

January 2020

No. OCB684
REVISED EDITION-C

PARTS CATALOG

[Model Name]

SUZ-M25VA

SUZ-M25VA-ET

SUZ-M35VA

SUZ-M35VA-ET

SUZ-M50VA

SUZ-M50VA-ET

SUZ-M60VA

SUZ-M60VA-ET

SUZ-M71VA

SUZ-M71VA-ET

[Service Ref.]

SUZ-M25VA.TH

SUZ-M25VAR1.TH

SUZ-M25VAR2.TH

SUZ-M25VA-ET.TH

SUZ-M25VA-ETR2.TH

SUZ-M35VA.TH

SUZ-M35VAR1.TH

SUZ-M35VAR2.TH

SUZ-M35VA-ET.TH

SUZ-M35VA-ETR2.TH

SUZ-M50VA.TH

SUZ-M50VAR1.TH

SUZ-M50VAR2.TH

SUZ-M50VA-ET.TH

SUZ-M50VA-ETR2.TH

SUZ-M60VA.TH

SUZ-M60VAR1.TH

SUZ-M60VAR2.TH

SUZ-M60VA-ET.TH

SUZ-M60VA-ETR2.TH

SUZ-M71VA.TH

SUZ-M71VAR1.TH

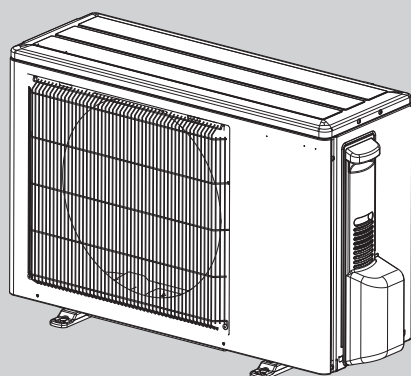
SUZ-M71VA-ET.TH

SUZ-M71VA-ETR1.TH

R32
Revision:

- SUZ-M25VAR2.TH, SUZ-M35VAR2.TH, SUZ-M50VAR2.TH, SUZ-M60VAR2.TH, SUZ-M71VAR1.TH, SUZ-M25VA-ETR2.TH, SUZ-M35VA-ETR2.TH, SUZ-M50VA-ETR2.TH, SUZ-M60VA-ETR2.TH, and SUZ-M71VA-ETR1.TH have been added in REVISED EDITION-C.

OCB684 REVISED EDITION-B is void.


SUZ-M25VA.TH
SUZ-M35VA.TH

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SERVICE MANUAL (OCH684)
Mr. SLIM

1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

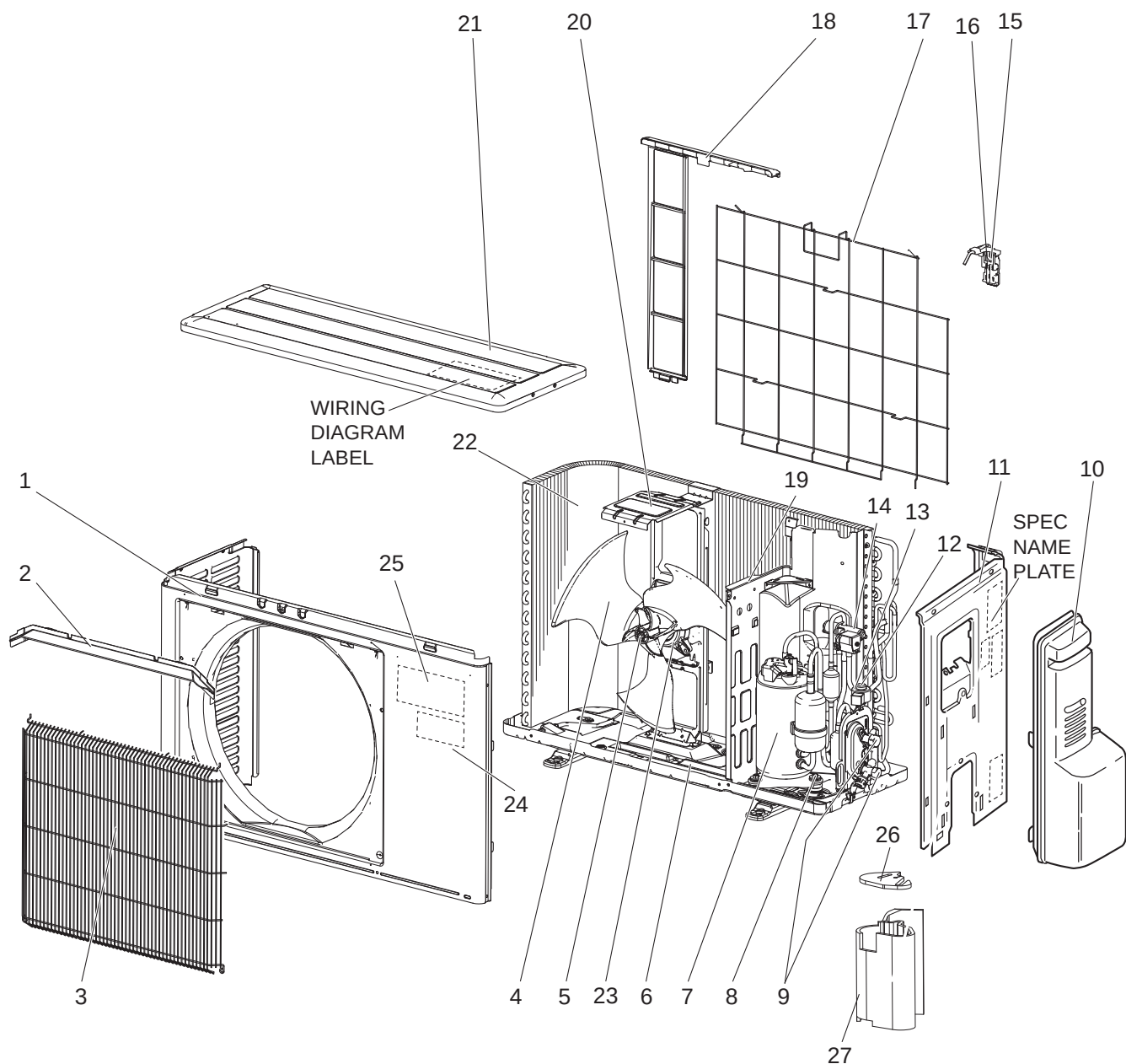
SUZ-M25VA.TH

SUZ-M25VAR1.TH

SUZ-M25VAR2.TH

SUZ-M25VA-ET.TH

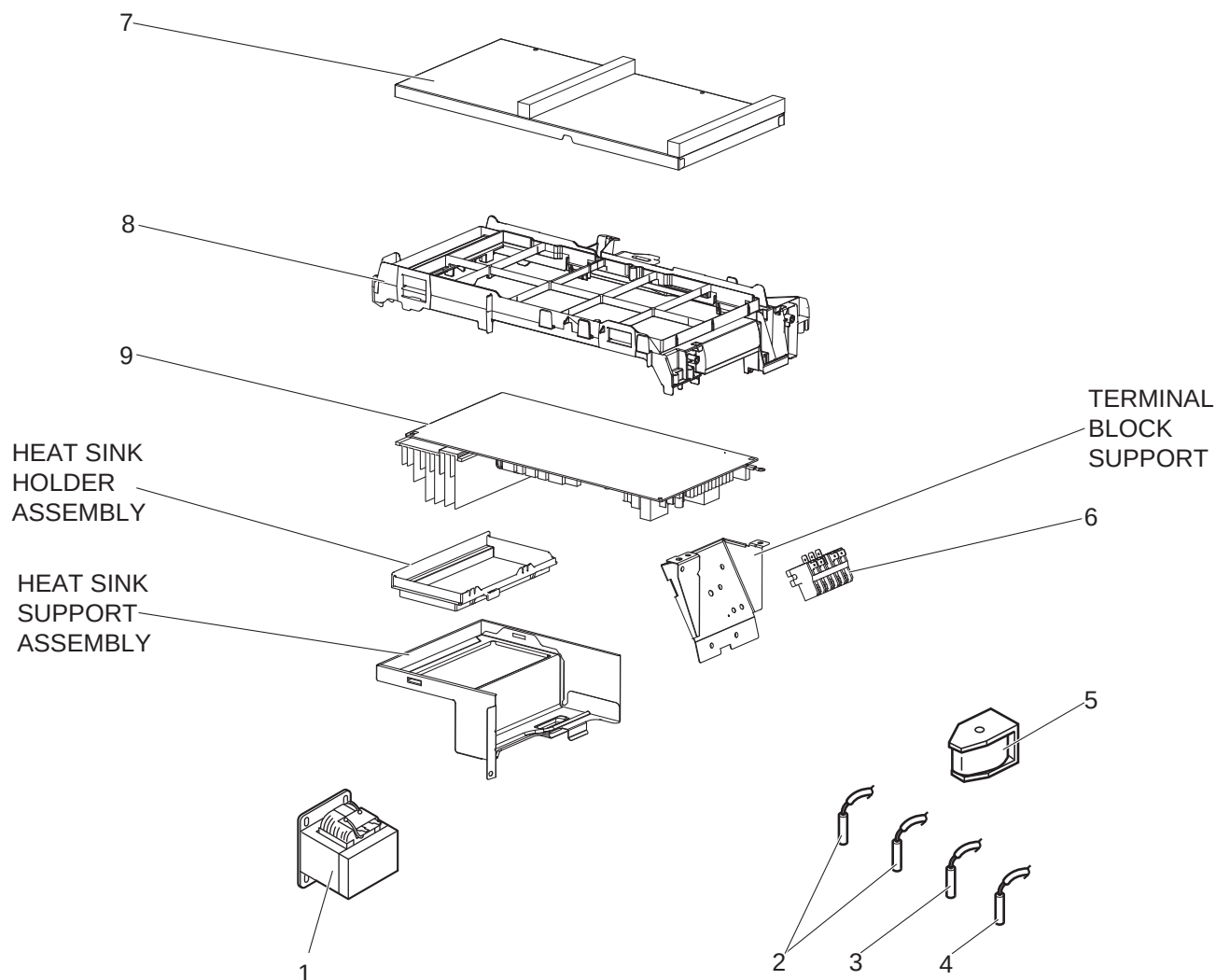
SUZ-M25VA-ETR2.TH



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	SUZ-M25VA.TH	SUZ-M25VAR1.TH	SUZ-M25VAR2.TH	SUZ-M25VA-ET.TH	SUZ-M25VA-ETR2.TH	Symbol Wiring Diagram	Remarks [Drawing No.]
1	E 2 7 M 7 1 2 3 2	CABINET	1	1	1	1	1		
2	E 2 2 J 6 3 5 3 1	ICE GUARD	1	1	1	1	1		
3	E 2 2 Y 8 4 5 2 1	GRILLE (OUT)	1	1	1	1	1		
4	E 2 2 9 5 B 5 0 1	PROPELLER FAN	1	1	1	1	1		
5	E 2 7 L 0 5 5 0 8	PROPELLER FAN NUT	1	1	1	1	1		
6	E 2 2 Y 8 4 2 9 0	BASE	1	1	1	1	1		
7	E 2 2 R 8 1 9 0 0	COMPRESSOR	1	1	1	1	1	MC	KVB073FYXMC
8	E 2 2 0 6 5 5 0 6	COMPRESSOR RUBBER MOUNT	3	3	3	3	3		3 pcs/SET
9	E 2 7 M 7 1 6 6 3	STOP VALVE ASSY	1	1	1	1	1		Includes STOP VALVES (LIQ, GAS)
10	E 2 2 L 5 9 2 4 5	SERVICE PANEL	1	1	1	1	1		
11	E 2 2 G 1 1 2 3 3	BACK PANEL (OUT)	1	1	1	1	1		
12	E 2 7 M 7 1 6 4 5	EXPANSION VALVE ASSY	1	1	1	1	1		Includes LEV body, Capillary tube
13	E 2 2 Y 8 7 4 9 3	EXPANSION VALVE COIL	1	1	1	1	1	LEV	
14	E 2 2 R 8 1 9 6 1	4-WAY VALVE	1	1	1	1	1		
15	E 2 2 9 2 8 0 7 9	THERMO HOLDER	1	1	1	1	1		For RT65
16	E 2 7 M 7 1 0 7 8	THERMO COVER	1	1	1	1	1		For RT65
17	E 2 7 M 7 1 5 2 5	CONDENSER WIRE NET	1	1	1	1	1		
18	E 2 2 9 2 8 5 2 3	CONDENSER NET	1	1	1	1	1		
19	E 2 2 G 1 0 2 9 3	SEPARATOR	1	1	1	1	1		
20	E 2 2 9 7 B 5 1 5	MOTOR SUPPORT	1	1	1	1	1		
21	E 2 2 L 8 5 2 9 7	TOP PANEL	1	1	1	1	1		
22	E 2 7 M 7 1 6 3 0	OUTDOOR HEAT EXCHANGER	1	1	1	1	1		
23	E 2 2 9 7 B 3 0 1	OUTDOOR FAN MOTOR	1	1	1	1	1	MF	
24	————	BRAND LABEL	1	1	1	1	1		[BT79L209H01]
25	————	BRAND LABEL	1	1	1	1	1		[DK79G041H02]
26	————	COMP FELT (TOP)	1	1	1	1	1		[RK33J744H01]
27	————	COMP FELT (BODY)	1	1	1	1	1		[RK33J460H01]
28	————	COMP FELT (OUTER)	1	1	1	1	1		[SG33V226H04]
29	————	LEAD ASSY COMP	1	1	1	1	1		[BT78L315G01]
30	E 2 2 8 3 8 7 0 4	DRAIN SOCKET	1	1	1	1	1		
31	E 2 7 N 0 4 2 5 0	T.ST SCREW	19	19	19	19	19		

1-2. OUTDOOR UNIT ELECTRICAL 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	SUZ-M25VA.TH	SUZ-M25VAR1.TH	SUZ-M25VAR2.TH	SUZ-M25VA-ET.TH	SUZ-M25VA-ETR2.TH	Symbol Wiring Diagram	Remarks [Drawing No.]
1	E 2 2 1 1 C 3 3 7	REACTOR	1	1	1	1	1	L61	
2	E 2 2 C 3 4 3 0 6	THERMISTOR SET	1	1	1	1	1	RT61, RT62	
3	E 2 2 9 2 7 3 0 8	AMBIENT TEMP. THERMISTOR	1	1	1	1	1	RT65	
4	E 2 2 M 7 1 3 0 7	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	1	1	1	1	1	RT68	
5	E 2 2 J 4 7 4 9 0	R.V. COIL	1	1	1	1	1	21S4	
6	E 2 2 T 9 5 3 7 4	TERMINAL BLOCK	1	1	1	1	1	TB1	
7	—	PB COVER	1	1	1	1	1		[RK00L116G02]
8	—	PB SUPPORT	1	1	1	1	1		[RK00A867G01]
9	E 2 7 M 7 1 4 5 1	INVERTER P.C. BOARD	1			1			Includes HEAT SINK and RT64
9	E 2 7 R 5 8 4 5 1	INVERTER P.C. BOARD		1					Includes HEAT SINK and RT64
9	E 2 7 T 8 4 4 5 1	INVERTER P.C. BOARD			1		1		Includes HEAT SINK and RT64



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1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

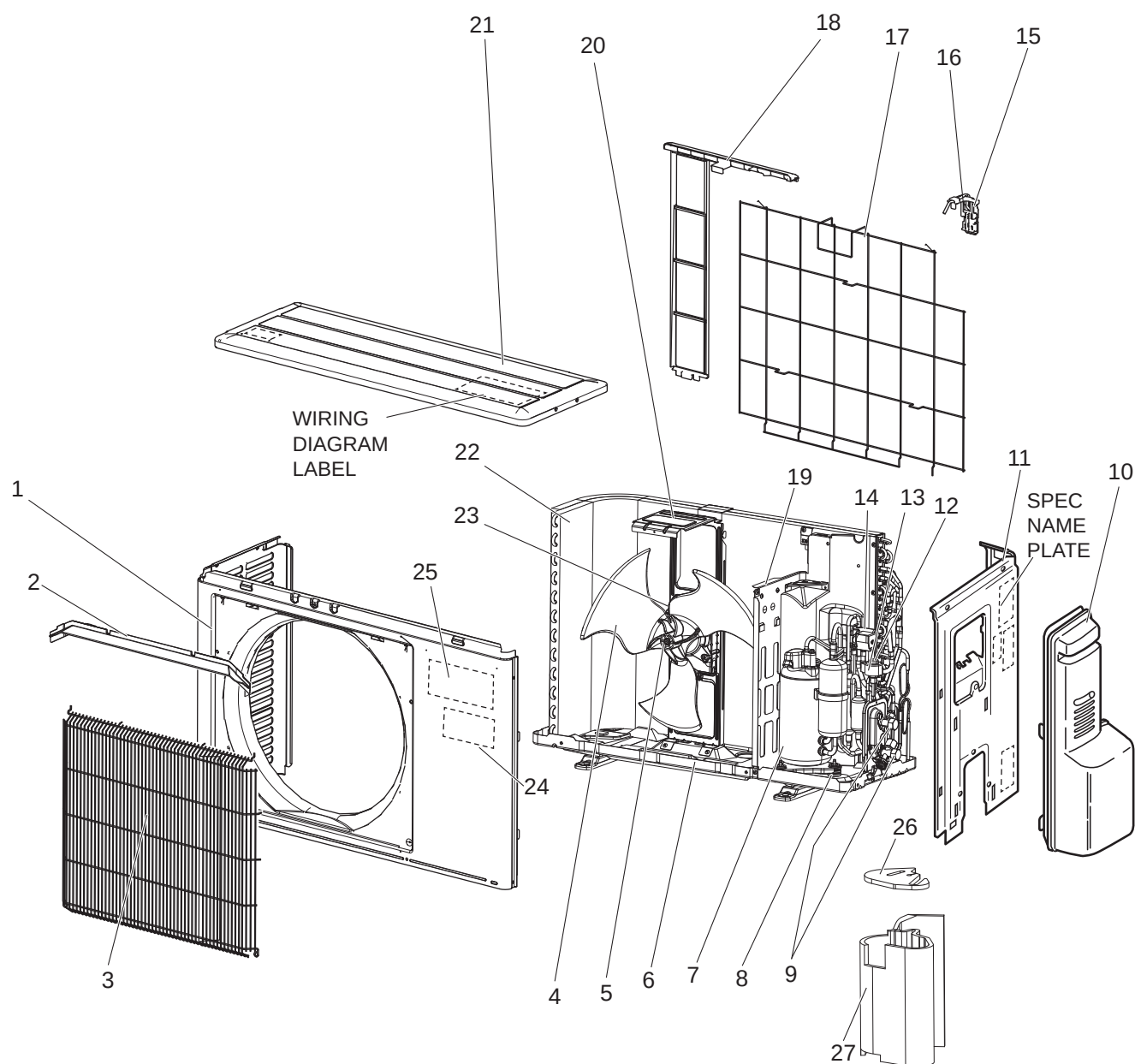
SUZ-M35VA.TH

SUZ-M35VAR1.TH

SUZ-M35VAR2.TH

SUZ-M35VA-ET.TH

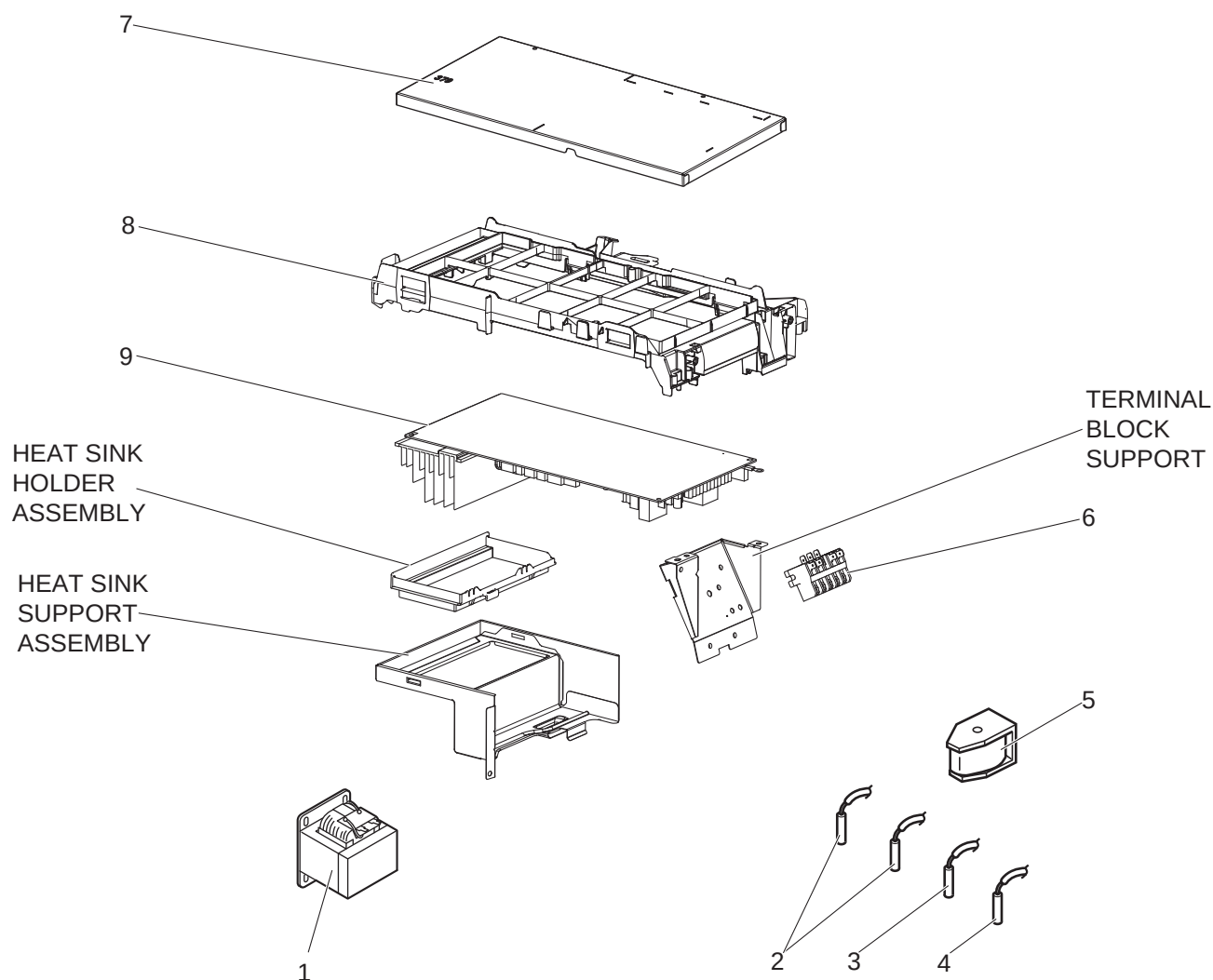
SUZ-M35VA-ETR2.TH



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	SUZ-M35VA.TH	SUZ-M35VAR1.TH	SUZ-M35VAR2.TH	SUZ-M35VA-ET.TH	SUZ-M35VA-ETR2.TH	Symbol Wiring Diagram	Remarks [Drawing No.]
1	E 27 M 71 232	CABINET	1	1	1	1	1		
2	E 22 J 63 531	ICE GUARD	1	1	1	1	1		
3	E 22 Y 84 521	GRILLE (OUT)	1	1	1	1	1		
4	E 22 95B 501	PROPELLER FAN	1	1	1	1	1		
5	E 27 L 05 508	PROPELLER FAN NUT	1	1	1	1	1		
6	E 22 Y 84 290	BASE	1	1	1	1	1		
7	E 22 Y 85 900	COMPRESSOR	1	1	1	1	1	MC	SVB092FBAMT
8	E 22 C 34 506	COMPRESSOR RUBBER MOUNT	3	3	3	3	3		3 pcs/SET
9	E 27 M 72 663	STOP VALVE ASSY	1	1	1	1	1		Includes STOP VALVES (LIQ, GAS)
10	E 22 L 59 245	SERVICE PANEL	1	1	1	1	1		
11	E 22 G 15 233	BACK PANEL (OUT)	1	1	1	1	1		
12	E 27 M 72 645	EXPANSION VALVE ASSY	1	1	1	1	1		Includes LEV body, Capillary tube
13	E 22 Y 87 493	EXPANSION VALVE COIL	1	1	1	1	1	LEV	
14	E 22 R 81 961	4-WAY VALVE	1	1	1	1	1		
15	E 22 930 079	THERMO HOLDER	1	1	1	1	1		For RT65
16	E 27 M 71 078	THERMO COVER	1	1	1	1	1		For RT65
17	E 22 930 525	CONDENSER WIRE NET	1	1	1	1	1		
18	E 22 930 523	CONDENSER NET	1	1	1	1	1		
19	E 22 G 11 293	SEPARATOR	1	1	1	1	1		
20	E 22 14F 515	MOTOR SUPPORT	1	1	1	1	1		
21	E 22 L 85 297	TOP PANEL	1	1	1	1	1		
22	E 27 M 72 630	OUTDOOR HEAT EXCHANGER	1	1	1	1	1		
23	E 22 97B 301	OUTDOOR FAN MOTOR	1	1	1	1	1	MF	
24	————	BRAND LABEL	1	1	1	1	1		[BT79L209H01]
25	————	BRAND LABEL	1	1	1	1	1		[DK79G041H02]
26	————	COMP FELT (TOP)	1	1	1	1	1		[RK33J459H01]
27	————	COMP FELT (BODY)	1	1	1	1	1		[RK33J460H01]
(28)	————	COMP FELT (OUTER)	1	1	1	1	1		[SG33V226H04]
(29)	————	LEAD ASSY COMP	1	1	1	1	1		[BT78L459G01]
(30)	E 22 838 704	DRAIN SOCKET	1	1	1	1	1		
(31)	E 27 N 04 250	T.ST SCREW	19	19	19	19	19		

1-4. OUTDOOR UNIT ELECTRICAL 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	SUZ-M35VA.TH	SUZ-M35VAR1.TH	SUZ-M35VAR2.TH	SUZ-M35VA-ET.TH	SUZ-M35VA-ETR2.TH	Symbol Wiring Diagram	Remarks [Drawing No.]
1	E 22 G 11 337	REACTOR	1	1	1	1	1	L61	
2	E 22 C 34 306	THERMISTOR SET	1	1	1	1	1	RT61, RT62	
3	E 22 927 308	AMBIENT TEMP. THERMISTOR	1	1	1	1	1	RT65	
4	E 22 C 34 307	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	1	1	1	1	1	RT68	
5	E 22 J 47 490	R.V. COIL	1	1	1	1	1	21S4	
6	E 22 T 95 374	TERMINAL BLOCK	1	1	1	1	1	TB1	
7	—	PB COVER	1	1	1	1	1		[RK00L116G02]
8	—	PB SUPPORT	1	1	1	1	1		[RK00A867G01]
9	E 27 M 72 451	INVERTER P.C. BOARD	1			1			Includes HEAT SINK and RT64
9	E 27 R 59 451	INVERTER P.C. BOARD		1					Includes HEAT SINK and RT64
9	E 27 T 85 451	INVERTER P.C. BOARD			1		1		Includes HEAT SINK and RT64



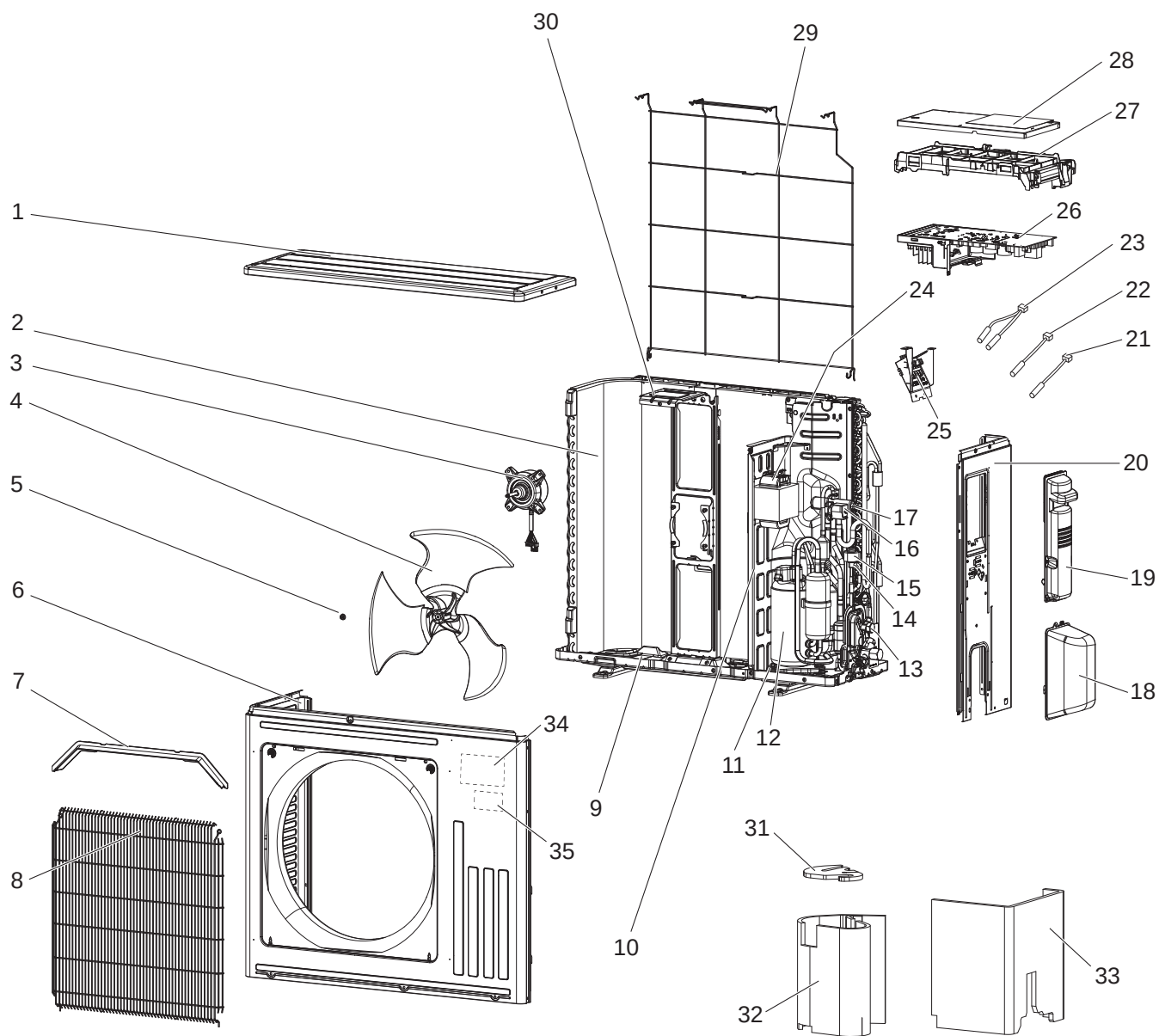
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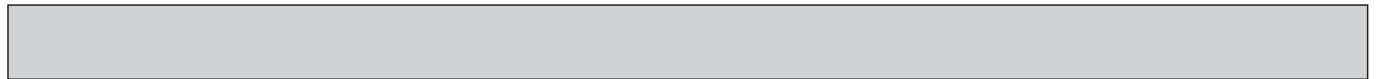
1-5. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS

SUZ-M50VA.TH
SUZ-M50VA-ET.TH

SUZ-M50VAR1.TH
SUZ-M50VA-ETR2.TH

SUZ-M50VAR2.TH





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.

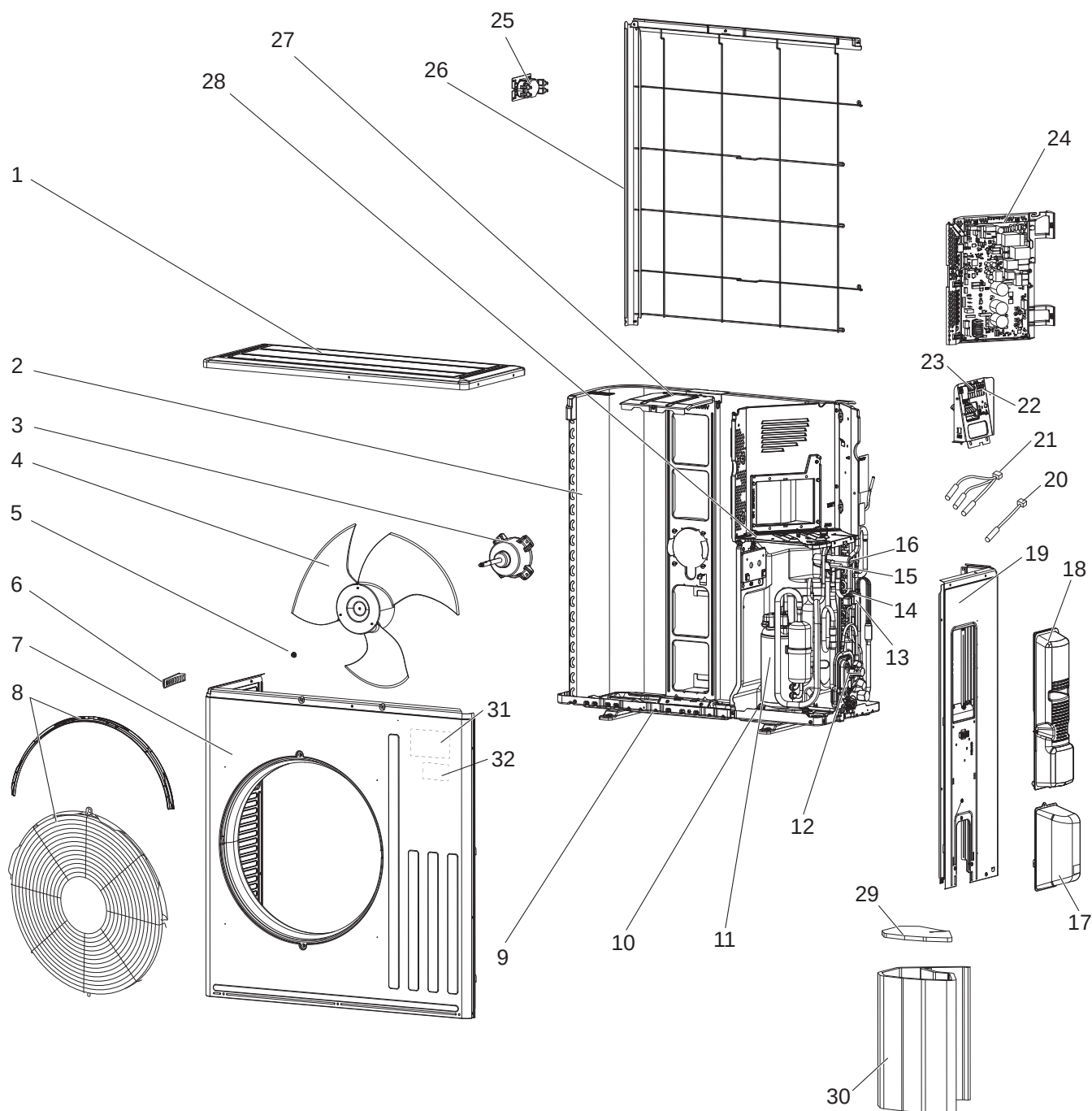
No.	Part No.	Part Name	SUZ-M50VA.TH	SUZ-M50VAR1.TH	SUZ-M50VAR2.TH	SUZ-M50VA-ET.TH	SUZ-M50VA-ETR2.TH	Symbol Wiring Diagram	Remarks [Drawing No.]
1	E 2 2 Y 8 6 2 9 7	TOP PANEL	1	1	1	1	1		
2	E 2 2 Y 8 6 6 3 0	OUTDOOR HEAT EXCHANGER	1	1	1	1	1		
3	E 2 2 Y 8 6 3 0 1	OUTDOOR FAN MOTOR	1	1	1	1	1	MF	
4	E 2 2 Y 8 6 5 0 1	PROPELLER FAN	1	1	1	1	1		
5	E 2 7 L 0 5 5 0 8	PROPELLER FAN NUT	1	1	1	1	1		
6	E 2 2 Y 8 6 2 3 2	CABINET	1	1	1	1	1		
7	E 2 2 Y 8 6 5 3 1	ICE GUARD	1	1	1	1	1		
8	E 2 2 Y 8 6 5 2 1	GRILLE (OUT)	1	1	1	1	1		
9	E 2 2 Y 8 4 2 9 0	BASE	1	1	1	1	1		
10	E 2 2 Y 8 6 2 9 3	SEPARATOR	1	1	1	1	1		
11	E 2 2 C 3 4 5 0 6	COMPRESSOR RUBBER MOUNT	3	3	3	3	3		3 pcs/set
12	E 2 2 R 8 3 9 0 0	COMPRESSOR	1	1	1	1	1	MC	SVB130FBBMT
13	E 2 7 M 7 3 6 6 3	STOP VALVE ASSY	1	1	1	1	1		Includes STOP VALVES (LIQ, GAS)
14	E 2 2 4 1 G 6 4 5	EXPANSION VALVE ASSY	1	1	1	1	1		Includes LEV body, Capillary tube
15	E 2 2 Y 8 4 4 9 3	EXPANSION VALVE COIL	1	1	1	1	1	LEV	
16	E 2 2 Y 8 6 4 9 0	R.V. COIL	1	1	1	1	1	21S4	
17	E 2 2 J 4 4 9 6 1	4-WAY VALVE	1	1	1	1	1		
18	E 2 2 Y 8 6 6 5 0	VALVE COVER	1	1	1	1	1		
19	E 2 2 Y 8 6 2 4 5	SERVICE PANEL	1	1	1	1	1		
20	E 2 2 Y 8 6 2 3 3	BACK PANEL (OUT)	1	1	1	1	1		
21	E 2 2 Y 8 6 3 0 9	AMBIENT TEMP. THERMISTOR	1	1	1	1	1	RT65	
22	E 2 2 C 3 4 3 0 7	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR	1	1	1	1	1	RT68	
23	E 2 2 Y 8 6 3 0 6	THERMISTOR SET	1	1	1	1	1	RT61, RT62	
24	E 2 2 H 2 1 3 3 7	REACTOR	1	1	1	1	1	L61	
25	E 2 2 T 9 5 3 7 4	TERMINAL BLOCK	1	1	1	1	1	TB1	5 P
26	E 2 7 M 7 3 4 5 1	INVERTER P.C. BOARD	1			1			Includes heat sink and RT64
	E 2 7 R 6 0 4 5 1	INVERTER P.C. BOARD		1					Includes heat sink and RT64
	E 2 7 T 8 6 4 5 1	INVERTER P.C. BOARD			1		1		Includes heat sink and RT64
27	————	PB SUPPORT	1	1	1	1	1		[RK00A627G01]
28	————	PB COVER	1	1	1	1	1		[RK00L116G02]
29	E 2 2 Y 8 6 5 2 5	CONDENSER WIRE NET	1	1	1	1	1		
30	E 2 2 Y 8 6 5 1 5	MOTOR SUPPORT	1	1	1	1	1		
31	————	COMP FELT(TOP)	1	1	1	1	1		[RK33J826H02]
32	————	COMP FELT(BODY)	1	1	1	1	1		[RK33J823H01]
33	————	COMP FELT(OUTER)	1	1	1	1	1		[SG33V226H04]
34	————	BRAND LABEL	1	1	1	1	1		[DK79G041H02]
35	————	BRAND LABEL	1	1	1	1	1		[BT79L209H01]
③⑥	E 2 2 8 3 8 7 0 4	DRAIN SOCKET	1	1		1			
③⑥	————	DRAIN SOCKET			1		1		[SG25J835G01]
③⑦	————	LEAD ASSY COMP	1	1	1	1	1		[BT78L235G01]
③⑧	E 2 7 N 0 4 2 5 0	T.ST SCREW	27	27	27	27	27		

1-6. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS

SUZ-M60VA.TH
SUZ-M60VA-ET.TH
SUZ-M71VA.TH
SUZ-M71VA-ET.TH

SUZ-M60VAR1.TH
SUZ-M60VA-ETR2.TH
SUZ-M71VAR1.TH
SUZ-M71VA-ETR1.TH

SUZ-M60VAR2.TH



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	SUZ-M60VA.TH	SUZ-M60VAR1.TH	SUZ-M60VAR2.TH	SUZ-M60VA-ET.TH	SUZ-M60VA-ETR2.TH	SUZ-M71VA.TH	SUZ-M71VAR1.TH	SUZ-M71VA-ET.TH	SUZ-M71VA-ETR1.TH	Symbol in Wiring Diagram	Remarks [Drawing No.]
1	E27 L07 297	TOP PANEL	1	1	1	1	1	1	1	1	1		
2	E27 M74 630	OUTDOOR HEAT EXCHANGER	1	1	1	1	1	1	1	1	1		
3	E22 F28 301	OUTDOOR FAN MOTOR	1	1	1			1		1		MF	
4	E22 F28 501	PROPELLER FAN	1	1	1	1	1	1	1	1	1		
5	E27 L05 508	PROPELLER FAN NUT	1	1	1	1	1	1	1	1	1		
6	E22 817 009	HANDLE	1	1	1	1	1	1	1	1	1		
7	E22 R13 232	CABINET	1	1	1	1	1	1	1	1	1		
8	E22 Y87 521	FAN GUARD	1	1	1	1	1	1	1	1	1		
9	E22 F28 290	BASE	1	1	1	1	1	1	1	1	1		
10	E22 C34 506	COMPRESSOR RUBBER MOUNT	3	3	3	3	3	3	3	3	3		3pcs/set
11	E22 R83 900	COMPRESSOR	1	1	1	1	1					MC	SVB130FBBMT
11	E22 R86 900	COMPRESSOR						1	1	1	1	MC	SVB172FCKMT
12	E27 M74 663	STOP VALVE ASSY	1	1	1	1	1						Includes STOP VALVES(LIQ, GAS)
12	E27 M75 663	STOP VALVE ASSY						1	1	1	1		Includes STOP VALVES(LIQ, GAS)
13	E27 M74 645	EXPANSION VALVE ASSY	1	1	1	1	1	1	1	1	1		Includes LEV body, Capillary tube
14	E27 M74 493	EXPANSION VALVE COIL	1	1	1	1	1	1	1	1	1	LEV	
15	E22 R84 490	R.V. COIL	1	1	1	1	1	1	1	1	1	21S4	
16	E22 J44 961	4-WAY VALVE	1	1	1	1	1	1	1	1	1		
17	E22 F28 650	VALVE COVER	1	1	1	1	1	1	1	1	1		
18	E22 Y87 245	SERVICE PANEL	1	1	1	1	1	1	1	1	1		
19	E22 J52 233	BACK PANEL(OUT)	1	1	1	1	1	1	1	1	1		
20	E22 29F 309	AMBIENT TEMP. THERMISTOR	1	1	1	1	1	1	1	1	1	RT65	
21	E22 R84 308	THERMISTOR SET	1	1	1	1	1	1	1	1	1	RT61, RT62, RT68	
22	E22 F29 374	TERMINAL BLOCK	1	1	1	1	1	1	1	1	1	TB1	
23	E22 T16 374	TERMINAL BLOCK	1	1	1	1	1	1	1	1	1	TB2	
24	E27 M74 451	INVERTER P.C. BOARD	1			1							Includes HEAT SINK and RT64
24	E27 R61 451	INVERTER P.C. BOARD		1									Includes HEAT SINK and RT64
24	E27 M75 451	INVERTER P.C. BOARD						1		1			Includes HEAT SINK and RT64
24	E27 T87 451	INVERTER P.C. BOARD			1	1							Includes HEAT SINK and RT64
24	E27 T88 451	INVERTER P.C. BOARD							1		1		Includes HEAT SINK and RT64
25	E22 R84 337	REACTOR	1	1	1	1	1	1	1	1	1	L	
26	E22 L87 523	CONDENSER NET	1	1	1	1	1	1	1	1	1		
27	E22 F28 515	MOTOR SUPPORT	1	1	1	1	1	1	1	1	1		
28	E27 M60 293	SEPARATOR	1	1	1	1	1	1	1	1	1		
29	————	COMP FELT(TOP)	1	1	1	1	1	1	1	1	1		[RK33J795H01]
30	————	COMP FELT(BODY)	1	1	1	1	1	1	1	1	1		[RK33J456H01]
31	————	BRAND LABEL	1	1	1	1	1	1	1	1	1		[DK79G041H02]
32	————	BRAND LABEL	1	1		1		1		1			[BT79L209H01]
33	————	ELECTRICAL PARTS BOX	1	1	1	1	1	1	1	1	1		[SQ00J359G18]
34	————	LEAD ASSY COMP	1	1	1	1	1	1	1	1	1		[BT78L236G01]
35	E22 F28 704	DRAIN SOCKET	1	1		1		1		1			
35	————	DRAIN SOCKET			1		1		1		1		[DK25B427G08]
36	E27 N04 250	T.ST SCREW	30	30	30	30	30	30	30	30	30		

Mr. SLIM

MITSUBISHI ELECTRIC CORPORATION

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