

SERVICE MANUAL



Indoor unit	Outdoor unit
AUXG09KVLA	AOHG09KBTB
AUXG12KVLA	AOHG12KBTB
AUXG14KVLA	AOHG14KBTB
AUXG18KVLA	AOHG18KBTB
AUXG22KVLA	AOHG22KBTB
UTG-UFYF-W	

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Specifications (Indoor unit)

Type				Cassette			
				Inverter heat pump			
Model name				AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	
Power supply				230 V ~ 50 Hz			
Power supply intake				Outdoor unit			
Available voltage range				198—264 V			
Capacity	Cooling	Rated	kW	2.50	3.50	4.30	
			Btu/h	8,500	11,900	14,700	
		Min.—Max.	kW	0.90—3.20	0.90—4.40	0.90—5.40	
	Btu/h		3,100—10,900	3,100—15,000	3,100—18,400		
	Heating	Rated	kW	3.20	4.10	5.00	
			Btu/h	10,900	13,400	17,000	
Min.—Max.		kW	0.90—4.70	0.90—5.70	0.90—6.50		
	Btu/h	3,100—16,000	3,100—19,400	3,100—22,200			
Input power	Cooling	Rated	kW	0.55	0.93	1.28	
		Max.		1.82	2.24	2.35	
	Heating	Rated		0.79	1.08	1.32	
		Max.		1.82	2.24	2.35	
Current	Cooling	Rated	A	2.9	4.1	5.6	
	Heating			4.0	4.8	5.8	
Power factor	Cooling		%	82.5	98.6	99.4	
	Heating			85.9	97.8	99.0	
EER	Cooling		kW/kW	4.57	3.76	3.36	
COP	Heating			4.05	3.80	3.79	
Moisture removal			L/h (pints/h)	0.6 (1.1)	1.2 (2.1)	1.5 (2.6)	
Maximum operating current *1		Cooling		A	7.9	10.2	
		Heating			7.9	9.7	10.2
Fan	Airflow rate	Cooling	HIGH	m³/h	540	600	680
			MED		490	530	580
			LOW		440	470	490
			QUIET		390	410	410
		Heating	HIGH		540	600	800
			MED		490	530	680
			LOW		440	470	580
			QUIET		390	410	450
	Type × Q'ty				Turbo × 1		
	Motor output		W		54		
Sound pressure level *2	Cooling	HIGH	dB (A)	33	37	38	
		MED		31	34	34	
		LOW		29	30	30	
		QUIET		27	27	27	
	Heating	HIGH		34	37	43	
		MED		32	34	38	
		LOW		29	31	34	
		QUIET		27	29	30	
Heat exchanger type	Dimensions (H × W × D)		mm	210 × 1,310 × 13.3			
	Fin pitch			210 × 1,250 × 13.3			
	Rows × Stages			1.2			
	Pipe type			2 × 10			
	Fin type			Copper tube			
Dimensions (H × W × D)	Net		mm	Aluminum			
	Gross			245 × 570 × 570			
Weight	Net		kg	265 × 730 × 625			
	Gross			15			
Connection pipe	Size	Liquid	mm (in)	19			
		Gas		Ø 6.35 (Ø1/4)			
	Method			Ø9.52 (Ø3/8)			
Operation range				Flare			
	Cooling			18 to 32			
				%RH			
Cassette grille (Grid type: Option)	Heating		°C	80 or less			
				16 to 30			
	Material			Polystyrene			
	Color			White			
	Dimensions (H × W × D)	Net	mm	Approximate color of Munsell 9PB 9.1/0.2			
		Gross		49 × 620 × 620			
Weight	Net	kg	120 × 765 × 755				
	Gross		2.3				
Remote control (Option)				4.5			
Drain hose				Wired remote controller, Wireless remote controller, Mobile app*3 (FGLair™)			
				PVC			
				VP25 [Ø25(I.D.), Ø32(O.D.)]			

NOTES:

- Specifications are based on the following conditions:
 - Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
 - Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.
 - Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *1: Maximum operating current is the total current of the indoor unit and the outdoor unit.
- *2: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- *3: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.

Specifications for ErP Lot10							
Model name				AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	
Energy efficiency class	Cooling			A++			
	Heating (Average)			A+			
Pdesign	Cooling	kW		2.5 (35°C)	3.5 (35°C)	4.3 (35°C)	
	Heating (Average)			2.6 (-10°C)	3.4 (-10°C)	3.8 (-10°C)	
SEER	Cooling	kWh/kWh		6.70	6.60	6.50	
SCOP	Heating (Average)			4.40	4.30	4.40	
Annual energy consumption	QCE		kWh/a	131	186	231	
	QHE (Average)			826	1,106	1,208	
Sound power level	Cooling	HIGH	dB (A)	46	49	50	
	Heating			47	49	55	

Type				Cassette		
				Inverter heat pump		
Model name				AUXG18KVLA	AUXG22KVLA	
Power supply				230 V ~ 50 Hz		
Power supply intake				Outdoor unit		
Available voltage range				198—264 V		
Capacity	Cooling	Rated	kW	5.20	6.00	
			Btu/h	17,700	20,500	
		Min.—Max.	kW	0.90—5.90	0.90—6.70	
			Btu/h	3,100—20,100	3,100—22,900	
	Heating	Rated	kW	6.00	7.00	
			Btu/h	20,500	23,900	
		Min.—Max.	kW	0.90—7.50	0.90—8.00	
			Btu/h	3,100—25,600	3,100—27,300	
Input power	Cooling	Rated	kW	1.60	1.82	
		Max.		2.79	2.90	
	Heating	Rated		1.66	1.87	
		Max.		2.79	2.90	
Current	Cooling	Rated	A	7.0	8.0	
Heating	7.3			8.2		
Power factor	Cooling			99.4	98.9	
	Heating			98.9	99.2	
EER	Cooling			3.25	3.30	
COP	Heating			3.61	3.74	
Moisture removal			L/h (pints/h)	2.2 (3.9)	2.6 (4.6)	
Maximum operating current *1		Cooling	A	12.1	12.6	
		Heating		12.1	12.6	
Fan	Airflow rate	Cooling	HIGH	m³/h	680	830
			MED		580	740
			LOW		490	600
			QUIET		410	450
		Heating	HIGH		800	860
			MED		680	760
			LOW		580	700
			QUIET		450	530
	Type × Q'ty			Turbo × 1		
	Motor output			W		54
Sound pressure level *2	Cooling	HIGH	dB (A)	38	44	
		MED		34	42	
		LOW		30	36	
		QUIET		26	30	
	Heating	HIGH		43	45	
		MED		38	43	
		LOW		34	40	
		QUIET		30	33	
Heat exchanger type	Dimensions (H × W × D)		mm	210 × 1,310 × 13.3 210 × 1,250 × 13.3	210 × 1,360 × 13.3 210 × 1,295 × 13.3 210 × 1,235 × 13.3	
	Fin pitch			1.2	1.45	
	Rows × Stages			2 × 10	3 × 10	
	Pipe type			Copper tube		
	Fin type			Aluminum		
Dimensions (H × W × D)	Net		mm	245 × 570 × 570		
	Gross			265 × 730 × 625		
Weight	Net		kg	15	16	
	Gross			19	20	
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø1/4)		
		Gas		Ø12.70 (Ø1/2)		
	Method			Flare		
Operation range	Cooling		°C	18 to 32		
			%RH	80 or less		
	Heating		°C	16 to 30		
Cassette grille (Grid type: Option)	Material			Polystyrene		
	Color			White		
				Approximate color of Munsell 9PB 9.1/0.2		
	Dimensions (H × W × D)	Net	mm	49 × 620 × 620		
		Gross		120 × 765 × 755		
	Weight	Net	kg	2.3		
Gross		4.5				
Remote control (Option)				Wired remote controller, Wireless remote controller, Mobile app*3 (FGLair™)		
Drain hose	Material			PVC		
	Size		mm	VP25 [Ø25(I.D.), Ø32(O.D.)]		
NOTES:						
<ul style="list-style-type: none">Specifications are based on the following conditions:<ul style="list-style-type: none">Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.Pipe length: 5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)Protective function might work when using it outside the operation range.*1: Maximum operating current is the total current of the indoor unit and the outdoor unit.*2: Sound pressure level:<ul style="list-style-type: none">Measured values in manufacturer's anechoic chamber.Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.*3: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.						

Specifications for ErP Lot10					
Model name			AUXG18KVLA		AUXG22KVLA
Energy efficiency class	Cooling		A ⁺⁺		
	Heating (Average)		A ⁺		
Pdesign	Cooling	kW	5.2 (35°C)	6.0 (35°C)	
	Heating (Average)		4.4 (-10°C)	4.8 (-10°C)	
SEER	Cooling	kWh/kWh	6.60	6.60	
SCOP	Heating (Average)		4.20	4.30	
Annual energy consumption	QCE		275	318	
	QHE (Average)		1,466	1,562	
Sound power level	Cooling	HIGH	dB (A)	50	56
	Heating			55	57

Specifications (Outdoor unit)

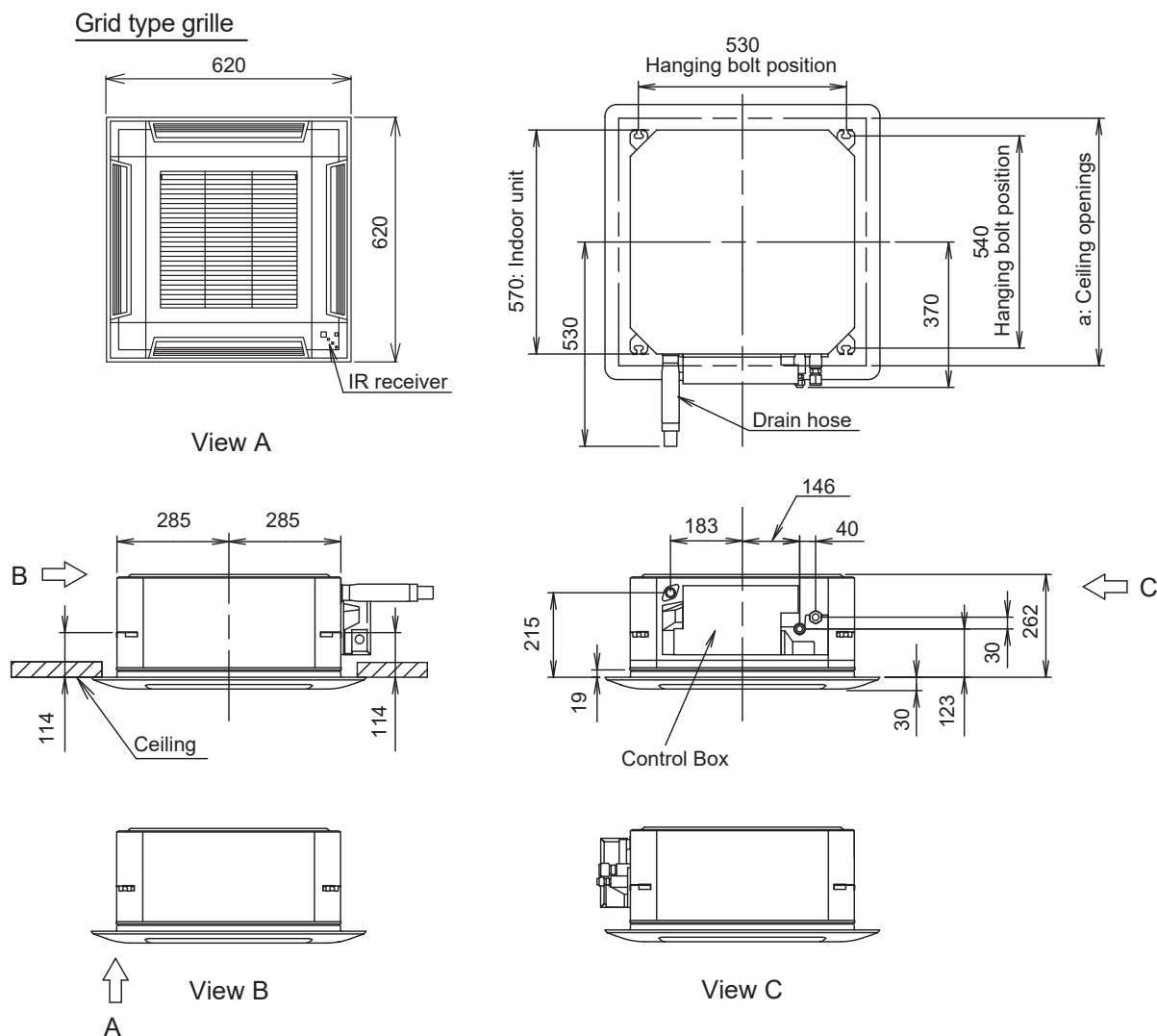
Type				Inverter heat pump		
Model name				AOHG09KBTB	AOHG12KBTB	AOHG14KBTB
Power supply				230 V ~ 50 Hz		
Available voltage range				198—264 V		
Starting current			A	4.0	4.8	5.8
Fan	Airflow rate	Cooling	m³/h	1,480	1,580	1,670
		Heating		1,410	1,520	1,580
	Type × Q'ty			Propeller fan × 1		
Motor output			W	23		
Sound pressure level *1		Cooling	dB (A)	46	47	49
		Heating		46	47	49
Sound power level		Cooling	dB (A)	59	61	62
		Heating		59	61	62
Heat exchanger type		Dimensions (H × W × D)	mm	504 × 881 × 18.19		
		Fin pitch		504 × 851 × 18.19		
		Rows × Stages		1.3		
		Pipe type		2 × 24		
		Fin type	Type (Material)	Copper		
			Surface treatment	Aluminum		
				PC fin		
Compressor	Type × Q'ty			DC rotary × 1	DC Twin rotary × 1	
	Motor output		W	900	810	900
Refrigerant		Type (Global warming potential)		R32 (675)		
		Charge	g	850		
Refrigerant oil		Type		RB68A	FW68S	
		Amount	cm³	340	350	
Enclosure		Material		Steel sheet		
		Color		Beige		
				Approximate color of Munsell 10YR 7.5/1.0		
Dimensions (H × W × D)	Net		mm	542 × 799 × 290		
	Gross			602 × 940 × 375		
Weight	Net		kg	32	33	
	Gross			35	37	
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)		
		Gas		Ø 9.52 (Ø 3/8)		
	Method			Flare		
	Pre-charge length		m	15		
	Max. length			20	25	
	Max. height difference			15	20	
Operation range		Cooling	°C	-15 to 46		
		Heating		-15 to 24		
Drain hose		Material		PP		
		Size		mm		
Ø 13.0 (I. D.), Ø 16.0 to Ø 16.8 (O. D.)						
NOTES:						
<div><div>• Specifications are based on the following conditions:</div><div><div>– Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.</div><div>– Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.</div><div>– Pipe length: 5 m, Height difference: 0 m.</div></div><div>• Protective function might work when using it outside the operation range.</div><div>• *1: Sound pressure level<div><div>– Measured values in manufacturer's anechoic chamber.</div><div>– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</div></div></div></div>						

Type				Inverter heat pump		
Model name				AOHG18KBTB	AOHG22KBTB	
Power supply				230 V ~ 50 Hz		
Available voltage range				198—264 V		
Starting current			A	7.1	8.2	
Fan	Airflow rate	Cooling	m³/h	2,160	2,240	
		Heating		1,830	1,960	
	Type × Q'ty		Propeller fan × 1			
	Motor output		W	49		
Sound pressure level *1		Cooling	dB (A)	50	51	
		Heating		50	51	
Sound power level		Cooling	dB (A)	62	63	
		Heating		62	63	
Heat exchanger type		Dimensions (H × W × D)	mm	588 × 881 × 18.19	588 × 881 × 18.19	
		Fin pitch		588 × 851 × 18.19	588 × 851 × 18.19	
		Rows × Stages		1.3		
		Pipe type		2 × 28	2 × 28	
		Pipe type		Copper		
		Fin type	Type (Material)	Corrugate (Aluminum)		
		Surface treatment	*PC fin* Corrosion resistance			
Compressor	Type × Q'ty		DC Twin rotary × 1			
	Motor output		W	900	1,060	
Refrigerant		Type (Global warming potential)		R32 (675)		
		Charge	g	1,020	1,250	
Refrigerant oil		Type		FW68S	RmM68AF	
		Amount	cm³	350	400	
Enclosure		Material		Steel sheet		
		Color		Beige Approximate color of Munsell 10YR 7.5/1.0		
Dimensions (H × W × D)	Net		mm	632 × 799 × 290		
	Gross			692 × 940 × 375		
Weight	Net		kg	36	38	
	Gross			40	42	
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)		
		Gas		Ø 12.70 (Ø 1/2)		
	Method		Flare			
	Pre-charge length		m	20		
	Max. length			30		
	Max. height difference			20	25	
Operation range		Cooling	°C	-15 to 46		
		Heating		-15 to 24		
Drain hose		Material		PP		
		Size		mm Ø 13.0 (I. D.), Ø 16.0 to Ø 16.8 (O. D.)		
NOTES:						
• Specifications are based on the following conditions:						
– Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.						
– Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.						
– Pipe length: 5 m, Height difference: 0 m.						
• Protective function might work when using it outside the operation range.						
• *1: Sound pressure level						
– Measured values in manufacturer's anechoic chamber.						
– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.						

Dimensions

Models: AUXG09KVLA, AUXG12KVLA, AUXG14KVLA, AUXG18KVLA, and AUXG22KVLA

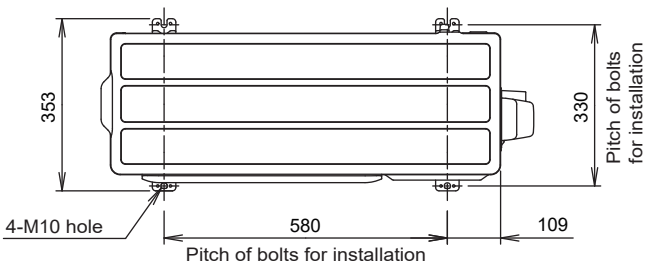
Unit: mm



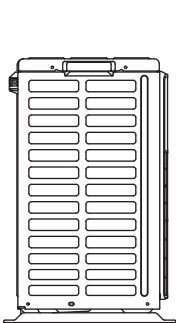
a: Ceiling openings		
Cassette grille (Option [Grid type])	mm	580 to 610

Models: AOHG09KBTB, AOHG12KBTB, and AOHG14KBTB

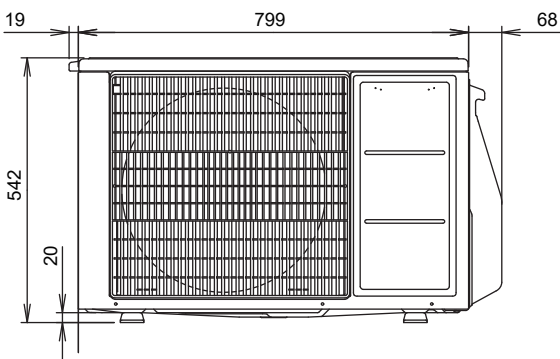
Unit: mm



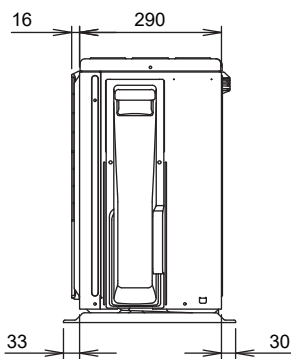
Top view



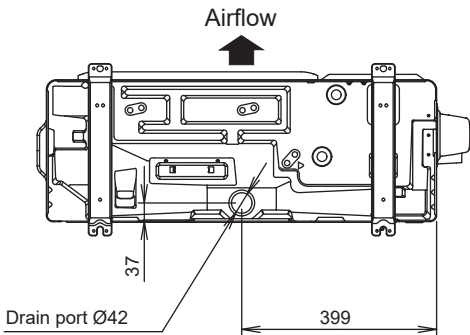
Side view



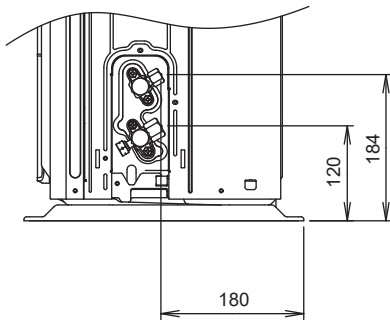
Front view



Side view



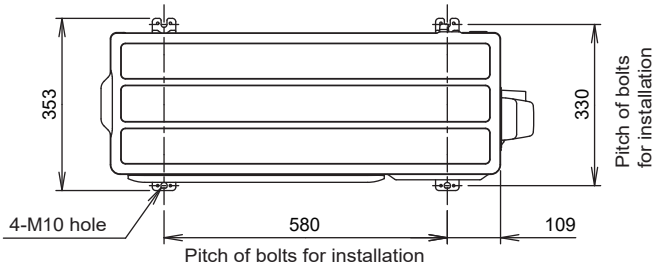
Bottom view



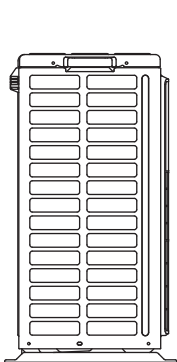
Side view (Valve part)

Models: AOHG18KBTB and AOHG22KBTB

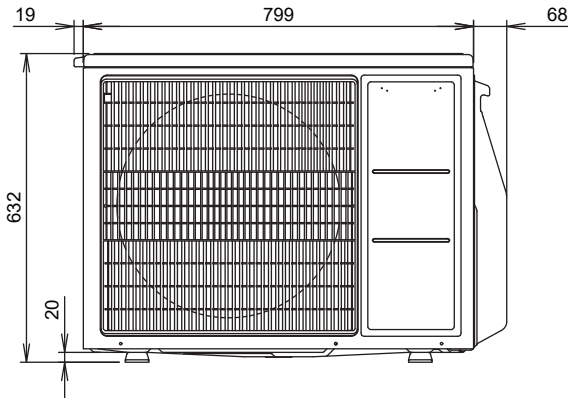
Unit: mm



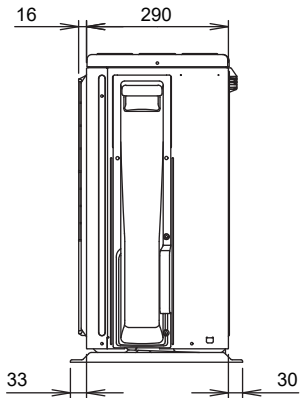
Top view



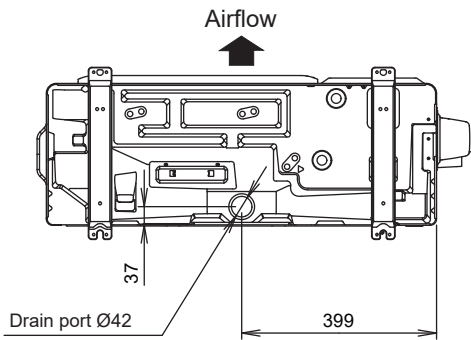
Side view



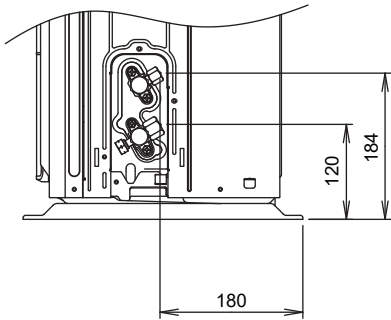
Front view



Side view



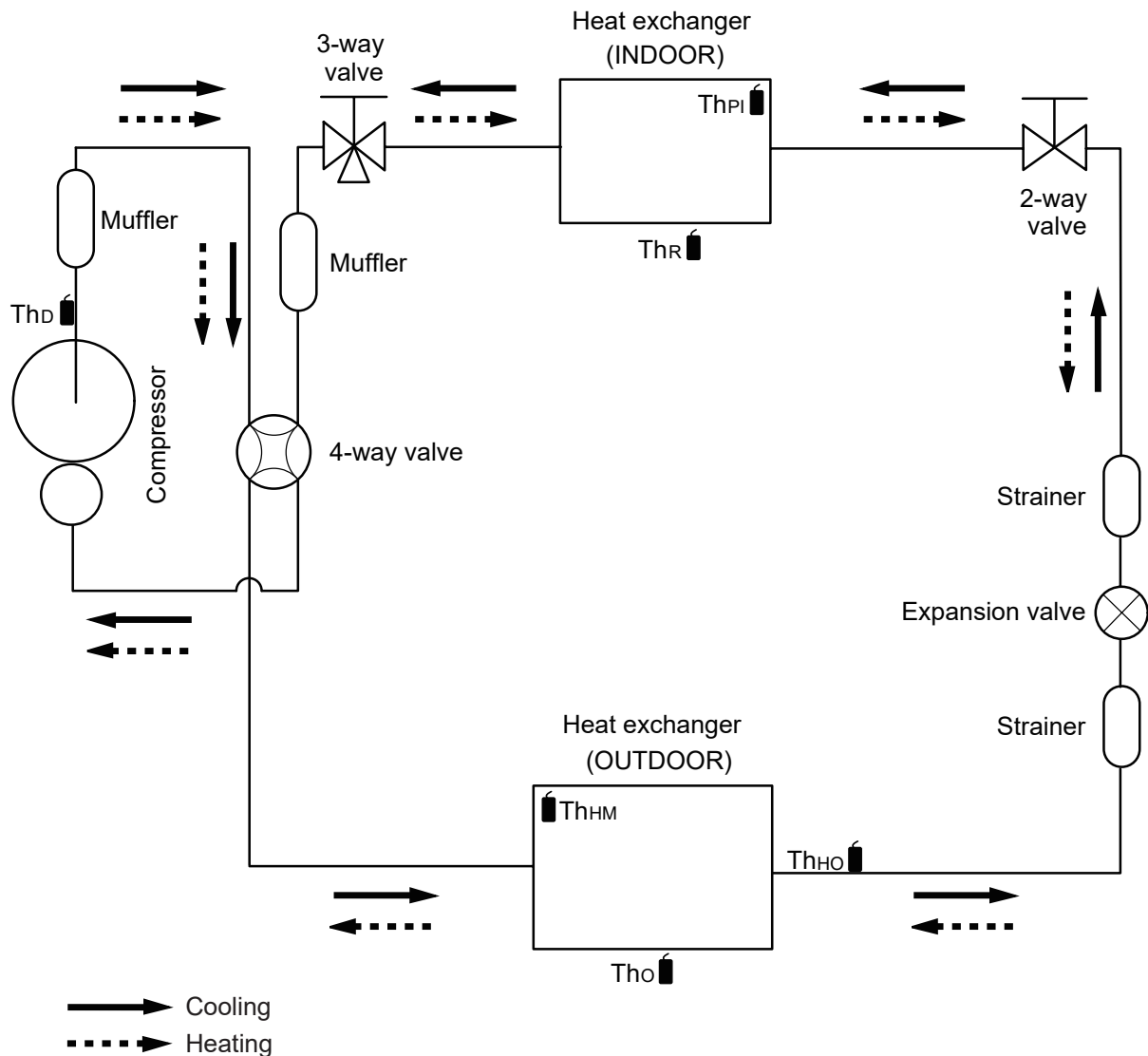
Bottom view



Side view (Valve part)

Refrigerant circuit

Models: AOHG09KBTB, AOHG12KBTB, and AOHG14KBTB



Th_D : Thermistor (Discharge temperature)

Th_O : Thermistor (Outdoor temperature)

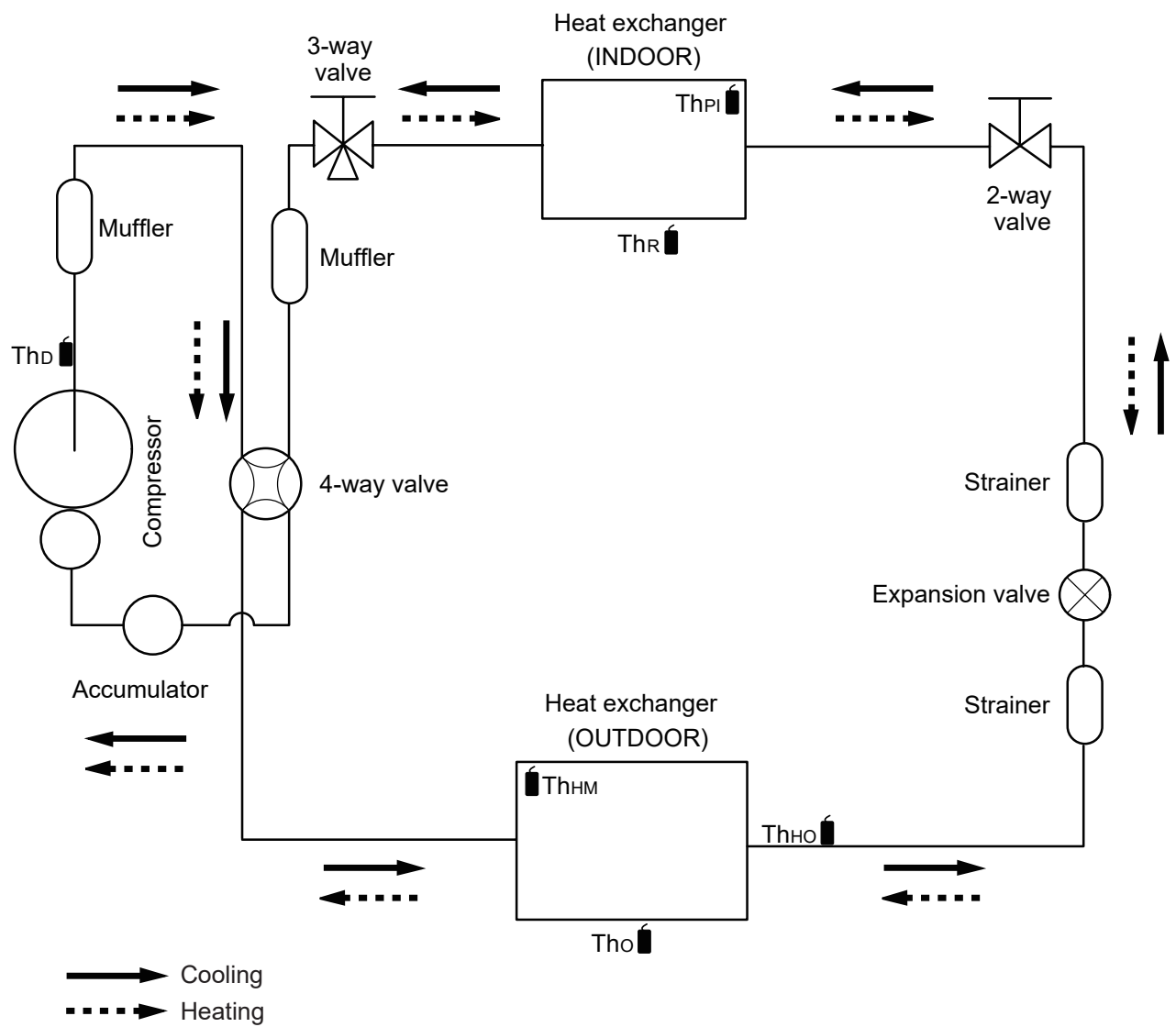
Th_{HO} : Thermistor (Heat exchanger out temperature)

Th_{HM} : Thermistor (Heat exchanger middle temperature)

Th_R : Thermistor (Room temperature)

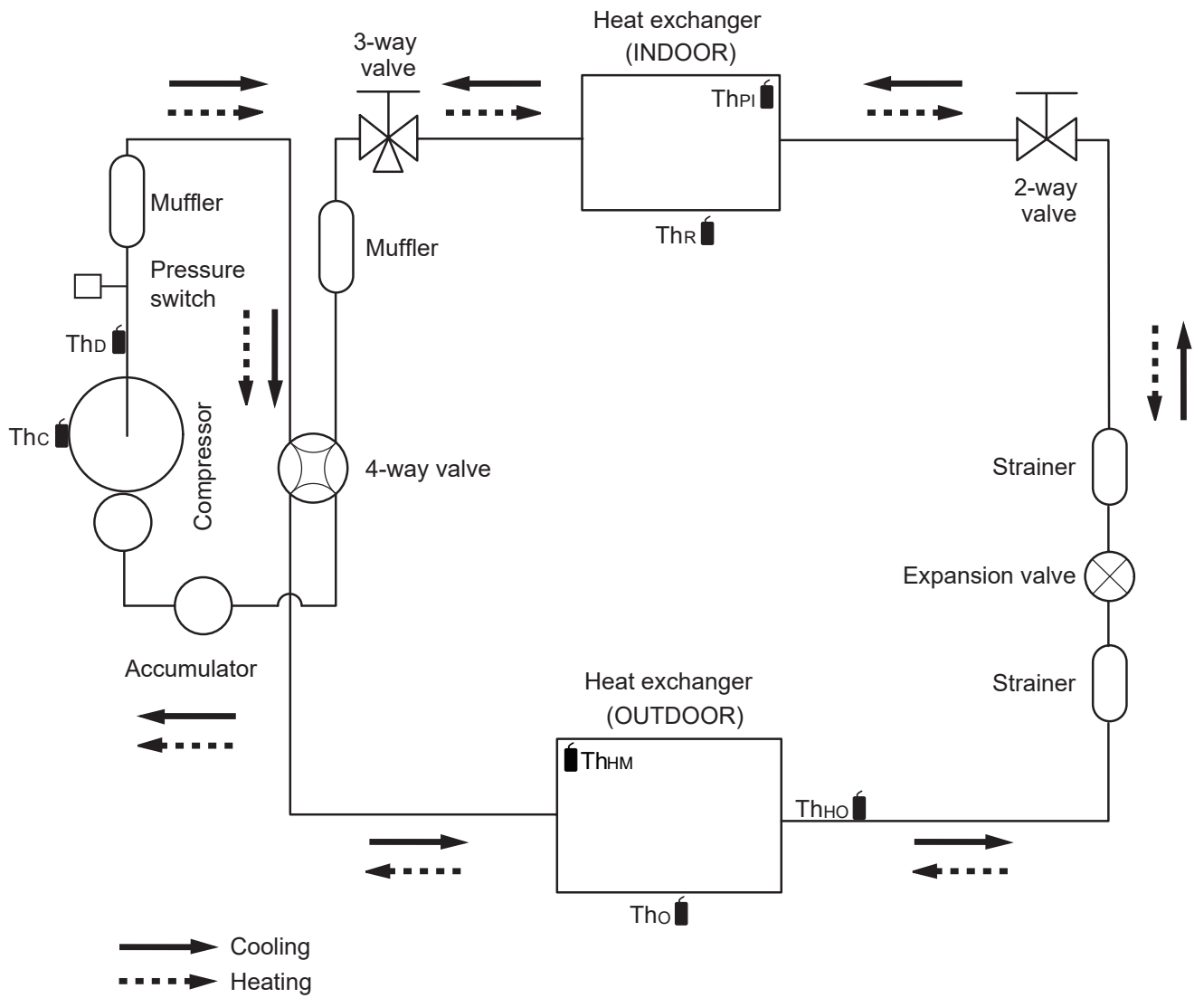
Th_{PI} : Thermistor (Pipe temperature)

Model: AOHG18KBTB



- Th_D : Thermistor (Discharge temperature)
 Th_O : Thermistor (Outdoor temperature)
 Th_{HO} : Thermistor (Heat exchanger out temperature)
 Th_{HM} : Thermistor (Heat exchanger middle temperature)
 Th_R : Thermistor (Room temperature)
 Th_{PI} : Thermistor (Pipe temperature)

Model: AOHG22KBTB

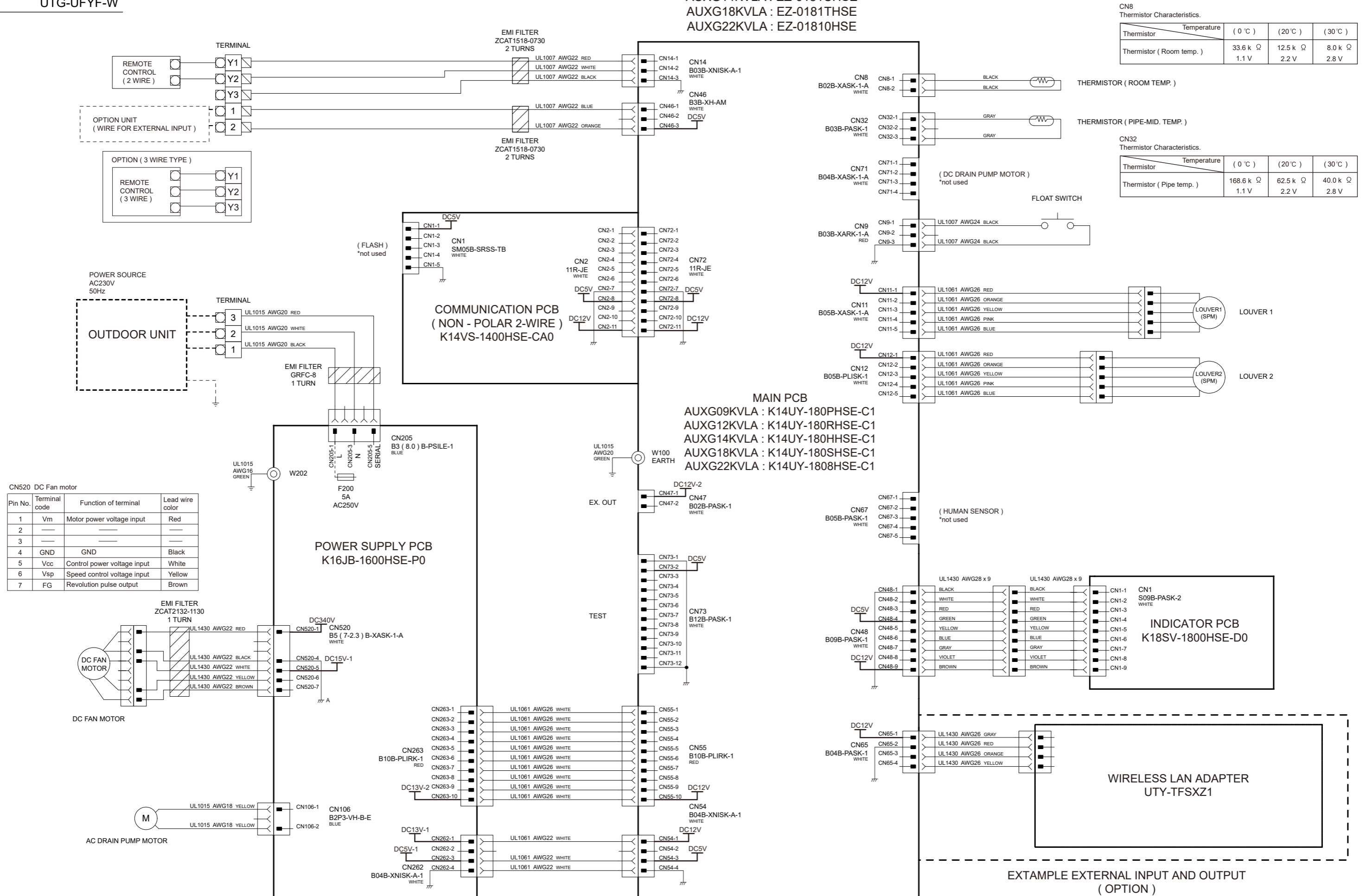


- Thc : Thermistor (Compressor temperature)
- Thd : Thermistor (Discharge temperature)
- Tho : Thermistor (Outdoor temperature)
- Thho : Thermistor (Heat exchanger out temperature)
- Thhm : Thermistor (Heat exchanger middle temperature)
- ThR : Thermistor (Room temperature)
- ThPI : Thermistor (Pipe temperature)

INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

Models : AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA
UTG-UFYF-W

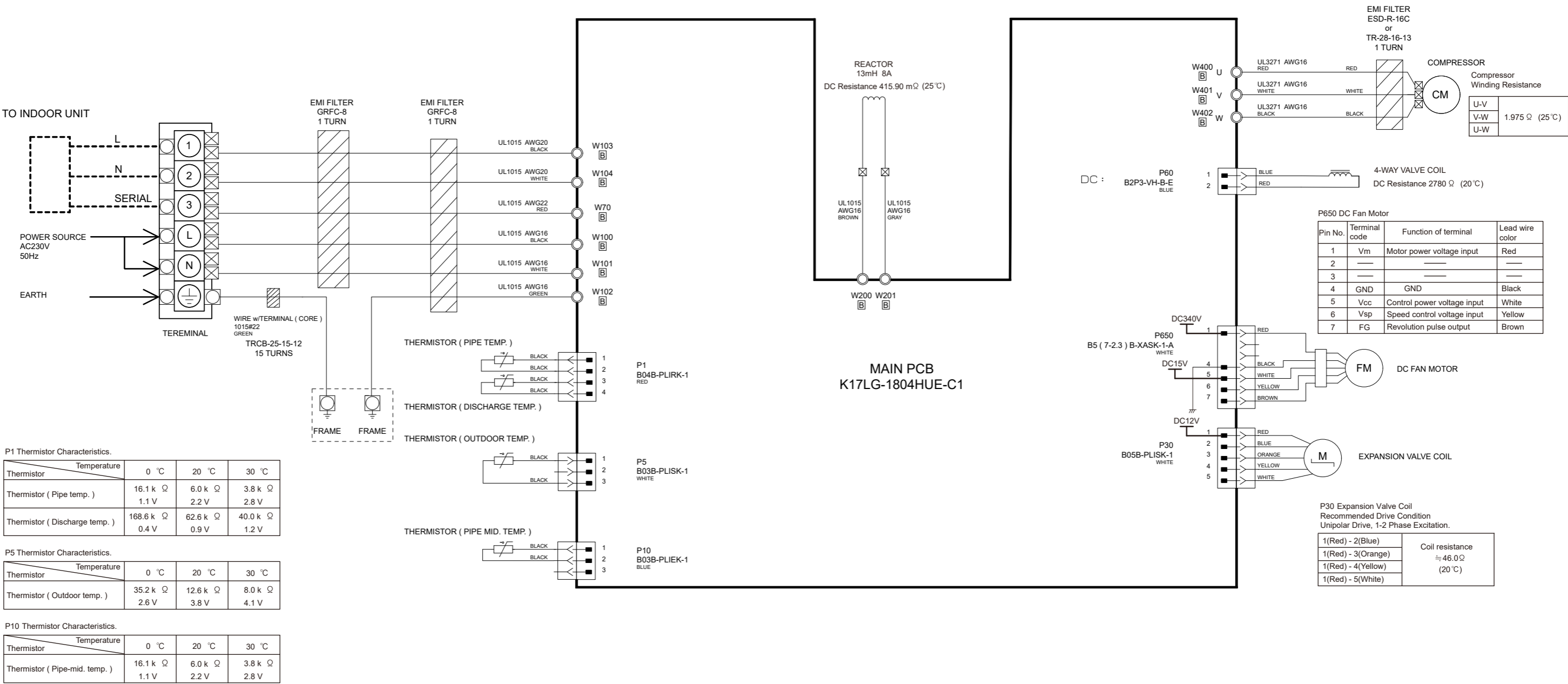
CONTROL UNIT
AUXG09KVLA : EZ-0181RHSE
AUXG12KVLA : EZ-0181SHSE
AUXG14KVLA : EZ-0181CHSE
AUXG18KVLA : EZ-0181THSE
AUXG22KVLA : EZ-01810HSE



OUTDOOR PRINTED CIRCUIT BOARD
CIRCUIT DIAGRAM

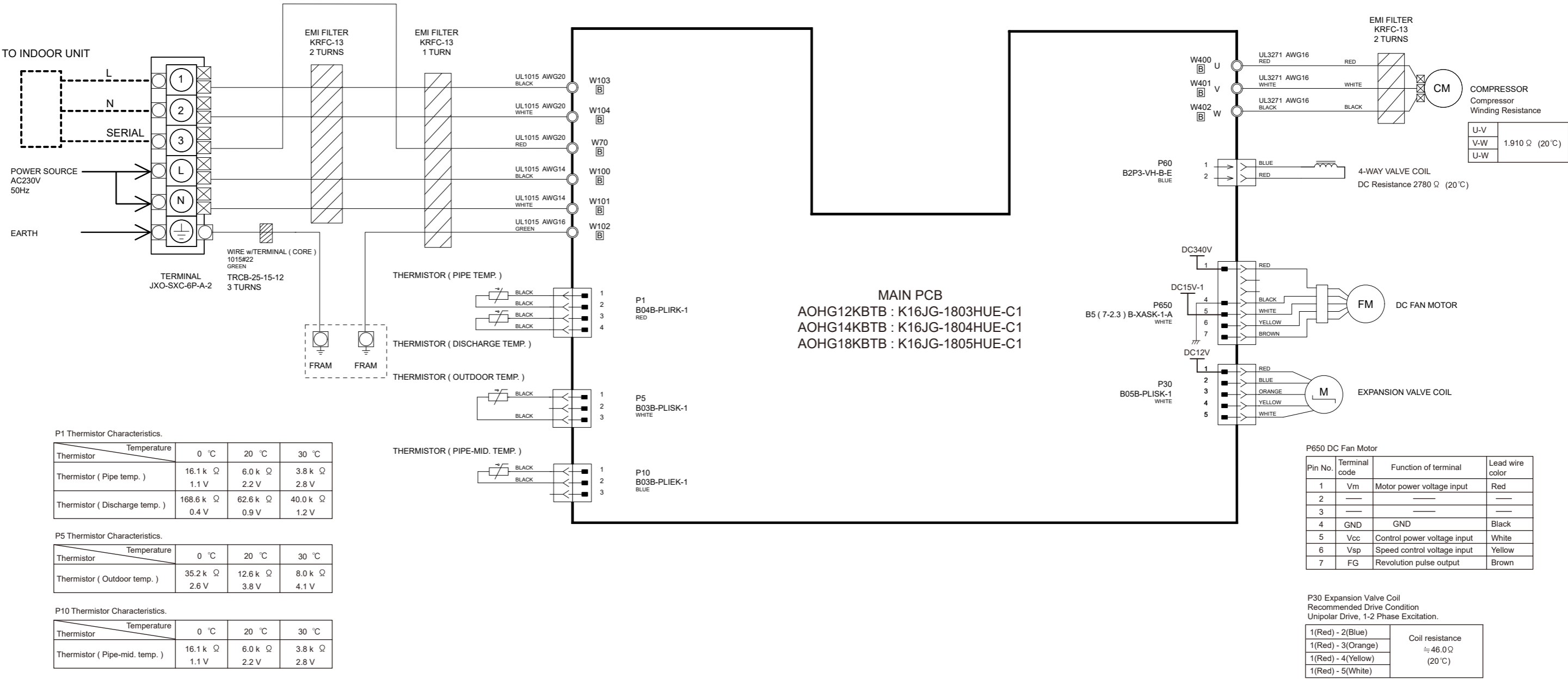
Model : AOHG09KBTB

INVERTER ASSEMBLY
EZ-018RHUE

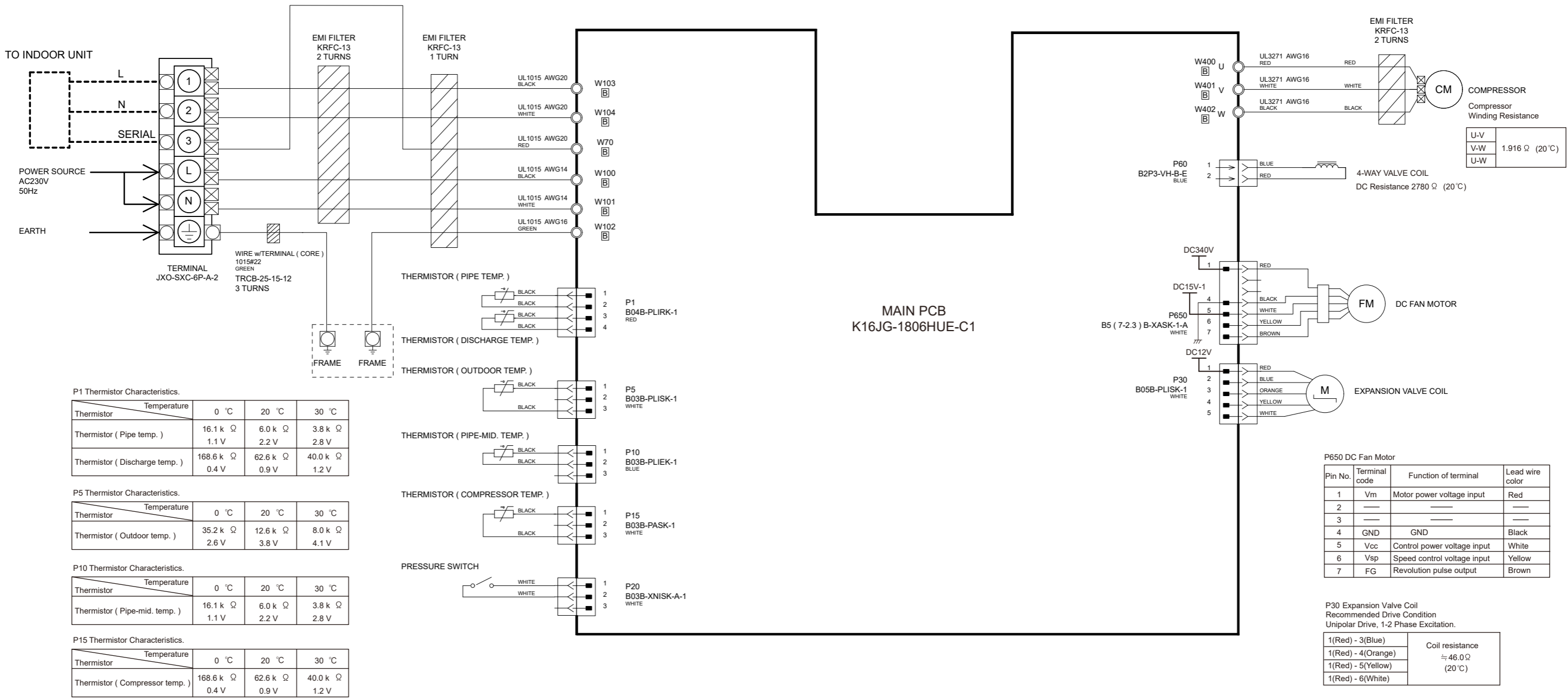


Models : AOHG12KBTB
AOHG14KBTB
AOHG18KBTB

INVERTER ASSEMBLY
AOHG12KBTB : EZ-018SHUE
AOHG14KBTB : EZ-018THUE
AOHG18KBTB : EZ-018THUE



INVERTER ASSEMBLY
EZ-0118YHUE



Error codes

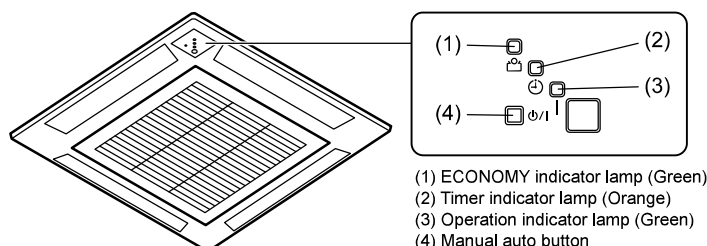
If you use a wireless remote controller, the lamp on the photo detector unit will output error codes by way of blinking patterns. If you use a wired remote controller, error codes will appear on the remote control display. Refer to the lamp blinking patterns and error codes in the table. An error display is displayed only during operation.

Error display			Error code	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
●(1)	●(1)	◇	11	Serial communication error
●(1)	●(2)	◇	12	• Wired remote controller communication error • Server room control communication error
●(1)	●(5)	◇	15	Check run unfinished Automatic airflow adjustment error
●(1)	●(6)	◇	16	Peripheral unit transmission PCB connection error
●(1)	●(8)	◇	18	External communication error
●(2)	●(1)	◇	21	Unit number or Refrigerant circuit address setting error [Simultaneous Multi]
●(2)	●(2)	◇	22	Indoor unit capacity error
●(2)	●(3)	◇	23	Combination error
●(2)	●(4)	◇	24	• Connection unit number error (indoor secondary unit) [Simultaneous Multi] • Connection unit number error (indoor unit or branch unit) [Flexible Multi]
●(2)	●(6)	◇	26	Indoor unit address setting error
●(2)	●(7)	◇	27	Primary unit, secondary unit setup error [Simultaneous Multi]
●(2)	●(9)	◇	29	Connection unit number error in wired remote controller system
●(3)	●(1)	◇	31	Power supply interruption error
●(3)	●(2)	◇	32	Indoor unit PCB model information error
●(3)	●(3)	◇	33	Indoor unit motor electricity consumption detection error
●(3)	●(5)	◇	35	Manual auto switch error
●(3)	●(9)	◇	39	Indoor unit power supply error for fan motor
●(3)	●(10)	◇	3A	Indoor unit communication circuit (wired remote controller) error
●(4)	●(1)	◇	41	Room temp. sensor error
●(4)	●(2)	◇	42	Indoor unit heat ex. middle temp. sensor error
●(4)	●(4)	◇	44	Human sensor error
●(5)	●(1)	◇	51	Indoor unit fan motor error
●(5)	●(3)	◇	53	Drain pump error
●(5)	●(4)	◇	54	Electric air cleaner reverse VDD error
●(5)	●(5)	◇	55	Filter set error
●(5)	●(7)	◇	57	Damper error
●(5)	●(8)	◇	58	Intake grille error
●(5)	●(9)	◇	59	Indoor unit fan motor 2 error (Left side fan)
●(5)	●(10)	◇	5A	Indoor unit fan motor 3 error (Right side fan)
●(5)	●(15)	◇	5U	Indoor unit error

Error display			Error code	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
●(6)	●(1)	◇	61	Outdoor unit reverse/missing phase and wiring error
●(6)	●(2)	◇	62	Outdoor unit main PCB model information error or communication error
●(6)	●(3)	◇	63	Inverter error
●(6)	●(4)	◇	64	Active filter error, PFC circuit error
●(6)	●(5)	◇	65	Trip terminal L error
●(6)	●(8)	◇	68	Outdoor unit rush current limiting resistor temp. rise error
●(6)	●(10)	◇	6A	Display PCB microcomputers communication error
●(7)	●(1)	◇	71	Discharge temp. sensor error
●(7)	●(2)	◇	72	Compressor temp. sensor error
●(7)	●(3)	◇	73	Outdoor unit Heat Ex. liquid temp. sensor error
●(7)	●(4)	◇	74	Outdoor temp. sensor error
●(7)	●(5)	◇	75	Suction Gas temp. sensor error
●(7)	●(6)	◇	76	• 2-way valve temp. sensor error • 3-way valve temp. sensor error
●(7)	●(7)	◇	77	Heat sink temp. sensor error
●(8)	●(2)	◇	82	• Sub-cool Heat Ex. gas inlet temp. sensor error • Sub-cool Heat Ex. gas outlet temp. sensor error
●(8)	●(3)	◇	83	Liquid pipe temp. sensor error
●(8)	●(4)	◇	84	Current sensor error
●(8)	●(6)	◇	86	• Discharge pressure sensor error • Suction pressure sensor error • High pressure switch error
●(9)	●(4)	◇	94	Trip detection
●(9)	●(5)	◇	95	Compressor rotor position detection error (permanent stop)
●(9)	●(7)	◇	97	Outdoor unit fan motor 1 error
●(9)	●(8)	◇	98	Outdoor unit fan motor 2 error
●(9)	●(9)	◇	99	4-way valve error
●(9)	●(10)	◇	9A	Coil (expansion valve) error
●(10)	●(1)	◇	A1	Discharge temp. error
●(10)	●(3)	◇	A3	Compressor temp. error
●(10)	●(4)	◇	A4	High pressure error
●(10)	●(5)	◇	A5	Low pressure error
●(13)	●(2)	◇	12	Branch boxes error [Flexible Multi]

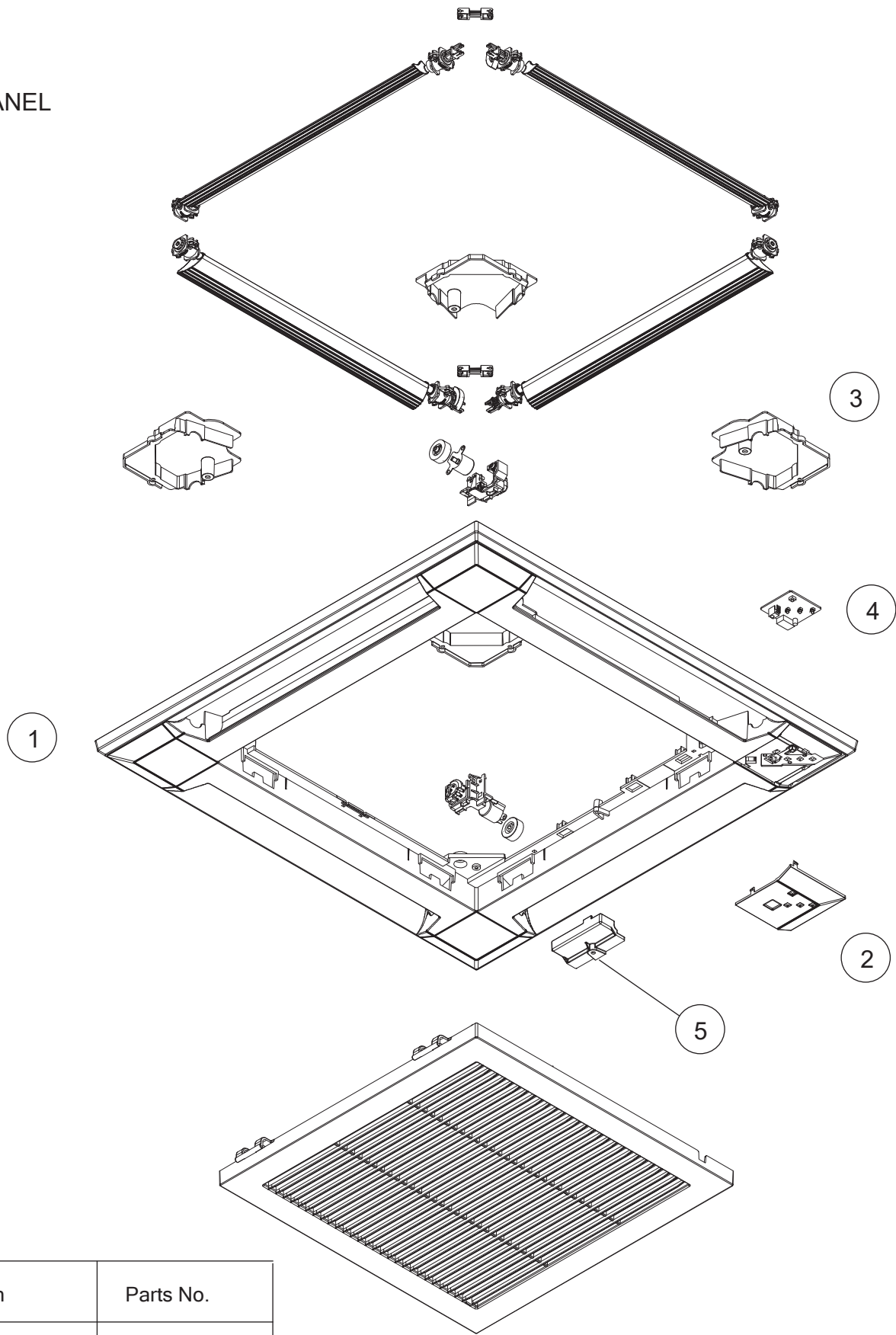
Display mode ● : 0.5s ON / 0.5s OFF
◇ : 0.1s ON / 0.1s OFF
() : Number of flashing

■ Error display on the indoor unit



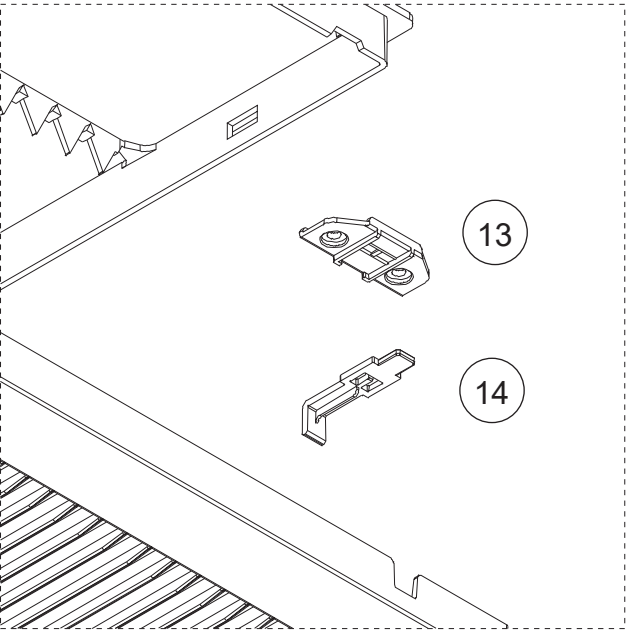
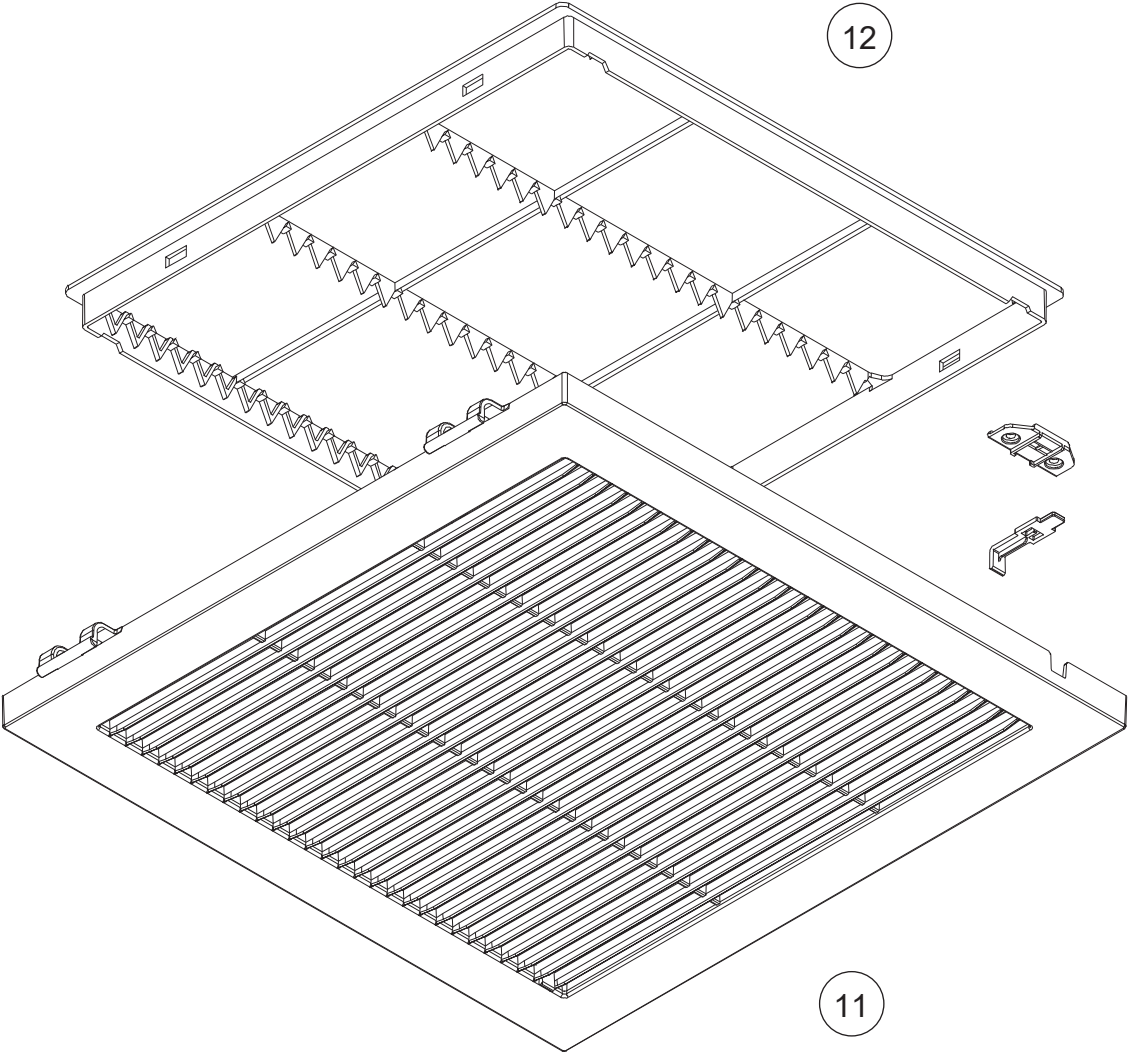
Parts

DECORATION PANEL
UTG-UFYF-W



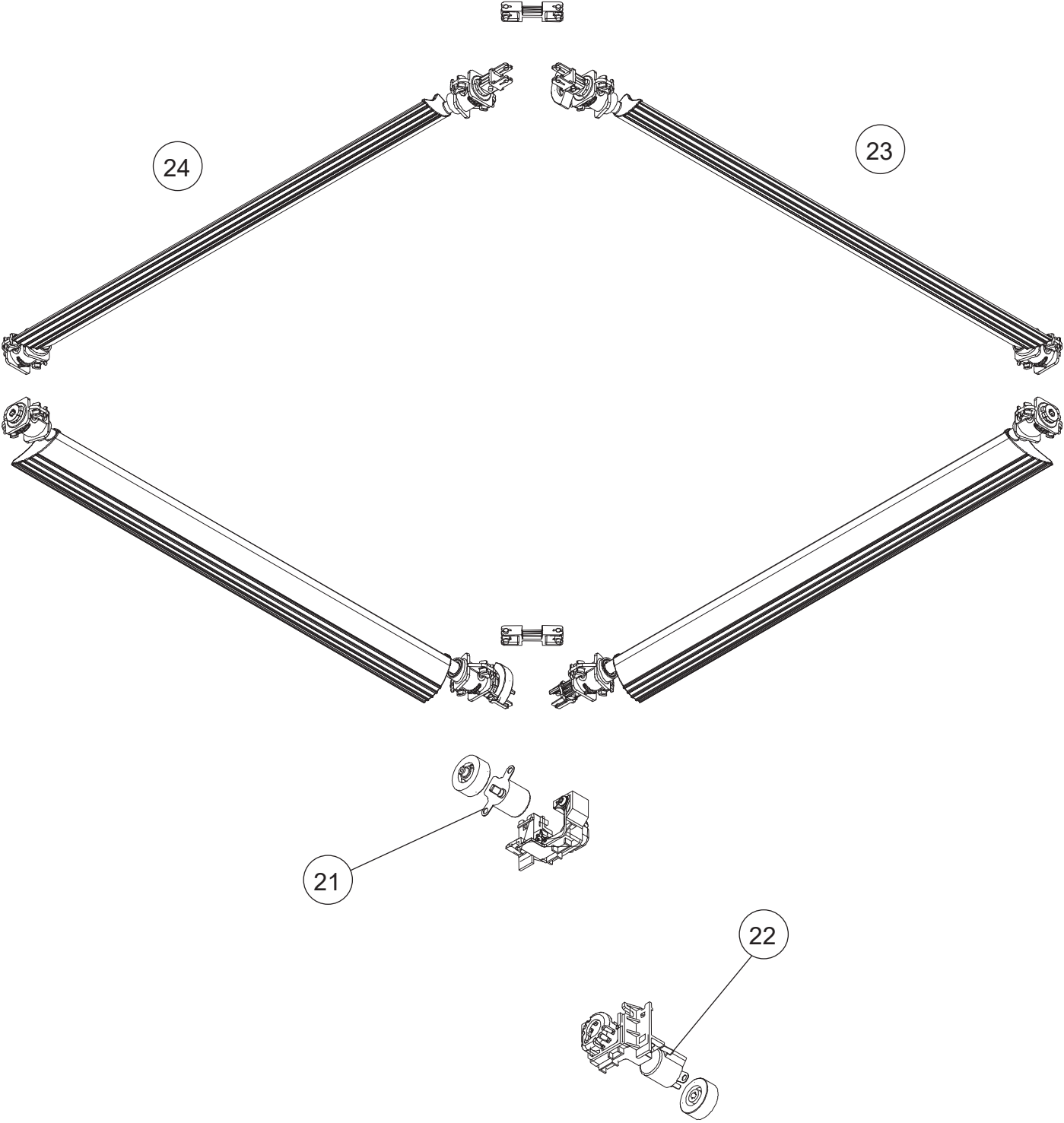
Ref	Description	Parts No.
1	Decoration Panel without Insulations	9382821005
2	Display panel assy	9383100031
3	Panel Cover without Insulations	9375530013
4	Indicator PCB	9711310002
5	Connector Cover	9375549015

DECORATION PANEL
UTG-UFYF-W
Intake grille assy



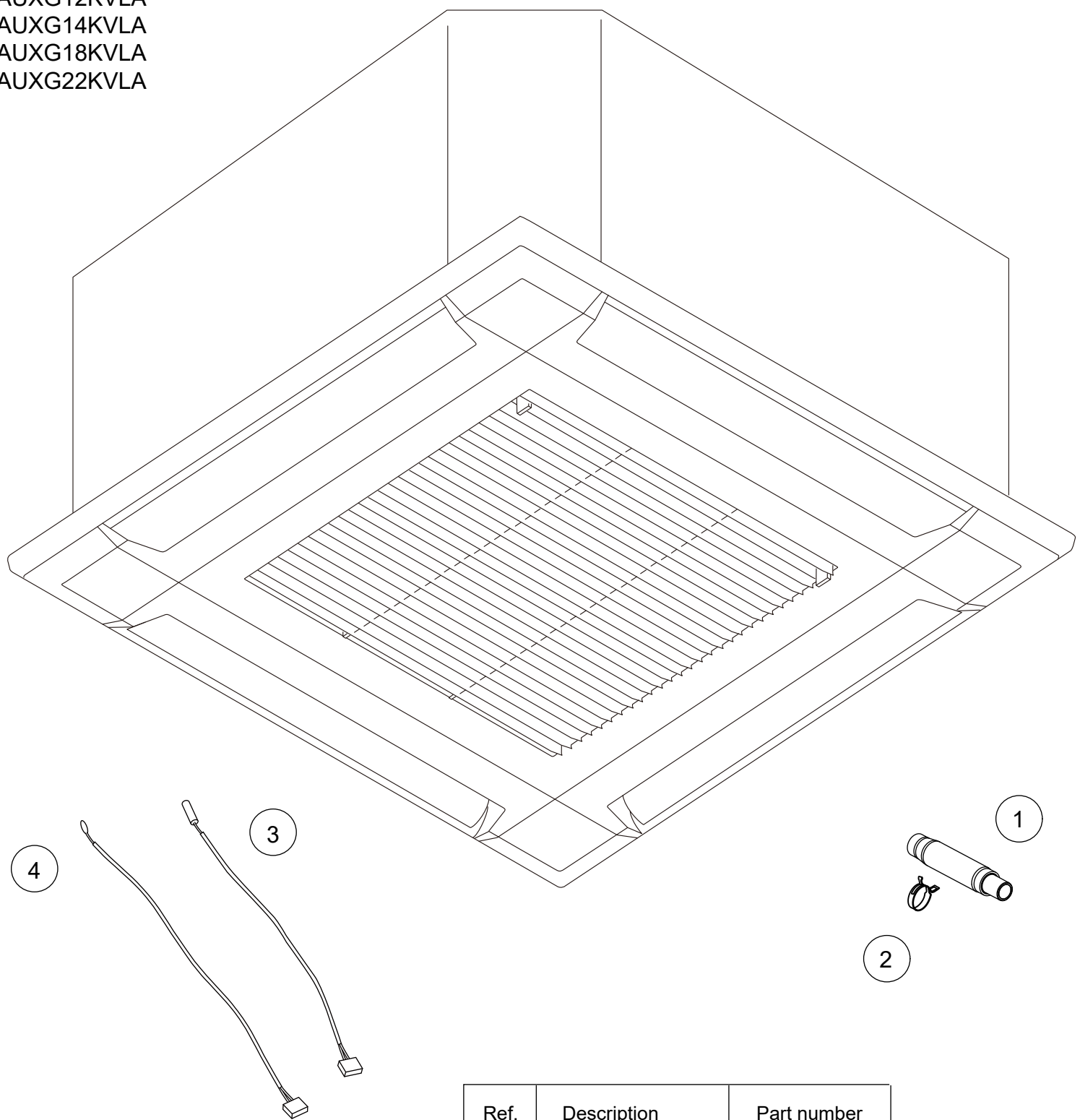
Ref	Description	Parts No.
11	Intake grille	9382863005
12	Long Life Filter	9375533014
13	Hook bracket	9375546014
14	Grille hook	9375532031

DECORATION PANEL
UTG-UFYF-W



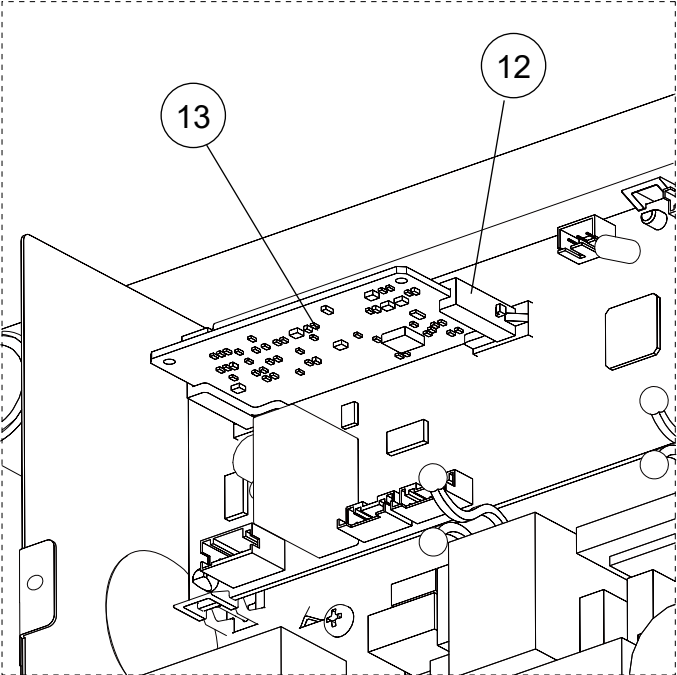
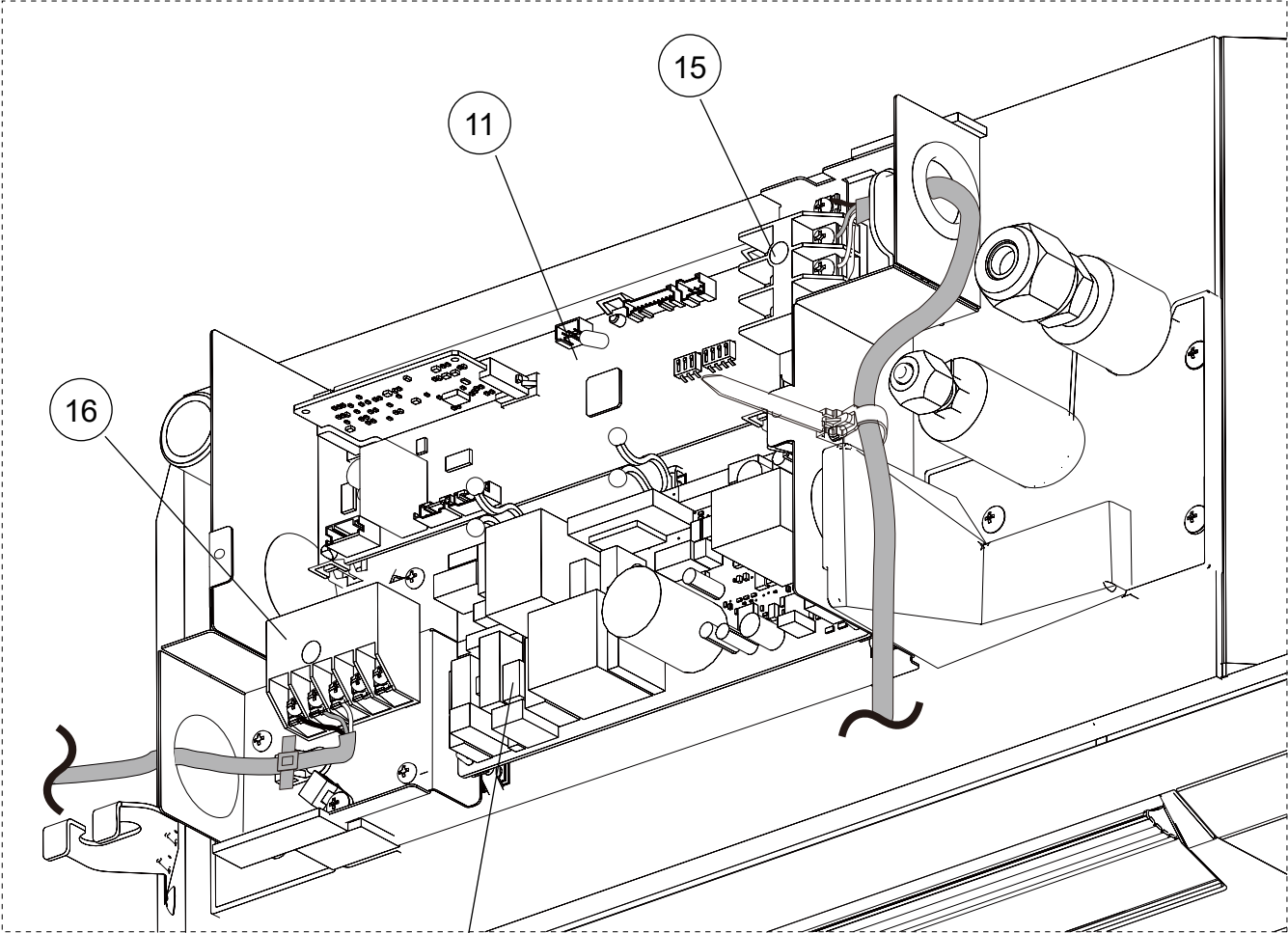
Ref	Description	Parts No.
21	Step Motor (White connector)	9900139070
22	Step Motor (Red connector)	9900139087
23	Flap assy A	9375727048
24	Flap assy B	9377759047

INDOOR UNIT
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA



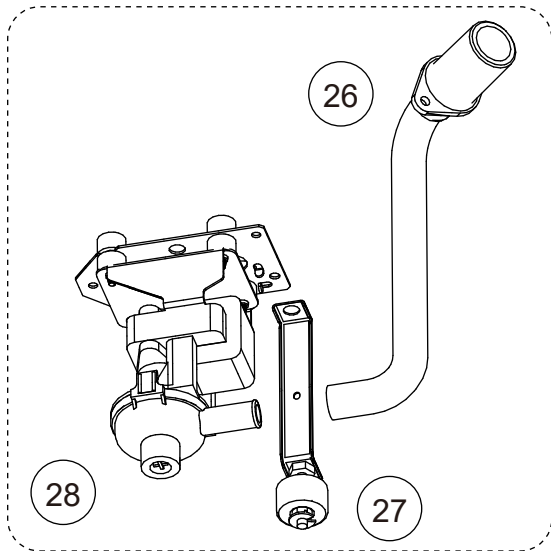
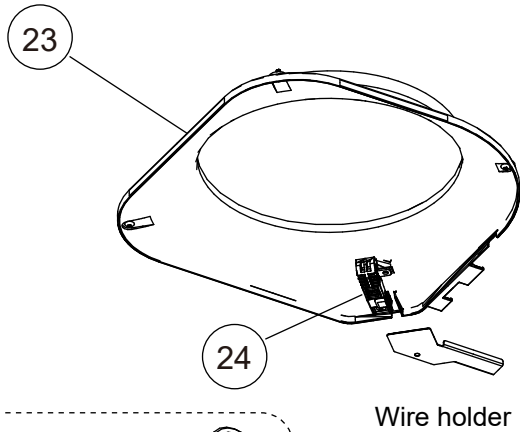
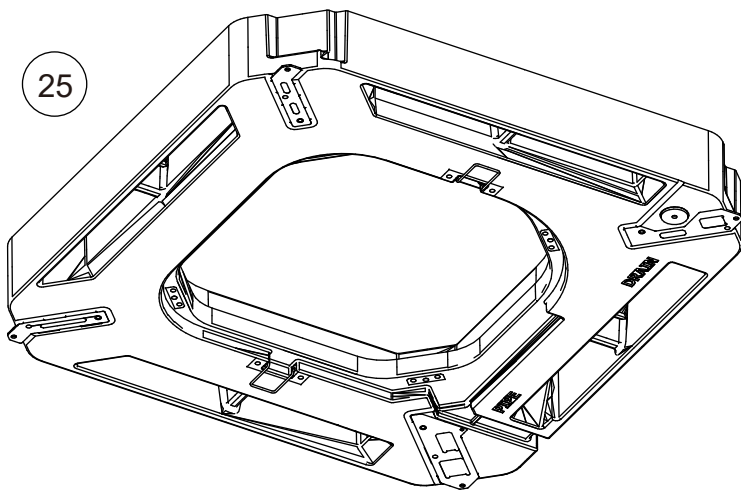
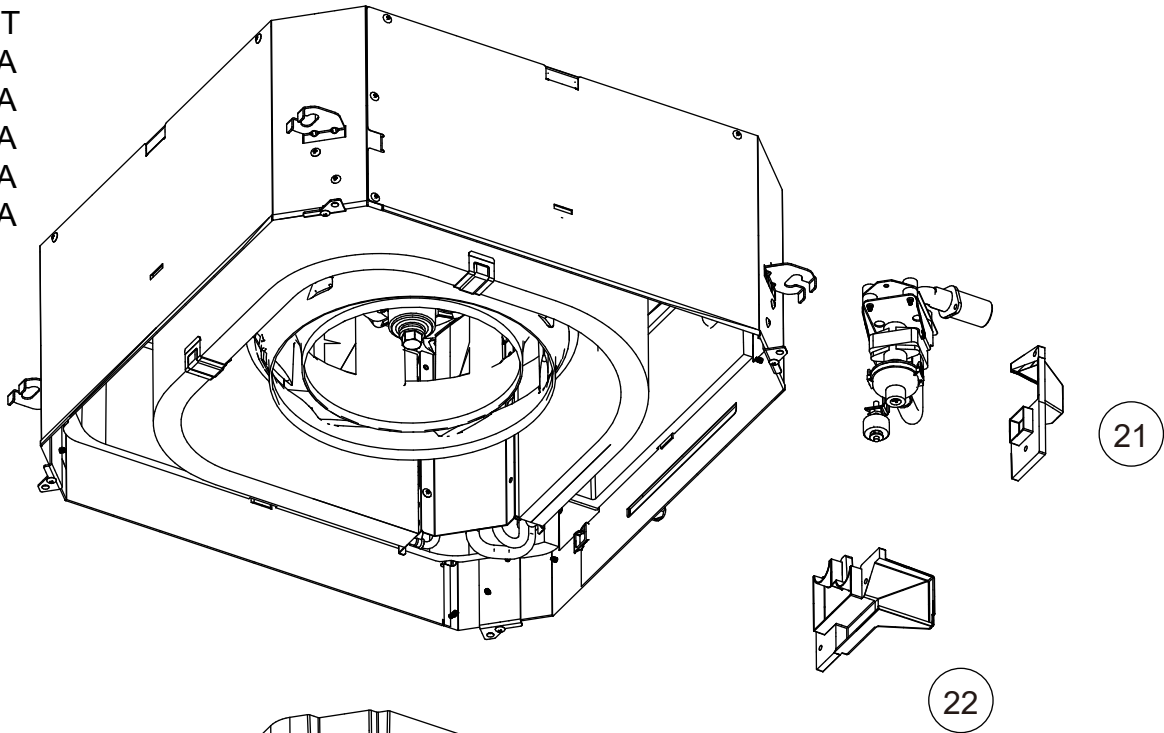
Ref.	Description	Part number
1	Drain hose	9379665001
2	Hose band	9379757010
3	Pipe Thermistor	9900942038
4	Room Thermistor	9900826000

INDOOR UNIT
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA



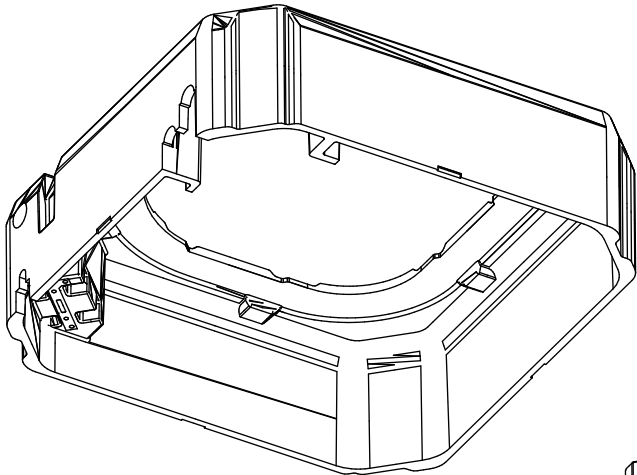
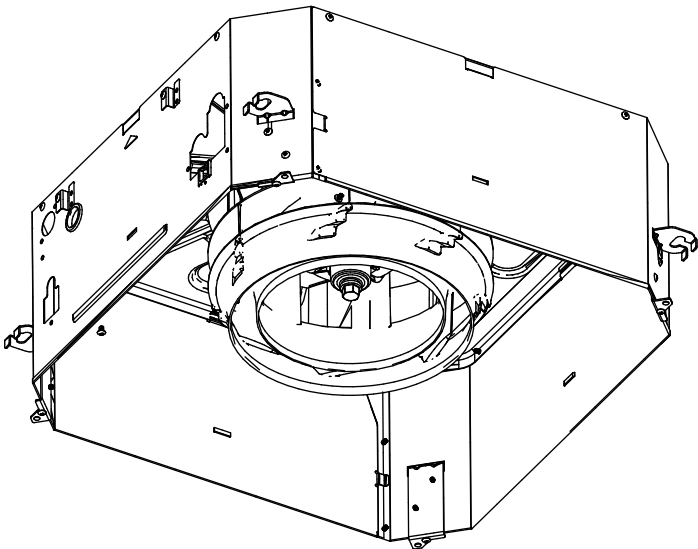
Ref.	Description	Part number
11	Main PCB (AUXG09KVLA)	9710995743
11	Main PCB (AUXG12KVLA)	9710995750
11	Main PCB (AUXG14KVLA)	9710995705
11	Main PCB (AUXG18KVLA)	9710995767
11	Main PCB (AUXG22KVLA)	9710995613
12	Holder	0600063023
13	Communication PCB	9710019005
14	Power supply PCB	9710661006
15	Terminal	9900568009
16	Terminal	9900896003

INDOOR UNIT
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA

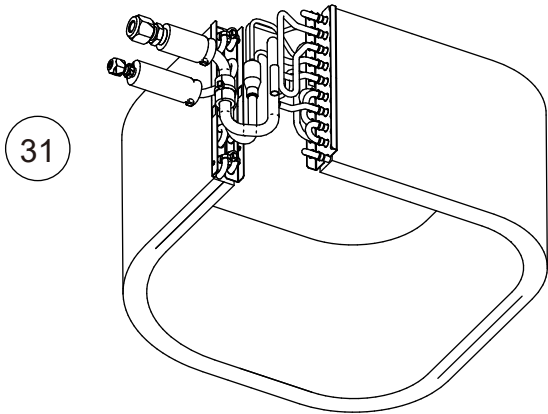


Ref.	Description	Part number
21	Wire cover	9375516017
22	Pipe cover	9375515010
23	Bellmouth	9375503017
24	Thermistor holder	9375477011
25	Drain pan sub assy (09,12,14,18)	9377765024
25	Drain pan sub assy (22)	9377765017
26	Drain port sub assy	9375718015
27	Float switch sub assy	9375721046
28	Drain pump sub assy	9375717025

INDOOR UNIT
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA



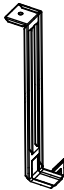
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31



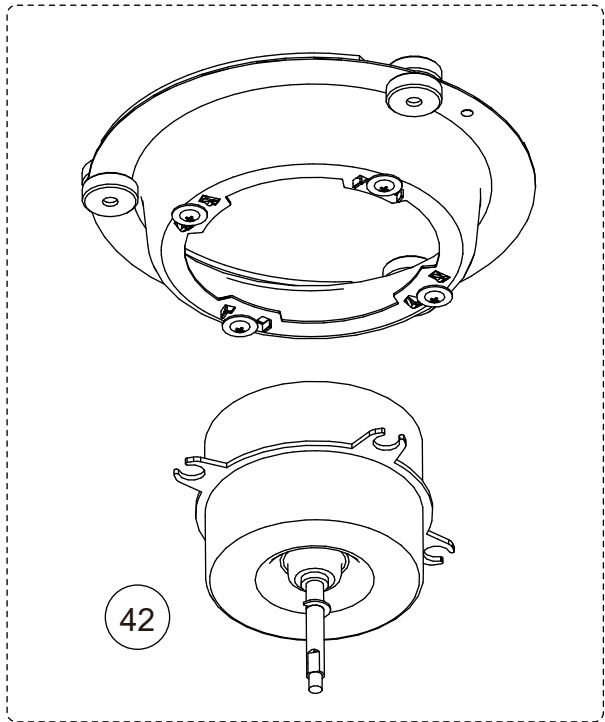
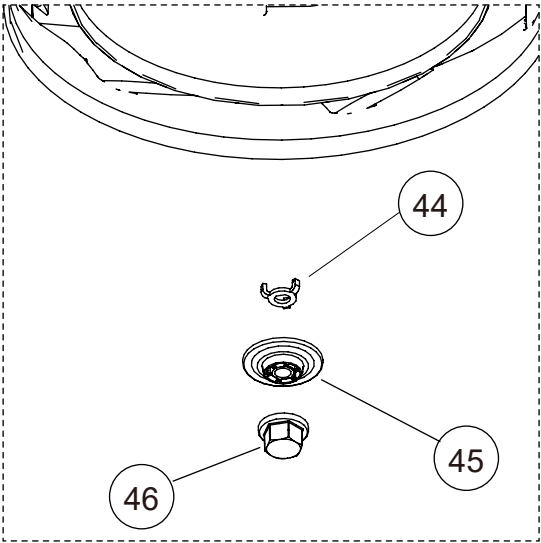
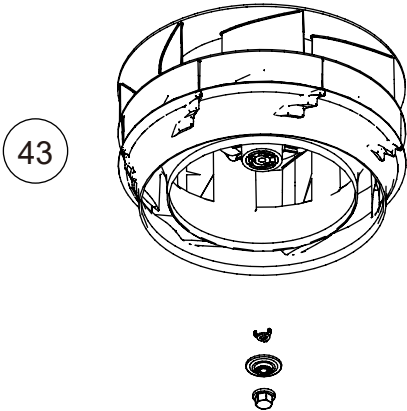
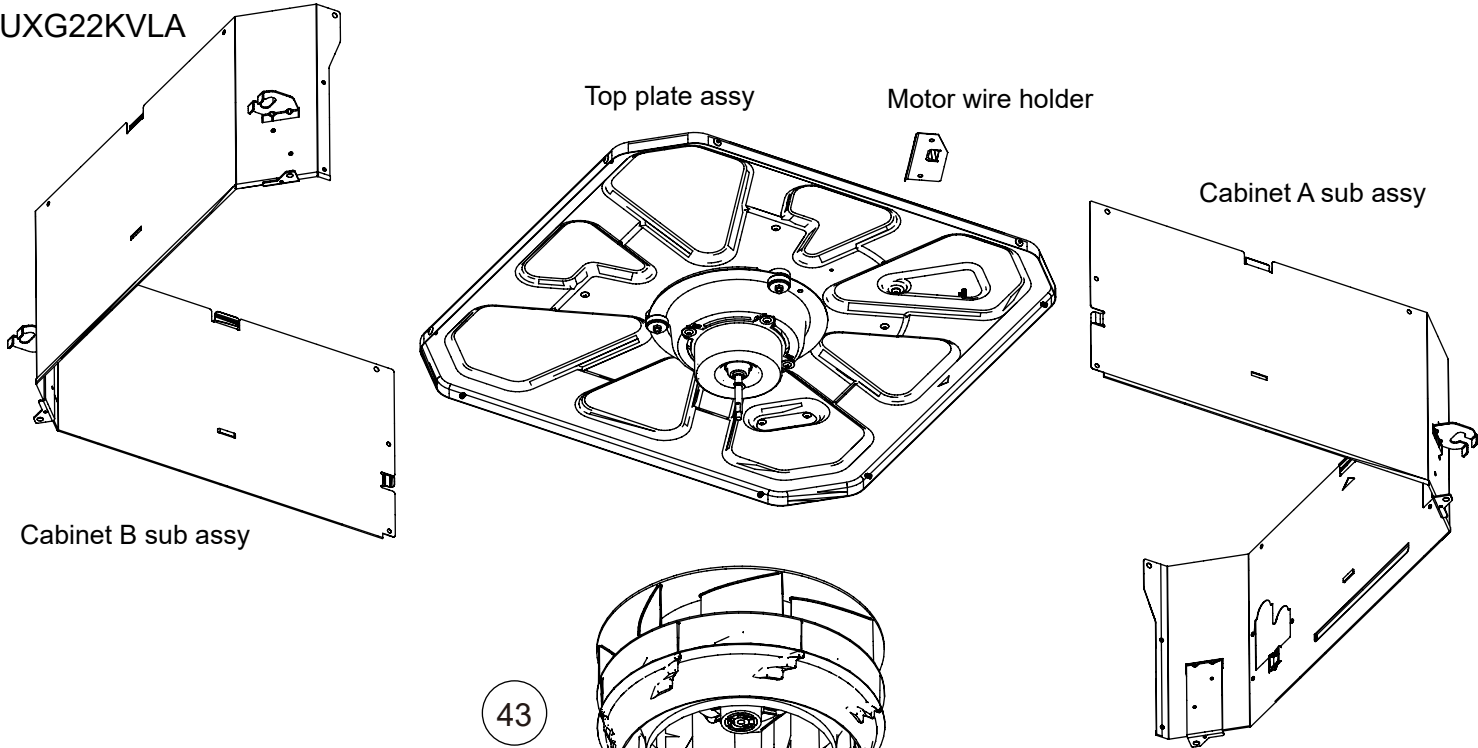
Separate wall



Evaporator holder 2 row

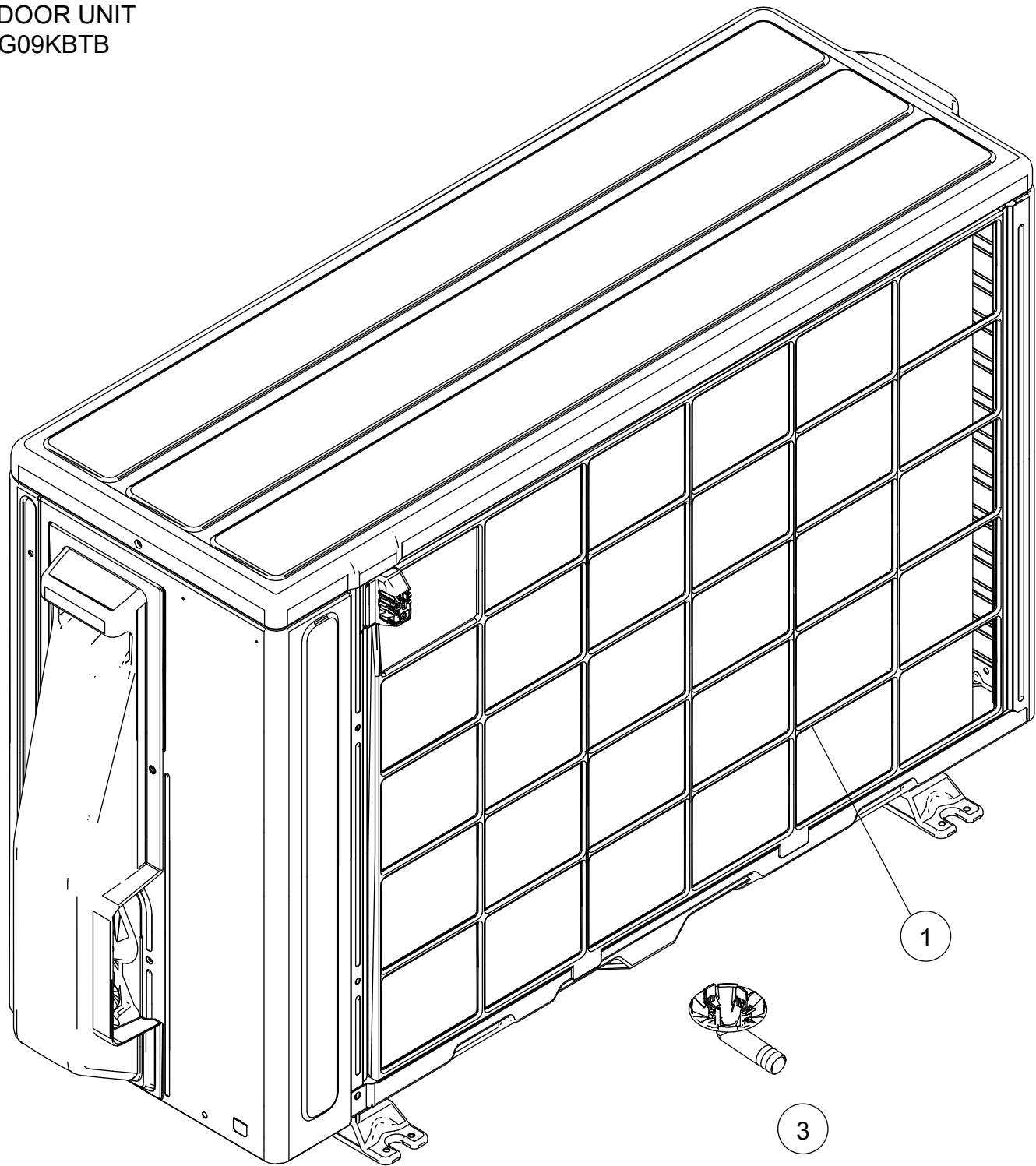
Ref.	Description	Part number
31	Evaporator sub assy (AUXG09, 12KVLA)	9375720230
31	Evaporator sub assy (AUXG14KVLA)	9375720223
31	Evaporator sub assy (AUXG18KVLA)	9375720247
31	Evaporator sub assy (AUXG22KVLA)	9375720216
32	Insulation box sub assy (09,12,14,18)	9377764065
32	Insulation box sub assy (22)	9377764058

INDOOR UNIT
AUXG09KVLA
AUXG12KVLA
AUXG14KVLA
AUXG18KVLA
AUXG22KVLA



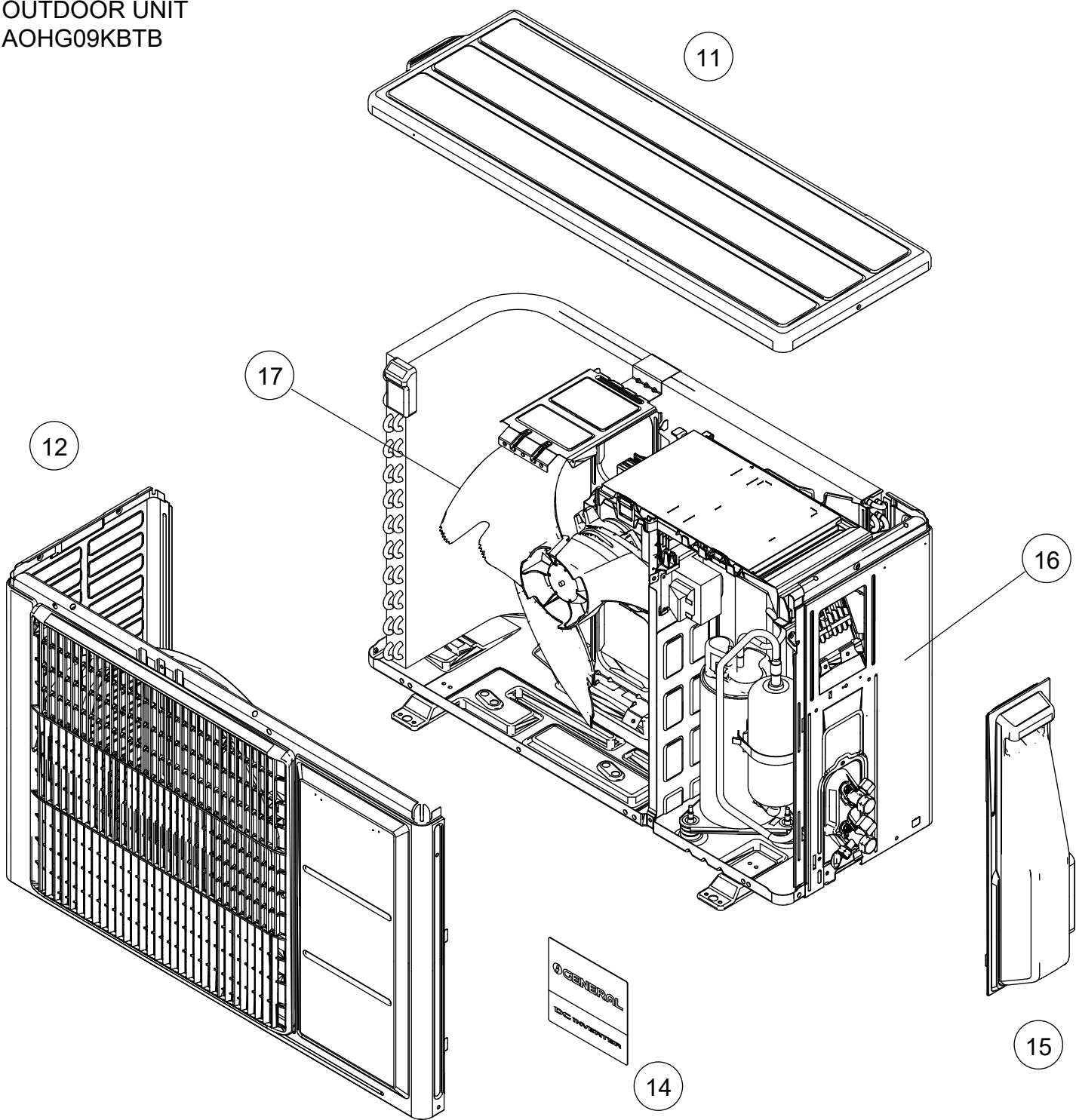
Ref.	Description	Part number
41	Fan motor sub assy	9375719012
42	Fan motor	9602436019
43	2 stage turbo fan assy	9375480011
44	Turbo fan washer	9375487010
45	Washer cover	9377811011
46	Shaft cap	9377807014

OUTDOOR UNIT
AOHG09KBTB

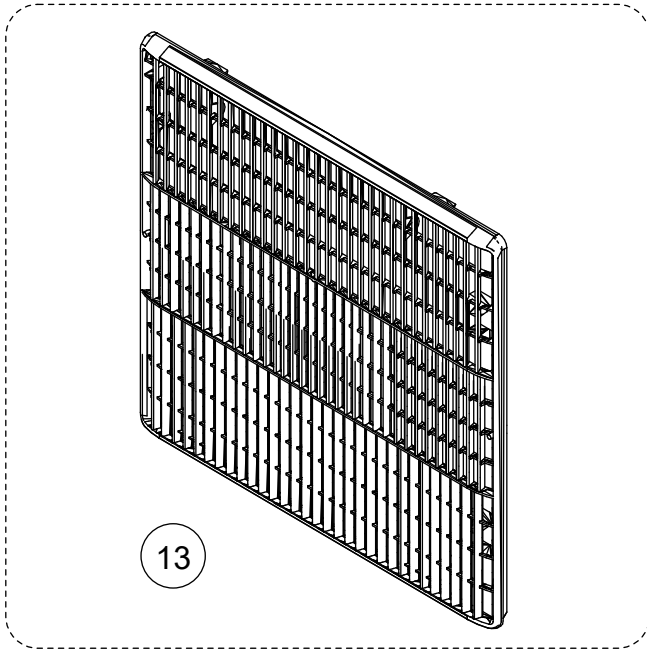


Ref.	Description	Part number
1	Protective net assy	9322811011
2	Outdoor thermistor	9900565060
3	Drain pipe	9322144003

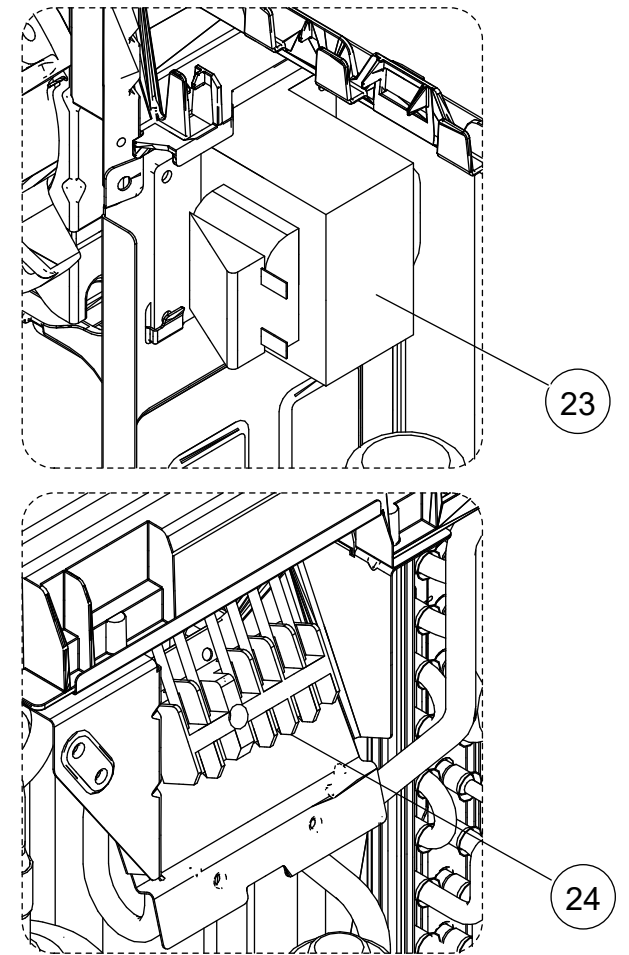
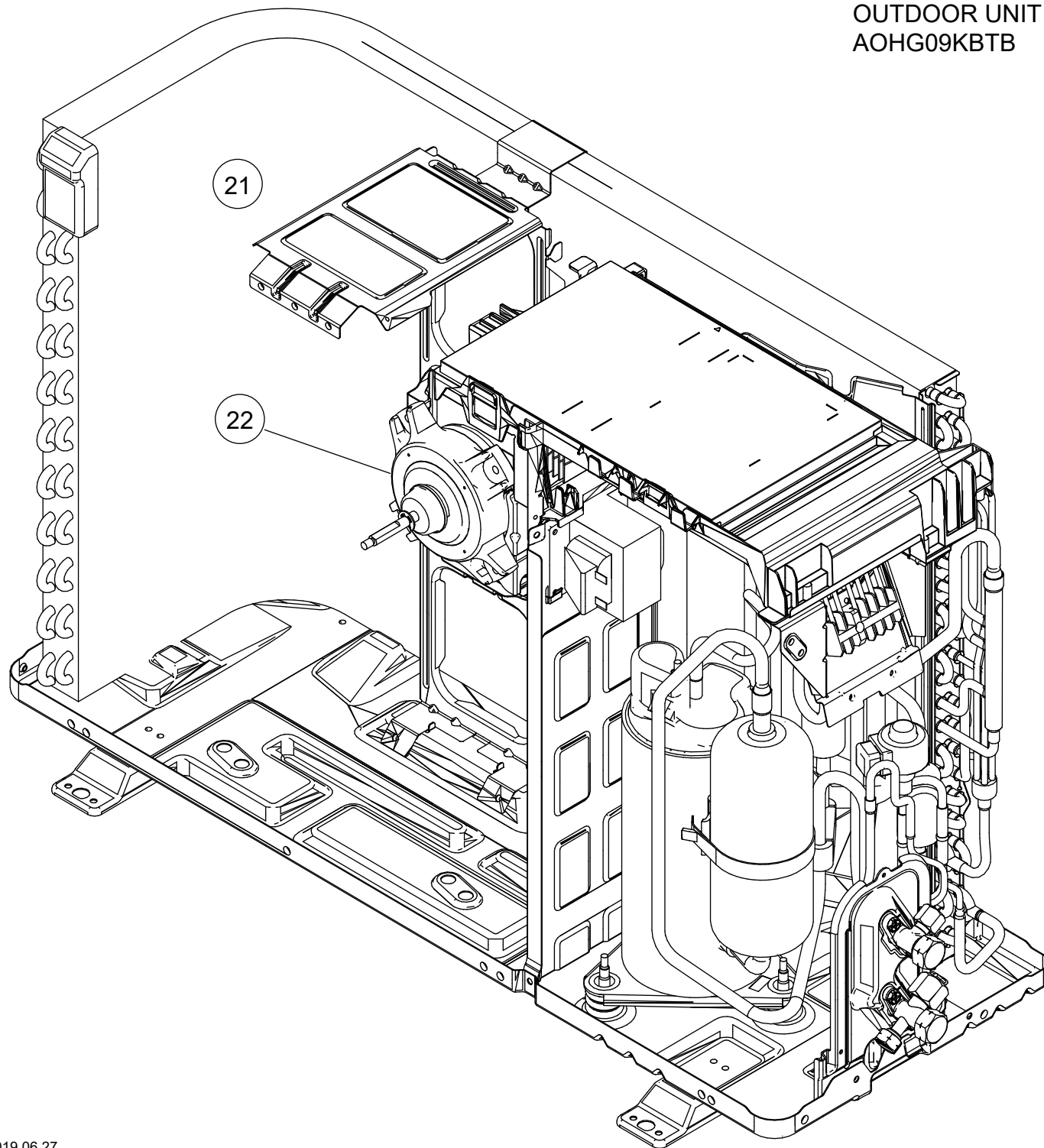
OUTDOOR UNIT
AOHG09KBTB



Ref.	Description	Part number
11	Top panel assy	9322556028
12	Front panel assy	9322555014
13	Blow grille	9322135001
14	Emblem	9319157009
15	Switch cover assy	9322570000
16	Cabinet right assy	9322552020
17	Propeller fan	9322136008

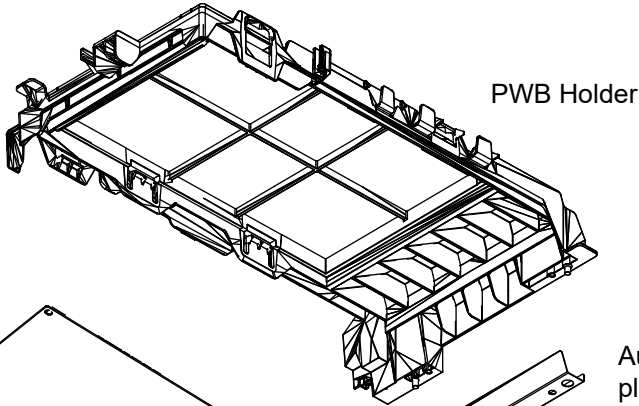
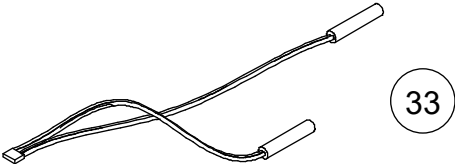
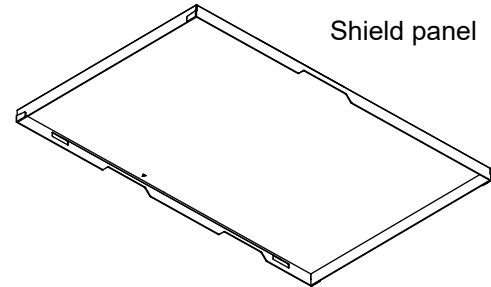


OUTDOOR UNIT AOHG09KBTB

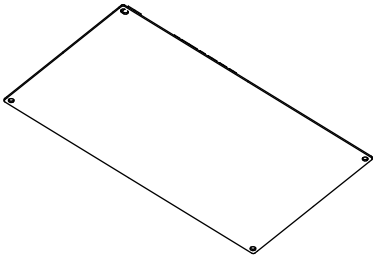


Ref.	Description	Part number
21	Motor bracket assy	9322553010
22	Brushless motor	9603657017
23	Reactor assy	9900583019
24	Terminal	9900435028

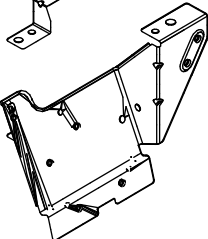
OUTDOOR UNIT
AOHG09KBTB



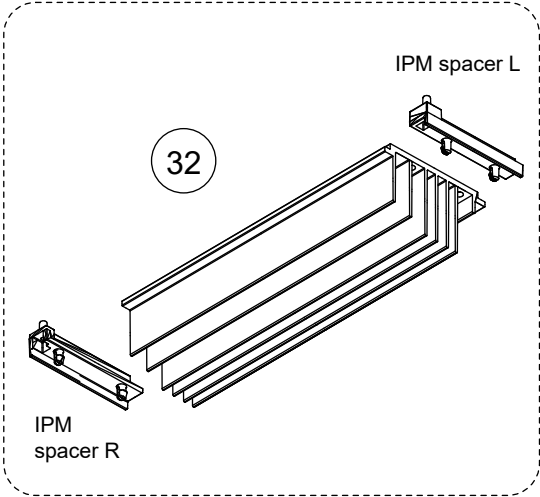
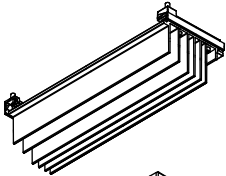
31



Auxiliary plate

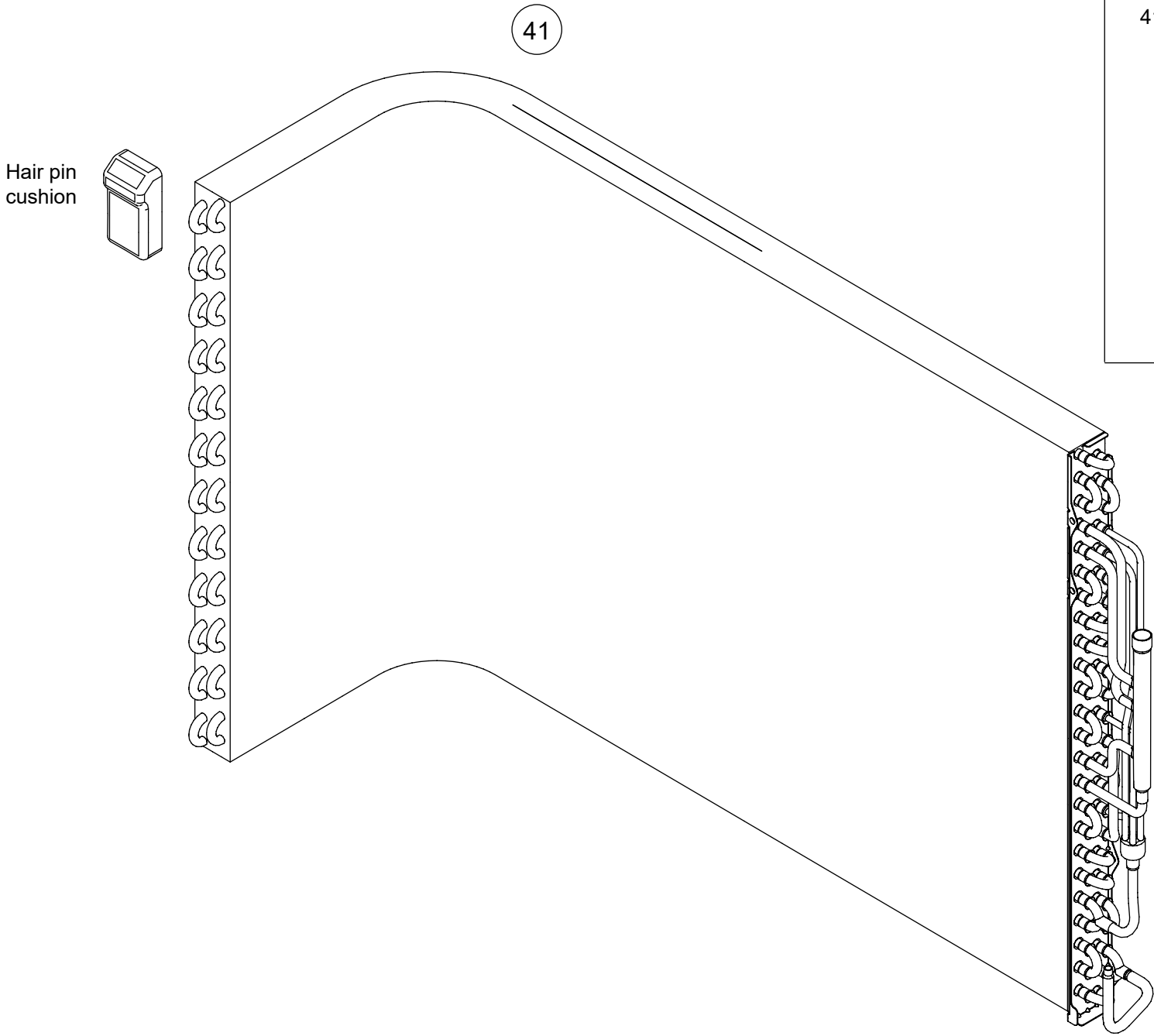


Terminal bracket assy

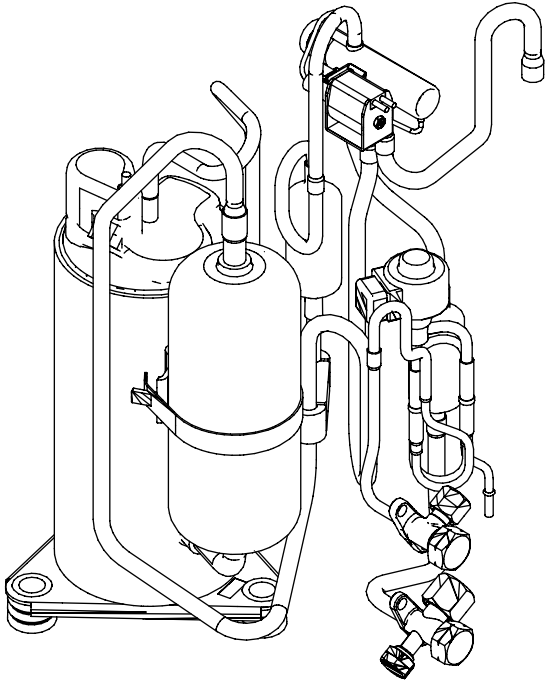


Ref.	Description	Part number
31	Main PCB	9709685310
32	Heatsink	9322418005
33	Thermistor assy	9900727062
---	Heat exchanger thermistor	9900984014

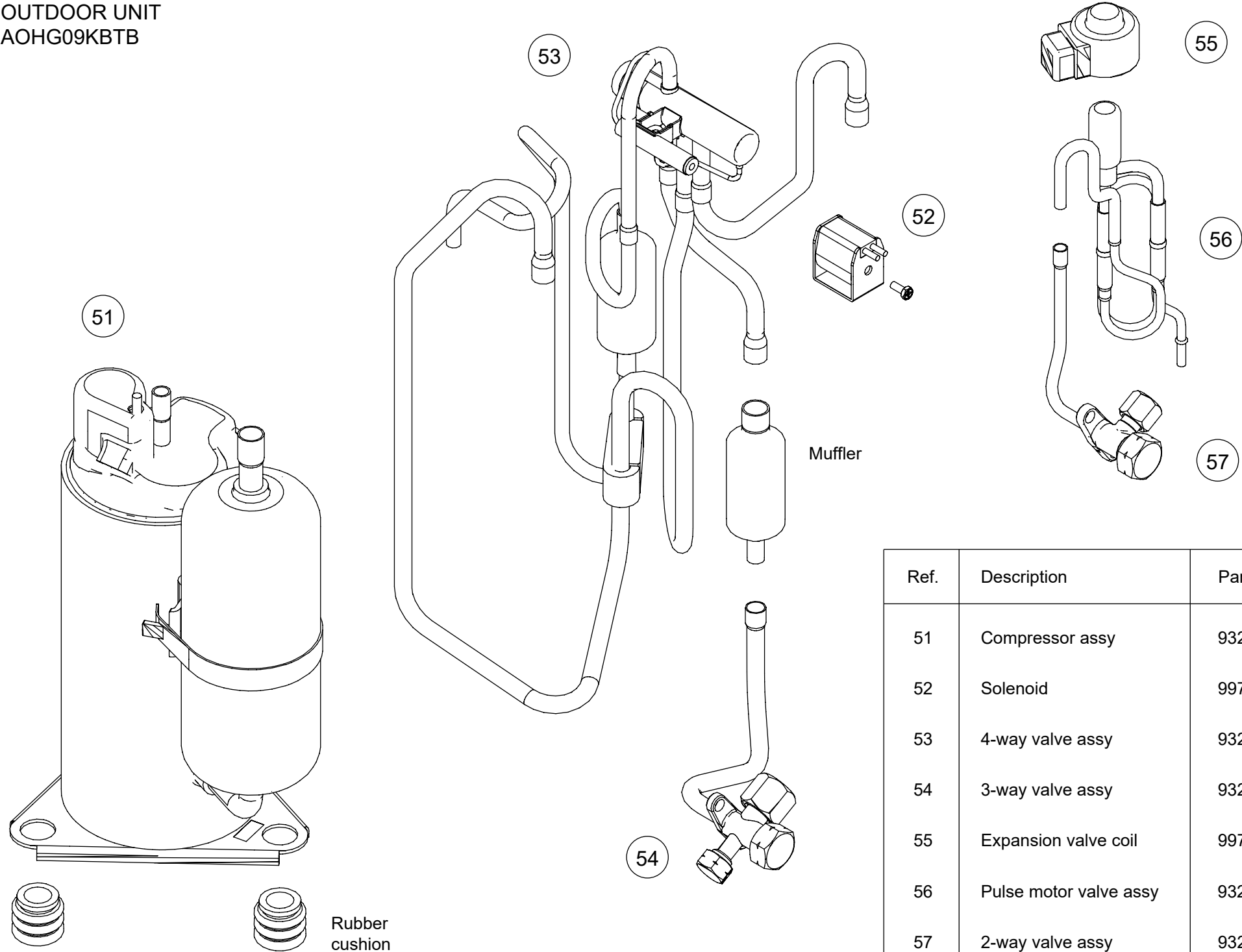
OUTDOOR UNIT
AOHG09KBTB



Ref.	Description	Part number
41	Heat exchanger unit (Condenser total assy+ Thermistor holder pipe+ Hair pin cushion)	9323834132
-	S-insulator B	9322535009
-	S-insulator F	9322536006
-	S-insulator H	9322537003
-	S-insulator V	9323045002

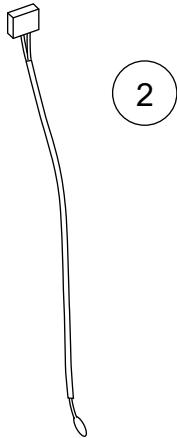
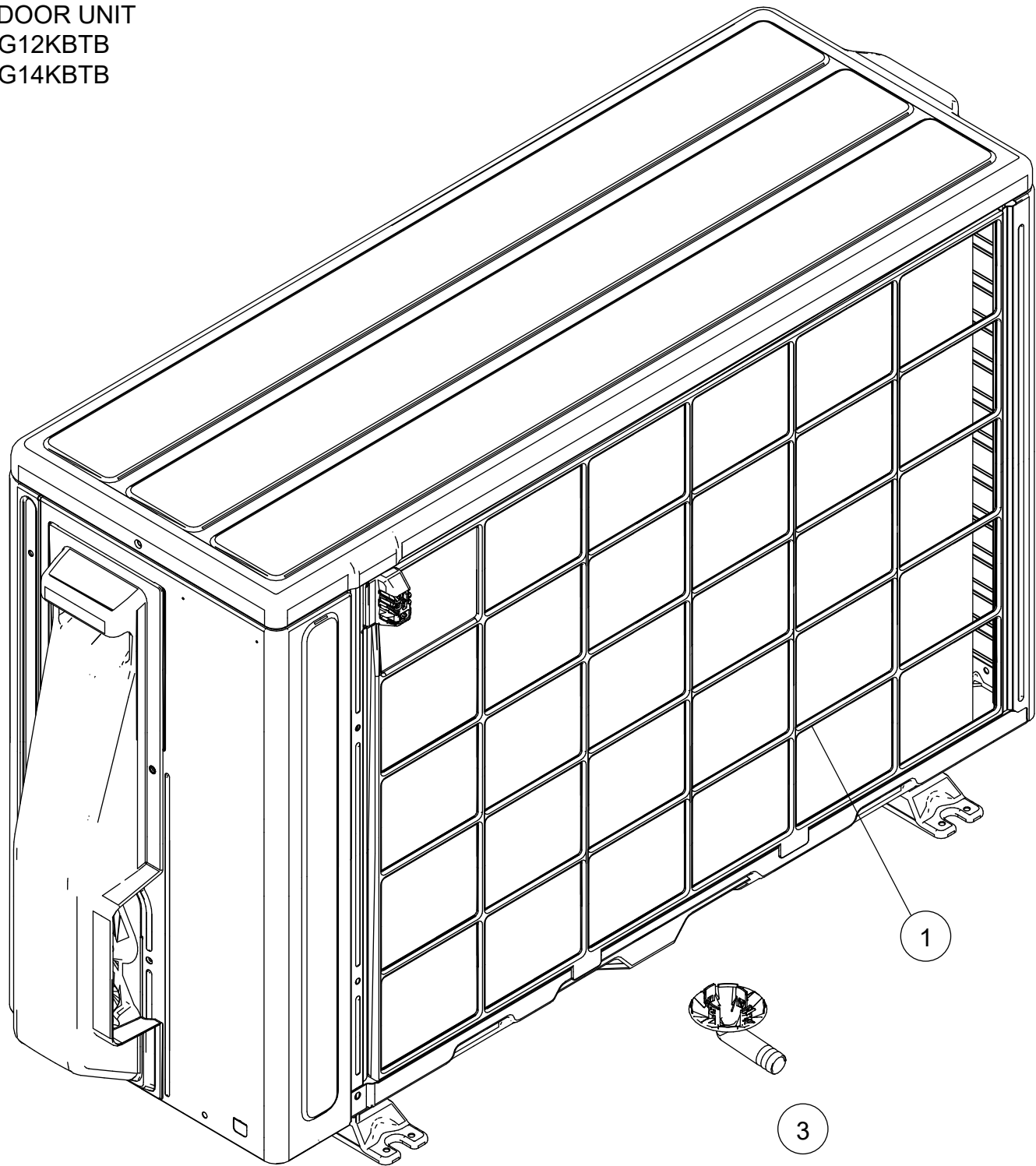


OUTDOOR UNIT
AOHG09KBTB



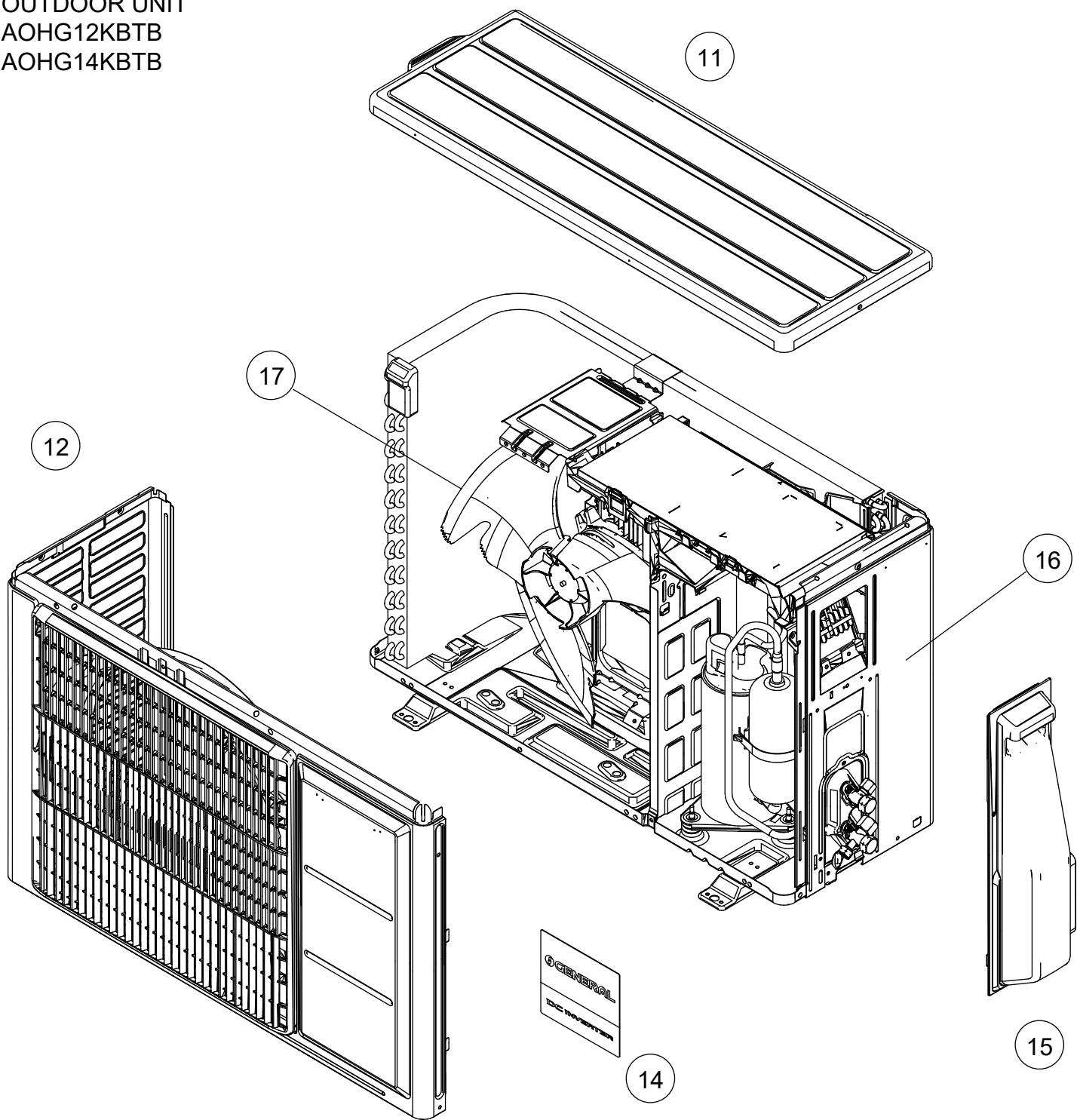
Ref.	Description	Part number
51	Compressor assy	9322427007
52	Solenoid	9970195006
53	4-way valve assy	9322444004
54	3-way valve assy	9322475008
55	Expansion valve coil	9970173028
56	Pulse motor valve assy	9322463029
57	2-way valve assy	9322474001

OUTDOOR UNIT
AOHG12KBTB
AOHG14KBTB

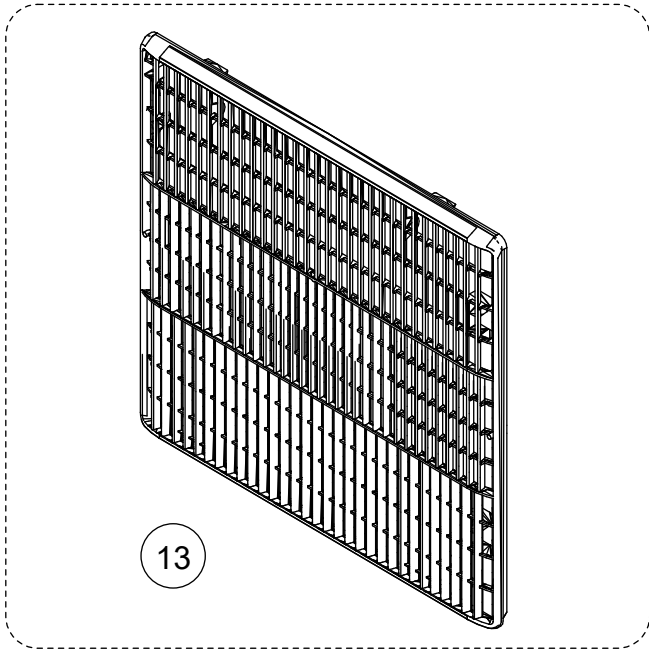


Ref.	Description	Part number
1	Protective net assy	9322811011
2	Outdoor thermistor	9900565060
3	Drain pipe	9322144003

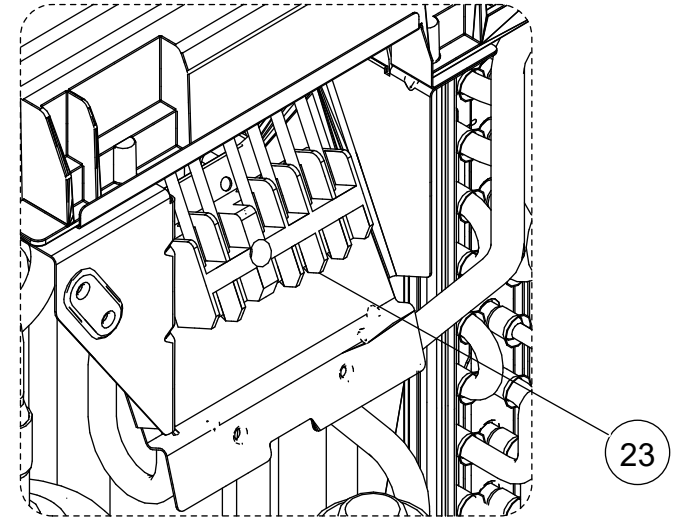
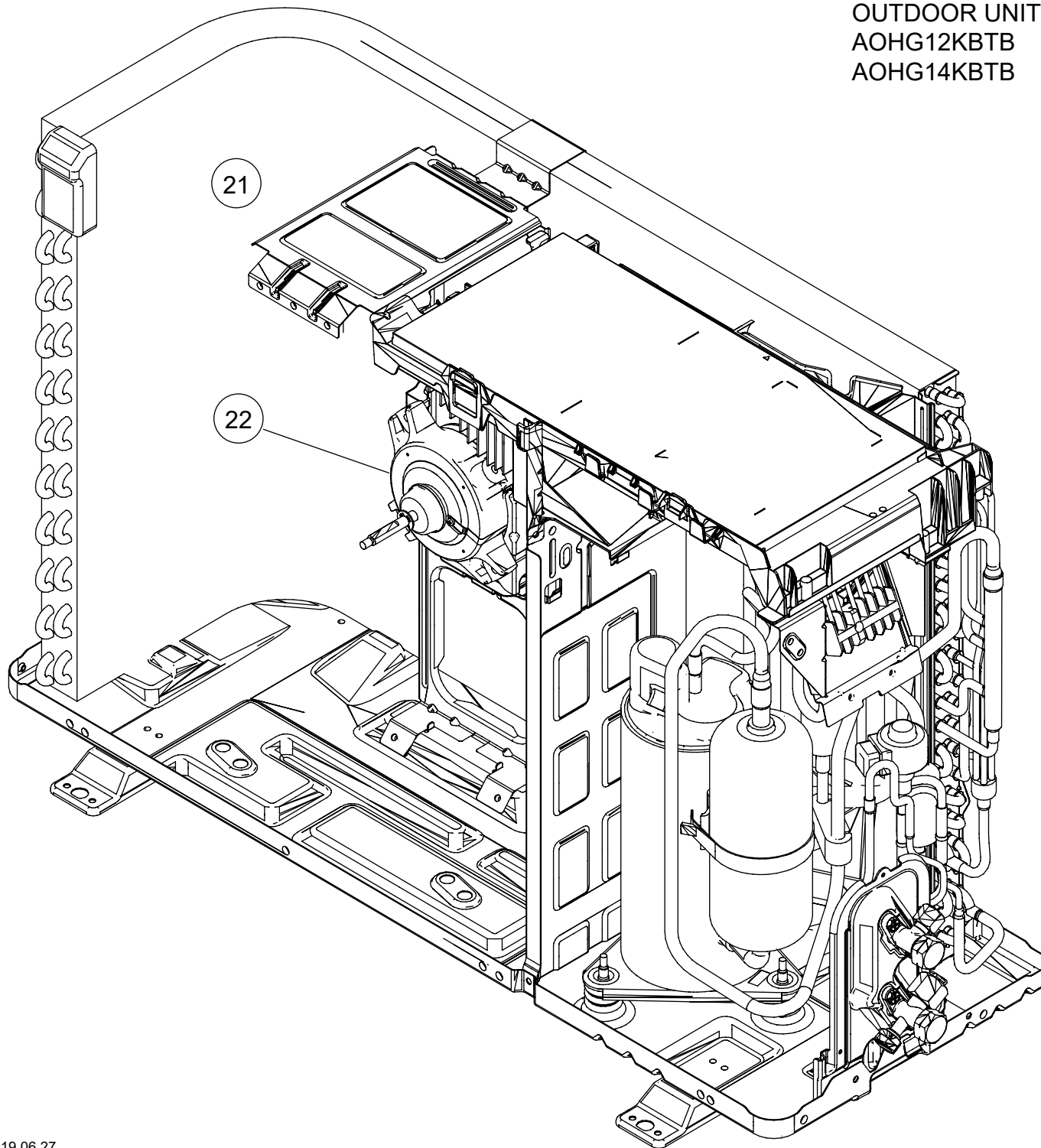
OUTDOOR UNIT
AOHG12KBTB
AOHG14KBTB



Ref.	Description	Part number
11	Top panel assy	9322556028
12	Front panel assy	9322555014
13	Blow grille	9322135001
14	Emblem	9319157009
15	Switch cover assy	9322570000
16	Cabinet right assy	9322552020
17	Propeller fan	9322136008

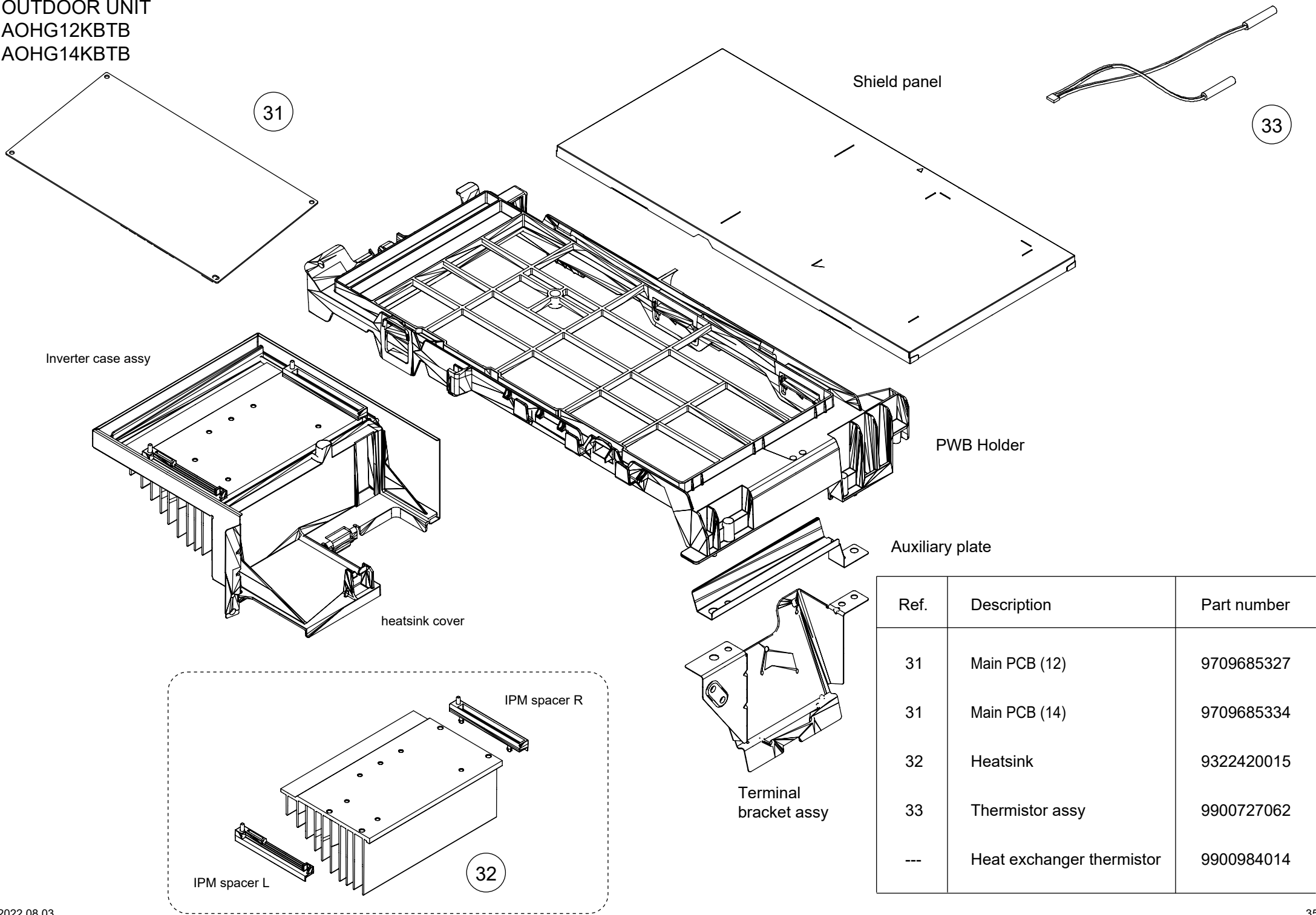


OUTDOOR UNIT
AOHG12KBTB
AOHG14KBTB



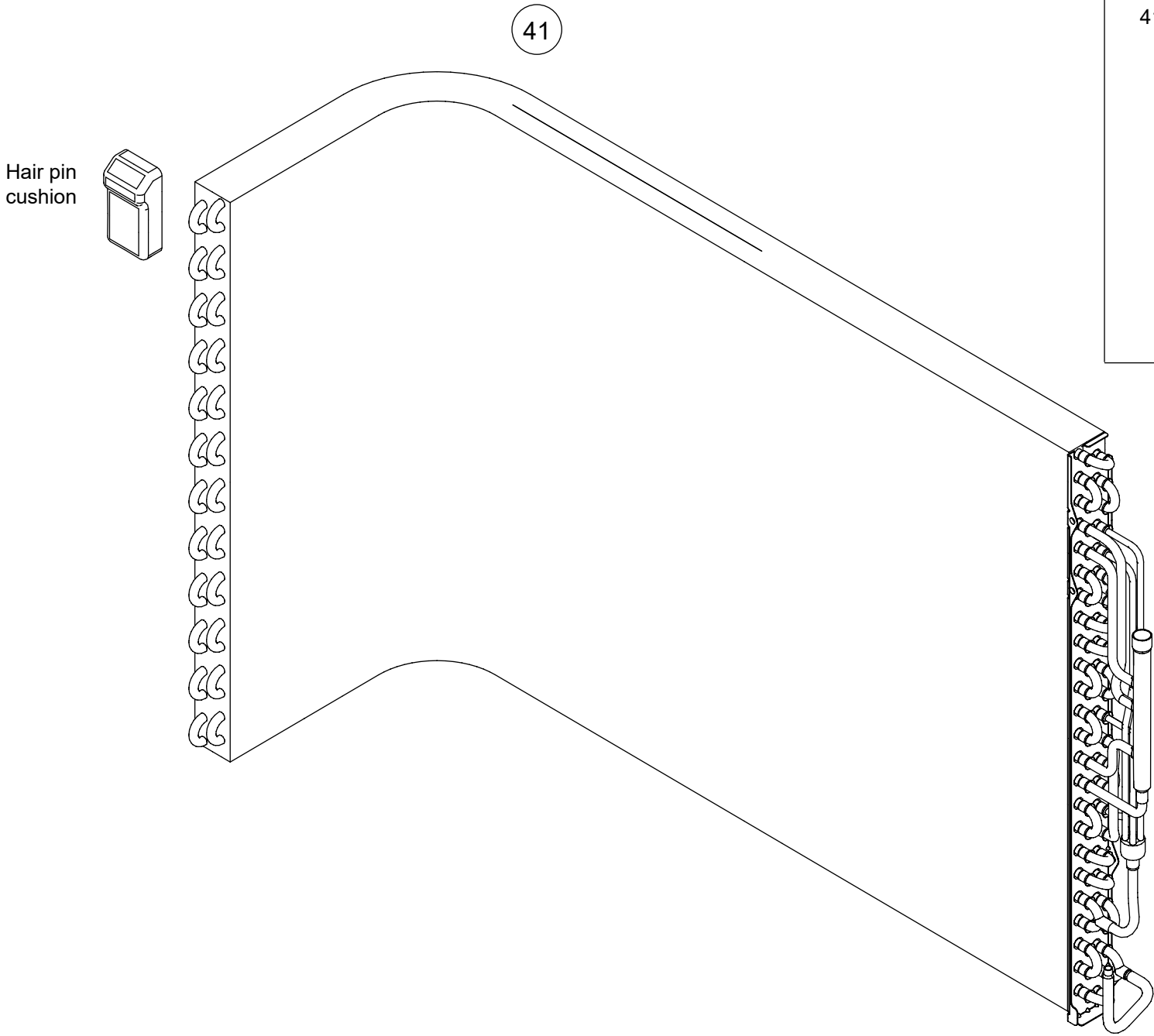
Ref.	Description	Part number
21	Motor bracket assy	9322553010
22	Brushless motor	9603657017
23	Terminal	9900435028

OUTDOOR UNIT
AOHG12KBTB
AOHG14KBTB

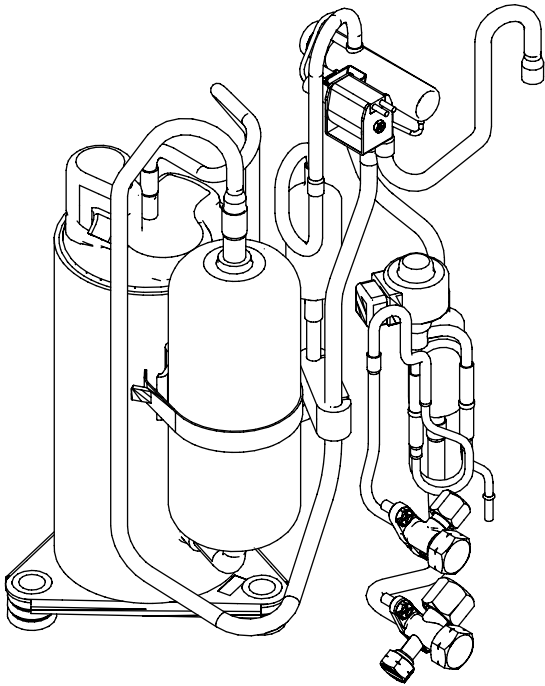


Ref.	Description	Part number
31	Main PCB (12)	9709685327
31	Main PCB (14)	9709685334
32	Heatsink	9322420015
33	Thermistor assy	9900727062
---	Heat exchanger thermistor	9900984014

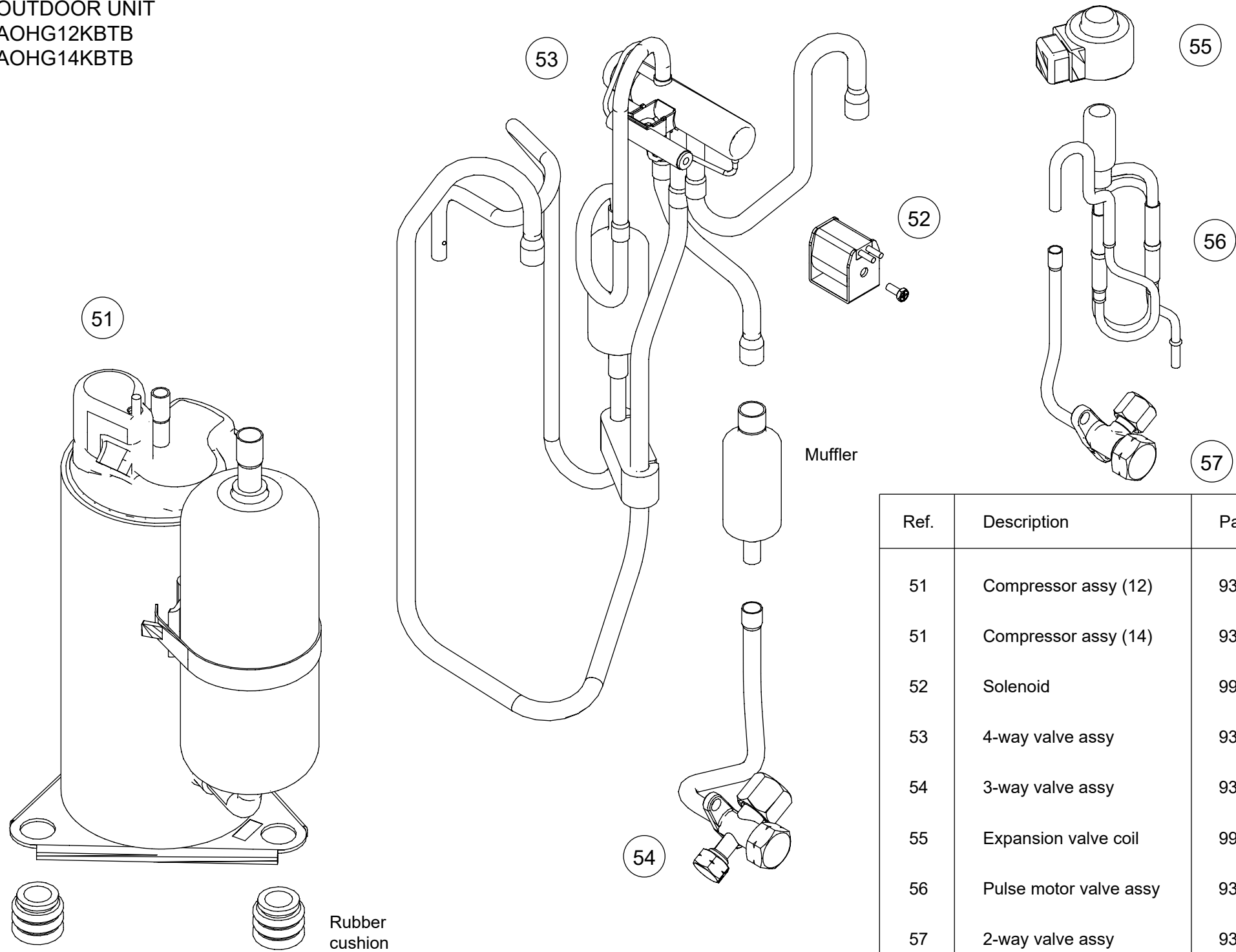
OUTDOOR UNIT
AOHG12KBTB
AOHG14KBTB



Ref.	Description	Part number
41	Heat exchanger unit (Condenser total assy+ Thermistor holder pipe+ Hair pin cushion)	9323834132
-	S-insulator B	9322535009
-	S-insulator F	9322536006
-	S-insulator H	9322537003
-	S-insulator V	9323045002



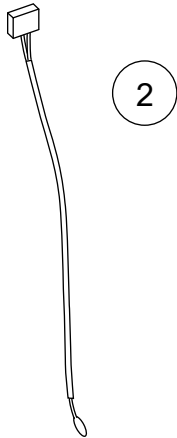
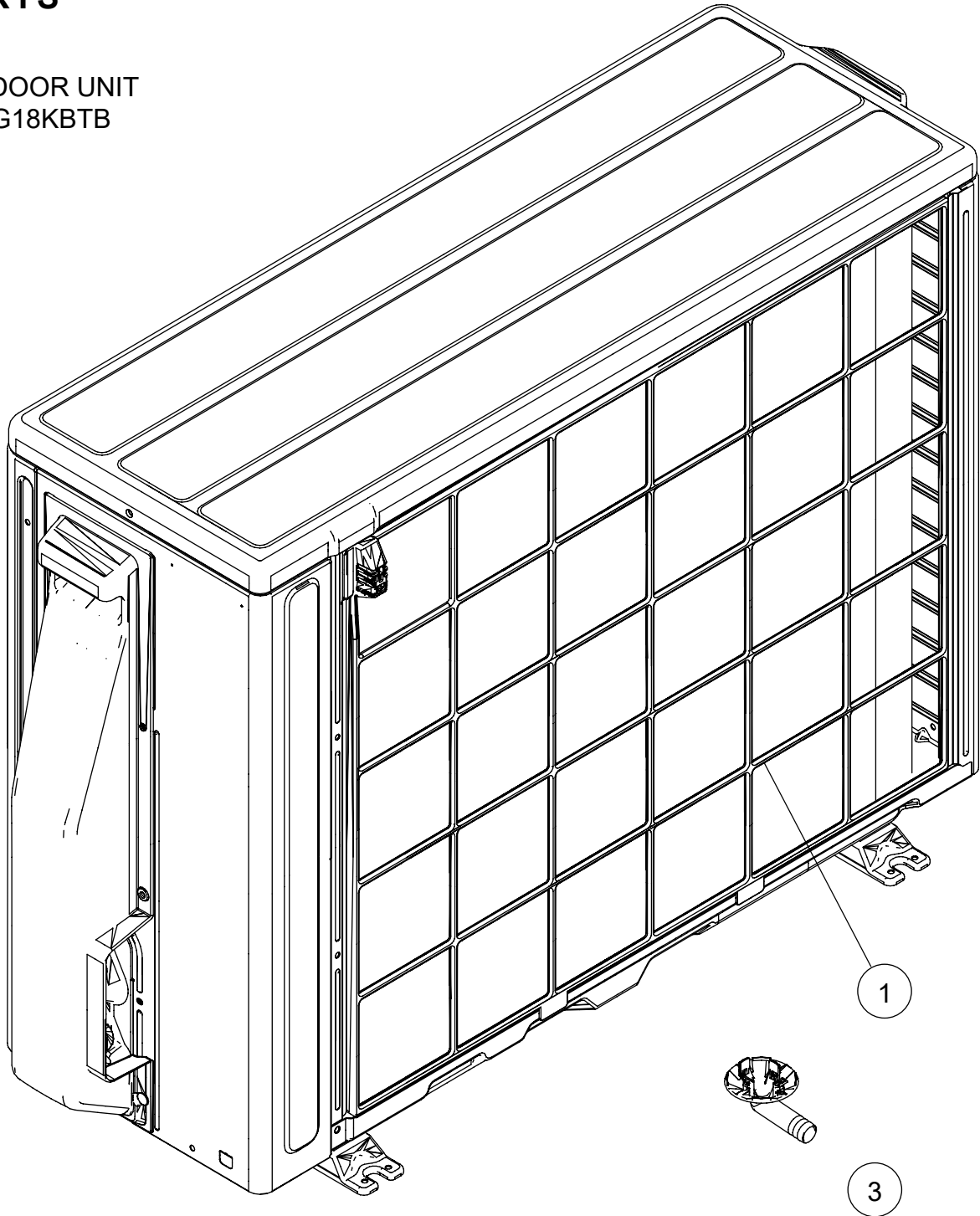
OUTDOOR UNIT
AOHG12KBTB
AOHG14KBTB



Ref.	Description	Part number
51	Compressor assy (12)	9322431004
51	Compressor assy (14)	9322433008
52	Solenoid	9970195006
53	4-way valve assy	9322445001
54	3-way valve assy	9322475008
55	Expansion valve coil	9970173028
56	Pulse motor valve assy	9322463029
57	2-way valve assy	9322474001

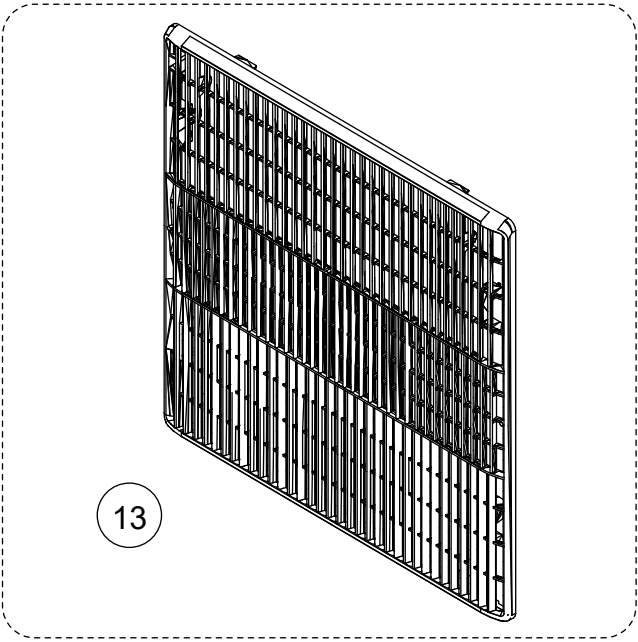
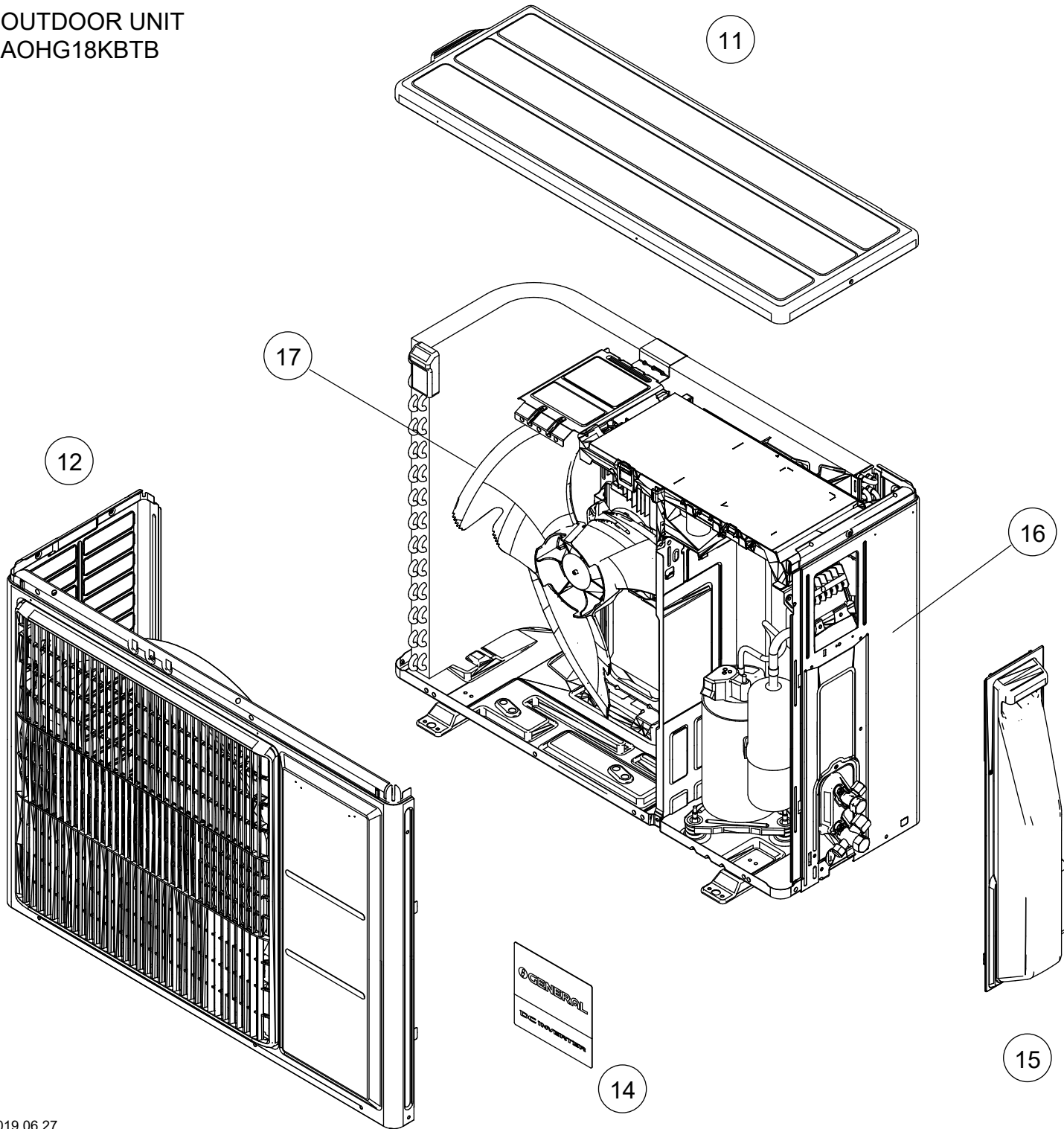
PARTS

OUTDOOR UNIT
AOHG18KBTB



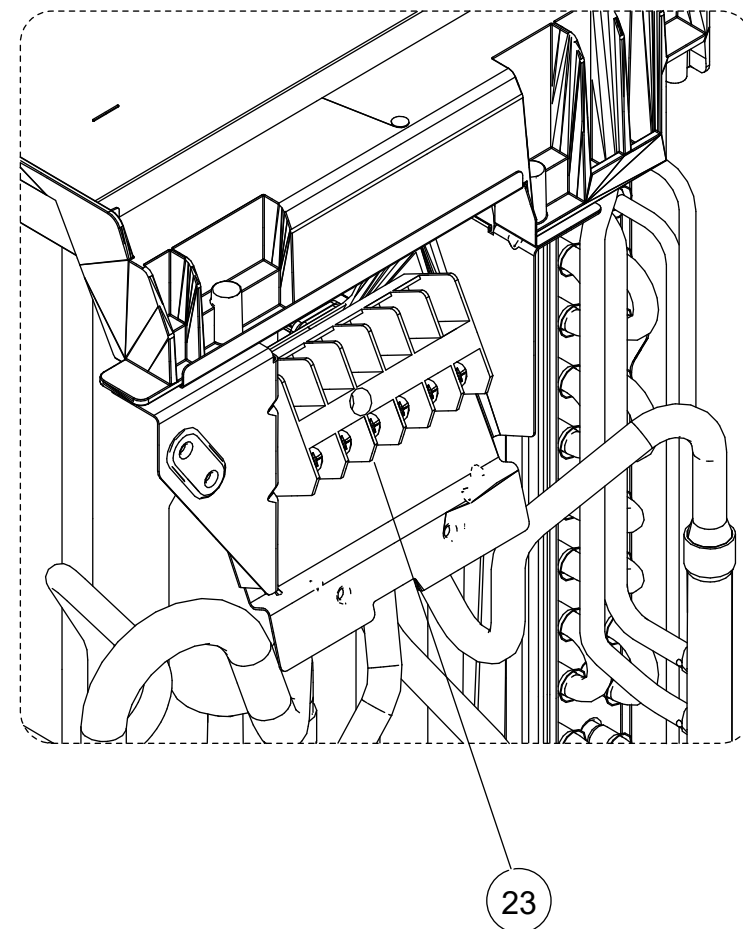
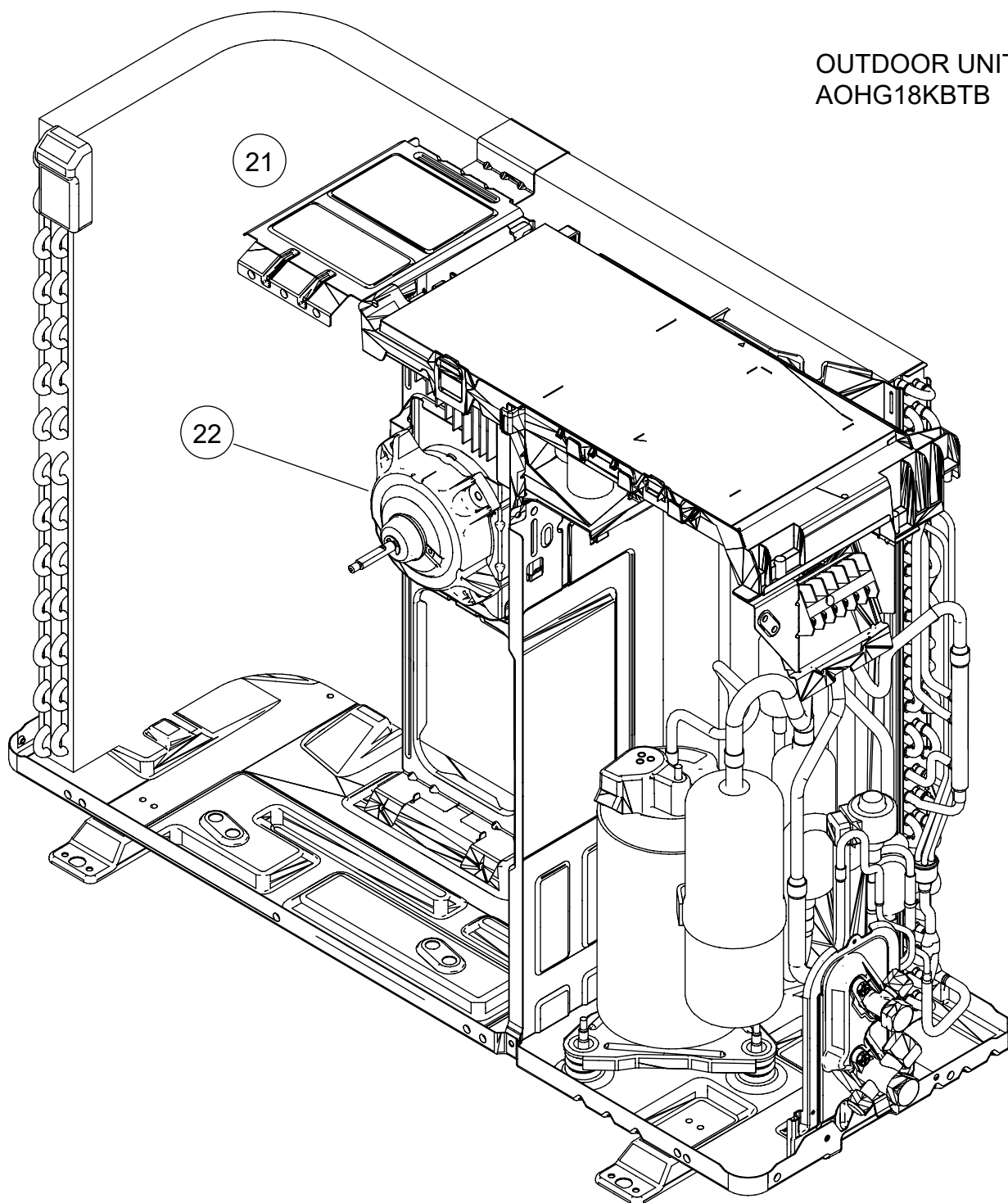
Ref.	Description	Part number
1	Protective net assy	9322811028
2	Outdoor thermistor	9900565060
3	Drain pipe	9322144003

OUTDOOR UNIT
AOHG18KBTB



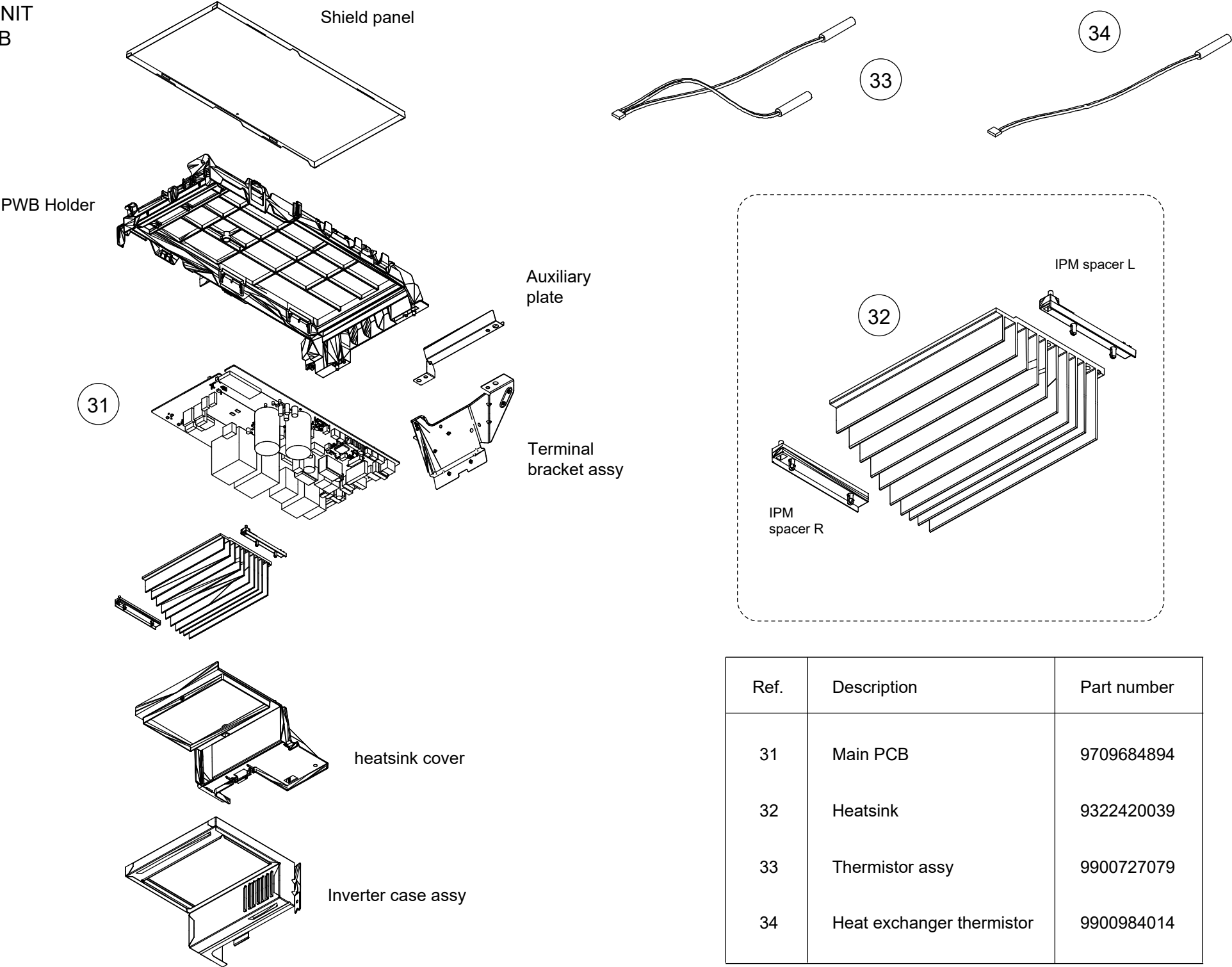
Ref.	Description	Part number
11	Top panel assy	9322556028
12	Front panel assy	9322555021
13	Blow grille	9322149008
14	Emblem	9319157009
15	Switch cover assy	9322570024
16	Cabinet right assy	9322552099
17	Propeller fan	9322150004

OUTDOOR UNIT AOHG18KBTB



Ref.	Description	Part number
21	Motor bracket assy	9322553027
22	Brushless motor	9603601003
23	Terminal	9900435028

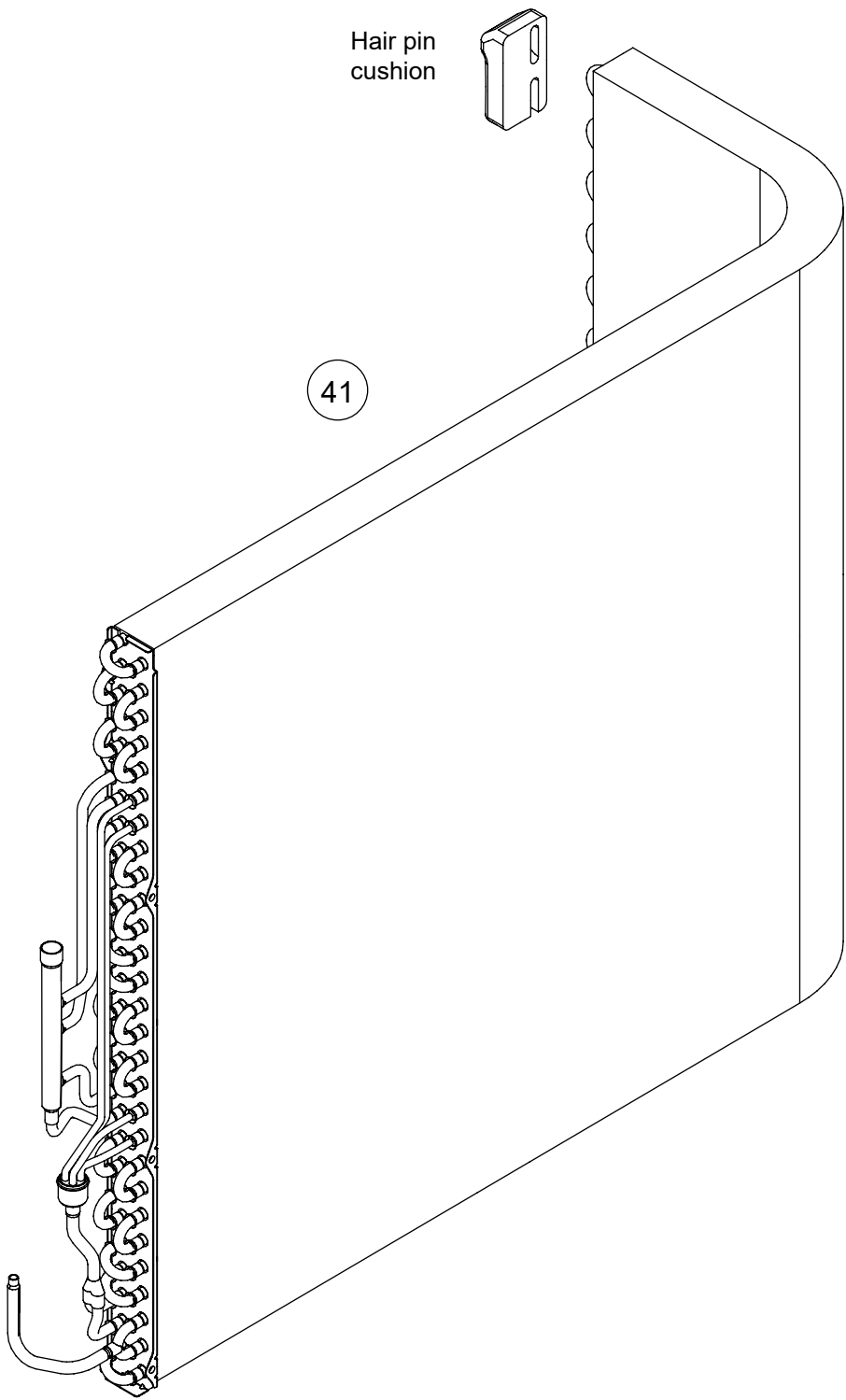
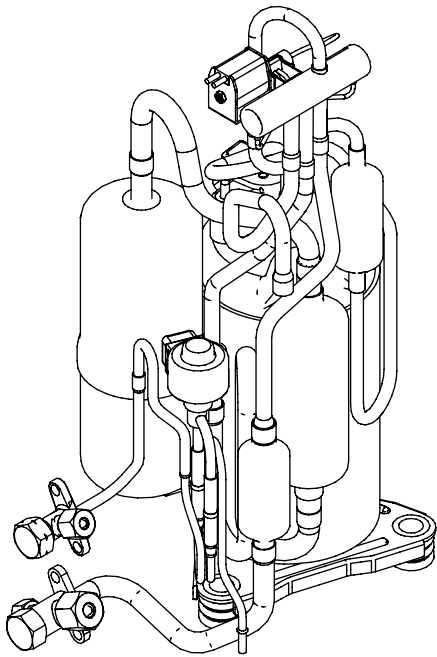
OUTDOOR UNIT
AOHG18KBTB



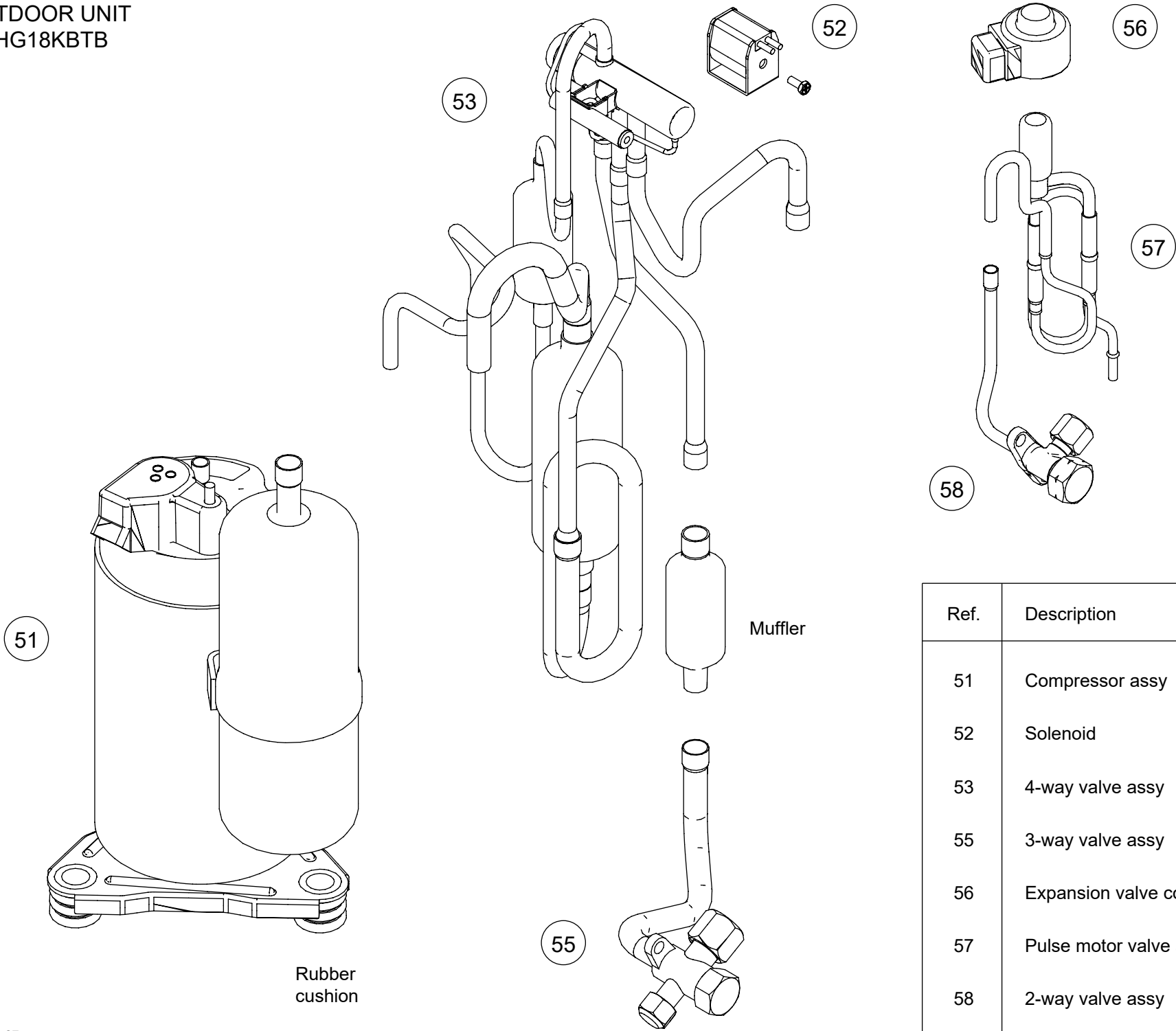
Ref.	Description	Part number
31	Main PCB	9709684894
32	Heatsink	9322420039
33	Thermistor assy	9900727079
34	Heat exchanger thermistor	9900984014

OUTDOOR UNIT
AOHG18KBTB

Ref.	Description	Part number
41	Heat exchanger unit (Condenser total assy+ Thermistor holder pipe+ Hair pin cushion)	9323834194
-	S-insulator B	9322500007
-	S-insulator F	9322847003
-	S-insulator H	9322501004
-	S-insulator V	9323045002

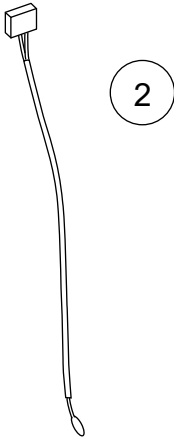
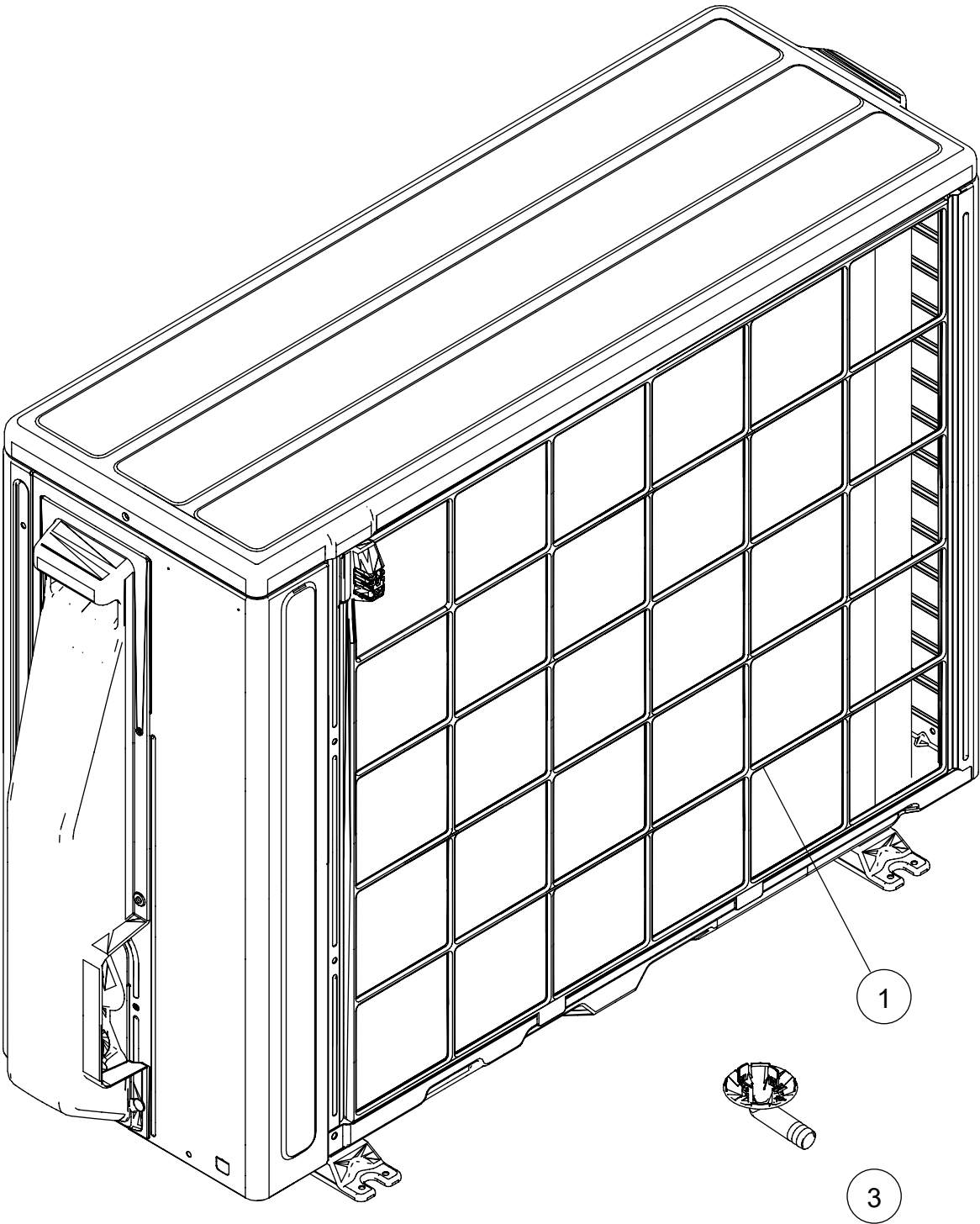


OUTDOOR UNIT
AOHG18KBTB



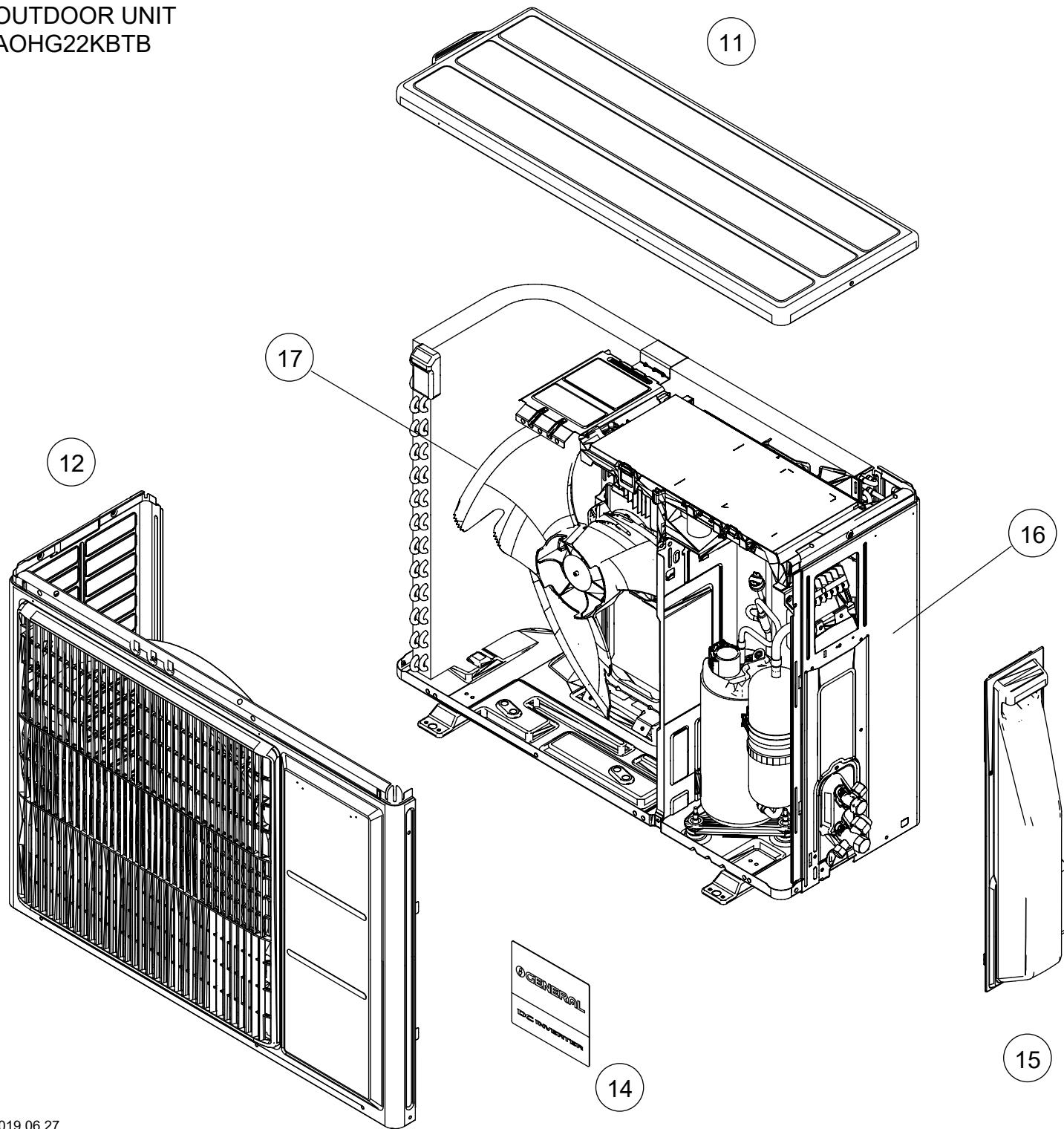
Ref.	Description	Part number
51	Compressor assy	9322433008
52	Solenoid	9970195006
53	4-way valve assy	9322783004
55	3-way valve assy	9387831016
56	Expansion valve coil	9970173028
57	Pulse motor valve assy	9322463029
58	2-way valve assy	9322474001

OUTDOOR UNIT
AOHG22KBTB



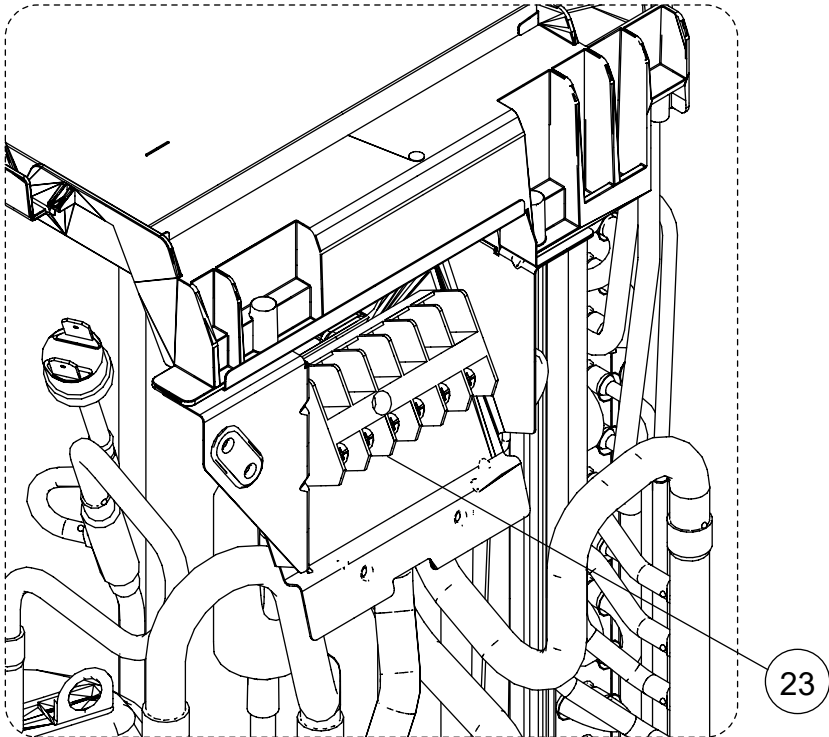
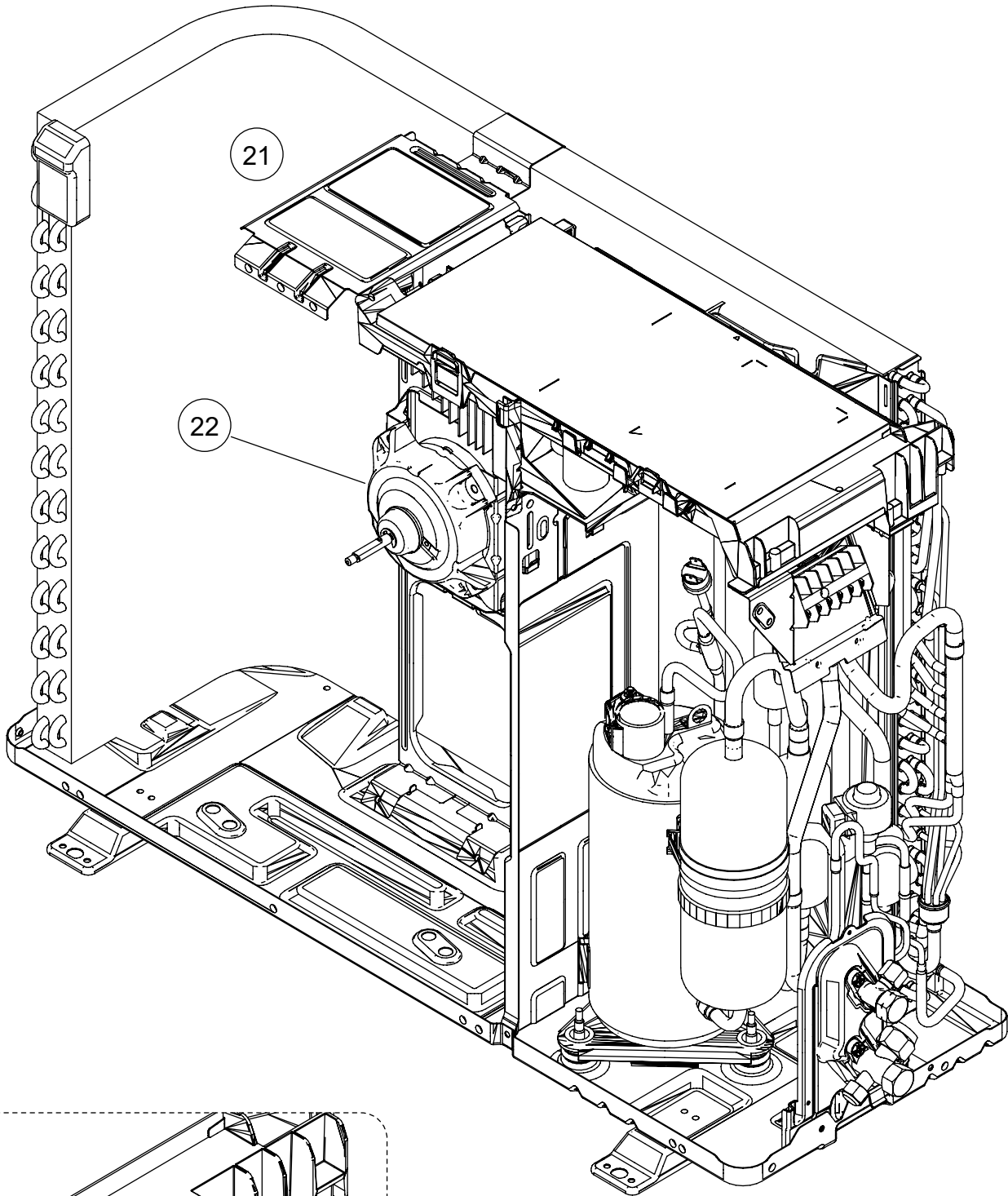
Ref.	Description	Part number
1	Protective net assy	9322811028
2	Outdoor thermistor	9900565060
3	Drain pipe	9322144003

OUTDOOR UNIT
AOHG22KBTB



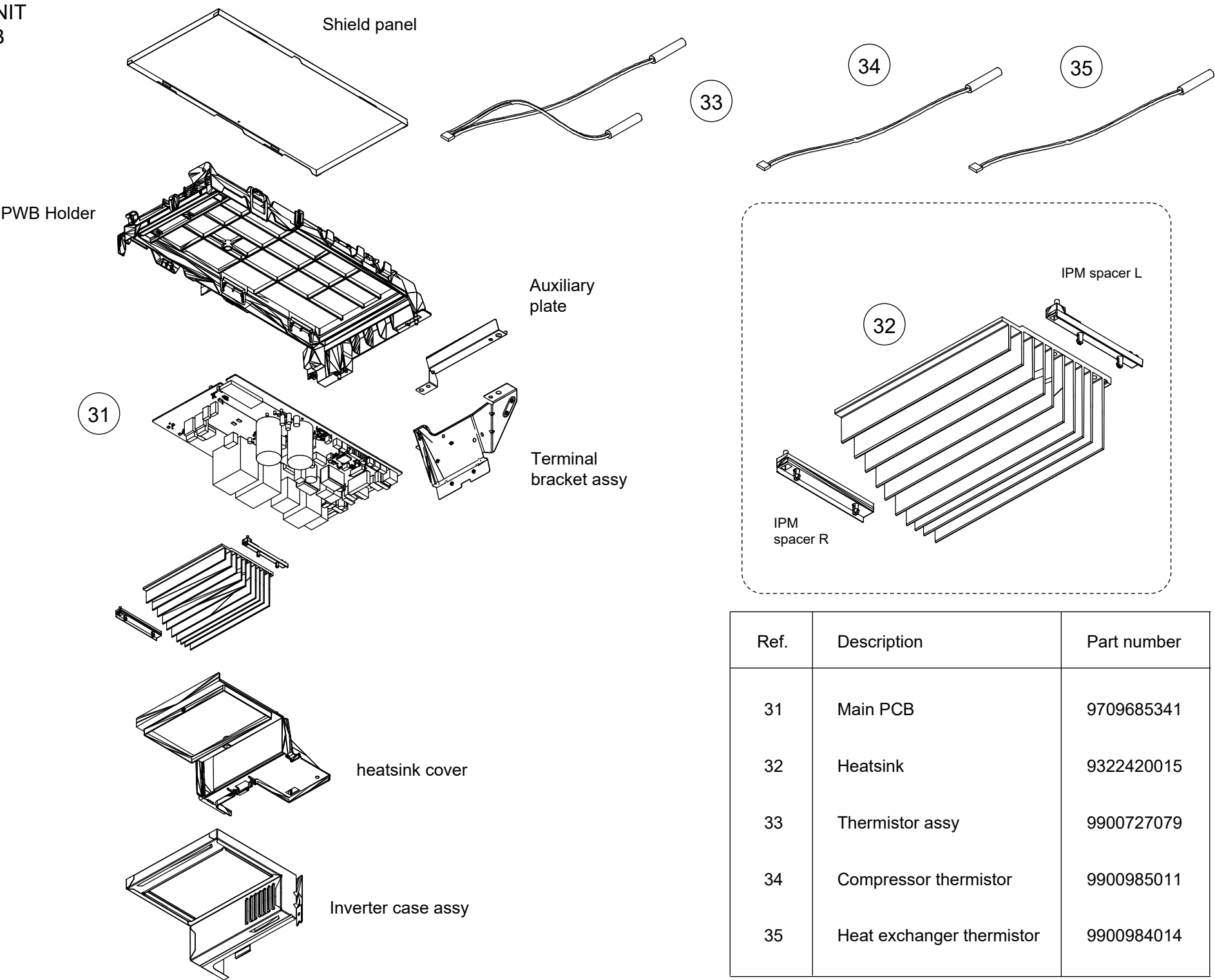
Ref.	Description	Part number
11	Top panel assy	9322556028
12	Front panel assy	9322555021
13	Blow grille	9322149008
14	Emblem	9319157009
15	Switch cover assy	9322570024
16	Cabinet right assy	9322552099
17	Propeller fan	9322150004

OUTDOOR UNIT
AOHG22KBTB



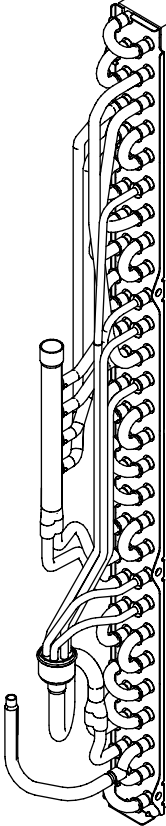
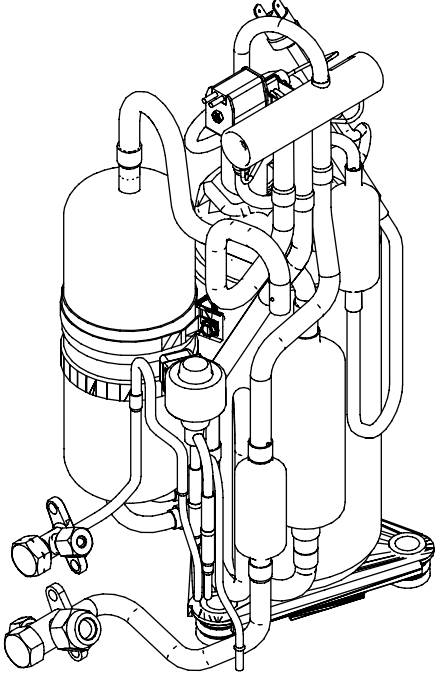
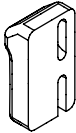
Ref.	Description	Part number
21	Motor bracket assy	9322553027
22	Brushless motor	9603601003
23	Terminal	9900435028

OUTDOOR UNIT
AOHG22KBTB



Ref.	Description	Part number
31	Main PCB	9709685341
32	Heatsink	9322420015
33	Thermistor assy	9900727079
34	Compressor thermistor	9900985011
35	Heat exchanger thermistor	9900984014

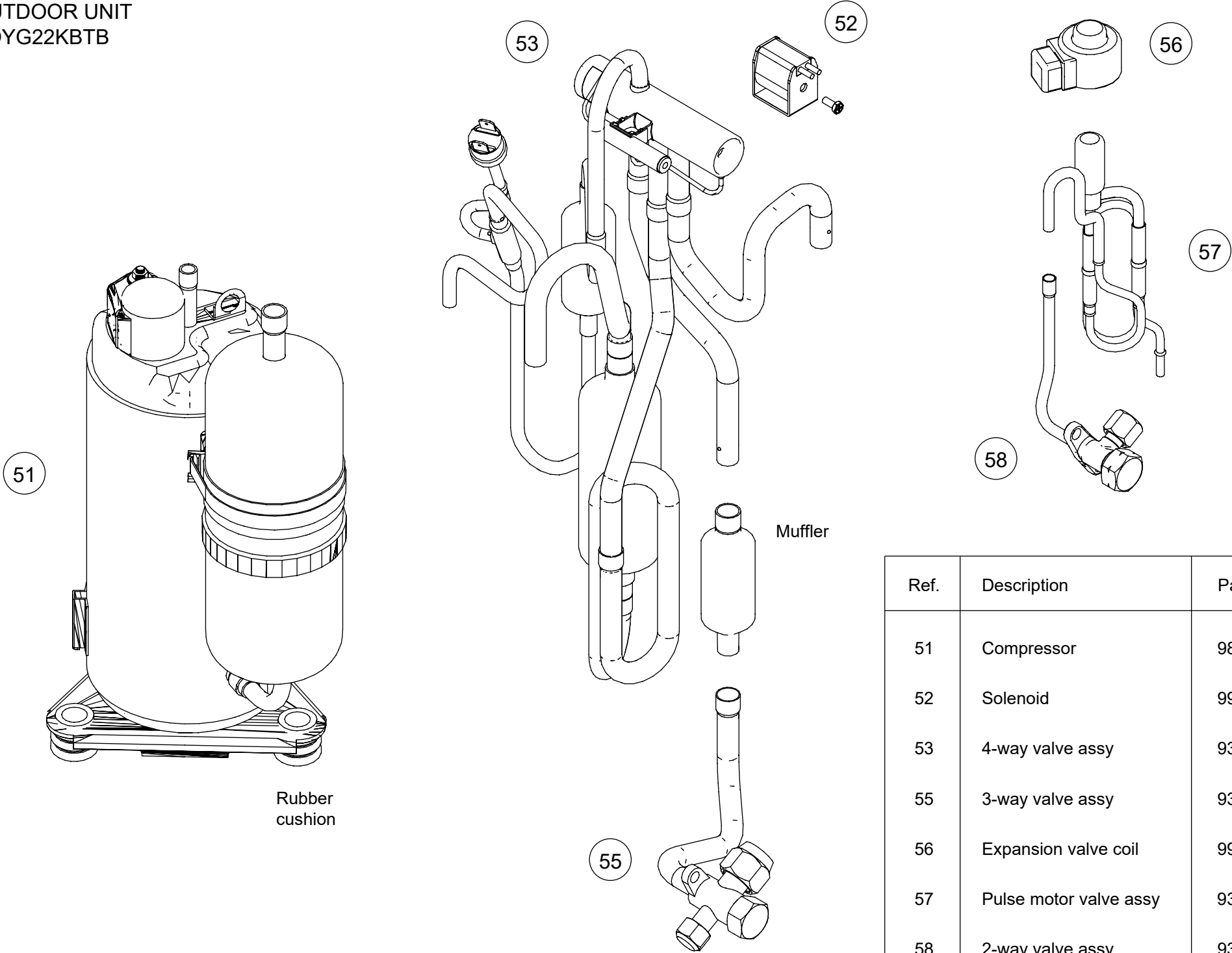
Hair pin
cushion



41

Ref.	Description	Part number
41	Heat exchanger unit (Condenser total assy+ Thermistor holder pipe+ Hair pin cushion)	9323834330
-	S-insulator B	9322503008
-	S-insulator F	9322847003
-	S-insulator H	9322501004
-	S-insulator V	9323045002
-	S-insulator K	9322824004


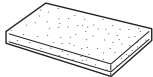
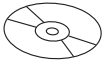



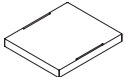
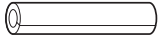




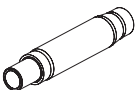
OUTDOOR UNIT
AOYG22KBTB




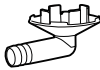
Ref.	Description	Part number
51	Compressor	9810521002
52	Solenoid	9970195006
53	4-way valve assy	9383129018
55	3-way valve assy	9387831016
56	Expansion valve coil	9970173028
57	Pulse motor valve assy	9322463029
58	2-way valve assy	9322474001

Accessories

Models: AUXG09KVLA, AUXG12KVLA, AUXG14KVLA, AUXG18KVLA, and AUXG22KVLA

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose insulation		1
Operating manual (CD-ROM)		1	Hose band		1
Installation manual		1	Coupler heat insulation (large)		1
Template (Carton top)		1	Coupler heat insulation (small)		1
M10 nut A (with flange)		4	Cable tie		2
M10 nut B (with spring lock washer)		4	Wire crimper		1
Drain hose		1			

**Models: AOHG09KBTB, AOHG12KBTB, AOHG14KBTB,
AOHG18KBTB, and AOHG22KBTB**

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Drain pipe		1

1903G4810