COMPRESSOR	MC			1		1		SN100FCH
		E12 00 000	COMPRESSOR	MC	1			1			SN002FEDH
		E12 C04 000	COMPRESSOR	MC						1	SN100FMH
		E12 000 000	COMPRESSOR	MC	1						SN000FDH
		E12 05 500	COMPRESSOR RUMMER SET		□	□	□	□	□	□	□RU00ERSSET
		E12 20 001	STOP VALVE (AS)		2	2	2	2	2	2	φ052
		E12 20 002	STOP VALVE (LUID)		2	2	2	2	2	2	φ05
		E12 A40 245	SERVICE PANEL		1	1	1	1	1	1	
10		E12 A40 200	AC PANEL		1	1	1	1	1	1	
11		E12 05 040	EXPANSION VALVE		1	1	1	1	1	1	ROOM
12		E12 A40 400	EXPANSION VALVE COIL	LEV	1	1	1	1	1	1	
13		E12 A40 001	4-0 VALVE				1		1	1	
		E12 20 001	4-0 VALVE		1	1		1			
14		E12 20 520	CONDENSER NET				1		1	1	
		E12 000 520	CONDENSER NET		1	1		1			
15		E12 20 200	SEPARATOR				1		1	1	
		E12 20 200	SEPARATOR		1	1		1			
16		E12 20 515	MOTOR SUPPORT				1		1	1	
		E12 20 515	MOTOR SUPPORT		1	1		1			
17		E12 20 200	TOP PANEL		1	1	1	1	1	1	
18		E12 A40 000	OUTDOOR HEAT EXCHANGER				1		1	1	
		E12 00 000	OUTDOOR HEAT EXCHANGER		1	1		1			
19		E12 A40 001	OUTDOOR FAN MOTOR	MF	1	1	1	1	1	1	RC050-00
20		E12 000 000	CAPILLAR TUBE				4		4	4	φ0.0×φ1.4×00
		E12 000 000	CAPILLAR TUBE		2	2	2	2	2	2	φ0.0×φ2.0×200
21		E12 05 040	EXPANSION VALVE		1	1	1	1	1	1	ROOM A
22		E12 A40 400	EXPANSION VALVE COIL	LEVA	1	1	1	1	1	1	

## **RoHS PARTS LIST (RoHS compliant)**

**MXZ-2A□0VA** -  E1  E2    **MXZ-2A40VA** -  E1  E2    **MXZ-2A52VA** -  E1  E2

## 1□-2. OUTDOOR UNIT ELECTRICAL PARTS

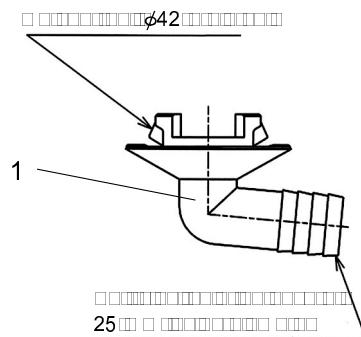


No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Unit						Remarks
					MXZ-2A10VA-		MXZ-2A40VA-		MXZ-2A52VA-		
					E1	E2	E1	E2	E1	E2	
1		E12 000 000	REACTOR	L04	1	1	1	1	1	1	10A 2mH
2		E12 A40 440	POWER P.C. BOARD		1	1	1	1	1	1	
		E12 A40 454	INTERFACE P.C. BOARD		1	1	1	1	1	1	
4		E12 A40 400	R.V. COIL	21S4	1	1	1	1	1	1	
5		E12 A40 000	THERMISTOR SET	RT11200	1	1	1	1	1	1	DEFROST DISCHARGE OUTDOOR HEAT EXCHANGER
		E12 A40 000	AMBIENT TEMPERATURE THERMISTOR	RT5	1	1	1	1	1	1	
		E12 A40 020	DISPLAY P.C. BOARD		1	1	1	1	1	1	
		E12 A40 000	REACTOR	L05	1	1	1	1	1	1	2A 25mH
		E12 005 002	FUSE	F01	1	1	1	1	1	1	T20AL250V
10		E12 A40 004	TERMINAL LOC	T01	1	1	1	1	1	1	POLYMER
11		E12 005 004	TERMINAL LOC	T00	1	1	1	1	1	1	INITIAL CONNECTION
12		E12 005 004	TERMINAL LOC	T02	1	1	1	1	1	1	INITIAL CONNECTION
10		E12 A40 451	INVERTER P.C. BOARD					1			Includin at in an RT/4
		E12 A40 451	INVERTER P.C. BOARD						1		Includin at in an RT/4
		E12 000 451	INVERTER P.C. BOARD		1						Includin at in an RT/4
		E12 001 451	INVERTER P.C. BOARD					1			Includin at in an RT/4
		E12 C04 451	INVERTER P.C. BOARD						1		Includin at in an RT/4
		E12 C50 451	INVERTER P.C. BOARD				1				Includin at in an RT/4

## RoHS PARTS LIST (RoHS compliant)

**MXZ-2A0VA - [E1] [E2] MXZ-2A40VA - [E1] [E2] MXZ-2A52VA - [E1] [E2]**

**1. DRAIN SOCET**



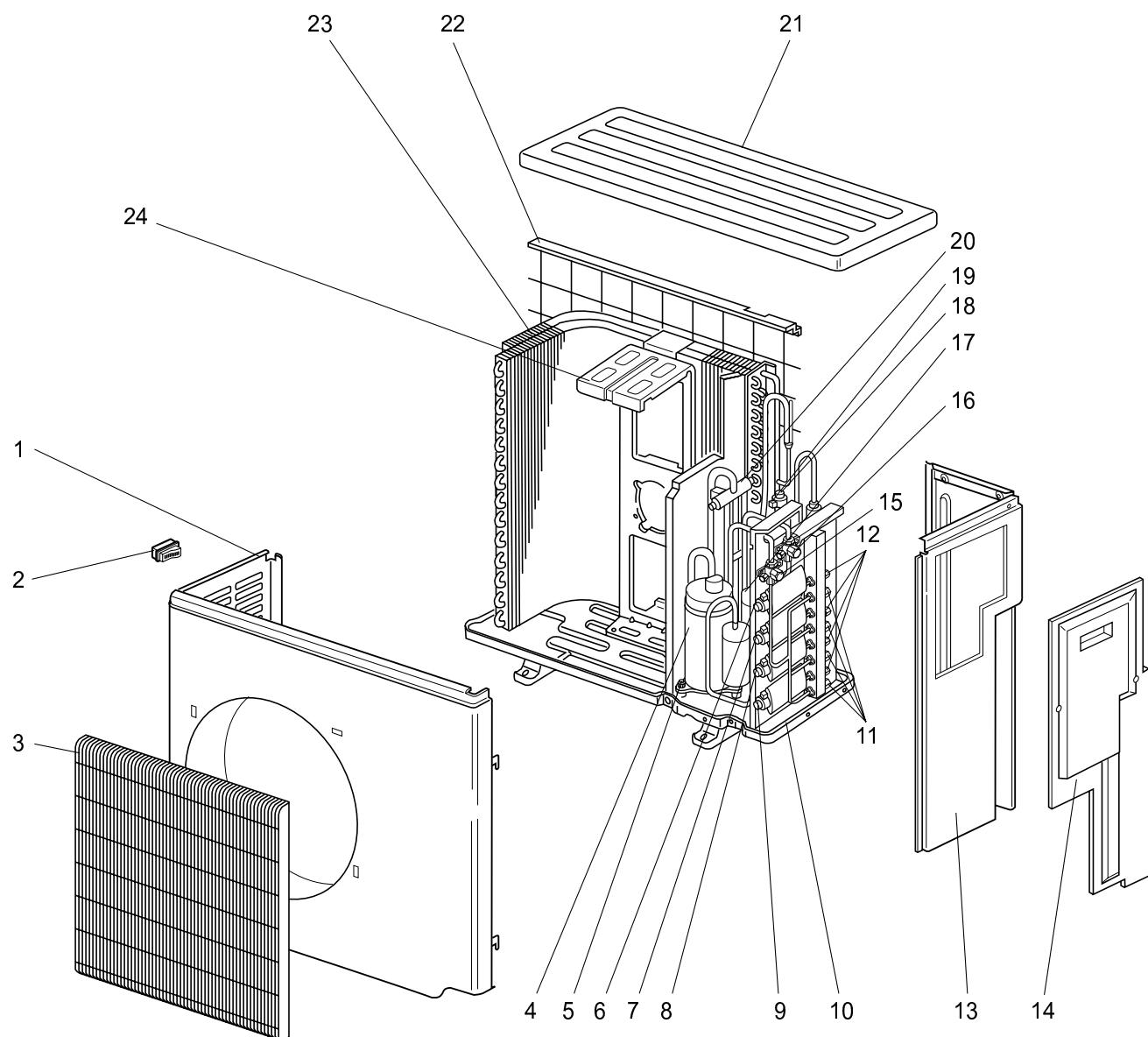
No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Quantity						Remarks	
					MXZ-2A0VA-		MXZ-2A40VA-		MXZ-2A52VA-			
[E1]	[E2]	[E1]	[E2]	[E1]	[E2]	[E1]	[E2]	[E1]	[E2]	[E1]	[E2]	
1		E12 000 04	DRAIN SOCET		1	1	1	1	1	1	1	

## RoHS PARTS LIST (RoHS compliant)

MXZ-□A54VA -  E1  E2  E3  E4

MXZ-4A□1VA -  E1  E2  E3  E4

### 1□4. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



# RoHS PARTS LIST (RoHS compliant)

**MXZ-□A54VA - □E1 □E2 □E□ □E4**

**MXZ-4A□1VA -**  E1  E2  E3  E4

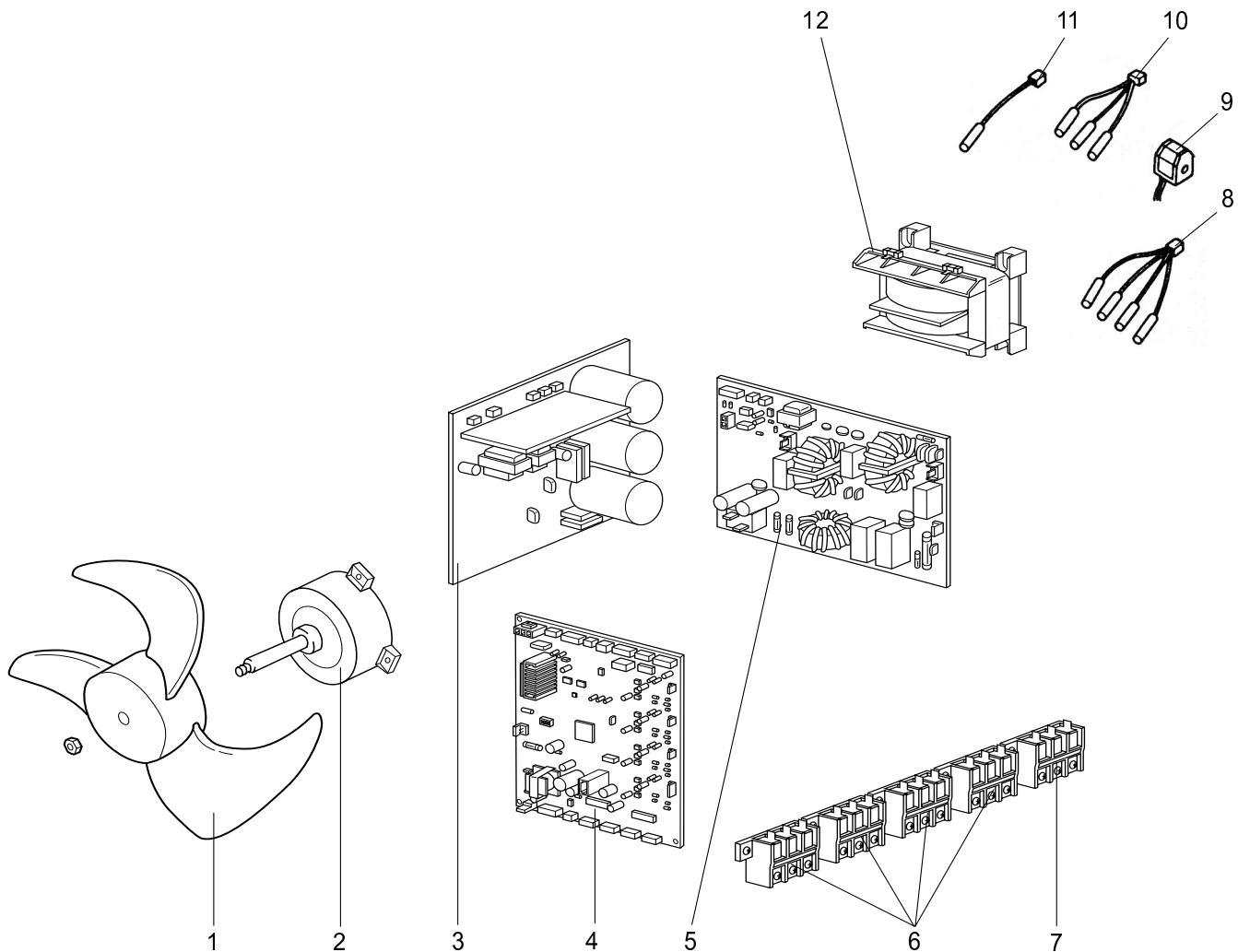
## 1□-4. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

## RoHS PARTS LIST (RoHS compliant)

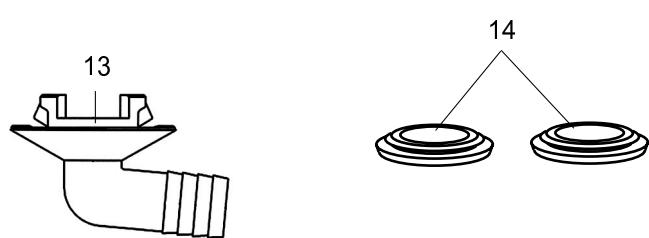
MXZ-□A54VA -  E1  E2  E3  E4

MXZ-4A□1VA -  E1  E2  E3  E4

### 1□-5. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



### 1□-□ ACCESSORI



# RoHS PARTS LIST (RoHS compliant)

**MXZ-□A54VA - □E1 □E2 □E□ □E4**

**MXZ-4A□1VA -** [E1] [ ] E2 [ ] E□ [ ] E4

## 1□-5. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

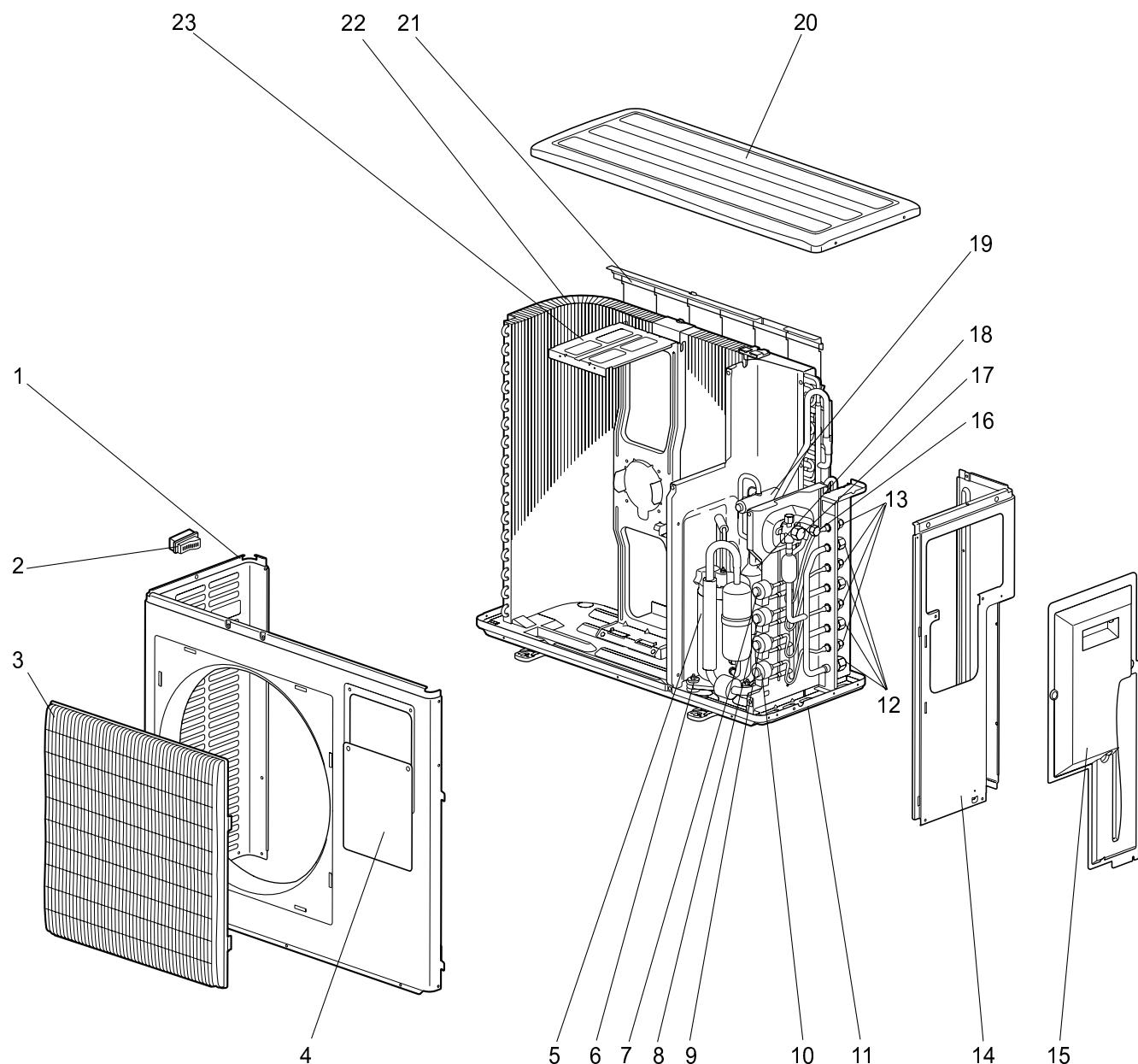
## 1. ACCESSORIES

## RoHS PARTS LIST (RoHS compliant)

MXZ-□A54VA - [E5] [E6] [E7]

MXZ-4A□1VA - [E5] [E6] [E7]

### 1 □-□ OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



# RoHS PARTS LIST (RoHS compliant)

**MXZ-□A54VA - E5 □ E□ E□**

**MXZ-4A 1VA -** E5 E E

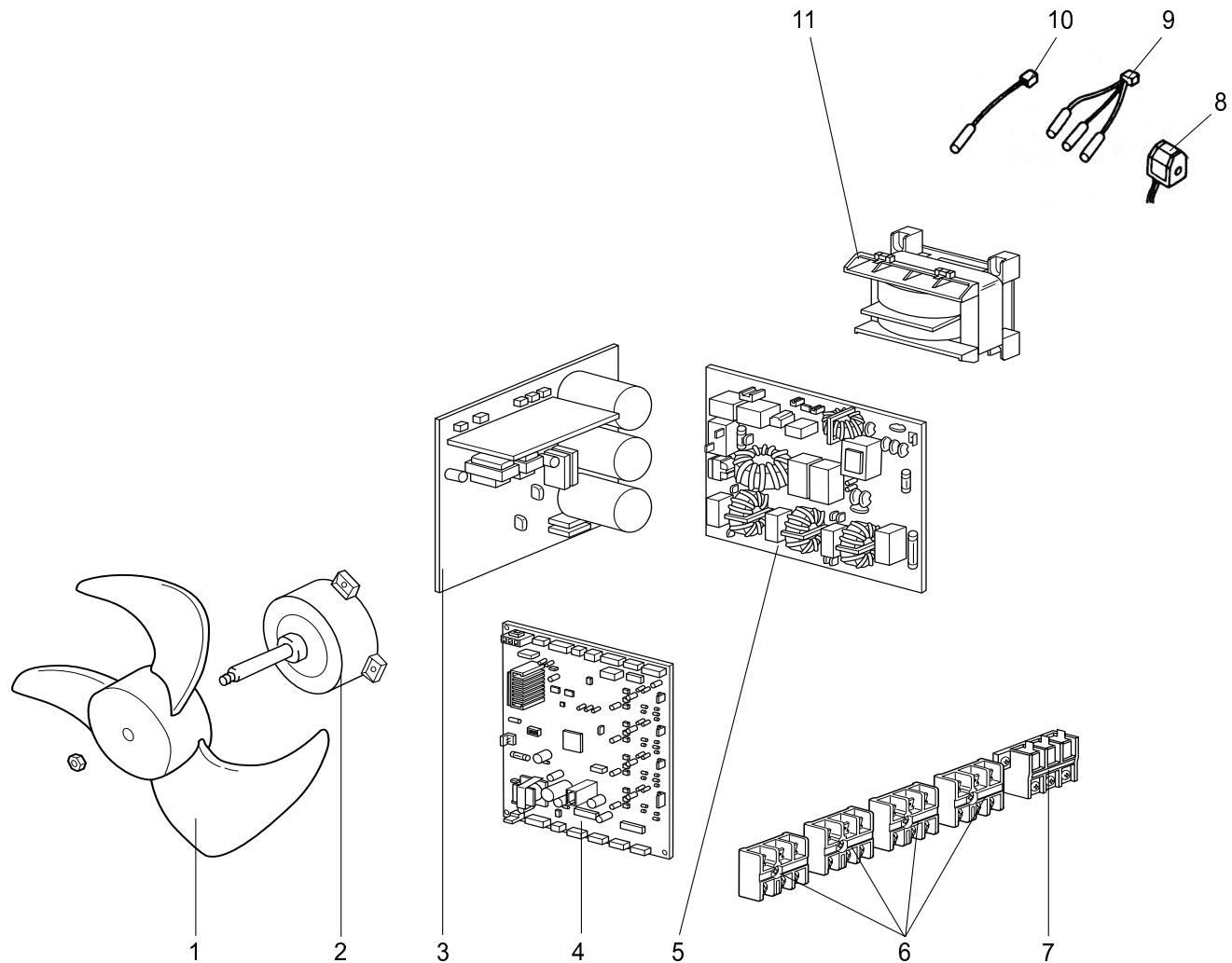
## 1-1 OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

## RoHS PARTS LIST (RoHS compliant)

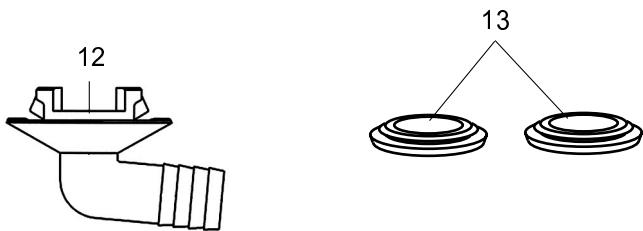
MXZ-□A54VA - □E □E □E

MXZ-4A□1VA - □E □E □E

### 1□-□ OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



### 1□-□ ACCESSORI



# RoHS PARTS LIST (RoHS compliant)

**MXZ-□A54VA - E5 □ E□ E□**

**MXZ-4A 1VA -**  E5  E  E

## 1 OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

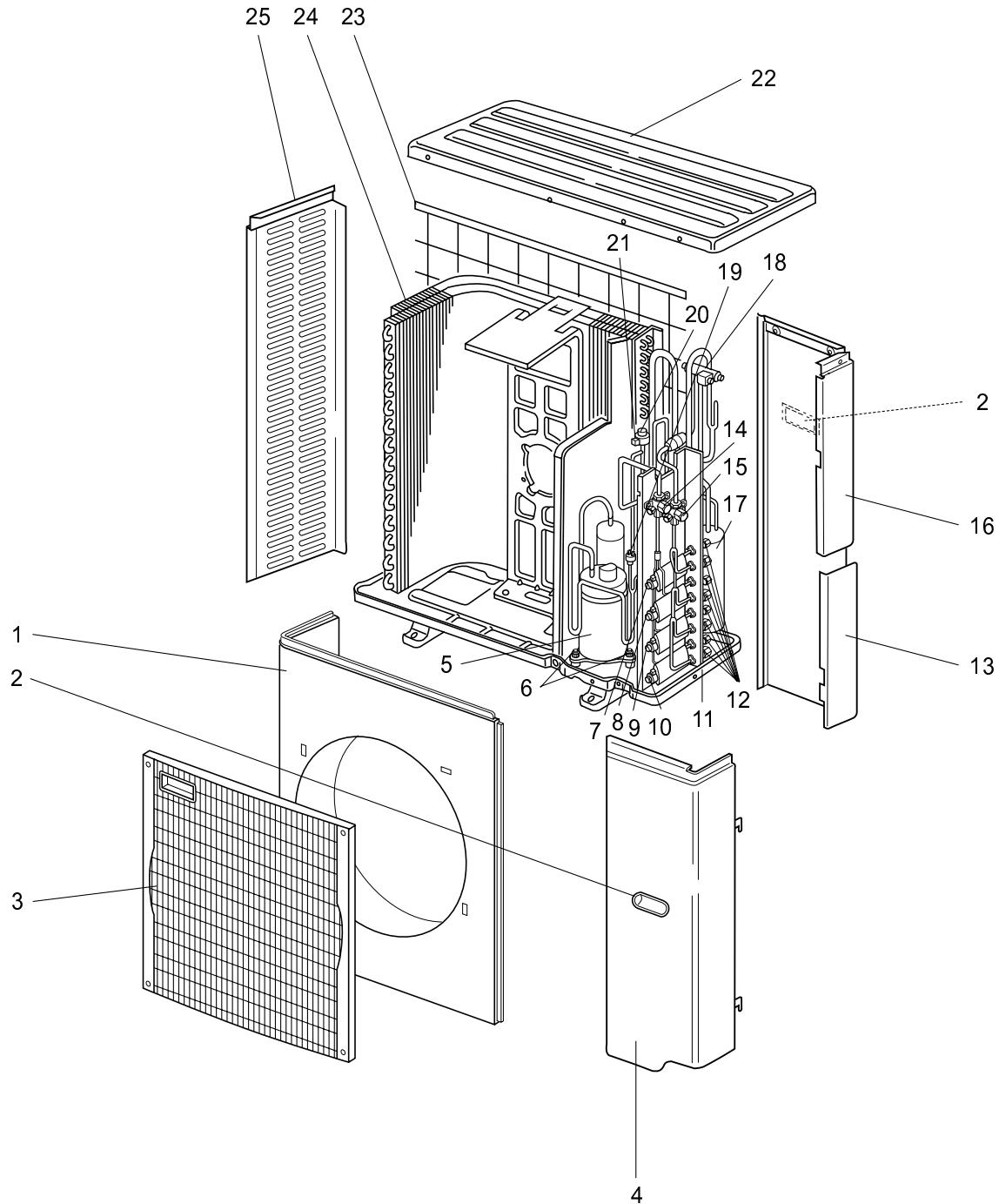
## 1 ACCESSORIES

No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Attribute						Remarks
					MXZ-□A54VA-			MXZ-4A□1VA-			
E5	E6	E7	E5	E6	E7						
12	□	E12 1□ 004	DRAIN SOCKET		1	1	1	1	1	1	
10	□	E12 444 005	DRAIN CAP		2	2	2	2	2	2	

# RoHS PARTS LIST (RoHS compliant)

MXZ-4A□0VA - □E1

## 1□-10. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



## **RoHS PARTS LIST (RoHS compliant)**

**MXZ-4A□0VA - E1**

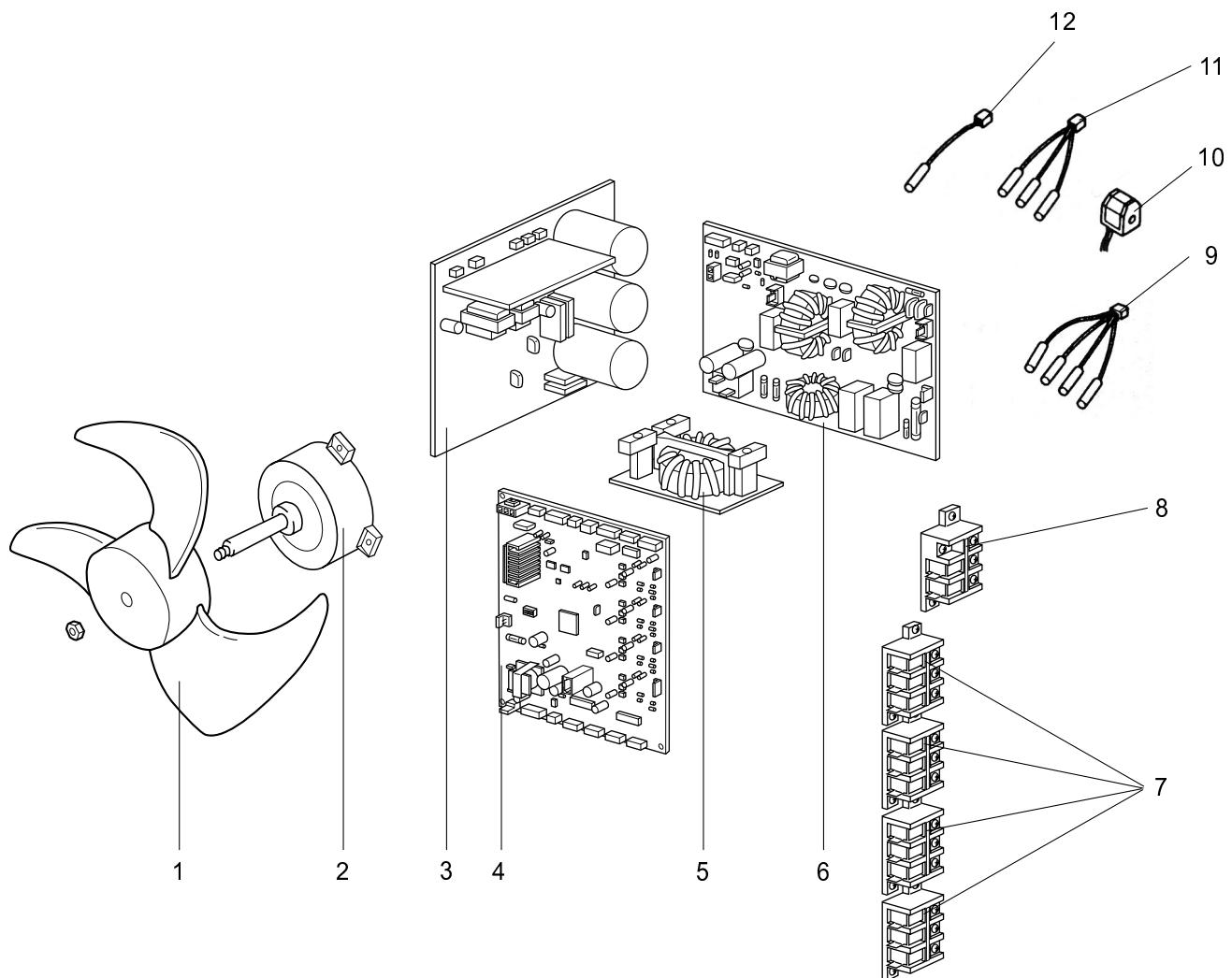
## 1□-10. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

No.	RoHS	Part No.	Part Name	Symbol in Drawing Diagram	Unit		Remarks
					MXZ-4A0VA-E1		
1		M21 L2V 202	FRONT PANEL		1		
2		M21 L2V 020	HANDLE ASSEMBLY		2		
		M21 L2V 010	RILLE		1		
4		M21 L2V 245	SERVICE PANEL		1		
5		T2 505 01	COMPRESSOR	MC	1	TN 220FMCH	
		M21 L2V 505	COMPRESSOR RUMMER SET		□	RUMLERS SET	
		M21 L2V 401	EXPANSION VALVE		1	Doom	
		M21 L2V 054	LEV COIL	LEV D	1	Doom	
		M21 L2V 401	EXPANSION VALVE		1	Coom	
		M21 L2V 050	LEV COIL	LEV C	1	Coom	
		M21 L2V 401	EXPANSION VALVE		1	oom	
		M21 L2V 052	LEV COIL	LEV □	1	oom	
10		M21 L2V 401	EXPANSION VALVE		1	Aoom	
		M21 L2V 051	LEV COIL	LEVA	1	Aoom	
11		M21 L2V 200	FASE ASSEMBLY		1		
12		M21 L2V 044	UNION		1	φ12.0φ52φ1.5SET	
13		M21 L2V 240	PIPE COVER		1		
14		M21 L2V 000	ALL VALVE (LUID)		1	φ 52	
15		M21 L2V 000	ALL VALVE (AS) 500		1	φ 15.0	
16		M21 L2V 240	REAR PANEL		1		
17		M21 L2V 050	POWER RECEIVER		1		
18		M21 L2V 042	4-A VALVE		1		
19		M21 L2V 040	HIGH PRESSURE SWITCH	HPS	1	4.0 MPa (4000cm <sup>2</sup> )	
20		M21 L2V 402	EXPANSION VALVE		1	E	
21		M21 L2V 051	LEV COIL	LEV E	1		
22		M21 L2V 200	TOP PANEL		1		
23		M21 L2V 520	REAR GUARD		1		
24		M21 L2V 000	OUTDOOR HEAT EXCHANGER		1		
25		M21 L2V 240	SIDE PANEL		1		
(2)		M21 L2V 000	CAPILLAR TUBE		2	φ4.0×φ2.4×400	
(2)		M21 L2V 000	CAPILLAR TUBE		4	φ4.0×φ2.0×100	
(2)		M21 L2V 000	CAPILLAR TUBE		1	φ2.5×φ0.0×1000	
(2)		M21 L2V 050	OIL SEPARATOR		1		

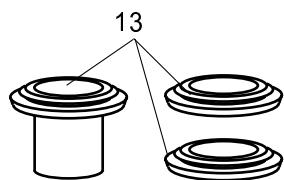
## RoHS PARTS LIST (RoHS compliant)

MXZ-4A□0VA - □E1

### 1□-11. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



### 1□-12. ACCESSOR□



# RoHS PARTS LIST (RoHS compliant)

**MXZ-4A□0VA - E1**

## 10-11. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Unit		Remarks
					MXZ-4A0VA-E1		
1		M21 L2V 501	PROPELLER			1	
2		M21 L2V 001	OUTDOOR FAN MOTOR	MF		1	PMH-0-□□
		T2 L2V 440	POWER BOARD			1	Including board and RTD
4		T2 L2V 451	ELECTRONIC CONTROL P.C. BOARD			1	
5		M21 L2V □□□	REACTOR	L		1	20A □00μH
		T2 L2V 424	NOISE FILTER P.C. BOARD			1	
		T2 L2V □□□	TERMINAL LOC	T 2□5		4	Indoor unit connection
		T2 L2V □□□	TERMINAL LOC	T 1		1	Power supply
		M21 L2V 00 □AS PIPE TEMPERATURE THERMISTOR		RT A C D		1	
10		T2 L2V □□□	R.V. COIL	21S4		1	
11		M21 L2V 00 □THERMISTOR SET		RT 1 2 □□		1	DEFROST DISCHARGE OUTDOOR HEAT EXCHANGER
12		M21 L2V 00 □AMBIENT TEMPERATURE THERMISTOR		RT 5		1	

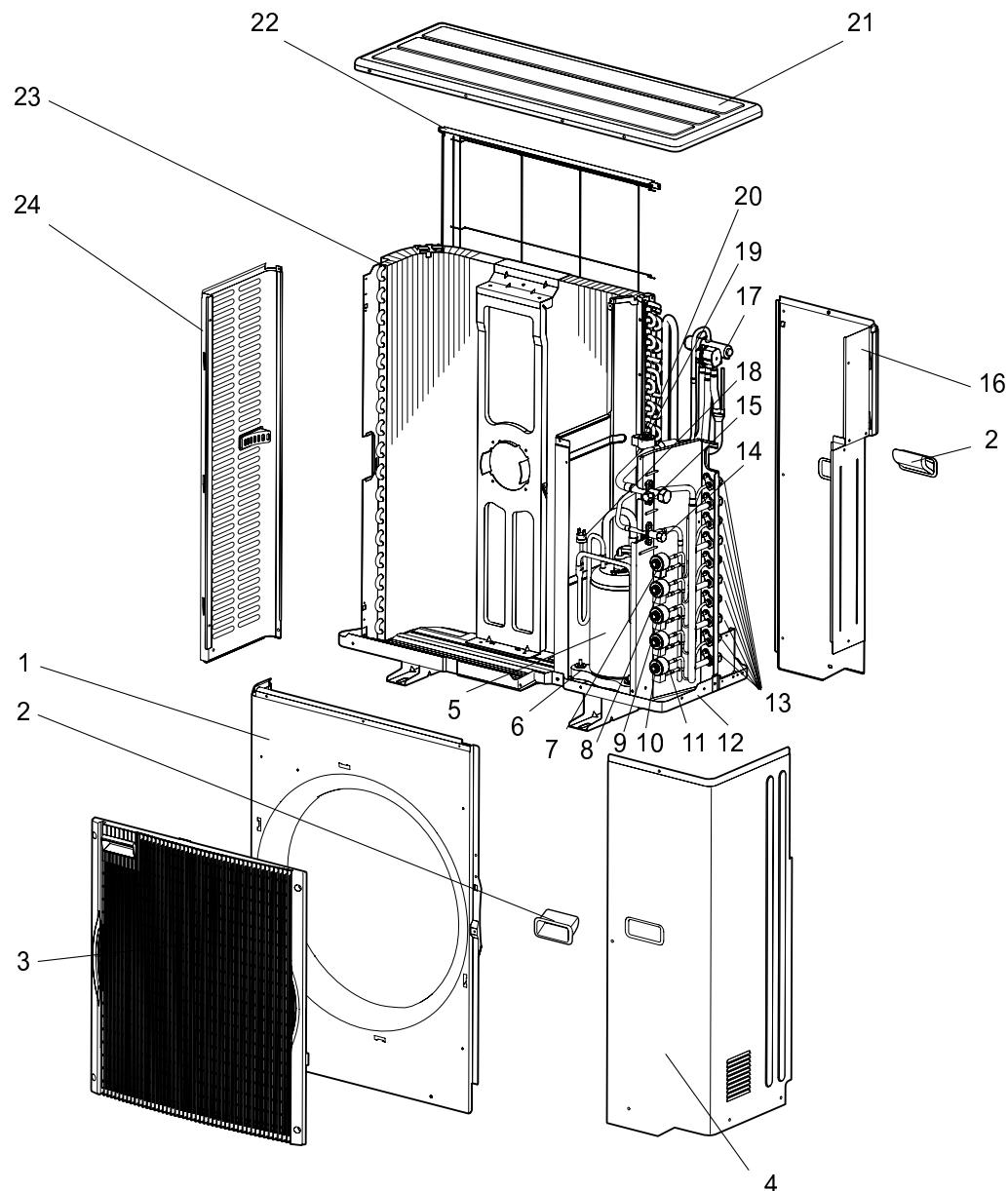
## 1-12. ACCESSOR

No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Outline		Remarks
					Width	Height	
1		T20 L2V 04	DRAIN SOCKET ASSEMBLY		1	1	DRAIN SOCKET x 1 DRAIN CAP x 2

## RoHS PARTS LIST (RoHS compliant)

MXZ-4A□0VA - □E2 MXZ-5A100VA - □E1

### 1□-1□ OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



## **RoHS PARTS LIST (RoHS compliant)**

**MXZ-4A 0VA - E2**   **MXZ-5A 100VA - E1**

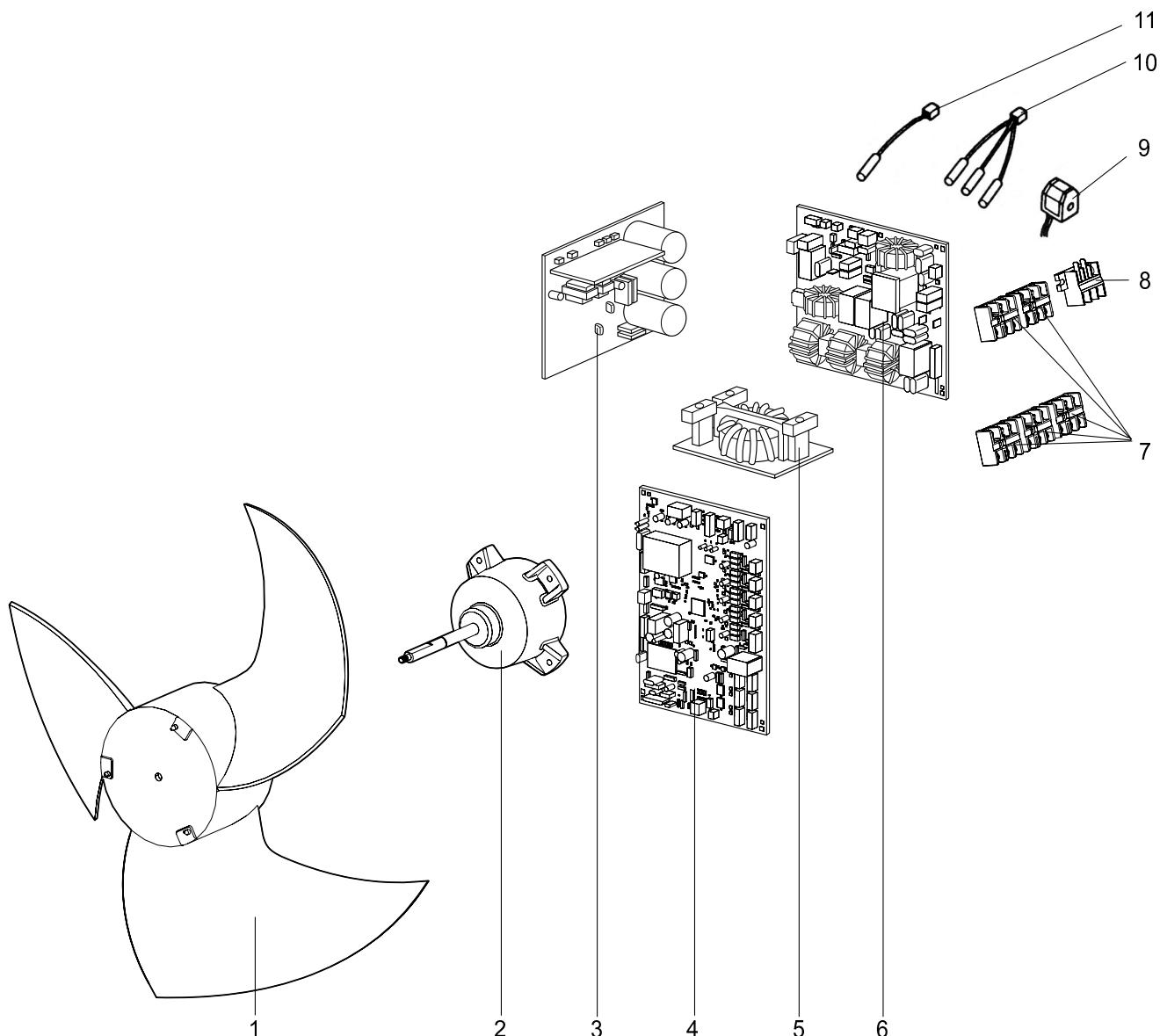
## 10-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

No.	RoHS	Part No.	Part Name	Symbol in Schematic Diagram	Quantity		Remarks
					MXZ-4A0VA-E2	MXZ-5A100VA-E1	
1		M21 0A2 202	FRONT PANEL		1	1	
2		M21 0A2 020	HANDLE ASSEMBLY		2	2	
		M21 L2V 010	RILLE		1	1	
4		M21 0A2 245	SERVICE PANEL		1	1	
5		T2 505 001	COMPRESSOR	MC	1	1	TN 220FMCH
		M21 L2V 505	COMPRESSOR RECEIVER SET				RECEIVERS SET
		M21 L2V 401	EXPANSION VALVE			1	Eoom
		M21 0A2 051	LEV COIL	LEV E		1	Eoom
		M21 L2V 401	EXPANSION VALVE		1	1	Doom
		M21 L2V 054	LEV COIL	LEV D	1	1	Doom
		M21 L2V 401	EXPANSION VALVE		1	1	Coom
		M21 L2V 050	LEV COIL	LEV C	1	1	Coom
10		M21 L2V 401	EXPANSION VALVE		1	1	oom
		M21 L2V 052	LEV COIL	LEV F	1	1	oom
11		M21 L2V 401	EXPANSION VALVE		1	1	Aoom
		M21 L2V 051	LEV COIL	LEV A	1	1	Aoom
12		M21 0A2 200	BASE ASSEMBLY		1	1	
13		M21 0A2 044	UNION		1	1	Ø12.Ø15.Ø15.5 SET
14		M21 0A2 000	STOP VALVE (LUID) 000		1	1	Ø.52
15		M21 0A2 000	STOP VALVE (AS) 500		1	1	Ø15.00
16		M21 0A2 240	REAR PANEL		1	1	
17		M21 L2V 042	4-AWAY VALVE		1	1	
18		M21 L2V 040	HIGH PRESSURE SWITCH	HPS	1	1	4.0 MPa (40.000 cm <sup>2</sup> )
19		M21 L2V 402	EXPANSION VALVE		1		F
		M21 0A2 402	EXPANSION VALVE			1	F
20		M21 0A2 052	LEV COIL	LEV F	1	1	
21		M21 L2V 200	TOP PANEL		1	1	
22		M21 0A2 520	REAR GUARD		1	1	
23		M21 0A2 000	OUTDOOR HEAT EXCHANGER		1		
24		T2 0A2 000	OUTDOOR HEAT EXCHANGER			1	
25		M21 L2V 240	SIDE PANEL		1	1	
26		M21 L2V 050	POWER RECEIVER		1	1	
27		M21 0A2 000	CAPILLAR TUBE		2	2	Ø0.0xØ2.0x100
28		M21 0A2 000	CAPILLAR TUBE		4	5	Ø4.0xØ2.0x100
29		M21 L2V 000	CAPILLAR TUBE		1	1	Ø2.5xØ0.0x1000
30		M21 L2V 050	OIL SEPARATOR		1	1	

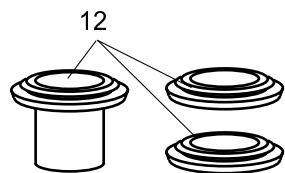
## RoHS PARTS LIST (RoHS compliant)

MXZ-4A□0VA - □E2 MXZ-5A100VA - □E1

### 1□-14. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS



### 1□-15. ACCESSOR□



# RoHS PARTS LIST (RoHS compliant)

**MXZ-4A 0VA - E2**    **MXZ-5A100VA - E1**

## 1□-14. OUTDOOR UNIT FUNCTIONAL PARTS AND ELECTRICAL PARTS

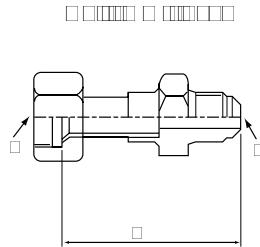
No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Unit		Remarks
					MXZ-4A0VA-[E2]	MXZ-5A100VA-[E1]	
1	□	M21 L2V 501	PROPELLER		1	1	
2	□	M21 L2V 001	OUTDOOR FAN MOTOR	MF	1	1	PMH0-□□
	□	M21 0A1 440	POWER BOARD		1	1	Including heat sink RT4
4	□	T2 0A0 451	ELECTRONIC CONTROL P.C. BOARD		1		
	□	T2 0A2 451	ELECTRONIC CONTROL P.C. BOARD			1	
5	□	M21 L2V □□□	REACTOR	L	1	1	20A □00μH
	□	M21 0A0 424	NOISE FILTER P.C. BOARD		1	1	
	□	T2 0A2 □□□	TERMINAL LOC	T□2□□	4	5	Input unit connection
	□	T2 L2V □□□	TERMINAL LOC	T□1	1	1	Power supply
	□	T2 L2V □□□	R.V. COIL	21S4	1	1	
10	□	M21 L2V 00	THERMISTOR SET	RT1□2□□	1	1	DEFROST DISCHARGE OUTDOOR HEAT EXCHANGER
11	□	M21 0A2 00	AMBIENT TEMPERATURE THERMISTOR	RT 5	1	1	

## 1-15. ACCESSOR

No.	RoHS	Part No.	Part Name	Symbol in circuit Diagram	Component		Remarks
					MXZ-4A10VA-E2	MXZ-5A100VA-E1	
12	□	T2 L2V 04	DRAIN SOCKET ASSEMBLY		1	1	DRAIN SOCKET x 1 DRAIN CAP x 2

## 1□-1. DIFFERENT-DIAMETER PIPE

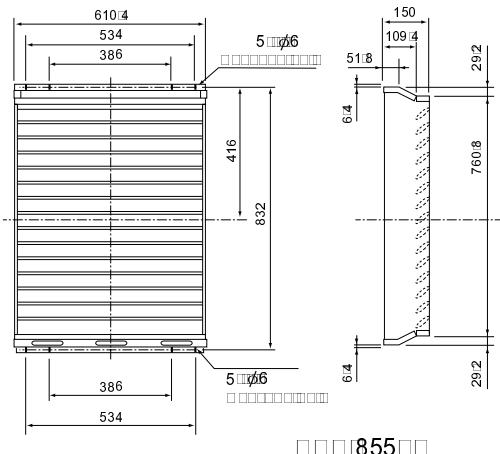
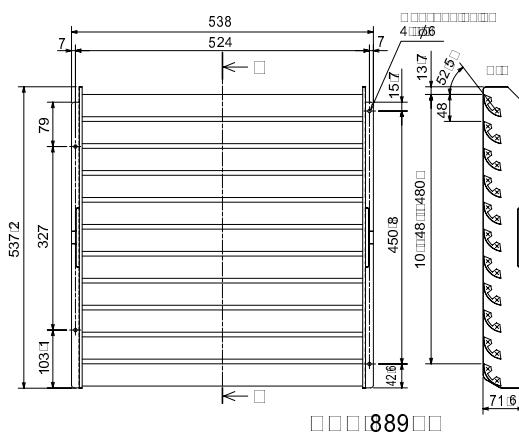
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	□ □□□□455□□	▫127□ ▫952□ □2□□□□□38□	▫127□ 112□	▫952□ 38□	65
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	□□□493□□	▫635□ ▫952□ 114□□□□38□	▫635□ 114□	▫952□ 38□	60.5
	□□□□□76□□□	▫952□ ▫1588 38□□□□58□	▫952□ 38□	▫1588 58□	101.5



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1-2 OUTLET GUIDE

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