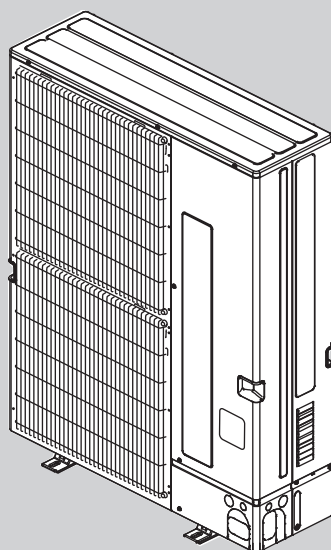


PARTS CATALOG

<Outdoor unit>

Model name

MXZ-SM36NL
MXZ-SM48NL
MXZ-SM60NL
MXZ-SM36NLHZ
MXZ-SM42NLHZ
MXZ-SM48NLHZ



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SERVICE MANUAL (OCH819)

1 SERVICE REF.

MXZ-SM36NL-U1
MXZ-SM48NL-U1
MXZ-SM60NL-U1
MXZ-SM36NLHZ-U1
MXZ-SM42NLHZ-U1
MXZ-SM48NLHZ-U1

2 SERVICE PARTS LIST

STRUCTURAL PARTS

MXZ-SM36NL-U1

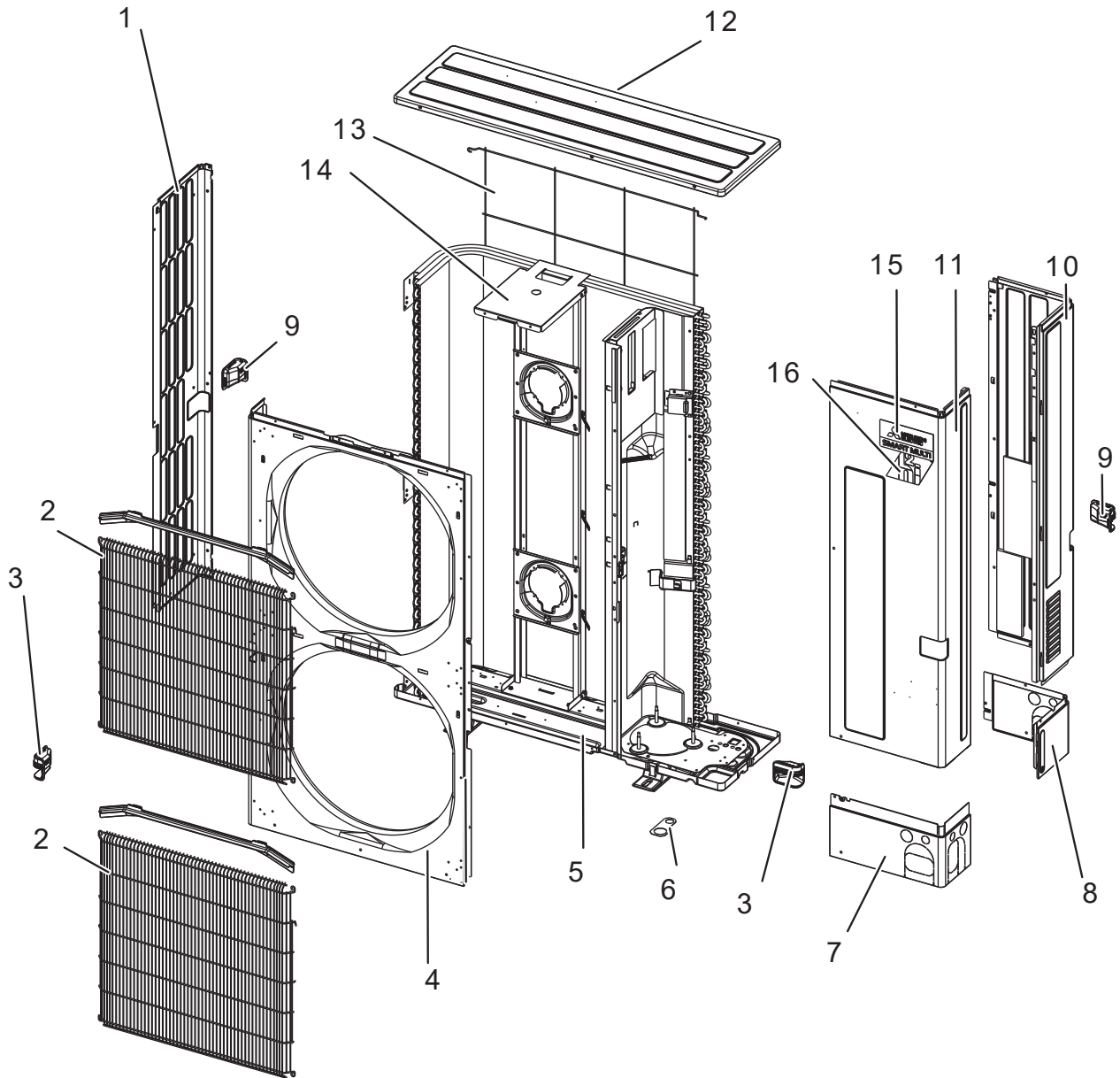
MXZ-SM48NL-U1

MXZ-SM60NL-U1

MXZ-SM36NLHZ-U1

MXZ-SM42NLHZ-U1

MXZ-SM48NLHZ-U1



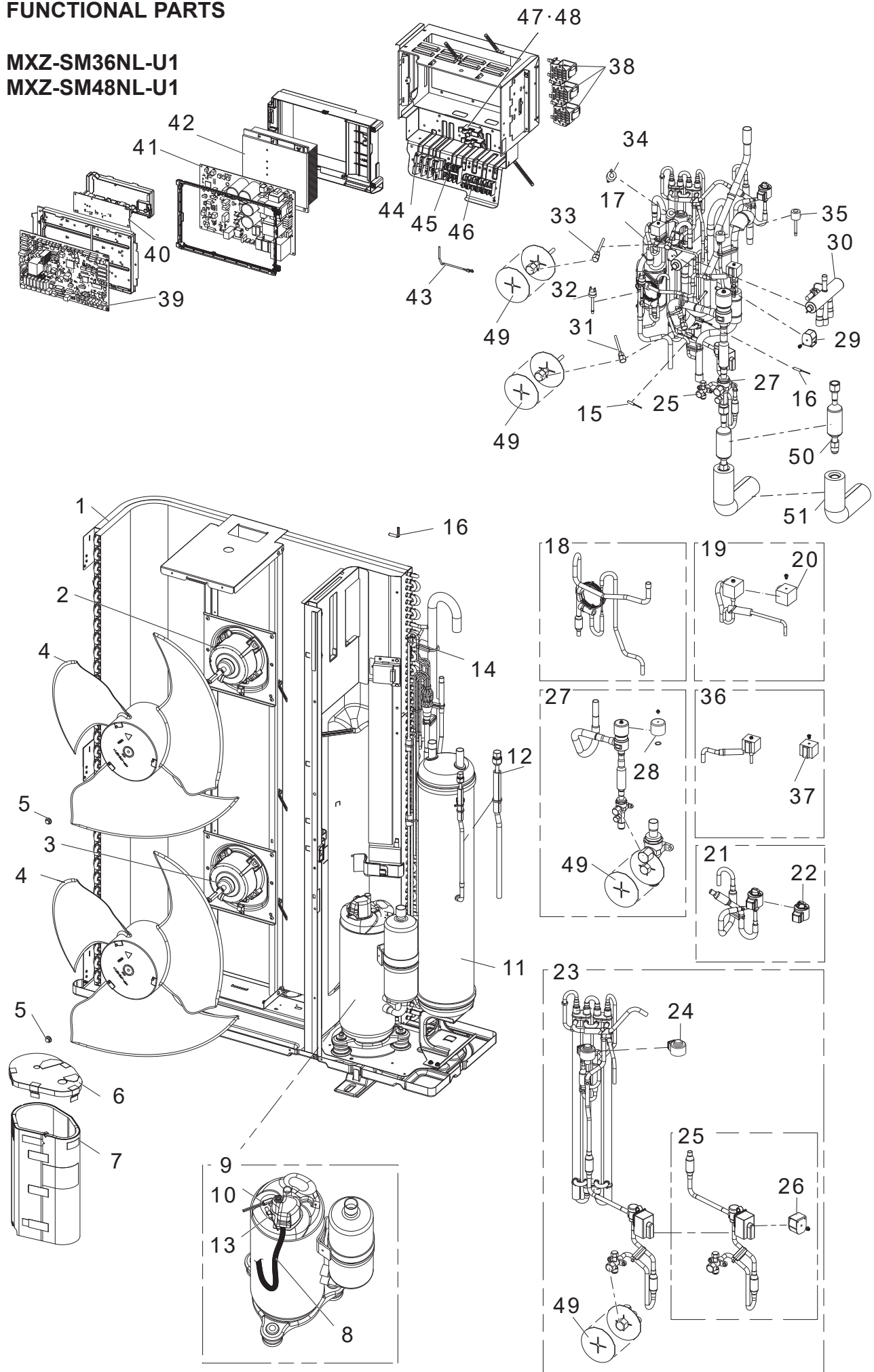
1. The part quantity below indicates the required number of pieces per unit.
2. The circled No. indicates that the part is not shown in the figure.

No.	Parts No.	Parts Name	MXZ-SM36NL-U1	MXZ-SM48NL-U1	MXZ-SM60NL-U1	MXZ-SM36NLHZ-U1	MXZ-SM42NLHZ-U1	MXZ-SM48NLHZ-U1	Remarks
1	R 0 1 E 3 0 6 6 2	SIDE PANEL (L)	1	1	1	1	1	1	
2	R 0 1 E 7 3 6 9 1	WIRE GRILLE	2	2	2	2	2	2	
3	R 0 1 E 0 5 6 5 5	HANDLE (FRONT)	2	2	2	2	2	2	
4	R 0 1 E 2 3 6 6 8	FRONT PANEL	1	1	1	1	1	1	
5	R 0 1 E 6 6 6 8 6	BASE ASSY	1	1	1	1	1	1	
6	T 7 W E 0 5 6 1 7	CONDUIT PLATE	1	1	1	1	1	1	
7	R 0 1 E 5 5 6 5 8	COVER PANEL (FRONT)	1	1	1	1	1	1	
8	R 0 1 R 0 1 6 5 8	COVER PANEL (REAR)	1	1	1	1	1	1	
9	R 0 1 E 0 6 6 5 5	HANDLE (REAR)	2	2	2	2	2	2	
10	R 0 1 E 8 4 6 6 1	SIDE PANEL (R)	1	1					
10	R 0 1 E 8 5 6 6 1	SIDE PANEL (R)			1	1	1	1	
11	T 7 W E 3 0 6 6 8	SERVICE PANEL	1	1	1	1	1	1	
12	T 7 W E 2 2 6 4 1	TOP PANEL	1	1	1	1	1	1	
13	R 0 1 E 1 0 6 9 8	REAR GUARD	1	1	1	1	1	1	
14	R 0 1 E 5 9 1 3 0	MOTOR SUPPORT	1	1					
14	R 0 1 E 6 0 1 3 0	MOTOR SUPPORT			1	1	1	1	
15	T 7 W B 0 3 0 0 5	BRAND LABEL/SM	1	1	1	1	1	1	
16	T 7 W A 1 0 0 0 5	LABEL (H2I)				1	1	1	

FUNCTIONAL PARTS

MXZ-SM36NL-U1

MXZ-SM48NL-U1

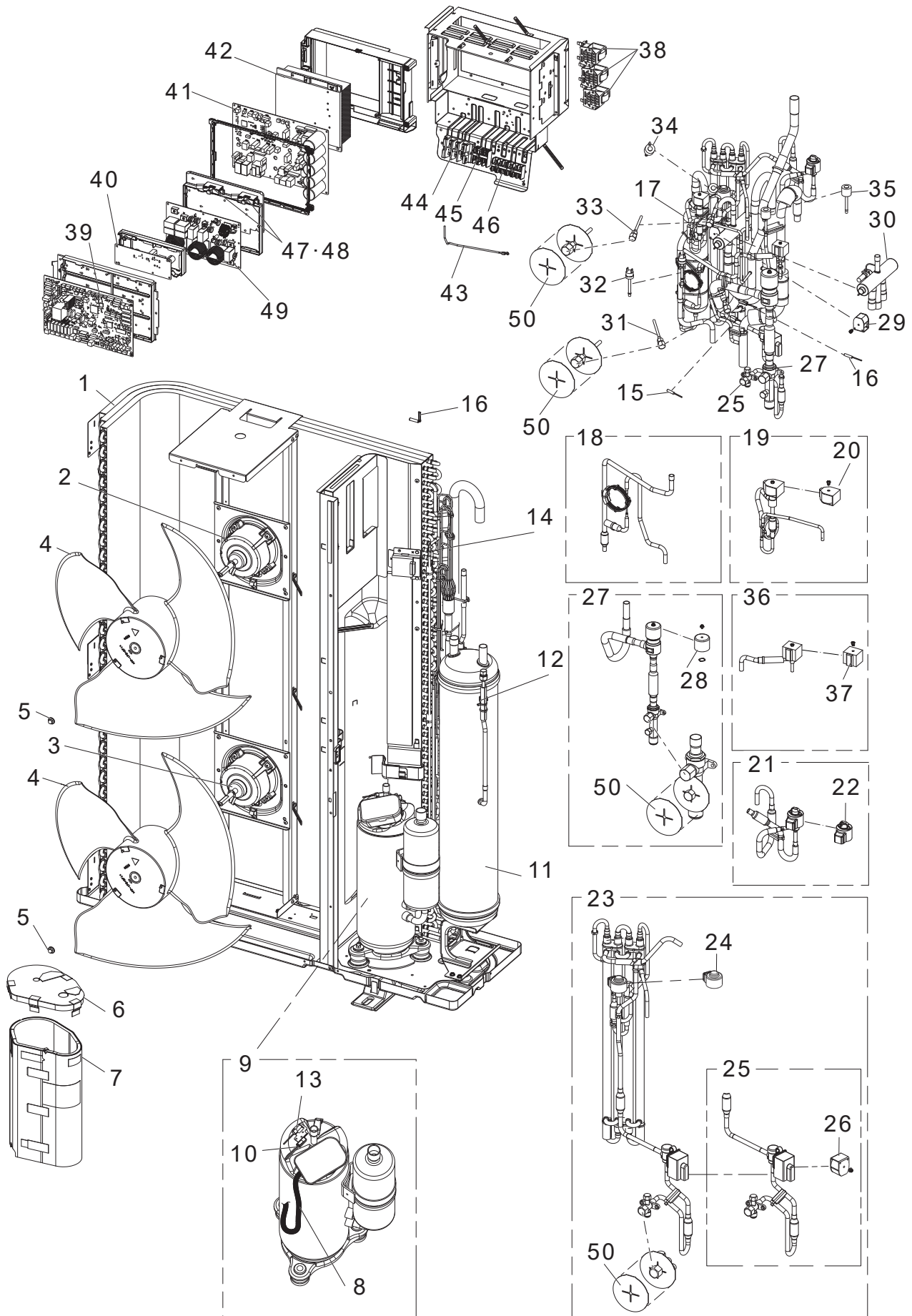


1. The part quantity below indicates the required number of pieces per unit.
2. The circled No. indicates that the part is not shown in the figure.

No.	Parts No.	Parts Name	MXZ-SM36NL-U1	MXZ-SM48NL-U1	Wiring Diagram Symbol	Remarks
1	T7W F11 408	HEAT EXCHANGER	1	1		
2	T7W A10 221	FAN MOTOR	1	1	MF1	
3	T7W A11 221	FAN MOTOR	1	1	MF2	
4	R01 E16 115	PROPELLER FAN/D550	2	2		
5	R01 E16 097	CAP NUT (MEC) M6	2	2		
6	R01 T17 602	COMP FELT/TOP	1	1		
7	T7W B22 602	COMP FELT-B	1	1		
8	T7W C24 510	LEAD ASSY COMP	1	1		
9	T97 4M0 006	COMPRESSOR	1	1	MC	MRB36FEGMC-L Includes RUBBER MOUNT
10	T7W E39 201	TRS ASSY	1	1	TRS	
11	T7W E34 440	ACCUMULATOR	1	1		When replacing No. 11, replace No. 12 at the same time.
12	T7W F00 419	FUSIBLE ASSY	1	1		
13	R01 E65 201	THERMISTOR/SHELL	1	1	TH4 (Compressor)	
14	R01 H87 202	THERMISTOR	1	1	TH3 (Outdoor Liquid Pipe)	
15	R01 M51 202	THERMISTOR	1	1	TH2 (HIC Pipe)	
16	R01 M53 202	THERMISTOR W	1	1	TH6 (Suction Pipe) TH7 (Ambient)	Combined Port
17	R01 E20 490	OIL SEPARATOR	1	1		
18	T7W A07 426	CT ASSY	1	1		
19	T7W E13 428	SV ASSY	1	1	SV1	Includes SV COIL
20	T7W V00 242	SOLENOID COIL (SV)	1	1	SV1	Includes SCREW
21	R01 A29 401	LEV ASSY-A	1	1	LEV-A	Includes LEV COIL
22	R01 H39 242	COIL (LEV)/XAP-5P WH	1	1	LEV-A	
23	T7W C08 401	HIC & LEV-B ASSY	1	1	LEV-B, SV4	Includes LEV COIL and SV COIL
24	R01 L10 242	COIL (LEV)/XAP-5P RED	1	1	LEV-B	
25	T7W E18 410	STOP VALVE ASSY-3/8F	1	1	SV4	3/8, Includes SV COIL
26	T7W V03 242	SOLENOID COIL (SV)	1	1	SV4	Includes SCREW
27	T7W E16 428	SV-BV ASSY	1	1	SV5	5/8, Includes SV COIL
28	T7W V01 242	SOLENOID V COIL (SV)	1	1	SV5	Includes SCREW
29	T7W S10 242	SOLENOID COIL (21S4)	1	1	21S4	Includes SCREW
30	R01 E40 403	4WAY VALVE	1	1	21S4	
31	R01 E28 413	CHARGE PLUG/ST	1	1		
32	T7W E15 208	H. P. SWITCH UL4.14MPA	1	1	63H	
33	R01 E28 413	CHARGE PLUG/ST	1	1		
34	R01 H09 208	H. P. SENSOR	1	1	63HS	
35	R01 E06 209	LOW PRESSURE SENSOR	1	1	63LS	
36	T7W E17 428	SV ASSY	1	1	SV3	Includes SV COIL
37	T7W V02 242	SOLENOID V COIL (SV)	1	1	SV3	Includes SCREW
38	R01 E56 259	REACTOR	3	3	DCL	
39	T7W M40 315	CONTROLLER BOARD	1	1	MULTI.C.B.	
40	R01 E10 311	M-NET POWER BOARD	1	1	M-NET P.B.	
41	T7W M00 373	POWER BOARD	1	1	P.B.	
42	R01 A26 371	HEAT SINK	1	1		Includes SCREWS
43	R01 M52 202	THERMISTOR (HS)	1	1	TH8 (Heat Sink)	
44	T7W P05 246	T.B./L1.L2.E	1	1	TB1	3P (L1.L2.E)
45	T7W S05 246	T.B./B1.B2.E	1	1	TB1B	3P (B1, B2, E)
46	R01 E27 246	T.B./M1.M2.S	2	2	TB3, TB7	3P (M1, M2, S)
47	R01 E23 239	FUSE 20 A 250 V	2	2	FUSE1, 2	20 A 250 V
48	R01 E00 241	FUSE HOLDER	2	2		
49	T7W A01 455	REF. MARKER (SNAP) 1P	4	4		
50	R01 A01 467	MUFFLER SET	1	1		
51	R01 A01 466	JOINT PIPE SET	1	1		

FUNCTIONAL PARTS

MXZ-SM60NL-U1



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.

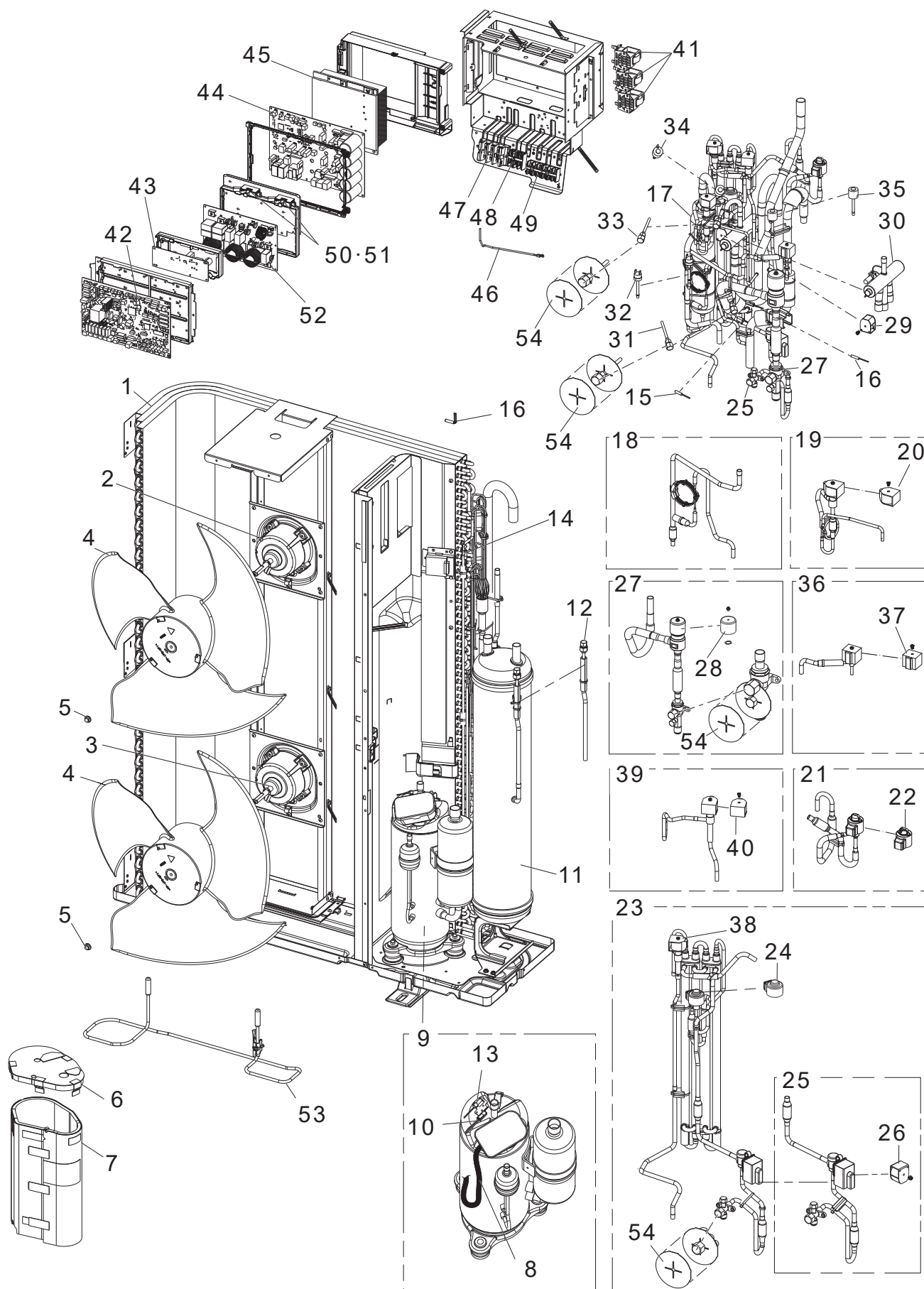
No.	Parts No.	Parts Name	MXZ-SM60NL-U1	Wiring Diagram Symbol	Remarks
1	T 7 W F 12 408	HEAT EXCHANGER	1		
2	T 7 W A 22 221	FAN MOTOR	1	MF1	
3	T 7 W A 23 221	FAN MOTOR	1	MF2	
4	R 0 1 E 16 115	PROPELLER FAN/D550	2		
5	R 0 1 E 16 097	CAP NUT (MEC) M6	2		
6	R 0 1 T 17 602	COMP FELT-TOP	1		
7	T 7 W B 22 602	COMP FELT-B	1		
8	R 0 1 C 18 510	LEAD ASSY COMP	1		
9	T 9 7 4 M 0 008	COMPRESSOR	1	MC	MRB53FEJMC-L Includes RUBBER MOUNT
10	T 7 W E 40 201	TRS ASSY	1	TRS	
11	T 7 W E 34 440	ACCUMULATOR	1		When replacing No. 11, replace No. 12 at the same time.
12	T 7 W F 00 419	FUSIBLE ASSY	1		
13	R 0 1 E 65 201	THERMISTOR/SHELL	1	TH4 (Compressor)	
14	R 0 1 H 87 202	THERMISTOR	1	TH3 (Outdoor Liquid Pipe)	
15	R 0 1 M 51 202	THERMISTOR	1	TH2 (HIC Pipe)	
16	R 0 1 M 53 202	THERMISTOR W	1	TH6 (Suction Pipe) TH7 (Ambient)	Combined Port
17	R 0 1 E 19 490	OIL SEPARATOR	1		
18	R 0 1 C 02 426	CT ASSY	1		
19	T 7 W E 14 428	SV-CT ASSY	1	SV1	Includes SV COIL
20	T 7 W V 04 242	SOLENOID COIL (SV)	1	SV1	Includes SCREW
21	R 0 1 A 29 401	LEV ASSY-A	1	LEV-A	Includes LEV COIL
22	R 0 1 H 39 242	COIL (LEV)/XAP-5P WH	1	LEV-A	
23	T 7 W C 08 401	HIC & LEV-B ASSY	1	LEV-B, SV4	Includes LEV COIL and SV COIL
24	R 0 1 L 10 242	COIL (LEV)/XAP-5P RED	1	LEV-B	
25	T 7 W E 18 410	STOP VALVE ASSY-3/8F	1	SV4	3/8, Includes SV COIL
26	T 7 W V 03 242	SOLENOID COIL (SV)	1	SV4	Includes SCREWS
27	T 7 W E 18 428	SV-BV ASSY	1	SV5	3/4, Includes SV COIL
28	T 7 W V 01 242	SOLENOID V COIL	1	SV5	Includes SCREWS
29	T 7 W S 10 242	SOLENOID COIL(21S4)	1	21S4	Includes SCREW
30	R 0 1 E 40 403	4WAY VALVE	1	21S4	
31	R 0 1 E 28 413	CHARGE PLUG/ST	1		
32	T 7 W E 15 208	H. P. SWITCH UL4.14MPA	1	63H	
33	R 0 1 E 28 413	CHARGE PLUG/ST	1		
34	R 0 1 H 09 208	H. P. SENSOR	1	63HS	
35	R 0 1 E 06 209	LOW PRESSURE SENSOR	1	63LS	
36	T 7 W E 17 428	SV ASSY	1	SV3	Includes SV COIL
37	T 7 W V 02 242	SOLENIOD COIL (SV)	1	SV3	Includes SCREWS
38	R 0 1 E 56 259	REACTOR	3	DCL	
39	T 7 W M 42 315	CONTROLLER BOARD	1	MULTI.C.B.	
40	R 0 1 E 10 311	M-NET POWER BOARD	1	M-NET P.B.	
41	T 7 W M 01 373	POWER BOARD	1	P.B.	
42	R 0 1 A 27 371	HEAT SINK	1		Includes SCREWS
43	R 0 1 M 16 202	THERMISTOR (HS)	1	TH8 (Heat Sink)	
44	T 7 W P 05 246	T.B./L1.L2.E	1	TB1	3P (L1.L2.E)
45	T 7 W S 05 246	T.B./B1.B2.E	1	TB1B	3P (B1, B2, E)
46	R 0 1 E 27 246	T.B./M1.M2.S	2	TB3, TB7	3P (M1, M2, S)
47	R 0 1 E 23 239	FUSE 20 A 250 V	2	FUSE1, 2	20 A 250 V
48	R 0 1 E 00 241	FUSE HOLDER	2		
49	T 7 W E 55 346	NOISE FILTER	1	N.F.	
50	T 7 W A 01 455	REF. MARKER (SNAP) 1P	4		

FUNCTIONAL PARTS

MXZ-SM36NLHZ-U1

MXZ-SM42NLHZ-U1

MXZ-SM48NLHZ-U1



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.	Parts No.	Parts Name	MXZ-SM36NLHZ-U1	MXZ-SM42NLHZ-U1	MXZ-SM48NLHZ-U1	Wiring Diagram Symbol	Remarks
1	T 7 W F 1 2 4 0 8	HEAT EXCHANGER	1	1	1		
2	T 7 W A 2 2 2 2 1	FAN MOTOR	1	1	1	MF1	
3	T 7 W A 2 3 2 2 1	FAN MOTOR	1	1	1	MF2	
4	R 0 1 E 1 6 1 1 5	PROPELLER FAN/D550	2	2	2		
5	R 0 1 E 1 6 0 9 7	CAP NUT (MEC) M6	2	2	2		
6	R 0 1 T 1 8 6 0 2	COMP FELT/TOP	1	1	1		
7	T 7 W B 2 2 6 0 2	COMP FELT-B	1	1	1		
8	R 0 1 C 1 8 5 1 0	LEAD ASSY COMP	1	1	1		
9	T 9 7 4 M 0 0 0 9	COMPRESSOR	1	1	1	MC	MRK53FFJMC-L Includes RUBBER MOUNT
10	T 7 W E 4 0 2 0 1	TRS ASSY	1	1	1	TRS	
11	T 7 W E 3 4 4 4 0	ACCUMULATOR	1	1	1		When replacing No. 11, replace No. 12 at the same time.
12	T 7 W F 0 0 4 1 9	FUSIBLE ASSY	1	1	1		
13	R 0 1 E 6 5 2 0 1	THERMISTOR/SHELL	1	1	1	TH4 (Compressor)	
14	R 0 1 H 8 7 2 0 2	THERMISTOR	1	1	1	TH3 (Outdoor Liquid Pipe)	
15	R 0 1 M 5 1 2 0 2	THERMISTOR	1	1	1	TH2 (HIC Pipe)	
16	R 0 1 M 5 3 2 0 2	THERMISTOR W	1	1	1	TH6 (Suction Pipe) TH7 (Ambient)	Combined Port
17	R 0 1 E 1 9 4 9 0	OIL SEPARATOR	1	1	1		
18	R 0 1 C 0 2 4 2 6	CT ASSY	1	1	1		
19	T 7 W E 1 4 4 2 8	SV-CT ASSY	1	1	1	SV1	Includes SV COIL
20	T 7 W V 0 4 2 4 2	SOLENOID COIL (SV)	1	1	1	SV1	Includes SCREW
21	R 0 1 A 2 9 4 0 1	LEV ASSY-A	1	1	1	LEV-A	Includes LEV COIL
22	R 0 1 H 3 9 2 4 2	COIL (LEV)/XAP-5P WH	1	1	1	LEV-A	
23	T 7 W B 2 4 4 0 1	HIC & LEV-B ASSY	1	1	1	LEV-B, SV4, SV6	Includes LEV COIL and SV COIL
24	R 0 1 L 1 0 2 4 2	COIL (LEV)/XAP-5P RED	1	1	1	LEV-B	
25	T 7 W E 1 8 4 1 0	STOP VALVE ASSY-3/8F	1	1	1	SV4	3/8, Includes SV COIL
26	T 7 W V 0 3 2 4 2	SOLENOID COIL (SV)	1	1	1	SV4	Includes SCREW
27	T 7 W E 1 6 4 2 8	SV-BV ASSY	1	1	1	SV5	5/8, Includes SV COIL
28	T 7 W V 0 1 2 4 2	SOLENOID COIL (SV)	1	1	1	SV5	Includes SCREW
29	T 7 W S 1 1 2 4 2	SOLENOID COIL (21S4)	1	1	1	21S4	Includes SCREW
30	R 0 1 E 4 0 4 0 3	4WAY VALVE	1	1	1	21S4	
31	R 0 1 E 2 8 4 1 3	CHARGE PLUG/ST	1	1	1		
32	T 7 W E 1 5 2 0 8	H. P. SWITCH UL4.14MPA	1	1	1	63H	
33	R 0 1 E 2 8 4 1 3	CHARGE PLUG/ST	1	1	1		
34	R 0 1 H 0 9 2 0 8	H. P. SENSOR	1	1	1	63HS	
35	R 0 1 E 0 6 2 0 9	LOW PRESSURE SENSOR	1	1	1	63LS	
36	T 7 W E 1 7 4 2 8	SV ASSY	1	1	1	SV3	Includes SV COIL
37	T 7 W V 0 2 2 4 2	SOLENOID COIL (SV)	1	1	1	SV3	Includes SCREW
38	T 7 W V 0 5 2 4 2	SOLENOID COIL (SV)	1	1	1	SV6	Includes SCREW
39	T 7 W E 1 5 4 2 8	SV_ASSY	1	1	1	SV2	Includes SV COIL
40	T 7 W V 0 6 2 4 2	SOLENOID COIL (SV)	1	1	1	SV2	Includes SCREW
41	R 0 1 E 5 6 2 5 9	REACTOR	3	3	3	DCL	
42	T 7 W M 4 1 3 1 5	CONTROLLER BOARD	1	1	1	MULTI.C.B.	
43	R 0 1 E 1 0 3 1 1	M-NET POWER BOARD	1	1	1	M-NET P.B.	
44	T 7 W M 0 1 3 7 3	POWER BOARD	1	1	1	P.B.	
45	R 0 1 A 2 7 3 7 1	HEAT SINK	1	1	1		Includes SCREWS
46	R 0 1 M 1 6 2 0 2	THERMISTOR (HS)	1	1	1	TH8 (Heat Sink)	
47	T 7 W P 0 5 2 4 6	T.B./L1.L2.E	1	1	1	TB1	3P (L1.L2.E)
48	T 7 W S 0 5 2 4 6	T.B./B1.B2.E	1	1	1	TB1B	3P (B1, B2, E)
49	R 0 1 E 2 7 2 4 6	T.B./M1.M2.S	2	2	2	TB3, TB7	3P (M1, M2, S)
50	R 0 1 E 2 3 2 3 9	FUSE 20 A 250 V	2	2	2	FUSE1, 2	20 A 250 V
51	R 0 1 E 0 0 2 4 1	FUSE HOLDER	2	2	2		
52	T 7 W E 5 5 3 4 6	NOISE FILTER	1	1	1	N.F.	
53	T 7 W B 0 6 3 0 0	BASE HEATER	1	1	1	BH, THP	
54	T 7 W A 0 1 4 5 5	REF. MARKER (SNAP) 1P	4	4	4		

3 OPTIONAL PARTS

Parts name	Parts No.
AIR OUTLET GUIDE*1	PAC-SH96SG-E
DRAIN SOCKET *2	PAC-SG61DS-E
CENTRALIZED DRAIN PAN*2	PAC-SH97DP-E
DEFROST HEATER	PAC-SJ20BH-E
2 BRANCH PIPE (Brazing)	MSDD-50BR-E
2 BRANCH PIPE (Flare)	MSDD-50AR2-E
2 BRANCH PIPE (Joint)	CMY-Y62-G-E
4 BRANCH PIPE (Joint)	CMY-Y64-G-E
8 BRANCH PIPE (Joint)	CMY-Y68-G-E
JOINT PIPE (Unit → Extension pipe)	PAC-SJ87RJ-E (1/4 [ø6.35] → 3/8 [ø9.52])
	PAC-SJ88RJ-E (3/8 [ø9.52] → 1/2 [ø12.7])
	PAC-SK90RJ-E (3/8 [ø9.52] → 5/8 [ø15.88])
	PAC-SK88RJ-E (1/2 [ø12.7] → 3/8 [ø9.52])
	PAC-SK89RJ-E (1/2 [ø12.7] → 5/8 [ø15.88])
	PAC-SK87RJ-E (5/8 [ø15.88] → 3/4 [ø19.05])*3
Power Supply Interface for Alarm Kit	PAC-IF55AL-E
Alarm Kit	PAC-SL54AL-E

*1: Need 2 pieces

*2: Only for MXZ-SM36/48/60NL model

It cannot be used with DEFROST HEATER.

*3: Only for MXZ-SM60

MITSUBISHI ELECTRIC CORPORATION

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