

OUTDOOR UNIT

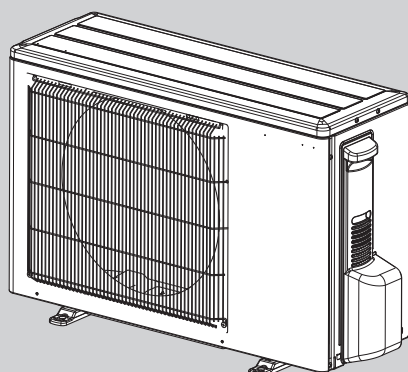
PARTS CATALOG



No. OBB895
REVISED EDITION-A

Models

MUFZ-KW25VGHZ - **E1**
MUFZ-KW35VGHZ - **E1**
MUFZ-KW50VGHZ - **E1**
MUFZ-KW60VGHZ - **E1**
MUFZ-KW25VGHZ2 - **E1**
MUFZ-KW35VGHZ2 - **E1**
MUFZ-KW50VGHZ2 - **E1**
MUFZ-KW60VGHZ2 - **E1**



MUFZ-KW25VGHZ **MUFZ-KW25VGHZ2**
MUFZ-KW35VGHZ **MUFZ-KW35VGHZ2**

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SERVICE MANUAL (OBH895)

Revision A:

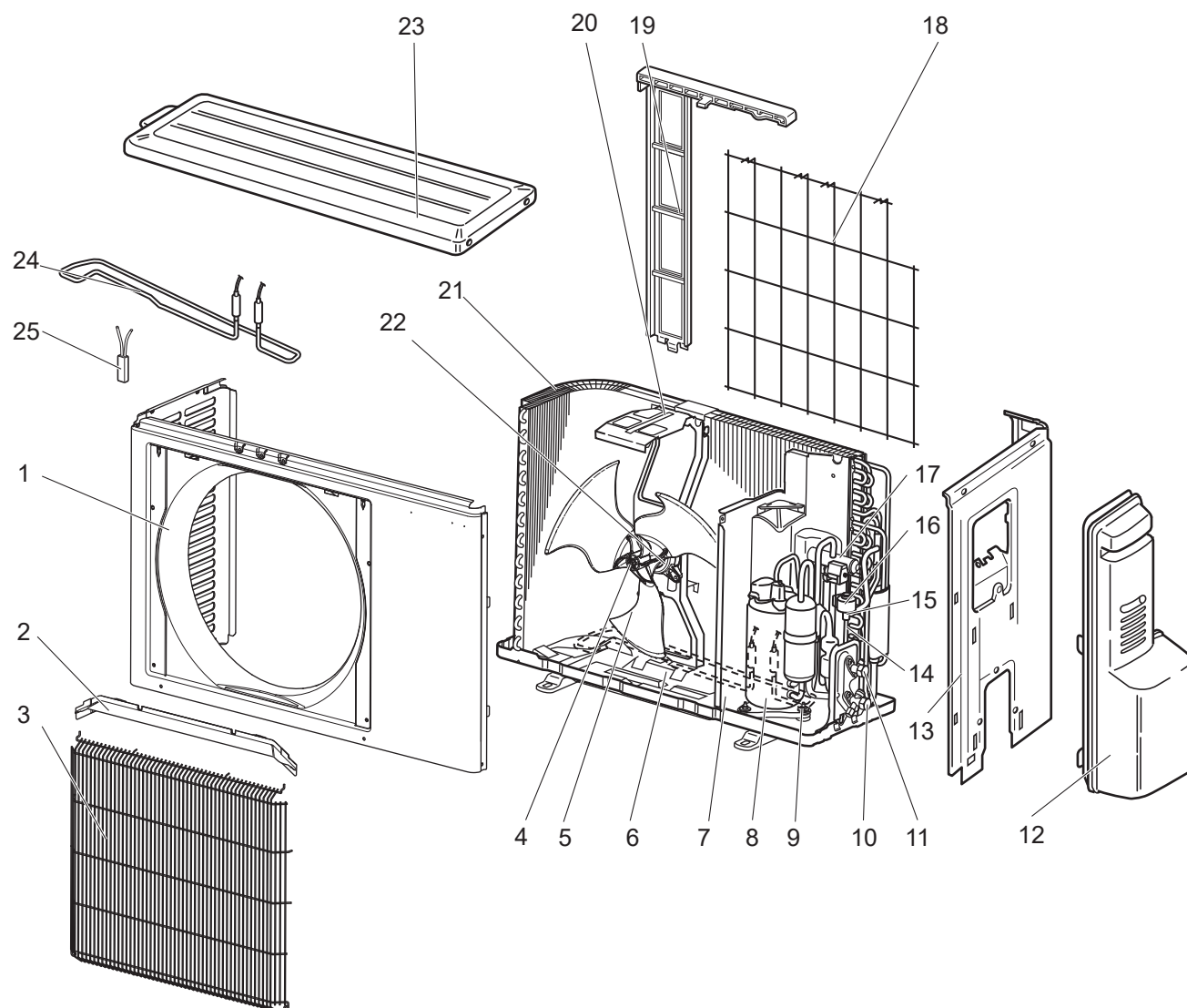
• MUFZ-KW25/35/50/60VGHZ2-**E1** have been added.

1

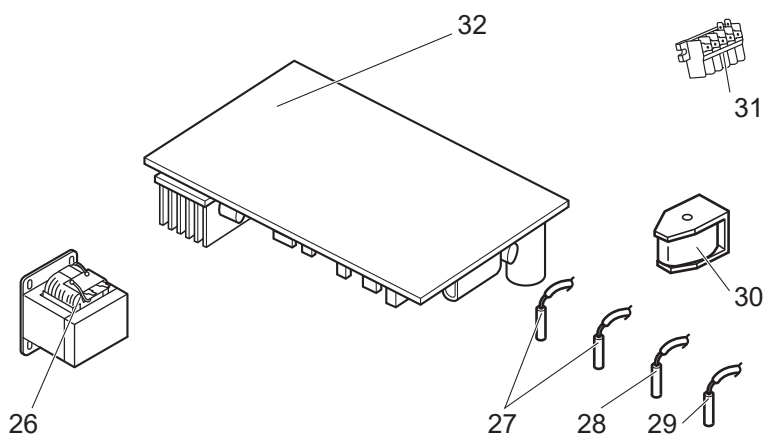
SERVICE PARTS LIST

MUFZ-KW25VGHZ MUFZ-KW35VGHZ

1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



1-2. OUTDOOR UNIT ELECTRICAL PARTS



1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

No.	Part No.	Part Name	MUFZ-KW25VGHZ - [E1]	MUFZ-KW35VGHZ - [E1]	Symbol in Wiring Diagram	Remarks
1	E22 J63 232	CABINET	1	1		
2	E22 J63 531	ICE GUARD	1	1		
3	E22 Y84 521	GRILLE	1	1		
4	E27 L05 508	PROPELLER FAN NUT	1	1		
5	E22 95B 501	PROPELLER FAN	1	1		
6	E22 Y96 290	BASE	1	1		
7	E22 G14 293	SEPARATOR	1	1		
8	E22 R83 900	COMPRESSOR	1	1	MC	SVB130FBBMT
9	E22 C34 506	COMPRESSOR RUBBER SET	3	3		3 RUBBERS/SET
10	E22 T66 661	STOP VALVE (GAS)	1	1		ø9.52
11	E22 T66 662	STOP VALVE (LIQUID)	1	1		ø6.35
12	E22 L59 245	SERVICE PANEL	1	1		
13	E22 G15 233	BACK PANEL	1	1		
14	E22 21G 645	EXPANSION VALVE ASSEMBLY	1	1		Includes LEV body and capillary tube
15	E22 Y84 640	EXPANSION VALVE	1	1		
16	E22 Y84 493	EXPANSION VALVE COIL	1	1	LEV	
17	E22 R81 961	4-WAY VALVE	1	1		
18	E22 930 525	CONDENSER WIRE NET	1	1		
19	E22 930 523	CONDENSER NET	1	1		
20	E22 14F 515	MOTOR SUPPORT	1	1		
21	E22 Y84 630	OUTDOOR HEAT EXCHANGER	1	1		
22	E22 97B 301	OUTDOOR FAN MOTOR	1	1	MF	RC0J50-□□
23	E22 L85 297	TOP PANEL	1	1		
24	E22 Y96 526	DEFROST HEATER	1	1	H	Includes lead assembly
25	E22 D65 381	HEATER PROTECTOR	1	1	26H	

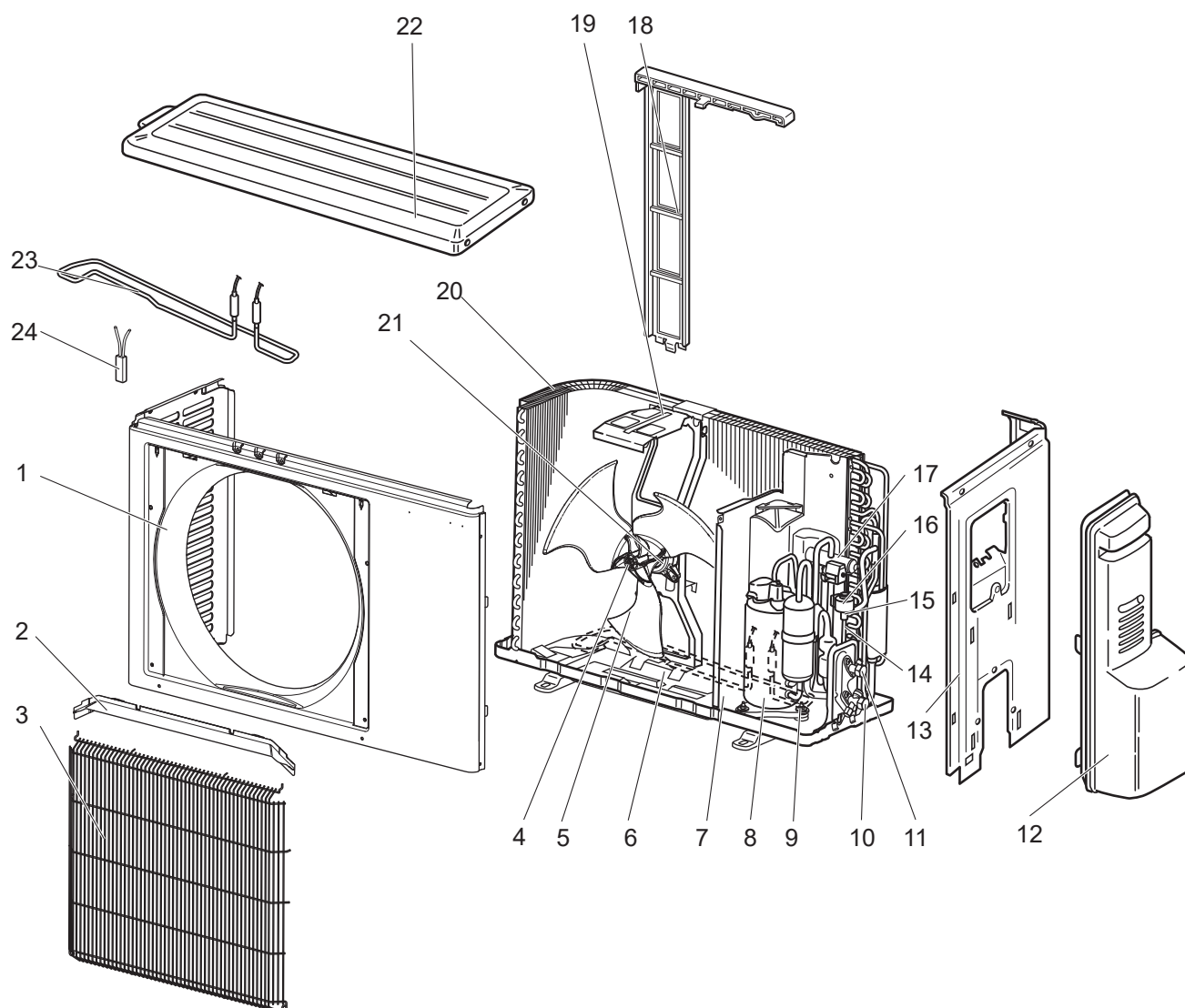
1-2. OUTDOOR UNIT ELECTRICAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

No.	Part No.	Part Name	MUFZ-KW25VGHZ - [E1]	MUFZ-KW35VGHZ - [E1]	Symbol in Wiring Diagram	Remarks
26	E22 20A 337	REACTOR	1	1	L61	
27	E22 R81 306	THERMISTOR SET	1	1	RT61, RT62	DEFROST, DISCHARGE TEMPERATURE
28	E22 D65 308	AMBIENT TEMPERATURE THERMISTOR	1	1	RT65	Cased sensor in holder
29	E22 P72 307	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	1	1	RT68	
30	E22 R81 490	R.V. COIL	1	1	21S4	
31	E22 T95 374	TERMINAL BLOCK	1	1	TB1	5P
32	E22 62R 451	INVERTER P.C. BOARD	1			Includes heat sink and RT64
32	E22 63R 451	INVERTER P.C. BOARD		1		Includes heat sink and RT64

MUFZ-KW25VGHZ2 MUFZ-KW35VGHZ2

1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

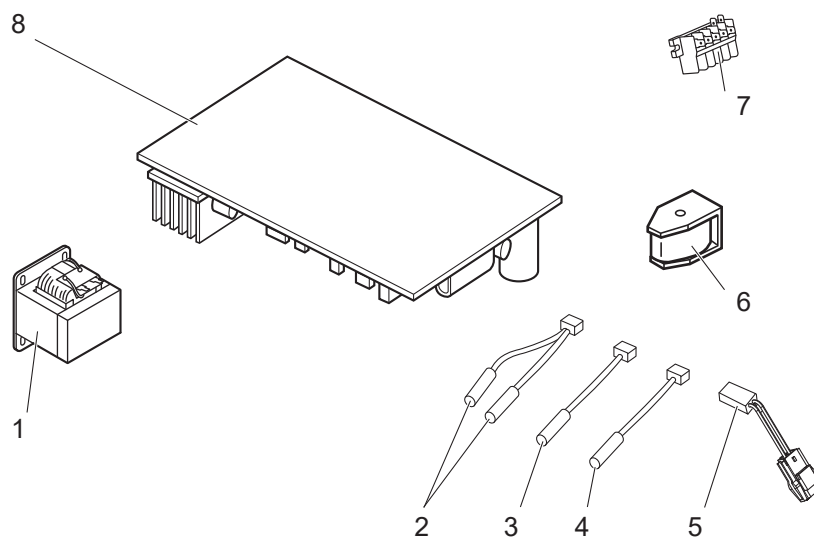
1. The part quantity below indicates the required number of pieces per unit.

2. The circled No. indicates that the part is not shown in the figure.

No.	Part No.	Part Name	MUFZ-KW25VGHZ2- E1	MUFZ-KW35VGHZ2- E1	Symbol in Wiring Diagram	Remarks
1	E22 0Y3 232	CABINET	1	1		
2	E22 J63 531	ICE GUARD	1	1		
3	E22 Y84 521	GRILLE	1	1		
4	E27 L05 508	PROPELLER FAN NUT	1	1		
5	E22 95B 501	PROPELLER FAN	1	1		
6	E22 1Z5 290	BASE	1	1		
7	E22 G14 293	SEPARATOR	1	1		
8	E22 0Y3 900	COMPRESSOR	1	1	MC	SVB130FCHMT
9	E22 C34 506	COMPRESSOR RUBBER SET	3	3		3 RUBBERS/SET
10	E22 T66 661	STOP VALVE (GAS)	1	1		ø9.52
11	E22 43J 662	STOP VALVE (LIQUID)	1	1		ø6.35
12	E22 0Y3 245	SERVICE PANEL	1	1		
13	E22 0Y3 233	BACK PANEL	1	1		
14	E22 0Y3 645	EXPANSION VALVE ASSEMBLY	1	1		Includes LEV body and capillary tube (ø3.0 × ø1.8 × 240)
15	E22 9H2 640	EXPANSION VALVE	1	1		
16	E22 83Y 493	EXPANSION VALVE COIL	1	1	LEV	
17	E22 39G 961	4-WAY VALVE	1	1		
18	E22 930 523	CONDENSER NET	1	1		
19	E22 14F 515	MOTOR SUPPORT	1	1		
20	E22 Y84 630	OUTDOOR HEAT EXCHANGER	1	1		
21	E22 97B 301	OUTDOOR FAN MOTOR	1	1	MF	RC0J50-□□
22	E22 L85 297	TOP PANEL	1	1		
23	E22 Y96 526	DEFROST HEATER	1	1	H	
24	E22 D65 381	HEATER PROTECTOR	1	1	26H	
(25)	—	BRAND LABEL	1	1		DK79G041H02
(26)	—	LEAD ASSY COMP	1	1		DM78R027G28
(27)	—	COMP FELT(TOP)	1	1		SQ33J347H08
(28)	—	COMP FELT(BODY)	1	1		VU33Y451H01
(29)	—	COMP FELT(OUTER)	1	1		SG33V226H04
(30)	E22 41M 936	CAPILLARY TUBE	1	1		ø3.0 × ø1.8 × 240

MUFZ-KW25VGHZ2 MUFZ-KW35VGHZ2

1-4. OUTDOOR UNIT ELECTRICAL PARTS



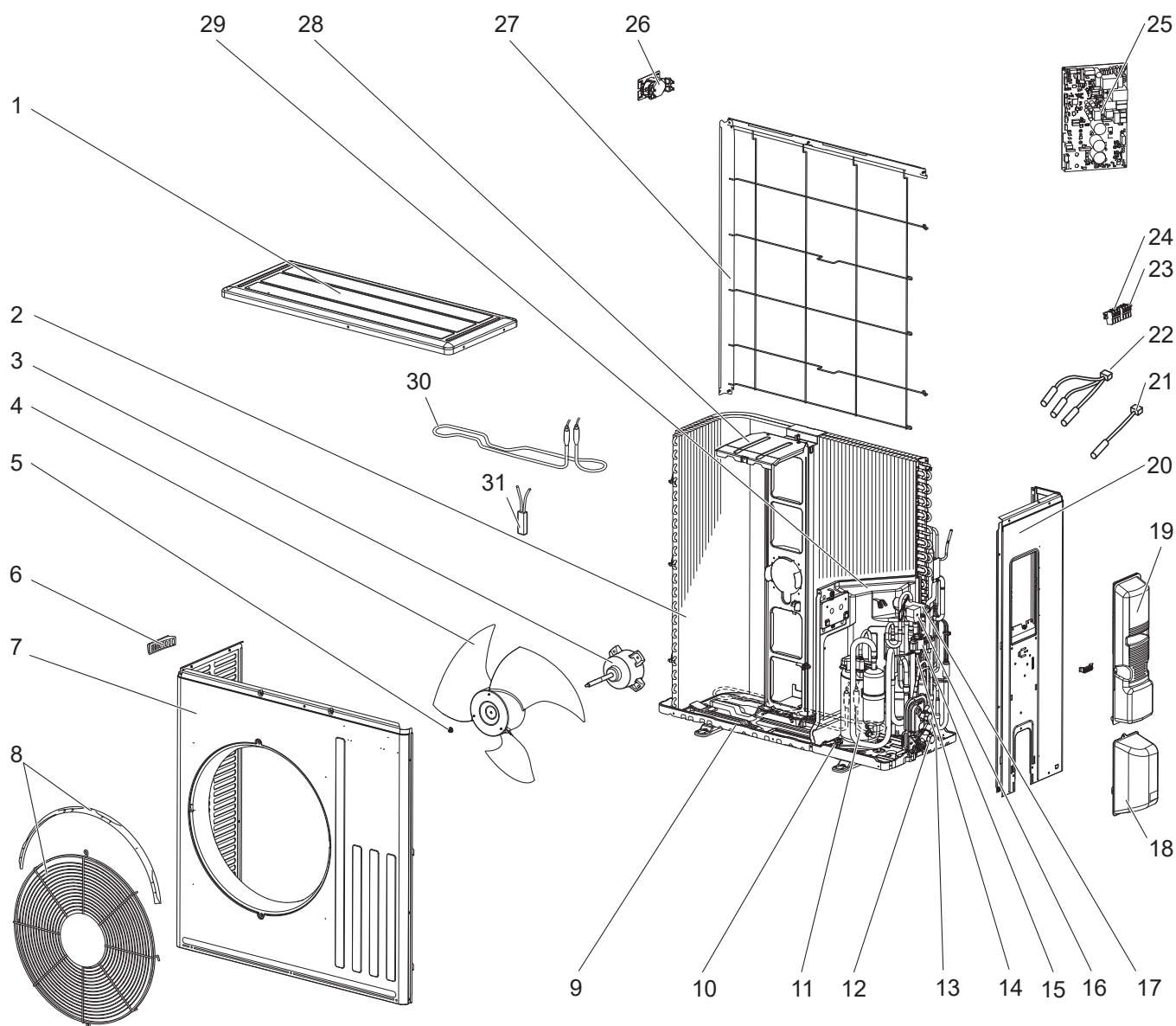
1-4. OUTDOOR UNIT ELECTRICAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

No.	Part No.	Part Name	MUFG-KW25VGHZ2 - E1	MUFG-KW35VGHZ2 - E1	Symbol in Wiring Diagram	Remarks
1	E22 G11 337	REACTOR	1	1	L61	
2	E22 R81 306	THERMISTOR SET	1	1	RT61, RT62	DEFROST, DISCHARGE TEMPERATURE
3	E22 D65 308	AMBIENT TEMPERATURE THERMISTOR	1	1	RT65	Cased sensor in holder
4	E22 P72 307	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	1	1	RT68	
5	E22 41X 381	COMPRESSOR PROTECTOR	1	1	26C	
6	E22 39G 490	R.V. COIL	1	1	21S4	
7	E22 0Y3 374	TERMINAL BLOCK	1	1	TB1	5P
8	E27 7P5 451	INVERTER P.C. BOARD	1			Includes heat sink and RT64
8	E27 7P6 451	INVERTER P.C. BOARD		1		Includes heat sink and RT64

MUFZ-KW50VGHZ MUFZ-KW60VGHZ

1-5. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS



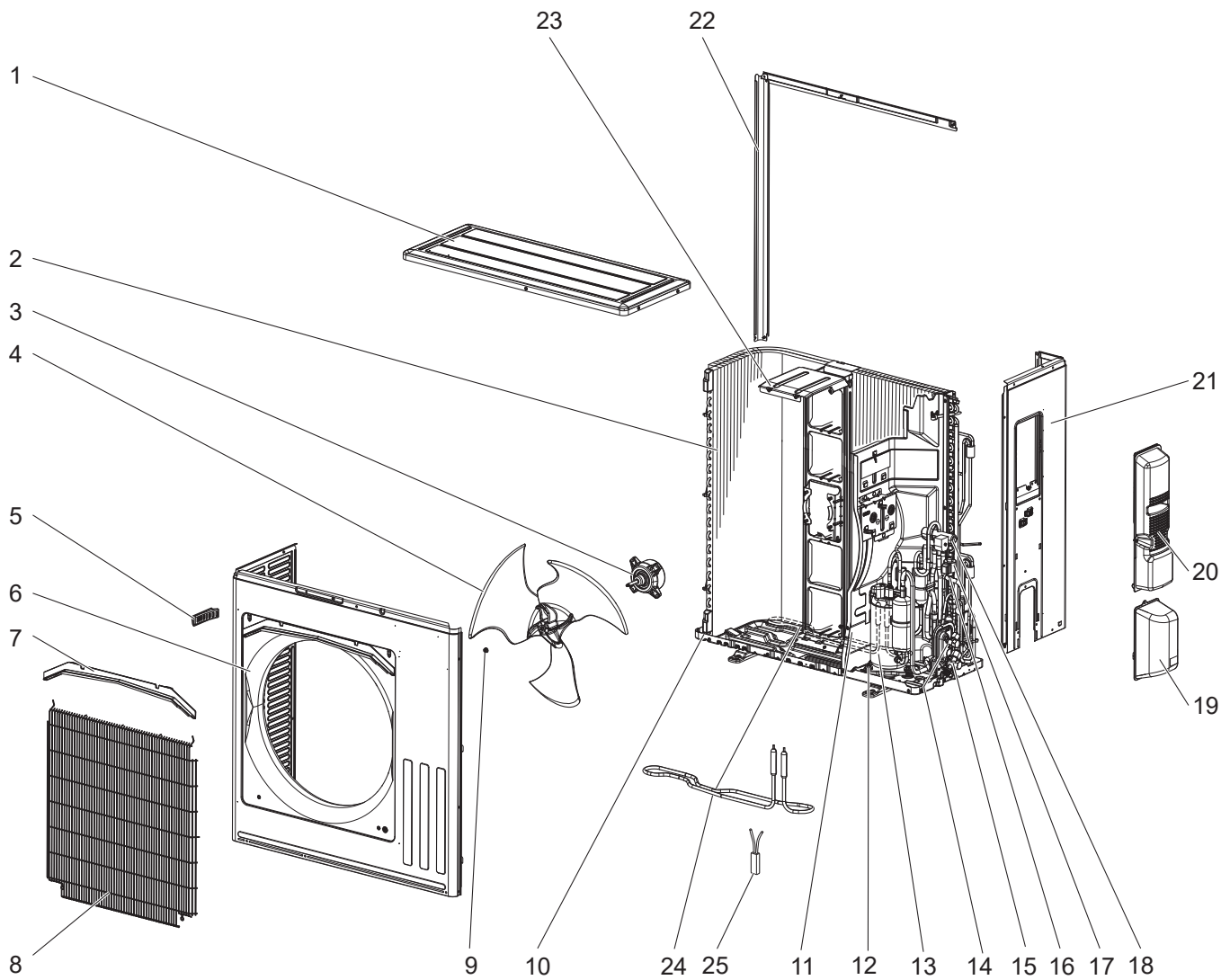
1-5. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

No.	Part No.	Part Name	MUFZ-KW50VGHZ - [E1]	MUFZ-KW60VGHZ - [E1]	Symbol in Wiring Diagram	Remarks
1	E22 L87 297	TOP PANEL	1	1		
2	E22 Y87 630	OUTDOOR HEAT EXCHANGER	1	1		
3	E22 F28 301	OUTDOOR FAN MOTOR	1	1	MF	RC0J60-□□
4	E22 F28 501	PROPELLER FAN	1	1		
5	E27 L05 508	PROPELLER FAN NUT	1	1		
6	E22 817 009	HANDLE	1	1		
7	E22 F28 232	CABINET	1	1		
8	E22 Y87 521	FAN GUARD	1	1		Includes ice guard
9	E22 H25 290	BASE	1	1		
10	E22 C34 506	COMPRESSOR RUBBER SET	3	3		3 RUBBERS/SET
11	E22 R86 900	COMPRESSOR	1	1	MC	SVB172FCKMT
12	E22 G16 661	STOP VALVE (GAS)	1	1		ø12.7
13	E22 G16 662	STOP VALVE (LIQUID)	1	1		ø6.35
14	E22 M74 645	EXPANSION VALVE ASSEMBLY	1	1		Includes LEV body, capillary tube and muffler
15	E22 Y87 493	EXPANSION VALVE COIL	1	1	LEV	
16	E22 R84 490	R.V. COIL	1	1	21S4	
17	E22 J44 961	4-WAY VALVE	1	1		
18	E22 F28 650	VALVE COVER	1	1		
19	E22 Y87 245	SERVICE PANEL	1	1		
20	E22 F28 233	BACK PANEL	1	1		
21	E22 38F 309	AMBIENT TEMPERATURE THERMISTOR ASSEMBLY	1	1	RT65	Cased sensor in holder
22	E22 R84 308	THERMISTOR SET	1	1	RT61, RT62, RT68	DEFROST, DISCHARGE TEMPERATURE, OUTDOOR HEAT EXCHANGER TEMPERATURE
23	E22 F29 374	TERMINAL BLOCK	1	1	TB1	3 P
24	E22 T16 374	TERMINAL BLOCK	1	1	TB2	3 P
25	E22 64R 451	INVERTER P.C. BOARD	1			Includes heat sink and RT64
25	E22 65R 451	INVERTER P.C. BOARD		1		Includes heat sink and RT64
26	E22 R84 337	REACTOR	1	1	L	
27	E22 L87 523	CONDENSER NET	1	1		
28	E22 J52 515	MOTOR SUPPORT	1	1		
29	E22 Y98 293	SEPARATOR	1	1		
30	E22 J52 526	DEFROST HEATER	1	1	H	
31	E22 J52 381	HEATER PROTECTOR	1	1	26H	

MUFZ-KW50VGHZ2 MUFZ-KW60VGHZ2

1-6. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



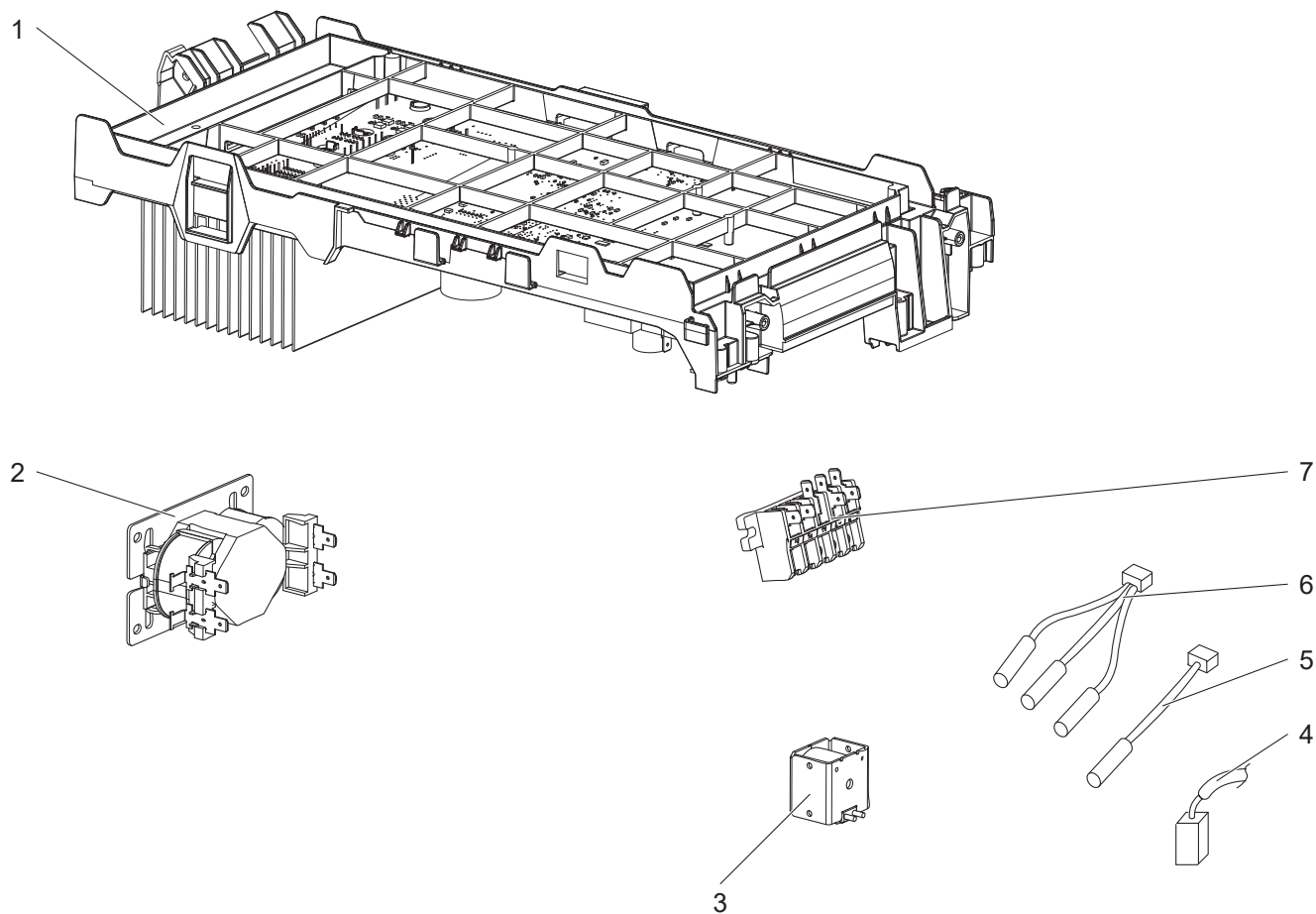
1-6. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

2. The circled No. indicates that the part is not shown in the figure.

No.	Part No.	Part Name	MUFZ-KW50VGHZ2 - [E]	MUFZ-KW60VGHZ2 - [E]	Symbol in Wiring Diagram	Remarks
1	E22 L87 297	TOP PANEL	1	1		
2	E22 77R 630	OUTDOOR HEAT EXCHANGER	1	1		
3	E22 91F 301	OUTDOOR FAN MOTOR	1	1	MF	RC0J50-□□
4	E22 91F 501	PROPELLER FAN	1	1		
5	E22 817 009	HANDLE	1	1		
6	E22 91F 232	CABINET	1	1		
7	E22 33N 531	ICE GUARD	1	1		
8	E22 91F 521	GRILLE	1	1		
9	E27 L05 508	PROPELLER FAN NUT	1	1		
10	E22 57N 290	BASE	1	1		
11	E22 9H5 293	SEPARATOR	1	1		
12	E22 C34 506	COMPRESSOR RUBBER SET	3	3		3 RUBBERS/SET
13	E22 56W 900	COMPRESSOR	1	1	MC	SVB172FCKMT
14	E22 77R 662	STOP VALVE (LIQUID)	1	1		ø6.35
15	E22 G16 661	STOP VALVE (GAS)	1	1		ø12.7
16	E22 75Y 645	EXPANSION VALVE ASSEMBLY	1	1		Includes LEV body, Capillary tube (ø4.0 × ø2.4 × 100)
17	E22 9H5 493	EXPANSION VALVE COIL	1	1	LEV	
18	E22 75R 961	4-WAY VALVE	1	1		
19	E22 F28 650	VALVE COVER	1	1		
20	E22 91F 245	SERVICE PANEL	1	1		
21	E22 0Z2 233	BACK PANEL	1	1		
22	E22 F38 523	CONDENSER NET	1	1		
23	E22 3D5 515	MOTOR SUPPORT	1	1		
24	E22 3D6 526	DEFROST HEATER	1	1	H	
25	E22 J52 381	HEATER PROTECTOR	1	1	26H	
26	E27 Y91 936	CAPILLARY TUBE	1	1		ø4.0 × ø2.4 × 100
27	E22 77R 640	EXPANSION VALVE	1	1		LEV body
28	—	BRAND LABEL	1	1		DK79G041H02
29	—	LEAD ASSY COMP	1	1		DY78C464G38
30	—	COMP FELT(TOP)	1	1		SQ33N879H05
31	—	COMP FELT(BODY)	1	1		JQ33Y794H01

MUFZ-KW50VGHZ2 MUFZ-KW60VGHZ2
1-7. OUTDOOR UNIT ELECTRICAL PARTS



1-7. OUTDOOR UNIT ELECTRICAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

No.	Part No.	Part Name	MUFZ-KW50VGHZ2 - E1	MUFZ-KW60VGHZ2 - E1	Symbol in Wiring Diagram	Remarks
1	E27 7P7 451	INVERTER P.C. BOARD	1			Includes heat sink and RT64
1	E27 7P8 451	INVERTER P.C. BOARD		1		Includes heat sink and RT64
2	E22 4L1 337	REACTOR	1	1	L61	
3	E22 9H5 490	R.V. COIL	1	1	21S4	
4	E22 42X 381	COMPRESSOR PROTECTOR	1	1	26C	
5	E22 38F 309	AMBIENT TEMPERATURE THERMISTOR	1	1	RT65	Cased sensor in holder
6	E22 49P 306	THERMISTOR SET	1	1	RT61, RT62, RT68	DEFROST, DISCHARGE TEMPERATURE, OUTDOOR HEAT EXCHANGER TEMPERATURE
7	E22 R81 374	TERMINAL BLOCK	1	1	TB1	5 P

mitsubishi electric corporation

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Specifications are subject to change without notice.