

**PARTS CATALOG** **R290**

<Outdoor unit>

[Model Name]

[Service Ref.]

PUZ-WZ50VAA

**PUZ-WZ50VAA.UK**

**PUZ-WZ50VAAR6.UK**

PUZ-WZ60VAA

**PUZ-WZ60VAA.UK**

**PUZ-WZ60VAAR6.UK**

PUZ-WZ80VAA

**PUZ-WZ80VAA.UK**

Salt proof model

PUZ-WZ50VAA-BS

**PUZ-WZ50VAA-BS.UK**

**PUZ-WZ50VAA-BSR6.UK**

PUZ-WZ60VAA-BS

**PUZ-WZ60VAA-BS.UK**

**PUZ-WZ60VAA-BSR6.UK**

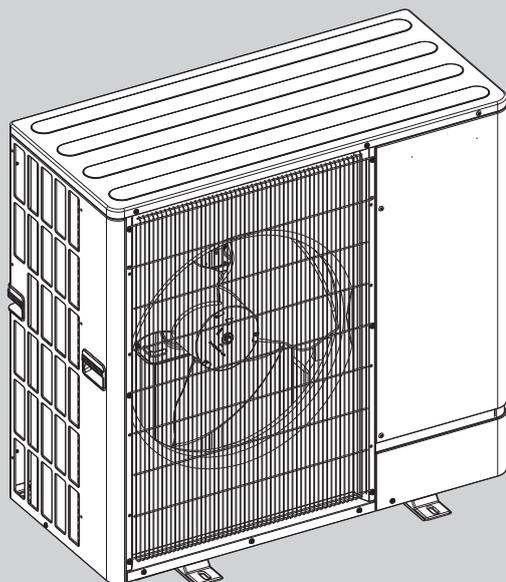
PUZ-WZ80VAA-BS

**PUZ-WZ80VAA-BS.UK**

Revision:

- PUZ-WZ50/60VAAR6.UK and  
PUZ-WZ50/60VAA-BSR6.UK  
have been added  
in REVISED EDITION-B.

OCB816A is void.



**PUZ-WZ50VAA.UK**

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2. OPTIONAL PARTS.....10

**SERVICE MANUAL (OCH816)**

**FUNCTIONAL AND ELECTRICAL PARTS**

PUZ-WZ50VAA.UK

PUZ-WZ60VAA.UK

PUZ-WZ50VAAR6.UK

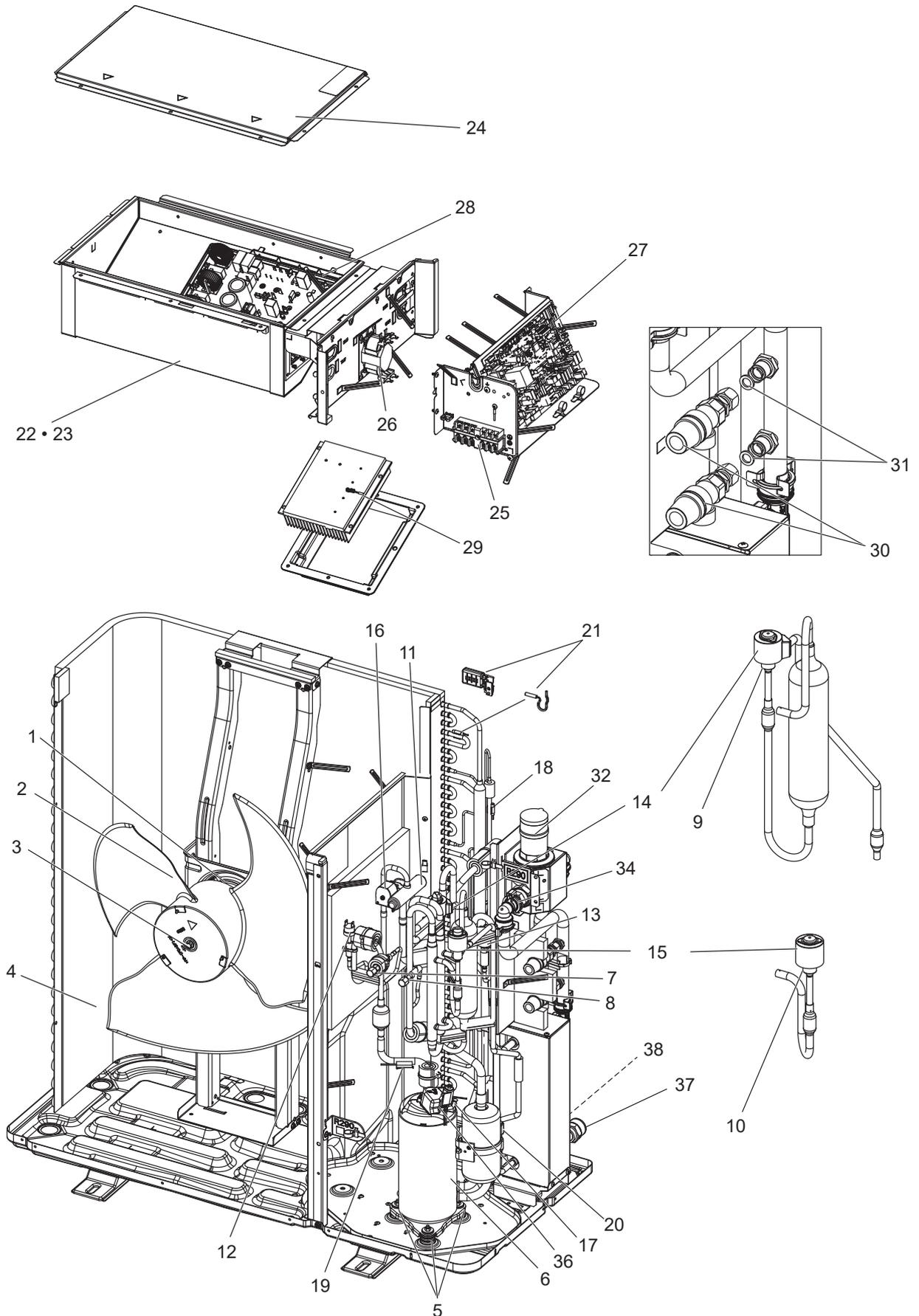
PUZ-WZ60VAAR6.UK

PUZ-WZ50VAA-BS.UK

PUZ-WZ60VAA-BS.UK

PUZ-WZ50VAA-BSR6.UK

PUZ-WZ60VAA-BSR6.UK

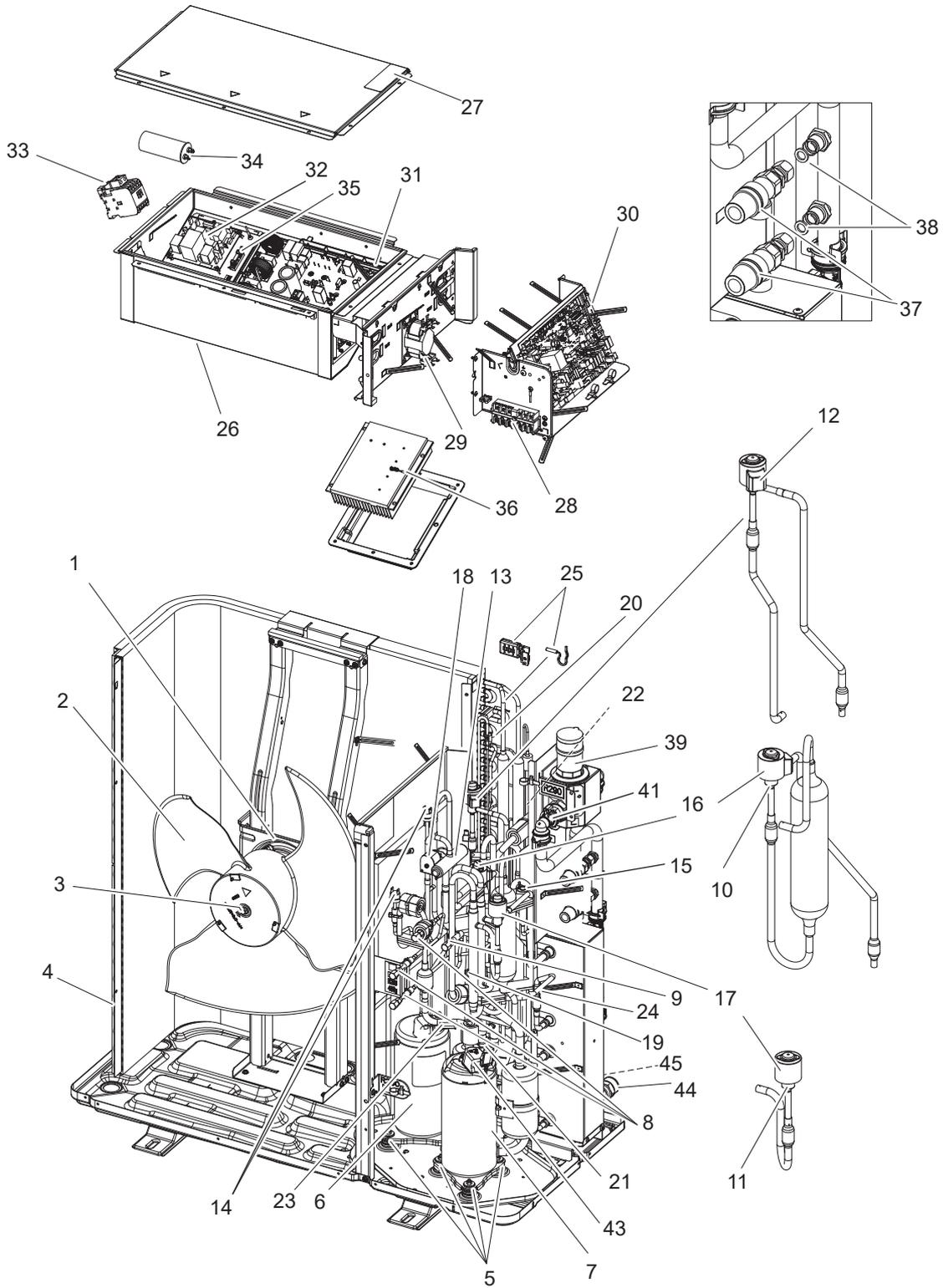


1. The part quantity below indicates the required number of pieces per unit.
2. The circled No. indicates that the part is not shown in the figure.
3. The service parts marked with "\*" can only be purchased and serviced by the contractors and the competent persons authorized by the manufacturer.

No.	Parts No.	Parts Name									Wiring Diagram Symbol	Remarks [Drawing No.]	
			PUZ-WZ50VAA.UK	PUZ-WZ50VAAR6.UK	PUZ-WZ60VAA.UK	PUZ-WZ60VAAR6.UK	PUZ-WZ50VAA-BS.UK	PUZ-WZ50VAA-BSR6.UK	PUZ-WZ60VAA-BS.UK	PUZ-WZ60VAA-BSR6.UK			
1	S70 E98 763	FAN MOTOR	1	1	1	1	1	1	1	1	1	MF1	
2	S70 E50 115	PROPELLER FAN	1	1	1	1	1	1	1	1	1		
3	S70 K01 097	NUT	1	1	1	1	1	1	1	1	1		
*4	S70 E49 408	HEAT EXCHANGER	1	1	1	1	1	1	1	1	1		
5	S70 E03 004	RUBBER MOUNT	3	3	3	3	3	3	3	3	3		
*6	S70 E57 400	COMPRESSOR INV	1	1	1	1	1	1	1	1	1	MC	SPB280FARMC
*7	S70 E06 413	CHARGE PLUG (STRAIGHT)	1	1	1	1	1	1	1	1	1		
*8	S70 E07 413	CHARGE PLUG (L-BEND)	1	1	1	1	1	1	1	1	1		
*9	S70 A01 401	PIPE HIC (INCLUDES LEV A) (INV)	1	1	1	1	1	1	1	1	1	LEV A	UKV-SE19D018
*10	S70 A03 401	PIPE (INCLUDES LEV B) (INV)	1	1	1	1	1	1	1	1	1	LEV B	UKV-SE19D018
*11	S70 E11 403	REVERSING VALVE	1	1	1	1	1	1	1	1	1		STF-H0239
*12	S70 E12 208	HIGH PRESSURE SWITCH	1	1	1	1	1	1	1	1	1	63H	ACB-1UB101
*13	S70 E03 208	HIGH PRESSURE SENSOR	1	1	1	1	1	1	1	1	1	63HS	NSK-BH035D-A94
14	S70 E70 402	LINEAR EXPANSION VALVE COIL	1	1	1	1	1	1	1	1	1	LEV-A	KVC-1A028
15	S70 E71 402	LINEAR EXPANSION VALVE COIL	1	1	1	1	1	1	1	1	1	LEV-B	KVC-1A029
16	S70 E77 324	SOLENOID COIL LEAD ASSY	1	1	1	1	1	1	1	1	1		STF-H01AJ1709A0 includes wiring of H.P. SWITCH
17	S70 E87 202	THERMISTOR (COMP. SURFACE)	1	1	1	1	1	1	1	1	1	TH33	PXM-M41E-M5-1R
18	S70 E87 202	THERMISTOR (LIQUID)	1	1	1	1	1	1	1	1	1	TH3	PXM-M41E-M5-1R
19	S70 E87 202	THERMISTOR (DISCHARGE)	1	1	1	1	1	1	1	1	1	TH4	PXM-M41E-M5-1R
20	S70 E87 202	THERMISTOR (PLATE HEX LIQUID)	1	1	1	1	1	1	1	1	1	TH34	PXM-M41E-M5-1R
21	S70 E87 202	THERMISTOR-W (AMBIENT, 2-PHASE PIPE)	1	1	1	1	1	1	1	1	1	TH6/7	PXM-M41E-M5-1R
22	S70 E11 316	ELECT BOX ASSY	1	1				1	1				Includes SEALING PARTS
23	S70 E12 316	ELECT BOX ASSY			1	1				1	1		Includes SEALING PARTS
24	S70 E30 502	CONT BOX TOP ASSY	1	1	1	1	1	1	1	1	1		SEALING PARTS OF ELECT BOX
25	S70 E11 716	TERMINAL BLOCK	1	1	1	1	1	1	1	1	1	TB1	
26	S70 K86 259	REACTOR	1	1	1	1	1	1	1	1	1		
27	S70 E61 315	CONTROLLER BOARD	1	1	1	1	1	1	1	1	1	C.B.	
28	S70 E54 313	POWER BOARD	1	1	1	1	1	1	1	1	1	P.B.	
29	S70 E88 202	THERMISTOR (HEAT SINK)	1	1	1	1	1	1	1	1	1	TH8	LTEP-45-M4-1
30	S70 E51 404	PRESSURE RELIEF VALVE ASSY	2	2	2	2	2	2	2	2	2		
31	S70 C99 460	GASKET	2	2	2	2	2	2	2	2	2		
32	S70 E10 101	AIR SEPARATOR ASSY	1	1	1	1	1	1	1	1	1		
③③	S70 C23 460	O-RING	7	7	7	7	7	7	7	7	7		
34	S70 C10 465	FASTENER	7	7	7	7	7	7	7	7	7		For quick connection
③⑤	S70 C01 900	GREASE	1	1	1	1	1	1	1	1	1		For quick connection
36	S70 E06 706	THERMAL PROTECTOR	1	1	1	1	1	1	1	1	1		
37	S70 010 102	INLET WATER PIPE	1	1	1	1	1	1	1	1	1		
38	S70 020 102	OUTLET WATER PIPE	1	1	1	1	1	1	1	1	1		Includes pipe cover [BH33T353W04]

Do not reuse the gaskets (No.31) or O-rings (No.33) that were once removed, but be sure to replace with a new one.  
Apply grease appropriately on the O-ring for the quick connection in the unit.  
When you detach DAMPER during work, do not forget to reattach the DAMPER.  
The thermistors No. 16 to No. 21 are supplied as a set.

**FUNCTIONAL AND ELECTRICAL PARTS**  
**PUZ-WZ80VAA.UK**  
**PUZ-WZ80VAA-BS.UK**



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.
3. The service parts marked with "\*" can only be purchased and serviced by the contractors and the competent persons authorized by the manufacturer.

No.	Parts No.	Parts Name	PUZ-WZ80VAA.UK	PUZ-WZ80VAA-BS.UK	Wiring Diagram Symbol	Remarks [Drawing No.]
1	S 7 0 E 9 8 7 6 3	FAN MOTOR	1	1	MF1	
2	S 7 0 E 5 0 1 1 5	PROPELLER FAN	1	1		
3	S 7 0 K 0 1 0 9 7	NUT	1	1		
*4	S 7 0 E 4 8 4 0 8	HEAT EXCHANGER	1	1		
5	S 7 0 E 0 3 0 0 4	RUBBER MOUNT	6	6		
*6	S 7 0 E 5 6 4 0 0	COMPRESSOR FIXED	1	1	MC	
*7	S 7 0 E 5 7 4 0 0	COMPRESSOR INV	1	1	MC	
*8	S 7 0 E 0 6 4 1 3	CHARGE PLUG (STRAIGHT)	3	3		
*9	S 7 0 E 0 7 4 1 3	CHARGE PLUG (L-BEND)	1	1		
*10	S 7 0 A 0 1 4 0 1	PIPE HIC (INCLUDES LEV A) (INV)	1	1	LEV A	UKV-SE19D018
*11	S 7 0 A 0 3 4 0 1	PIPE (INCLUDES LEV B) (INV)	1	1	LEV B	UKV-SE19D018
*12	S 7 0 A 0 2 4 0 1	PIPE LEV C ASSY(INCLUDES LEV & LEV COIL) (FIXED)	1	1	LEV C	UKV-SE13D017 & KVC-1A030
*13	S 7 0 E 1 1 4 0 3	REVERSING VALVE	1	1		STF-H0239
*14	S 7 0 E 1 2 2 0 8	HIGH PRESSURE SWITCH	2	2	63H, 63L	ACB-1UB101
*15	S 7 0 E 0 3 2 0 8	HIGH PRESSURE SENSOR	1	1	63HS	NSK-BH035D-A94
16	S 7 0 E 7 0 4 0 2	LINEAR EXPANSION VALVE COIL	1	1	LEV-A	KVC-1A028
17	S 7 0 E 7 1 4 0 2	LINEAR EXPANSION VALVE COIL	1	1	LEV-B	KVC-1A029
18	S 7 0 E 7 8 3 2 4	SOLENOID COIL LEAD ASSY	1	1		STF-H01AJ1709A0 includes wiring of H.P. SWITCH
19	S 7 0 E 8 6 2 0 2	THERMISTOR (SUCTION FIXED)	1	1	TH35	PXM-M41E-M6-1R
20	S 7 0 E 8 6 2 0 2	THERMISTOR (LIQUID FIXED)	1	1	TH32	PXM-M41E-M6-1R
21	S 7 0 E 8 6 2 0 2	THERMISTOR (COMP. SURFACE)	1	1	TH33	PXM-M41E-M6-1R
22	S 7 0 E 8 6 2 0 2	THERMISTOR-H (LIQUID)	1	1	TH3	PXM-M41E-M6-1R
23	S 7 0 E 8 6 2 0 2	THERMISTOR (DISCHARGE)	1	1	TH4	PXM-M41E-M6-1R
24	S 7 0 E 8 6 2 0 2	THERMISTOR (PLATE HEX LIQUID)	1	1	TH34	PXM-M41E-M6-1R
25	S 7 0 E 8 6 2 0 2	THERMISTOR-W (AMBIENT, 2-PHASE PIPE)	1	1	TH6/7	PXM-M41E-M6-1R
26	S 7 0 E 1 3 3 1 6	ELECT BOX ASSY	1	1		Includes SEALING PARTS
27	S 7 0 E 3 0 5 0 2	CONT BOX TOP ASSY	1	1		SEALING PARTS OF ELECT BOX
28	S 7 0 E 1 1 7 1 6	TERMINAL BLOCK	1	1	TB1	
29	S 7 0 K 8 6 2 5 9	REACTOR	1	1		
30	S 7 0 E 6 2 3 1 5	CONTROLLER BOARD	1	1	C.B.	
31	S 7 0 E 5 4 3 1 3	POWER BOARD	1	1	P.B.	
32	S 7 0 9 6 8 2 8 2	COMPRESSOR PROTECTOR BOARD	1	1	C.P.	
33	S 7 0 5 4 7 7 0 8	CONTACTOR	1	1		
34	S 7 0 E 5 2 7 2 3	RUN CAPACITOR	1	1		
35	S 7 0 6 2 0 2 3 9	FUSE	1	1		
36	S 7 0 E 8 8 2 0 2	THERMISTOR (HEAT SINK)	1	1	TH8	LTEP-45-M4-1
37	S 7 0 E 5 1 4 0 4	PRESSURE RELIEF VALVE ASSY	2	2		
38	S 7 0 C 9 9 4 6 0	GASKET	2	2		
39	S 7 0 E 1 0 1 0 1	AIR SEPARATOR ASSY	1	1		
(40)	S 7 0 C 2 3 4 6 0	O-RING	10	10		
41	S 7 0 C 1 0 4 6 5	FASTENER	10	10		For quick connection
(42)	S 7 0 C 0 1 9 0 0	GREASE	1	1		For quick connection
43	S 7 0 E 0 6 7 0 6	THERMAL PROTECTOR	1	1		
44	S 7 0 0 1 0 1 0 2	INLET WATER PIPE	1	1		
45	S 7 0 0 3 0 1 0 2	OUTLET WATER PIPE	1	1		Includes pipe cover [BH33T353W03]

Do not reuse the gaskets (No.39) or O-rings (No.41) that were once removed, but be sure to replace with a new one.  
Apply grease appropriately on the O-ring for the quick connection in the unit.  
When you detach DAMPER during work, do not forget to reattach the DAMPER.  
The thermistors No. 19 to No. 26 are supplied as a set.

## STRUCTURAL PARTS

PUZ-WZ50VAA.UK

PUZ-WZ60VAA.UK

PUZ-WZ50VAAR6.UK

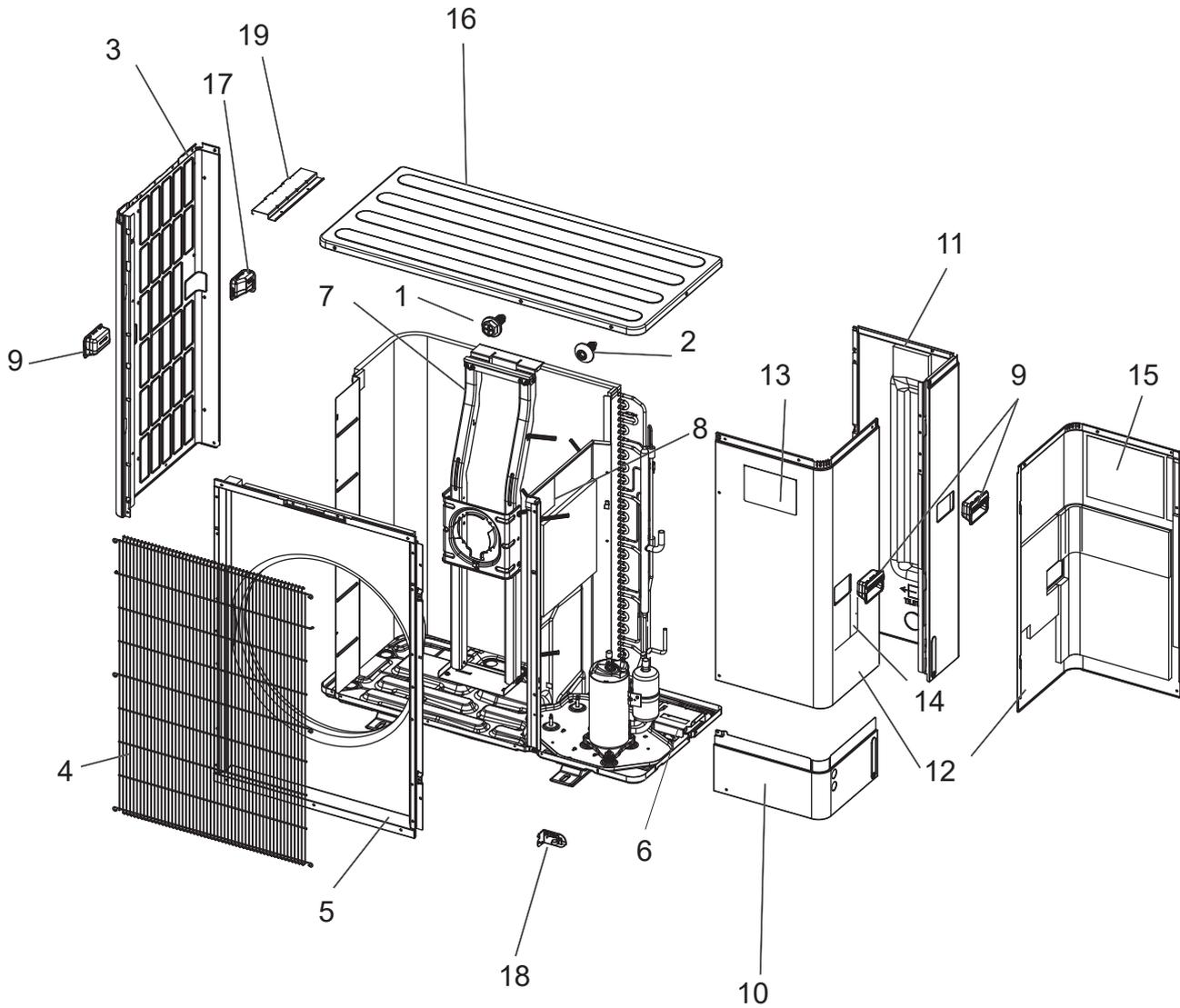
PUZ-WZ60VAAR6.UK

PUZ-WZ50VAA-BS.UK

PUZ-WZ60VAA-BS.UK

PUZ-WZ50VAA-BSR6.UK

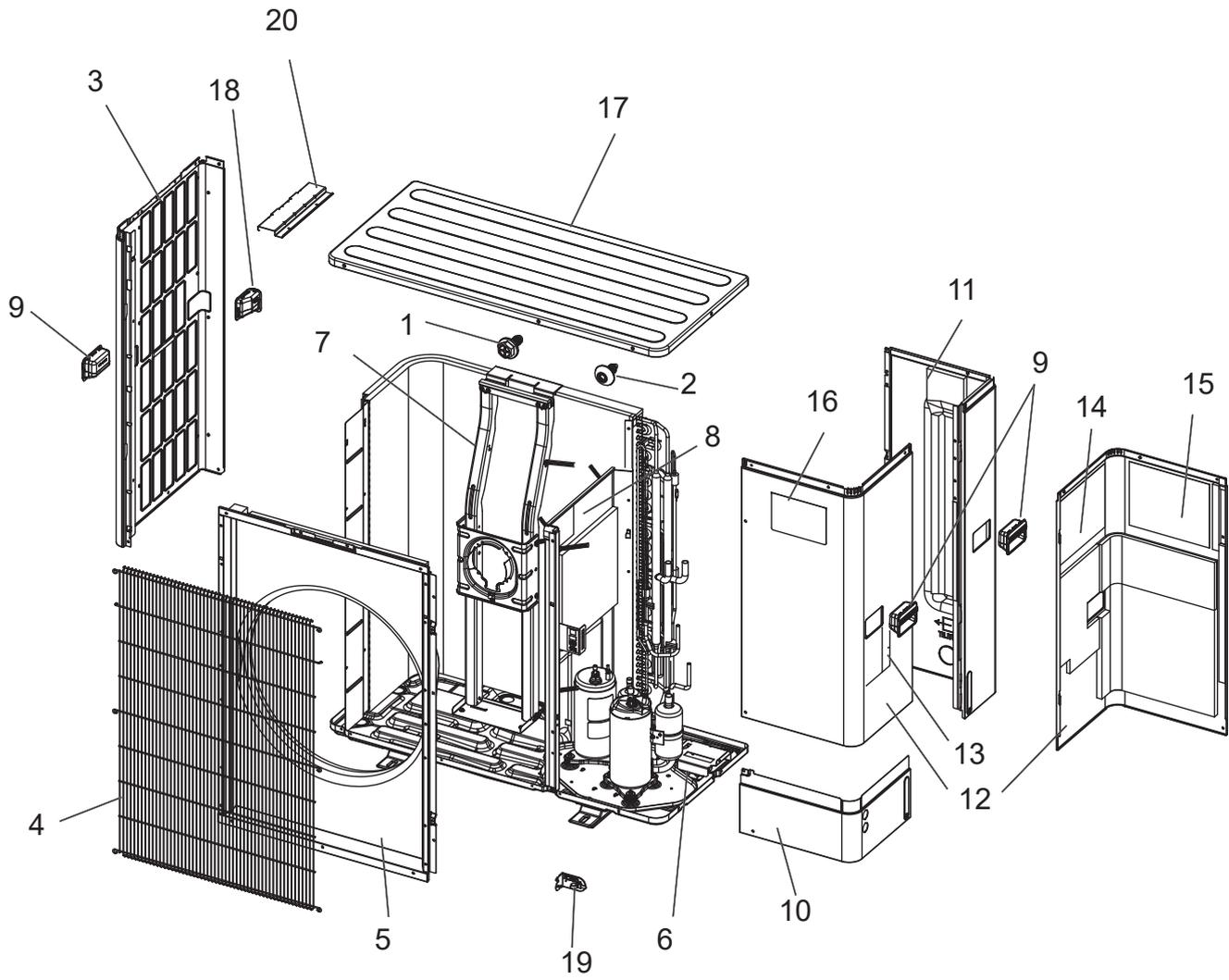
PUZ-WZ60VAA-BSR6.UK



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									Wiring Diagram Symbol	Remarks [Drawing No.]
			PUZ-WZ50VAA.UK	PUZ-WZ50VAAR6.UK	PUZ-WZ60VAA.UK	PUZ-WZ60VAAR6.UK	PUZ-WZ50VAA-BS.UK	PUZ-WZ50VAA-BSR6.UK	PUZ-WZ60VAA-BS.UK	PUZ-WZ60VAA-BSR6.UK		
1	—	F.ST SCREW	63	63	63	63	63	63	63	63		(5×12) [DG12F536H12-JP]
2	—	TORX SCREW	3	3	3	3	3	3	3	3		(5×12) [DG12T619H12-JP]
3	S70 E74 662	SIDE PANEL (L)	1	1	1	1						
3	S70 E83 662	SIDE PANEL (L)					1	1	1	1		
4	S70 E04 675	WIRE GRILLE	1	1	1	1	1	1	1	1		
5	S70 E80 668	FRONT PANEL	1	1	1	1						
5	S70 E81 668	FRONT PANEL					1	1	1	1		
6	S70 E49 686	BASE ASSY	1	1	1	1						
6	S70 E50 686	BASE ASSY					1	1	1	1		
7	S70 E68 130	MOTOR SUPPORT	1	1	1	1						
7	S70 E69 130	MOTOR SUPPORT					1	1	1	1		
8	—	SEPARATOR	1	1	1	1						[JQ00J026G01]
8	—	SEPARATOR					1	1	1	1		[JQ00J026G02]
9	S70 E40 655	HANDLE (FRONT)	3	3	3	3	3	3	3	3		
10	S70 E75 658	COVER PANEL (FRONT)	1	1	1	1						
10	S70 E76 658	COVER PANEL (FRONT)					1	1	1	1		
11	S70 E72 662	SIDE PANEL (R)	1	1	1	1						
11	S70 E73 662	SIDE PANEL (R)					1	1	1	1		
12	S70 E93 661	SERVICE PANEL	1	1	1	1						
12	S70 E94 661	SERVICE PANEL					1	1	1	1		
13	S70 N12 699	BRAND LABEL (ECODAN)	1	1	1	1	1	1	1	1		
14	S70 N10 699	NOTICE R290	1	1	1	1	1	1	1	1		
15	S70 E11 699	WIRING DIAGRAM WZ50/60	1	1	1	1	1	1	1	1		
16	S70 E81 641	TOP PANEL	1	1	1	1						
16	S70 E82 641	TOP PANEL					1	1	1	1		
17	S70 E50 655	HANDLE (REAR)	1	1	1	1	1	1	1	1		
18	—	CABLE BRACKET ASSY	1	1	1	1	1	1	1	1		[JQ00C361G01]
19	—	PANEL HOOK ASSY	1	1	1	1	1	1	1	1		[SQ00L812G01]

**STRUCTURAL PARTS**  
**PUZ-WZ80VAA.UK**  
**PUZ-WZ80VAA-BS.UK**



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-WZ80VAA.UK	PUZ-WZ80VAA-BS.UK	Wiring Diagram Symbol	Remarks [Drawing No.]
1	—	F.ST SCREW	63	63		(5×12) [DG12F536H12-JP]
2	—	TORX SCREW	3	3		(5×12) [DG12T619H12-JP]
3	S70 E74 662	SIDE PANEL (L)	1			
3	S70 E83 662	SIDE PANEL (L)		1		
4	S70 E04 675	WIRE GRILLE	1	1		
5	S70 E80 668	FRONT PANEL	1			
5	S70 E81 668	FRONT PANEL		1		
6	S70 E55 686	BASE ASSY	1			
6	S70 E56 686	BASE ASSY		1		
7	S70 E72 130	MOTOR SUPPORT	1			
7	S70 E73 130	MOTOR SUPPORT		1		
8	—	SEPARATOR	1			[JQ00J026G03]
8	—	SEPARATOR		1		[JQ00J026G04]
9	S70 E40 655	HANDLE (FRONT)	3	3		
10	S70 E75 658	COVER PANEL (FRONT)	1			
10	S70 E76 658	COVER PANEL (FRONT)		1		
11	S70 E72 662	SIDE PANEL (R)	1			
11	S70 E73 662	SIDE PANEL (R)		1		
12	S70 E93 661	SERVICE PANEL	1			
12	S70 E94 661	SERVICE PANEL		1		
13	S70 N10 699	NOTICE R290	1	1		
14	S70 N11 699	NOTICE (CHARGE PLUG)	1	1		
15	S70 E12 699	WIRING DIAGRAM WZ80	1	1		
16	S70 N12 699	BRAND LABEL (ECODAN)	1	1		
17	S70 E81 641	TOP PANEL	1			
17	S70 E82 641	TOP PANEL		1		
18	S70 E50 655	HANDLE (REAR)	1	1		
19	—	CABLE BRACKET ASSY	1	1		[JQ00C361G01]
20	—	PANEL HOOK ASSY	1	1		[SQ00L812G01]

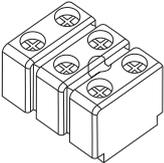
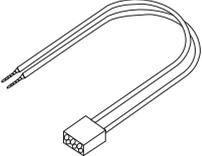
# 2

# OPTIONAL PARTS

## CONNECTOR FOR DRAIN HOSE SIGNAL OUTPUT

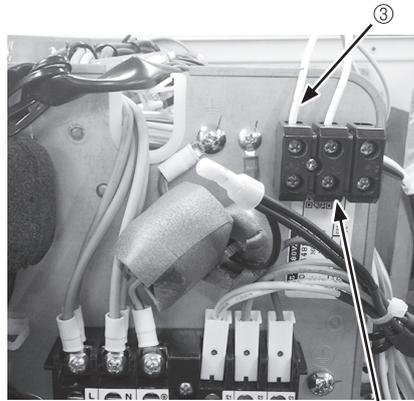
Parts No.	MAC-063RA-E
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### Contents

① Terminal block	×1
	
② Screw	×1
	
③ Lead wire with connector	×1
	

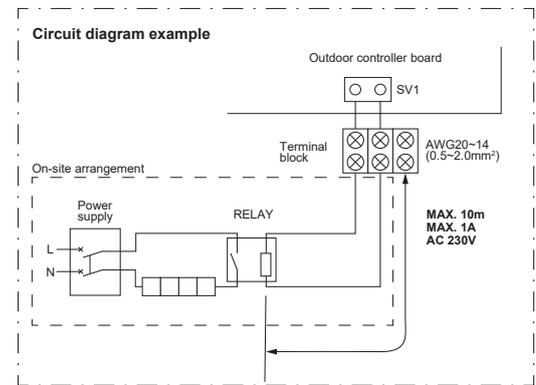
### Installation

#### • Single Phase model



1. Attach the terminal block ①, with the screw ②.
2. Connect the lead wire ③ connector side to SV1 port on the outdoor controller board.
3. Connect the lead wire ③ to the terminal block ①.
4. Wire local cables for a drain hose heater RELAY to the terminal block ①.

- Drain hose heater RELAY connection only
- MAX current 1A



## AIR DISCHARGE GUIDE

Parts No.	PAC-SH96SG-E
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## AIR PROTECTION GUIDE

Parts No.	PAC-SH95AG-E
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## ATTACHMENT (AIR DISCHARGE GUIDE/AIR PROTECTION GUIDE)

Parts No.	PAC-SJ82AT-E
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## DRAIN SOCKET

Parts No.	PAC-SG61DS-E
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## CENTRALIZED DRAIN PAN

Parts No.	PAC-SJ83DP-E
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# **mitsubishi electric corporation**

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

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Issued: Dec. 2023 No. OCB816A  
Published: Jun. 2023 No. OCB816  
Made in Japan

Specifications are subject to change without notice.