

PARTS CATALOG

R410A

[Model Name]

PUHZ-SHW80VHA

PUHZ-SHW112VHA

PUHZ-SHW112YHA

PUHZ-SHW140YHA

Salt proof model

PUHZ-SHW80VHA-BS

PUHZ-SHW112VHA-BS

PUHZ-SHW112YHA-BS

PUHZ-SHW140YHA-BS

[Service Ref.]

PUHZ-SHW80VHA

PUHZ-SHW80VHAR3.UK

PUHZ-SHW112VHA

PUHZ-SHW112VHAR3.UK

PUHZ-SHW112YHA

PUHZ-SHW112YHAR2.UK

PUHZ-SHW112YHAR4.UK

PUHZ-SHW140YHA

PUHZ-SHW140YHAR2.UK

PUHZ-SHW140YHAR4.UK

PUHZ-SHW80VHAR2-BS.UK

PUHZ-SHW80VHAR4-BS.UK

PUHZ-SHW112VHAR2-BS.UK

PUHZ-SHW112VHAR4-BS.UK

PUHZ-SHW112YHAR2-BS.UK

PUHZ-SHW112YHAR4-BS.UK

PUHZ-SHW140YHAR2-BS.UK

PUHZ-SHW140YHAR4-BS.UK

PUHZ-SHW80VHAR2.UK

PUHZ-SHW80VHAR4.UK

PUHZ-SHW112VHAR2.UK

PUHZ-SHW112VHAR4.UK

PUHZ-SHW112YHAR1

PUHZ-SHW112YHAR3.UK

PUHZ-SHW140YHAR1

PUHZ-SHW140YHAR3.UK

PUHZ-SHW140YHAR5.UK

PUHZ-SHW80VHAR3-BS.UK

PUHZ-SHW112VHAR3-BS.UK

PUHZ-SHW112YHAR3-BS.UK

PUHZ-SHW140YHAR3-BS.UK

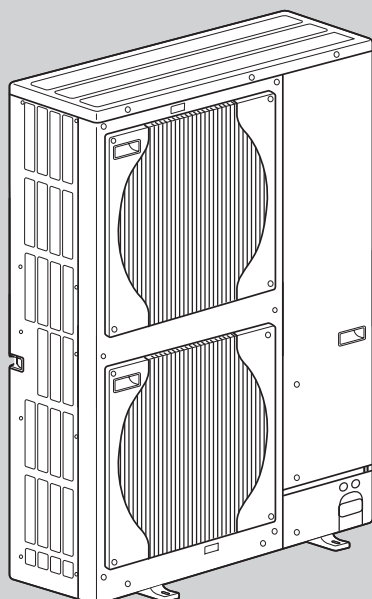
PUHZ-SHW140YHAR5-BS.UK

Revision:

- Some descriptions have been modified in REVISED EDITION-H.

OCB526

REVISED EDITION-G is void.


CONTENTS

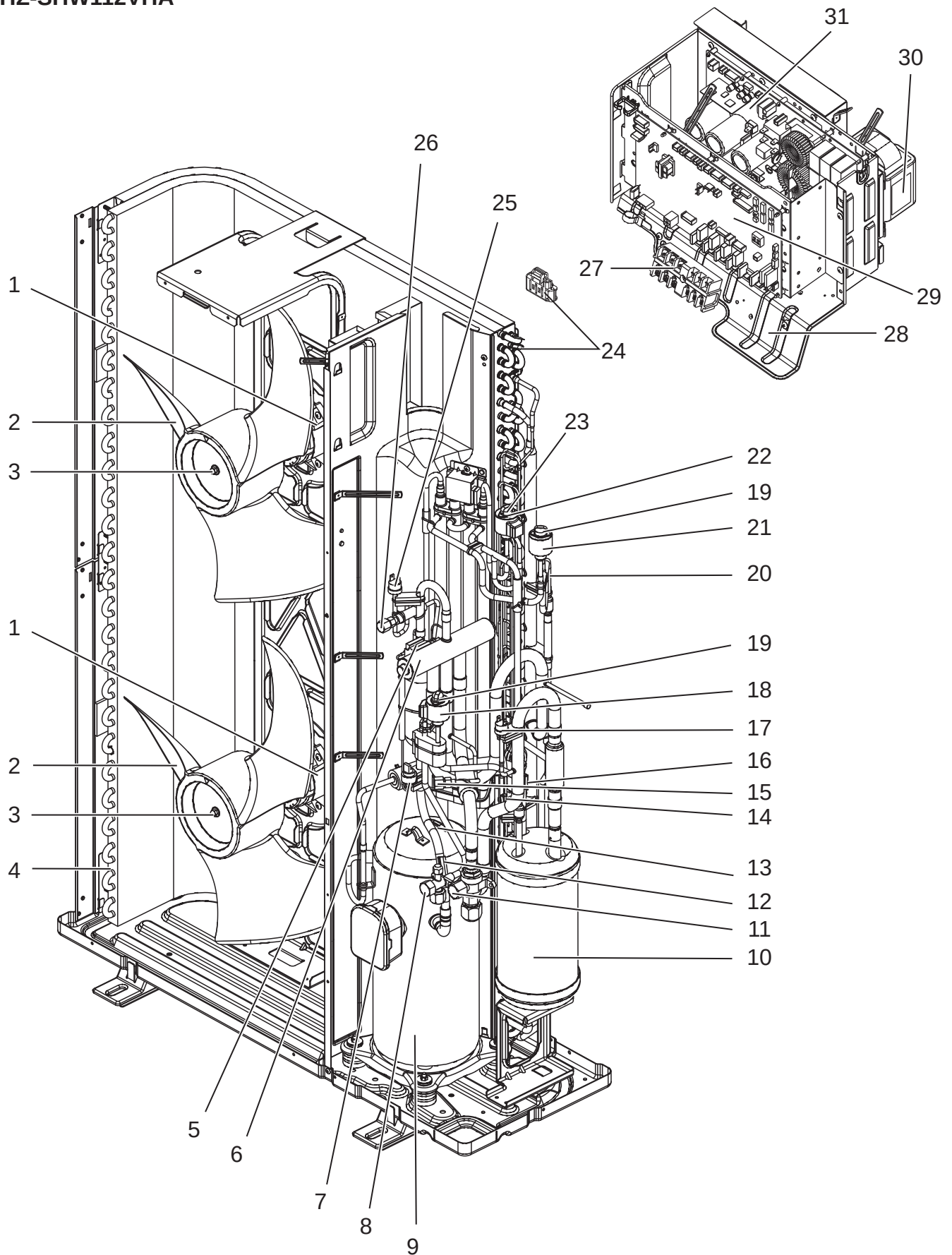
1. SERVICE PARTS LIST.....2
2. OPTIONAL PARTS.....24

SERVICE MANUAL (OCH526)
Mr. SLIM

FUNCTIONAL AND ELECTRICAL PARTS

PUHZ-SHW80VHA

PUHZ-SHW112VHA





Parts numbers that are circled are not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/unit		Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW·VHA			
				80	112		
1	R01 E50 221	FAN MOTOR		2	2		MF1,2
2	R01 E06 115	PROPELLER FAN		2	2		
3	R01 E09 097	NUT		2	2		
4	T7W E70 408	HEAT EXCHANGER		1	1		
5	T7W E41 242	SOLENOID COIL<4-WAY VALVE>		1	1		21S4
6	R01 E15 403	4-WAY VALVE		1	1		
7	R01 E07 208	HIGH PRESSURE SENSOR		1	1		63HS
8	R01 E13 410	STOP VALVE	3/8" (LIQUID)	1	1		
9	T97 422 077	COMPRESSOR	ANB33FJMMT	1	1	Including RUBBER MOUNTS	MC
10	R01 E60 440	POWER RECEIVER		1	1		
11	R01 E12 410	BALL VALVE	5/8" (GAS)	1	1		
12	R01 E22 201	THERMISTOR (DISCHARGE)		1	1		TH4
13	R01 H90 202	THERMISTOR (COMP. SURFACE)		1	1		TH34
14	R01 H00 202	THERMISTOR (LIQUID)		1	1		TH3
15	R01 E17 413	CHARGE PLUG		1	1		
16	R01 H32 202	THERMISTOR (SUCTION)		1	1		TH32
17	R01 E00 209	LOW PRESSURE SWITCH		1	1		63L
18	R01 H08 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:Red	LEV-B
19	T7W E27 401	LINEAR EXPANSION VALVE		2	2	for LEV-A,B	
20	R01 H79 202	THERMISTOR (REF.CHECK)		1	1		TH33
21	R01 H09 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:White	LEV-A
22	R01 H10 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:Blue	LEV-C
23	R01 H22 401	LINEAR EXPANSION VALVE		1	1	for LEV-C	
24	R01 E94 202	THERMISTOR (2-PHASE PIPE, AMBIENT)		1	1		TH6,7
25	R01 E06 208	HIGH PRESSURE SWITCH		1	1		63H
26	R01 E18 413	CHARGE PLUG		1	1		
27	T7W E61 716	TERMINAL BLOCK	6P (L,N,⊕,S1,S2,S3)	1	1		TB1
28	—	ELECTRICAL PARTS BOX		1	1	(BK00B055GA8)	
29	T7W F18 315	CONTROLLER CIRCUIT BOARD		1	1		C.B.
30	R01 E43 259	REACTOR		1	1		DCL
31	R01 A50 353	POWER CIRCUIT BOARD		1	1		P.B.
③②	R01 E14 239	FUSE	250V 6.3A	4	4		F1,2,3,4
③③	R01 E20 254	MAIN SMOOTHING CAPACITOR		1	1		CB

FUNCTIONAL AND ELECTRICAL PARTS

PUHZ-SHW80VHAR2.UK

PUHZ-SHW80VHAR3.UK

PUHZ-SHW80VHAR2-BS.UK

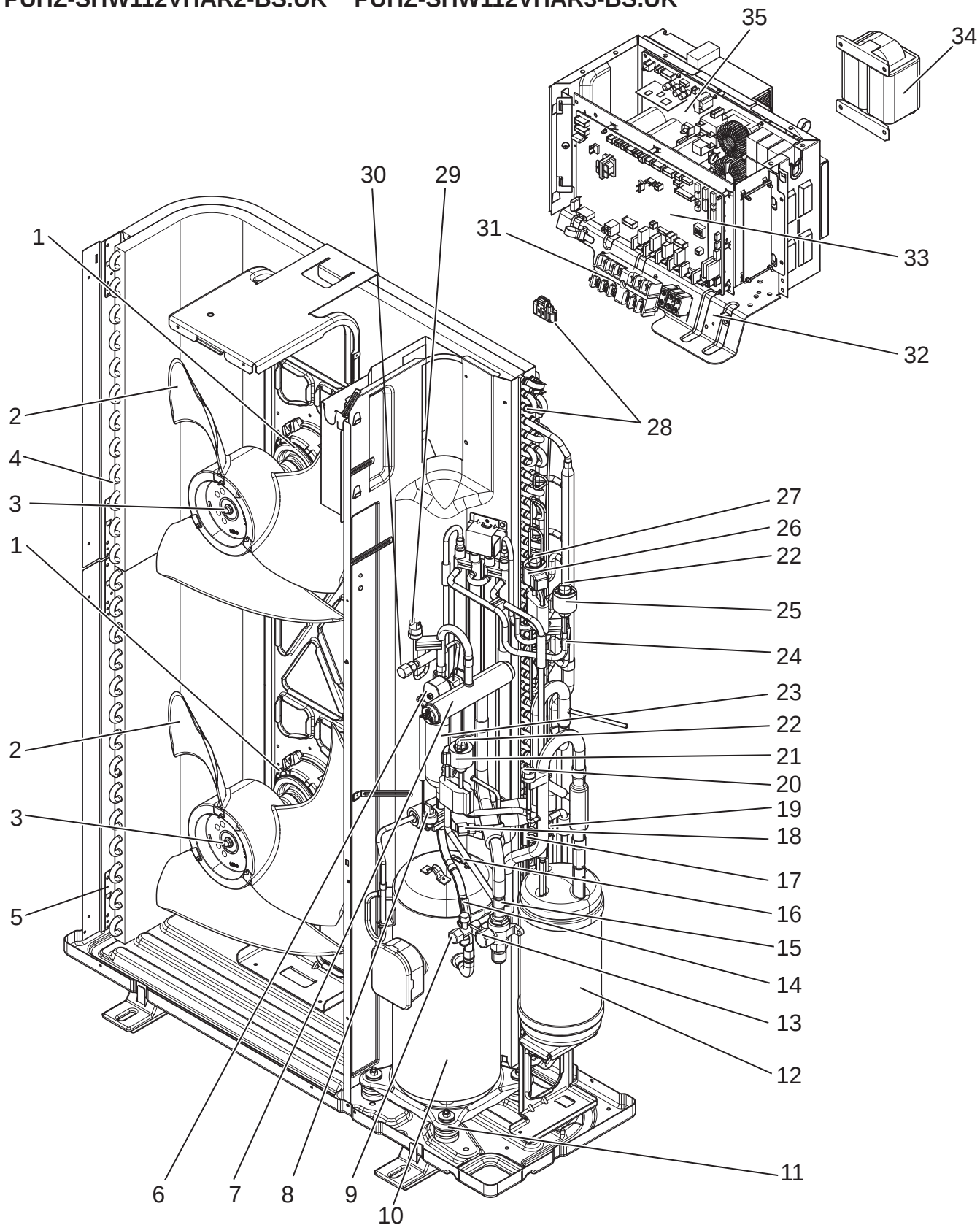
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PUHZ-SHW112VHAR2.UK

PUHZ-SHW112VHAR3.UK

PUHZ-SHW112VHAR2-BS.UK

PUHZ-SHW112VHAR3-BS.UK



Parts number that is circled is not shown in the figure.

No	Part No.	Part Name	Specification	Q'ty/unit								Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW80VHAR2.UK	PUHZ-SHW80VHAR2-BS.UK	PUHZ-SHW112VHAR2.UK	PUHZ-SHW112VHAR2-BS.UK	PUHZ-SHW80VHAR3.UK	PUHZ-SHW80VHAR3-BS.UK	PUHZ-SHW112VHAR3.UK	PUHZ-SHW112VHAR3-BS.UK		
1	S70 E30 763	FAN MOTOR		2	2	2	2	2	2	2	2		MF1,2
2	S70 E30 115	PROPELLER FAN		2	2	2	2	2	2	2	2		
3	S70 K01 097	NUT		2	2	2	2	2	2	2	2		
4	S70 E55 408	HEAT EXCHANGER (TOP)		1	1	1	1	1	1	1	1		
5	S70 E95 408	HEAT EXCHANGER (UNDER)		1	1	1	1	1	1	1	1		
6	S70 E06 242	SOLENOID COIL <4WAY COIL>		1	1	1	1	1	1	1	1		21S4
7	S70 E05 403	REVERSING VALVE (4-WAY VALVE)		1	1	1	1	1	1	1	1		
8	S70 E11 208H	HIGH PRESSURE SENSOR		1	1	1	1	1	1	1	1		63HS
9	S70 600 418	STOP VALVE (LIQUID)	3/8"	1	1	1	1	1	1	1	1		
10	S70 E50 400	COMPRESSOR	ANB33FJRMT	1	1	1	1	1	1	1	1		MC
11	S70 E02 004	RUBBER MOUNT		4	4	4	4	4	4	4	4		
12	S70 E75 440H	POWER RECEIVER(ACCUMULATOR)		1	1	1	1	1	1	1	1		
13	S70 E06 411	BALL VALVE (GAS)	5/8"	1	1	1	1	1	1	1	1		
14	S70 E61 202	THERMISTOR (DISCHARGE)	D8	1	1	1	1	1	1	1	1		TH4
15	S70 36L 450	STRAINER	#50	1	1	1	1	1	1	1	1		
16	S70 E53 202	THERMISTOR (COMP.SURFACE)		1	1	1	1	1	1	1	1		TH34
17	S70 E58 202	THERMISTOR-H (LIQUID)	1050 XAP	1	1	1	1	1	1	1	1		TH3
18	S70 E02 413	CHARGE PLUG		1	1	1	1	1	1	1	1		
19	S70 E65 202	THERMISTOR (SUCTION)	2/G1150XA	1	1	1	1	1	1	1	1		TH32
20	S70 H20 209	LOW PRESSURE SWITCH		1	1	1	1	1	1	1	1		63L
21	S70 E87 402	LINEAR EXPANSION VALVE COIL	UKV-A211	1	1	1	1	1	1	1	1	Connector: Red	LEV-B
22	S70 E92 401	LINEAR EXPANSION VALVE	UKV-32D135	2	2	2	2	2	2	2	2	FOR LEV-A, B	
23	S70 42H 467	MUFFLER		1	1	1	1	1	1	1	1		
24	S70 E63 202	THERMISTOR	1000-3P	1	1	1	1	1	1	1	1		TH33
25	S70 E88 402	LINEAR EXPANSION VALVE COIL	UKV-A212	1	1	1	1	1	1	1	1	Connector: White	LEV-A
26	S70 E99 402	LINEAR EXPANSION VALVE COIL	UKV	1	1	1	1	1	1	1	1	Connector: Blue	LEV-C
27	S70 E80 401	EXPANSION VALVE	UKV-18D35	1	1	1	1	1	1	1	1	FOR LEV-C	
28	S70 E31 202	THERMISTOR-W (OUTDOOR, 2-PHASE PIPE, AMBIENT)	850/1050	1	1	1	1	1	1	1	1		TH6,7
29	S70 E10 208H	HIGH PRESSURE SWITCH	OFF 4.14MPa	1	1	1	1	1	1	1	1		63H
30	S70 E03 413	CHARGE PLUG		1	1	1	1	1	1	1	1		
31	S70 C20 515	TERMINAL BLOCK	6P (L,N,0,S1,S2,S3)	1	1	1	1	1	1	1	1		TB1
32	S70 R84 316	COMPLETE CONTROL BOX ASSY		1	1			1	1				
	S70 R81 316	COMPLETE CONTROL BOX ASSY				1	1			1	1		
33	S70 E70 315	CONTROLLER BOARD		1	1	1	1						C.B
	S70 E75 315	CONTROLLER BOARD						1	1	1	1		C.B
34	S70 K04 259	REACTOR (DCL)		1	1	1	1	1	1	1	1		DCL
35	S70 E30 313	POWER BOARD		1	1	1	1	1	1	1	1		P.B
36	S70 E05 255	MAIN SMOOTHING CAPACITOR		1	1	1	1	1	1	1	1		CB

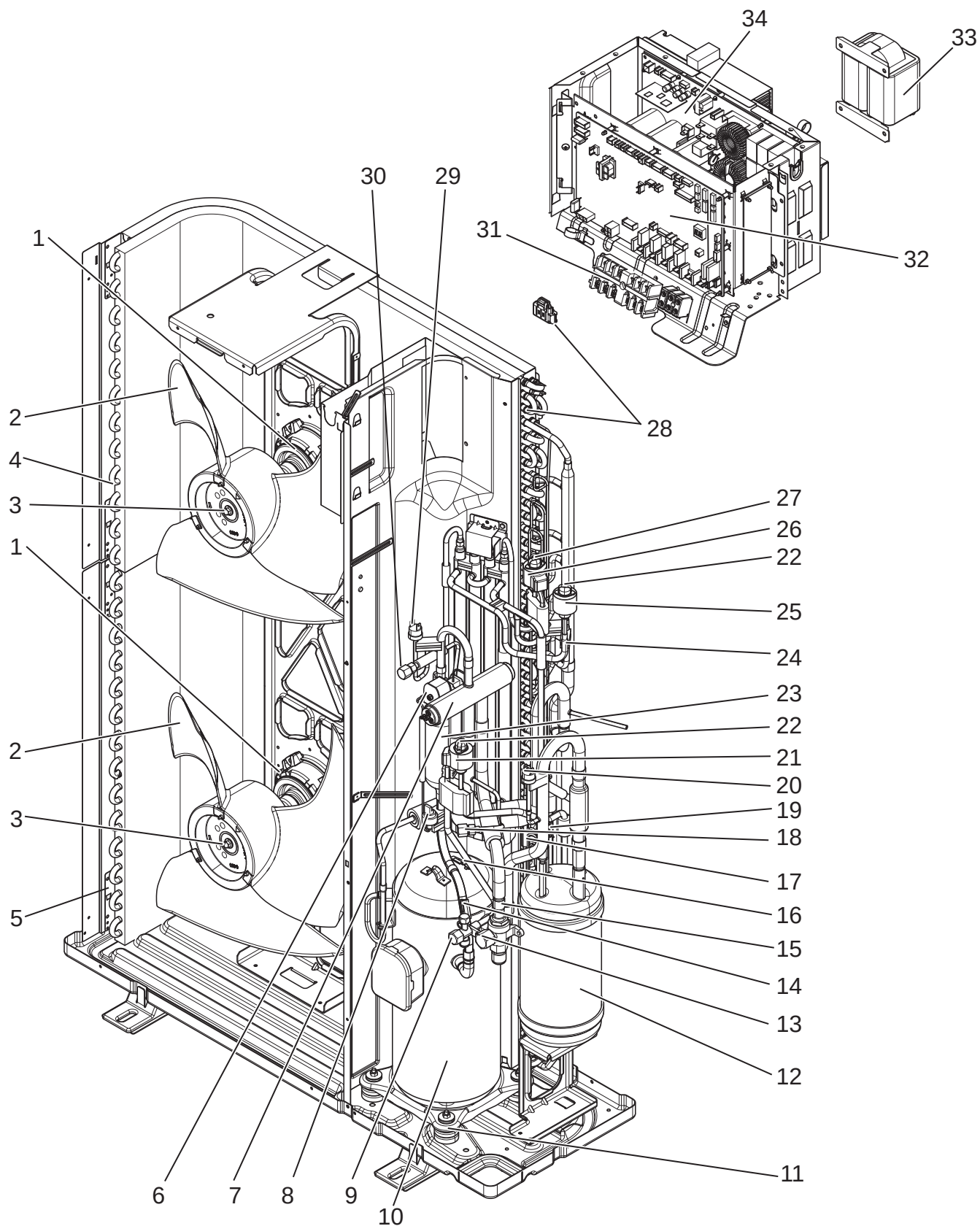
FUNCTIONAL AND ELECTRICAL PARTS

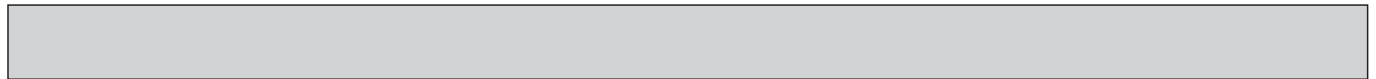
PUHZ-SHW80VHAR4.UK

PUHZ-SHW112VHAR4.UK

PUHZ-SHW80VHAR4-BS.UK

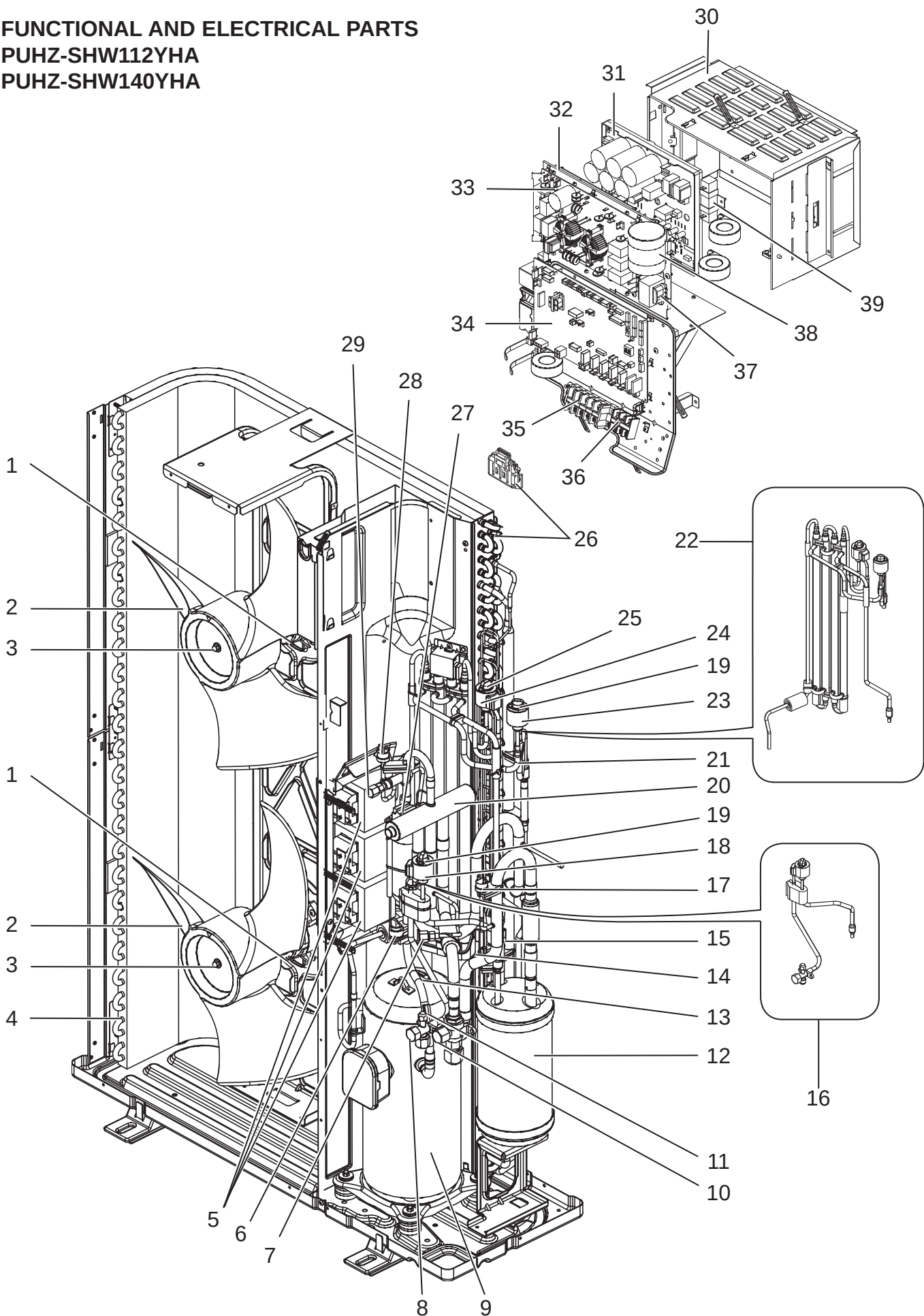
PUHZ-SHW112VHAR4-BS.UK





No	Part No.	Part Name	Specification	Q'ty/unit				Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW80VHAR4.UK	PUHZ-SHW80VHAR4-BS.UK	PUHZ-SHW112VHAR4.UK	PUHZ-SHW112VHAR4-BS.UK		
1	S 70 E 35 7 6 3	FAN MOTOR		2	2	2	2		MF1,2
2	S 70 E 30 1 1 5	PROPELLER FAN		2	2	2	2		
3	S 70 K 01 0 9 7	NUT		2	2	2	2		
4	S 70 E 55 4 0 8	HEAT EXCHANGER (TOP)		1	1	1	1		
5	S 70 E 95 4 0 8	HEAT EXCHANGER (UNDER)		1	1	1	1		
6	S 70 E 06 2 4 2	SOLENOID COIL <4WAY COIL>		1	1	1	1		21S4
7	S 70 E 05 4 0 3	REVERSING VALVE (4-WAY VALVE)		1	1	1	1		
8	S 70 E 11 2 0 8 H	HIGH PRESSURE SENSOR		1	1	1	1		63HS
9	S 70 6 0 0 4 1 8	STOP VALVE (LIQUID)	3/8"	1	1	1	1		
10	S 70 E 50 4 0 0	COMPRESSOR	ANB33FJRMT	1	1	1	1		MC
11	S 70 E 02 0 0 4	RUBBER MOUNT		4	4	4	4		
12	S 70 E 75 4 4 0 H	POWER RECEIVER (ACCUMULATOR)		1	1	1	1		
13	S 70 E 06 4 1 1	BALL VALVE (GAS)	5/8"	1	1	1	1		
14	S 70 E 61 2 0 2	THERMISTOR (DISCHARGE)	D8	1	1	1	1		TH4
15	S 70 3 6 L 4 5 0	STRAINER	#50	1	1	1	1		
16	S 70 E 53 2 0 2	THERMISTOR (COMP. SURFACE)		1	1	1	1		TH34
17	S 70 E 58 2 0 2	THERMISTOR-H (LIQUID)	1050 XAP	1	1	1	1		TH3
18	S 70 E 02 4 1 3	CHARGE PLUG		1	1	1	1		
19	S 70 E 65 2 0 2	THERMISTOR (SUCTION)	2/G1150XA	1	1	1	1		TH32
20	S 70 H 20 2 0 9	LOW PRESSURE SWITCH		1	1	1	1		63L
21	S 70 E 87 4 0 2	LINEAR EXPANSION VALVE COIL	UKV-A211	1	1	1	1	Connector: Red	LEV-B
22	S 70 E 92 4 0 1	LINEAR EXPANSION VALVE	UKV-32D135	2	2	2	2	FOR LEV-A, B	
23	S 70 4 2 H 4 6 7	MUFFLER		1	1	1	1		
24	S 70 E 63 2 0 2	THERMISTOR	1000-3P	1	1	1	1		TH33
25	S 70 E 88 4 0 2	LINEAR EXPANSION VALVE COIL	UKV-A212	1	1	1	1	Connector: White	LEV-A
26	S 70 E 99 4 0 2	LINEAR EXPANSION VALVE COIL	UKV	1	1	1	1	Connector: Blue	LEV-C
27	S 70 E 80 4 0 1	EXPANSION VALVE	UKV-18D35	1	1	1	1	FOR LEV-C	
28	S 70 E 31 2 0 2	THERMISTOR-W (OUTDOOR, 2-PHASE PIPE, AMBIENT)	850/1050	1	1	1	1		TH6,7
29	S 70 E 10 2 0 8 H	HIGH PRESSURE SWITCH	OFF 4.14MPa	1	1	1	1		63H
30	S 70 E 03 4 1 3	CHARGE PLUG		1	1	1	1		
31	S 70 C 20 5 1 5	TERMINAL BLOCK	6P (L,N,⊕,S1,S2,S3)	1	1	1	1		TB1
32	S 70 E 56 3 1 5 H	CONTROLLER BOARD		1	1	1	1		C.B
33	S 70 K 04 2 5 9	REACTOR (DCL)		1	1	1	1		DCL
34	S 70 E 31 3 1 3	POWER BOARD		1	1	1	1		P.B

FUNCTIONAL AND ELECTRICAL PARTS
PUHZ-SHW112YHA
PUHZ-SHW140YHA

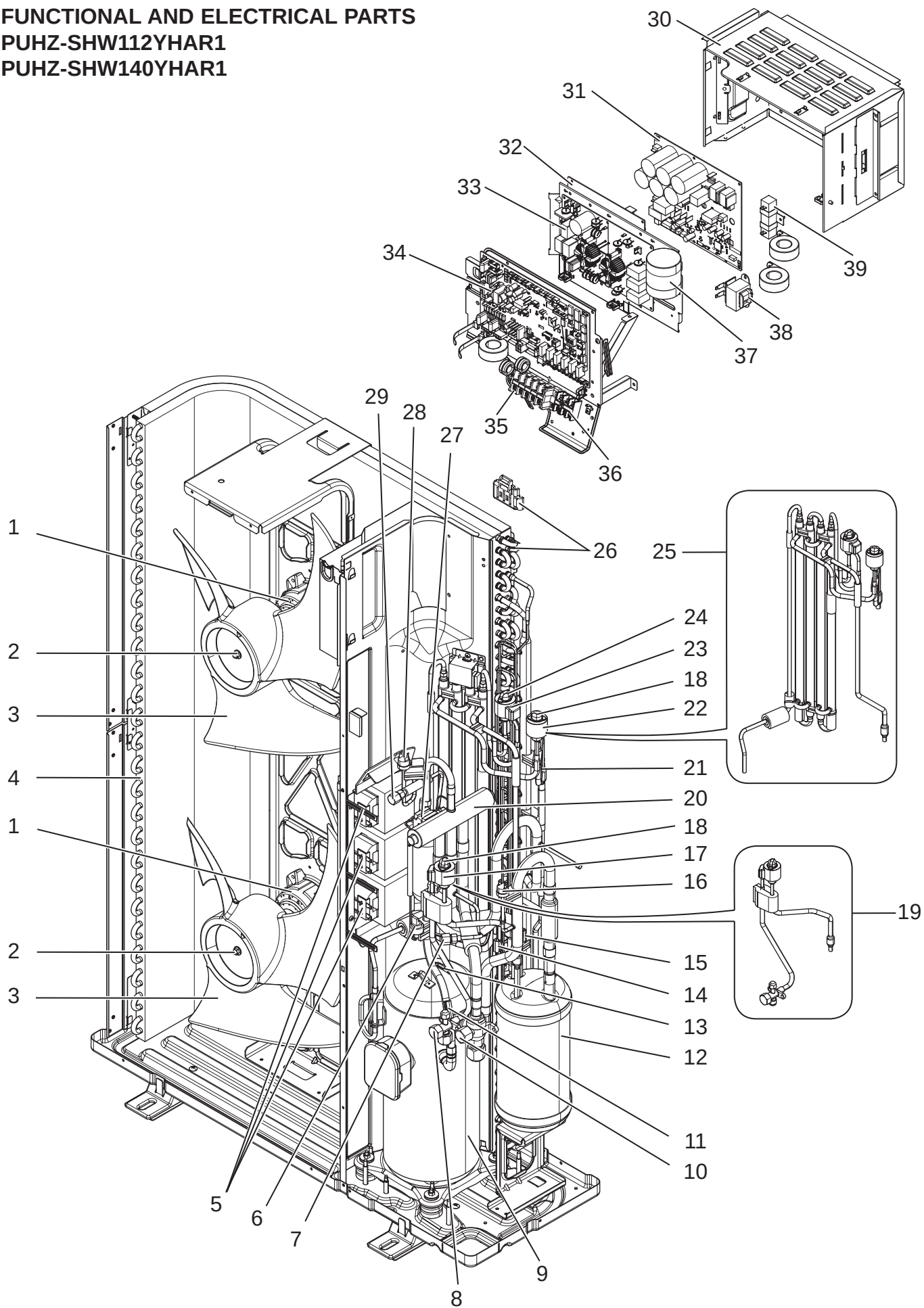




Parts numbers that are circled are not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/unit		Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW-YHA			
				112	140		
1	R01 E50 221	FAN MOTOR		2	2		MF1,2
2	R01 E06 115	PROPELLER FAN		2	2		
3	R01 E09 097	NUT		2	2		
4	T7W E70 408	HEAT EXCHANGER		1	1		
5	T7W E12 259	REACTOR		3	3		ACL1,2,3
6	R01 E07 208	HIGH PRESSURE SENSOR		1	1		63HS
7	R01 E17 413	CHARGE PLUG		1	1		
8	R01 E13 410	STOP VALVE	3/8" (LIQUID)	1	1		
9	T97 421 077	COMPRESSOR	ANB33FJLMT	1	1	Including RUBBER MOUNTS	MC
10	R01 E12 410	BALL VALVE	5/8" (GAS)	1	1		
11	R01 E22 201	THERMISTOR (DISCHARGE)		1	1		TH4
12	R01 E60 440	POWER RECEIVER		1	1		
13	R01 H90 202	THERMISTOR (COMP. SURFACE)		1	1		TH34
14	R01 H00 202	THERMISTOR (LIQUID)		1	1		TH3
15	R01 H17 202	THERMISTOR (SUCTION)		1	1		TH32
16	T7W E38 401	LEV ASSY		1	1	Including coil for LEV-B & STV	
17	R01 E00 209	LOW PRESSURE SWITCH		1	1		63L
18	R01 H08 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:Red	LEV-B
19	T7W E27 401	LINEAR EXPANSION VALVE		2	2	for LEV-A,B	
20	R01 E15 403	4-WAY VALVE		1	1		
21	R01 H79 202	THERMISTOR (REF. CHECK)		1	1		TH33
22	T7W E39 401	LEV ASSY HIC		1	1	Including coil for LEV-A,C	
23	R01 H09 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:White	LEV-A
24	R01 H10 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:Blue	LEV-C
25	R01 H22 401	LINEAR EXPANSION VALVE		1	1	for LEV-C	
26	R01 H01 202	THERMISTOR (2-PHASE PIPE, AMBIENT)		1	1		TH6,7
27	T7W E39 242	SOLENOID COIL <4-WAY VALVE>		1	1		21S4
28	R01 E06 208	HIGH PRESSURE SWITCH		1	1		63H
29	R01 E18 413	CHARGE PLUG		1	1		
30	—	ELECTRICAL PARTS BOX		1	1	(BK00C410G17)	
31	T7W A10 323	POWER CIRCUIT BOARD		1	1		P.B.
32	T7W E75 310	CONVERTER CIRCUIT BOARD		1	1		CONV.B.
33	T7W E28 346	NOISE FILTER CIRCUIT BOARD		1	1		N.F.
34	T7W F19 315	CONTROLLER CIRCUIT BOARD		1	1		C.B.
35	T7W E30 716	TERMINAL BLOCK	5P (L1,L2,L3,N,Ⓢ)	1	1		TB1
36	R01 E19 246	TERMINAL BLOCK	3P (S1,S2,S3)	1	1		TB2
37	R01 E31 259	REACTOR		1	1		ACL4
38	T7W E10 254	CAPACITOR		1	1		CK
39	R01 E10 233	RESISTOR		1	1		RS
40	R01 E14 239	FUSE	250V 6.3A	4	4		F1,2,3,4
41	R01 E14 510	LEAD ASSY COMP		1	1		
42	R01 H93 202	THERMISTOR (HEAT SINK)		1	1		TH8

FUNCTIONAL AND ELECTRICAL PARTS
PUHZ-SHW112YHAR1
PUHZ-SHW140YHAR1





Parts numbers that are circled are not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/unit		Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW·YHAR1			
				112	140		
1	R01 E50 221	FAN MOTOR		2	2		MF1,2
2	R01 E09 097	NUT		2	2		
3	R01 E06 115	PROPELLER FAN		2	2		
4	T7W E70 408	HEAT EXCHANGER		1	1		
5	T7W E12 259	REACTOR		3	3		ACL1,2,3
6	R01 E07 208	HIGH PRESSURE SENSOR		1	1		63HS
7	R01 E17 413	CHARGE PLUG		1	1		
8	R01 E13 410	STOP VALVE	3/8" (LIQUID)	1	1		
9	T97 421 077	COMPRESSOR	ANB33FJLMT	1	1	Including RUBBER MOUNTS	MC
10	R01 E12 410	BALL VALVE	5/8" (GAS)	1	1		
11	R01 E22 201	THERMISTOR (DISCHARGE)		1	1		TH4
12	R01 E60 440	POWER RECEIVER		1	1		
13	R01 H90 202	THERMISTOR (COMP. SURFACE)		1	1		TH34
14	R01 H00 202	THERMISTOR (LIQUID)		1	1		TH3
15	R01 H17 202	THERMISTOR (SUCTION)		1	1		TH32
16	R01 E00 209	LOW PRESSURE SWITCH		1	1		63L
17	R01 H08 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:Red	LEV-B
18	T7W E27 401	LINEAR EXPANSION VALVE		2	2	for LEV-A,B	
19	T7W E38 401	LEV ASSY		1	1	Including coil for LEV-B & STV	
20	R01 E15 403	4-WAY VALVE		1	1		
21	R01 H79 202	THERMISTOR (REF. CHECK)		1	1		TH33
22	R01 H09 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:White	LEV-A
23	R01 H10 242	LINEAR EXPANSION VALVE COIL		1	1	Connector:Blue	LEV-C
24	R01 H22 401	LINEAR EXPANSION VALVE		1	1	for LEV-C	
25	T7W E39 401	LEV ASSY HIC		1	1	Including coil for LEV-A,C	
26	R01 H01 202	THERMISTOR (2-PHASE PIPE,AMBIENT)		1	1		TH6,7
27	T7W E39 242	SOLENOID COIL <4-WAY VALVE>		1	1		21S4
28	R01 E06 208	HIGH PRESSURE SWITCH		1	1		63H
29	R01 E18 413	CHARGE PLUG		1	1		
30	—	ELECTRICAL PARTS BOX		1	1	(BK00C410G17)	
31	T7W A20 323	POWER CIRCUIT BOARD		1	1		P.B.
32	T7W E75 310	CONVERTER CIRCUIT BOARD		1	1		CONV.B.
33	T7W E28 346	NOISE FILTER CIRCUIT BOARD		1	1		N.F.
34	T7W F19 315	CONTROLLER CIRCUIT BOARD		1	1		C.B.
35	T7W E30 716	TERMINAL BLOCK	5P (L1,L2,L3,N,⊙)	1	1		TB1
36	R01 E19 246	TERMINAL BLOCK	3P (S1,S2,S3)	1	1		TB2
37	T7W E10 254	CAPACITOR		1	1		CK
38	R01 E31 259	REACTOR		1	1		ACL4
39	R01 E10 233	RESISTOR		1	1		RS
④0	R01 E14 510	LEAD ASSY COMP		1	1		
④1	R01 E14 239	FUSE	250V 6.3A	4	4		F1,2,3,4
④2	R01 H93 202	THERMISTOR (HEAT SINK)		1	1		TH8

FUNCTIONAL AND ELECTRICAL PARTS

PUHZ-SHW112YHAR2.UK

PUHZ-SHW112YHAR2-BS.UK

PUHZ-SHW140YHAR2.UK

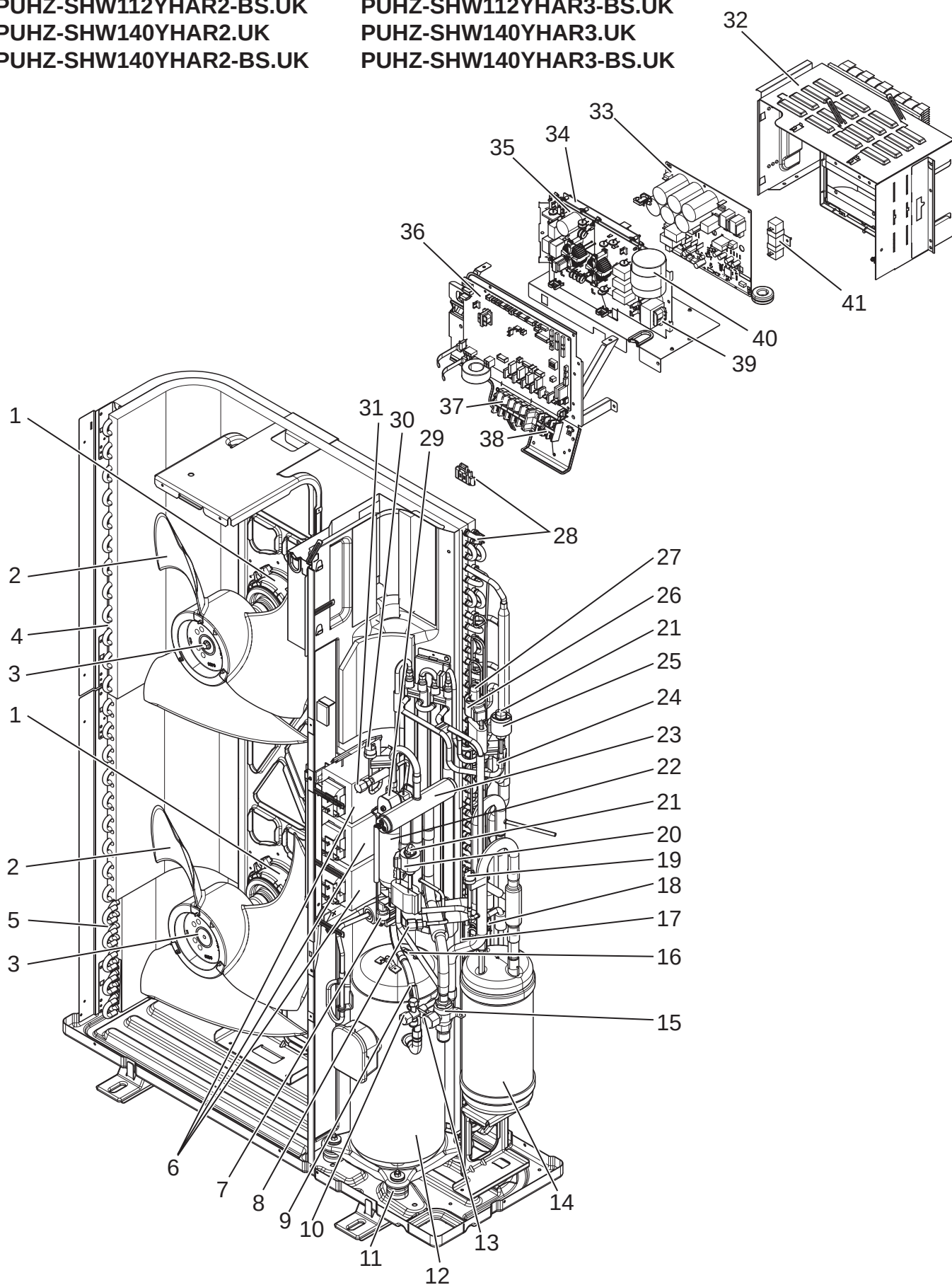
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PUHZ-SHW112YHAR3.UK

PUHZ-SHW112YHAR3-BS.UK

PUHZ-SHW140YHAR3.UK

PUHZ-SHW140YHAR3-BS.UK



Parts number that is circled is not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/unit								Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW112YHAR2.UK	PUHZ-SHW112YHAR2-BS.UK	PUHZ-SHW140YHAR2.UK	PUHZ-SHW140YHAR2-BS.UK	PUHZ-SHW112YHAR3.UK	PUHZ-SHW112YHAR3-BS.UK	PUHZ-SHW140YHAR3.UK	PUHZ-SHW140YHAR3-BS.UK		
1	S 70 E 30 7 63	FAN MOTOR		2	2	2	2	2	2	2	2		MF1,2
2	S 70 E 30 115	PROPELLER FAN		2	2	2	2	2	2	2	2		
3	S 70 K 01 097	NUT		2	2	2	2	2	2	2	2		
4	S 70 E 55 408	HEAT EXCHANGER (TOP)		1	1	1	1	1	1	1	1		
5	S 70 E 95 408	HEAT EXCHANGER (UNDER)		1	1	1	1	1	1	1	1		
6	S 70 K 80 259	REACTOR		3	3	3	3	3	3	3	3		ACL1,2,3
7	S 70 E 11 208H	HIGH PRESSURE SENSOR		1	1	1	1	1	1	1	1		63HS
8	S 70 E 02 413	CHARGE PLUG		1	1	1	1	1	1	1	1		
9	S 70 E 62 202	THERMISTOR (DISCHARGE)	D8	1	1	1	1	1	1	1	1		TH4
10	S 70 600 418	STOP VALVE (LIQUID)	3/8"	1	1	1	1	1	1	1	1		
11	S 70 E 02 004	RUBBER MOUNT		4	4	4	4	4	4	4	4		
12	S 70 E 60 400	COMPRESSOR	ANB33FJQMT	1	1	1	1	1	1	1	1		MC
13	S 70 E 06 411	BALL VALVE (GAS)	5/8"	1	1	1	1	1	1	1	1		
14	S 70 E 75 440H	POWER RECEIVER (ACCUMULATOR)		1	1	1	1	1	1	1	1		
15	S 70 36L 450	STRAINER	#50	1	1	1	1	1	1	1	1		
16	S 70 E 54 202	THERMISTOR (COMP.SURFACE)		1	1	1	1	1	1	1	1		TH34
17	S 70 E 37 202	THERMISTOR-H(LIQUID)	1150 XA	1	1	1	1	1	1	1	1		TH3
18	S 70 E 66 202	THERMISTOR(SUCTION)	2/G950XA	1	1	1	1	1	1	1	1		TH32
19	S 70 H 20 209	LOW PRESSURE SWITCH		1	1	1	1	1	1	1	1		63L
20	S 70 E 87 402	LINEAR EXPANSION VALVE COIL	UKV-A211	1	1	1	1	1	1	1	1	Connector: Red	LEV-B
21	S 70 E 92 401	LINEAR EXPANSION VALVE	UKV-32D135	2	2	2	2	2	2	2	2	FOR LEV-A,B	
22	S 70 42H 467	MUFFLER		1	1	1	1	1	1	1	1		
23	S 70 E 05 403	REVERSING VALVE (4-WAY VALVE)		1	1	1	1	1	1	1	1		
24	S 70 E 64 202	THERMISTOR	900-3P	1	1	1	1	1	1	1	1		TH33
25	S 70 E 88 402	LINEAR EXPANSION VALVE COIL	UKV-A212	1	1	1	1	1	1	1	1	Connector: White	LEV-A
26	S 70 E 99 402	LINEAR EXPANSION VALVE COIL	UKV	1	1	1	1	1	1	1	1	Connector: Blue	LEV-C
27	S 70 E 80 401	EXPANSION VALVE	UKV-18D35	1	1	1	1	1	1	1	1	FOR LEV-C	
28	S 70 E 60 202	THERMISTOR-W (OUTDOOR,2-PHASE PIPE, AMBIENT)		1	1	1	1	1	1	1	1		TH6,7
29	S 70 E 08 242	SOLENOID COIL <4WAY COIL>		1	1	1	1	1	1	1	1		21S4
30	S 70 E 10 208H	HIGH PRESSURE SWITCH	OFF 4.14MPa	1	1	1	1	1	1	1	1		63H
31	S 70 E 03 413	CHARGE PLUG		1	1	1	1	1	1	1	1		
32	S 70 R 82 316	COMPLETE CONTROL BOX ASSY		1	1			1	1				
	S 70 R 83 316	COMPLETE CONTROL BOX ASSY				1	1			1	1		
33	S 70 E 90 313	POWER BOARD		1	1	1	1	1	1	1	1		P.B
34	S 70 E 15 313	CONVERTOR BOARD		1	1	1	1	1	1	1	1		CONV.B
35	S 70 E 50 346	NOISE FILTER BOARD		1	1	1	1	1	1	1	1		N.F
36	S 70 E 80 315	CONTROLLER BOARD		1	1	1	1						C.B
	S 70 E 85 315	CONTROLLER BOARD						1	1	1	1		C.B
37	S 70 E 09 716	TERMINAL BED	5P (L1, L2, L3,N, E)	1	1	1	1	1	1	1	1		TB1
38	S 70 E 08 716	TERMINAL BED	3P (S1, S2, S3)	1	1	1	1	1	1	1	1		TB2
39	S 70 K 90 259	REACTOR		1	1	1	1	1	1	1	1		ACL4
40	S 70 E 71 255	CAPACITOR		1	1	1	1	1	1	1	1		CK
41	S 70 E 20 234	RESISTOR		1	1	1	1	1	1	1	1		RS
42	S 70 E 55 202	THERMISTOR (HEAT SINK)		1	1	1	1	1	1	1	1		TH8

FUNCTIONAL AND ELECTRICAL PARTS

PUHZ-SHW112YHAR4.UK

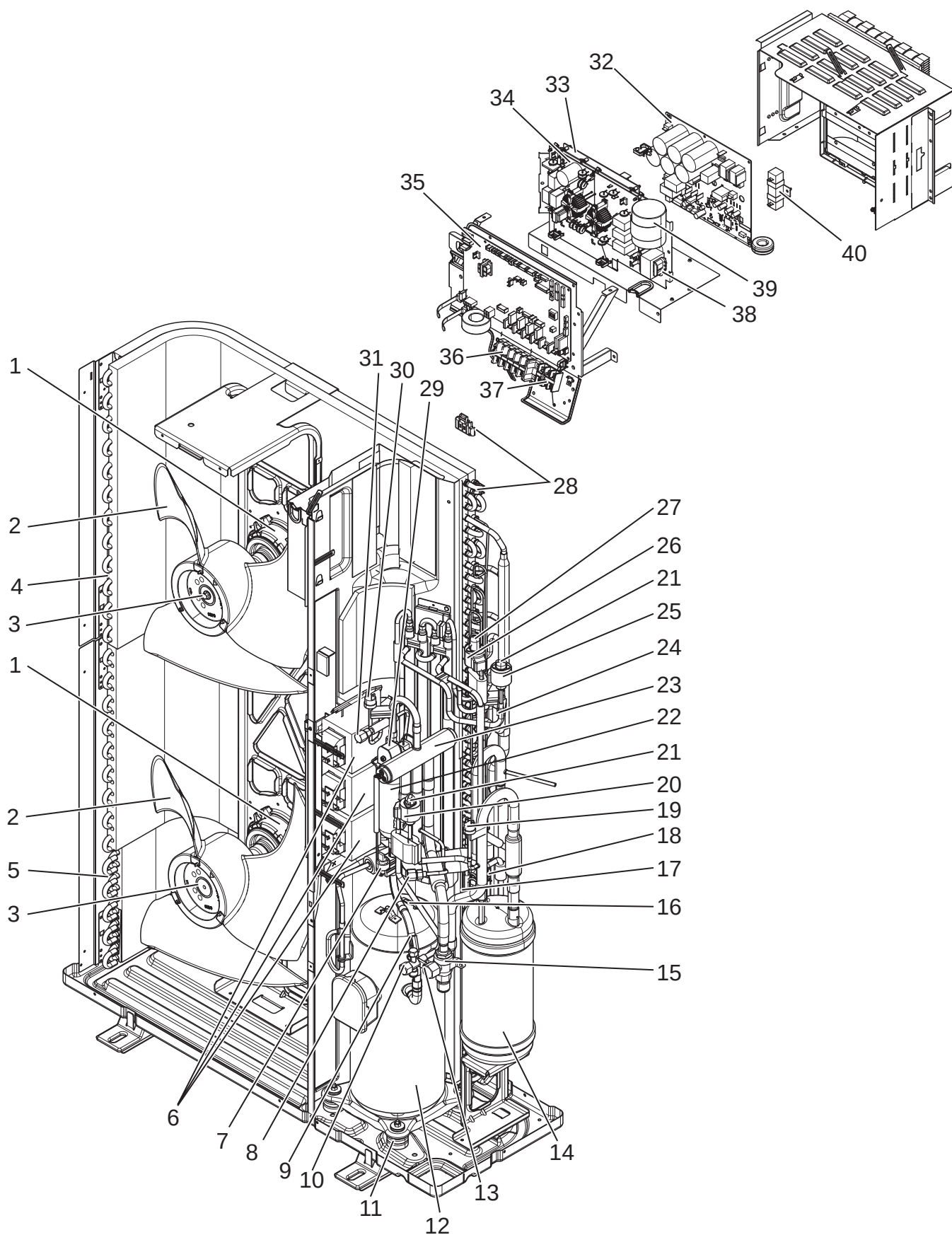
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PUHZ-SHW140YHAR5.UK

PUHZ-SHW112YHAR4-BS.UK

PUHZ-SHW140YHAR4-BS.UK

PUHZ-SHW140YHAR5-BS.UK



Parts number that is circled is not shown in the figure.

No.	Part No.	Part Name	Specification	Q'ty/unit						Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW112YHAR4.UK	PUHZ-SHW112YHAR4.BS.UK	PUHZ-SHW140YHAR4.UK	PUHZ-SHW140YHAR4.BS.UK	PUHZ-SHW140YHAR5.UK	PUHZ-SHW140YHAR5.BS.UK		
1	S70 E35 763	FAN MOTOR		2	2	2	2	2	2		MF1,2
2	S70 E30 115	PROPELLER FAN		2	2	2	2	2	2		
3	S70 K01 097	NUT		2	2	2	2	2	2		
4	S70 E55 408	HEAT EXCHANGER (TOP)		1	1	1	1	1	1		
5	S70 E95 408	HEAT EXCHANGER (UNDER)		1	1	1	1	1	1		
6	S70 K80 259	REACTOR		3	3	3	3	3	3		ACL1,2,3
7	S70 E11 208H	HIGH PRESSURE SENSOR		1	1	1	1	1	1		63HS
8	S70 E02 413	CHARGE PLUG		1	1	1	1	1	1		
9	S70 E62 202	THERMISTOR (DISCHARGE)	D8	1	1	1	1	1	1		TH4
10	S70 600 418	STOP VALVE (LIQUID)	3/8"	1	1	1	1	1	1		
11	S70 E02 004	RUBBER MOUNT		4	4	4	4	4	4		
12	S70 E60 400	COMPRESSOR	ANB33FJQMT	1	1	1	1	1	1		MC
13	S70 E06 411	BALL VALVE (GAS)	5/8"	1	1	1	1	1	1		
14	S70 E75 440H	POWER RECEIVER (ACCUMULATOR)		1	1	1	1	1	1		
15	S70 36L 450	STRAINER	#50	1	1	1	1	1	1		
16	S70 E54 202	THERMISTOR (COMP.SURFACE)		1	1	1	1	1	1		TH34
17	S70 E37 202	THERMISTOR-H (LIQUID)	1150 XA	1	1	1	1	1	1		TH3
18	S70 E66 202	THERMISTOR (SUCTION)	2/G950XA	1	1	1	1	1	1		TH32
19	S70 H20 209	LOW PRESSURE SWITCH		1	1	1	1	1	1		63L
20	S70 E87 402	LINEAR EXPANSION VALVE COIL	UKV-A211	1	1	1	1	1	1	Connector: Red	LEV-B
21	S70 E92 401	LINEAR EXPANSION VALVE	UKV-32D135	2	2	2	2	2	2	FOR LEV-A,B/A,C	
22	S70 42H 467	MUFFLER		1	1	1	1	1	1		
23	S70 E05 403	REVERSING VALVE (4-WAY VALVE)		1	1	1	1	1	1		
24	S70 E63 202	THERMISTOR	1000-3P	1	1	1	1	1	1		TH33
25	S70 E88 402	LINEAR EXPANSION VALVE COIL	UKV-A212	1	1	1	1	1	1	Connector: White	LEV-A
26	S70 E99 402	LINEAR EXPANSION VALVE COIL	UKV	1	1	1	1	1	1	Connector: Blue	LEV-C
27	S70 E80 401	EXPANSION VALVE	UKV-18D35	1	1	1	1	1	1	FOR LEV-C	
28	S70 E60 202	THERMISTOR-W (OUTDOOR,2-PHASE PIPE, AMBIENT)		1	1	1	1	1	1		TH6,7
29	S70 E08 242	SOLENOID COIL <4WAY COIL>		1	1	1	1	1	1		21S4
30	S70 E10 208H	HIGH PRESSURE SWITCH	OFF 4.14MPa	1	1	1	1	1	1		63H
31	S70 E03 413	CHARGE PLUG		1	1	1	1	1	1		
32	S70 E77 313	POWER BOARD		1	1	1	1	1	1		P.B
33	S70 E75 313	CONVERTOR BOARD		1	1	1	1	1	1		CONV.B
34	S70 E75 346	NOISE FILTER BOARD		1	1	1	1	1	1		N.F
35	S70 E56 315H	CONTROLLER BOARD		1	1	1	1	1	1		C.B
36	S70 E09 716	TERMINAL BED	5P(L1, L2, L3,N, E)	1	1	1	1	1	1		TB1
37	S70 E08 716	TERMINAL BED	3P(S1, S2, S3)	1	1	1	1	1	1		TB2
38	S70 K90 259	REACTOR		1	1	1	1	1	1		ACL4
39	S70 E71 255	CAPACITOR		1	1	1	1	1	1		CK
40	S70 E20 234	RESISTOR		1	1	1	1	1	1		RS
(41)	S70 E55 202	THERMISTOR (HEAT SINK)		1	1	1	1	1	1		TH8

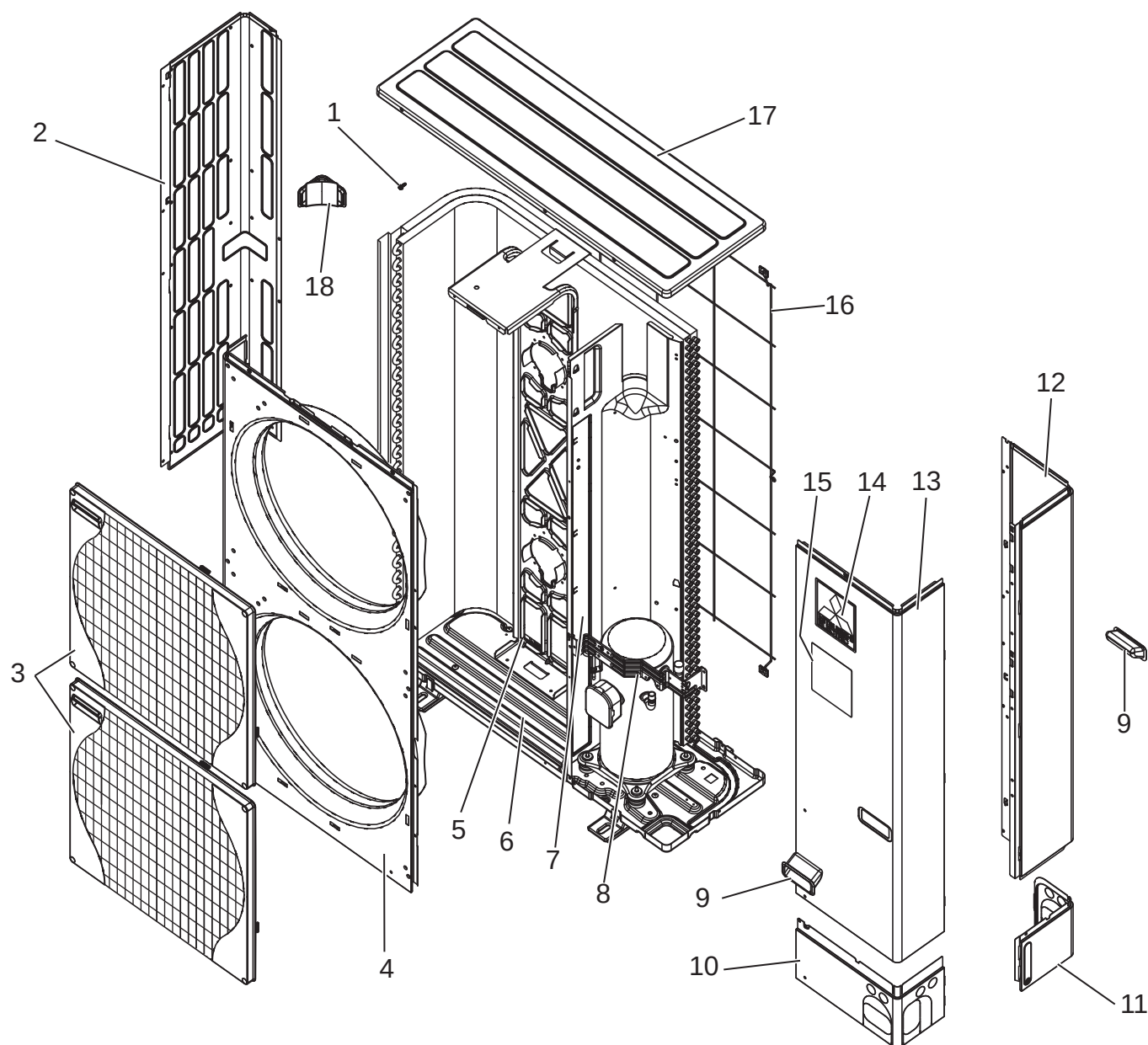
STRUCTURAL PARTS

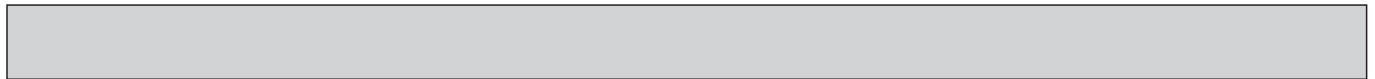
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PUHZ-SHW112VHA

PUHZ-SHW112YHA

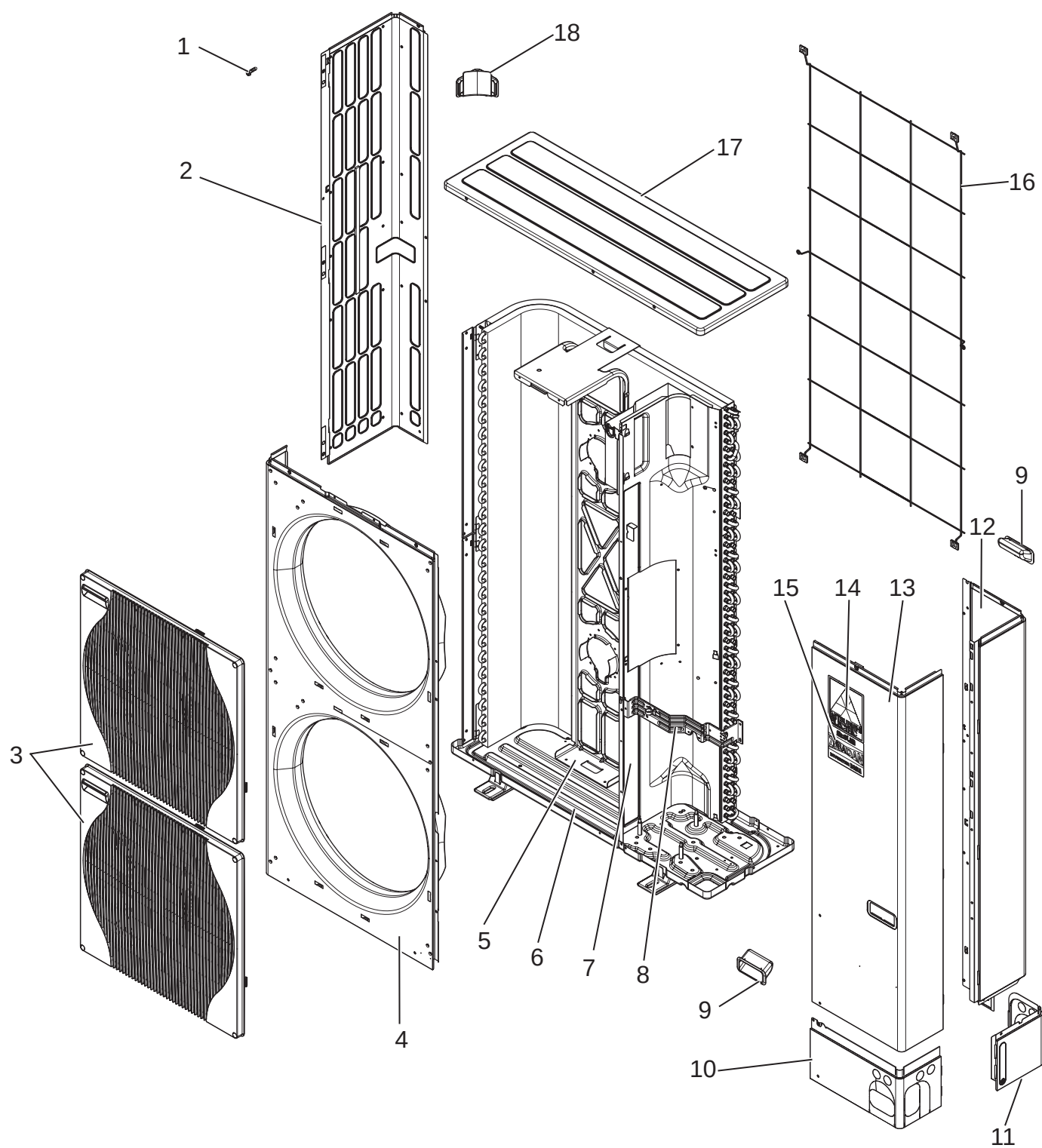
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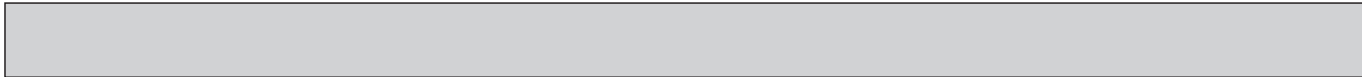




No.	Part No.	Part Name	Specifi- cation	Q'ty/unit				Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW					
				80VHA	112VHA	112YHA	140YHA		
1	—	F.ST SCREW	(5×12)	38	38	38	38	(DG12F536H12)	
2	R 01 E 33 662	SIDE PANEL (L)		1	1	1	1		
3	R 01 E 33 691	FAN GRILLE		2	2	2	2		
4	R 01 E 16 668	FRONT PANEL		1	1	1	1		
5	R 01 E 19 130	MOTOR SUPPORT		1	1	1	1		
6	R 01 E 26 686	BASE ASSY		1	1	1	1		
7	—	SEPARATOR ASSY		1	1			(BK00C143GK6)	
	—	SEPARATOR ASSY				1	1	(BK00C409G49)	
8	—	VALVE BED ASSY		1	1	1	1	(BK00C142G28)	
9	R 01 E 01 655	HANDLE		2	2	2	2		
10	R 01 E 26 658	COVER PANEL (FRONT)		1	1	1	1		
11	R 01 E 25 658	COVER PANEL (REAR)		1	1	1	1		
12	R 01 E 44 661	SIDE PANEL (R)		1	1	1	1		
13	T 7W E 08 667	SERVICE PANEL		1	1	1	1		
14	—	LABEL (MITSUBISHI)		1	1	1	1	(DG79R130H03)	
15	—	BRAND LABEL		1	1	1	1	(BH79L116H03)	
16	R 01 E 07 698	REAR GUARD		1	1	1	1		
17	R 01 E 29 641	TOP PANEL		1	1				
	R 01 E 27 641	TOP PANEL				1	1		
18	R 01 E 02 655	HANDLE		1	1	1	1		

STRUCTURAL PARTS
PUHZ-SHW112YHAR1
PUHZ-SHW140YHAR1





No.	Part No.	Part Name	Specifi- cation	Q'ty/unit		Remarks (Drawing No.)	Wiring Diagram Symbol
				PUHZ-SHW·YHAR1			
				112	140		
1	—	F.ST SCREW	(5×12)	38	38	(DG12F536H12)	
2	R 01 E 33 662	SIDE PANEL (L)		1	1		
3	R 01 E 33 691	FAN GRILLE		2	2		
4	R 01 E 16 668	FRONT PANEL		1	1		
5	R 01 E 19 130	MOTOR SUPPORT		1	1		
6	R 01 E 26 686	BASE ASSY		1	1		
7	—	SEPARATOR ASSY		1	1	(BK00C409G49)	
8	—	VALVE BED ASSY		1	1	(BK00C142G28)	
9	R 01 E 01 655	HANDLE		2	2		
10	R 01 E 26 658	COVER PANEL (FRONT)		1	1		
11	R 01 E 25 658	COVER PANEL (REAR)		1	1		
12	R 01 E 44 661	SIDE PANEL (R)		1	1		
13	T 7W E 08 667	SERVICE PANEL		1	1		
14	—	LABEL (MITSUBISHI)		1	1	(DG79R130H03)	
15	—	BRAND LABEL		1	1	(BH79L116H03)	
16	R 01 E 07 698	REAR GUARD		1	1		
17	R 01 E 27 641	TOP PANEL		1	1		
18	R 01 E 02 655	HANDLE		1	1		

STRUCTURAL PARTS

PUHZ-SHW80VHAR2.UK

PUHZ-SHW80VHAR2-BS.UK

PUHZ-SHW112VHAR2.UK

PUHZ-SHW112VHAR2-BS.UK

PUHZ-SHW112YHAR2.UK

PUHZ-SHW112YHAR2-BS.UK

PUHZ-SHW140YHAR2.UK

PUHZ-SHW140YHAR2-BS.UK

PUHZ-SHW80VHAR3.UK

PUHZ-SHW80VHAR3-BS.UK

PUHZ-SHW112VHAR3.UK

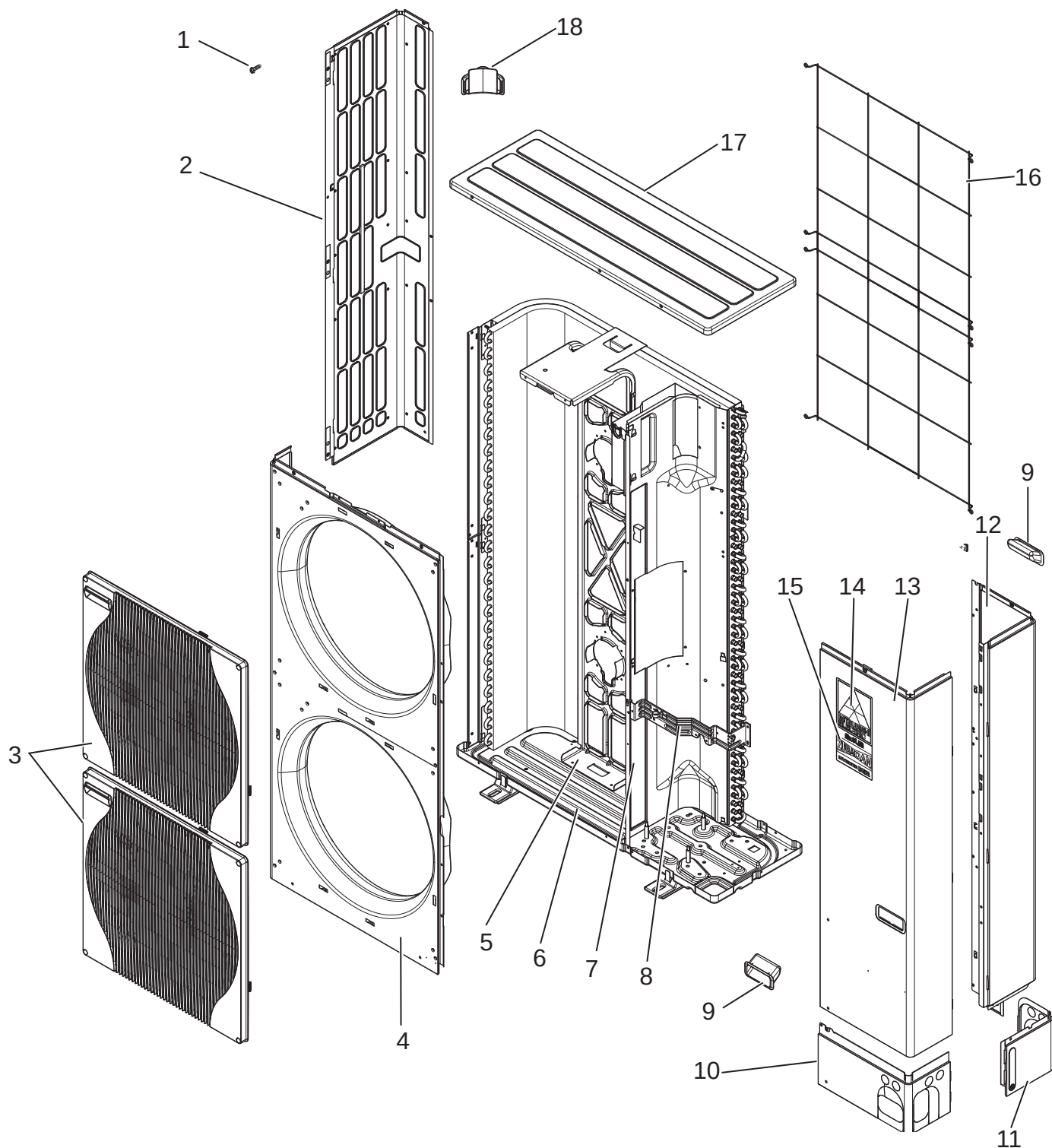
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PUHZ-SHW112YHAR3.UK

PUHZ-SHW112YHAR3-BS.UK

PUHZ-SHW140YHAR3.UK

PUHZ-SHW140YHAR3-BS.UK





No.	Part No.	Part Name	Specifi- cation	Q'ty/unit																Remarks (Drawing No.)
				PUHZ-SHW80VHAR2.UK	PUHZ-SHW80VHAR2-BS.UK	PUHZ-SHW112VHAR2.UK	PUHZ-SHW112VHAR2-BS.UK	PUHZ-SHW112VHAR2.UK	PUHZ-SHW112VHAR2-BS.UK	PUHZ-SHW140YHAR2.UK	PUHZ-SHW140YHAR2-BS.UK	PUHZ-SHW80VHAR3.UK	PUHZ-SHW80VHAR3-BS.UK	PUHZ-SHW112VHAR3.UK	PUHZ-SHW112VHAR3-BS.UK	PUHZ-SHW112VHAR3.UK	PUHZ-SHW112VHAR3-BS.UK	PUHZ-SHW140YHAR3.UK	PUHZ-SHW140YHAR3-BS.UK	
1	—	F.ST SCREW	(5×12)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	DG12F536H12-JP
2	S 7 0 E 1 5 6 6 2	SIDE PANEL (L)		1		1		1		1		1		1		1		1		
	S 7 0 E 1 6 6 6 2	SIDE PANEL (L)			1		1		1		1		1		1		1		1	
3	S 7 0 E 3 0 6 7 5	FAN GRILLE		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
4	S 7 0 E 4 0 6 6 8	FRONT PANEL		1		1		1		1		1		1		1		1		
	S 7 0 E 5 1 6 6 8	FRONT PANEL			1		1		1		1		1		1		1		1	
5	S 7 0 E 2 0 1 3 0	MOTOR SUPPORT		1		1		1		1		1		1		1		1		
	S 7 0 E 8 0 1 3 0	MOTOR SUPPORT			1		1		1		1		1		1		1		1	
6	S 7 0 E 7 1 6 8 6	BASE ASSY		1		1		1		1		1		1		1		1		
	S 7 0 E 8 1 6 8 6	BASE ASSY			1		1		1		1		1		1		1		1	
7	—	SEPARATOR		1		1						1		1						BK00C456G76
	—	SEPARATOR						1		1						1		1		BK00C456G77
	—	SEPARATOR			1		1						1		1					BK00C456G78
	—	SEPARATOR							1		1						1		1	BK00C456G79
8	S 7 1 0 V B 0 0 1	VALVE BED ASSY		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	S 7 0 3 0 L 6 5 5	HANDLE		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
10	S 7 0 E 3 0 6 5 8	COVER PANEL (FRONT)		1		1		1		1		1		1		1		1		
	S 7 0 E 3 1 6 5 8	COVER PANEL (FRONT)			1		1		1		1		1		1		1		1	
11	S 7 0 E 4 0 6 5 8	COVER PANEL (REAR)		1		1		1		1		1		1		1		1		
	S 7 0 E 4 1 6 5 8	COVER PANEL (REAR)			1		1		1		1		1		1		1		1	
12	S 7 0 E 8 0 6 6 2	SIDE PANEL(R)		1		1		1		1		1		1		1		1		
	S 7 0 E 9 0 6 6 2	SIDE PANEL(R)			1		1		1		1		1		1		1		1	
13	S 7 0 E 3 1 6 6 1	SERVICE PANEL		1		1		1		1		1		1		1		1		
	S 7 0 E 4 1 6 6 1	SERVICE PANEL			1		1		1		1		1		1		1		1	
14	S 7 0 E 2 0 6 9 9	LABEL (MITSUBISHI)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	S 7 0 E 3 0 6 9 9	LABEL (BRAND)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	S 7 0 E 2 0 6 9 8	REAR GUARD		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
17	S 7 0 E 2 0 6 4 1	TOP PANEL		1		1		1		1		1		1		1		1		
	S 7 0 E 3 0 6 4 1	TOP PANEL			1		1		1		1		1		1		1		1	
18	S 7 0 E 1 0 6 5 5	HANDLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

STRUCTURAL PARTS

PUHZ-SHW80VHAR4.UK

PUHZ-SHW80VHAR4-BS.UK

PUHZ-SHW112YHAR4.UK

PUHZ-SHW112YHAR4-BS.UK

PUHZ-SHW112VHAR4.UK

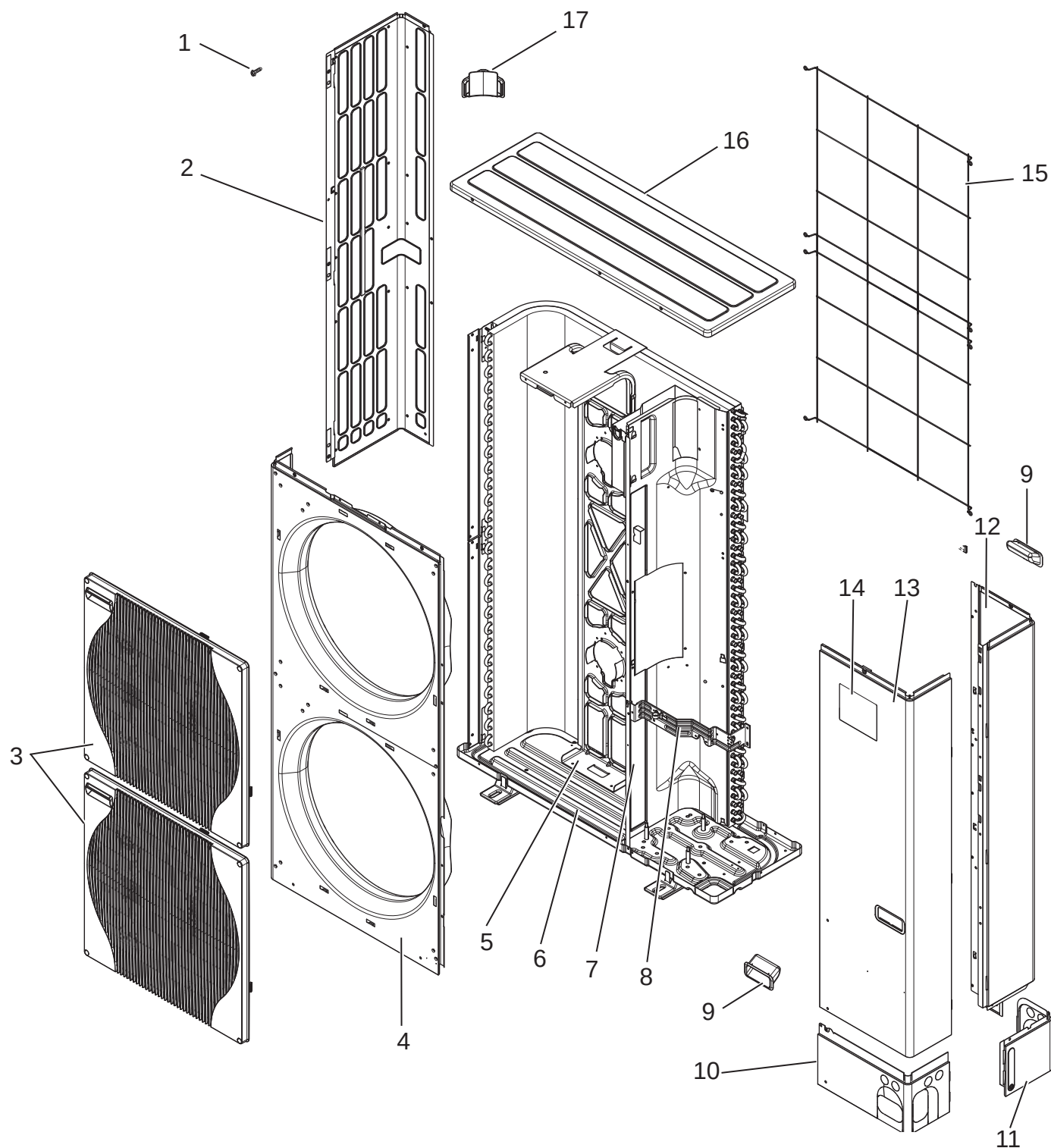
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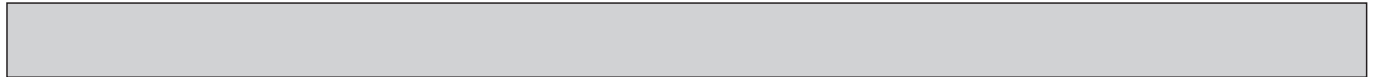
PUHZ-SHW140YHAR4.UK

PUHZ-SHW140YHAR4-BS.UK

PUHZ-SHW140YHAR5.UK

PUHZ-SHW140YHAR5-BS.UK





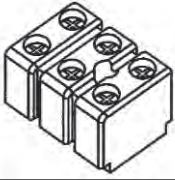
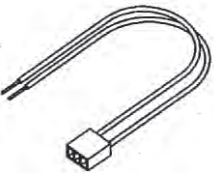
No.	Part No.	Part Name	Specifi- cation	Q'ty/unit										Remarks (Drawing No.)
				PUHZ-SHW80VHAR4.UK	PUHZ-SHW80VHAR4-BS.UK	PUHZ-SHW112VHAR4.UK	PUHZ-SHW112VHAR4-BS.UK	PUHZ-SHW112YHAR4.UK	PUHZ-SHW112YHAR4-BS.UK	PUHZ-SHW140YHAR4.UK	PUHZ-SHW140YHAR4-BS.UK	PUHZ-SHW140YHAR5.UK	PUHZ-SHW140YHAR5-BS.UK	
1	—	F.ST SCREW	(5×12)	50	50	50	50	50	50	50	50	50	50	DG12F536H12-JP
2	S 7 0 E 1 5 6 6 2	SIDE PANEL (L)		1		1		1		1		1		
	S 7 0 E 1 6 6 6 2	SIDE PANEL (L)			1		1		1		1		1	
3	S 7 0 E 3 0 6 7 5	FAN GRILLE		2	2	2	2	2	2	2	2	2	2	
4	S 7 0 E 4 0 6 6 8	FRONT PANEL		1		1		1		1		1		
	S 7 0 E 5 1 6 6 8	FRONT PANEL			1		1		1		1		1	
5	S 7 0 E 2 5 1 3 0	MOTOR SUPPORT		1		1		1		1		1		
	S 7 0 E 8 5 1 3 0	MOTOR SUPPORT			1		1		1		1		1	
6	S 7 0 E 7 2 6 8 6	BASE ASSY		1		1		1		1		1		
	S 7 0 E 8 2 6 8 6	BASE ASSY			1		1		1		1		1	
7	—	SEPARATOR		1		1								BK00C456G76
	—	SEPARATOR						1		1		1		BK00C456G77
	—	SEPARATOR			1		1							BK00C456G78
	—	SEPARATOR							1		1		1	BK00C456G79
8	S 7 1 0 V B 0 0 1	VALVE BED ASSY		1	1	1	1	1	1	1	1	1	1	
9	S 7 0 3 0 L 6 5 5	HANDLE		2	2	2	2	2	2	2	2	2	2	
10	S 7 0 E 3 0 6 5 8	COVER PANEL (FRONT)		1		1		1		1		1		
	S 7 0 E 3 1 6 5 8	COVER PANEL (FRONT)			1		1		1		1		1	
11	S 7 0 E 4 0 6 5 8	COVER PANEL (REAR)		1		1		1		1		1		
	S 7 0 E 4 1 6 5 8	COVER PANEL (REAR)			1		1		1		1		1	
12	S 7 0 E 8 0 6 6 2	SIDE PANEL(R)		1		1		1		1		1		
	S 7 0 E 9 0 6 6 2	SIDE PANEL(R)			1		1		1		1		1	
13	S 7 0 E 3 1 6 6 1	SERVICE PANEL		1		1		1		1		1		
	S 7 0 E 4 1 6 6 1	SERVICE PANEL			1		1		1		1		1	
14	S 7 0 E 3 5 6 9 9	LABEL (MITSUBISHI)		1	1	1	1	1	1	1	1	1	1	
15	S 7 0 E 2 0 6 9 8	REAR GUARD		2	2	2	2	2	2	2	2	2	2	
16	S 7 0 E 2 0 6 4 1	TOP PANEL		1		1		1		1		1		
	S 7 0 E 3 0 6 4 1	TOP PANEL			1		1		1		1		1	
17	S 7 0 E 1 0 6 5 5	HANDLE		1	1	1	1	1	1	1	1	1	1	

CONNECTOR FOR DRAIN HOSE HEATER

Parts No.

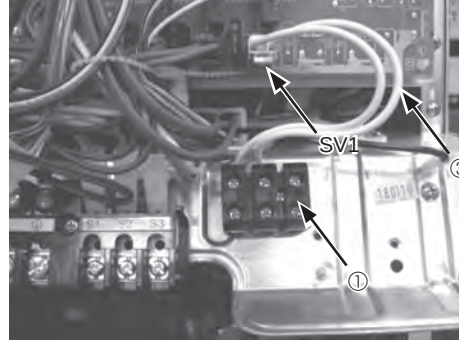
PAC-SE60RA-E

Contents

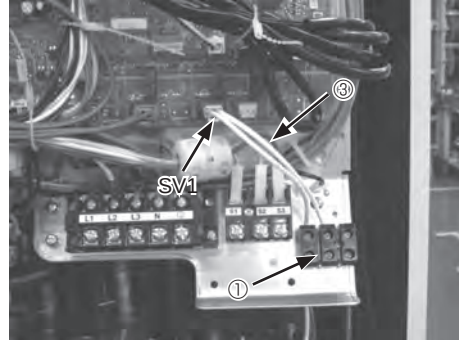
① Terminal block	×1
	
② Screw	×1
	
③ Lead wire with connector	×1
	

Installation

● PUHZ-SHW80/112VHA

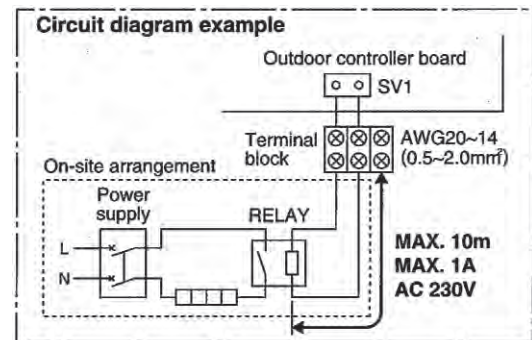


● PUHZ-SHW112/140YHA



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



SV1 on the controller board
→ Drain hose heater signal output
With PAC-SE60RA-E

From defrost start
For 15 min. ON signal provided

MITSUBISHI ELECTRIC CORPORATION

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