

AIR CONDITIONER

**4-unit multi-split type,
5-unit multi-split type**

SERVICE MANUAL

INDOOR



AUXG07-22KVLA



ARXG07-14KSLAP
ARXG18KSLAP



ARXG07-14KLLAP
ARXG18KLLAP



ARXH12-18KMTAP
ARXH22KMTAP
ARXG22KMLB



ASYG07-14KMTB
ASYG07-14KMCC
ASYG07-14KMCE
ASYG07-14KMCF
ASYH07-14KMCG



ASYH07-14KMCG-B



ASYG07-14KETA
ASYG07-14KETE
ASYG07-14KETF
ASYG07-14KETA-B
ASYG07-14KETE-B
ASYG07-14KETF-B



ASYG07-14KGTB
ASYG07-14KGTG
ASYG07-14KGTG



ASYH05-12KNCA



ASYG18-24KMTB
ASYG18-24KMTE



ABYG18-22KRTA



AGYG09-14KVCA

OUTDOOR



AOYG30KBTA4
AOYG36KBTA5

FUJITSU GENERAL LIMITED

1. Specifications

1-1. Indoor unit

■ Compact cassette type

Model name				AUXG07KVLA	AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	
Power supply				1Ø 230 V~ 50 Hz				
Available voltage range				198—264 V				
Capacity		kW class		2.0	2.5	3.5	4.0	
Input power		W		18		23	28	
Running current		A		0.15		0.19	0.22	
Fan	Airflow rate	Cooling	HIGH	540		610	680	
			MED	490		530	580	
			LOW	440		470	490	
			QUIET	390		410	410	
		Heating	HIGH	540		610	790	
			MED	490		530	680	
			LOW	440		470	580	
			QUIET	390		410	450	
	Type × Qty				Turbo fan × 1			
	Motor output		W		54			
Sound pressure level*	Cooling	dB (A)	HIGH	33		37	38	
			MED	31		34	35	
			LOW	29		31	32	
			QUIET	27		28	29	
	Heating	HIGH	34		37	43		
		MED	32		34	38		
		LOW	29		31	34		
		QUIET	27		29	30		
Sound power level	Cooling	dB (A)	46		49	50		
	Heating		47		49	55		
Heat exchanger type	Dimensions (H × W × D)		mm	Main 1: 210 × 1,310 × 13.3 Main 2: 210 × 1,250 × 13.3				
	Fin pitch		mm	Main 1: 1.2 Main 2: 1.2				
	Rows × Stages			Main 1: 1 × 10 Main 2: 1 × 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				
	Gross			19				
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4)				
		Gas		Ø9.52 (Ø3/8)				
	Method			Flare				
Drain hose	Material			Polyvinyl chloride				
	Tip diameter		mm	Ø25 (I.D.), Ø32 (O.D.)				
Operation range	Cooling	°C		18 to 32				
		%RH		80 or less				
	Heating	°C		16 to 30				
Cassette grille (Grid type: Option)	Model name			UTG-UFYF-W				
	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						
NOTES:								
<ul style="list-style-type: none"> • The protective function might work when using it outside the operation range. • *: Sound pressure level: <ul style="list-style-type: none"> – These are the measured values in the 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. 								

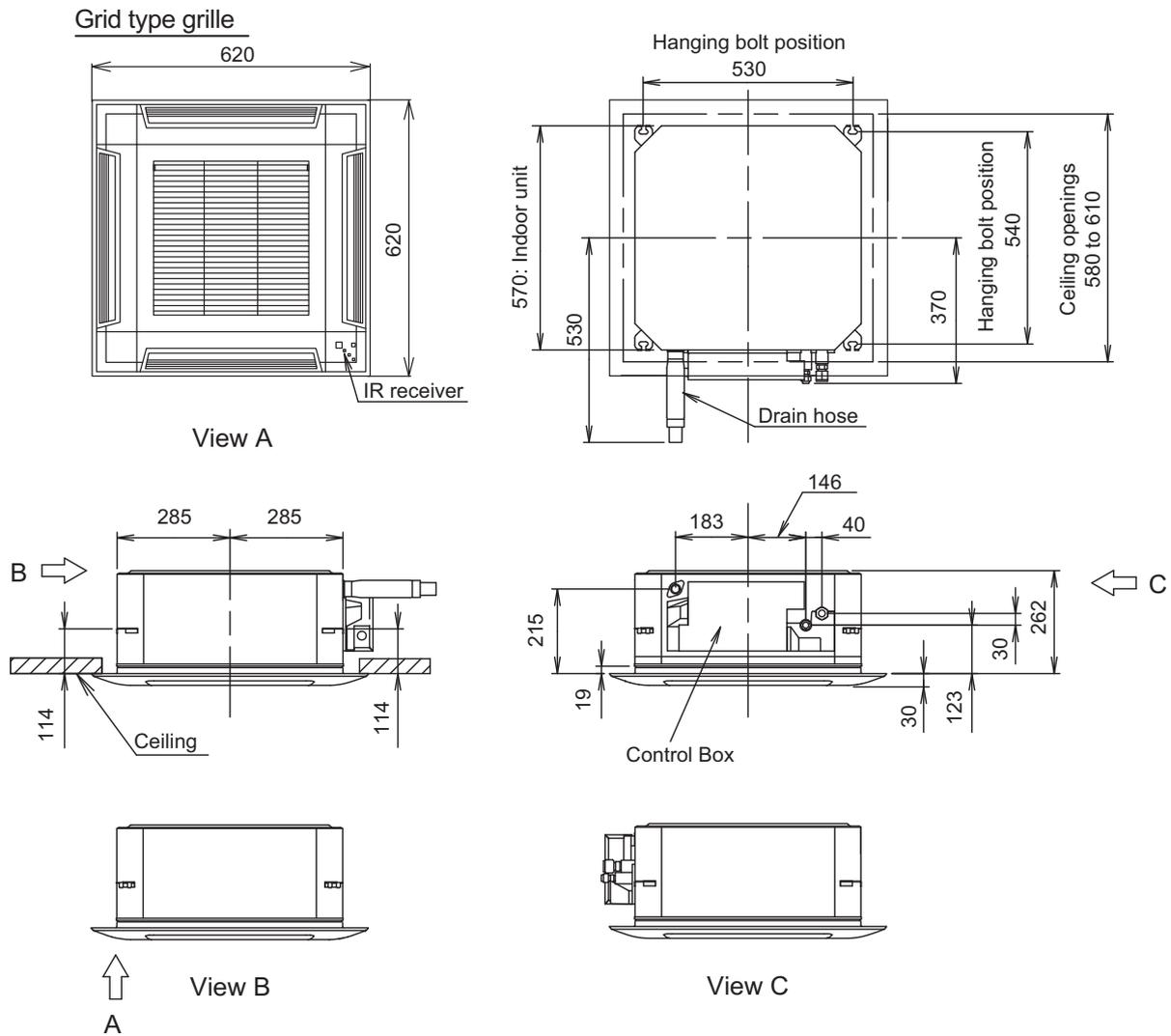
Model name				AUXG18KVLA		AUXG22KVLA			
Power supply				1Ø 230 V~ 50 Hz					
Available voltage range				198—264 V					
Capacity			kW class		5.0		6.0		
Input power			W		39		84		
Running current			A		0.30		0.62		
Fan	Airflow rate	Cooling	HIGH	m ³ /h	680		830		
			MED		580		740		
			LOW		490		600		
			QUIET		410		450		
		Heating	HIGH		790		860		
			MED		680		760		
			LOW		580		700		
			QUIET		450		530		
	Type × Qty		Turbo fan × 1						
	Motor output		W		54				
Sound pressure level*	Cooling	dB (A)	HIGH	38		44			
			MED	35		42			
			LOW	32		36			
			QUIET	29		30			
	Heating	dB (A)	HIGH	43		45			
			MED	38		43			
			LOW	34		40			
			QUIET	30		33			
Sound power level	Cooling	dB (A)	50		56				
	Heating		55		57				
Heat exchanger type	Dimensions (H × W × D)		mm	Main 1: 210 × 1,310 × 13.3 Main 2: 210 × 1,250 × 13.3		Main 1: 210 × 1,360 × 13.3 Main 2: 210 × 1,295 × 13.3 Main 3: 210 × 1,235 × 13.3			
	Fin pitch			Main 1: 1.2 Main 2: 1.2		Main 1: 1.45 Main 2: 1.45 Main 3: 1.45			
	Rows × Stages			Main 1: 1 × 10 Main 2: 1 × 10		Main 1: 1 × 10 Main 2: 1 × 10 Main 3: 1 × 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)	Ø6.35 (Ø1/4)					
		Gas		Ø12.70 (Ø1/2)					
	Method			Flare					
Drain hose	Material		Polyvinyl chloride						
	Tip diameter		Ø25 (I.D.), Ø32 (O.D.)						
Operation range	Cooling	°C		18 to 32					
		%RH		80 or less					
	Heating	°C		16 to 30					
Cassette grille (Grid type: Option)	Model name		UTG-UFYF-W						
	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					
NOTES:									
<ul style="list-style-type: none"> • The protective function might work when using it outside the operation range. • *: Sound pressure level: <ul style="list-style-type: none"> – These are the measured values in the 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. 									

2. Dimensions

2-1. Compact cassette type

■ Models: AUXG07-22KVLA

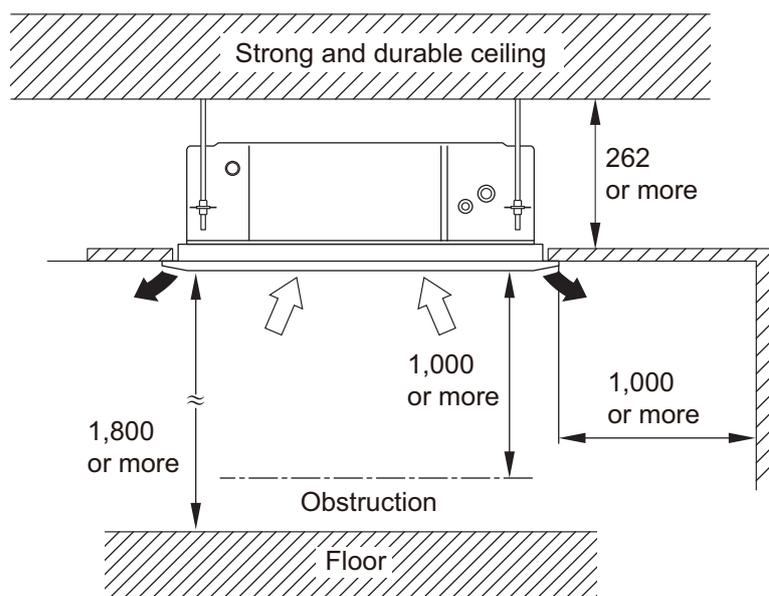
Unit: mm



● Installation space requirement

Provide enough clearance for product safety.

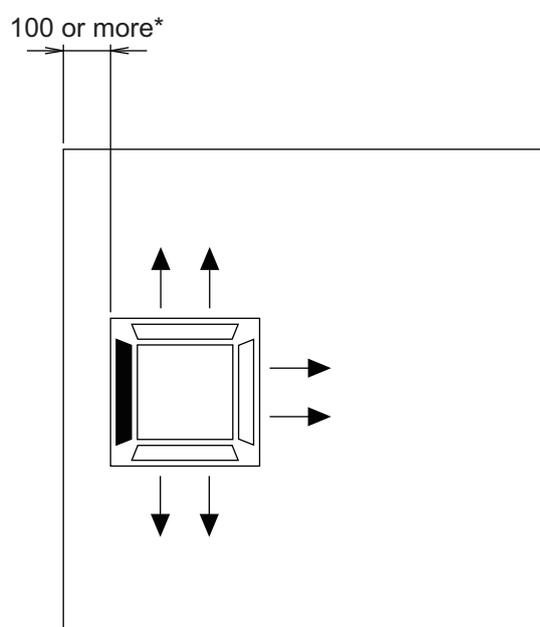
Unit: mm



Maximum height from floor to ceiling (Unit: mm)		
	07 and 09 models	12 or larger models
Standard	2,700	
High ceiling	—	3,000

● 3-way direction setting

Unit: mm



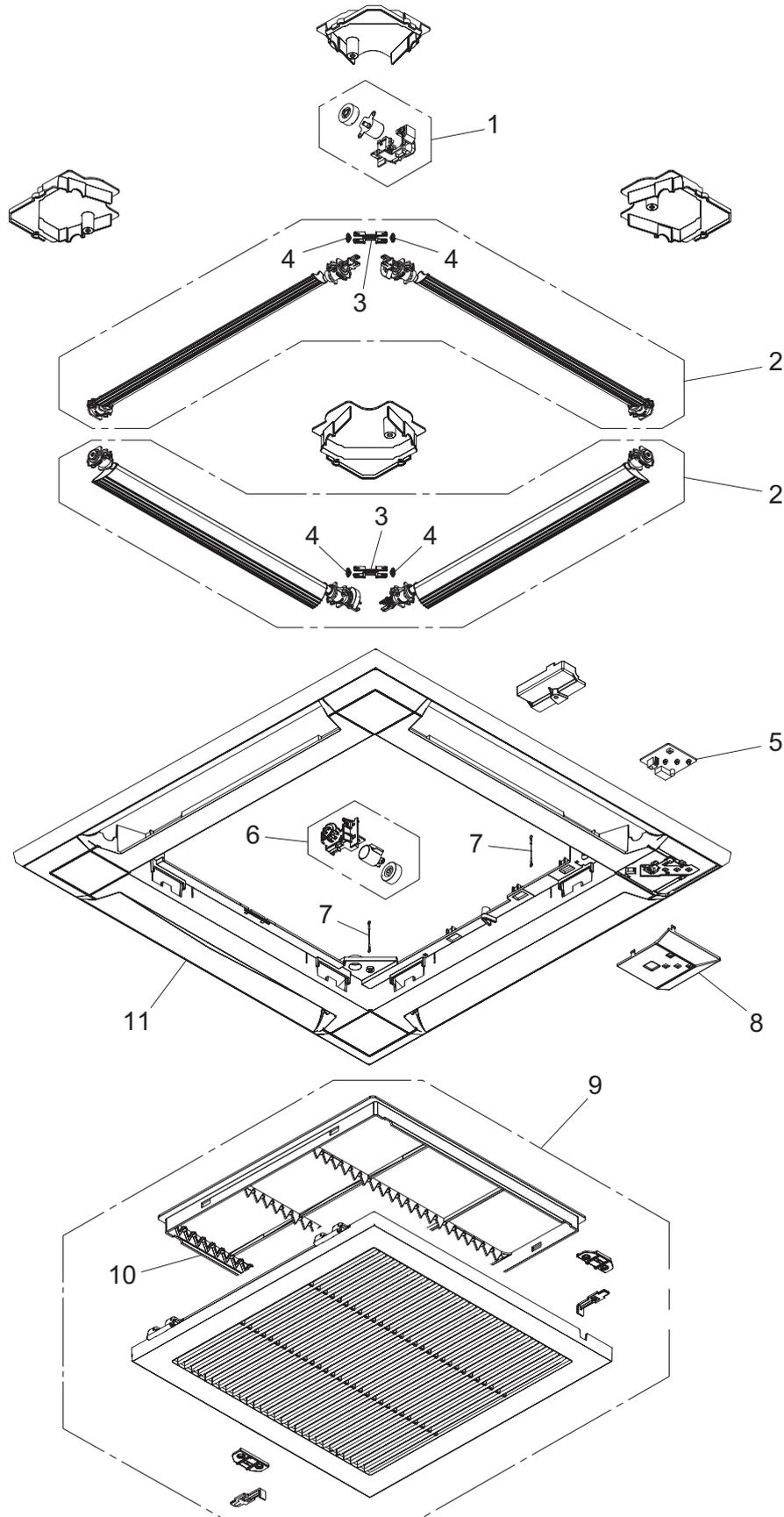
NOTES:

- To set "3-direction", optional Air Outlet Shutter Plate (UTR-YDZB) must be installed, and the "outlet-direction" need to be switched to "3-way" by remote controller.
*When installing the indoor unit, be careful about the maintenance space.
- In 3-way outlet mode, changing of ceiling height setting by function setting 20 is prohibited. (Ceiling height setting [function setting 20] is allowed to be changed only in 4-way outlet mode.)

2. Cassette Grille (option) parts list

2-1. Model: UTG-UFYF-W

Overall



TECHNICAL DATA
AND PARTS LIST

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AND PARTS LIST

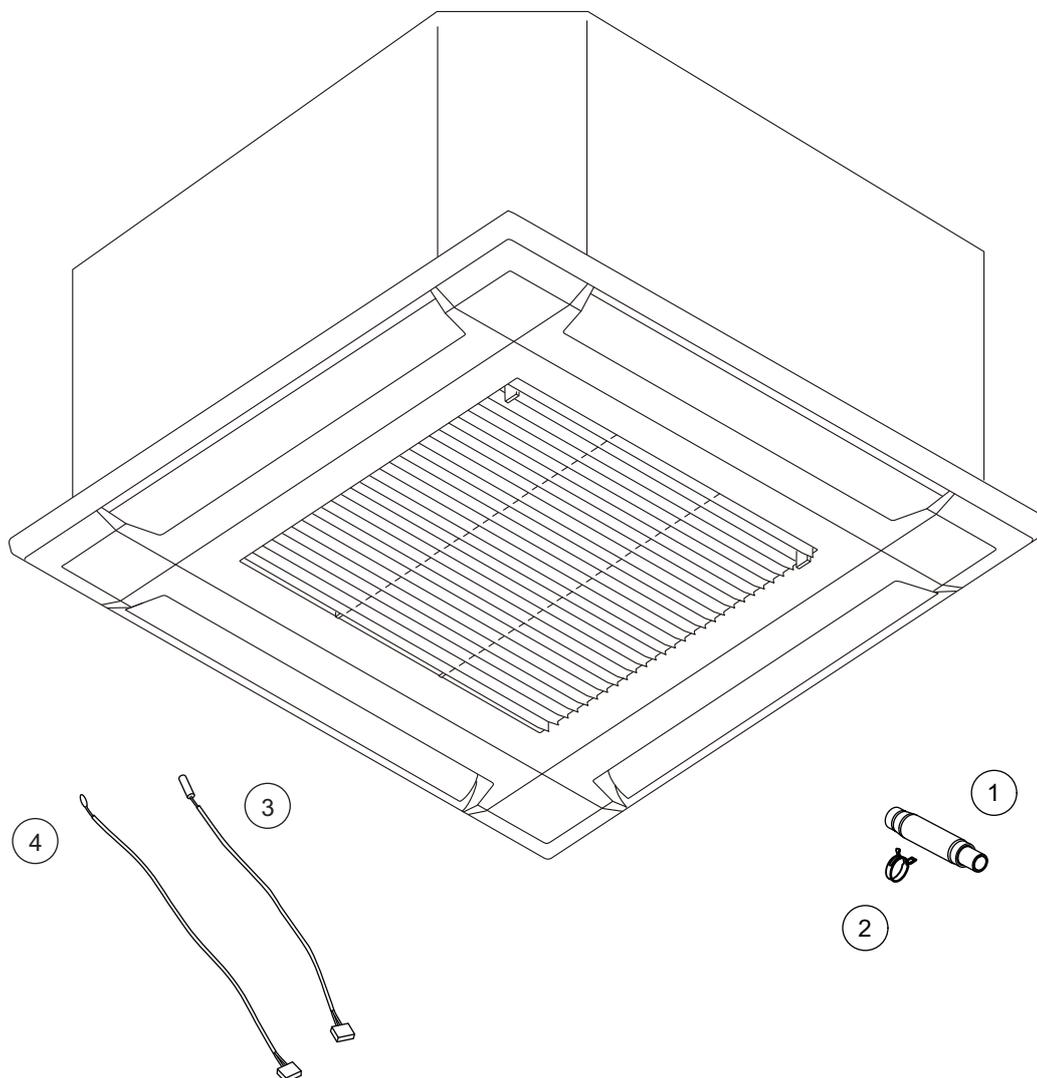
Item no.	Part no.	Part name
1	9375745011	Motor holder assy A
2	9377760043	Flap total assy
3	N/A	Joint B
4	N/A	Joint shaft
5	9711310002	Indicator PCB
6	9375746018	Motor holder assy B
7	9378597013	Hook wire
8	9383100031	Indicator panel assy
9	9382862008	Intake grille assy
10	9375533014	Long-life filter
11	9380651284	Decoration panel
—	9711276001	Wire with connector

N/A: Not available

3. Indoor unit parts list

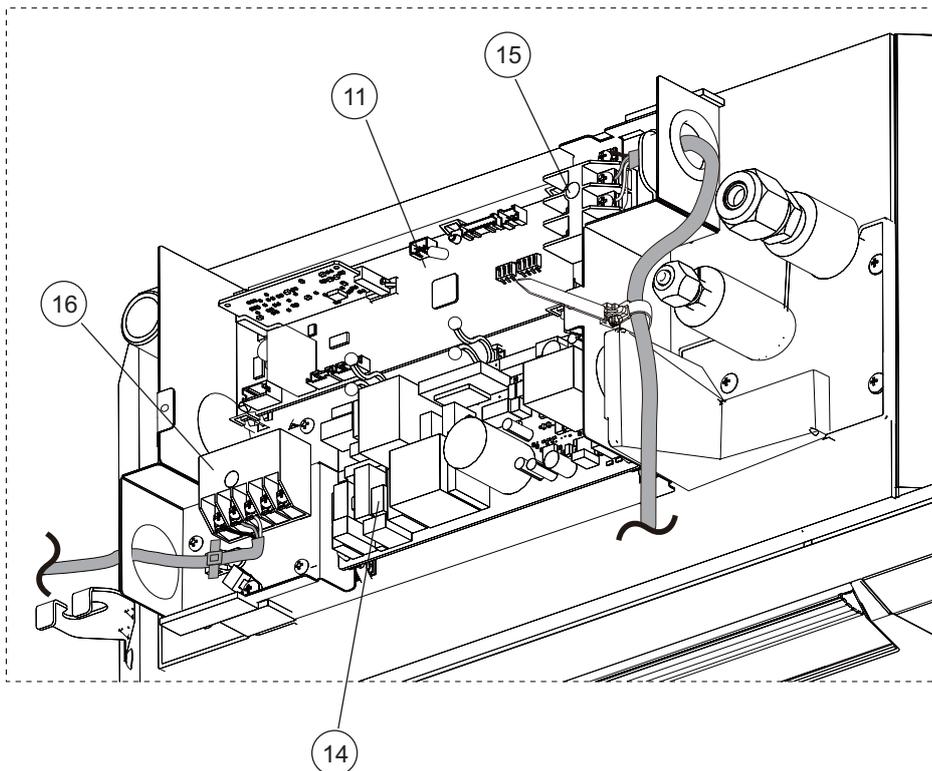
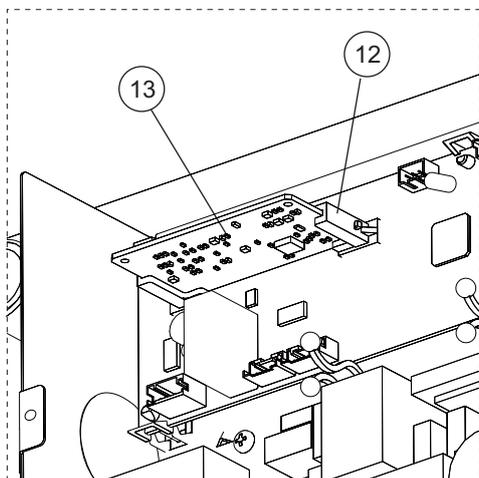
3-1. Compact cassette type

■ Models: AUXG07-22KVLA



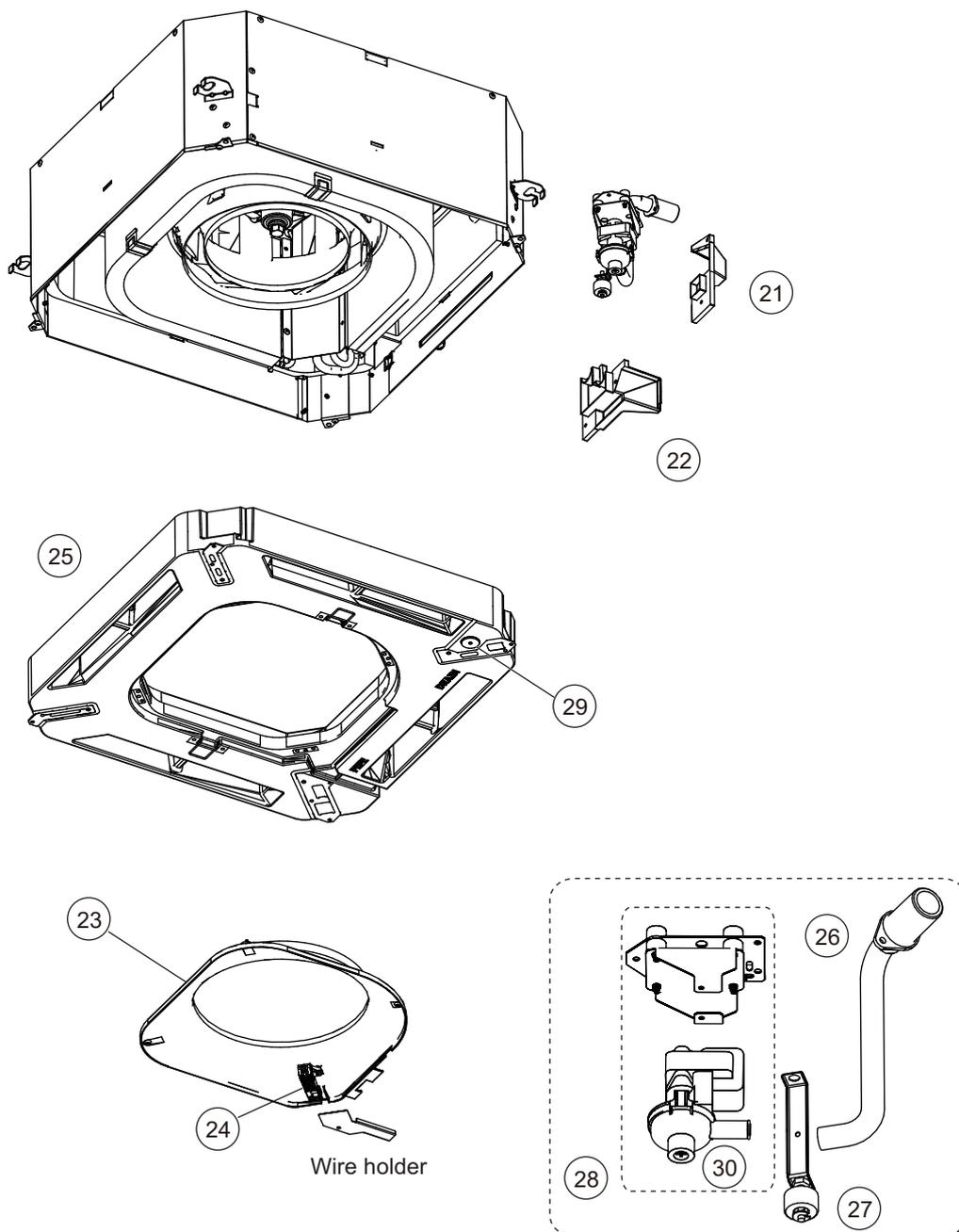
Item no.	Part no.	Part name
1	9379665001	Drain hose
2	N/A	Hose band
3	9900349028	Pipe thermistor
4	9900826000	Room thermistor

N/A: Not available



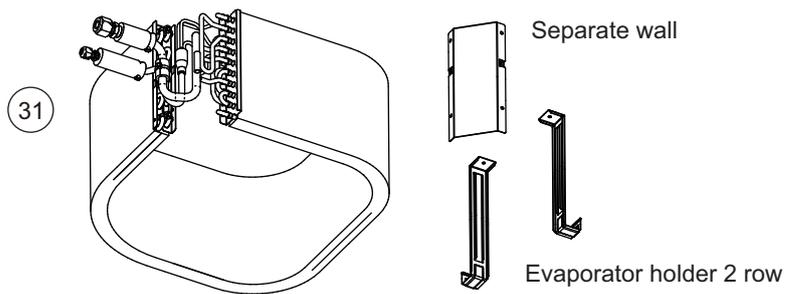
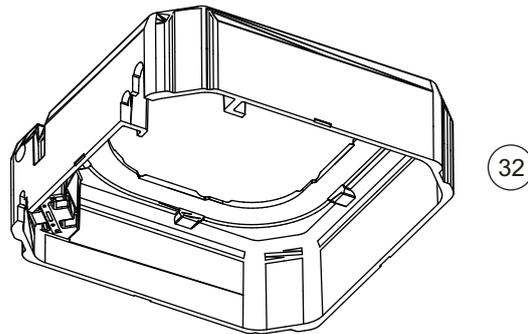
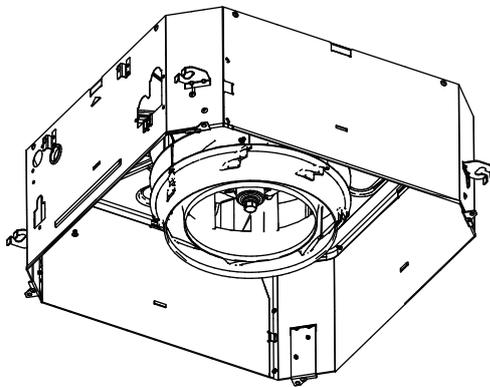
Item no.	Part no.	Part name
11	9710995965	Main PCB (For 07 model)
	9710995743	Main PCB (For 09 model)
	9710995750	Main PCB (For 12 model)
	9710995705	Main PCB (For 14 model)
	9710995767	Main PCB (For 18 model)
	9710995613	Main PCB (For 22 model)
12	N/A	Holder
13	9710019005	Communication PCB
14	9710661006	Power supply PCB
15	9900568009	Terminal block
16	9900896003	Terminal block

N/A: Not available



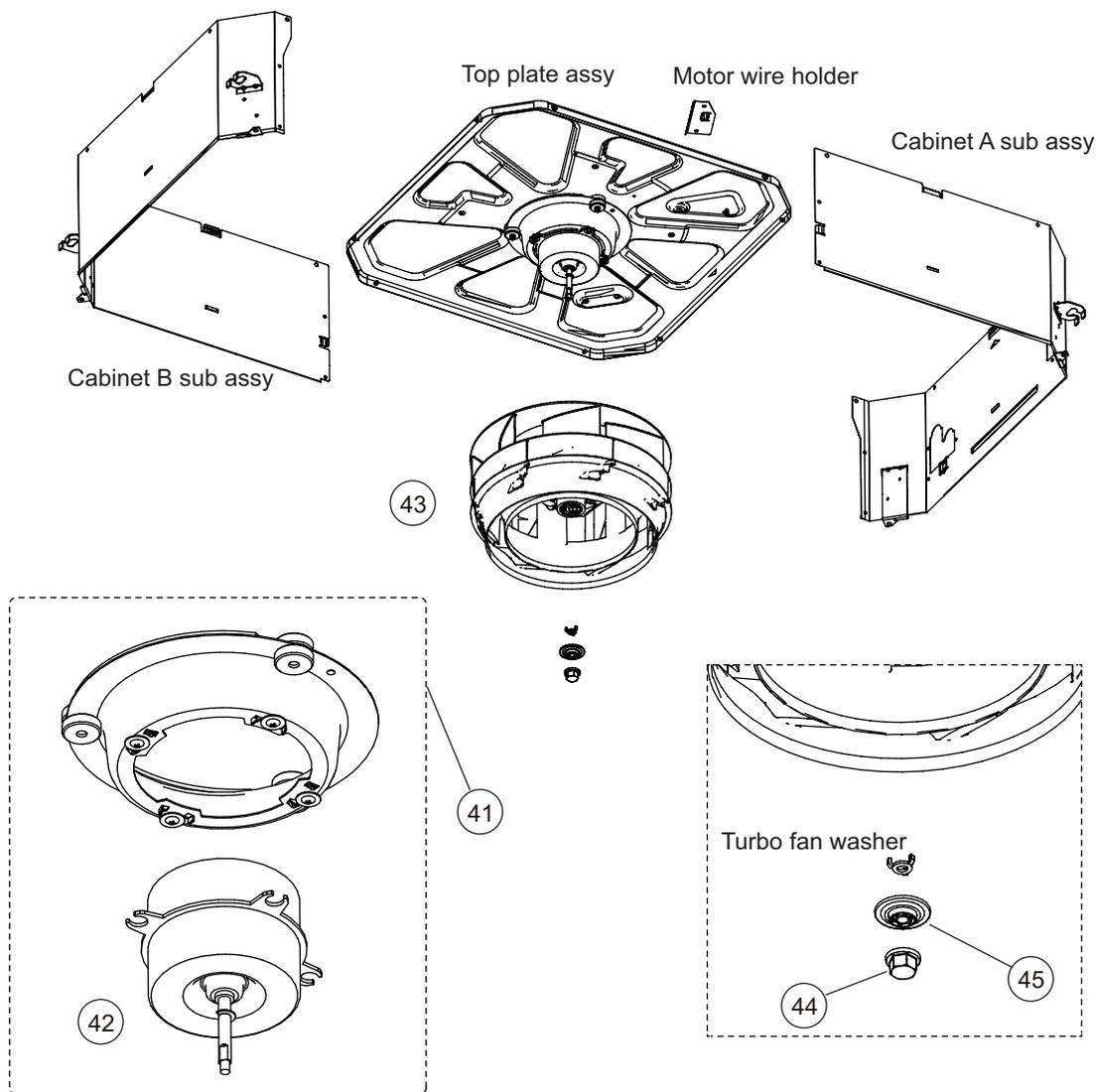
Item no.	Part no.	Part name
21	N/A	Wire cover
22	N/A	Pipe cover
23	9375503017	Bell-mouth hood
24	9375477011	Thermistor holder
25	9377765024	Drain pan sub assy (For 07, 09, 12, 14, 18 model)
	9377765017	Drain pan sub assy (For 22 model)
26	9375718015	Drain port sub assy
27	9375721046	Float switch sub assy
28	9375717025	Drain pump sub assy
29	9375502010	Drain cap
30	9900472030	Pump assy

N/A: Not available



Item no.	Part no.	Part name
31	9375720254	Evaporator sub assy (For 07 model)
	9375720230	Evaporator sub assy (For 09, 12 model)
	9375720223	Evaporator sub assy (For 14 model)
	9375720247	Evaporator sub assy (For 18 model)
	9375720216	Evaporator sub assy (For 22 model)
32	N/A	Insulation box sub assy (For 07, 09, 12, 14, 18 model)
	N/A	Room thermistor (For 22 model)

N/A: Not available



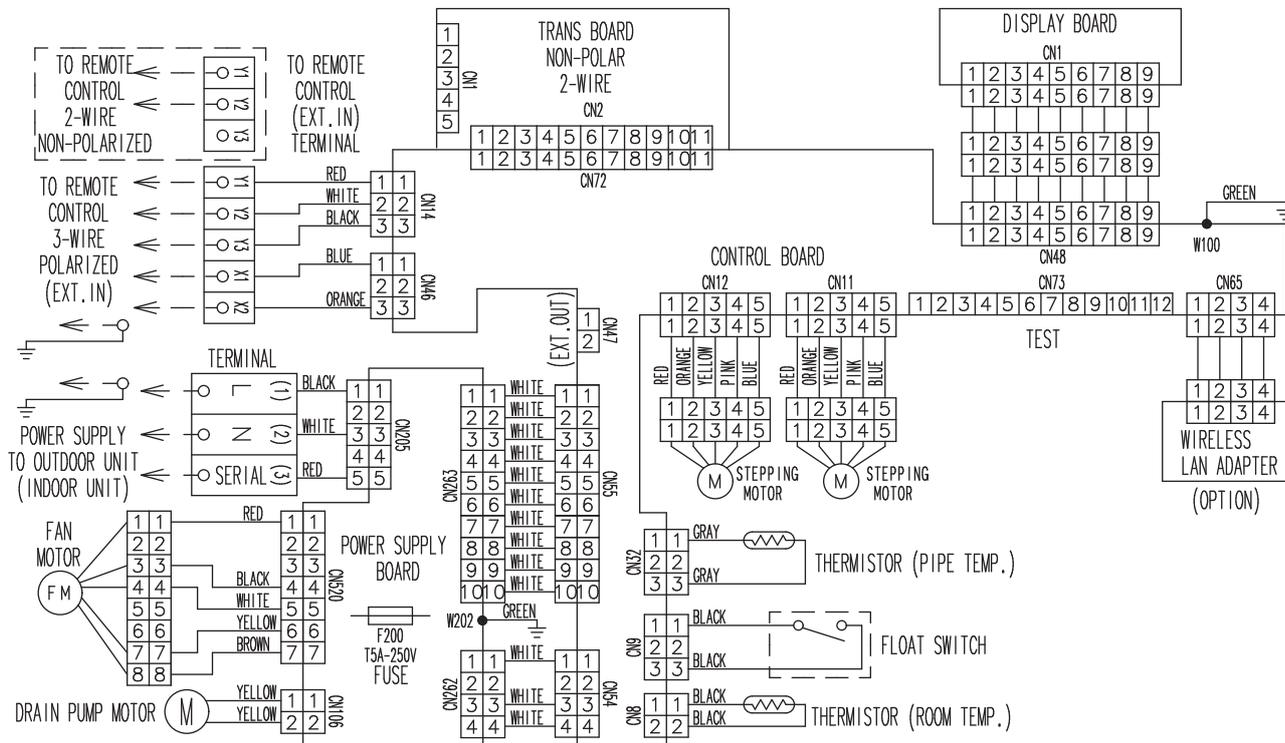
Item no.	Part no.	Part name
41	9375719012	Fan motor sub assy
42	N/A	Fan motor
43	9375480011	2 stage turbo fan assy
44	N/A	Shaft cap
45	N/A	Washer cover
—	9707449013	Wire with connector (CN11 on Main PCB—Stepping motor)
—	9711277008	Wire with connector (CN12 on Main PCB—Stepping motor)
—	9710177088	Wire with connector (CN46 on Main PCB—Terminal block [Ex. in])
—	9711275004	Wire with connector (CN48 on Main PCB—CN1 on Indicator PCB of Cassette Grille)
—	9710171000	Wire with connector (CN54 on Main PCB—CN262 on Power supply PCB)
—	9710172007	Wire with connector (CN55 on Main PCB—CN263 on Power supply PCB)
—	9710173080	Wire with connector (CN14 on Main PCB—Terminal block [RC])
—	9710703034	Wire with connector (CN205 on Power supply PCB—Terminal block 3P)
—	9711278012	Wire with connector (CN520 on Power supply PCB—DC fan motor)

N/A: Not available

8. Wiring diagrams

8-1. Compact cassette type

Models: AUXG07-22KVLA



TECHNICAL DATA AND PARTS LIST

TECHNICAL DATA AND PARTS LIST