

# SERVICE MANUAL



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Indoor unit	Outdoor unit
ACUH07LUAS1	AOU18RLXFZ
ACUH09LUAS1	
ACUH12LUAS1	
UTG-CCGFGA	
ADUH07LUAS1	
ADUH09LUAS1	
ADUH12LUAS1	
ASU7RLF1	
ASU9RLF1	
ASU12RLF1	
ASUH07LPAS	
ASUH09LPAS	
ASUH12LPAS	
AGU9RLF	
AGU12RLF	

# Specifications (Indoor unit)

## 1. Compact cassette type

Model name				ACUH07LUAS1	ACUH09LUAS1	ACUH12LUAS1	
Power supply				208/230 V ~ 60 Hz			
Available voltage range				187—264 V			
Capacity			Btu/h class	7,000	9,000	12,000	
Input power			W	18		23	
Running current			A	0.15		0.19	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	318 (540)	359 (610)	
			MED		288 (490)	312 (530)	
			LOW		259 (440)	277 (470)	
			QUIET		230 (390)	241 (410)	
		Heating	HIGH		318 (540)	359 (610)	
			MED		288 (490)	312 (530)	
			LOW		259 (440)	277 (470)	
			QUIET		230 (390)	241 (410)	
	Type × Q'ty			Turbo × 1			
	Motor output		W	54			
Sound pressure level *1		Cooling	HIGH	dB (A)	33	37	
			MED		31	33	
			LOW		29	31	
			QUIET		27	28	
		Heating	HIGH		34	37	
			MED		32	33	
			LOW		29	31	
			QUIET		27	28	
Heat exchanger type		Dimensions (H × W × D)		in (mm)	Main 1: 8-4/16 × 51-9/16 × 1/2 (210 × 1,310 × 13.3) Main 2: 8-4/16 × 49-3/16 × 1/2 (210 × 1,250 × 13.3)		
		Fin pitch		FPI	Main 1: 21 Main 2: 21		
		Rows × Stages			Main 1: 1 × 10 Main 2: 1 × 10		
		Pipe type			Copper tube		
		Fin type			Aluminum		
Dimensions (H × W × D)	Net		in (mm)	9-5/8 × 22-7/16 × 22-7/16 (245 × 570 × 570)			
	Gross			10-7/16 × 28-3/4 × 24-5/8 (265 × 730 × 625)			
Weight	Net		lb (kg)	33 (15)			
	Gross			40 (18)			
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)			
		Gas		Ø3/8 (Ø9.52)			
	Method			Flare			
Operation range		Cooling	°F (°C)	64 to 90 (18 to 32)			
			%RH	80 or less			
		Heating	°F (°C)	60 to 86 (16 to 30)			
Drain hose	Material		in (mm)	HARD PVC			
	Tip diameter			Ø1 (Ø25) (I.D.), Ø1-1/4 (Ø32) (O.D.)			
Remote controller (Option)				Wired, Wireless, Mobile app*2 [FGLair™]			
Cassette grille (Grid type: Option)		Model name		UTG-CCGFGA			
		Material		PS			
		Color		White			
				Approximate color of Munsell 9PB 9.1/0.2			
		Dimensions (H × W × D)	Net	in (mm)	1-15/16 × 24-7/16 × 24-7/16 (49 × 620 × 620)		
			Gross		4-3/4 × 30-1/8 × 29-3/4 (120 × 765 × 755)		
		Weight	Net	lb (kg)	5.0 (2.3)		
Gross	10 (4.5)						
<b>NOTES:</b> <ul style="list-style-type: none"><li>The protective function might work when using it outside the operation range.</li><li>*1: Sound pressure level:<ul style="list-style-type: none"><li>Measured values in manufacturer's anechoic chamber.</li><li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li><li>*2: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.</li></ul>							

## 2. Slim duct type

Model name				ADUH07LUAS1		ADUH09LUAS1		ADUH12LUAS1		
Power supply				208/230 V ~ 60 Hz						
Available voltage range				187—264 V						
Capacity			Btu/h class	7,000		9,000		12,000		
Input power			W	33		49		58		
Running current			A	0.30				0.35		
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	324 (550)		353 (600)		382 (650)	
			MED		288 (490)		324 (550)		353 (600)	
			LOW		277 (470)		294 (500)		324 (550)	
			QUIET		259 (440)		265 (450)		283 (480)	
		Heating	HIGH		324 (550)		353 (600)		382 (650)	
			MED		288 (490)		324 (550)		353 (600)	
			LOW		277 (470)		294 (500)		324 (550)	
			QUIET		259 (440)		265 (450)		283 (480)	
	Type × Q'ty		Sirocco × 2							
	Motor output		W	80		81				
Recommended static pressure			inWG (Pa)	0 to 0.36 (0 to 90)						
Sound pressure level *1	Cooling	HIGH	dB (A)	28				29		
		MED		26		27		28		
		LOW		25		26		27		
		QUIET		24		25		26		
	Heating	HIGH		28				29		
		MED		26				28		
		LOW		25				27		
		QUIET		24						
Heat exchanger type	Dimensions (H × W × D)		in (mm)	11-9/16 × 19-11/16 × 1-9/16 (294 × 500 × 39.9)						
	Fin pitch		FPI	20						
	Rows × Stages			2 × 14		3 × 14				
	Pipe type			Copper tube						
	Fin type			Aluminum						
Enclosure	Material			Steel sheet						
	Color			—						
Dimensions (H × W × D)	Net		in (mm)	7-13/16 × 27-9/16 × 24-7/16 (198 × 700 × 620)						
	Gross			10-13/16 × 37-3/16 × 30-3/8 (274 × 945 × 772)						
Weight	Net		lb (kg)	35 (16)		37 (17)				
	Gross			46 (21)		49 (22)				
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)						
		Gas		Ø3/8 (Ø9.52)						
Method				Flare						
	Cooling			°F (°C)		64 to 90 (18 to 32)				
		%RH		80 or less						
Operation range	Heating		°F (°C)		60 to 86 (16 to 30)					
	Remote controller (Option)			Wired, Mobile app*2 [FGLair™]						
Drain hose	Material			HARD PVC						
	Tip diameter		in (mm)	Ø1 (Ø25) (I.D.), Ø1-1/4 (Ø32) (O.D.)						
NOTES:										
<ul style="list-style-type: none"><li>The protective function might work when using it outside the operation range.</li><li>*1: Sound pressure level:<ul style="list-style-type: none"><li>Measured values in manufacturer's anechoic chamber.</li><li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li><li>*2: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.</li></ul>										

### 3. Wall mounted type (ASU7-12RLF1)

Model name				ASU7RLF1		ASU9RLF1		ASU12RLF1			
Power supply				208/230 V ~ 60 Hz							
Available voltage range				187—264 V							
Capacity			Btu/h class	7,000		9,000		12,000			
Input power			W	15		17		22			
Running current			A	0.13		0.15		0.19			
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	330 (560)		353 (600)		388 (660)		
			MED		294 (500)		306 (520)		330 (560)		
			LOW		253 (430)		253 (430)		265 (450)		
			QUIET		182 (310)		182 (310)		182 (310)		
		Heating	HIGH		330 (560)		353 (600)		388 (660)		
			MED		294 (500)		306 (520)		330 (560)		
			LOW		253 (430)		253 (430)		277 (470)		
			QUIET		194 (330)		194 (330)		194 (330)		
	Type × Q'ty			Crossflow fan × 1							
	Motor output			W	30						
Sound pressure level *	Cooling	HIGH	dB (A)	36		37		40			
		MED		32		33		36			
		LOW		29		29		30			
		QUIET		21		21		21			
	Heating	HIGH		36		37		40			
		MED		32		33		36			
		LOW		29		29		31			
		QUIET		22		22		22			
Heat exchanger type		Dimensions (H × W × D)		in (mm)		Main: 12-5/8 × 24-13/16 × 13/16 (320 × 630 × 20) Sub: 3-5/16 × 24-13/16 × 1/2 (84 × 630 × 13.3)					
		Fin pitch		FPI		Main: 23, Sub: 18					
		Rows × Stages				Main: 2 × 20, Sub: 1 × 4					
		Pipe type				Copper tube					
		Fin type				Aluminum					
Enclosure	Material			Polystyrene							
	Color			White Approximate color of Munsell N 9.25/							
Dimensions (H × W × D)	Net		in (mm)	10-9/16 × 33-1/16 × 8 (268 × 840 × 203)							
	Gross			10-5/8 × 34-13/16 × 14-3/4 (270 × 884 × 336)							
Weight	Net		lb (kg)	19 (8.5)							
	Gross			23 (10.5)							
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)							
		Gas		Ø3/8 (Ø9.52)							
Method				Flare							
Drain hose	Material			PP + HDPE							
	Tip diameter		in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15.0 to 16.8) (O.D.)							
Operation range		Cooling	°F (°C)	64 to 90 (18 to 32)							
			%RH	80 or less							
		Heating	°F (°C)	60 to 86 (16 to 30)							
Remote controller type				Wireless (Wired [option])							
NOTES:											
<ul style="list-style-type: none"><li>• The protective function might work when using it outside the operation range.</li><li>• *Sound pressure level:<ul style="list-style-type: none"><li>– Measured values in manufacturer's anechoic chamber.</li><li>– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li></ul>											



## 4. Wall mounted type (ASUH07-12LPAS)

Model name				ASUH07LPAS		ASUH09LPAS		ASUH12LPAS				
Power supply				208/230 V ~ 60 Hz								
Available voltage range				187—264 V								
Capacity				Btu/h class		7,000		9,000		12,000		
Input power				W		18		22		26		
Running current				A		0.18		0.20		0.24		
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	383 (650)		412 (700)		412 (700)			
			MED		318 (540)		330 (560)		330 (560)			
			LOW		253 (430)		253 (430)		253 (430)			
			QUIET		188 (320)		188 (320)		182 (310)			
		Heating	HIGH		424 (720)		441 (750)		453 (770)			
			MED		341 (580)		359 (610)		377 (640)			
			LOW		271 (460)		277 (470)		306 (520)			
			QUIET		194 (330)		194 (330)		182 (310)			
	Type × Q'ty			Crossflow fan × 1								
	Motor output			W		49						
Sound pressure level*1		Cooling	HIGH	dB (A)	38		40					
			MED		33		34		35			
			LOW		29				30			
			QUIET		21							
		Heating	HIGH		41		42					
			MED		35		36		38			
			LOW		31				33			
			QUIET		22							
Heat exchanger type	Dimensions (H × W × D)		in (mm)		Main1: 8-1/4 × 26-5/16 × 1-1/16 (210 × 668 × 26.6) Main2: 4-7/16 × 26-5/16 × 13/16 (112 × 668 × 20)				Main1: 8-1/4 × 26-5/16 × 1-1/16 (210 × 668 × 26.6) Main2: 4-7/16 × 26-5/16 × 13/16 (112 × 668 × 20) Sub: 3-5/16 × 26-5/16 × 1/2 (84 × 668 × 13.3)			
	Fin pitch		FPI		Man1: 21 Main2: 23				Man1: 21 Main2: 23 Sub: 18			
	Rows × Stages			Main1: 2 × 10 Main2: 2 × 7				Main1: 2 × 10 Main2: 2 × 7 Sub: 1 × 4				
	Pipe type			Copper								
	Fin type			Aluminum								
Enclosure	Material			Polystyrene								
	Color			White Approximate color of Munsell N 9.25/								
Dimensions (H × W × D)	Net		in (mm)	10-5/8 × 32-13/16 × 8-3/4 (270 × 834 × 222)								
	Gross			10-7/8 × 36 × 13-1/16 (277 × 914 × 332)								
Weight	Net		lb (kg)	21 (9.5)				22 (10.0)				
	Gross			26 (12.0)				29 (13.0)				
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)								
		Gas		Ø3/8 (Ø9.52)								
Drain hose	Method			Flare								
	Material			PP+HDPE								
Operation range	Tip diameter		in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to 21/32 (Ø15.0 to 16.8) (O.D.)								
	Cooling	°F (°C)		64 to 90 (18 to 32)								
		%RH		80 or less								
Remote controller type	Heating		°F (°C)		60 to 86 (16 to 30)							
				Wireless (Wired, Mobile app*2 [FGLair™] [option])								
<b>NOTES:</b> <ul style="list-style-type: none"><li>• The protective function might work when using it outside the operation range.</li><li>• *1: Sound pressure level:<ul style="list-style-type: none"><li>— Measured values in manufacturer's anechoic chamber.</li><li>— Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li><li>• *2: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.</li></ul>												

## 6. Floor type

Model name				AGU9RLF		AGU12RLF			
Power supply				208/230 V ~ 60 Hz					
Available voltage range				187—264 V					
Capacity				Btu/h class		9,000		12,000	
Input power				W		16		20	
Running current				A		0.15		0.18	
Fan	Airflow rate	Cooling	HIGH	CFM (m³/h)	312 (530)		353 (600)		
			MED		259 (440)		288 (490)		
			LOW		212 (360)		224 (380)		
			QUIET		159 (270)		159 (270)		
		Heating	HIGH		312 (530)		353 (600)		
			MED		270 (460)		300 (510)		
			LOW		224 (380)		241 (410)		
			QUIET		159 (270)		159 (270)		
	Type × Q'ty			Crossflow fan × 2					
	Motor output			W		16			
Sound pressure level *				dB (A)	39		42		
					34		36		
					28		30		
					22		22		
					39		42		
					35		38		
					30		32		
					22		22		
Heat exchanger type				Dimensions (H × W × D)		in (mm)		14-7/8 × 21-5/8 × 1-1/16 (378 × 550 × 26.6)	
				Fin pitch		FPI		21	
				Rows × Stages				2 × 18	
				Pipe type				Copper tube	
				Fin type				Aluminum	
Enclosure	Material			Polystyrene					
	Color			White (Approximate color of Munsell N 9.25/)					
Dimensions (H × W × D)	Net		in (mm)	23-5/8 × 29-1/8 × 7-7/8 (600 × 740 × 200)					
	Gross			27-9/16 × 32-5/16 × 12-3/16 (700 × 820 × 310)					
Weight	Net		lb (kg)	31 (14)					
	Gross			37 (17)					
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35)					
		Gas		Ø3/8 (Ø9.52)					
		Method		Flare					
Drain hose	Material			PVC					
	Size			Ø9/16 (Ø13.8) (I.D.), Ø11/16 (Ø16.7) (O.D.)					
Operation range		Cooling	°F (°C)		64 to 90 (18 to 32)				
			%RH		80 or less				
		Heating	°F (°C)		60 to 86 (16 to 30)				
Remote controller type				Wireless (Wired [option])					
NOTES:									
<ul style="list-style-type: none"><li>The protective function might work when using it outside the operation range.</li><li>*Sound pressure level:<ul style="list-style-type: none"><li>Measured values in manufacturer's anechoic chamber.</li><li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li></ul></li></ul>									

# Specifications (Outdoor unit)

## Model: AOU18RLXFZ

Type				Inverter, Heat pump		
Model name				AOU18RLXFZ		
Power source				1Ø 208/230 V 60 Hz		
Available voltage range				187—264V		
Connectable indoor unit			Number	2		
			Total capacity range	14,000 to 21,000 Btu/h		
Combination of indoor unit				Non-duct ASU9RLF1 × 2	Duct ADUH09LUAS1 × 2	Mix
Capacity	Cooling	Rated	Btu/h	18,000		
			kW	5.28		
		Min.—Max.	Btu/h	6,100—21,000		
			kW	1.8—6.2		
	Heating	Rated	Btu/h	22,000		
			kW	6.42		
		Min.—Max.	Btu/h	6,800—24,400		
			kW	2.0—7.2		
	Heating (17°F)*1	Rated	Btu/h	13,900		
			kW	4.07		
		Min.—Max.	Btu/h	4,300—16,300		
			kW	1.26—4.78		
Heating (5°F)*2	Rated	Btu/h	11,000	11,500	11,200	
		kW	3.22	3.37	3.28	
	Min.—Max.	Btu/h	3,700—13,880			
		kW	1.08—4.07			
Input power	Cooling	Rated	kW	1.44	1.49	—
		Max.		2.06	2.14	—
	Heating	Rated		1.87	1.83	—
		Max.		2.10	2.08	—
	Heating (17°F)*1	Rated		1.57	1.53	—
		Max.		2.08		—
	Heating (5°F)*2	Rated		1.73	1.81	—
		Max.		2.06		—
Current	Cooling	Rated	A	6.3	6.6	6.4
	Heating			8.2	8.0	8.1
EER2	Cooling	Rated	Btu/hW	12.5	12.1	12.3
SEER2	Cooling		Btu/hW	18.0	16.3	17.15
COP2	Heating	Rated	kW/kW	3.44	3.52	3.48
HSPF2	Heating		Btu/hW	8.7		
Power factor	Cooling	Rated	%	99.4	98.2	—
	Heating		99.2	99.5	—	
Starting current			A	8.2		
Maximum operating current*3			A	10.0		
Fan	Type × Qty			Propeller × 1		
	Airflow rate	Cooling		1,795 (3,050)		
		Heating		1,619 (2,750)		
	Motor	Type × Quantity			DC motor × 1	
Output		W	100			
Sound pressure level*4		Cooling	Rated	49		
		Heating		49		
Heat exchanger		Dimension (H × W × D)		in (mm)	26-7/16 × 35-7/16 × 1-7/16 (672 × 900 × 36.38)	
		Fin pitch		FPI	18	
		Rows × Stages			2 × 32	
		Pipe type (Material)			Grooved H-pin (Copper)	
		Fin	Type (Material)	Corrugate (Aluminum)		
Surface treatment	Corrosion resistance (Blue Fin)					
Compressor	Type			DC twin rotary		
	Motor output		W	1,100		
Refrigerant		Type	R410A			
		Charge	lb (g)	4 lb 14 oz (2,200)		
Refrigerant oil		Type	POE			
		Amount	in <sup>3</sup> (cm <sup>3</sup> )	39.7 (650)		
Enclosure		Material			Painted galvanized steel	
		Color			Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)	
Dimensions	Net	(H × W × D)	in (mm)	27-9/16 × 35-7/16 × 13 (700 × 900 × 330)		
	Gross			34-1/16 × 41-5/16 × 17-1/2 (865 × 1,050 × 445)		
Weight	Net		lb (kg)	119 (54)		
	Gross			137 (62)		
Connection pipe	Size	Liquid	in (mm)	Ø1/4 (Ø6.35) × 2		
		Gas		Ø3/8 (Ø9.52) × 2		
	Method			Flare		
	Pre-charge length (Total)			98 (30)		
	Max. length (Total)			164 (50)		
	Max. length (Each)			82 (25)		
	Min. length (Total)			49 (15)		
	Min. length (Each)			16 (5)		
	Max. height difference between outdoor unit and each indoor units			49 (15)		
Max. height difference between indoor units			33 (10)			
Operation range		Cooling	°F (°C)	14 to 115 (-10 to 46)		
		Heating		5 to 75 (-15 to 24)		

Type	Inverter, Heat pump
Model name	AOU18RLXFZ
<b>NOTES:</b> <ul style="list-style-type: none"> <li>Specifications are based on the following conditions: <ul style="list-style-type: none"> <li>Cooling: Indoor temperature of 80°FDB (26.7°CDB)/67°FWB (19.4°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°FWB (23.9°CWB).</li> <li>Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 47°FDB (8.3°CDB)/43°FWB (6.1°CWB).</li> <li>*1: Heating (17°F): Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 17°FDB (-8.3°CDB)/15°FWB (-9.44°CWB).</li> <li>*2: Heating (5°F): Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°FWB (-15.56°CWB).</li> <li>Test conditions are based on AHRI 210/240 2023.</li> <li>Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)</li> </ul> </li> <li>Protective function might work when using it outside the operation range.</li> <li>*3: Maximum current: <ul style="list-style-type: none"> <li>The maximum value when operated within the operation range.</li> <li>The total current of indoor unit and outdoor unit.</li> </ul> </li> <li>*4: Sound pressure level: <ul style="list-style-type: none"> <li>Measured values in manufacturer's anechoic chamber.</li> <li>Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li> </ul> </li> </ul>	

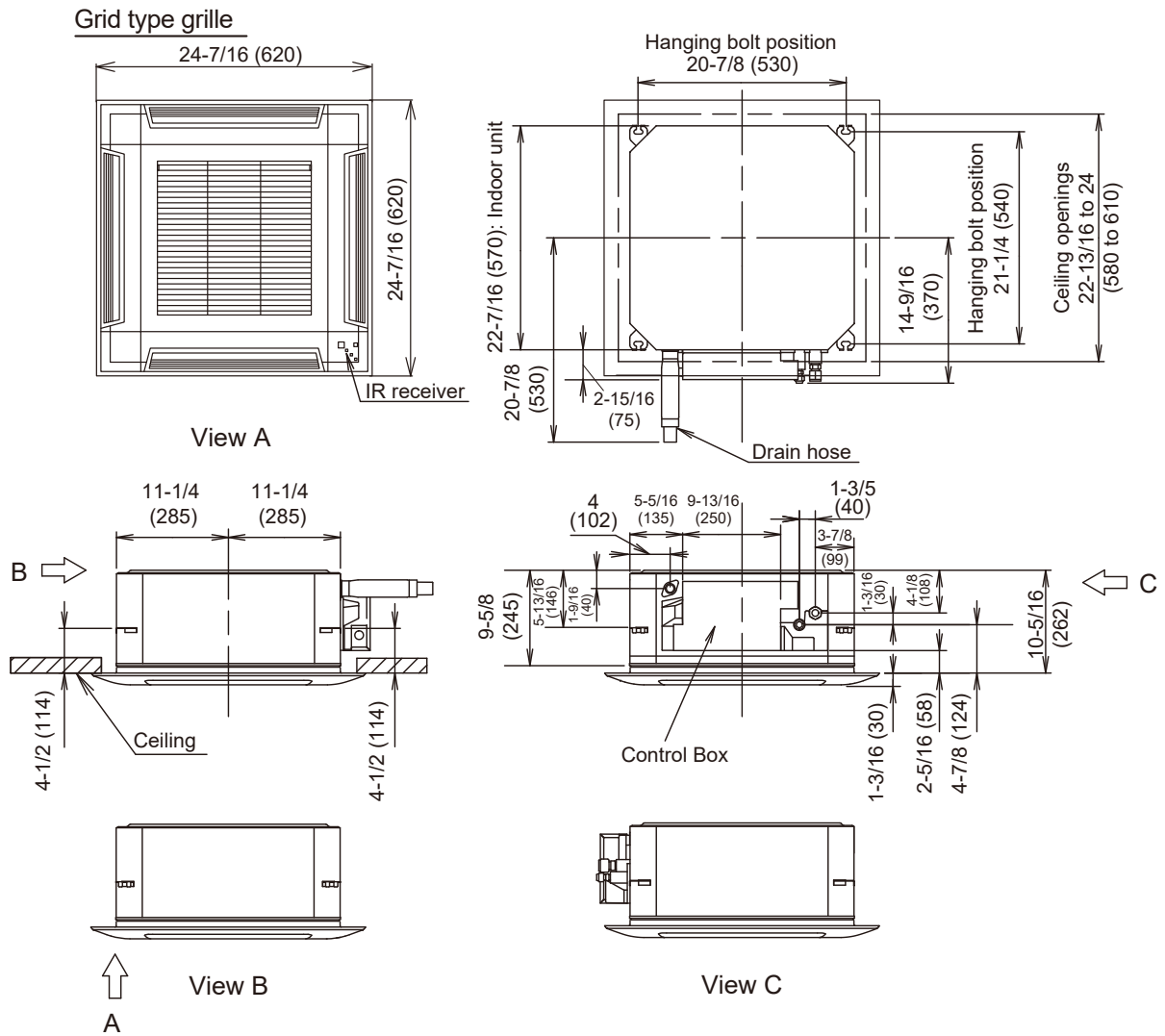
M condition						
Model name				AOU18RLXFZ		
Capacity	Cooling	Rated	Btu/h	18,000		
			kW	5.28		
		Min.—Max.	Btu/h	6,100—21,000		
			kW	1.8—6.2		
	Heating	Rated	Btu/h	22,000		
			kW	6.42		
		Min.—Max.	Btu/h	6,800—24,400		
			kW	2.0—7.2		
	Heating (17°F)*	Rated	Btu/h	13,900		
			kW	4.07		
Min.—Max.		Btu/h	4,300—16,300			
		kW	1.26—4.78			
Input power	Cooling	Rated	kW	1.44	1.49	—
		Max.		2.06	2.14	—
	Heating	Rated		1.87	1.83	—
		Max.		2.10	2.08	—
	Heating (17°F)*	Rated		1.87	1.83	—
		Max.		2.10	2.08	—
Current	Cooling	Rated	A	6.3	6.6	6.4
	Heating			8.2	8.0	8.1
EER	Cooling	Rated	Btu/hW	12.5	12.1	12.3
SEER	Cooling		Btu/hW	18.0	16.0	17.0
COP	Heating	Rated	kW/kW	3.44	3.52	3.48
HSPF	Heating		Btu/hW	9.3	9.0	9.15
Power factor	Cooling	Rated	%	99.4	98.2	—
	Heating			99.2	99.5	—
NOTES:						
<ul style="list-style-type: none"><li>Specifications are based on the following conditions:<ul style="list-style-type: none"><li>Power source of specifications : 230 V</li><li>Pipe length: 24.6 ft (7.5 m), Height difference: 0 ft (0 m) [Outdoor unit—Indoor unit]</li><li>Cooling: Indoor temperature of 80°FDB (26.7°CDB)/67°FWB (19.4°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°FWB (23.9°CWB).</li><li>Heating: Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.6°CWB), and outdoor temperature of 47°FDB (8.3°CDB)/43°FWB (6.1°CWB).</li><li>*: Heating (17°F): Indoor temperature of 70°FDB (21.1°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB)/15°FWB (-9.44°CWB).</li><li>Test conditions are based on AHRI 210/240 2017.</li></ul></li><li>For other combination, refer to the combination table.</li><li>The protective function might work when using it outside the operation range.</li></ul>						

# Dimensions (Indoor unit)

## 1. Compact cassette type

■ Models: ACUH07LUAS1, ACUH09LUAS1, and ACUH12LUAS1

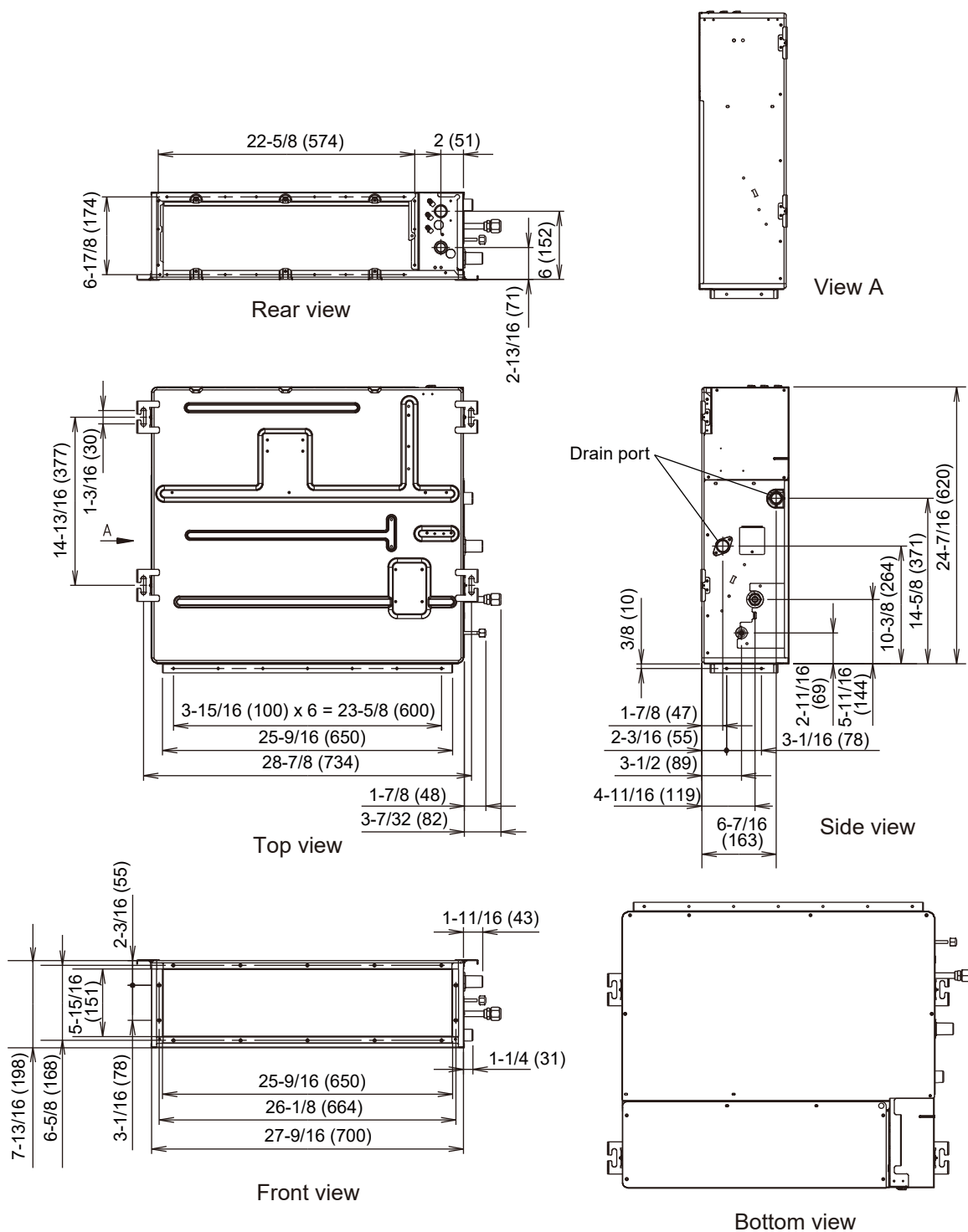
Unit: in (mm)



## 2. Slim duct type

■ Models: ADUH07LUAS1, ADUH09LUAS1, and ADUH12LUAS1

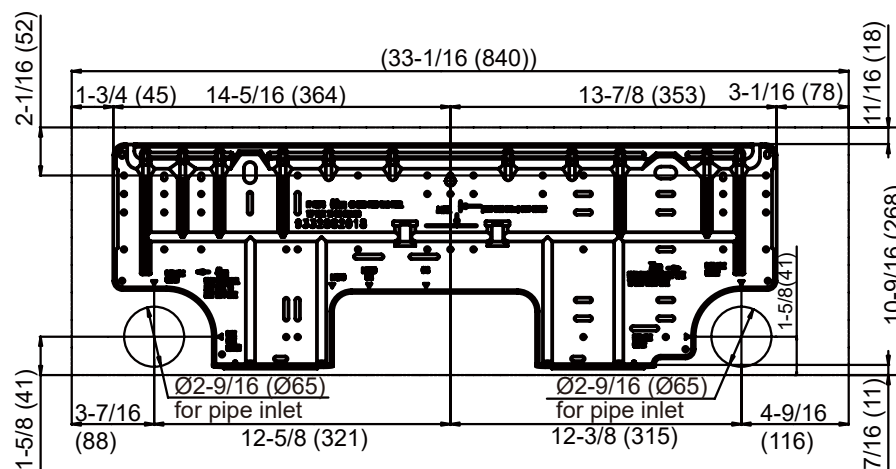
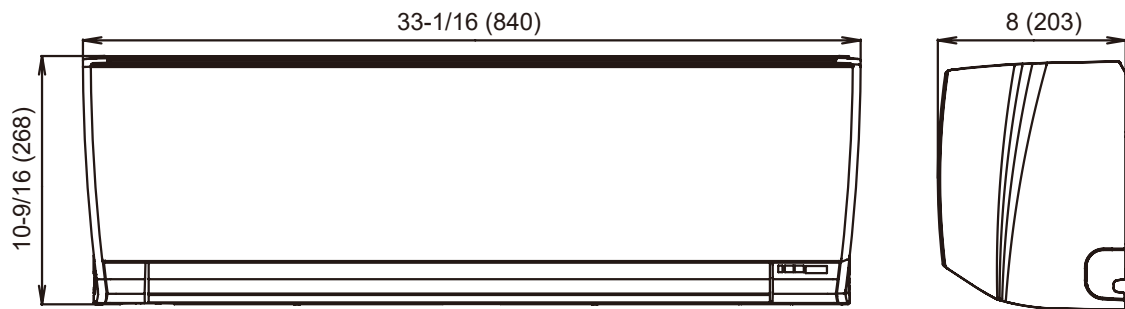
Unit: in (mm)



### 3. Wall mounted type

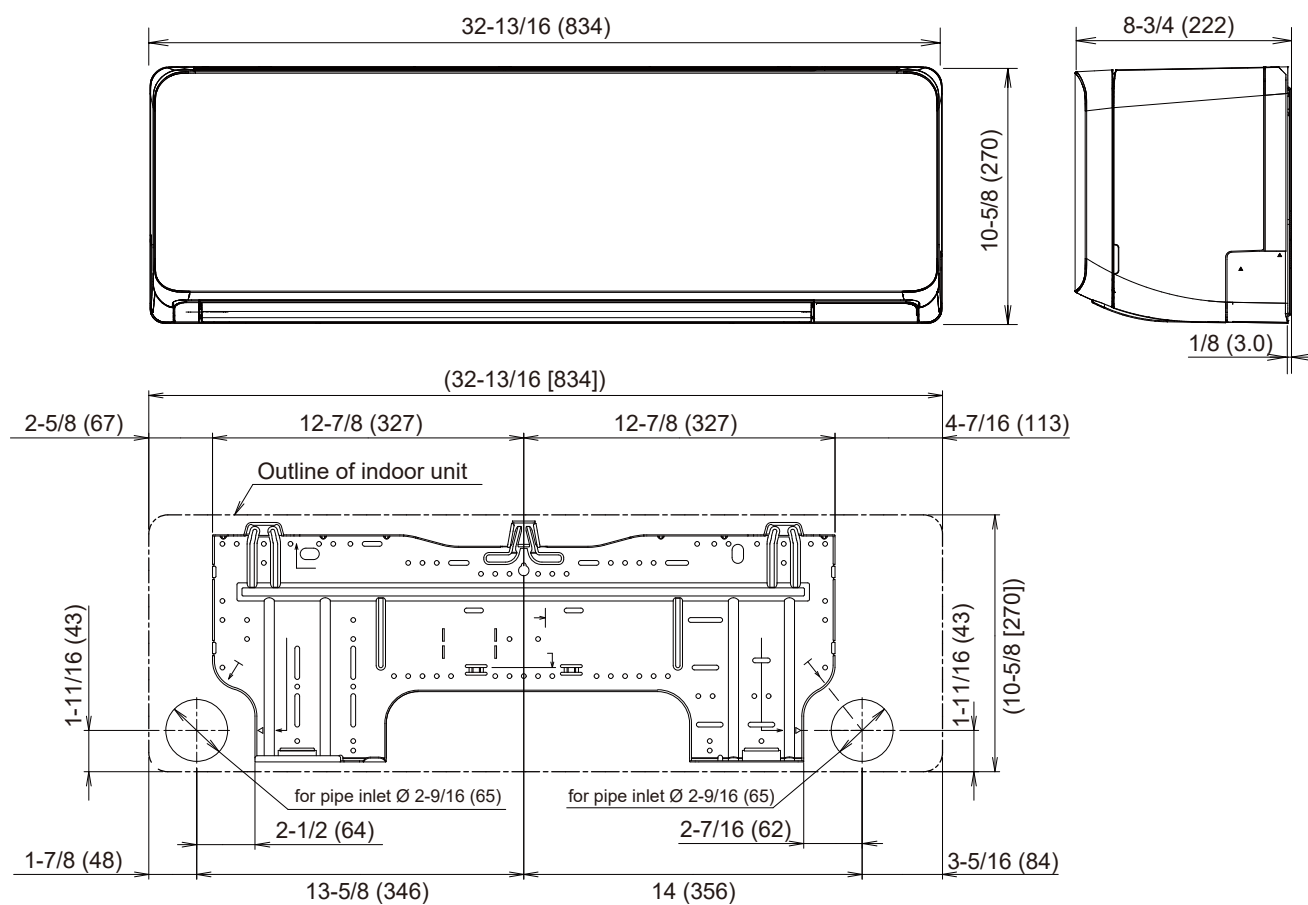
■ **Models: ASU7RLF1, ASU9RLF1, ASU12RLF1, and ASU15RLF1**

Unit: in (mm)



## ■ Models: ASUH07LPAS, ASUH09LPAS, and ASUH12LPAS

Unit: in (mm)

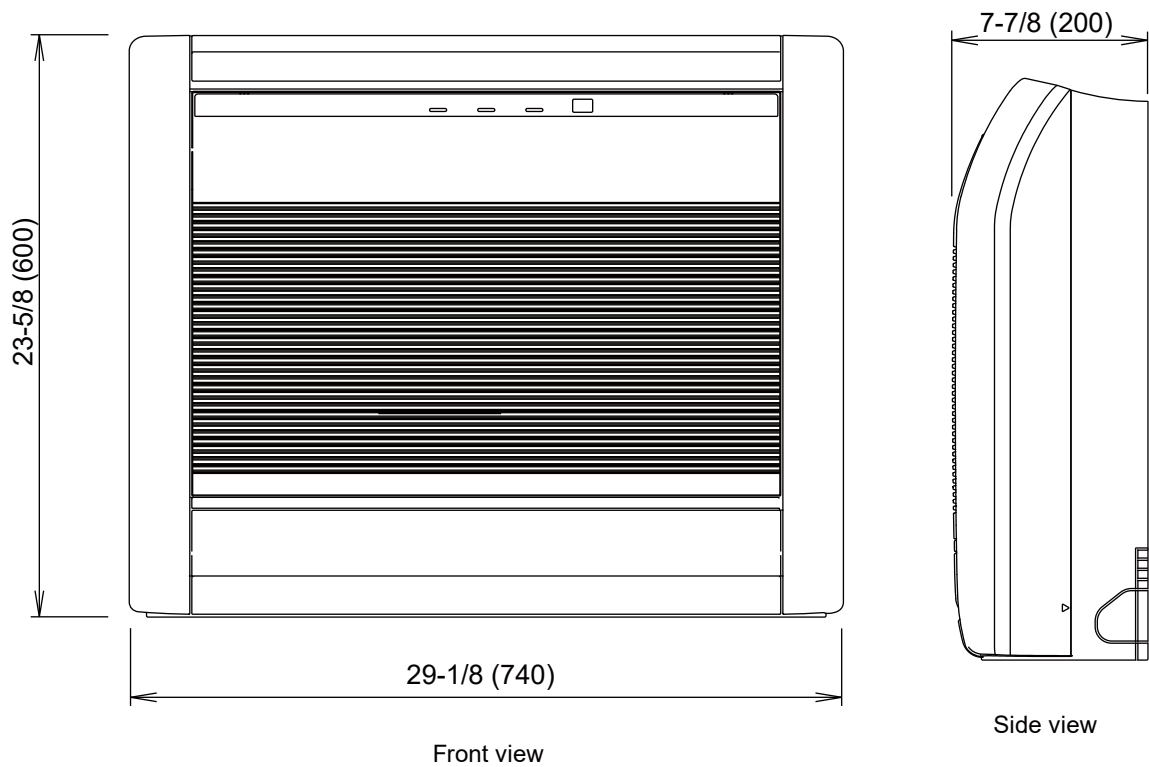




## 4. Floor type

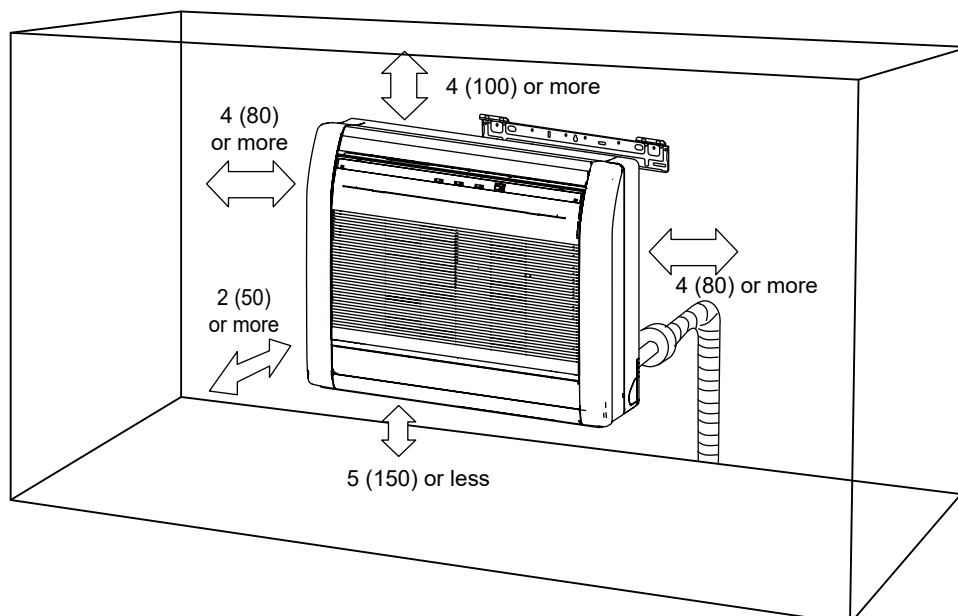
### ■ Models: AGU9RLF and AGU12RLF

Unit: in (mm)



### ■ Installation space requirement

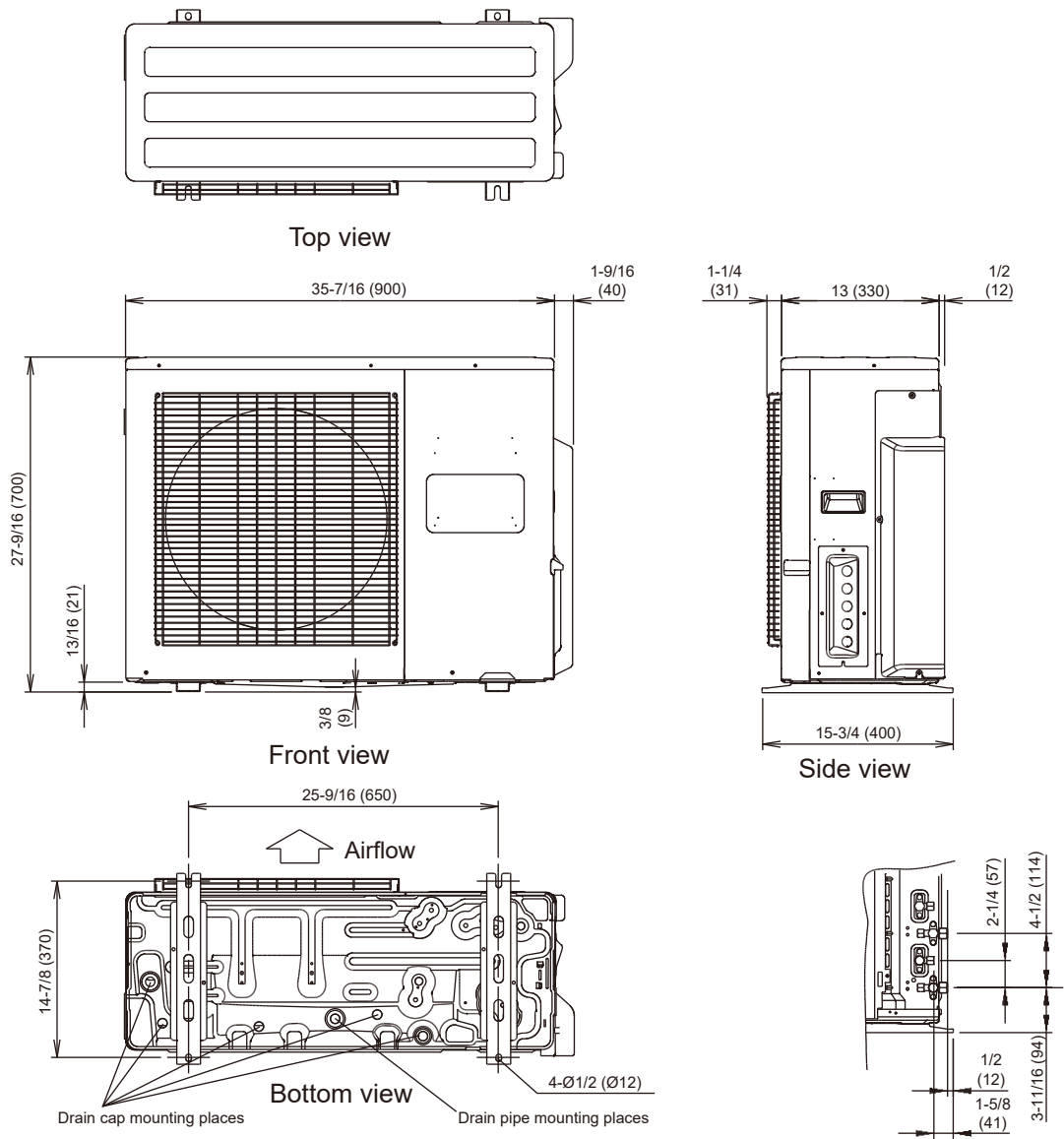
Unit: in (mm)



# Dimensions (Outdoor unit)

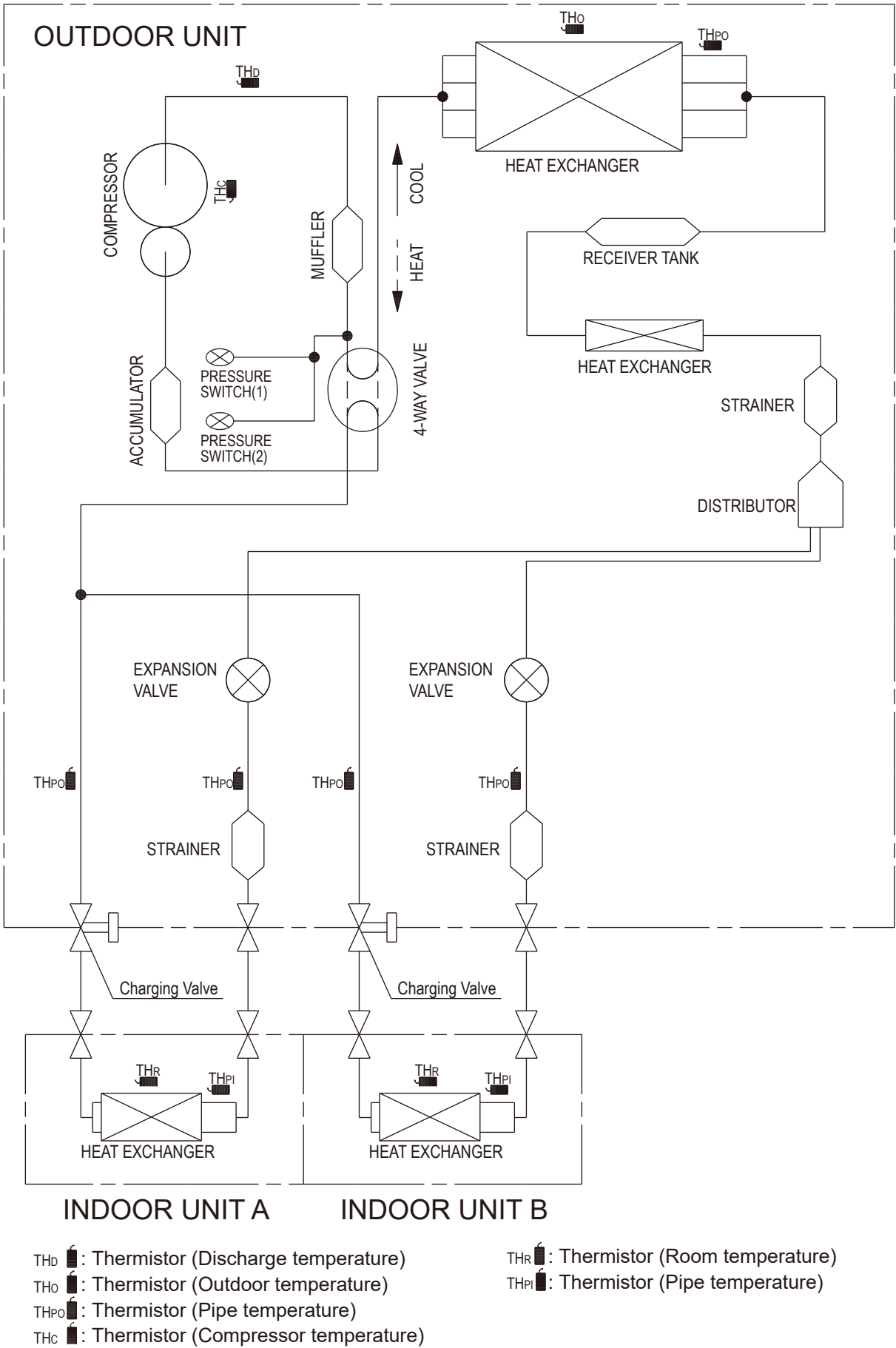
Model: AOU18RLXFZ

Unit: in (mm)



# Refrigerant circuit

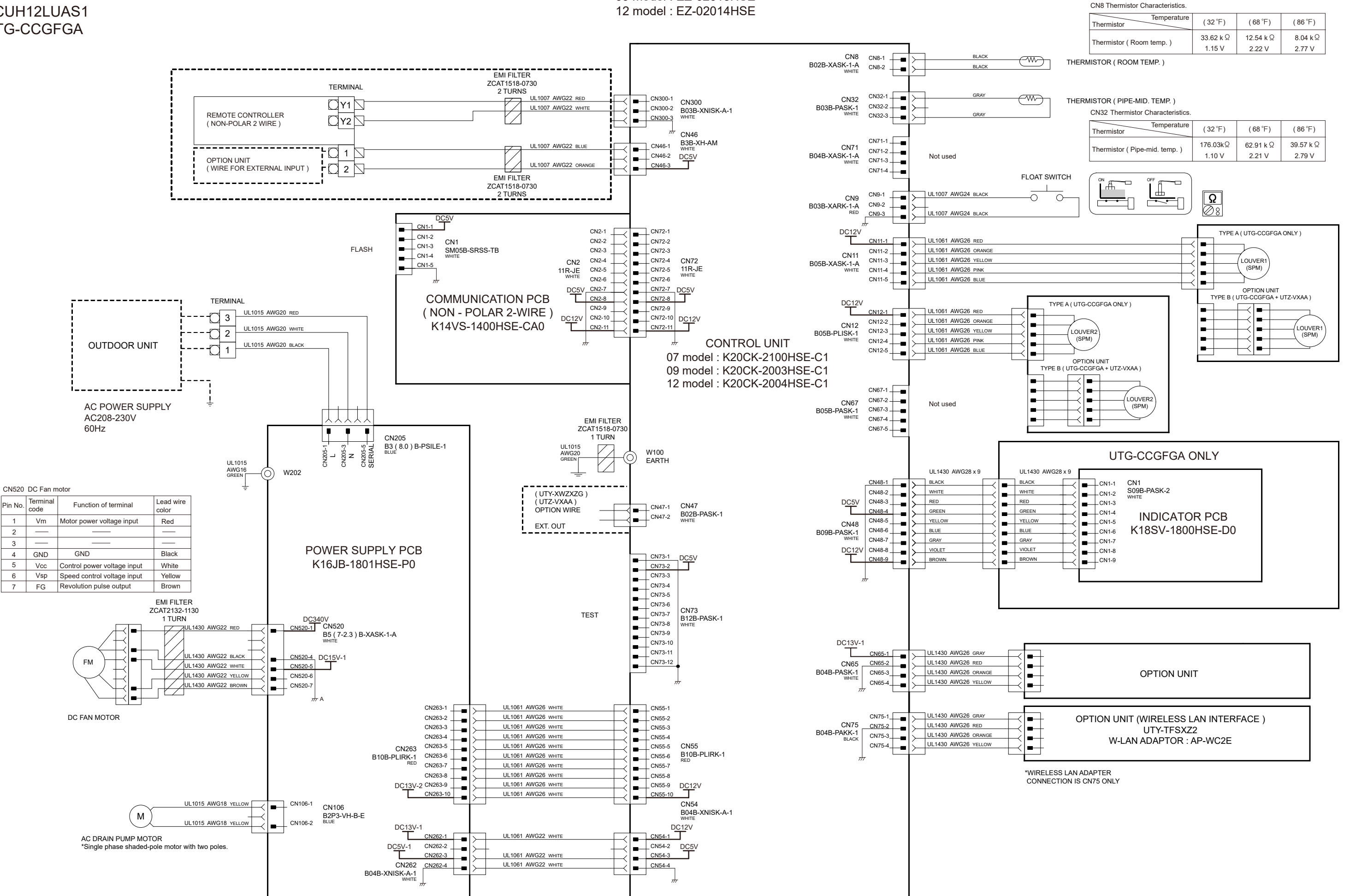
Model: AOU18RLXFZ



PCB Circuit diagram

INDOOR UNIT  
ACUH07LUAS1  
ACUH09LUAS1  
ACUH12LUAS1  
UTG-CCGFGA

CONTROL UNIT  
07 model : EZ-021BHSE  
09 model : EZ-02013HSE  
12 model : EZ-02014HSE



CN8 Thermistor Characteristics.

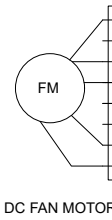
Thermistor	Temperature	( 32 °F )	( 68 °F )	( 86 °F )
Thermistor ( Room temp. )		33.62 k Ω	12.54 k Ω	8.04 k Ω
		1.15 V	2.22 V	2.77 V

CN32 Thermistor Characteristics.

Thermistor	Temperature	( 32 °F )	( 68 °F )	( 86 °F )
Thermistor ( Pipe-mid. temp. )		176.03k Ω	62.91 k Ω	39.57 k Ω
		1.10 V	2.21 V	2.79 V

CN520 DC Fan motor

Pin No.	Terminal code	Function of terminal	Lead wire color
1	Vm	Motor power voltage input	Red
2	—	—	—
3	—	—	—
4	GND	GND	Black
5	Vcc	Control power voltage input	White
6	Vsp	Speed control voltage input	Yellow
7	FG	Revolution pulse output	Brown



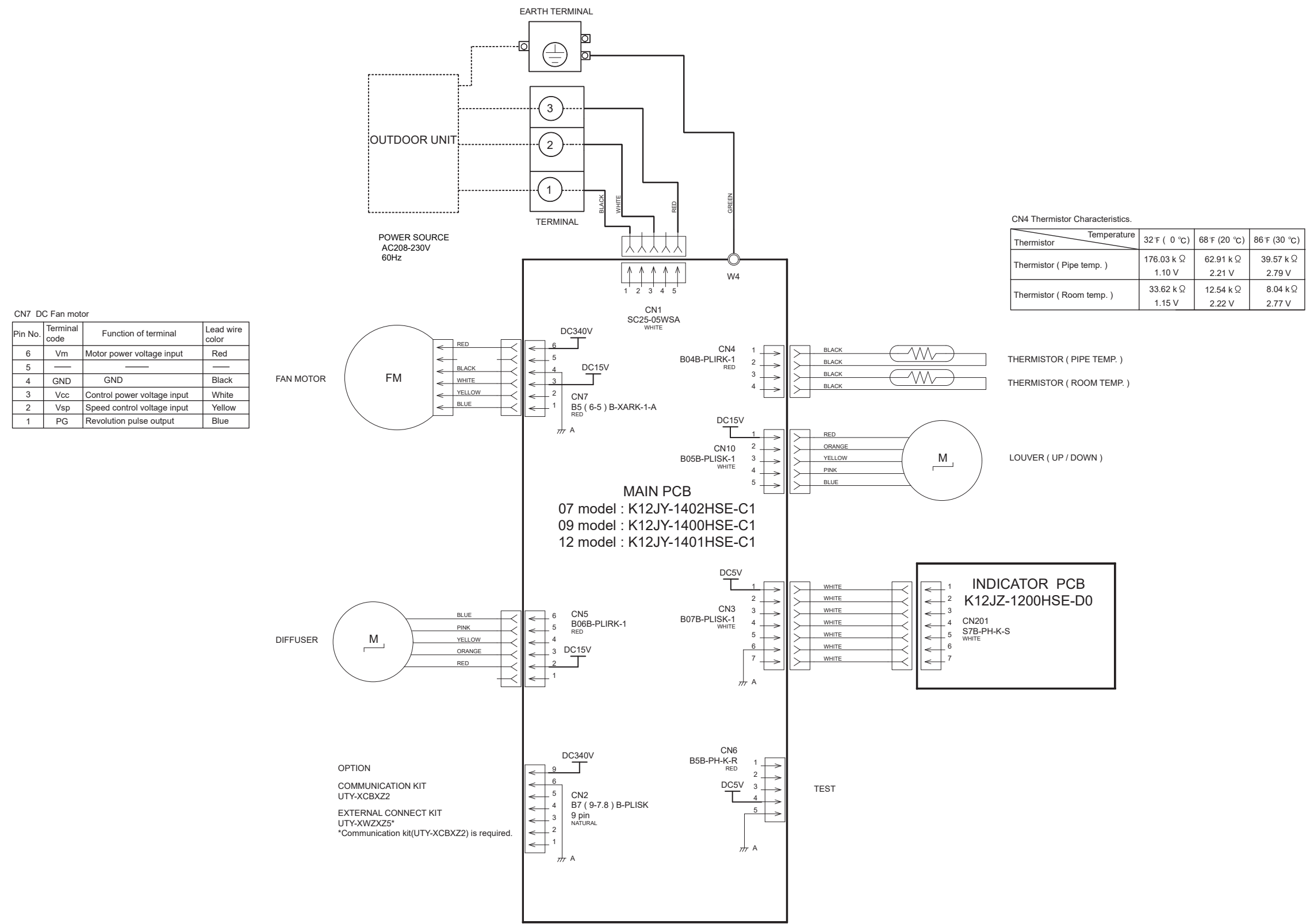
AC DRAIN PUMP MOTOR  
\*Single phase shaded-pole motor with two poles.

\*WIRELESS LAN ADAPTER CONNECTION IS CN75 ONLY



INDOOR UNIT  
ASU7RLF1  
ASU9RLF1  
ASU12RLF1

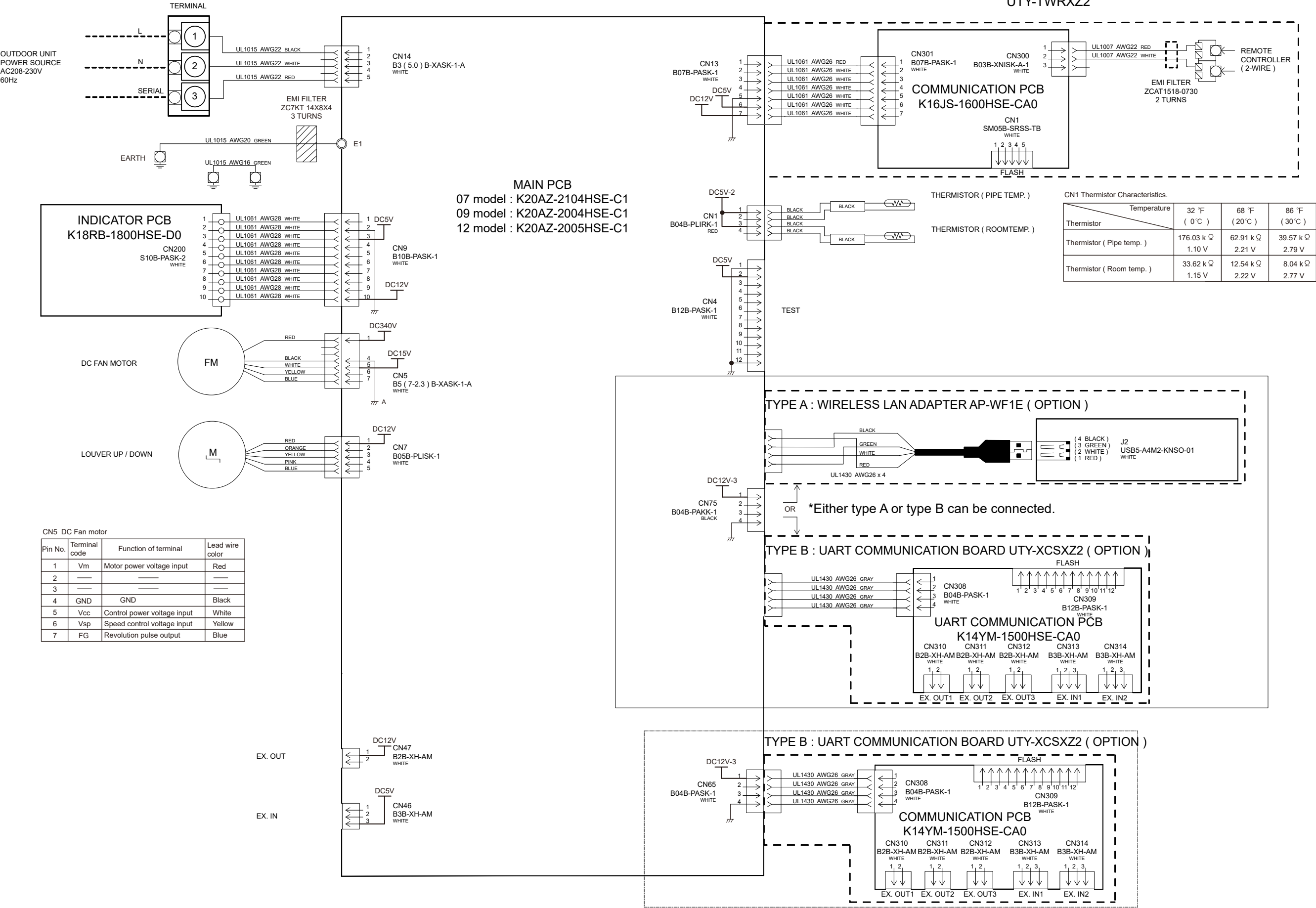
CONTROL UNIT  
07 model : EZ-0131DHSE  
09 model : EZ-0130WHSE  
12 model : EZ-0130YHSE



INDOOR UNIT  
ASUH07LPAS  
ASUH09LPAS  
ASUH12LPAS

CONTROL UNIT  
07 model : EZ-021GHSE  
09 model : EZ-0201CHSE  
12 model : EZ-0201DHSE

2-WIRE REMOTE CONTROL UNIT ( OPTION )  
UTY-TWRXZ2

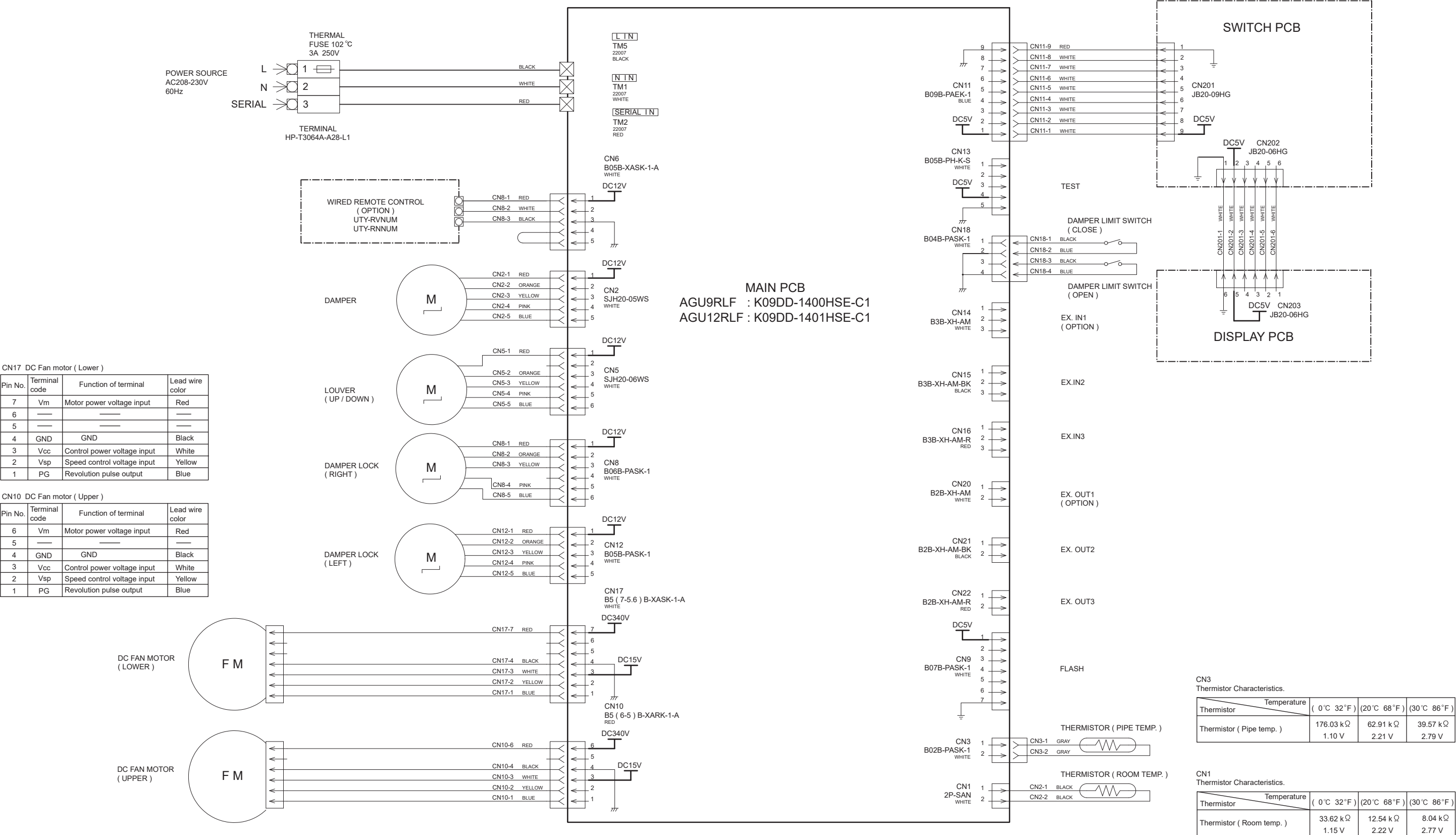




INDOOR UNIT  
AGU9RLF  
AGU12RLF

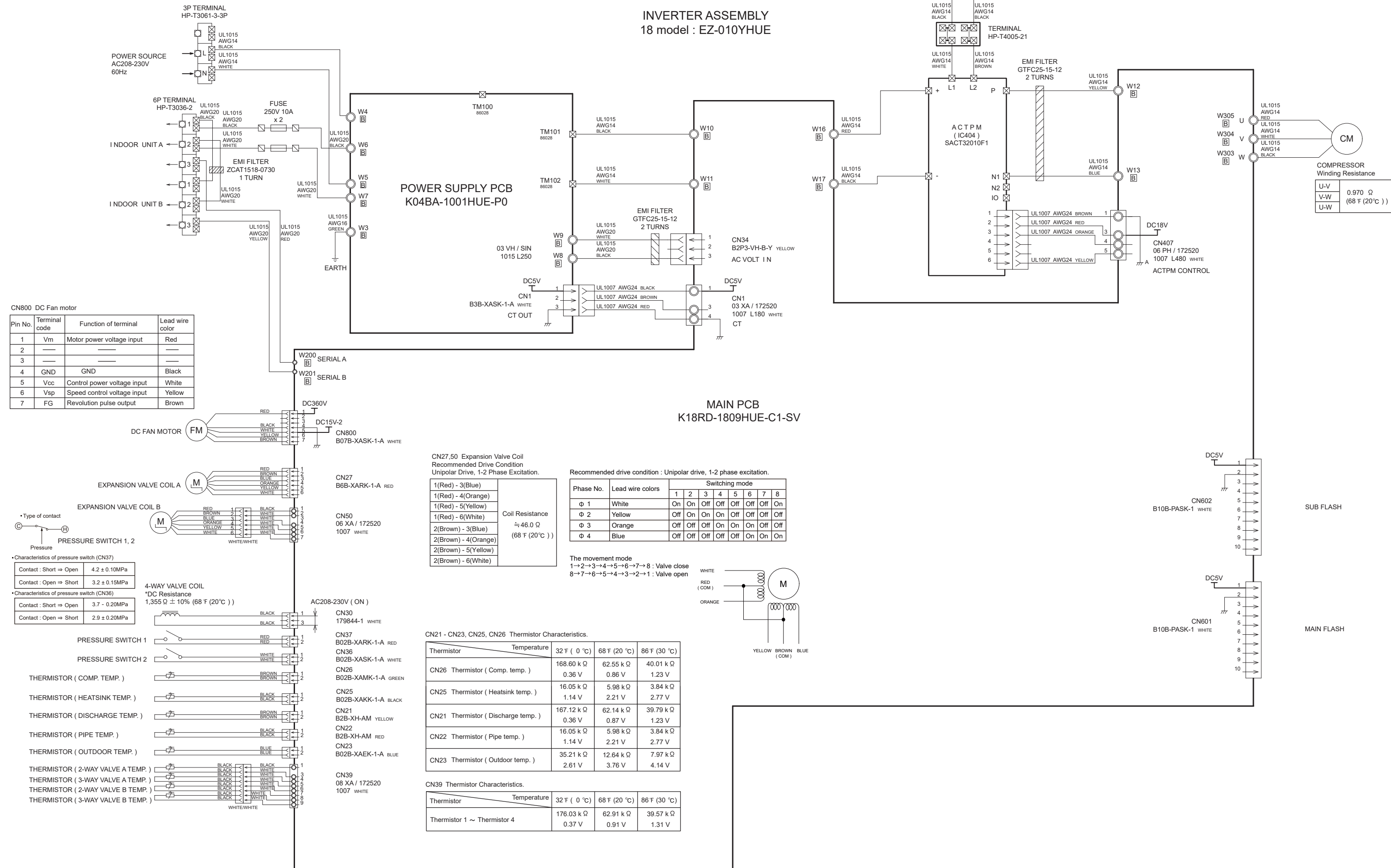
CONTROL UNIT  
AGU9RLF : EZ-01302HSE  
AGU12RLF : EZ-01303HSE

I NDICATOR PCB ( SWITCH + DISPLAY )  
K06DD-0801HSE-F0





OUTDOOR UNIT  
AOU18RLXFZ



# Error detection

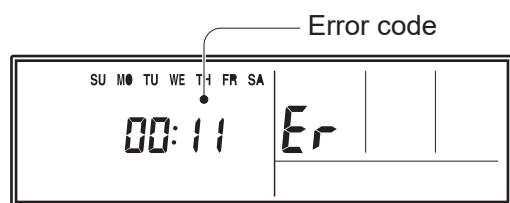
## INDOOR UNIT and WIRED REMOTE CONTROL

If you use a wireless remote control, the lamp on the photo detector unit will output error codes by way of blinking patterns.

If you use a wired type remote control, error codes will appear on the remote control display. See the lamp blinking patterns and error codes in the table. An error display is displayed only during running.

This is possible only on a wired remote control.

If an error occurs, the following display will be shown. ("Er" will appear in the set room temperature display.)



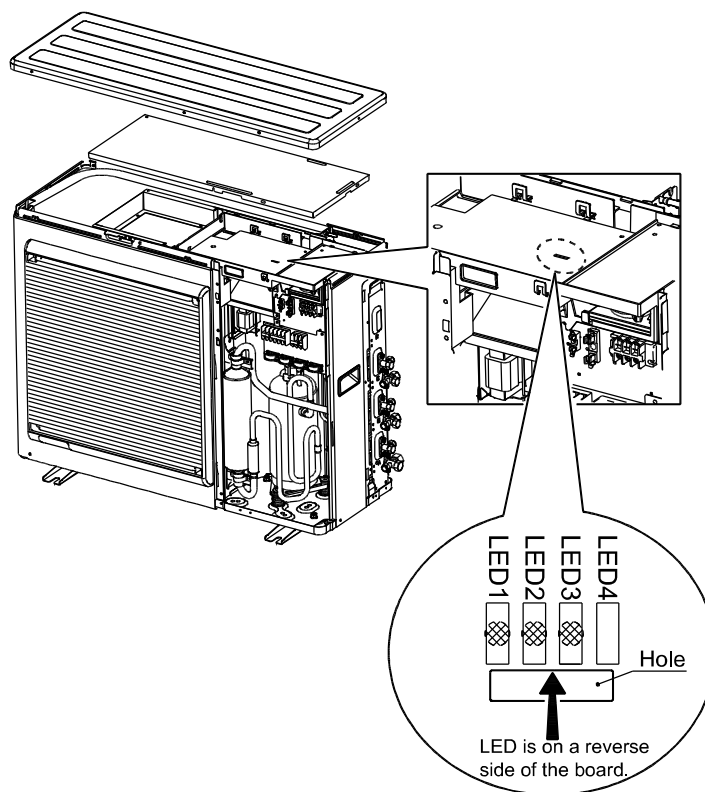
EX. Self-diagnosis

- : 0.5s on / 0.5s off
- ◇ : 0.1s on / 0.1s off
- ( ) : Number of flashing

Indoor unit			Wired remote control	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
●(1)	●(1)	◇	11	Serial communication error
●(1)	●(2)	◇	12	Wired remote control communication error
●(1)	●(5)	◇	15	Check run unfinished
●(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	<ul style="list-style-type: none"> <li>• Connection unit number error (indoor slave unit) [Simultaneous Multi]</li> <li>• Connection unit number error (indoor unit or branch unit) [Flexible Multi]</li> </ul>
●(2)	●(7)	◇	27	Master unit, slave unit set-up error [Simultaneous Multi]
●(3)	●(2)	◇	32	Indoor unit PCB model information error
●(3)	●(5)	◇	35	Manual auto switch error
●(4)	●(1)	◇	41	Inlet air temp. sensor error
●(4)	●(2)	◇	42	Indoor unit Heat Ex. Middle temp. sensor error
●(5)	●(1)	◇	51	Indoor unit fan motor error
●(5)	●(3)	◇	53	Drain pump error
●(5)	●(7)	◇	57	Damper error
●(5)	●(15)	◇	5U	Indoor unit 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

Indoor unit			Wired remote control	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
●(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	<ul style="list-style-type: none"> <li>• 2-way valve temp. sensor error</li> <li>• 3-way valve temp. sensor error</li> </ul>
●(7)	●(7)	◇	77	Heat sink temp. sensor error
●(8)	●(2)	◇	82	<ul style="list-style-type: none"> <li>• Sub-cool Heat Ex. gas inlet temp. sensor error</li> <li>• Sub-cool Heat Ex. gas outlet temp. sensor error</li> </ul>
●(8)	●(3)	◇	83	Liquid pipe temp. sensor error
●(8)	●(4)	◇	84	Current sensor error
●(8)	●(6)	◇	86	<ul style="list-style-type: none"> <li>• Discharge pressure sensor error</li> <li>• Suction pressure sensor error</li> <li>• High pressure switch error</li> </ul>
●(9)	●(4)	◇	94	Trip detection
●(9)	●(5)	◇	95	Compressor rotor position detection error (permanent stop)
●(9)	●(7)	◇	97	Outdoor unit fan motor error
●(9)	●(9)	◇	99	4-way 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)	◇	J2	Branch boxes error [Flexible Multi]

# OUTDOOR UNIT AOU18RLXFZ



Error contents	LED1	LED2	LED3
Serial Communication error (Outdoor unit to Indoor unit A)	● 1 time	—	—
Serial Communication error (Outdoor unit to Indoor unit B)	—	● 1 time	—
Serial Communication error (Outdoor unit to Indoor unit C) <sup>*1</sup>	—	—	● 1 time
Discharge temp. sensor error	● 2 times	—	—
Outdoor unit Heat Ex. middle temp. sensor error	● 3 times	—	—
Outdoor temp. sensor error	● 4 times	—	—
2-way valve temp. sensor error (for Indoor unit A)	● 5 times	—	—
2-way valve temp. sensor error (for Indoor unit B)	—	● 5 times	—
2-way valve temp. sensor error (for Indoor unit C) <sup>*1</sup>	—	—	● 5 times
3-way valve temp. sensor error (for Indoor unit A)	● 6 times	—	—
3-way valve temp. sensor error (for Indoor unit B)	—	● 6 times	—
3-way valve temp. sensor error (for Indoor unit C) <sup>*1</sup>	—	—	● 6 times
Compressor temp. sensor error	● 7 times	—	—
Heat sink temp. sensor error	● 8 times	—	—
High pressure switch 1 error	● 9 times	—	—
High pressure switch 2 error	● 10 times	—	—
Indoor unit capacity error	● 11 times	—	—
Trip detection	● 12 times	—	—
Compressor rotor position detection error	● 13 times	—	—
Trip terminal L error	● 14 times	—	—
Outdoor unit fan motor error	● 15 times	—	—
Outdoor unit PCB microcomputer communication error	● 17 times	—	—
Discharge temperature error	● 18 times	—	—
Compressor temperature error	● 19 times	—	—
4-way valve error	● 20 times	—	—
Outdoor unit PCB model information error	● 21 times	—	—
Active filter error, PFC circuit error	● 22 times	—	—

● : flashing    — : Off

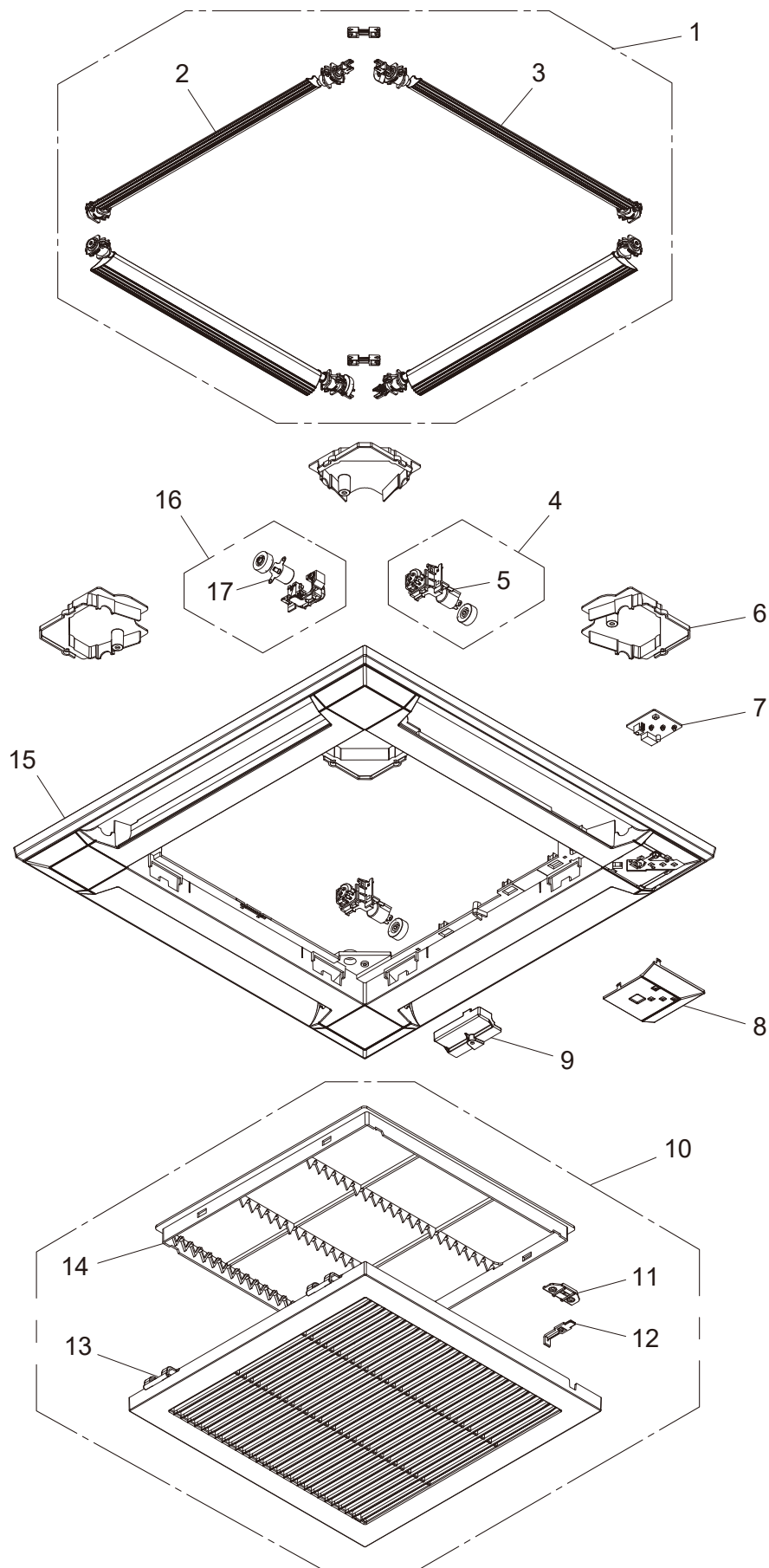
\*1: 24 type only

# Parts list

## Cassette grille (optional part) parts list

Model: UTG-CCGFGA

### Overall

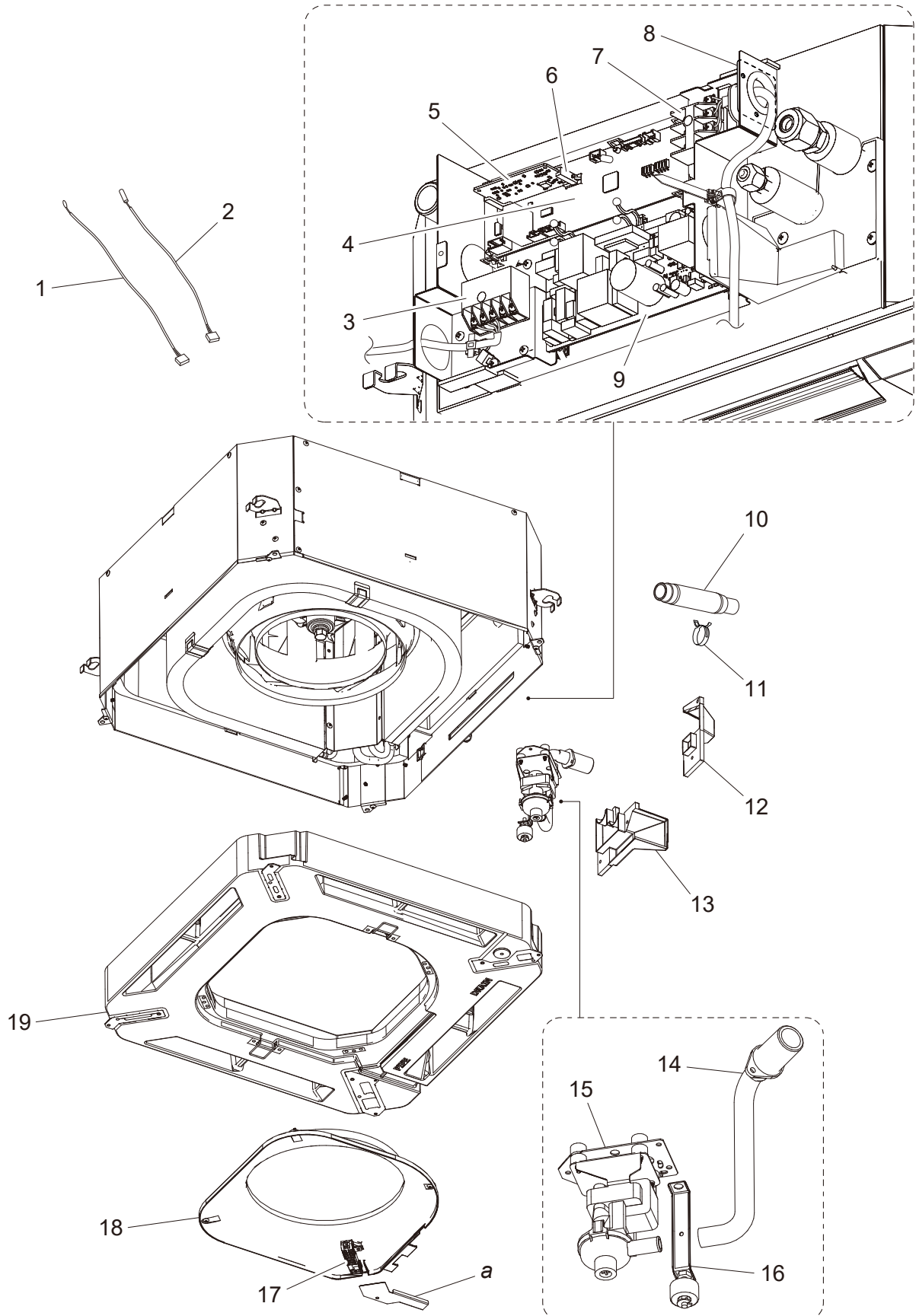


Item no.	Part no.	Part name	Service part
1	9377760043	Flap total assy	◆
2	9377759047	Flap assy B	◆
3	9375727048	Flap assy A	◆
4	9375746018	Motor holder assy B	◆
5	9900139087	Step motor (with Red connector)	◆
6	9375530013	Panel cover	◆
7	9711310002	Indicator PCB	◆
8	9383100024	Display panel assy	◆
9	9375549015	Connector cover	◆
10	9382862008	Intake grille assy	◆
11	9375546014	Hook bracket	◆
12	9375532031	Grille hook	◆
13	9382863005	Intake grille	◆
14	9375533014	Long-life filter	◆
15	9382821005	Decoration panel	◆
16	9375745011	Motor holder assy A	◆
17	9900139070	Step motor (with White connector)	◆
—	9711276001	Wire with connector	◆

## Indoor unit parts list

**Models: ACUH07LUAS1, ACUH09LUAS1, and ACUH12LUAS1**

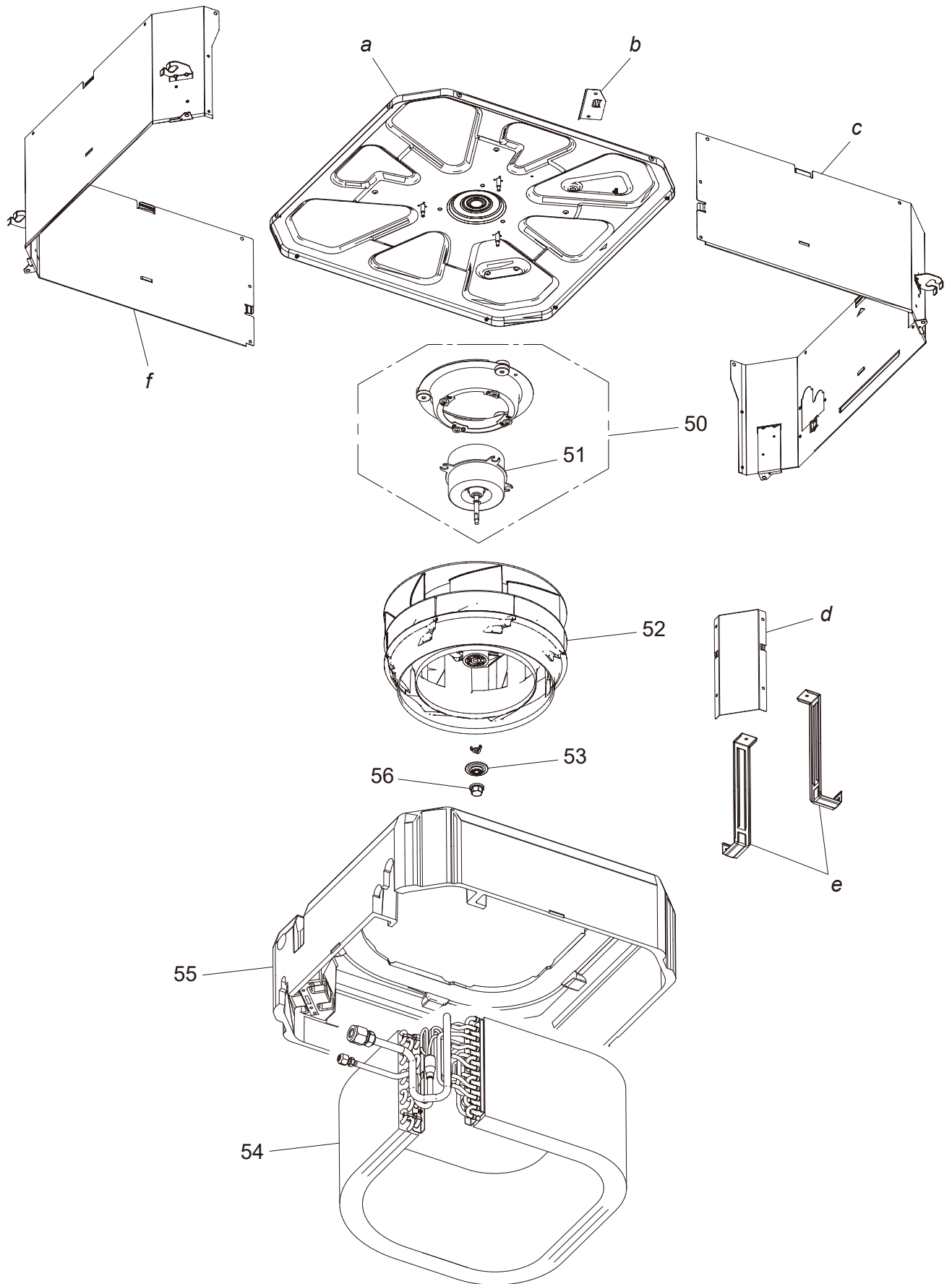
### Chassis and PC boards



Item no.	Part no.	Part name	Service part
1	9900826000	Thermistor (Room)	◆
2	9900349028	Thermistor (Pipe)	◆
3	9900896027	Terminal 5P	◆
4	9711870186	Main PCB (For 07 model)	◆
	9711870032	Main PCB (For 09 model)	◆
	9711870049	Main PCB (For 12 model)	◆
5	9710019005	Communication PCB	◆
6	0600063023	Holder	◆
7	9900568009	Terminal 3P	◆
8	9350720002	Conduit plate	◆
9	9710661020	Power supply PCB	◆
10	9379665032	Drain hose	◆
11	9379757010	Hose band	◆
12	9375516017	Wire cover	◆
13	9375515027	Pipe cover	◆
14	9375718015	Drain port sub assy	◆
15	9375717025	Drain pump sub assy	◆
16	9375721046	Float switch sub assy	◆
17	9375477011	Thermistor holder	◆
18	9375503017	Bell-mouth hood	◆
19	9377765024	Drain pan sub assy	◆
—	9707449013	Wire with connector (CN11 on Main PCB—Step motor)	◆
—	9711277008	Wire with connector (CN12 on Main PCB—Step motor)	◆
—	9710177088	Wire with connector (CN46 on Main PCB—Terminal [Ex. in])	◆
—	9711275004	Wire with connector (CN48 on Main PCB—CN1 on Indicator PCB of optional 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)	◆
—	9710343100	Wire with connector (CN300 on Main PCB—Terminal [RC])	◆
—	9710703027	Wire with connector (CN205 on Power supply PCB—Terminal 3P)	◆
—	9711278012	Wire with connector (CN520 on Power supply PCB—DC fan motor)	◆
<i>a</i>	—	Wire holder	—



## Fan and evaporator



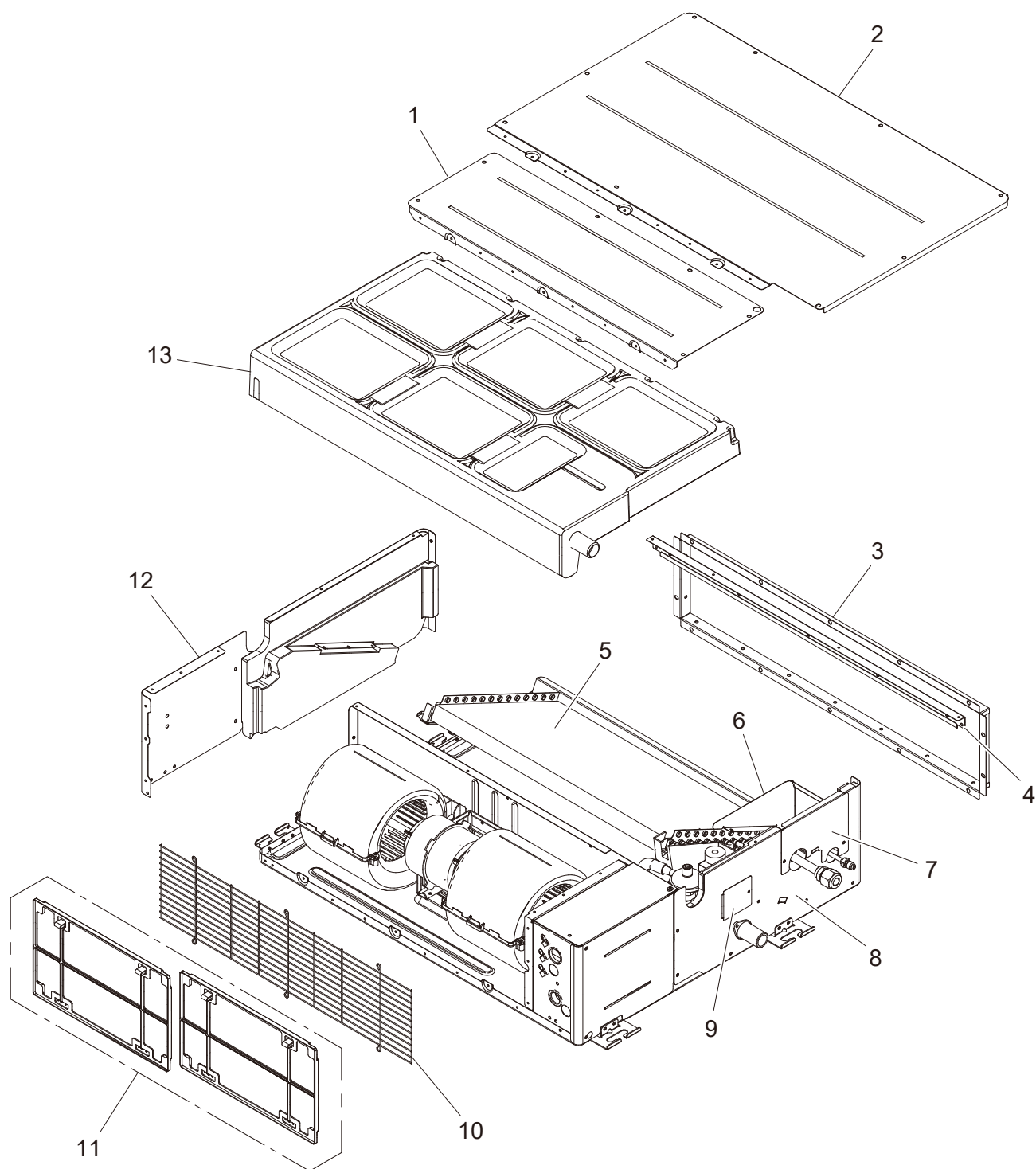


Item no.	Part no.	Part name	Service part
50	9375719029	Fan motor sub assy	◆
51	9602870004	DC fan motor	◆
52	9375480011	2-stage turbo fan assy	◆
53	9377811011	Washer cover	◆
54	9375720391	Evaporator sub assy (For 07 model)	◆
	9375720384	Evaporator sub assy (For 09 and 12 models)	◆
55	9377764065	Insulation box sub assy	◆
56	9377807014	Shaft cap	◆
<i>a</i>	—	Top plate assy	—
<i>b</i>	—	Motor wire holder	—
<i>c</i>	—	Cabinet A sub assy	—
<i>d</i>	—	Separate wall	—
<i>e</i>	—	Evaporator holder	—
<i>f</i>	—	Cabinet B sub assy	—

## Indoor unit parts list (Slim duct type)

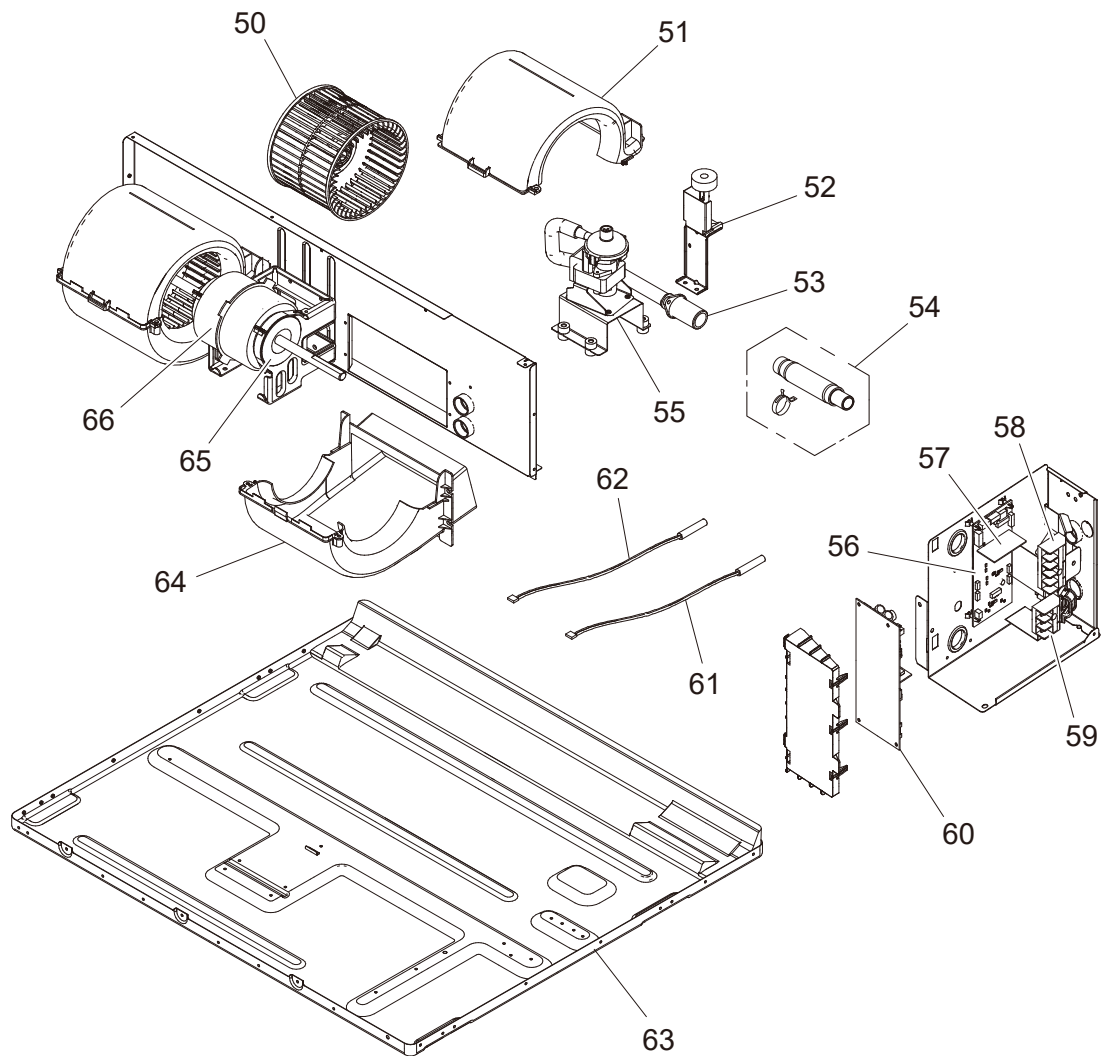
Models: ADUH07LUAS1, ADUH09LUAS1, and ADUH12LUAS1

### Exterior parts and chassis



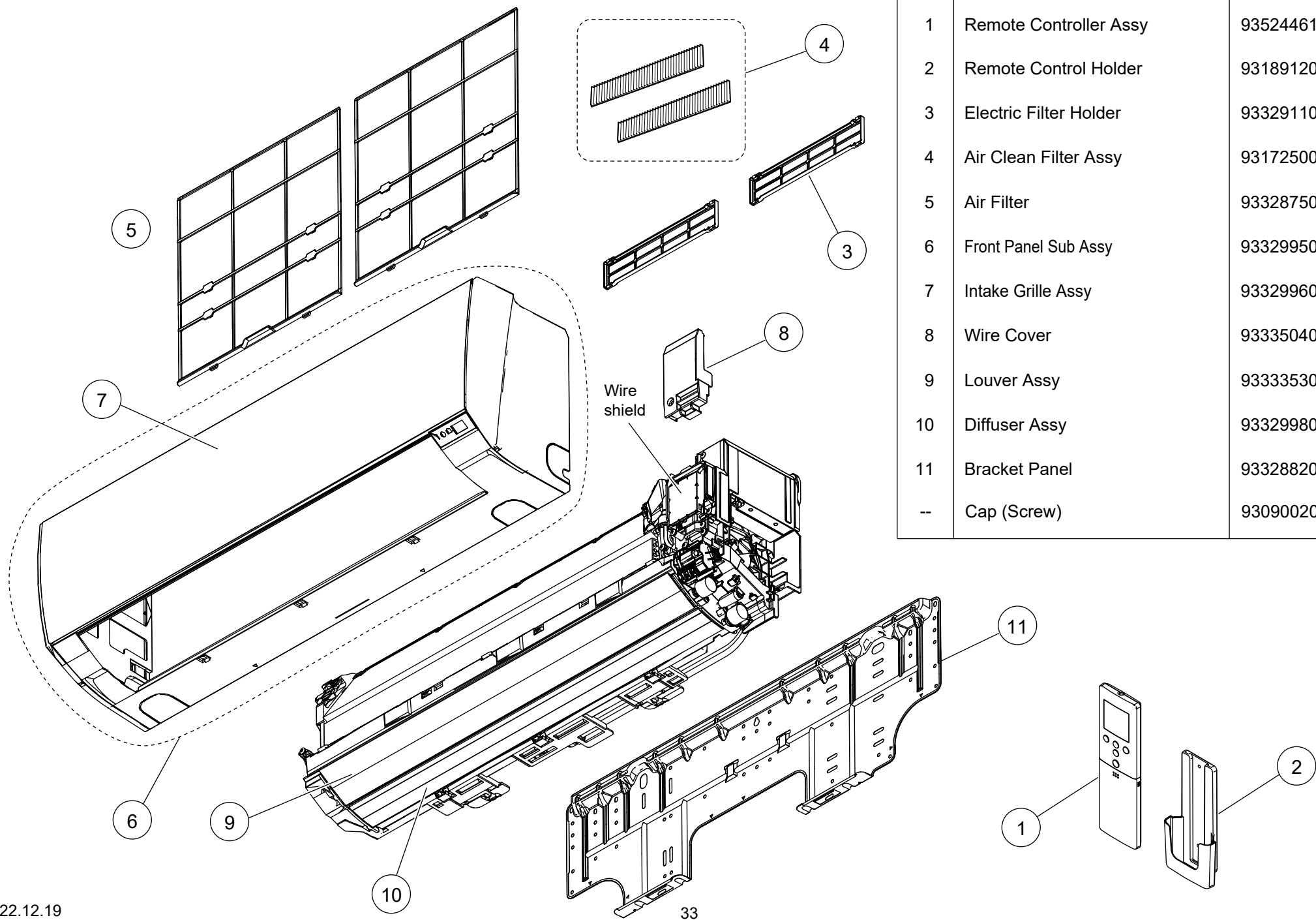
Item no.	Part no.	Part name	Service part
1	9380597001	Cabinet panel (2-fan)	◆
2	9380602019	Main panel (2-fan)	◆
3	9380042006	Outlet frame assy	◆
4	9380594000	Front panel (2-fan)	◆
5	9380682561	Evaporator total assy (For 07 model)	◆
	9380682585	Evaporator total assy (For 09 and 12 models)	◆
6	9379576017	Valve cover sub assy	◆
7	9379900003	Pipe panel sub assy	◆
8	9379907019	Side panel L sub assy	◆
9	9379915007	Window panel sub assy	◆
10	9380589006	Fan guard (2-fan)	◆
11	9379897006	Air filter sub assy	◆
12	9379906012	Side panel R sub assy	◆
13	9379901161	Drain pan sub assy	◆

## Fan and PC boards



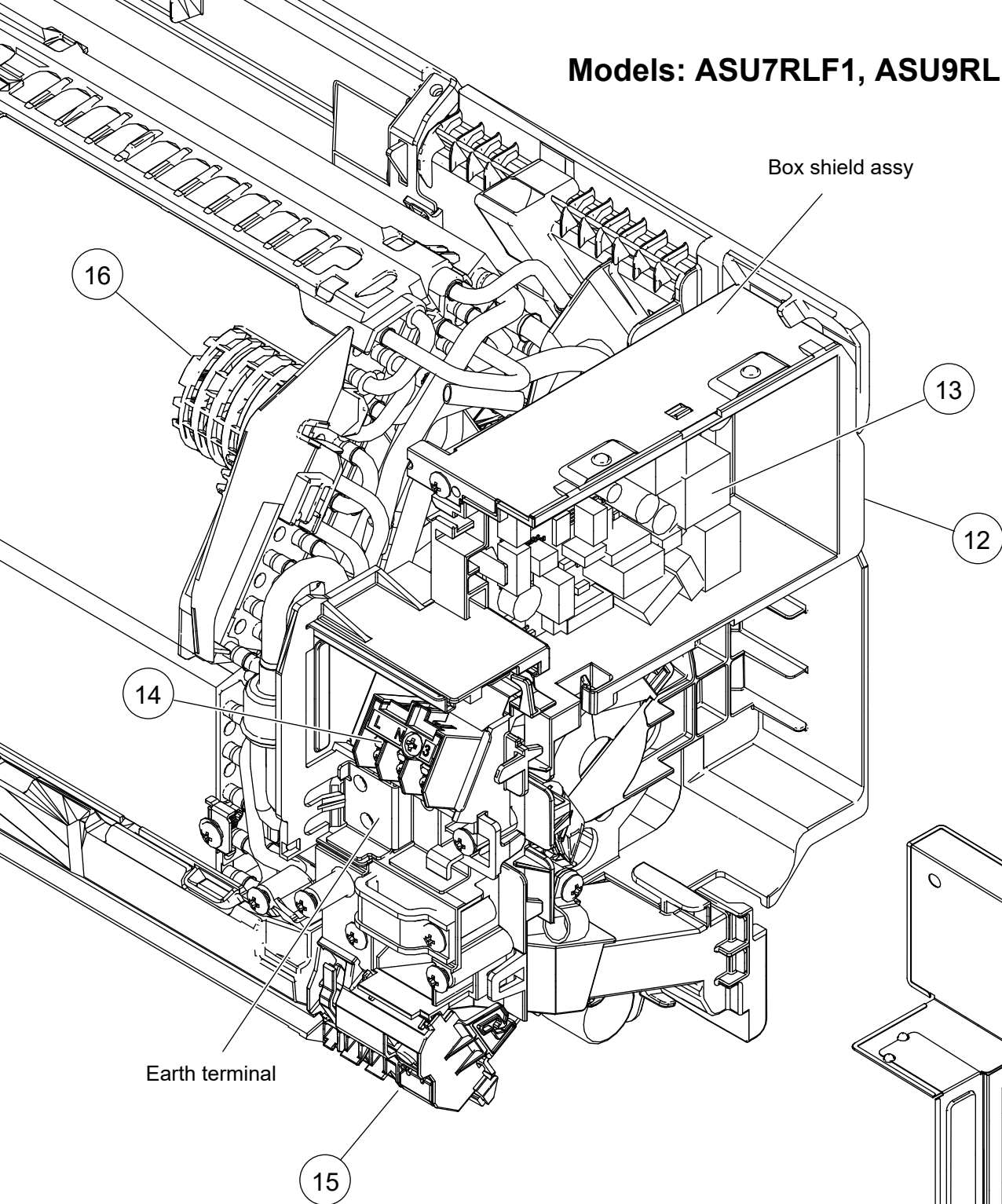
Item no.	Part no.	Part name	Service part
50	9379570015	Sirocco fan assy	◆
51	9379572019	Casing B	◆
52	9378593039	Float switch sub assy	◆
53	9379913003	Drain hose assy	◆
54	9378450141	Hose sub assy	◆
55	9379914062	Drain pump sub assy	◆
56	9711875099	Main PCB (07 model)	◆
	9711875068	Main PCB (09 model)	◆
	9711875075	Main PCB (12 model)	◆
57	9710019005	2-way remote PCB	◆
58	9900896027	Terminal 5P (Remote)	◆
59	9900568009	Terminal 3P	◆
60	9710661020	Power supply PCB	◆
61	9900653019	Thermistor (Room)	◆
62	9900349035	Thermistor (Pipe)	◆
63	9379908030	Top panel sub assy	◆
64	9379571012	Casing U	◆
65	9379644006	Vibration-proof rubber assy	◆
66	9604027000	Motor, DC brushless (For 07 model)	◆
	9603735005	Motor, DC brushless (For 09 and 12 models)	◆
—	9710177057	Wire with connector (CN46 on Main PCB—Terminal 5P [External input])	◆
—	9710171055	Wire with connector (CN260 on Main PCB—CN262 on Power supply PCB)	◆
—	9710206047	Wire with connector (CN261 on Main PCB—CN263 on Power supply PCB)	◆
—	9710343094	Wire with connector (CN300 on Main PCB—Terminal 5P [Remote])	◆
—	9710703010	Wire with connector (CN205 on Power supply PCB—Terminal 3P)	◆

**Indoor unit parts list**  
**Compact wall mounted type**  
**Models: ASU7RLF1, ASU9RLF1, and ASU12RLF1**



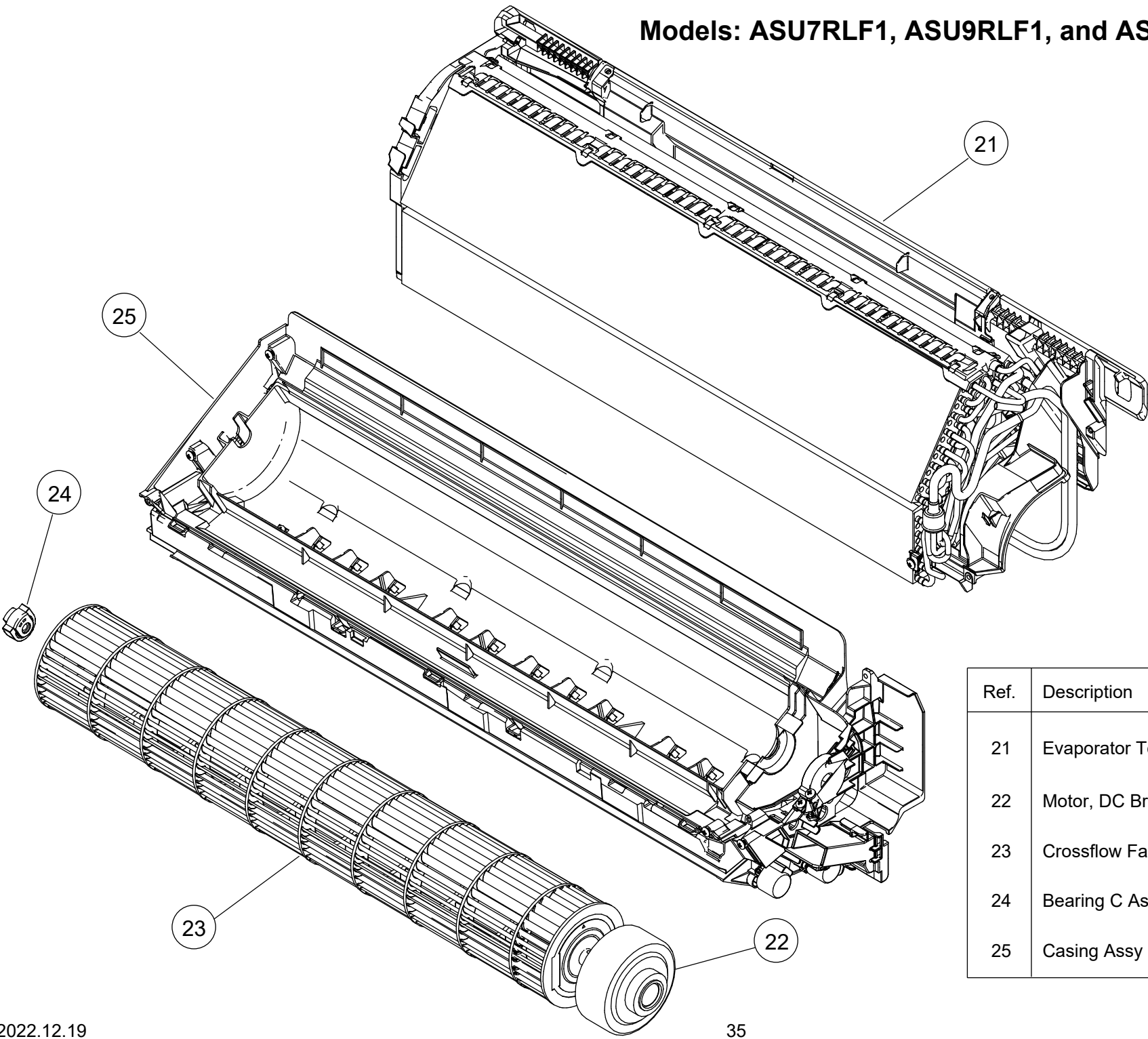
Ref.	Description	Part number	
1	Remote Controller Assy	9352446146	
2	Remote Control Holder	9318912005	
3	Electric Filter Holder	9332911008	
4	Air Clean Filter Assy	9317250009	
5	Air Filter	9332875010	
6	Front Panel Sub Assy	9332995008	
7	Intake Grille Assy	9332996005	
8	Wire Cover	9333504018	
9	Louver Assy	9333353043	
10	Diffuser Assy	9332998085	
11	Bracket Panel	9332882025	
--	Cap (Screw)	9309002074	

Models: ASU7RLF1, ASU9RLF1, and ASU12RLF1



Ref.	Description	Part number	
12	Control Box	9332892024	
13	Main PCB (07 model)	9709427354	
13	Main PCB (09 model)	9709427330	
13	Main PCB (12 model)	9709427347	
14	Terminal	9900720001	
15	Display Assy	9709430019	
--	Indicator PCB	9709431016	
16	Room Thermistor Holder	9332868005	
--	Thermistor Assy	9900930011	

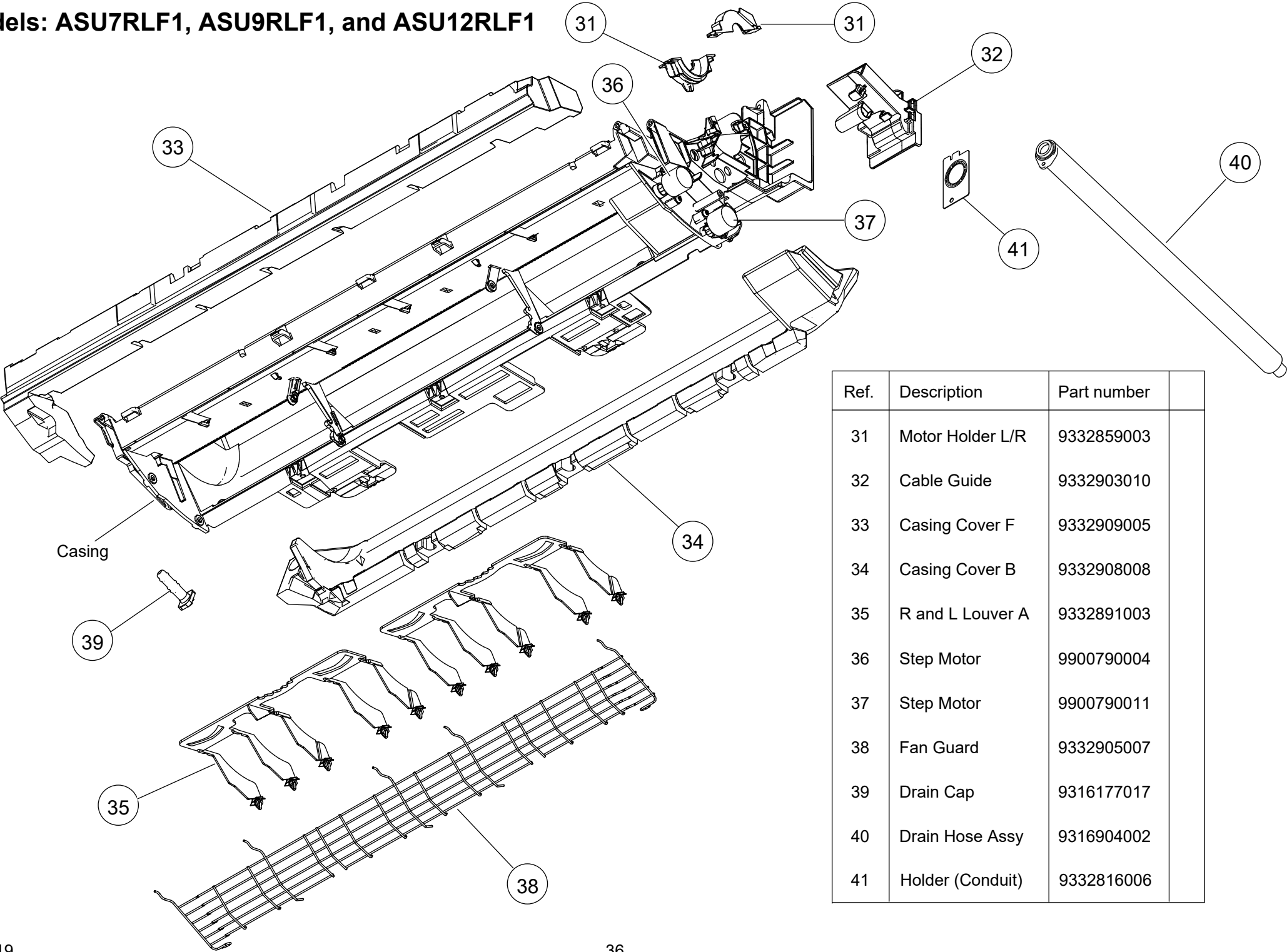
Models: ASU7RLF1, ASU9RLF1, and ASU12RLF1



Ref.	Description	Part number	
21	Evaporator Total Assy	9332989403	
22	Motor, DC Brushless	9603269012	
23	Crossflow Fan Assy	9316830004	
24	Bearing C Assy	9306628024	
25	Casing Assy	9333009056	



Models: ASU7RLF1, ASU9RLF1, and ASU12RLF1

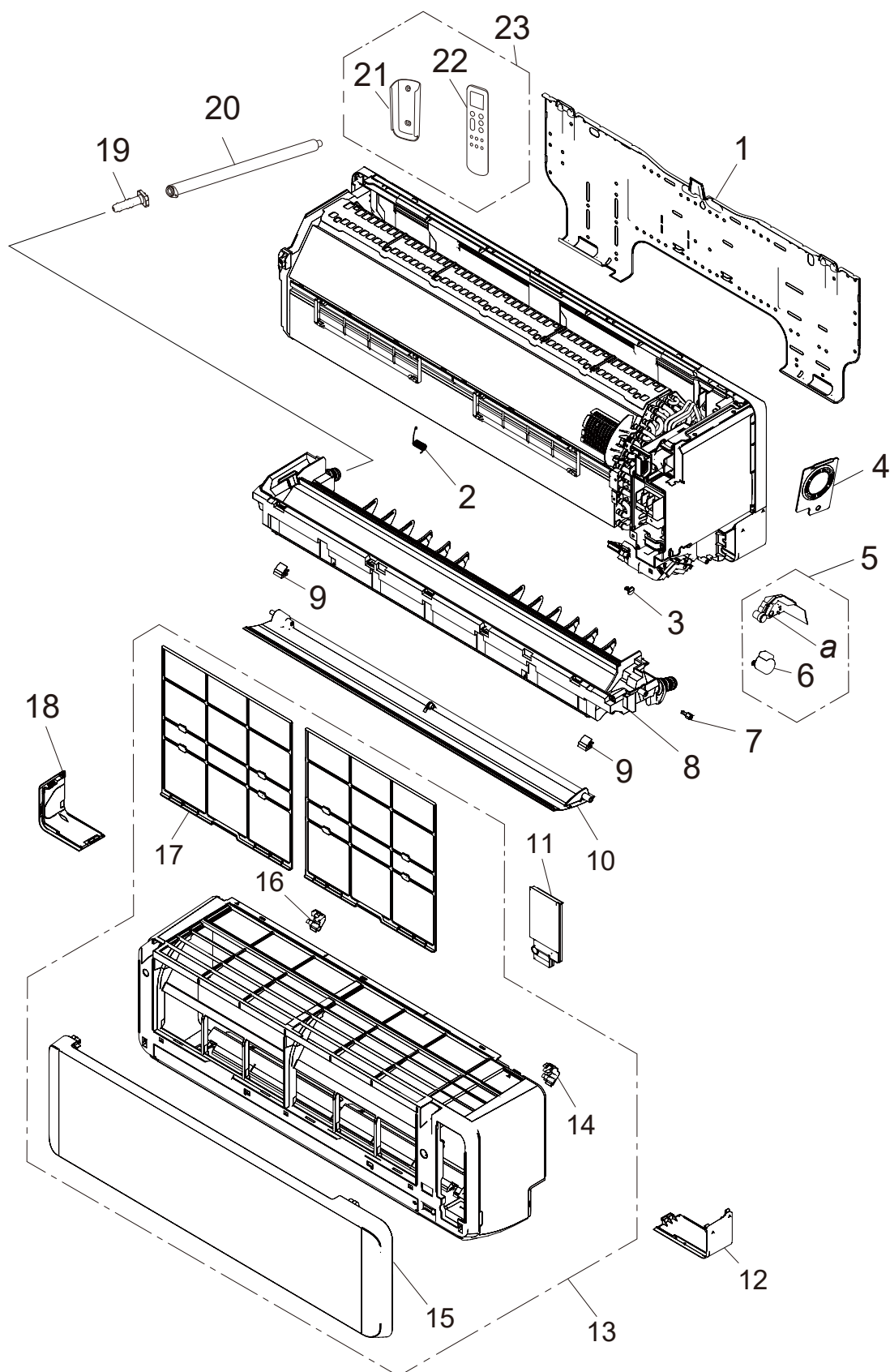


Ref.	Description	Part number	
31	Motor Holder L/R	9332859003	
32	Cable Guide	9332903010	
33	Casing Cover F	9332909005	
34	Casing Cover B	9332908008	
35	R and L Louver A	9332891003	
36	Step Motor	9900790004	
37	Step Motor	9900790011	
38	Fan Guard	9332905007	
39	Drain Cap	9316177017	
40	Drain Hose Assy	9316904002	
41	Holder (Conduit)	9332816006	

# Indoor unit parts list

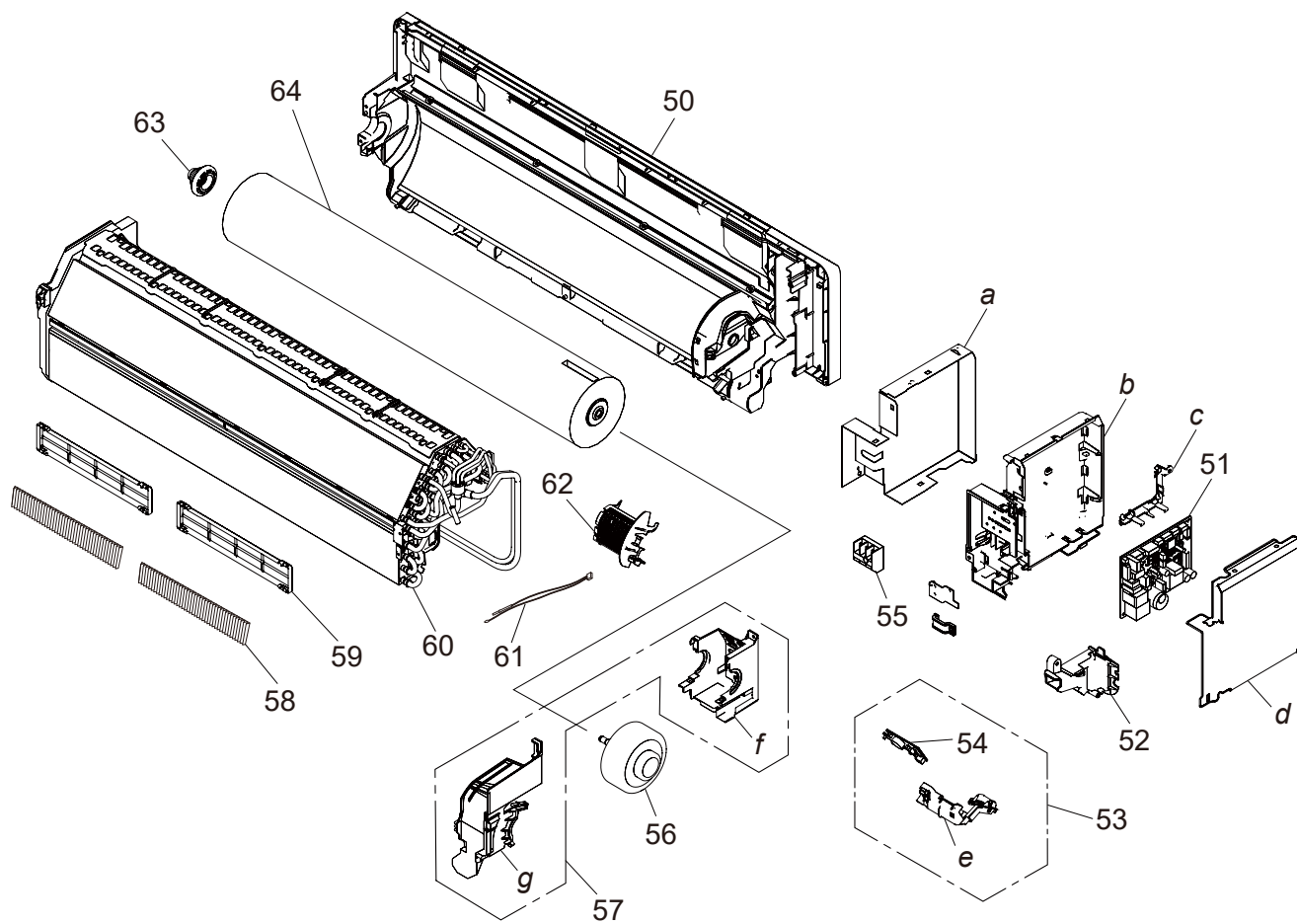
Models: ASUH07LPAS, ASUH09LPAS, and ASUH12LPAS

## Exterior parts



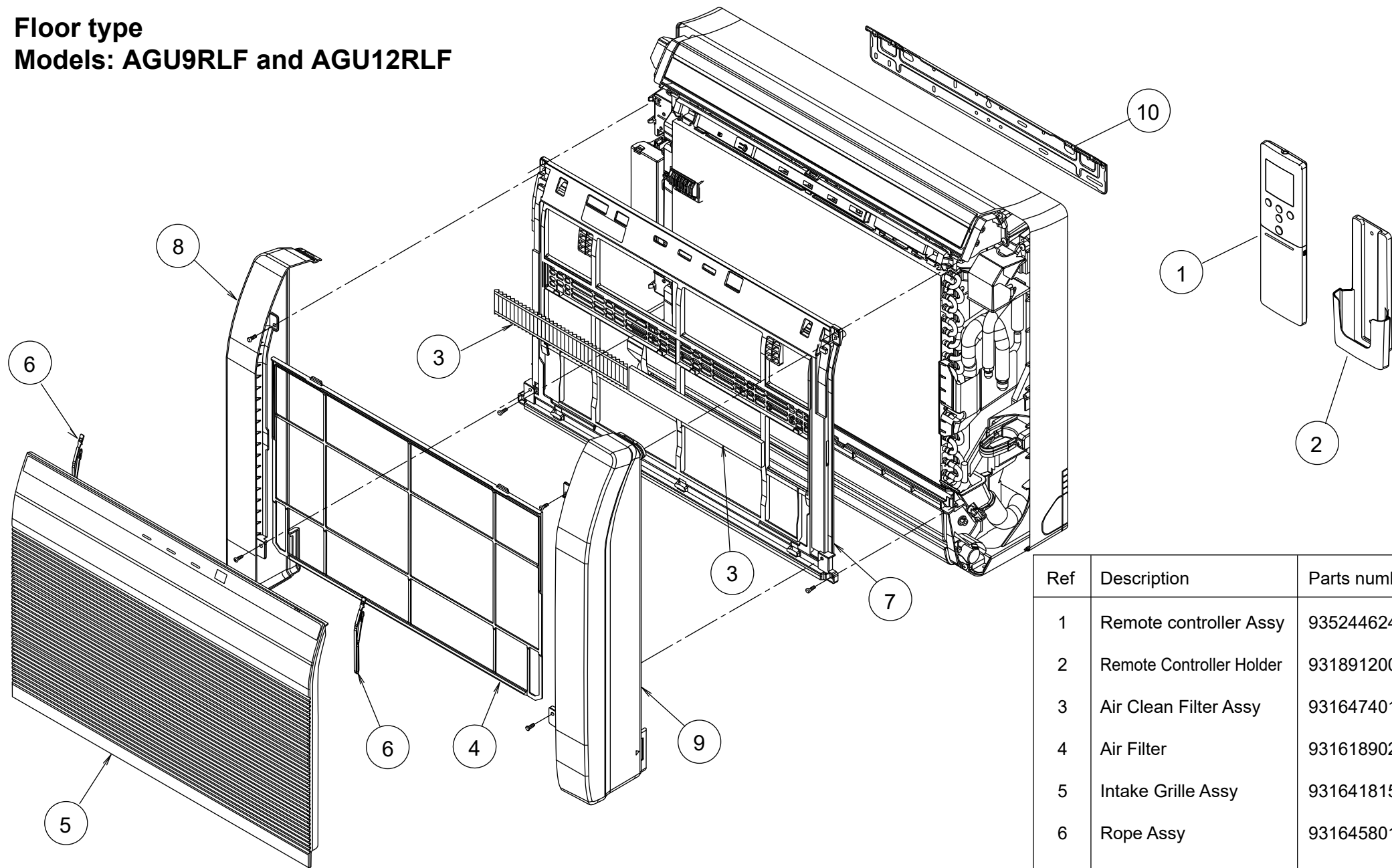
Item no.	Part no.	Part name	Service part
1	9388142005	Bracket panel	◆
2	9387471007	Louver spring	◆
3	9333608006	Bush	◆
4	9313951047	Conduit holder	◆
5	9387714036	Step motor holder assy	◆
6	9901011047	Step motor	◆
7	9332861006	Shaft cover	◆
8	9387590166	Drain pan total assy	◆
9	9387476002	Screw cover	◆
10	9387479003	U/D louver assy	◆
11	9387597004	Wire cover assy	◆
12	9387478044	Under cover R	◆
13	9387596984	Front panel total assy	◆
14	9333704005	Grille clamper R	◆
15	9387756357	Intake grill assy	◆
16	9333719009	Grille clamper L	◆
17	9387473001	Air filter	◆
18	9387477047	Under cover L	◆
19	9316177017	Drain cap	◆
20	9316904002	Drain hose assy	◆
21	9334098004	Remote controller holder	◆
22	9334139004	Remote controller	◆
23	9334141007	Remote controller total assy	◆
<i>a</i>	—	Step motor holder	—
<i>b</i>	—	Front panel	—

## Base, evaporator, and control



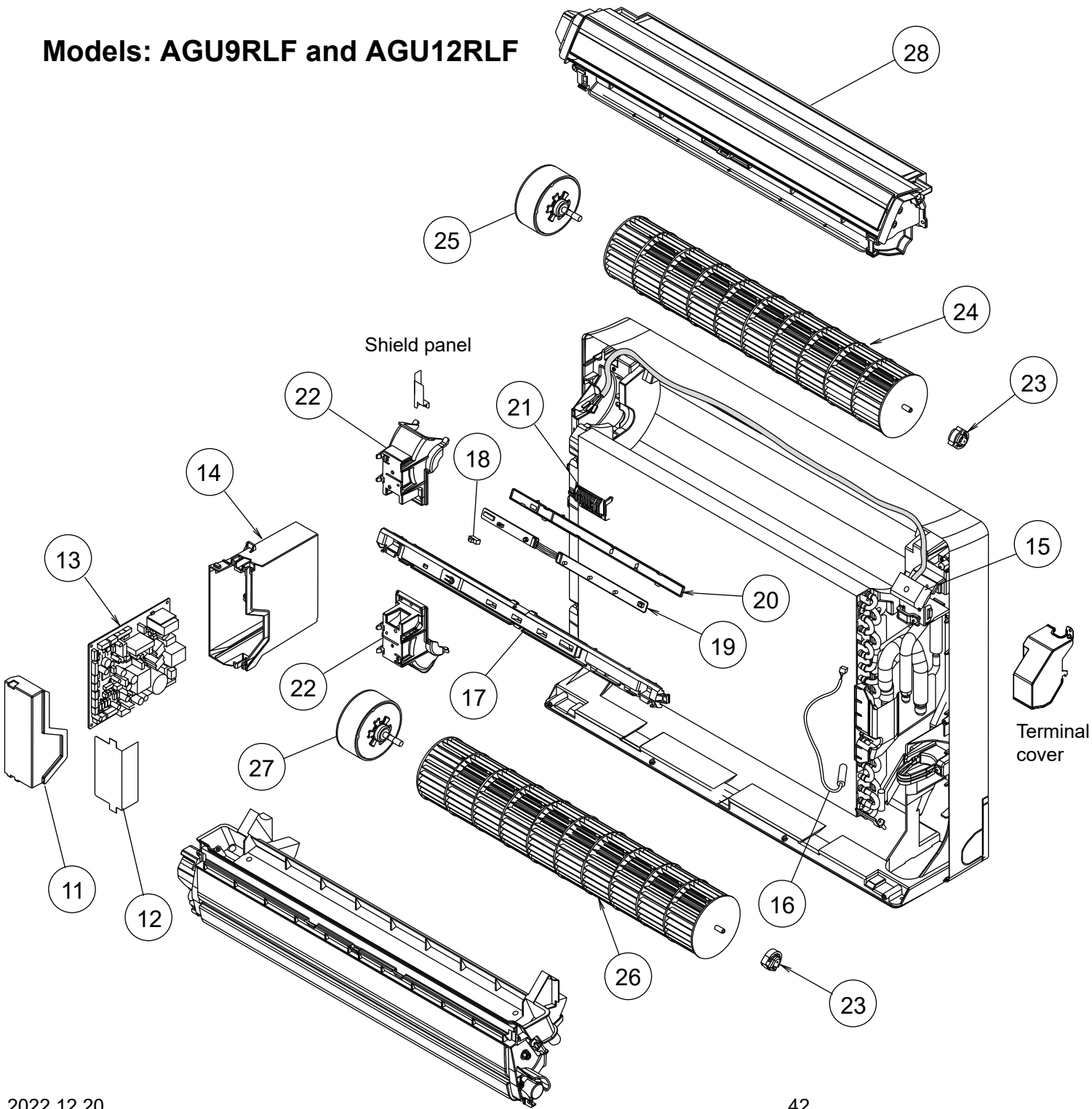
Item no.	Part no.	Part name	Service part
50	9387587128	Base assy	◆
51	9711732699	Main PCB (For 07 model)	◆
	9711732552	Main PCB (For 09 model)	◆
	9711732569	Main PCB (For 12 model)	◆
	9387488043	Cable guide	◆
52	9711146076	Display assy	◆
53	9711147011	Indicator PCB	◆
54	9901013010	Terminal	◆
55	9603631017	Brushless motor	◆
56	9387589061	Motor case assy	◆
57	9317250009	Air clean filter assy	◆
58	9332911008	Electric filter holder	◆
59	9387593389	Evaporator total assy (For 07 and 09 models)	◆
	9387593396	Evaporator total assy (For 12 model)	◆
60	9900627041	Thermistor assy	◆
61	9387467000	Room thermistor holder	◆
62	9333628004	Bearing D assy	◆
63	9387055047	Crossflow fan assy	◆
64	—	Box shield	—
<i>a</i>	—	Control box	—
<i>b</i>	—	PCB holder A	—
<i>c</i>	—	Control cover	—
<i>d</i>	—	Display case assy	—
<i>e</i>	—	Motor case	—
<i>f</i>	—	Motor cover	—
<i>g</i>	—		

Floor type  
Models: AGU9RLF and AGU12RLF



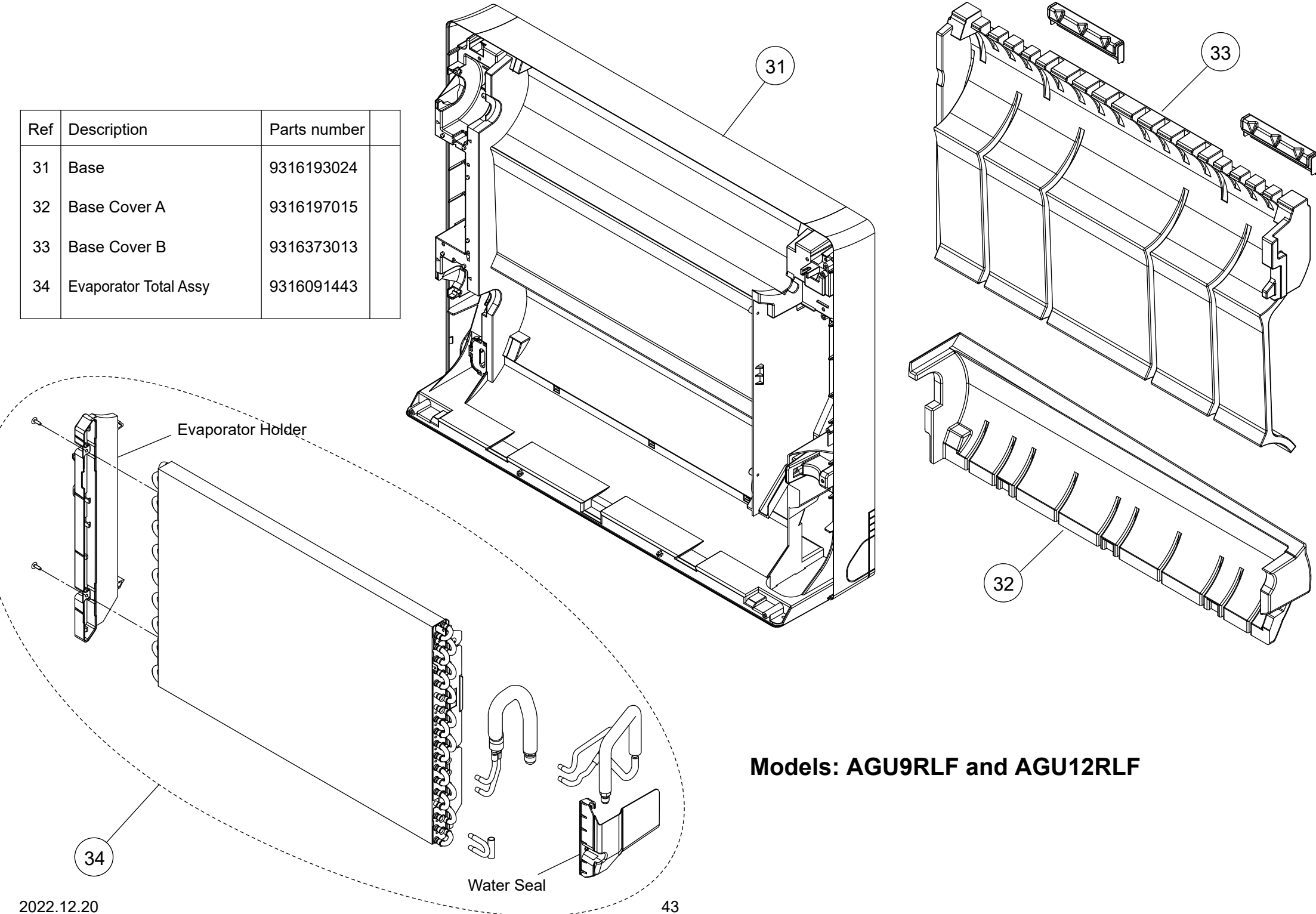
Ref	Description	Parts number	
1	Remote controller Assy	9352446245	
2	Remote Controller Holder	9318912005	
3	Air Clean Filter Assy	9316474017	
4	Air Filter	9316189027	
5	Intake Grille Assy	9316418158	
6	Rope Assy	9316458017	
7	Front Panel Total Assy	9316415126	
8	Front Panel L	9316187016	
9	Front Panel R	9316186019	
10	Bracket Panel	9316272019	

Models: AGU9RLF and AGU12RLF



Ref	Description	Parts number	
11	Control Cover	9316201033	
12	Control Inner Cover	9316487017	
13	Main PCB (09 model)	9708532165	
13	Main PCB (12 model)	9708532172	
14	Control Box	9316200036	
15	Terminal	9900385026	
16	Pipe Thermistor	9900991005	
17	Display Case	9316194014	
18	Slide Switch Cover	9316267015	
--	Display Assy	9707570021	
19	Indicator PCB	9707571042	
20	Display Cover	9316191013	
21	Thermistor Holder	9316192027	
22	Motor Holder	9316195011	
23	Bearing C Assy	9306628024	
24	Crossflow Fan Assy	9312004034	
25	Fan Motor, MFD-14TXAN	9602850013	
26	Crossflow Fan B Assy	9316309012	
27	Fan Motor, MFD-14SXAN	9602851010	
28	Casing Assy	9316411012	
--	Holder (Conduit)	9320432003	

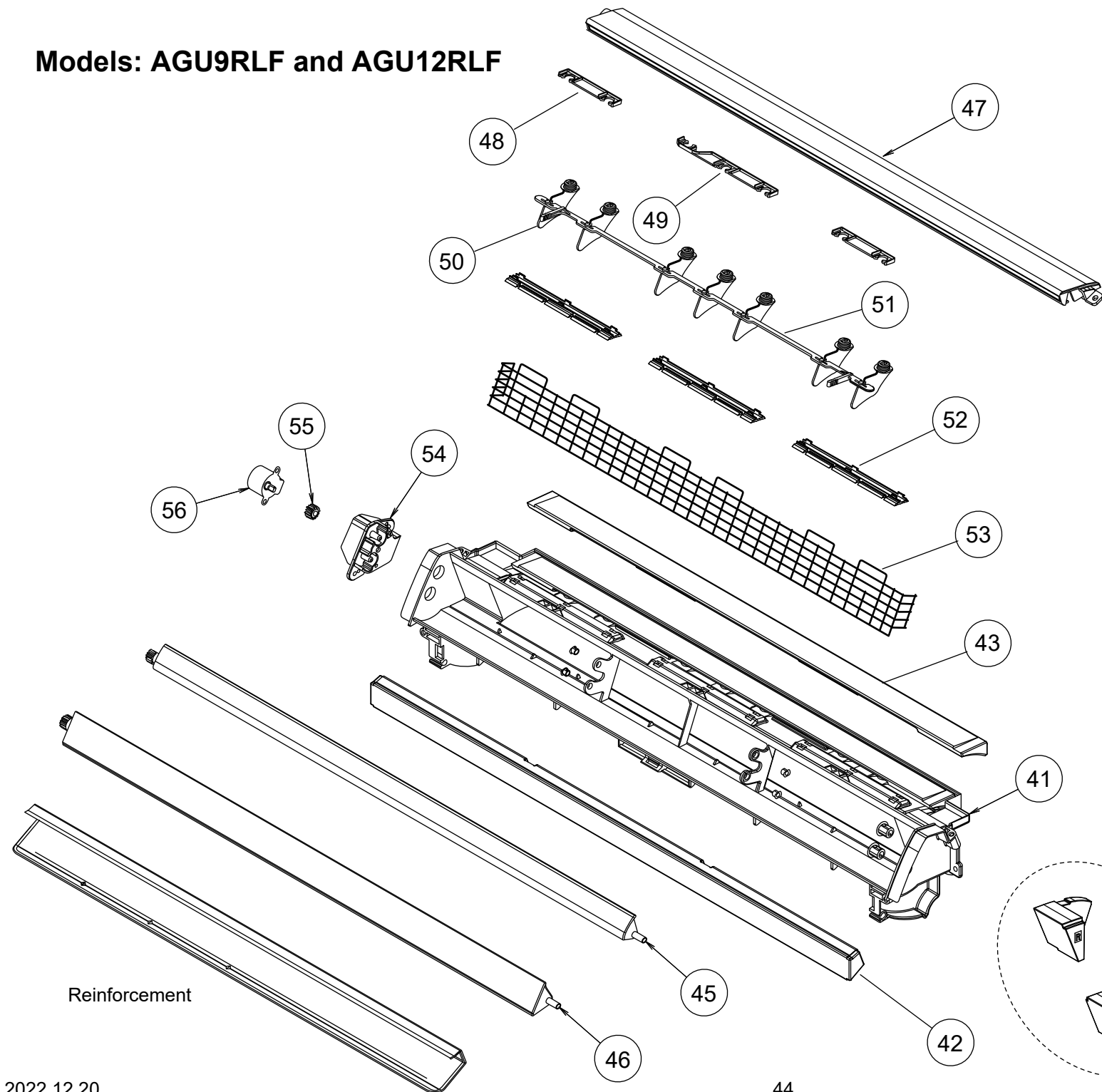
Ref	Description	Parts number	
31	Base	9316193024	
32	Base Cover A	9316197015	
33	Base Cover B	9316373013	
34	Evaporator Total Assy	9316091443	



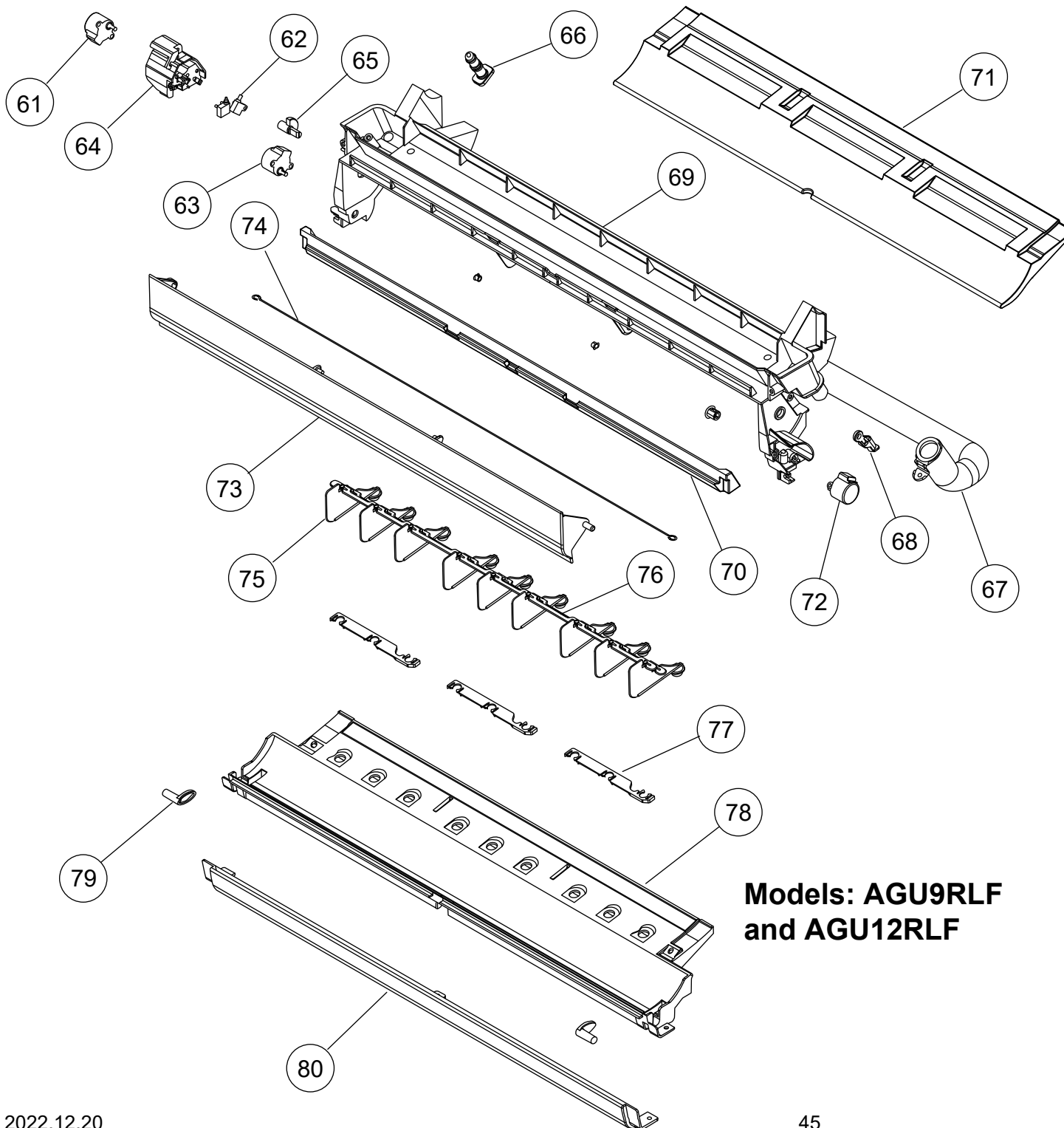
**Models: AGU9RLF and AGU12RLF**



Models: AGU9RLF and AGU12RLF

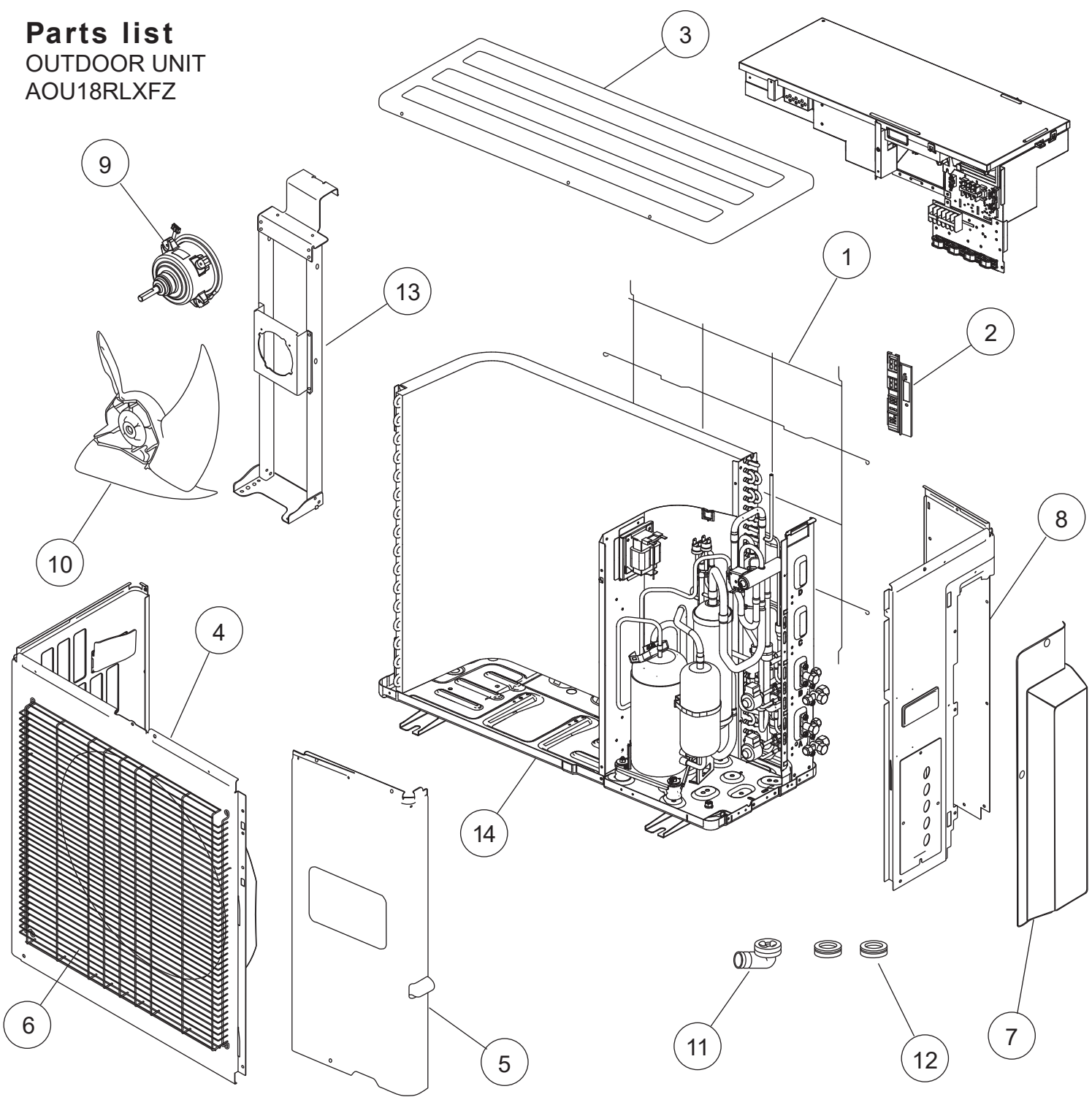


Ref	Description	Parts number	
41	Casing Assy (Includes 42-55)	9316411012	
42	Casing Cover F	9316308015	
43	Casing Cover B	9316273016	
44	Casing Cover LR	9316310018	
45	Louver U (upper)	9316205017	
46	Louver Z (lower)	9316206014	
47	Top Cover	9316207011	
48	Spacer C	9315281012	
49	Spacer D	9315282019	
50	R and L Louver U	9316208018	
51	Joint U	9316209015	
52	Guard Holder	9316210011	
53	Fan Guard	9316211018	
54	Gear Case	9316213012	
55	Gear A	9309994003	
56	Step Motor (up / down)	9900384043	



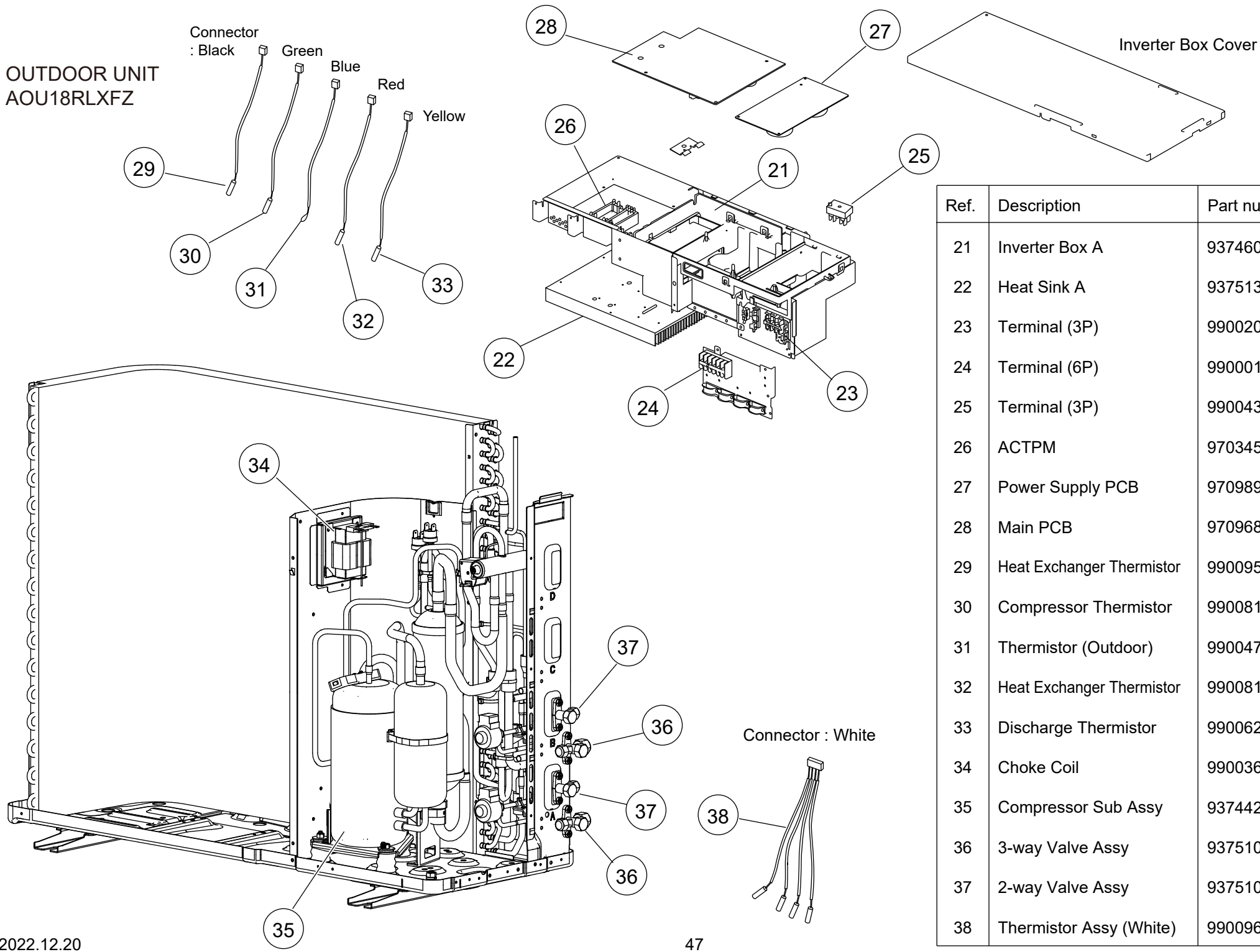
Ref	Description	Parts number	
61	Motor Step (Damper)	9900384050	
62	Micro Switch (Limit Switch)	9900424015	
63	Motor Step (Damper Lock Left)	9900384067	
--	Drain Pan Assy (Includes number 64-71,73-80)	9316412033	
64	Limit Switch Cover	9316217010	
65	Key Top	9316218017	
66	Drain Cap	9316177017	
67	Drain Hose Assy	9314147029	
68	Drain Holder	9316384019	
69	Drain Pan U	9316214026	
70	Drain Cover F	9316274013	
71	Drain Cover B	9316386013	
72	Step Motor (Damper Lock Right)	9900384074	
73	Damper	9316216013	
74	Fan Guard Z	9316918009	
75	R and L Louver Z	9316334014	
76	Joint Z	9316335011	
77	Spacer D	9315282019	
78	Drain Pan Z	9316215016	
79	Stopper	9316219014	
80	Under Cover	9316374010	

Parts list  
OUTDOOR UNIT  
AOU18RLXFZ



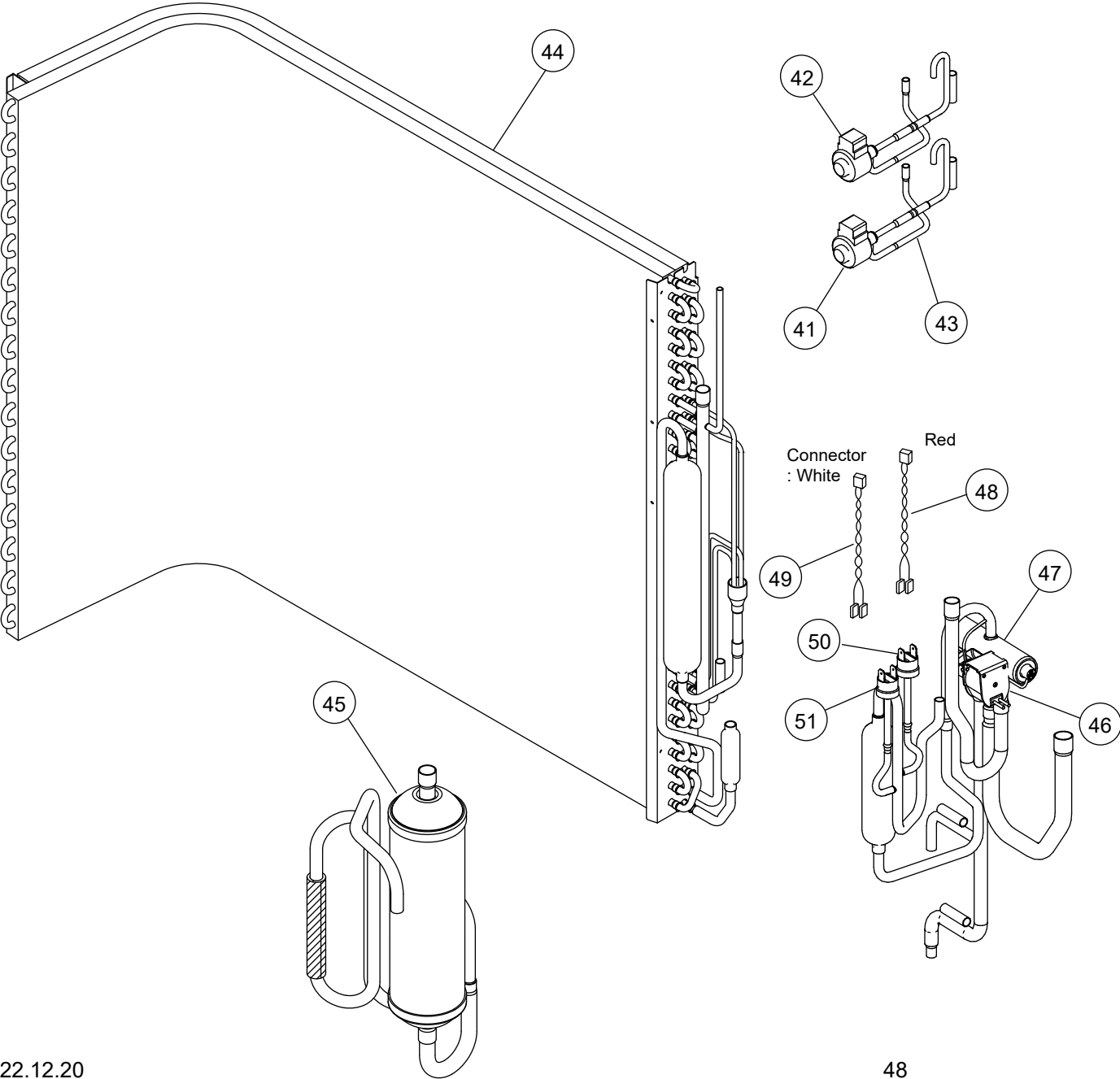
Ref.	Description	Part number
1	Protective Net S	9375381028
--	Rubber (Net)	9375361013
2	Thermo Holder	9375211011
3	Top Panel Sub Assy	9374417049
4	Front Panel Sub Assy	9374414123
5	Service Panel Sub Assy	9374415045
6	Fan Guard	9380332008
--	Conduit Plate	9375174026
7	Valve Cover Sub Assy	9374827015
8	Right Panel Sub Assy	9374416172
9	DC Fan Motor	9603777012
10	Propeller Fan Assy	9366378020 9366378037
11	Drain Assy	9303029015
12	Drain Cap	313166024302
13	Motor Bracket Sub Assy	9374418060
14	Base Sub Assy	9375304102
--	Comp. Cover A	9378851078
--	Comp. Cover B	9378851085
--	Comp. Cover C	9378851092

OUTDOOR UNIT  
AOU18RLXFZ



Ref.	Description	Part number	
21	Inverter Box A	9374603015	
22	Heat Sink A	9375138011	
23	Terminal (3P)	9900203016	
24	Terminal (6P)	9900016036	
25	Terminal (3P)	9900433017	
26	ACTPM	9703457012	
27	Power Supply PCB	9709893081	
28	Main PCB	9709682777	
29	Heat Exchanger Thermistor	9900958015	
30	Compressor Thermistor	9900819019	
31	Thermistor (Outdoor)	9900477011	
32	Heat Exchanger Thermistor	9900817015	
33	Discharge Thermistor	9900621018	
34	Choke Coil	9900366018	
35	Compressor Sub Assy	9374423187	
36	3-way Valve Assy	9375103019	
37	2-way Valve Assy	9375102012	
38	Thermistor Assy (White)	9900965013	

OUTDOOR UNIT  
AOU18RLXFZ


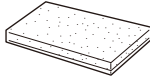


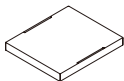
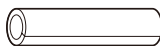

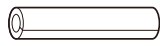


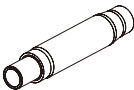


Ref.	Description	Part number	
41	Expansion Valve Coil (A=Red)	9970101069	
42	Expansion Valve Coil (B=White)	9970101038	
43	Expansion Valve Assy	9370947151	
44	Condenser A Sub Assy	9374420223	
45	Accumulator Assy	9375250027	
46	Solenoid	9900165079	
47	4-way Valve Assy	9374425242	
48	Wire (Pressure Sw) (Red)	9377823014	
49	Wire (Pressure Sw) (White)	9377823021	
50	Pressure Switch (3.7MP)	9900341015	
51	Pressure Switch (4.2MP)	9900186012	
--	Wire (Coil)	9375300012	
--	Wire w/Terminal (ACTPM L1, L2 - Terminal)	9705859012	

## Accessories (Indoor unit)





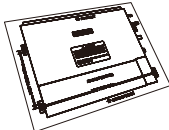
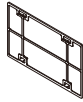

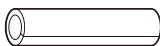
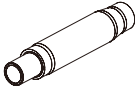
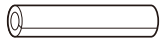


### 1. Compact cassette type

■ Models: ACUH07LUAS1, ACUH09LUAS1, and ACUH12LUAS1

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Drain hose insulation		1
Installation manual		1	Hose band		1
Template (Carton top)		1	Coupler heat insulation (large)		1
Special nut A (large flange)		4	Coupler heat insulation (small)		1
Special nut B (small flange)		4	Cable tie (for electrical wiring)		2
Drain hose		1			





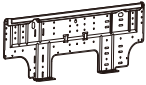


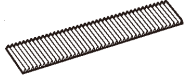

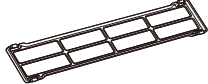

## 2. Slim duct type

■ Models: ADUH07LUAS1, ADUH09LUAS1, and ADUH12LUAS1

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cable tie (large)		4
Installation manual		1	Cable tie (medium)		3
Installation template		1	Filter (small)		2
Washer		8	Coupler heat insulation (large)		1
Drain hose		1	Coupler heat insulation (small)		1
Hose band		1			
Drain hose insulation B		1			


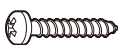


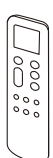
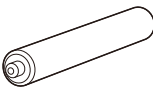

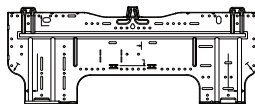




### 3. Wall mounted type

#### ■ Models: ASU7RLF1, ASU9RLF1, and ASU12RLF1

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cloth tape		1
Installation manual		1	Tapping screw (large)		5
Wall hook bracket		1	Tapping screw (small)		2
Remote controller		1	Air cleaning filter		2
Battery		2	Filter holder		2
Remote controller holder		1			





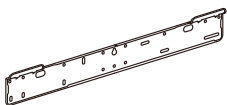



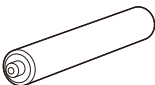
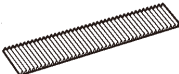



## ■ Models: ASUH07LPAS, ASUH09LPAS, and ASUH12LPAS

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Tapping screw (large)		5
Installation manual		1	Tapping screw (small)		2
Remote controller		1	Battery		2
Remote controller holder		1	Wall hook bracket		1
Cloth tape		1	Ion deodorization filter		1
Filter holder		2	Apple-catechin filter		1




## 4. Floor type

### ■ Models: AGU9RLF, and AGU12RLF

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Operating manual		1	Cable tie		1
Installation manual		1	Cloth tape		1
Wall hook bracket		1	Tapping screw (large)		9
Remote controller		1	Tapping screw (small)		2
Battery		2	Air cleaning filter		2
Remote controller holder		1			

## Accessories (Outdoor unit)

### ■ Model: AOU18RLXFZ

Part name	Exterior	Q'ty	Part name	Exterior	Q'ty
Installation manual		1	Drain pipe		1
Drain cap		5			

