

PARTS CATALOG

R454B

Outdoor unit

[Model Name]

PUZ-AK36NL2

PUZ-AK42NL2

PUZ-AK48NL2

PUZ-AK60NL2

PUY-AK36NL2

PUY-AK42NL2

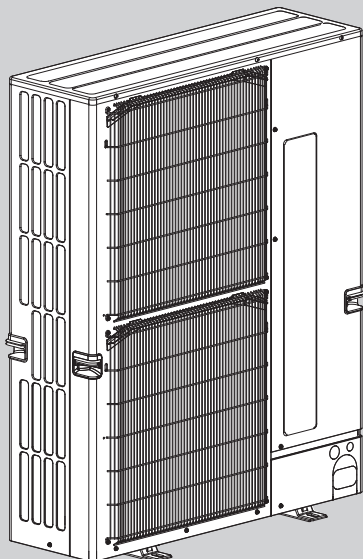
PUY-AK48NL2

PUY-AK60NL2

SUZ-AK48NL2

SUZ-AK60NL2

[Service Reference]

PUZ-AK36NL2-U1
PUZ-AK42NL2-U1
PUZ-AK48NL2-U1
PUZ-AK60NL2-U1
PUY-AK36NL2-U1
PUY-AK42NL2-U1
PUY-AK48NL2-U1
PUY-AK60NL2-U1
SUZ-AK48NL2-U1
SUZ-AK60NL2-U1


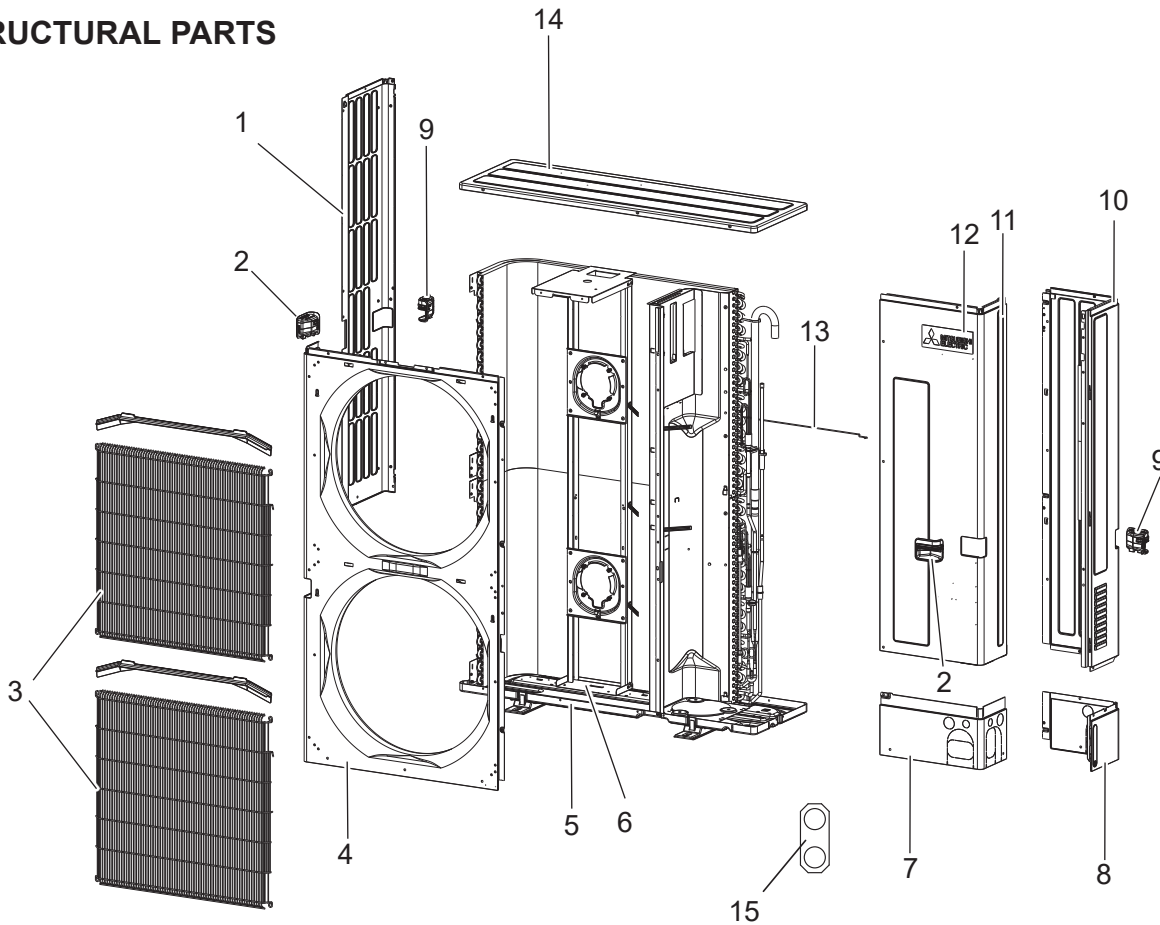
PUZ-AK36/42/48/60NL2
PUY-AK36/42/48/60NL2
SUZ-AK48/60NL2

CONTENTS

1. SERVICE PARTS LIST 2

SERVICE MANUAL (OCH950)

STRUCTURAL PARTS



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

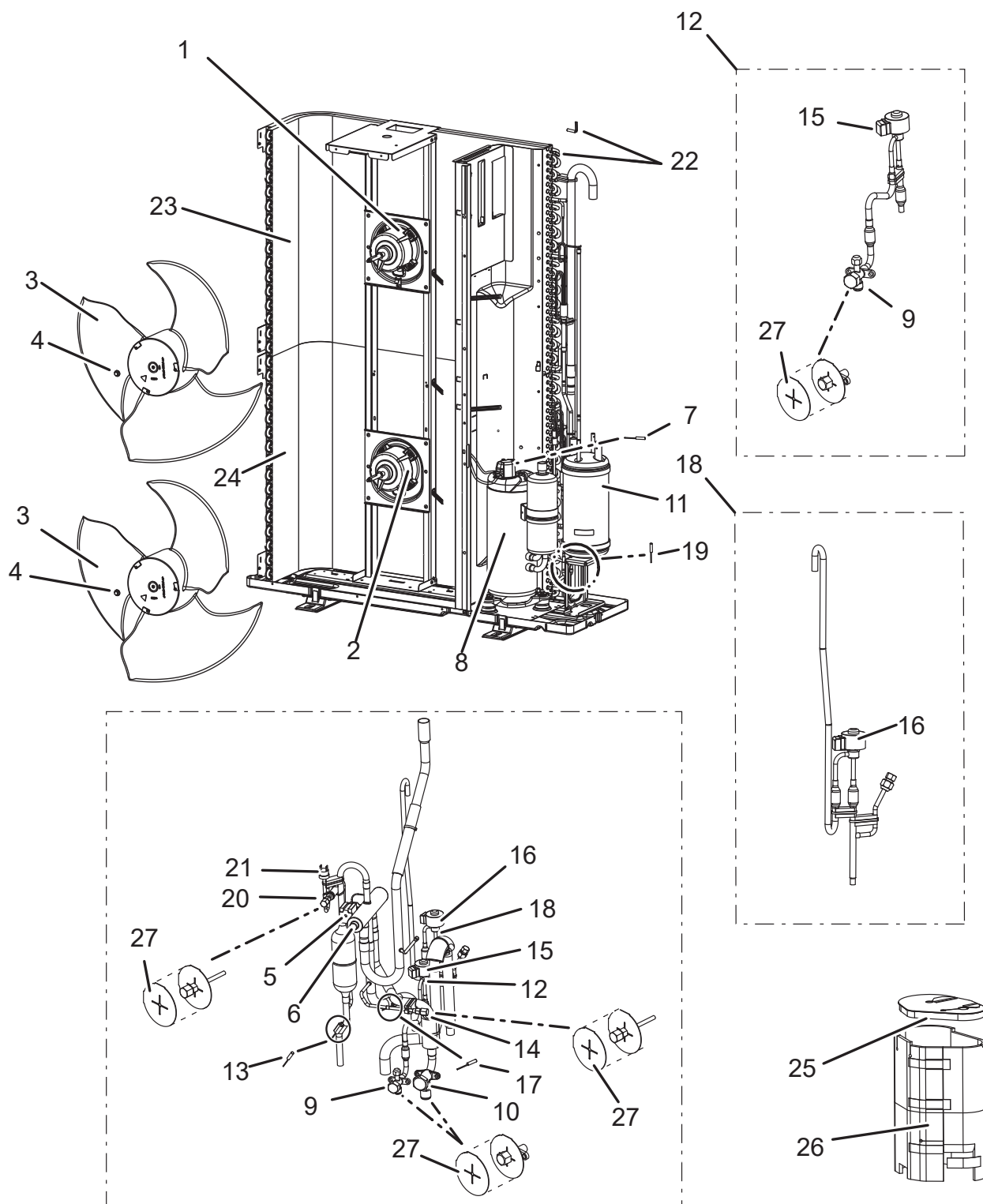
2. The circled No. indicates that the part is not shown in the figure.

No.	Parts No.	Parts Name	PUZ-AK36NL2-U1	PUZ-AK42NL2-U1	PUZ-AK48NL2-U1	PUZ-AK60NL2-U1	PUY-AK36NL2-U1	PUY-AK42NL2-U1	PUY-AK48NL2-U1	PUY-AK60NL2-U1	SUZ-AK48NL2-U1	SUZ-AK60NL2-U1	Wiring Diagram Symbol	Remarks
1	U 2 1 0 0 5 0 0 0	SIDE PANEL (L)	1	1	1	1	1	1	1	1	1	1		
2	U 2 1 0 0 1 8 1 9	HANDLE (FRONT)	2	2	2	2	2	2	2	2	2	2		
3	U 2 1 0 0 1 5 2 1	WIRE GRILLE	2	2	2	2	2	2	2	2	2	2		
4	U 2 1 0 0 1 0 1 0	FRONT PANEL	1	1	1	1	1	1	1	1	1	1		
5	U 2 1 0 0 1 2 9 0	BASE ASSY	1	1	1	1	1	1	1	1	1	1		
6	U 2 1 0 0 4 5 1 5	MOTOR SUPPORT	1	1			1	1						
6	U 2 1 0 0 3 5 1 5	MOTOR SUPPORT			1	1			1	1	1	1		
7	U 2 1 0 0 2 0 1 0	COVER PANEL (FRONT)	1	1	1	1	1	1	1	1	1	1		
8	U 2 1 0 0 3 0 0 0	COVER PANEL (REAR)	1	1	1	1	1	1	1	1	1	1		
9	U 0 1 0 0 3 8 1 9	HANDLE (REAR)	2	2	2	2	2	2	2	2	2	2		
10	U 2 1 0 0 6 0 0 0	SIDE PANEL (R)	1	1	1	1	1	1	1	1	1	1		
11	U 2 1 0 0 2 2 4 5	SERVICE PANEL	1	1	1	1	1	1	1	1	1	1		
12	U 0 1 M 0 1 9 8 7	BRAND LABEL	1	1	1	1	1	1	1	1	1	1		
13	U 0 1 0 0 1 1 4 5	SUPPORT WIRE	1	1	1	1	1	1	1	1	1	1		
14	U 2 1 0 0 7 0 0 0	TOP PANEL	1	1	1	1	1	1	1	1	1	1		
15	U 2 1 0 0 2 9 7 8	CONDUIT PLATE	1	1	1	1	1	1	1	1	1	1		

FUNCTIONAL PARTS

PUZ-AK36NL2-U1 PUZ-AK42NL2-U1

PUY-AK36NL2-U1 PUY-AK42NL2-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.

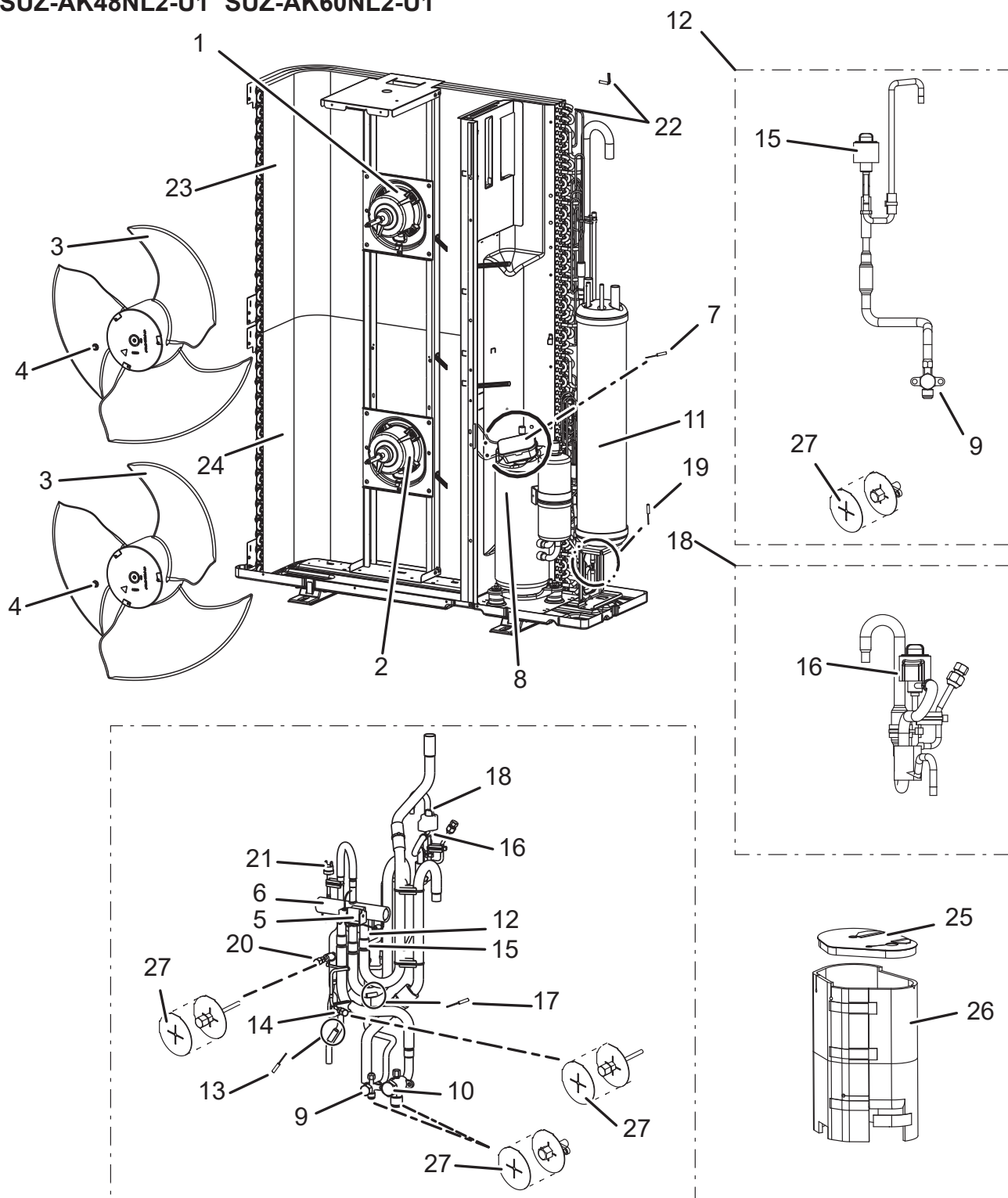
No.	Parts No.	Parts Name	PUZ-AK36NL2-U1	PUZ-AK42NL2-U1	PUY-AK36NL2-U1	PUY-AK42NL2-U1	Wiring Diagram Symbol	Remarks
1	U21 001 300	FAN MOTOR	1	1	1	1	MF1	
2	U21 003 300	FAN MOTOR	1	1	1	1	MF2	
3	U21 001 501	PROPELLER FAN/D550	2	2	2	2		
4	U21 001 822	CAP NUT (MEC) M6	2	2	2	2		M6
5	U21 002 243	SOLENOID COIL DWG 1	1	1			21S4	Includes SCREW
6	U21 001 961	4-WAY VALVE	1	1	1	1		
7	U21 003 200	THERMISTOR (SHELL)	1	1	1	1	TH33	
8	U21 001 900	COMPRESSOR	1	1	1	1	MC	MRB36FEGMC Includes RUBBER MOUNT
9	U21 001 661	STOP VALVE	1	1	1	1		ø3/8
10	U21 002 661	STOP VALVE	1	1	1	1		ø5/8 Includes STRAINER
11	U21 001 089	POWER RECEIVER	1	1	1	1		
12	U21 013 493	LEV-B ASSY	1	1	1	1		Includes STOP VALVE
13	U21 004 200	THERMISTOR (DIS)	1	1	1	1	TH4	
14	U21 001 821	CHARGE PLUG/ST	1	1	1	1		
15	U21 001 493	LEV COIL/XAP5-RED	1	1	1	1	LEV-B	
16	U21 003 493	LEV COIL/XAP5-WH	1	1	1	1	LEV-A	
17	U21 005 200	THERMISTOR	1	1	1	1	TH32	
18	U21 015 493	LEV-A ASSY	1	1	1	1		
19	U21 006 200	THERMISTOR	1	1	1	1	TH3	
20	U21 001 821	CHARGE PLUG/ST	1	1	1	1		
21	U01 A02 541	HIGH PRESSURE SWITCH	1	1	1	1	63H	OFF 4.14MPa
22	U21 008 200	THERMISTOR W	1	1	1	1	TH6 (Outdoor 2-Phase pipe), TH7 (Ambient)	
23	U21 003 620	HEAT EXCHANGER (TOP)	1	1	1	1		Includes JOINT
24	U21 005 620	HEAT EXCHANGER (UNDER)	1	1	1	1		Includes JOINT
25	U21 001 100	COMP FELT (TOP)	1	1	1	1		
26	U21 002 100	COMP FELT (BODY)	1	1	1	1		
27	U21 001 104	REF.MARKER (SNAP) 1P	4	4	4	4		

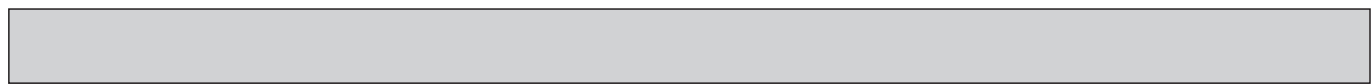
FUNCTIONAL PARTS

PUZ-AK48NL2-U1 PUZ-AK60NL2-U1

PUY-AK48NL2-U1 PUY-AK60NL2-U1

SUZ-AK48NL2-U1 SUZ-AK60NL2-U1





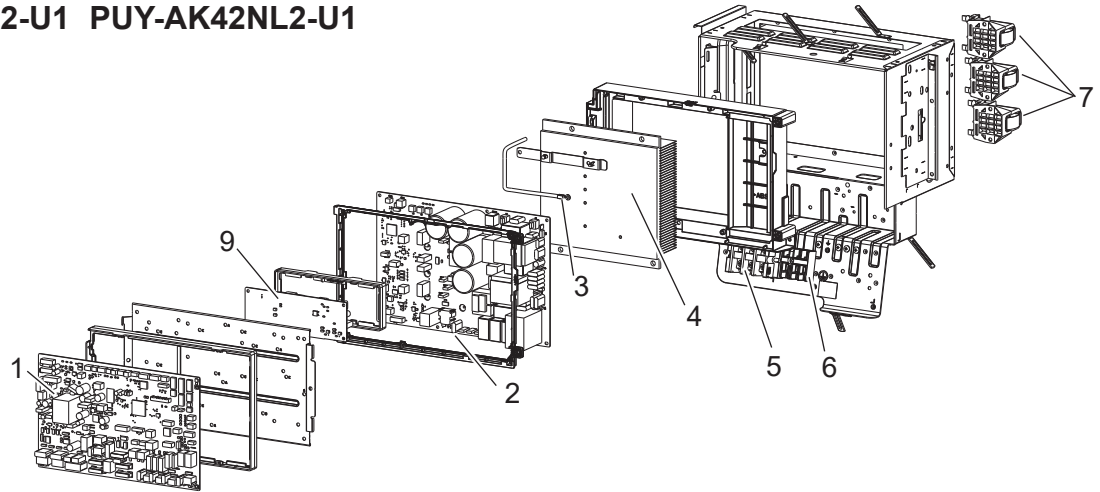
1. The part quantity below indicates the required number of pieces per unit.
2. The circled No. indicates that the part is not shown in the figure.

No.	Parts No.	Parts Name	PUZ-AK48NL2-U1	PUZ-AK60NL2-U1	PUY-AK48NL2-U1	PUY-AK60NL2-U1	SUZ-AK48NL2-U1	SUZ-AK60NL2-U1	Wiring Diagram Symbol	Remarks
1	U21 002 300	FAN MOTOR	1	1	1	1	1	1	MF1	
2	U21 004 300	FAN MOTOR	1	1	1	1	1	1	MF2	
3	U21 001 501	PROPELLER FAN/D550	2	2	2	2	2	2		
4	U21 001 822	CAP NUT (MEC) M6	2	2	2	2	2	2		M6
5	U21 002 243	SOLENOID COIL DWG 1	1	1			1	1	21S4	Includes SCREW
6	U21 001 961	4-WAY VALVE	1	1	1	1	1	1		
7	U21 003 200	THERMISTOR (SHELL)	1	1	1	1	1	1	TH33	
8	U21 002 900	COMPRESSOR	1	1	1	1	1	1	MC	MRB53FEJMC-L Includes RUBBER MOUNT
9	U21 001 661	STOP VALVE	1	1	1	1	1	1		ø3/8
10	U21 002 661	STOP VALVE	1		1		1			ø5/8 Includes STRAINER
10	U21 003 661	STOP VALVE		1		1		1		ø3/4 Includes STRAINER
11	U21 002 089	POWER RECEIVER	1	1	1	1	1	1		
12	U21 014 493	LEV-B ASSY	1	1	1	1	1	1		Includes STOP VALVE
13	U21 004 200	THERMISTOR (DIS)	1	1	1	1	1	1	TH4	
14	U21 002 821	CHARGE PLUG/LB90	1	1	1	1	1	1		
15	U21 002 493	LEV COIL/XAP5-RED	1	1	1	1	1	1	LEV-B	
16	U21 004 493	LEV COIL/XAP5-WH	1	1	1	1	1	1	LEV-A	
17	U21 005 200	THERMISTOR	1	1	1	1	1	1	TH32	
18	U21 016 493	LEV-A ASSY	1	1	1	1	1	1		
19	U21 006 200	THERMISTOR	1	1	1	1	1	1	TH3	
20	U21 002 821	CHARGE PLUG/LB90	1	1	1	1	1	1		
21	U01 A02 541	HIGH PRESSURE SWITCH	1	1	1	1	1	1	63H	OFF 4.14MPa
22	U21 008 200	THERMISTOR W	1	1	1	1	1	1	TH6 (Outdoor 2-Phase pipe), TH7 (Ambient)	
23	U21 004 620	HEAT EXCHANGER (TOP)	1	1	1	1	1	1		
24	U21 006 620	HEAT EXCHANGER (UNDER)	1	1	1	1	1	1		
25	U21 001 100	COMP FELT (TOP)	1	1	1	1	1	1		
26	U21 002 100	COMP FELT (BODY)	1	1	1	1	1	1		
27	U21 001 104	REF.MARKER (SNAP) 1P	4	4	4	4	4	4		

ELECTRICAL PARTS

PUZ-AK36NL2-U1 PUZ-AK42NL2-U1

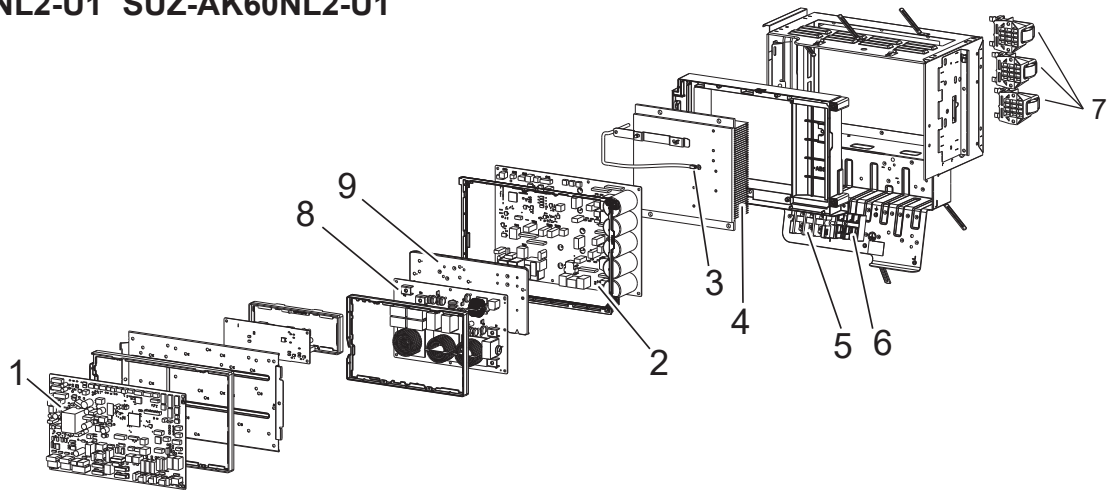
PUY-AK36NL2-U1 PUY-AK42NL2-U1



PUZ-AK48NL2-U1 PUZ-AK60NL2-U1

PUY-AK48NL2-U1 PUY-AK60NL2-U1

SUZ-AK48NL2-U1 SUZ-AK60NL2-U1



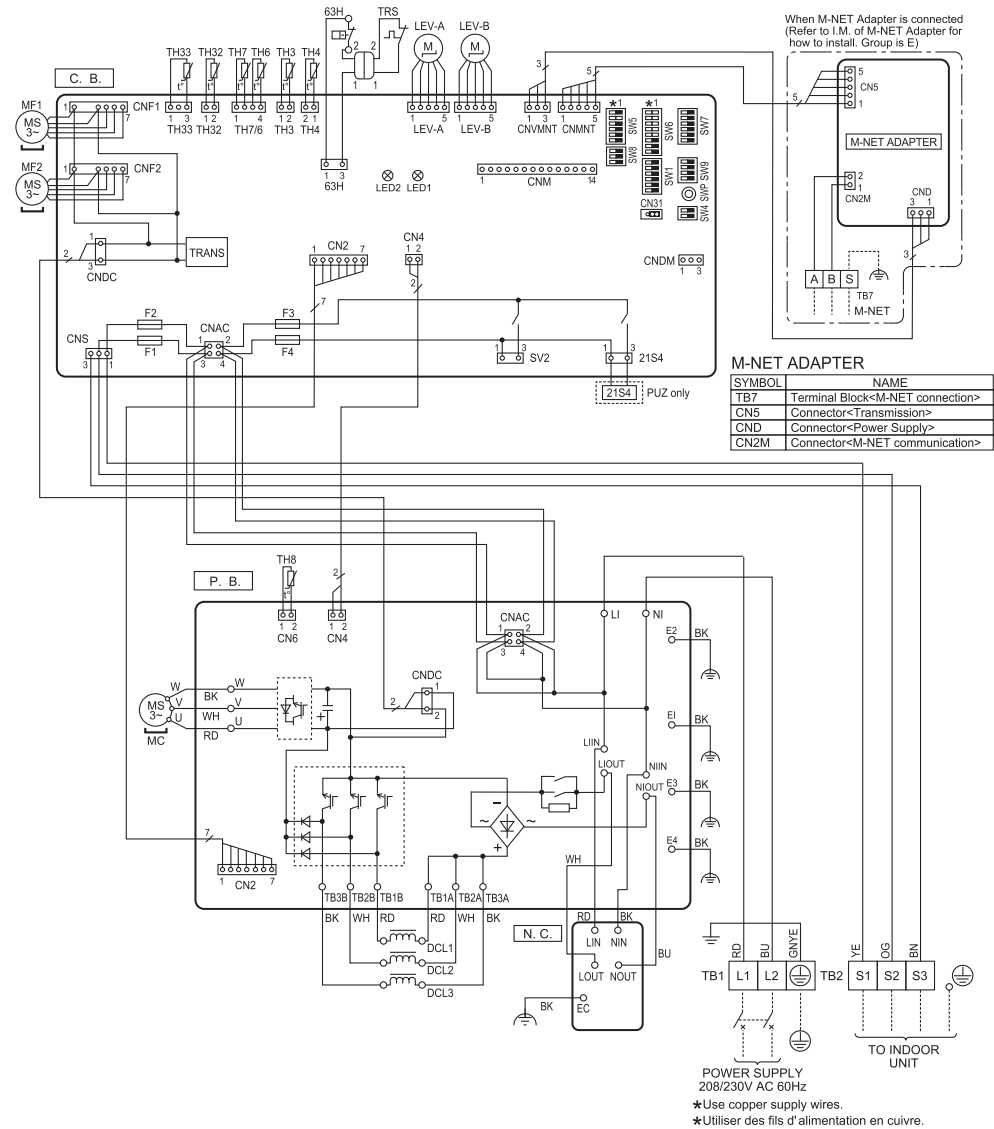
1. The part quantity below indicates the required number of pieces per unit.

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

No.	Parts No.	Parts Name	PUZ-AK36NL2-U1	PUZ-AK42NL2-U1	PUZ-AK48NL2-U1	PUZ-AK60NL2-U1	PUY-AK36NL2-U1	PUY-AK42NL2-U1	PUY-AK48NL2-U1	PUY-AK60NL2-U1	SUZ-AK48NL2-U1	SUZ-AK60NL2-U1	Wiring Diagram Symbol	Remarks
1	U01 001 280	CONTROLLER BOARD	1	1	1	1	1	1	1	1	1	1	C.B.	
2	U21 003 440	POWER BOARD	1	1			1	1					P.B.	
2	U21 004 440	POWER BOARD			1	1			1	1	1	1	P.B.	
3	U21 001 200	THERMISTOR(HS)	1	1			1	1					TH8 (Heat Sink)	
3	U21 002 200	THERMISTOR(HS)			1	1			1	1	1	1	TH8 (Heat Sink)	
4	U21 001 620	HEAT SINK	1	1			1	1						Includes SCREW
4	U21 002 620	HEAT SINK			1	1			1	1	1	1		Includes SCREW
5	U21 001 246	T.B./L1.L2.E	1	1	1	1	1	1	1	1	1	1	TB1 (L1/L2/E)	
6	U01 A07 374	T.B./S1.S2.S3	1	1	1	1	1	1	1	1	1	1	TB2 (S1/S2/S3)	
7	U01 A07 337	REACTOR	3	3	3	3	3	3	3	3	3	3	DCL1, DCL2, DCL3	
8	U21 002 323	NOISE FILTER			1	1			1	1	1	1	N.F.	
9	U21 003 324	NOISE CANCELLER	1	1			1	1					N.C.	
9	U21 004 324	NOISE CANCELLER			1	1			1	1	1	1	N.C.	

LEAD WIRE ASSEMBLY

PUZ-AK36NL2-U1 PUZ-AK42NL2-U1
PUY-AK36NL2-U1 PUY-AK42NL2-U1



1. The part quantity below indicates the required number of pieces per unit.
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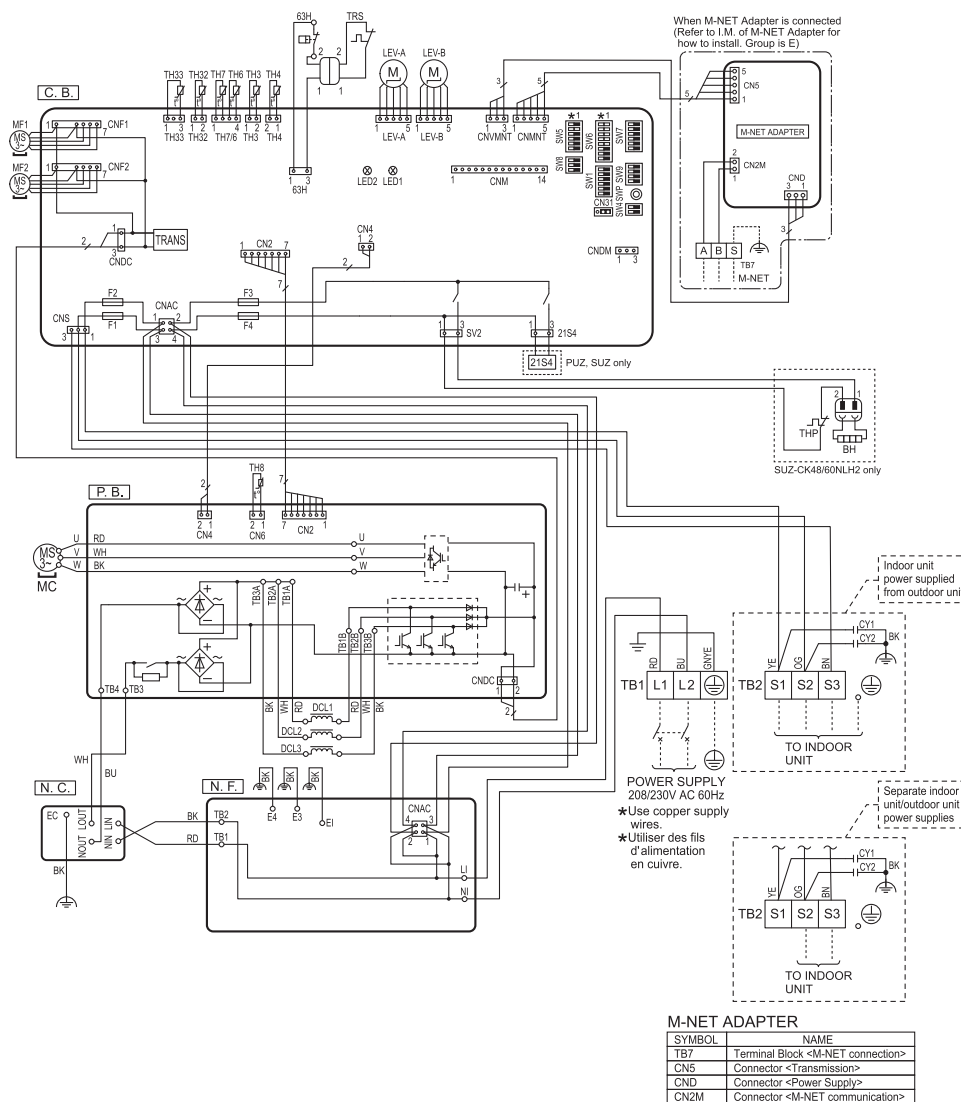
No.	Parts No.	Parts Name	PUZ-AK36NL2-U1	PUZ-AK42NL2-U1	PUY-AK36NL2-U1	PUY-AK42NL2-U1	Wiring Diagram Symbol	Remarks
①	U21 004 392	LEAD ASSY KIT	1	1	1	1	TRS	Includes LEAD ASSY, LEAD ASSY COMP, TRS ASSY

LEAD WIRE ASSEMBLY

PUZ-AK48NL2-U1 PUZ-AK60NL2-U1

PUY-AK48NL2-U1 PUY-AK60NL2-U1

SUZ-AK48NL2-U1 SUZ-AK60NL2-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	PUZ-AK48NL2-U1	PUZ-AK60NL2-U1	PUY-AK48NL2-U1	PUY-AK60NL2-U1	SUZ-AK48NL2-U1	SUZ-AK60NL2-U1	Wiring Diagram Symbol	Remarks
①	U21 004 392	LEAD ASSY KIT	1	1	1	1	1	1	TRS	Includes LEAD ASSY, LEAD ASSY COMP, TRS ASSY

mitsubishi electric corporation

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