FUJITSU

WALL MOUNTED TYPE
ROOM AIR CONDITIONER
FOR EXTRA LOW TEMP. DISTRICT

SERVICE MANUAL

Refrigerant R410A

Indoor unit ASU30RLE

Outdoor unit AOU30RLXEH

CONTENTS

FUJITSU GENERAL LIMITED

SPECIFICATIONS
INDOOR UNIT

Type					Wall mounted
					Inverter heat pump
Model name					**ASU30RLE**
Power supply					208/230 V ~ 60 Hz
Available voltage range					187—253 V
Capacity	Cooling		Rated	kW	8.79
				Btu/h	30,000
			Min.—Max.	kW	2.9—9.5
				Btu/h	9,900—32,400
	Heating		Rated	kW	9.37
				Btu/h	32,000
			Min.—Max.	kW	2.35—11.0
				Btu/h	8,000—36,200
	Heating (17°F) *1		Rated	kW	5.54
				Btu/h	18,900
			Max.	kW	10.32
				Btu/h	35,200
	Heating (5°F) *2		Rated	kW	8.91
				Btu/h	30,400
			Max.	kW	9.39
				Btu/h	32,030
Input power	Cooling		Rated	kW	2.40
			Min.—Max.		0.58—3.83
	Heating		Rated		2.74
			Min.—Max.		0.50—4.28
	Heating (17°F) *1		Rated		2.16
			Max.		4.51
	Heating (5°F) *2		Rated		4.41
			Max.		4.55
	Fan		HIGH	W	60
			MED		35
			LOW		20
			QUIET		11
Current	Cooling		Rated	A	10.6
	Heating				12.0
EER2	Cooling			kW/kW	3.66
				Btu/hW	12.5
COP2	Heating			kW/kW	3.42
				Btu/hW	11.7
SEER2	Cooling			Btu/hW	18.7
HSPF2	Heating			Btu/hW	10.0
Power factor	Cooling			%	99.6
	Heating				99.2
Moisture removal				pints/h (L/h)	9.7 (4.6)
Maximum operating current *3	Cooling			A	20.5
	Heating				20.5
Fan	Airflow rate	Cooling	HIGH	CFM (m^3/h)	812 (1,380)
			MED		665 (1,130)
			LOW		536 (910)
			QUIET		418 (710)
		Heating	HIGH		812 (1,380)
			MED		665 (1,130)
			LOW		536 (910)
			QUIET		418 (710)
	Type × Q'ty				Cross flow fan × 1
	Motor output			W	80
Sound pressure level *4	Cooling		HIGH	dB (A)	50
			MED		45
			LOW		38
			QUIET		32
	Heating		HIGH		49
			MED		44
			LOW		38
			QUIET		32
Heat exchanger type	Dimensions (H × W × D)			in (mm)	Main: 18-3/16 × 35-7/16 × 1-1/16 (462 × 900 × 26.6) Sub1: 4-15/16 × 35-7/16 × 1/2 (126 × 900 × 13.3) Sub2: 3-5/16 × 35-7/16 × 1/2 (84 × 900 × 13.3)
	Fin pitch			FPI	Main: 21, Sub1: 18, Sub2: 18
	Rows × Stages				Main: 2 × 22, Sub1: 1 × 6, Sub2: 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	13-6/16 × 45-4/16 × 11
				mm	340 × 1,150 × 280
	Gross			in	15-15/16 × 50 × 17-11/16
				mm	405 × 1,270 × 450
Weight	Net			lb (kg)	40 (18)
	Gross				53 (24)
Connection pipe	Size		Liquid	in (mm)	Ø3/8 (Ø9.52)
			Gas		Ø5/8 (Ø15.88)
	Method				Flare
Drain hose	Material				PP+HDPE
	Tip diameter			in (mm)	Ø17/32 (Ø13.8) (I.D.), Ø19/32 to Ø21/32 (Ø15.0 to Ø16.8) (O.D.)
Operation range	Cooling			°F (°C)	64 to 90 (18 to 32)
				%RH	80 or less
	Heating			°F (°C)	86 (30) or less
Remote controller type					Wireless (Wired [option])

Type	Wall mounted
	Inverter heat pump
Model name	**ASU30RLE**

NOTES:

- Specifications are based on the following conditions:
  - Cooling: Indoor temperature of 80 °FDB (26.67 °CDB) /67 °FWB (19.44 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).
  - Heating: Indoor temperature of 70 °FDB (21.11 °CDB) /59 °FWB (15 °CWB), and outdoor temperature of 47 °FDB (8.33 °CDB) /43 °FWB (6.11 °CWB).
  - *1: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB)/15°FWB (-9.44°CWB).
  - *2: Heating (5°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 5°FDB (-15.0°CDB)/4°FWB (-15.56°CWB).
  - Test conditions are based on AHRI 210/240 2023.
  - Pipe length: 24 ft 6 in (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *3: Maximum current is maximum value when operated within the operation range.
- *4: 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.

M condition

Model name				ASU30RLE
Capacity	Cooling	Rated	kW	8.79
			Btu/h	30,000
		Min.—Max.	kW	2.9—9.5
			Btu/h	9,900—32,400
	Heating	Rated	kW	9.37
			Btu/h	32,000
		Min.—Max.	kW	2.35—11.0
			Btu/h	8,000—36,200
	Heating (17°F) *	Rated	kW	5.54
			Btu/h	18,900
		Max.	kW	10.32
			Btu/h	35,200
Input power	Cooling	Rated	kW	2.40
		Min.—Max.		0.58—3.83
	Heating	Rated		2.74
		Min.—Max.		0.50—4.28
	Heating (17°F) *	Rated		2.16
		Max.		4.51
	Fan	HIGH	W	60
		MED		35
		LOW		20
		QUIET		11
Current	Cooling	Rated	A	10.6
	Heating			12.0
EER	Cooling		kW/kW	3.66
			Btu/hW	12.5
COP	Heating		kW/kW	3.42
			Btu/hW	11.7
SEER	Cooling		Btu/hW	18.7
HSPF	Heating		Btu/hW	11.8
Power factor	Cooling		%	99.6
	Heating			99.2

NOTES:

- Specifications are based on the following conditions:
  - Cooling: Indoor temperature of 80 °FDB (26.67 °CDB) /67 °FWB (19.44 °CWB), and outdoor temperature of 95 °FDB (35 °CDB) / 75 °FWB (23.9 °CWB).
  - Heating: Indoor temperature of 70 °FDB (21.11 °CDB) /59 °FWB (15 °CWB), and outdoor temperature of 47 °FDB (8.33 °CDB) /43 °FWB (6.11 °CWB).
  - *: Heating (17°F): Indoor temperature of 70°FDB (21.11°CDB)/60°FWB (15.56°CWB), and outdoor temperature of 17°FDB (-8.33°CDB)/15°FWB (-9.44°CWB).
  - Test conditions are based on AHRI 210/240 2017.
  - Pipe length: 24 ft 6 in (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)

OUTDOOR UNIT

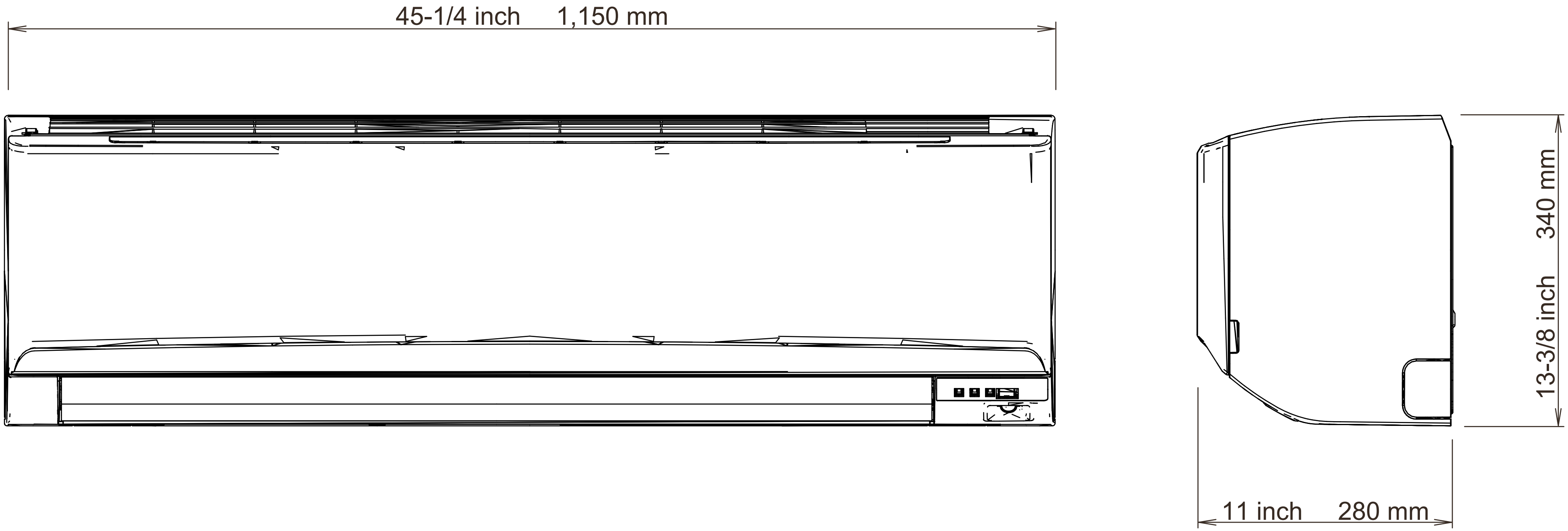
Type				**Inverter heat pump**
Model name				**AOU30RLXEH**
Power supply				208/230 V~ 60 Hz
Available voltage range				187—253 V
Starting current			A	18.7
Fan	Airflow rate	Cooling	CFM (m^3/h)	4,032 (6,850)
		Heating		4,032 (6,850)
	Type × Q'ty			Propeller fan × 2
	Motor output		W	100 × 2
Sound pressure level *		Cooling	dB (A)	53
		Heating		54
Heat exchanger type		Dimensions (H × W × D)	in	49-10/16 × 35-7/16 × 1-7/16
			mm	1,260 × 900 × 36.4
		Fin pitch	FPI	20
		Rows × Stages		2 × 60
		Pipe type		Copper
		Fin type	Type (Material)	Corrugate (Aluminum)
			Surface treatment	Hydrophilic coating (Blue fin)
Compressor	Type			DC twin rotary
	Motor output		W	3,750
Refrigerant		Type		R410A
		Charge	lb oz	6 lb 12 oz
			g	3,050
Refrigerant oil		Type		POE (VG74)
		Amount	in^3 (cm^3)	94.6 (1,550)
Enclosure		Material		Steel sheet
		Color		Beige Approximate color of Munsell 10YR 7.5/1.0
Dimensions (H × W × D)	Net		in	50-13/16 × 35-7/16 × 13
			mm	1,290 × 900 × 330
	Gross		in	57-1/2 × 41-5/16 × 17-1/2
			mm	1,460 × 1,050 × 445
Weight	Net		lb (kg)	205 (93)
	Gross			227 (103)
Connection pipe	Size	Liquid	in (mm)	Ø3/8 (Ø9.52)
		Gas		Ø5/8 (Ø15.88)
	Method			Flare
	Pre-charge length		ft (m)	66 (20)
	Max. length			246 (75)
	Max. height difference			98 (30)
Operation range		Cooling	°F (°C)	-5 to 115 (-21 to 46)
		Heating		-15 to 75 (-26 to 24)

NOTES:

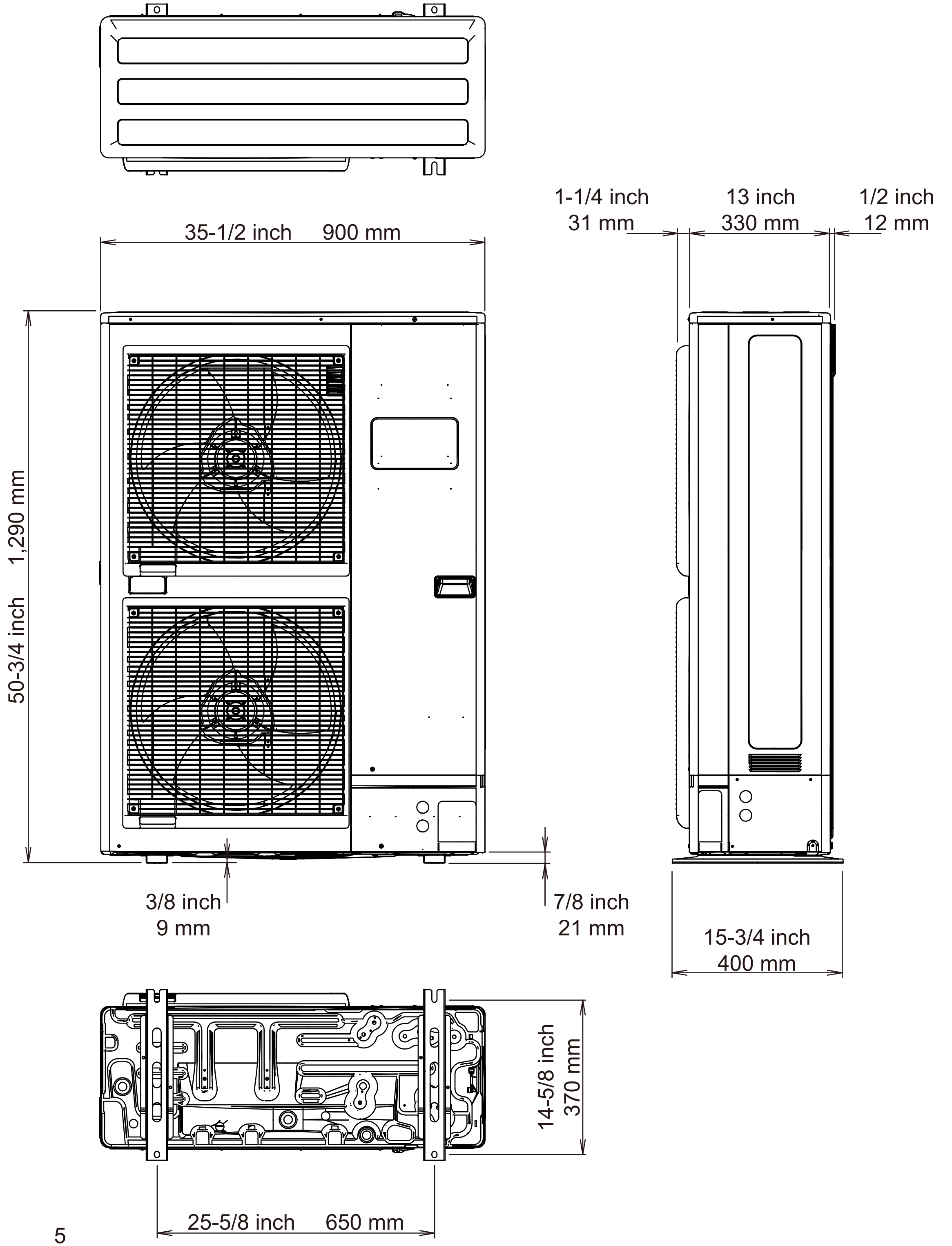
- Specifications are based on the following conditions:
  – Cooling: Indoor temperature of 80°FDB (26.67°CDB)/67°FWB (19.44°CWB), and outdoor temperature of 95°FDB (35°CDB)/75°FWB (23.9°CWB).
  – Heating: Indoor temperature of 70°FDB (21.11°CDB)/59°FWB (15°CWB), and outdoor temperature of 47°FDB (8.33°CDB)/43°FWB (6.11°CWB).
  – Pipe length: 24 ft 6 in (7.5 m), Height difference: 0 ft (0 m). (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *: 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

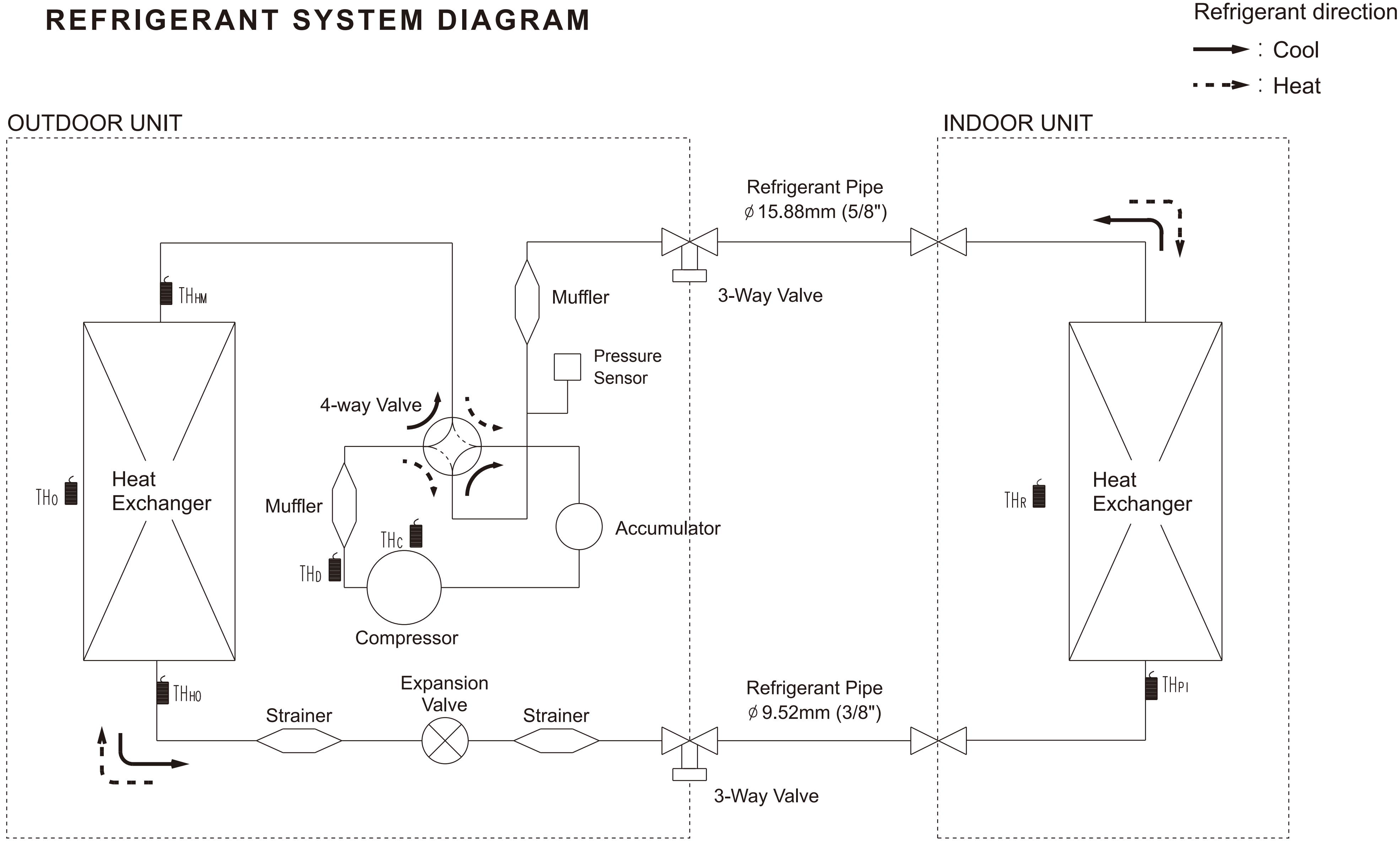
INDOOR UNIT
ASU30RLE



OUTDOOR UNIT
AOU30RLXEH



REFRIGERANT SYSTEM DIAGRAM

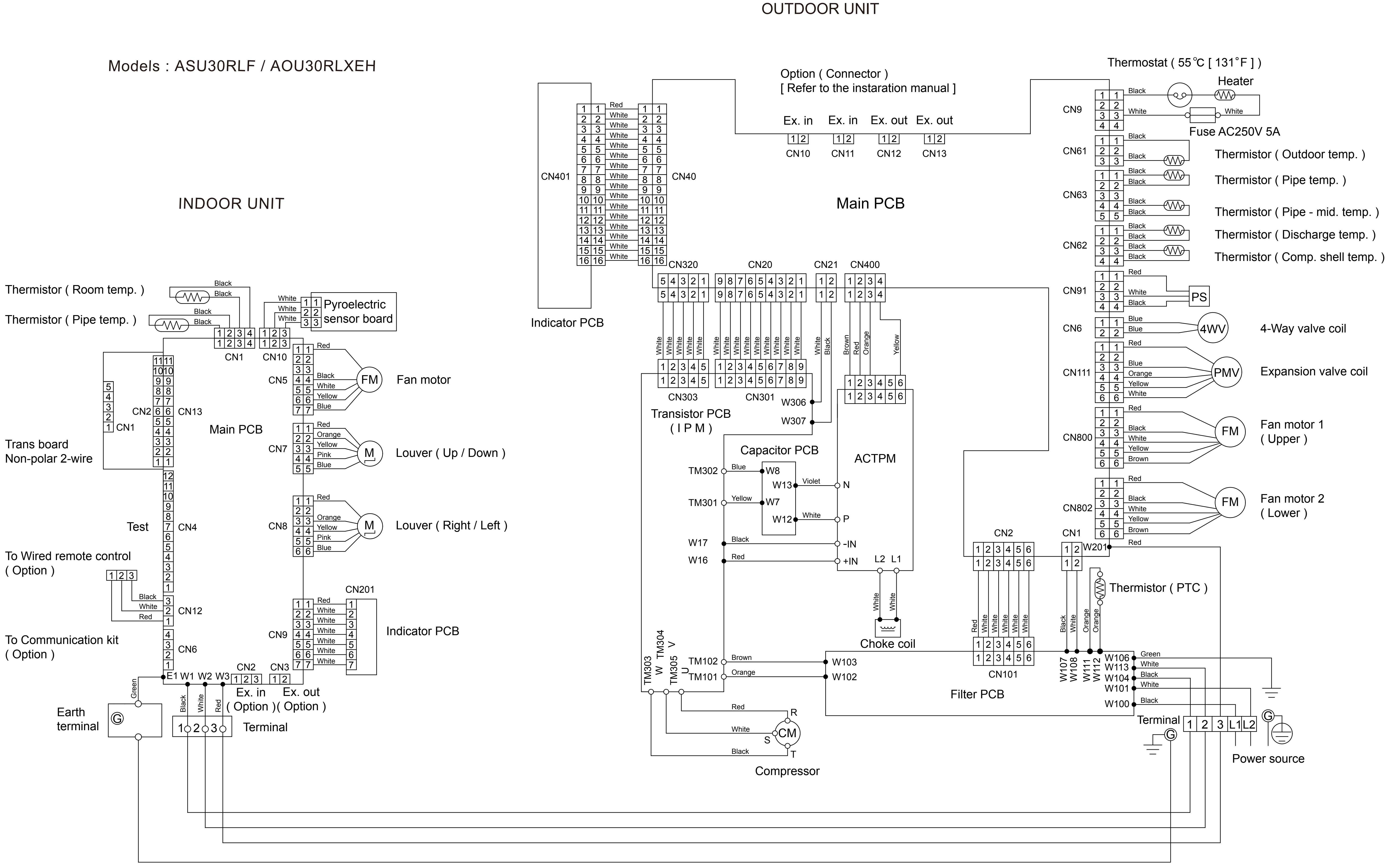


THc : Thermistor (Compressor)
THD : Thermistor (Discharge)
THHM : Thermistor (Heat Exchanger Med)
THHO : Thermistor (Heat Exchanger Out)
THo : Thermistor (Outdoor)

THR : Thermistor (Room)
THPI : Thermistor (Pipe)

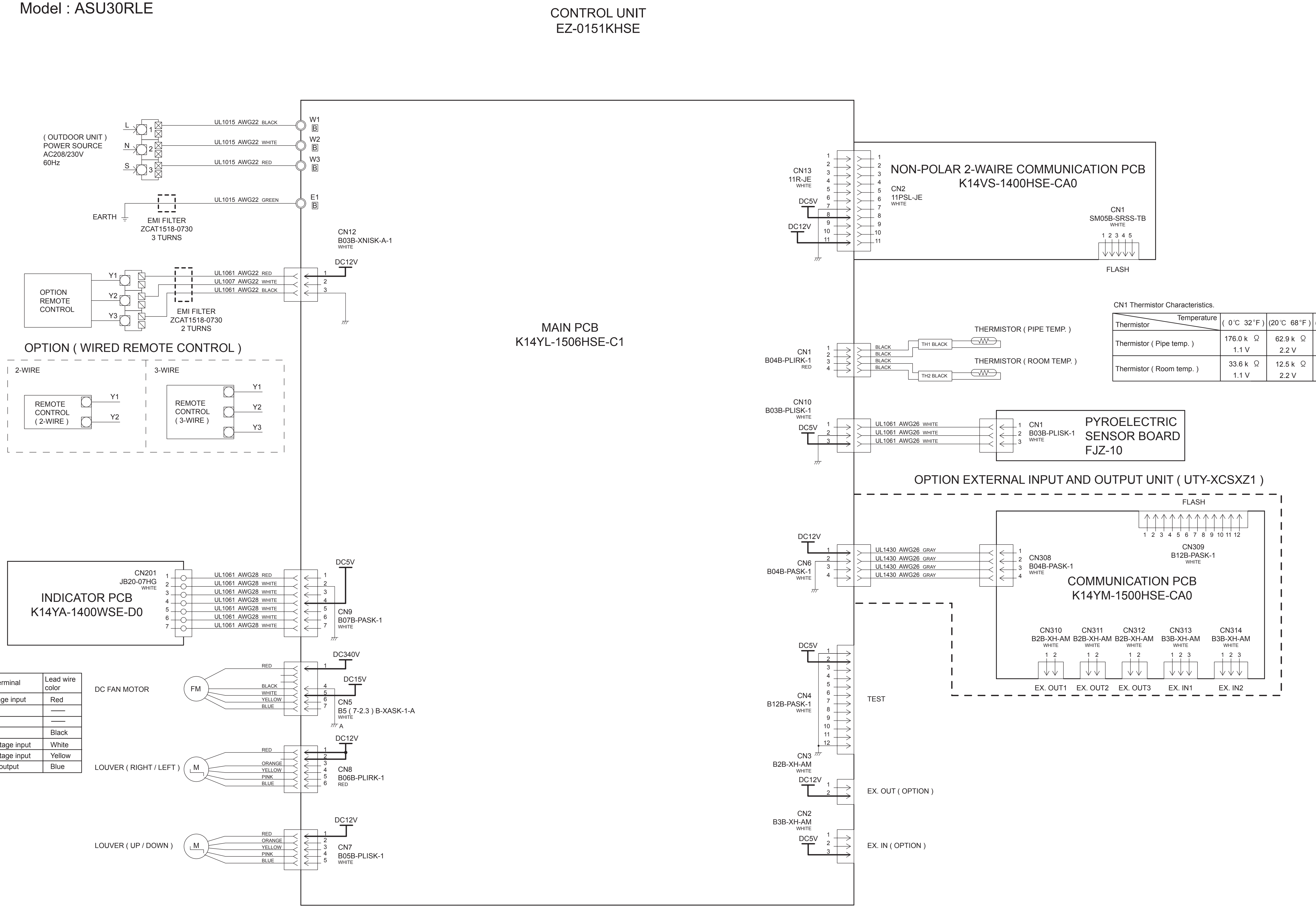
CIRCUIT DIAGRAM

Models : ASU30RLF / AOU30RLXEH



PCB CIRCUIT DIAGRAM

Model : ASU30RLE

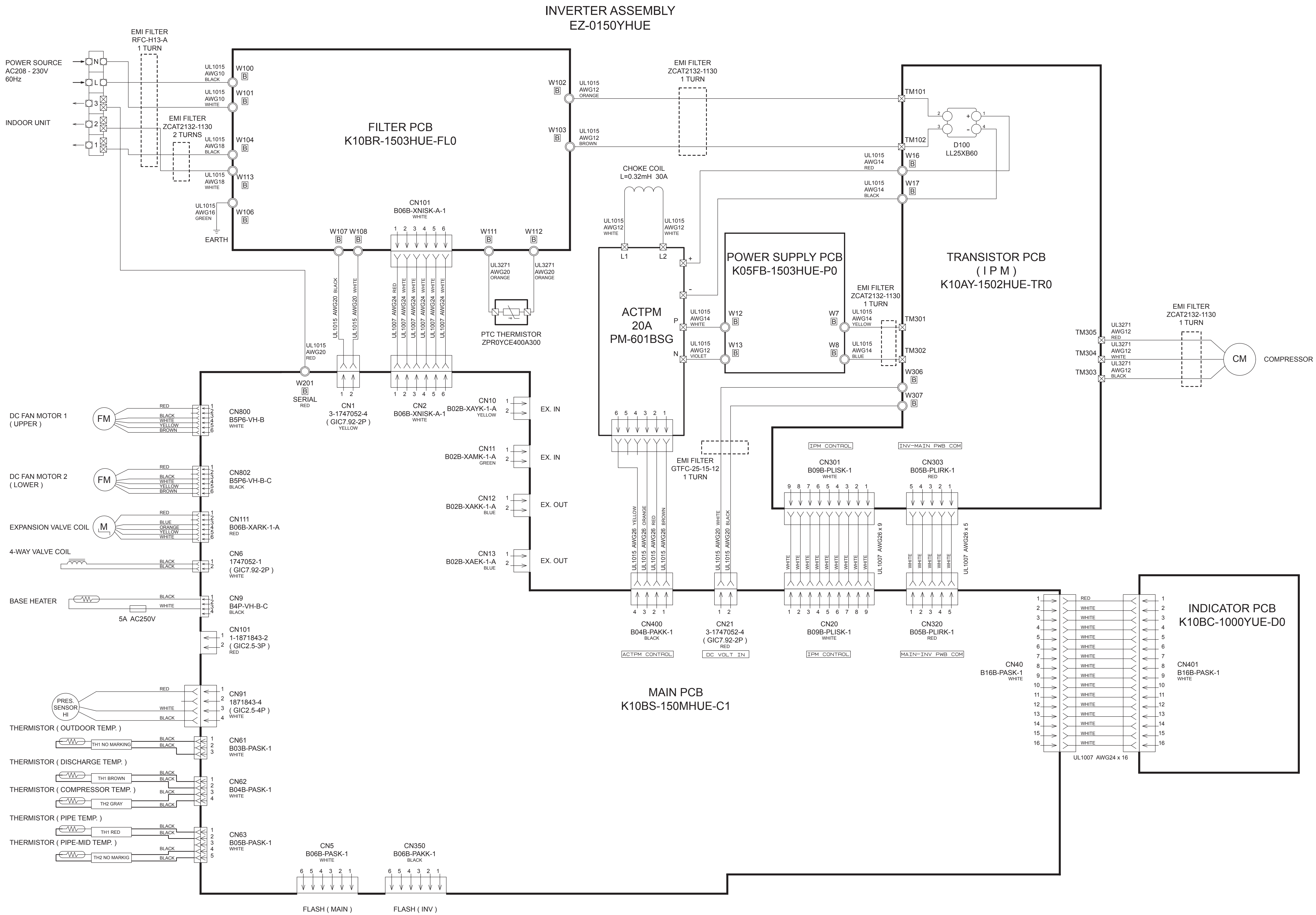


CN1 Thermistor Characteristics.

Thermistor \ Temperature	(0°C 32°F)	(20°C 68°F)	(30°C 86°F)
Thermistor (Pipe temp.)	176.0 k Ω 1.1 V	62.9 k Ω 2.2 V	39.6 k Ω 2.8 V
Thermistor (Room temp.)	33.6 k Ω 1.1 V	12.5 k Ω 2.2 V	8.0 k Ω 2.8 V

CN5 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	PG	Revolution pulse output	Blue


INVERTER ASSEMBLY
EZ-0150YHUE
EMI FILTER
RFC-H13-A
1 TURN
POWER SOURCE
AC208 - 230V
60Hz
INDOOR UNIT
EMI FILTER
ZCAT2132-1130
2 TURNS
EARTH
FILTER PCB
K10BR-1503HUE-FL0
W100
W101
W104
W113
W106
W102
W103
W107
W108
W111
W112
CN101
B06B-XNISK-A-1
PTC THERMISTOR
ZPR0YCE400A300
EMI FILTER
ZCAT2132-1130
1 TURN
TM101
TM102
D100
LL25XB60
W16
W17
CHOKE COIL
L=0.32mH 30A
L1
L2
ACTPM
20A
PM-601BSG
POWER SUPPLY PCB
K05FB-1503HUE-P0
W12
W13
W7
W8
TRANSISTOR PCB
(I P M)
K10AY-1502HUE-TR0
EMI FILTER
ZCAT2132-1130
1 TURN
TM301
TM302
W306
W307
TM305
TM304
TM303
EMI FILTER
ZCAT2132-1130
1 TURN
CM
COMPRESSOR
W201
SERIAL
CN1
3-1747052-4
(GIC7.92-2P)
CN2
B06B-XNISK-A-1
CN10
B02B-XAYK-1-A
EX. IN
CN11
B02B-XAMK-1-A
EX. IN
CN12
B02B-XAKK-1-A
EX. OUT
CN13
B02B-XAEK-1-A
EX. OUT
DC FAN MOTOR 1
(UPPER)
FM
CN800
B5P6-VH-B
DC FAN MOTOR 2
(LOWER)
FM
CN802
B5P6-VH-B-C
EXPANSION VALVE COIL
M
CN111
B06B-XARK-1-A
4-WAY VALVE COIL
CN6
1747052-1
(GIC7.92-2P)
BASE HEATER
5A AC250V
CN9
B4P-VH-B-C
CN101
1-1871843-2
(GIC2.5-3P)
PRES. SENSOR HI
CN91
1871843-4
(GIC2.5-4P)
THERMISTOR (OUTDOOR TEMP.)
CN61
B03B-PASK-1
THERMISTOR (DISCHARGE TEMP.)
THERMISTOR (COMPRESSOR TEMP.)
CN62
B04B-PASK-1
THERMISTOR (PIPE TEMP.)
THERMISTOR (PIPE-MID TEMP.)
CN63
B05B-PASK-1
CN5
B06B-PASK-1
FLASH (MAIN)
CN350
B06B-PAKK-1
FLASH (INV)
EMI FILTER
GTFC-25-15-12
1 TURN
IPM CONTROL
INV-MAIN PWB COM
CN301
B09B-PLISK-1
CN303
B05B-PLIRK-1
CN400
B04B-PAKK-1
ACTPM CONTROL
CN21
3-1747052-4
(GIC7.92-2P)
DC VOLT IN
CN20
B09B-PLISK-1
IPM CONTROL
CN320
B05B-PLIRK-1
MAIN-INV PWB COM
MAIN PCB
K10BS-150MHUE-C1
CN40
B16B-PASK-1
UL1007 AWG24 x 16
CN401
B16B-PASK-1
INDICATOR PCB
K10BC-1000YUE-D0

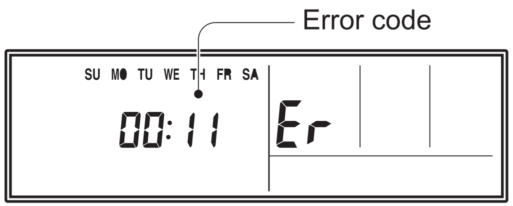
ERROR DETECTION

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 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 operation.

Troubleshooting with 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

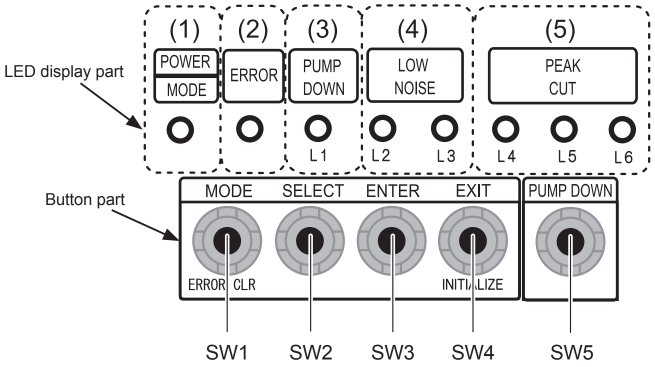
◇ : 0.1s on / 0.1s off

( ) : Number of flashing

Error display			Wired remote controll Error code	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
●(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)	●(5)	◇	35	Manual auto switch error
●(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)	●(7)	◇	57	Damper error
●(5)	●(8)	◇	58	Intake grille error
●(5)	●(15)	◇	5U	Indoor unit error
●(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)	●(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)	◇	J2	Branch boxes error [Flexible Multi]

OUTDOOR UNIT
ERROR CODE DISPLAY

You can determine the operating status
by the lighting up and blinking of the LED lamp.



Display when an error occurs

POWER MODE	ERROR	PUMP DOWN (L1)	LOW NOISE (L2)	(L3)	PEAK CUT (L4)	(L5)	(L6)
●	Blink (Hi speed)	○	○	○	○	○	○

Sign "○": Lights off, "●": Lights on

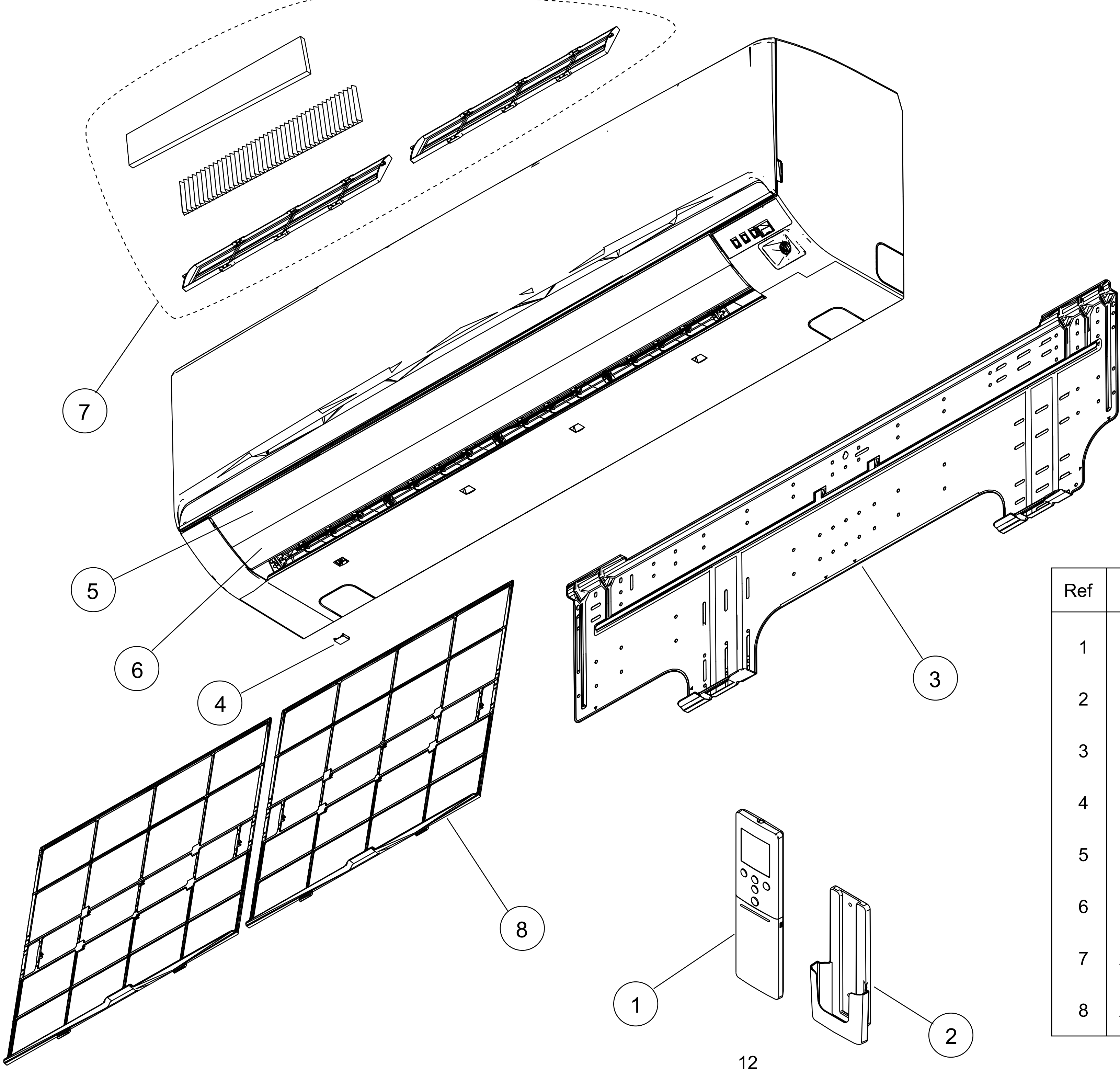
(1) Check that the "ERROR" LED blinks, then press the [Enter] button once.

(2) For details, refer to the following table.

Display mode ● : ON
○ : OFF
◆ : Blink (0.5s ON / 0.5s OFF)
( ) : Number of ßashing

Error code check table

LED display								DESCRIPTION	REMARK
POWER MODE	ERROR	PUMP DOWN	LOW NOISE		PEAK CUT				
		(L1)	(L2)	(L3)	(L4)	(L5)	(L6)		
◆(2)	●	◆(1)	◆(1)	○	○	●	●	Serial communication error	Serial forward transmission error immediately after operation
◆(2)	●	◆(1)	◆(1)	○	●	○	○		Serial forward transmission error during operation
◆(2)	●	◆(2)	◆(2)	○	○	○	●	Indoor unit capacity error	Indoor unit capacity error
◆(2)	●	◆(5)	◆(15)	○	○	○	●	Indoor unit error	Indoor unit error
◆(2)	●	◆(6)	◆(2)	○	○	○	●	Outdoor unit main PCB error	Outdoor unit PCB model information error
◆(2)	●	◆(6)	◆(3)	○	○	○	●	Inverter PCB error	Inverter error
◆(2)	●	◆(6)	◆(5)	○	○	●	●	IPM error	Trip terminal L error
◆(2)	●	◆(7)	◆(1)	○	○	○	●	Discharge temp. sensor error	Discharge temp. sensor 1 error
◆(2)	●	◆(7)	◆(2)	○	○	○	●	Compressor temp. sensor error	Compressor temp. sensor 1 error
◆(2)	●	◆(7)	◆(3)	○	○	●	○	Outdoor unit Heat Ex. sensor error	Heat Ex. middle temp. sensor error
◆(2)	●	◆(7)	◆(3)	○	○	●	●		Outdoor unit Heat Ex. liquid temp. sensor error
◆(2)	●	◆(7)	◆(4)	○	○	○	●	Outdoor temp. sensor error	Outdoor temp. sensor error
◆(2)	●	◆(7)	◆(7)	○	○	○	●	Heat sink temp. sensor error	Heat sink temp. sensor error
◆(2)	●	◆(8)	◆(4)	○	○	○	●	Current sensor error	Current sensor 1 error (stoppage permanently)
◆(2)	●	◆(8)	◆(6)	○	●	○	○	Pressure sensor error	High pressure switch 1 error
◆(2)	●	◆(8)	◆(6)	○	●	●	○		Pressure sensor error
◆(2)	●	◆(9)	◆(4)	○	○	○	●	Trip detection	Trip detection
◆(2)	●	◆(9)	◆(5)	○	○	○	●	Compressor motor control error	Rotor position detection error (stoppage permanently)
◆(2)	●	◆(9)	◆(7)	○	○	●	●	Outdoor unit fan motor 1 error	Duty error
◆(2)	●	◆(9)	◆(8)	○	○	●	●	Outdoor unit fan motor 2 error	Duty error
◆(2)	●	◆(9)	◆(9)	○	○	○	●	4-way valve error	4-way valve error
◆(2)	●	◆(10)	◆(1)	○	○	○	●	Discharge temp. 1 error	Discharge temp. 1 error
◆(2)	●	◆(10)	◆(3)	○	○	○	●	Compressor temp. error	Compressor 1 temp. error
◆(2)	●	◆(10)	◆(5)	○	○	○	●	Pressure error 2	Low pressure error

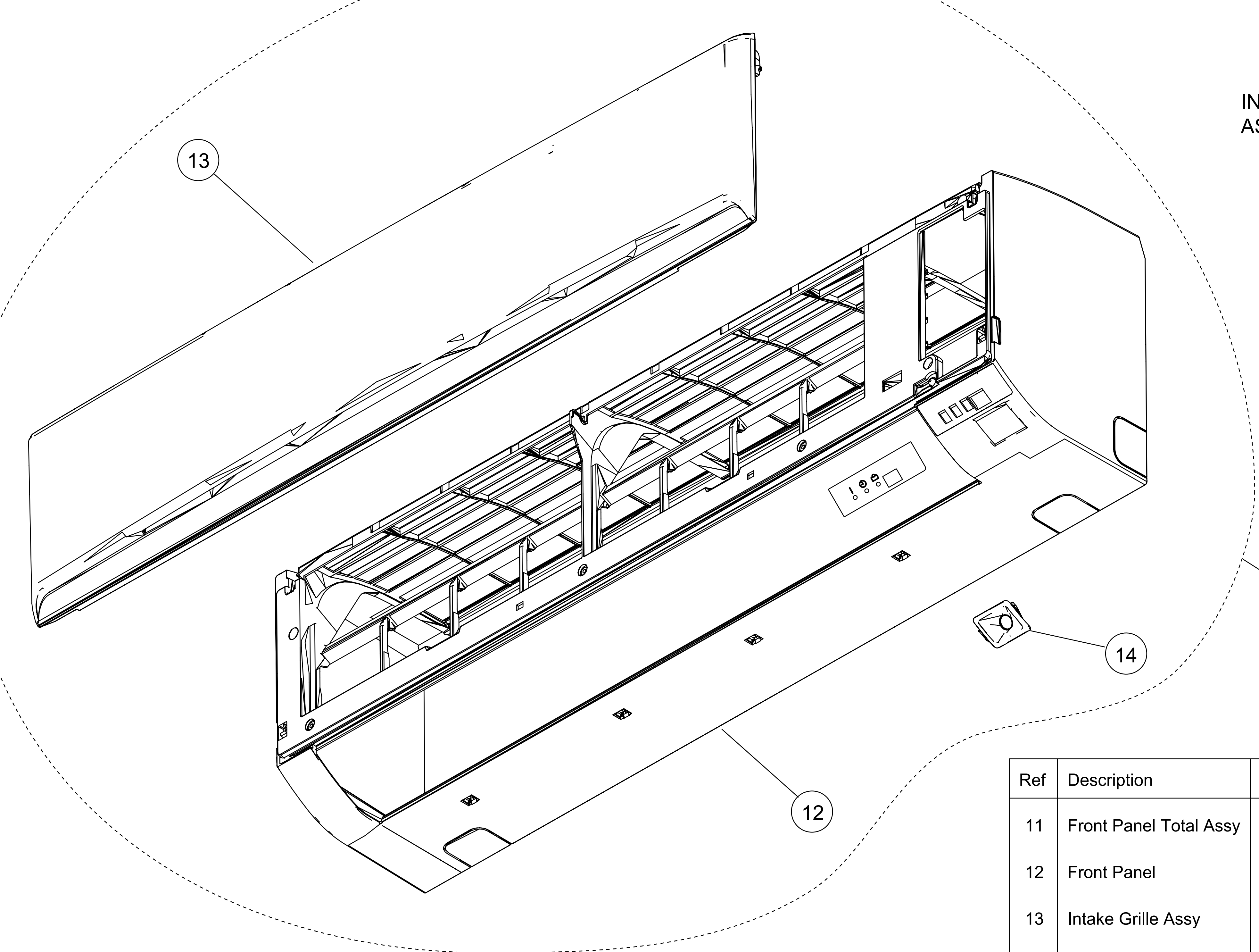


PARTS

INDOOR UNIT
ASU30RLE

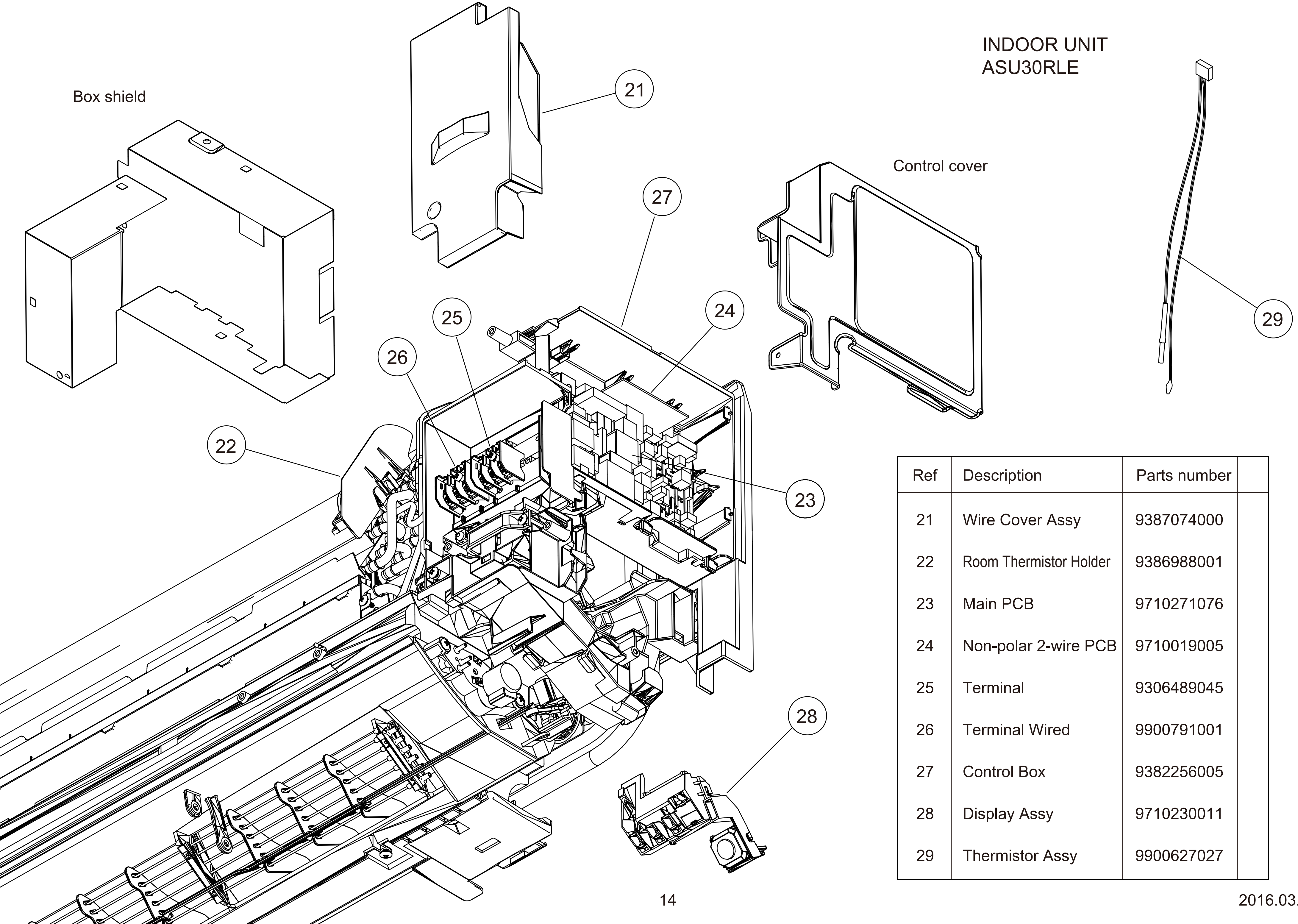
Ref	Description	Parts number	
1	Remote Control (no brand)	9382108021	
2	Remote Control Holder	9318912005	
3	Bracket Panel	9386990004	
4	Screw Cap	9386986007	
5	Louver U (Upper)	9386958004	
6	Louver Z (Lower)	9386959001	
7	Air Clean Filter Assy	9315212016	
8	Air Filter	9386960007	

INDOOR UNIT
ASU30RLE



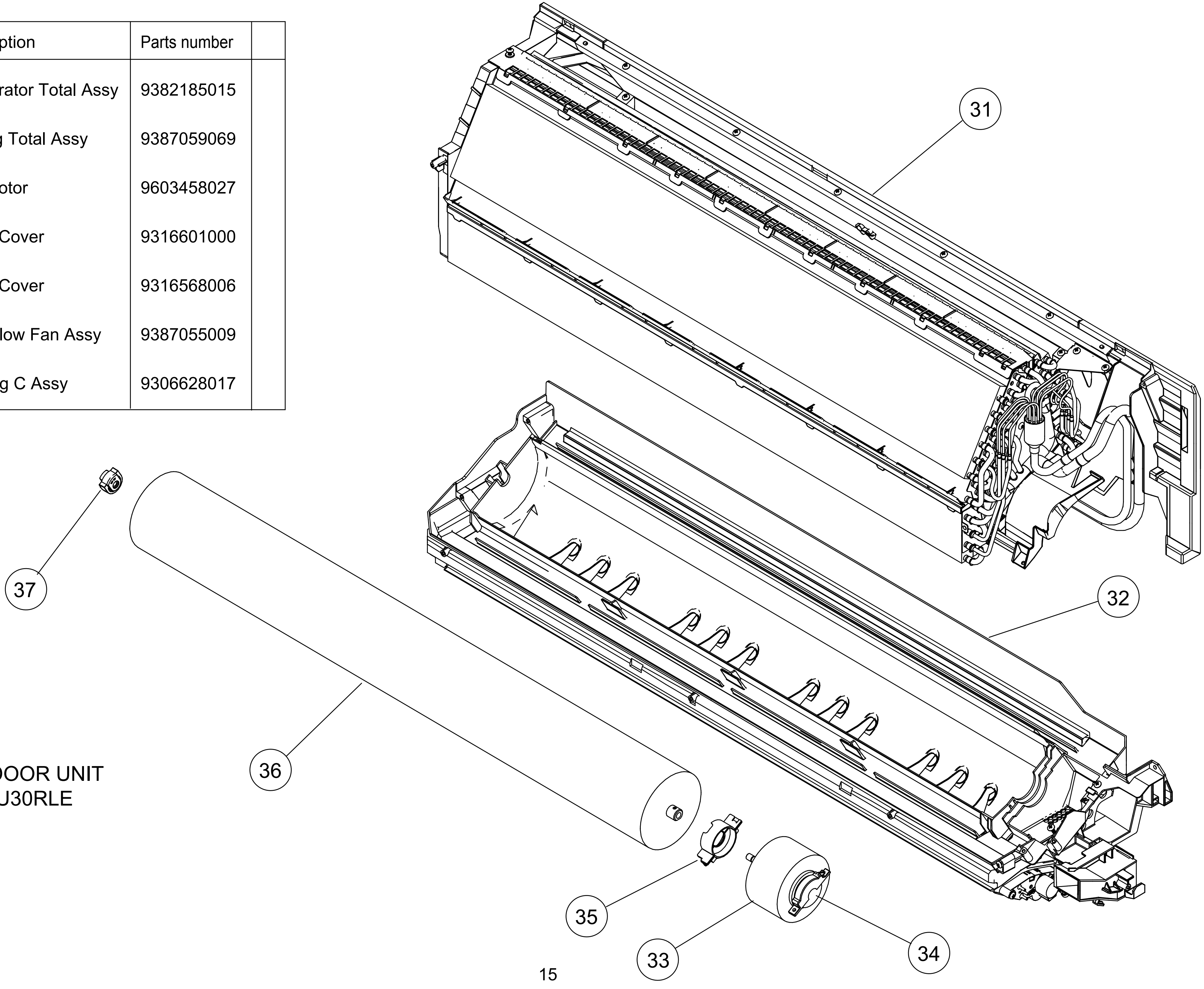
Ref	Description	Parts number	
11	Front Panel Total Assy	9387072051	
12	Front Panel	9386954013	
13	Intake Grille Assy	9382114039	
14	Front Panel Cover	9386999007	

INDOOR UNIT
ASU30RLE



Ref	Description	Parts number	
21	Wire Cover Assy	9387074000	
22	Room Thermistor Holder	9386988001	
23	Main PCB	9710271076	
24	Non-polar 2-wire PCB	9710019005	
25	Terminal	9306489045	
26	Terminal Wired	9900791001	
27	Control Box	9382256005	
28	Display Assy	9710230011	
29	Thermistor Assy	9900627027	

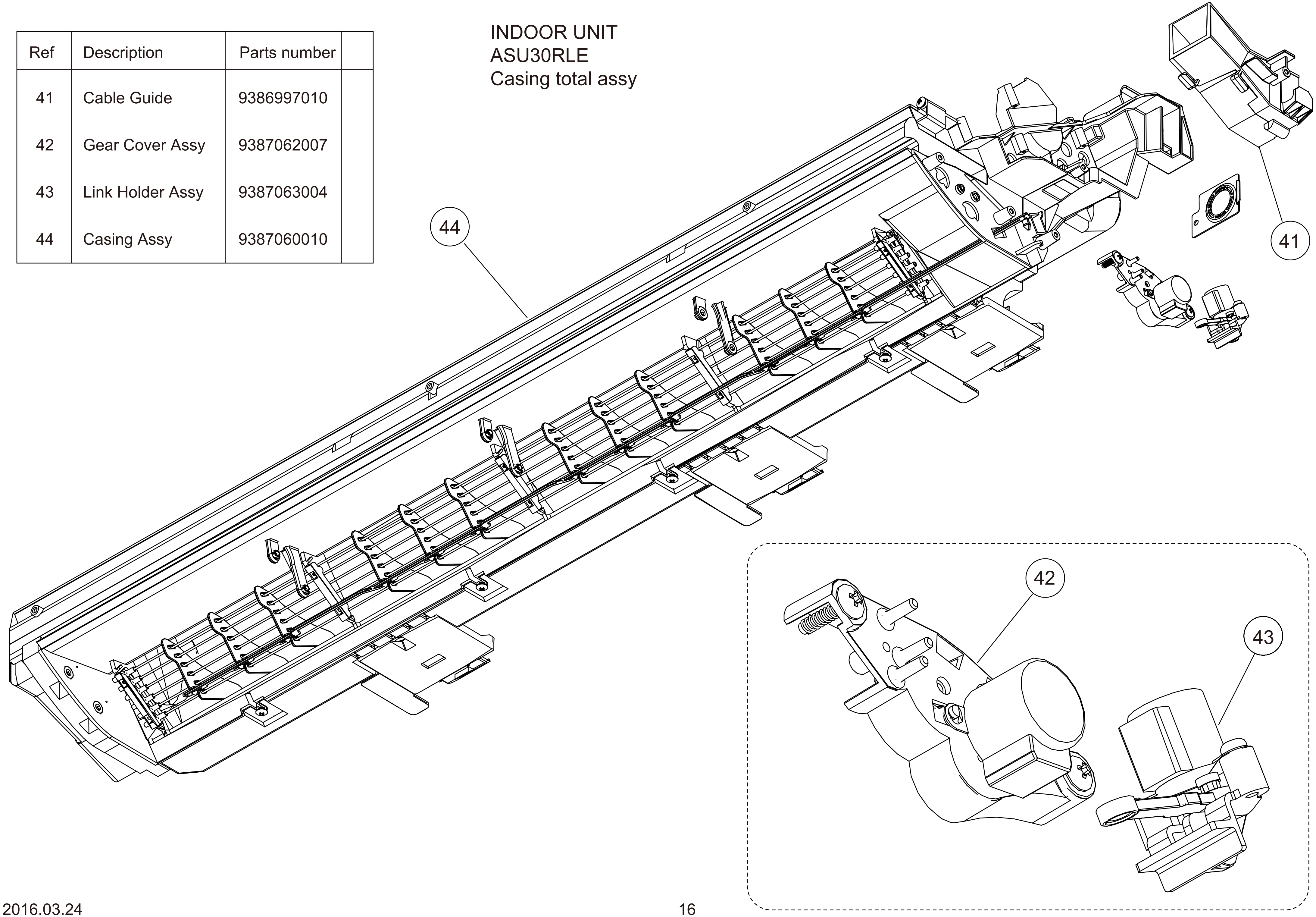
Ref	Description	Parts number	
31	Evaporator Total Assy	9382185015	
32	Casing Total Assy	9387059069	
33	Fan Motor	9603458027	
34	Motor Cover	9316601000	
35	Motor Cover	9316568006	
36	Crossflow Fan Assy	9387055009	
37	Bearing C Assy	9306628017	

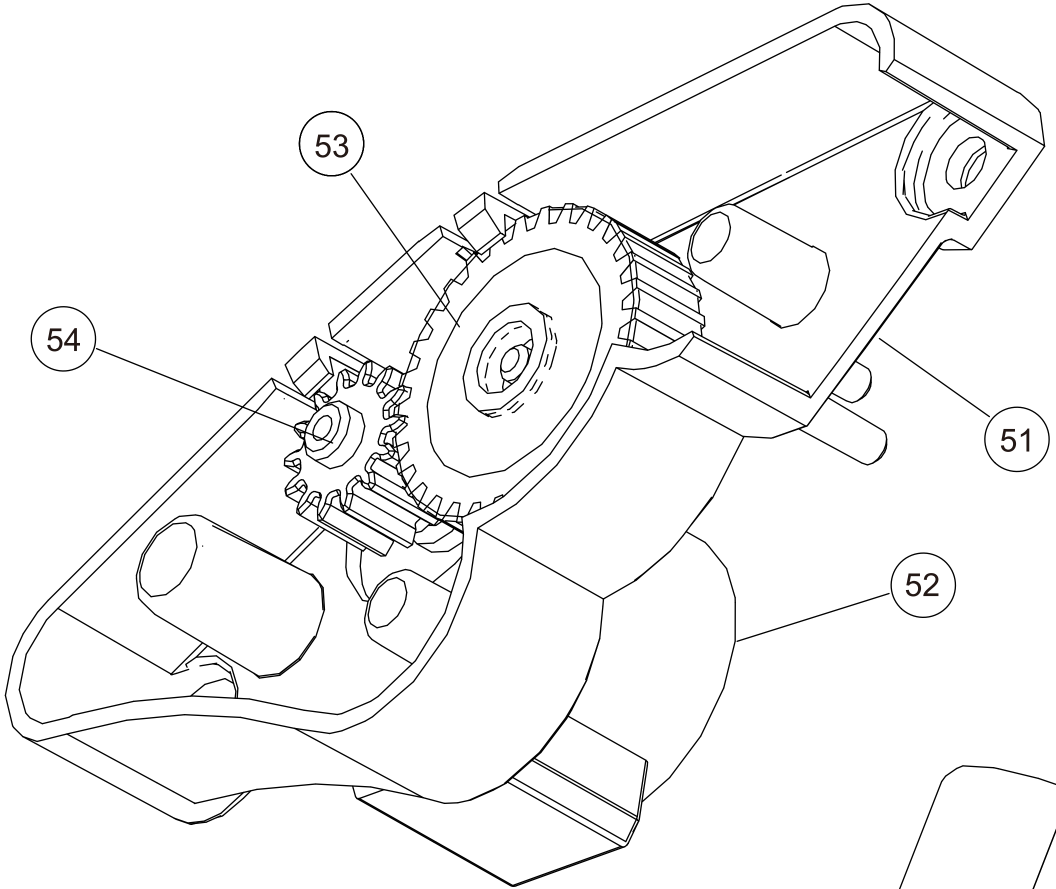


INDOOR UNIT
ASU30RLE

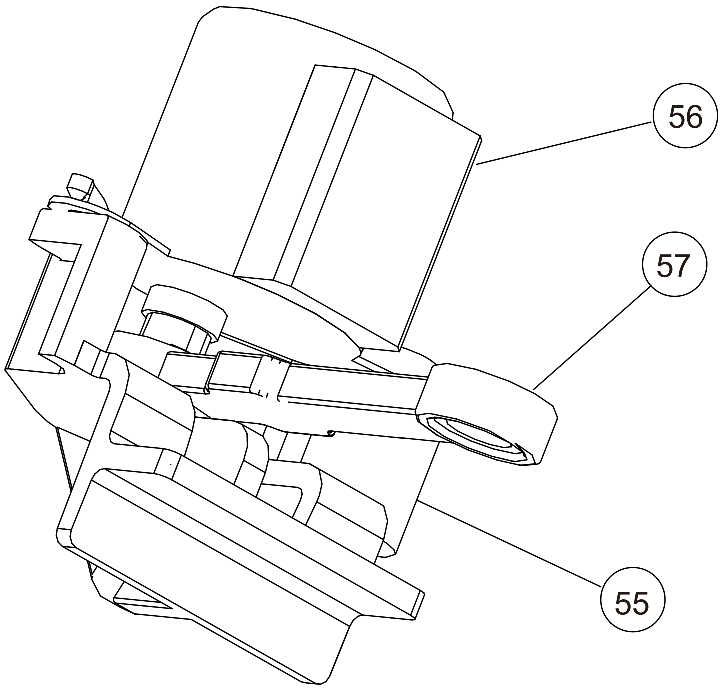
Ref	Description	Parts number	
41	Cable Guide	9386997010	
42	Gear Cover Assy	9387062007	
43	Link Holder Assy	9387063004	
44	Casing Assy	9387060010	

INDOOR UNIT
ASU30RLE
Casing total assy



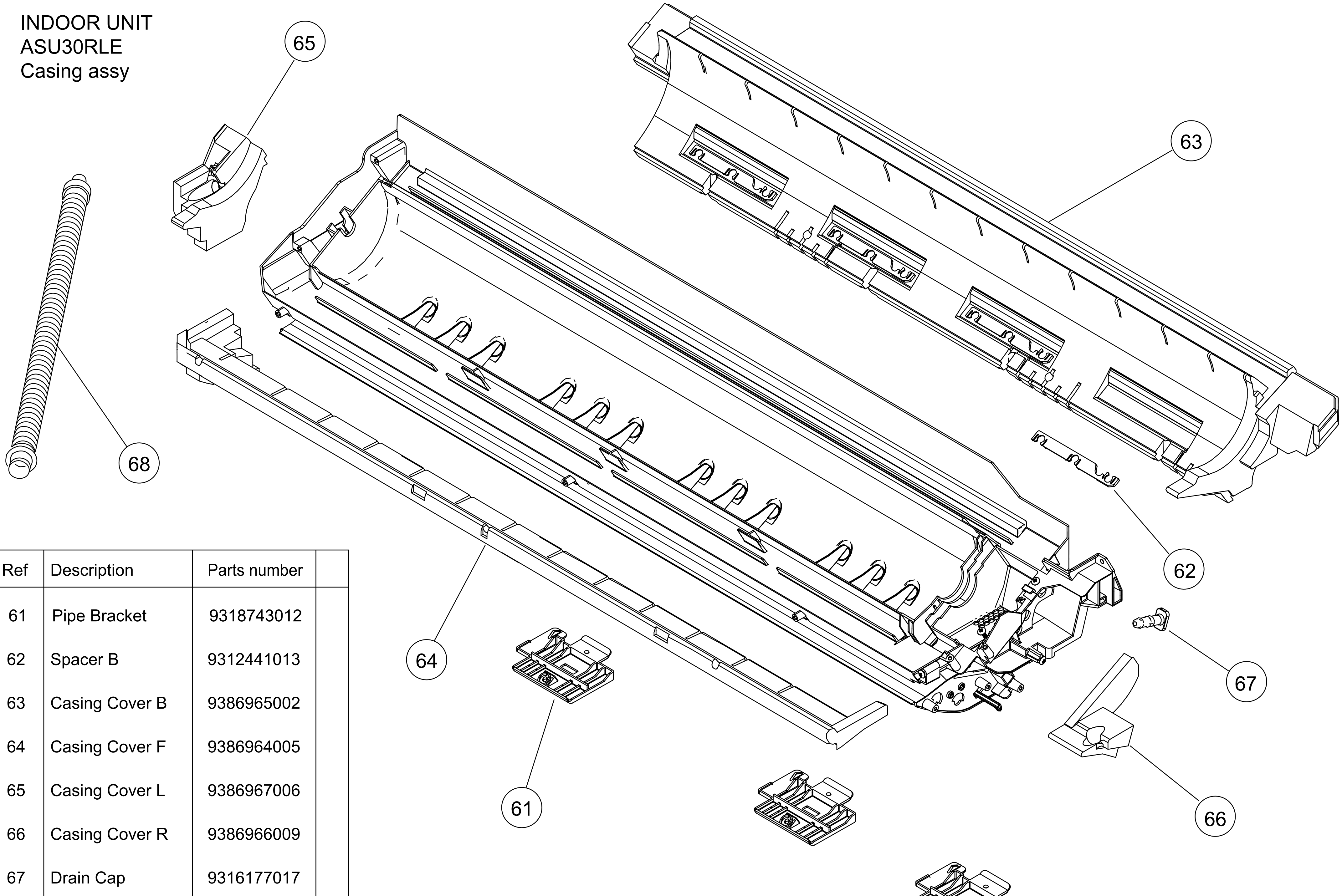


Ref	Description	Parts number	
51	Gear Cover A	9386970006	
52	Step Motor	9900384234	
53	Louver Gear	9317648004	
54	Gear A	9309994003	
55	Link Holder	9315007018	
56	Step Motor	9900139186	
57	Link A	9386972000	



INDOOR UNIT
ASU30RLE
Gear cover assy
Link holder assy

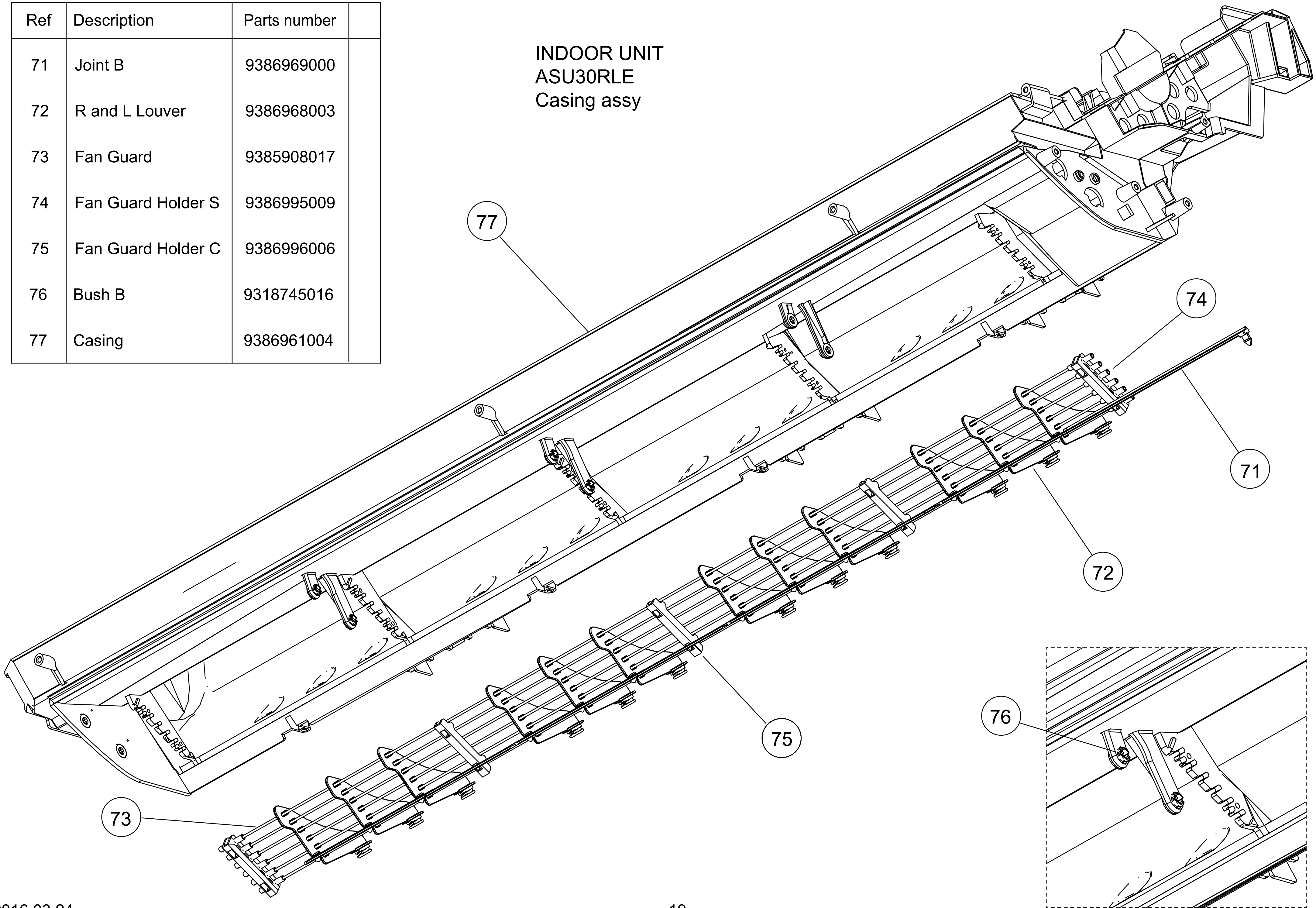
INDOOR UNIT
ASU30RLE
Casing assy

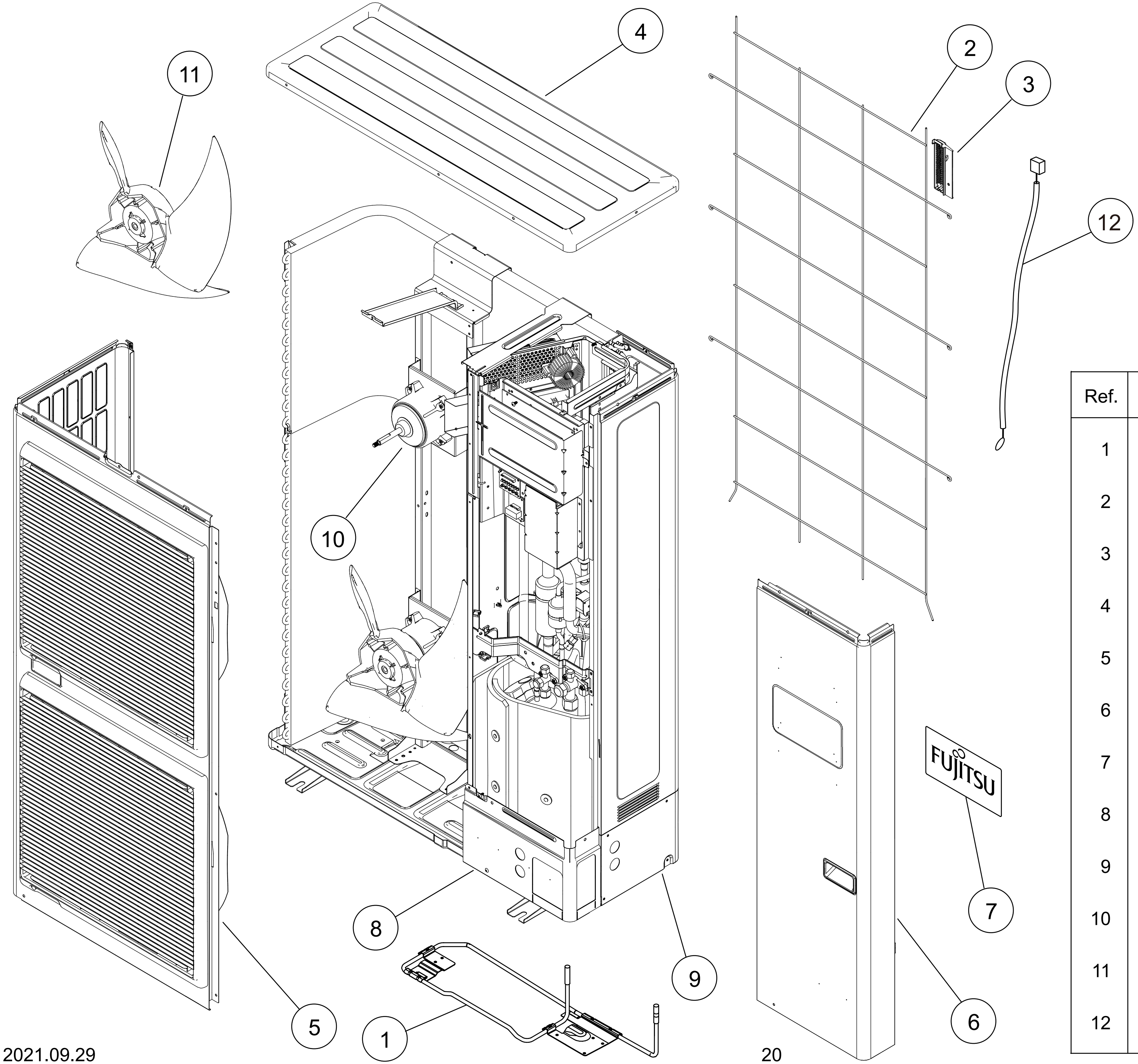


Ref	Description	Parts number	
61	Pipe Bracket	9318743012	
62	Spacer B	9312441013	
63	Casing Cover B	9386965002	
64	Casing Cover F	9386964005	
65	Casing Cover L	9386967006	
66	Casing Cover R	9386966009	
67	Drain Cap	9316177017	
68	Drain Hose Assy	9387056006	

Ref	Description	Parts number	
71	Joint B	9386969000	
72	R and L Louver	9386968003	
73	Fan Guard	9385908017	
74	Fan Guard Holder S	9386995009	
75	Fan Guard Holder C	9386996006	
76	Bush B	9318745016	
77	Casing	9386961004	

INDOOR UNIT
ASU30RLE
Casing assy





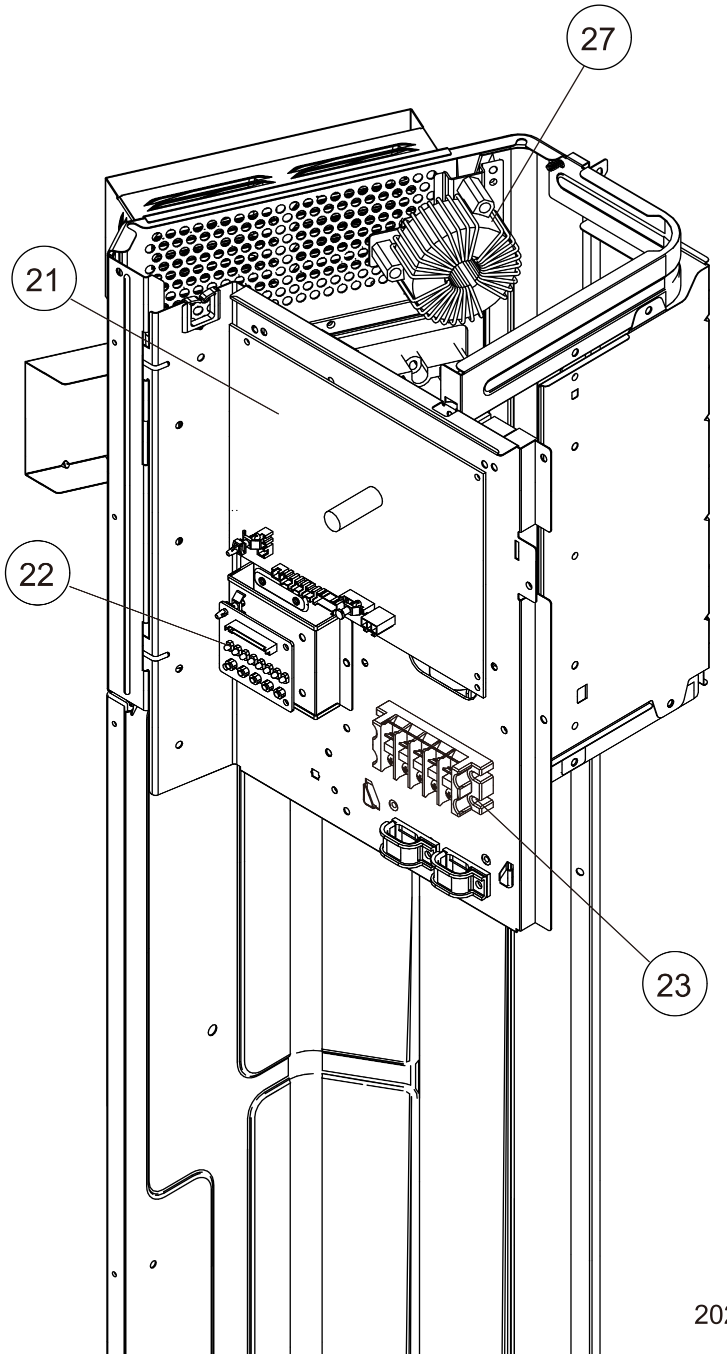
PARTS

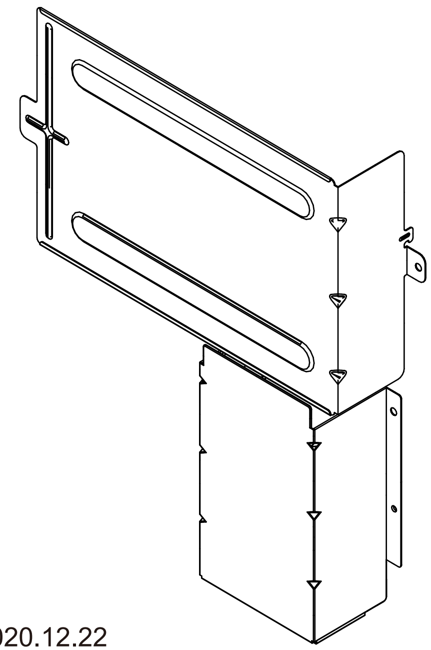
OUTDOOR UNIT
AOU30RLXEH

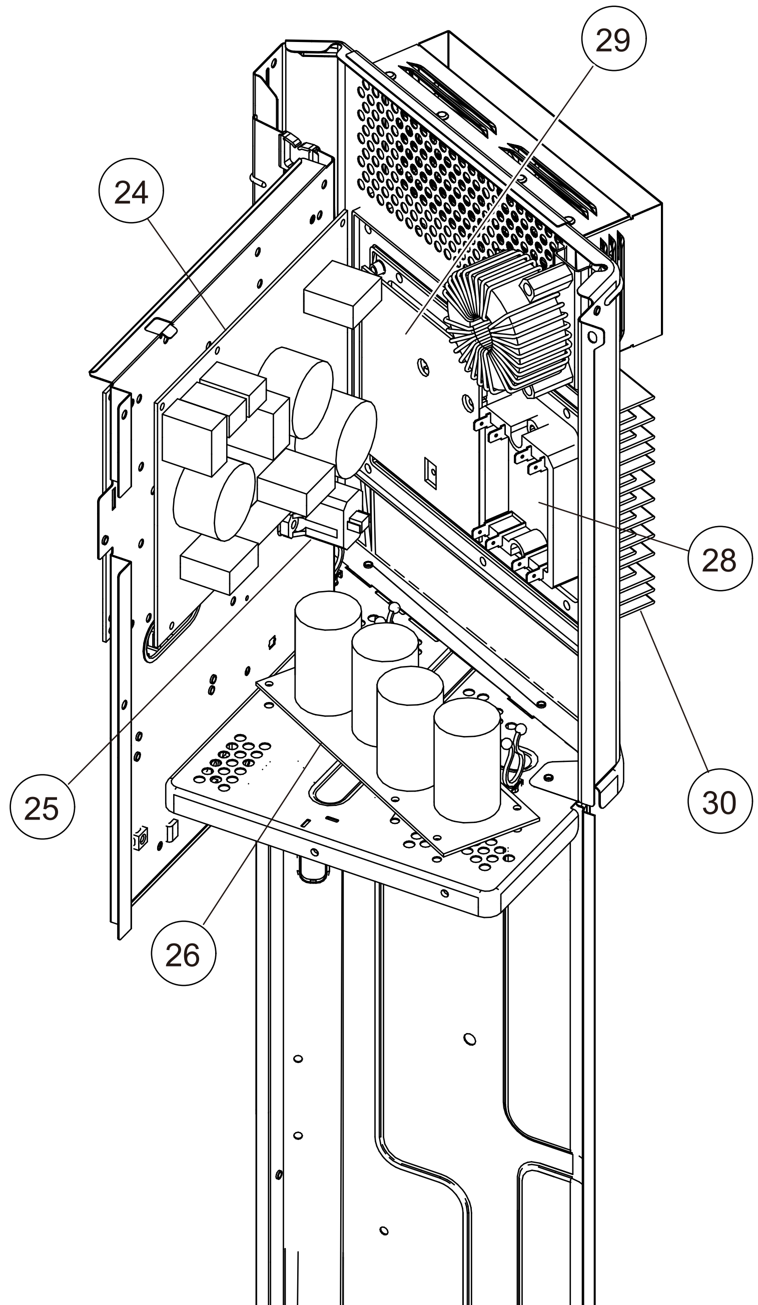
Ref.	Description	Parts number	
1	Heater Unit Sub Assy	9900888022	
2	Protective Net	9375381042	
3	Thermo Holder	9375211011	
4	Top Panel Sub Assy	9374417056	
5	Front Panel Sub Assy	9374414154	
6	Sevice Panel Sub Assy	9374415090	
7	Emblem Rear	9351355005	
8	Pipe Cover Front	9378861015	
9	Right Panel Sub Assy	9374416264	
10	Motor DC Brushless	9379853019	
11	Propeller Fan Assy	9366378020	
12	Outdoor Thermistor	9900210069	

OUTDOOR UNIT
AOU30RLXEH
Control box

Ref.	Description	Parts number	
21	Main PCB	9709904350	
22	Indicator PCB	9708678016	
23	Terminal	9900428020	
24	Filter PCB	9709903063	
25	Thermistor	9704265012	
26	Capacitor PCB	9709894132	
27	Choke Coil	9900624019	
28	ACTPM	9707592016	
29	Transistor PCB	9709682920	
30	Heat Sink	9380358008	

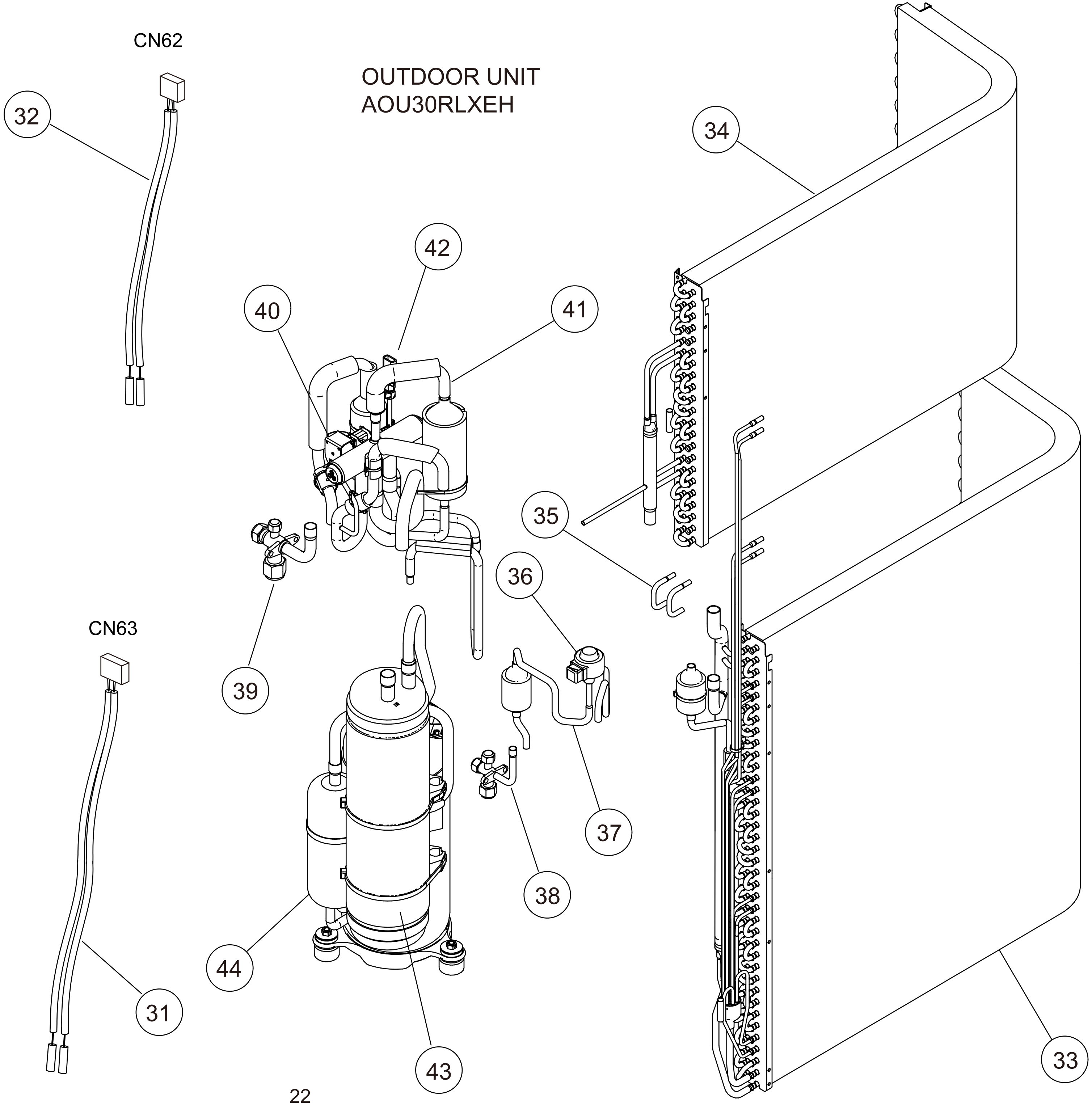






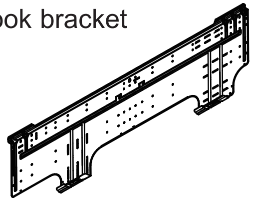
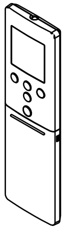
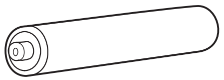
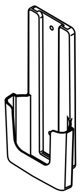
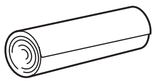
Ref.	Description	Parts number	
31	Thermistor Assy (5 pins)	9900599027	
32	Thermistor Assy (4 pins)	9900598013	
33	Condenser A Sub Assy	9374420261	
34	Condenser B Sub Assy	9374422081	
35	Bypass Pipe A	9371324043	
36	Expansion Valve Coil	9970098062	
37	Expansion Valve Assy	9370947182	
38	3-way Valve Assy	9379077002	
39	3-way Valve Assy	9379079006	
40	Solenoid	9970113055	
41	4-way Valve Assy	9374425525	
42	Sensor	9900505080	
43	Accumulator Assy	9375250096	
44	Compressor Sub Assy	9374423460	

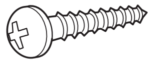
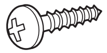
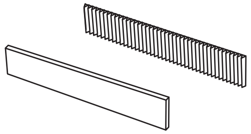
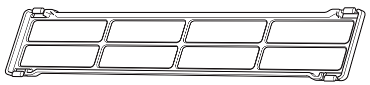
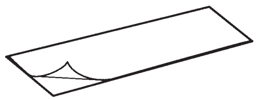
OUTDOOR UNIT
AOU30RLXEH



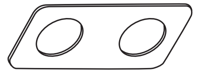
ACCESSORIES

INDOOR UNIT

Name and Shape	Part number
Wall hook bracket 	9386990004
Remote control 	9382108021
Battery 	0600185541
Remote control holder 	9318912005
Cloth tape 	9310519004

Name and Shape	Part number
Tapping screw (Large) 	0700076046
Tapping screw (Small) 	0700019036
Air cleaning filter 	Electric filter 9312153060 Ion deodrant 9311925071
Filter holder 	9368568009
Insulation (drain hose) T 	9361756007

OUTDOOR UNIT

Name and Shape	Part number
Conduit plate  To fix conduit tube	9379938006