

SPLIT TYPE ROOM AIR CONDITIONER WALL MOUNTED type

SERVICE MANUAL

Models	Indoor unit	Outdoor unit
	ASY18ABAJ	AOY18ANAKH AOY18ANAK
	ASY18RBAJ	AOY18RNAKH
	ASY24ABAJ	AOY24ANAKH AOY24ANAK
	ASY24RBAJ	AOY24RNAKH
	ASY30RBAJ	AOY30RMADH

C O N T E N T S

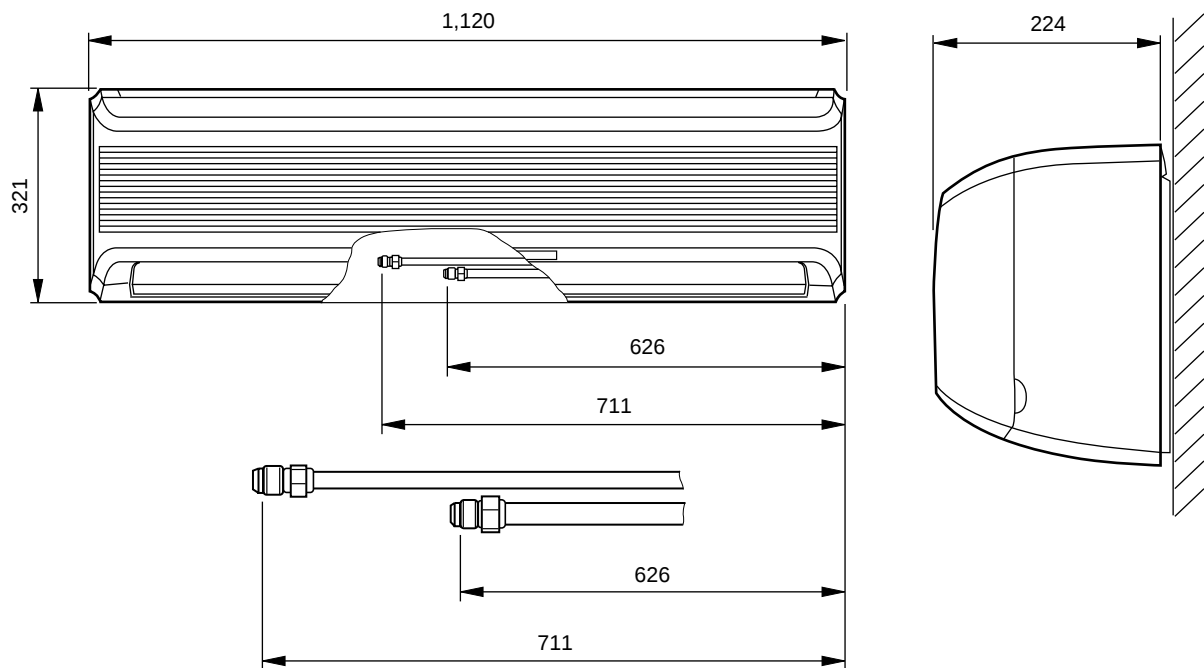
SPECIFICATIONS	1
OUTLINE AND DIMENSIONS	2
REFRIGERANT SYSTEM DIAGRAM	4
ERROR CONTENTS	8
CIRCUIT DIAGRAM	10
INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM	14
DISASSEMBLY ILLUSTRATION	18
PARTS LIST	34
STANDARD ACCESSORIES	38

OUTLINE AND DIMENSIONS

INDOOR UNIT

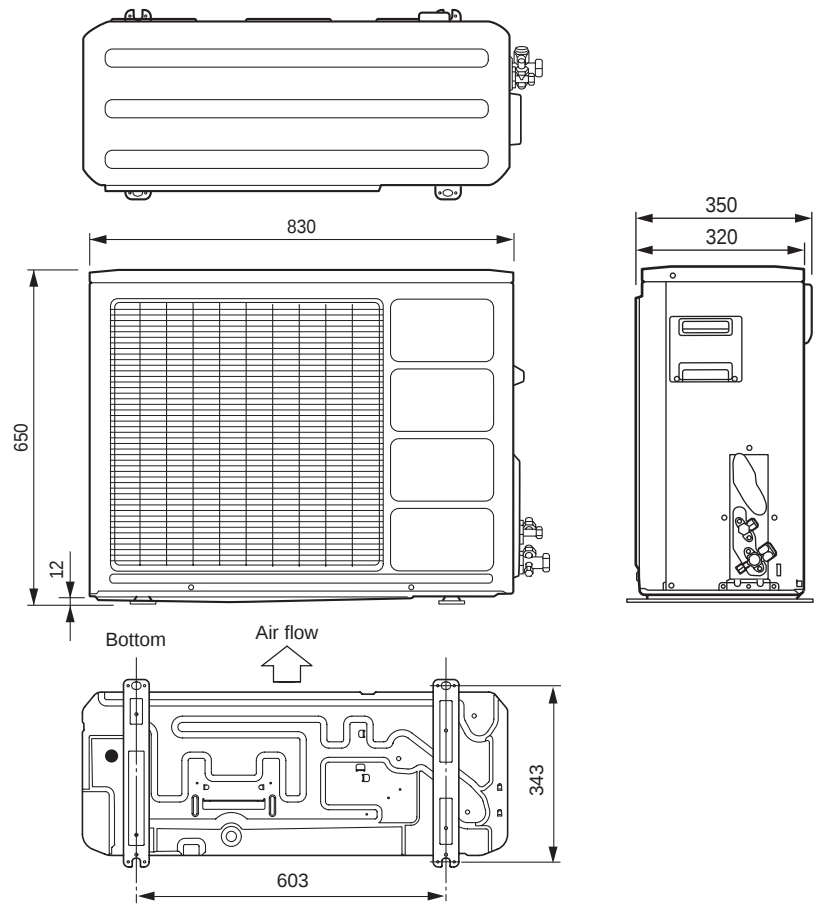
Models : ASY18ABAJ, ASY18RBAJ
ASY24ABAJ, ASY24RBAJ
ASY30RBAJ

Unit : mm

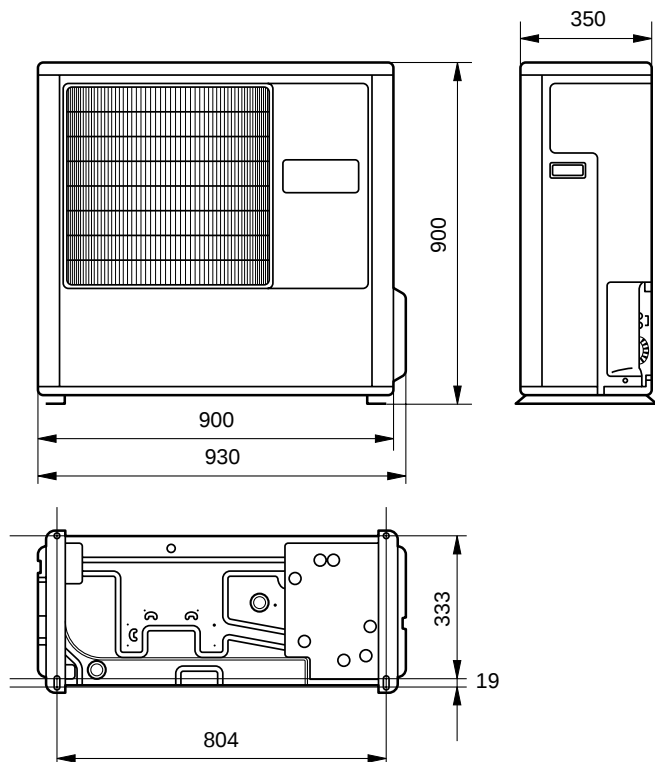


OUTDOOR UNIT

**Models : AOY18ANAKH, AOY18ANAK, AOY18RNAKH
AOY24ANAKH, AOY24ANAK, AOY24RNAKH**

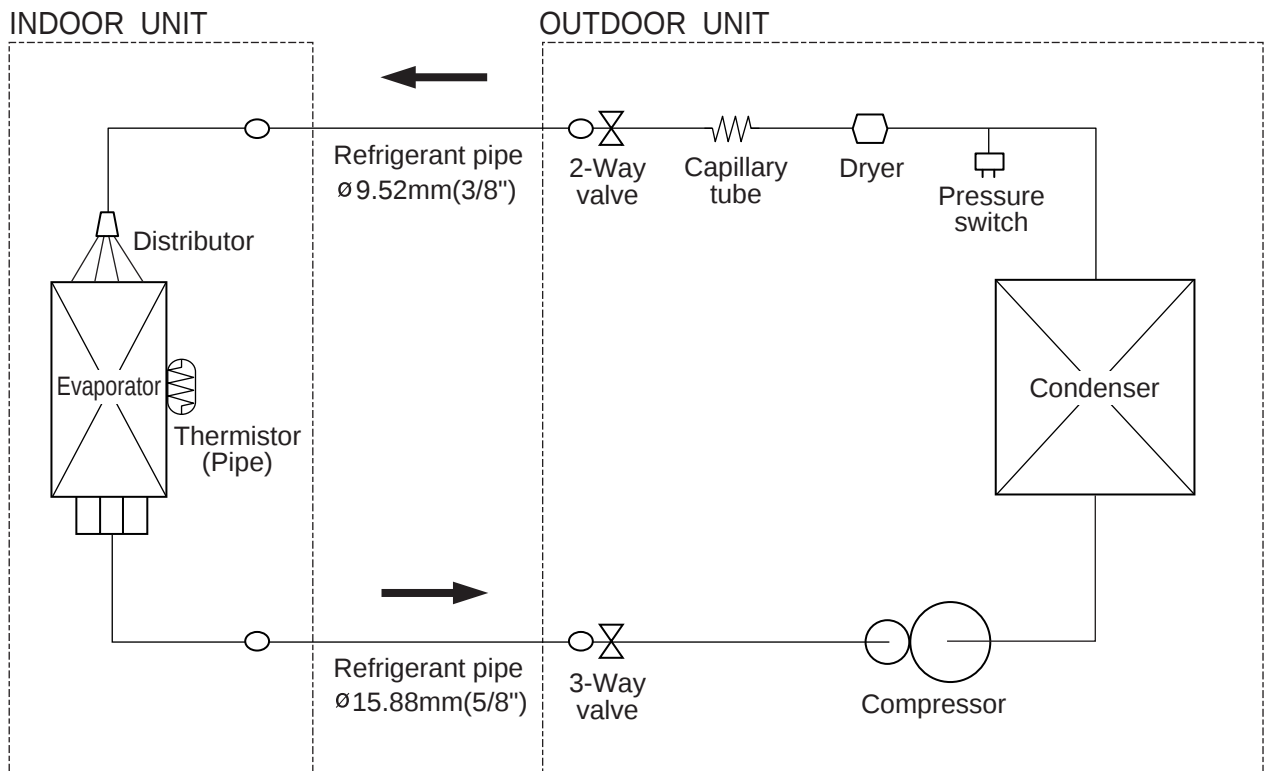


Model : AOY30RMADH

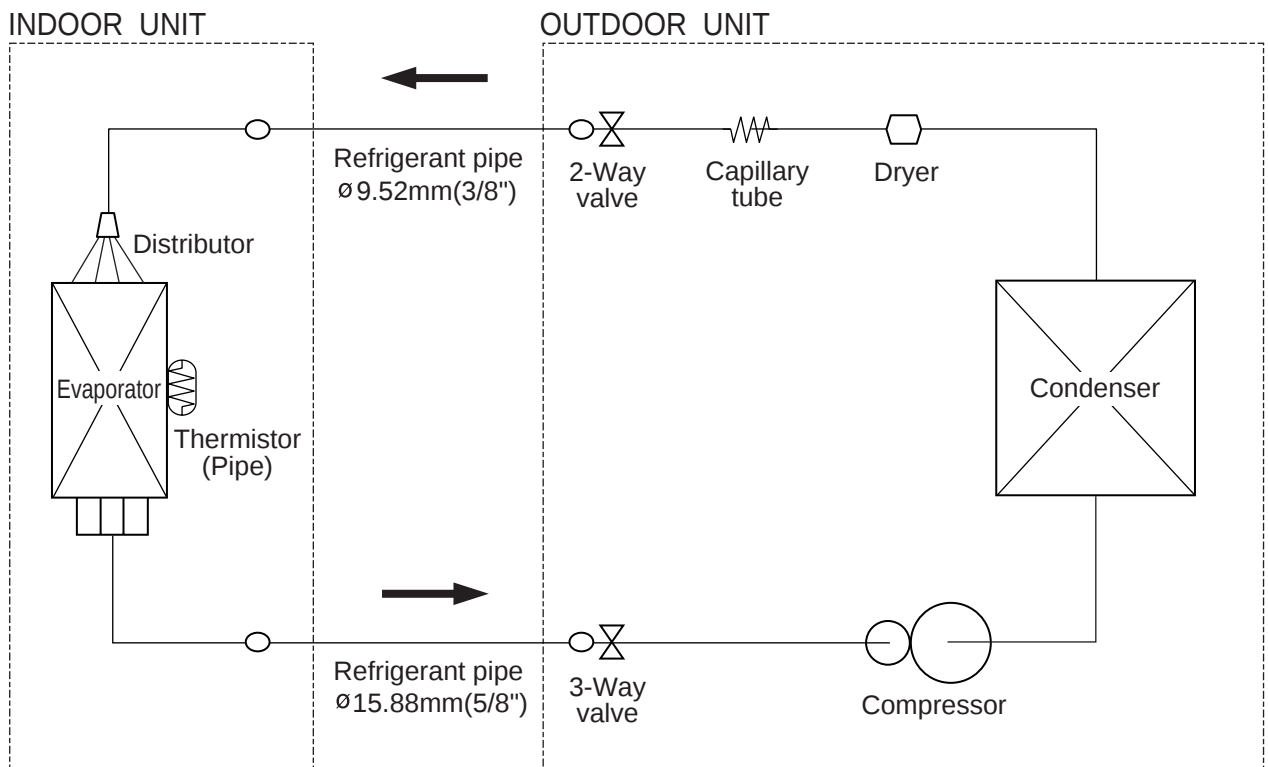


REFRIGERANT SYSTEM DIAGRAM

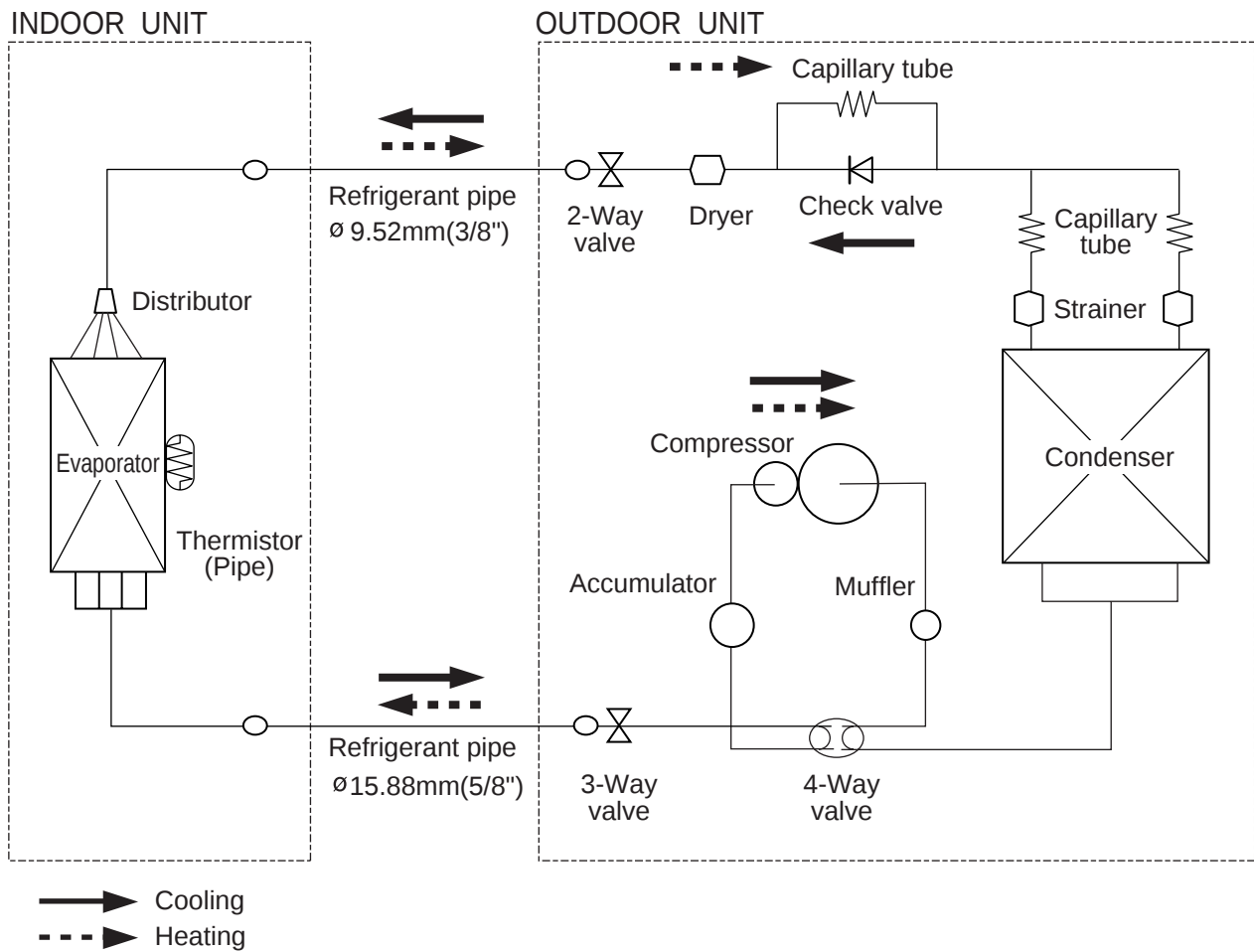
Models : ASY18ABAJ / AOY18ANAKH



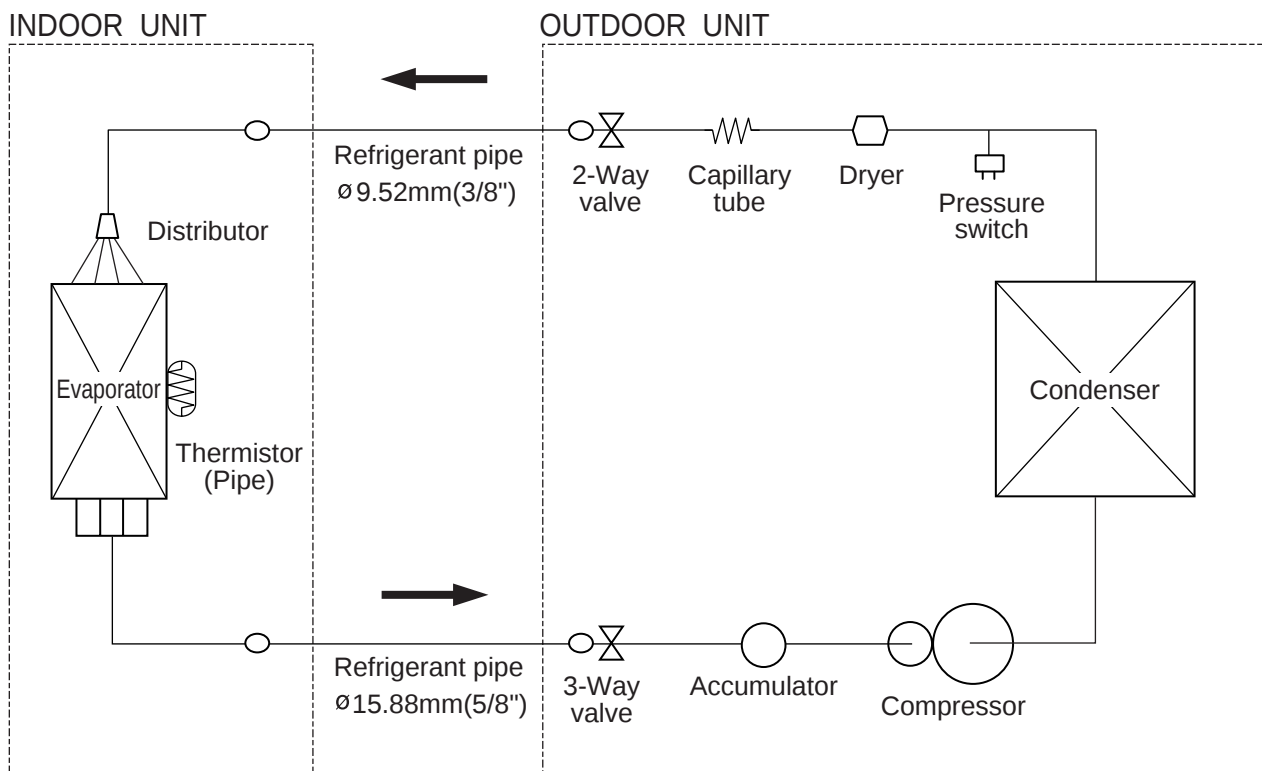
Models : ASY18ABAJ / AOY18ANAK



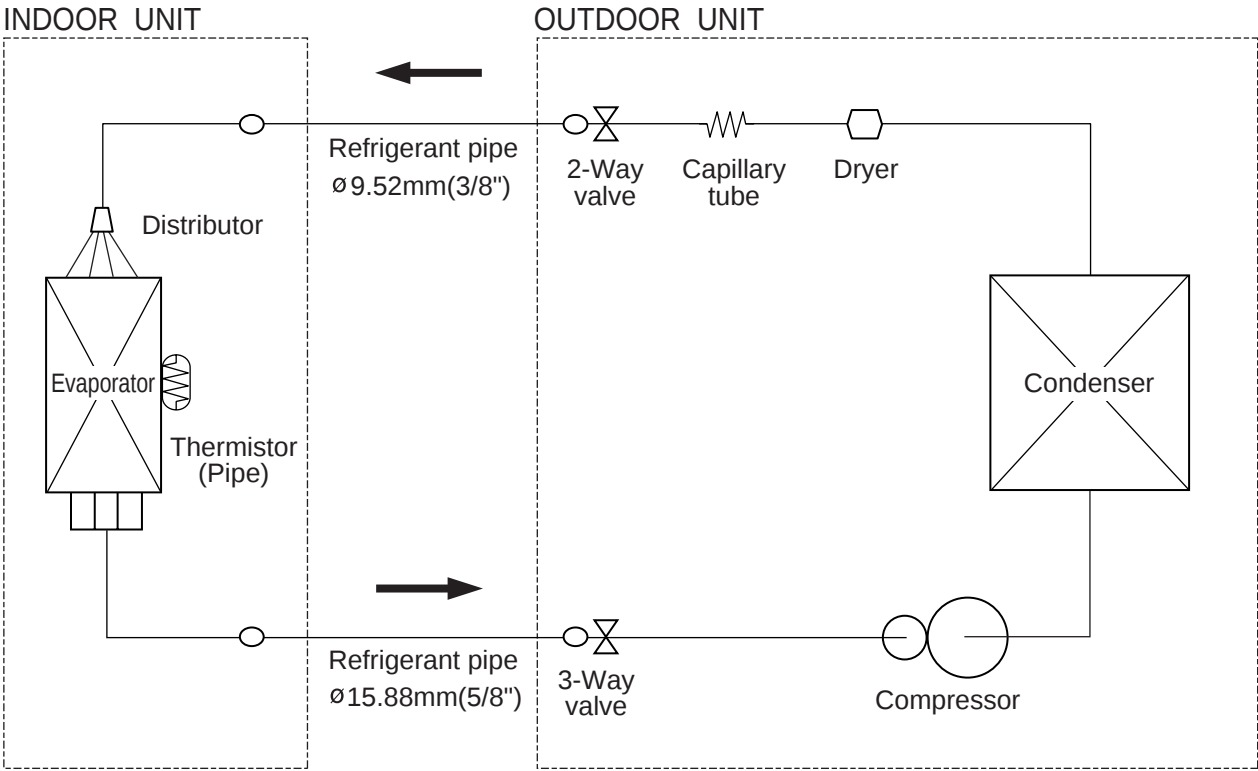
Models : ASY18RBAJ / AOY18RNAKH



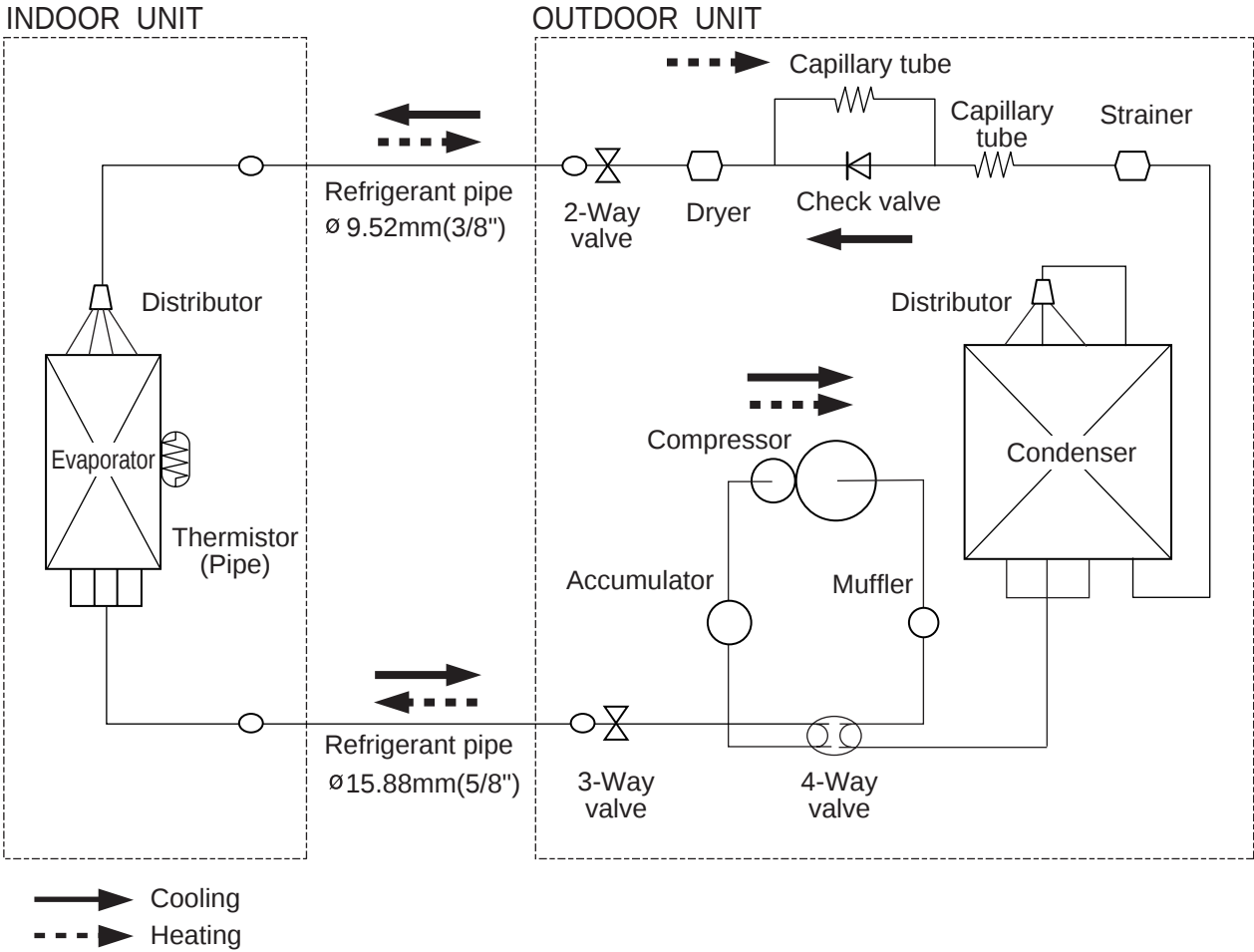
Models : ASY24ABAJ / AOY24ANAKH



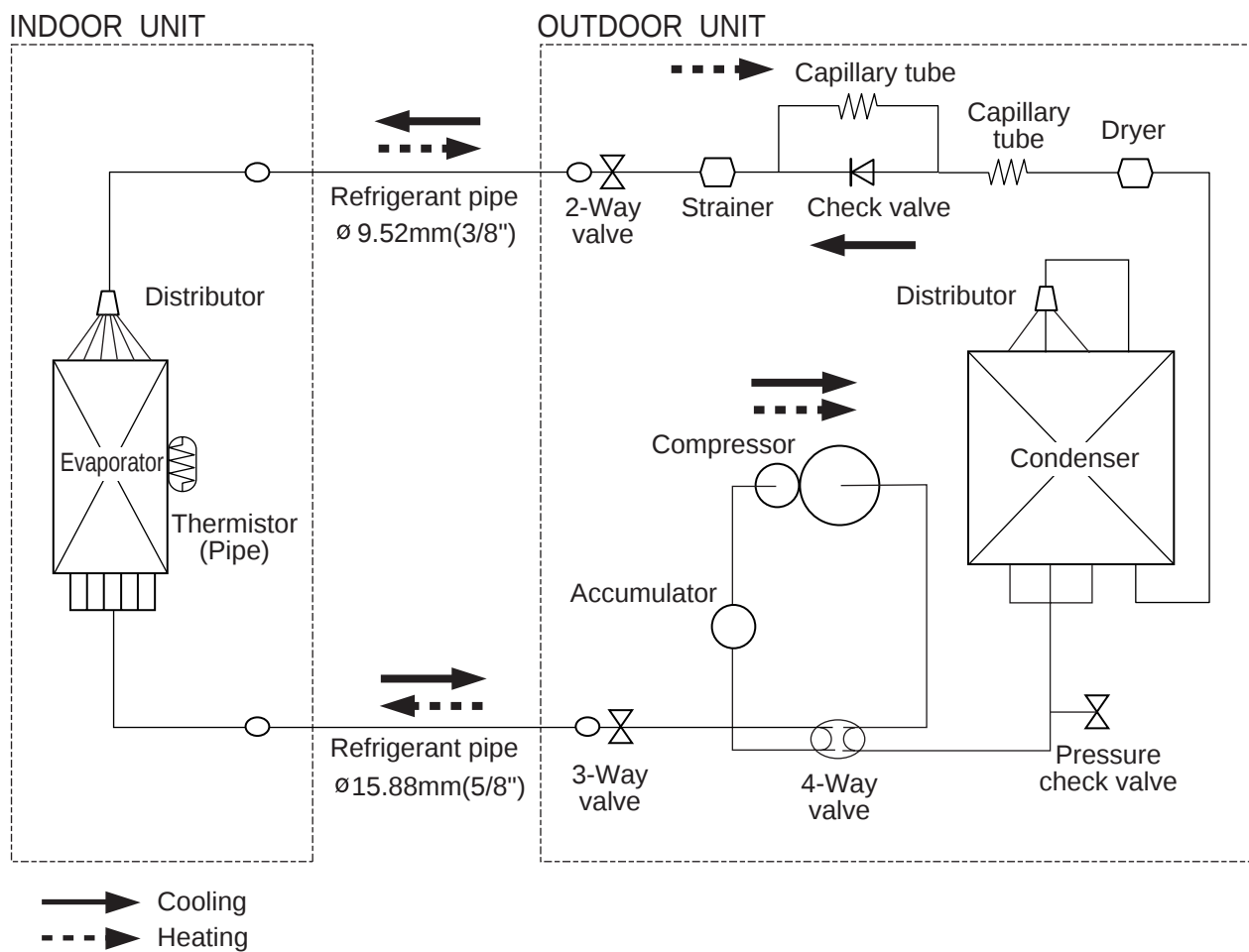
Models : ASY24ABAJ / AOY24ANAK



Models : ASY24RBAJ / AOY24RNAKH



Models : ASY30RBAJ / AOY30RMADH



E R R O R C O N T E N T S

The OPERATION, TIMER and SWING lamps operate as follows according to the error contents.

○ : Fast flashing ● : Slow flashing – : Off

Error contents	Error display		
	OPERATION (RED)	TIMER (YELLOW)	SWING (ORANGE)
Indoor unit circuit board error	○	○	–
Indoor unit room temperature sensor wire opened	2 times ●	○	–
Indoor unit room temperature sensor wire short circuited	2 times ●	○	○
Indoor unit piping sensor wire opened	3 times ●	○	–
Indoor unit piping sensor wire short circuited	3 times ●	○	○
Indoor unit fan error	6 times ●	○	–

Thermistor resistance values <Indoor unit side>

1) Room temperature thermistor (TH_{IA})

Room temperature (°C)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30
Resistance value (k Ω)	33.6	29.5	25.9	22.8	20.2	17.9	15.8	14.1	12.5	11.2	10.0	9.0	8.0

Room temperature (°C)	32.5	35	37.5	40	42.5	45	47.5	50
Resistance value (k Ω)	7.2	6.5	5.9	5.3	4.8	4.3	3.9	3.6

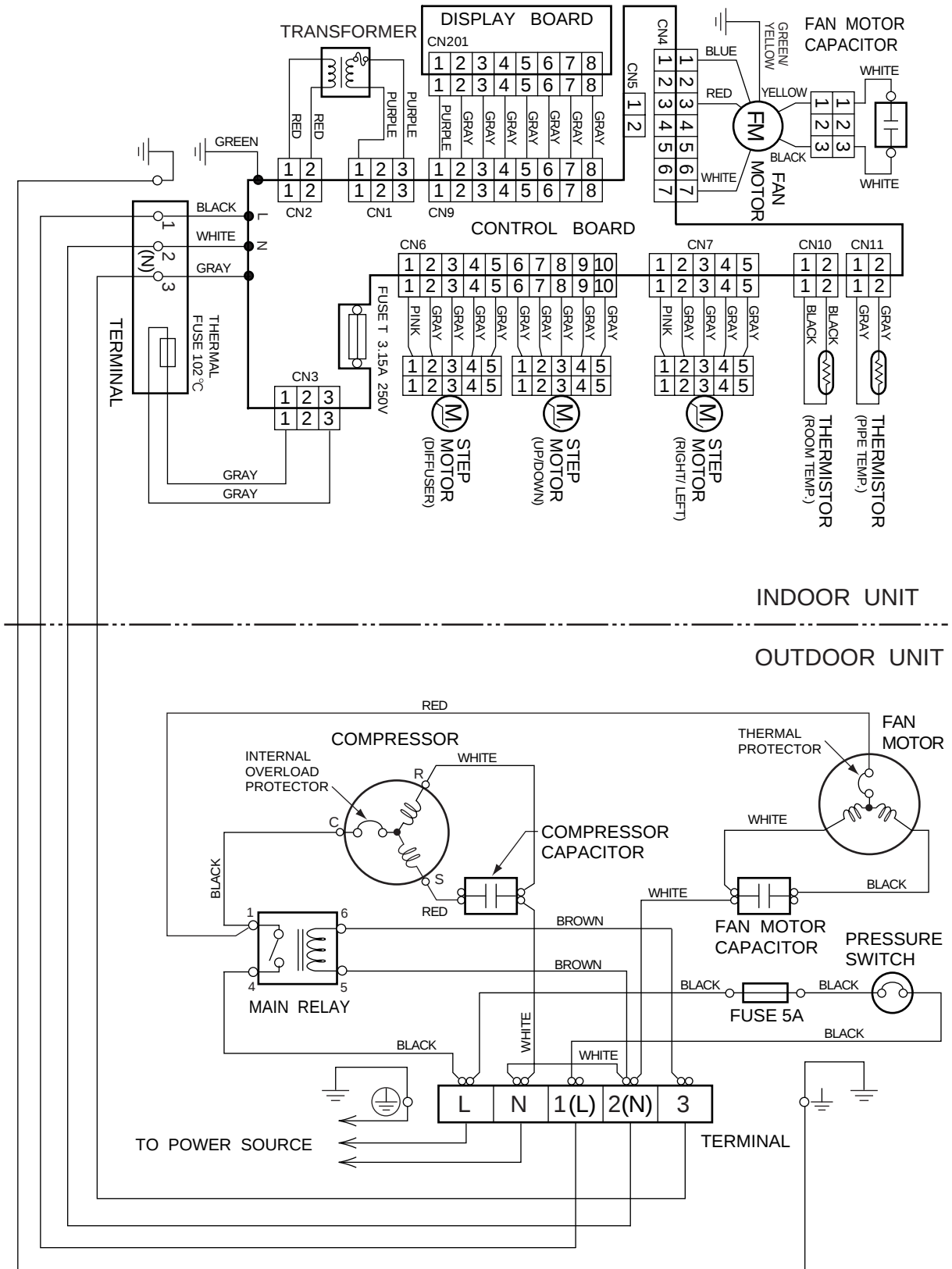
2) Indoor heat exchanger temperature thermistor (TH_{HM}, TH_{HI})

Heat exchanger temperature (°C)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30
Resistance value (k Ω)	176.0	153.5	134.2	117.6	103.3	91.0	80.3	71.0	62.9	55.9	49.7	44.3	39.6

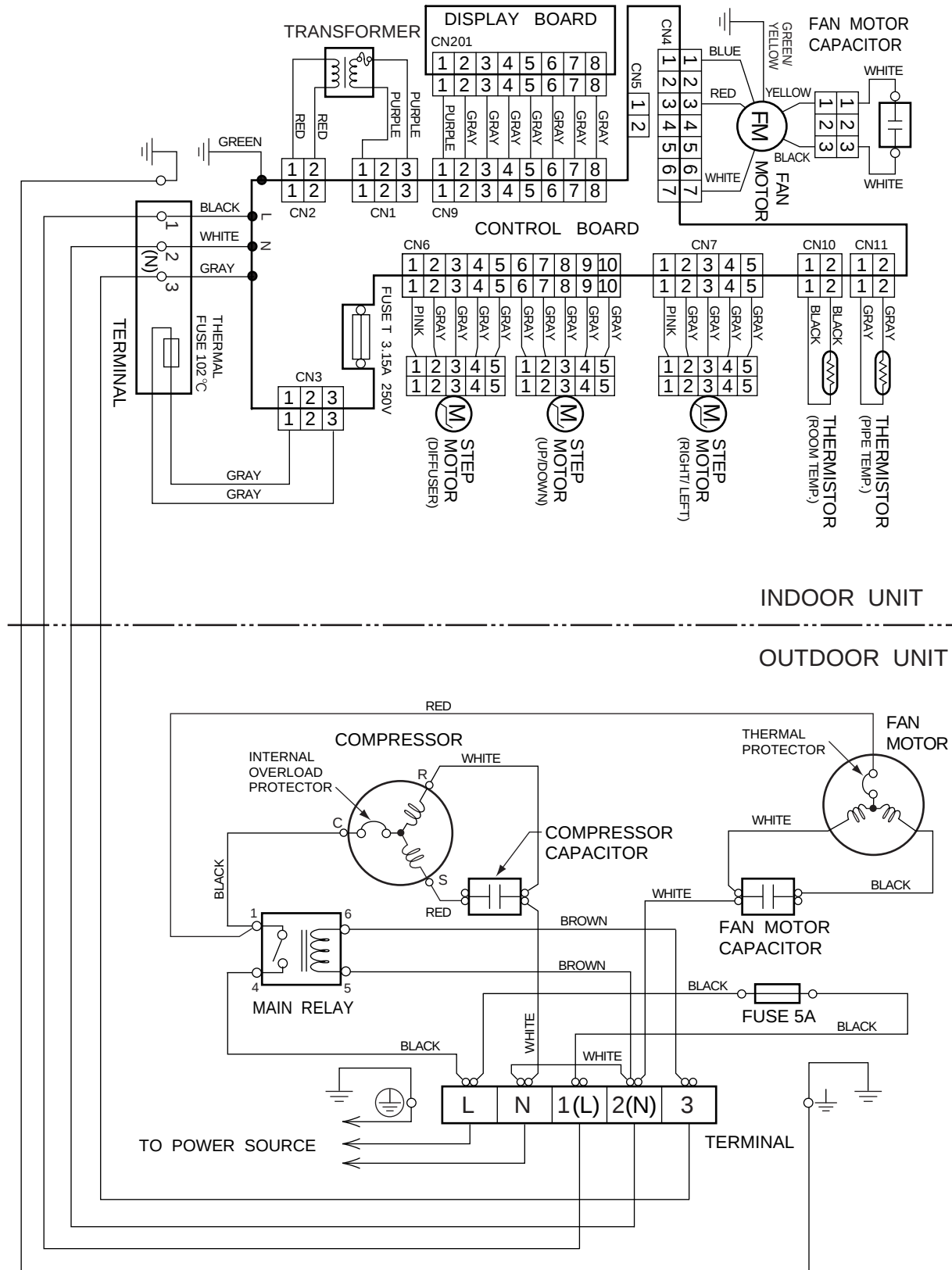
Heat exchanger temperature (°C)	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55	57.5	60
Resistance value (k Ω)	35.4	31.7	28.5	25.6	23.1	20.8	18.8	17.1	15.5	14.1	12.8	11.6

CIRCUIT DIAGRAM

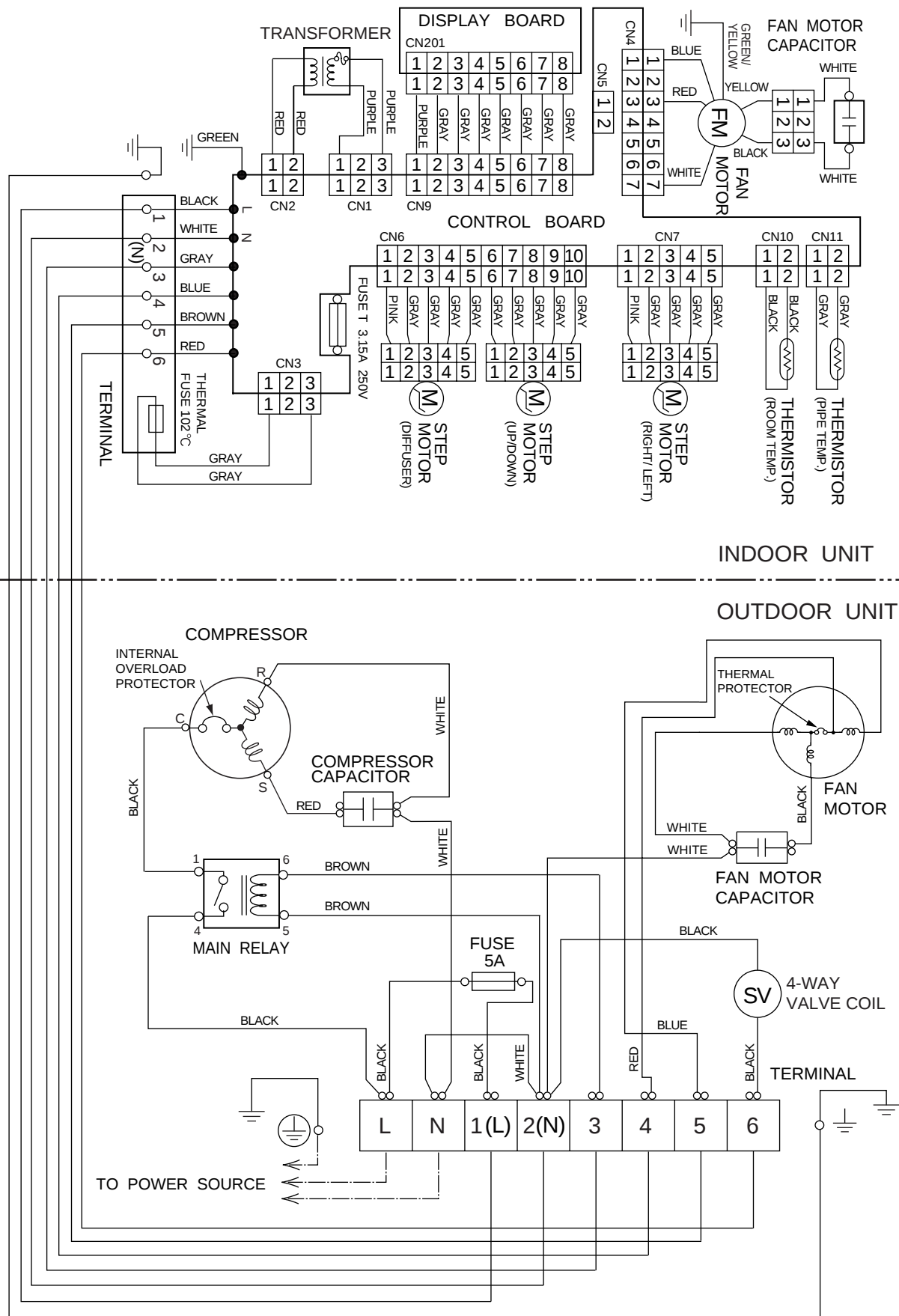
Models : ASY18ABAJ / AOY18ANAKH
ASY24ABAJ / AOY24ANAKH



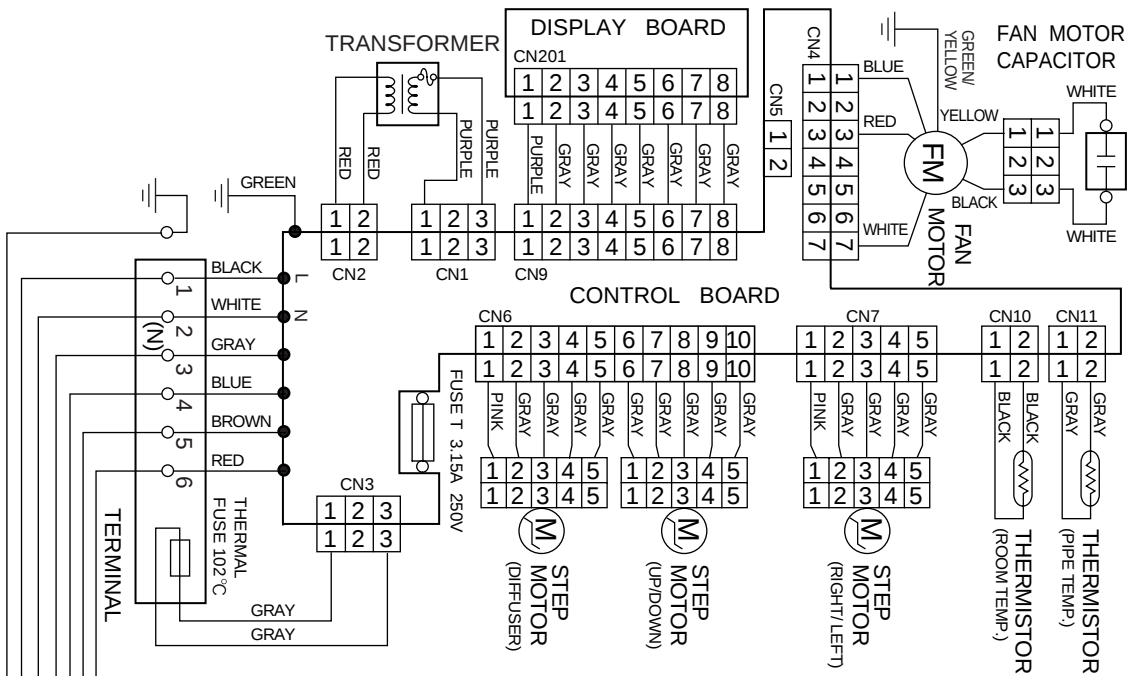
Models : ASY18ABAJ / AOY18ANAK
ASY24ABAJ / AOY24ANAK



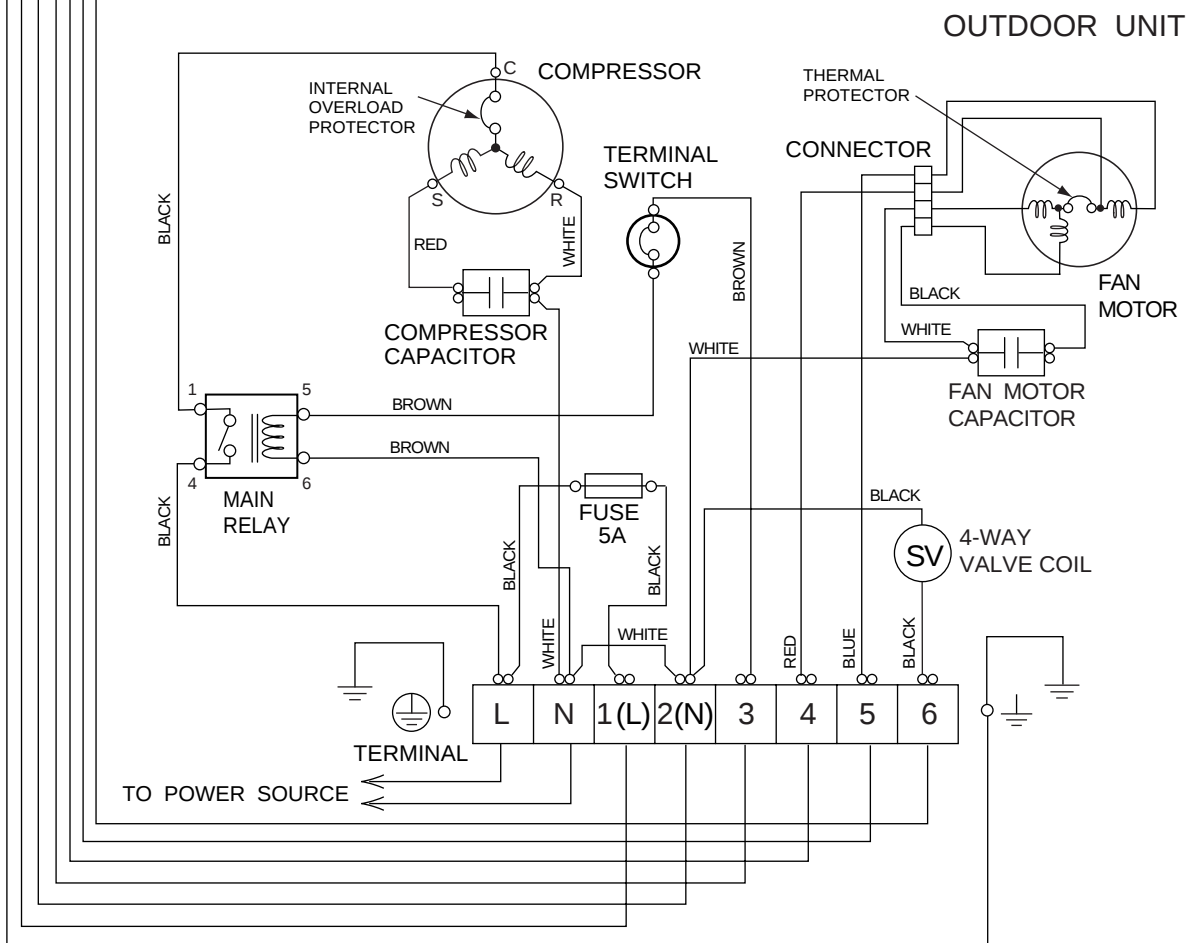
Models : ASY18RBAJ / AOY18RNAKH
ASY24RBAJ / AOY24RNAKH



Model : ASY30RBAJ / AOY30RMADH



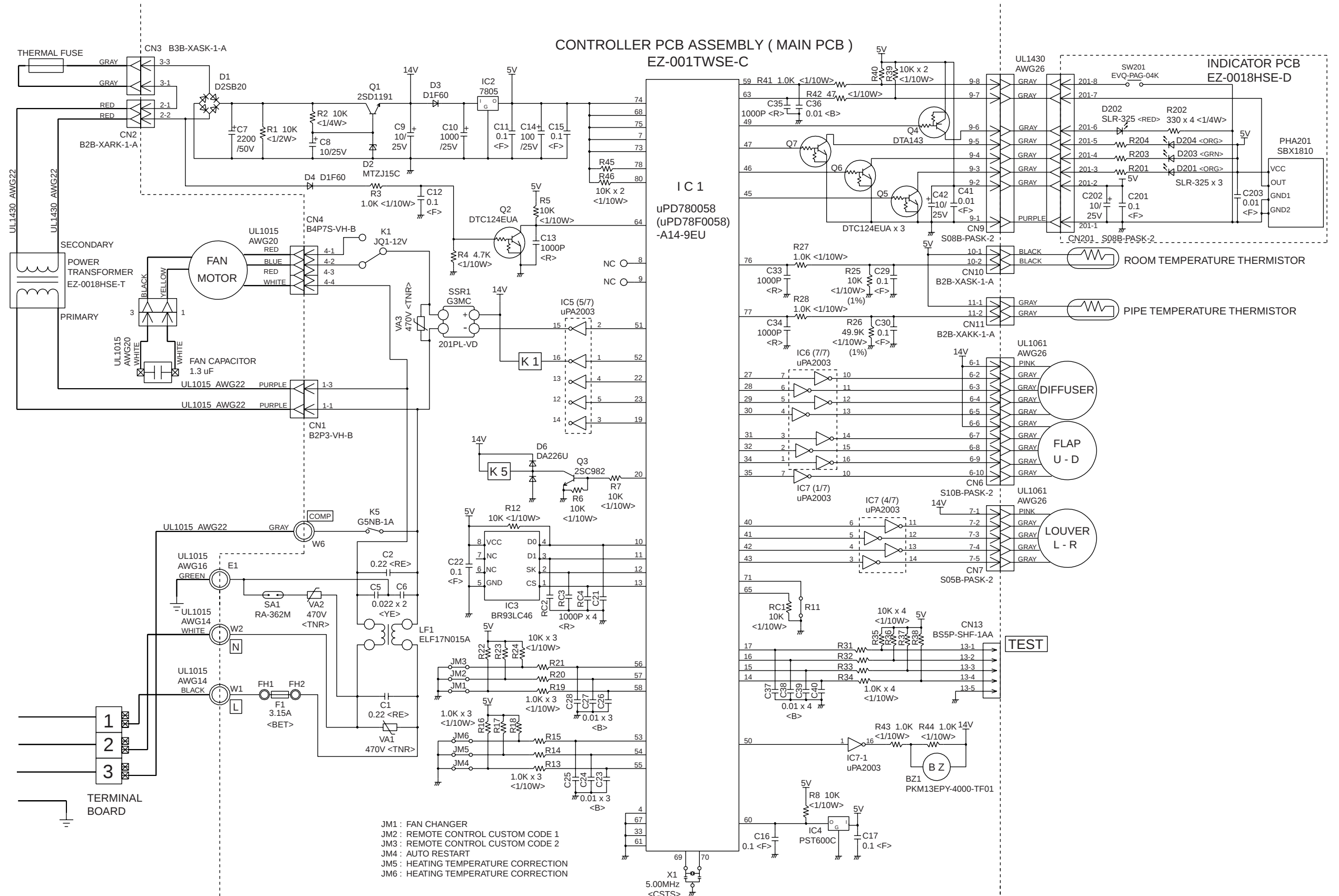
INDOOR UNIT



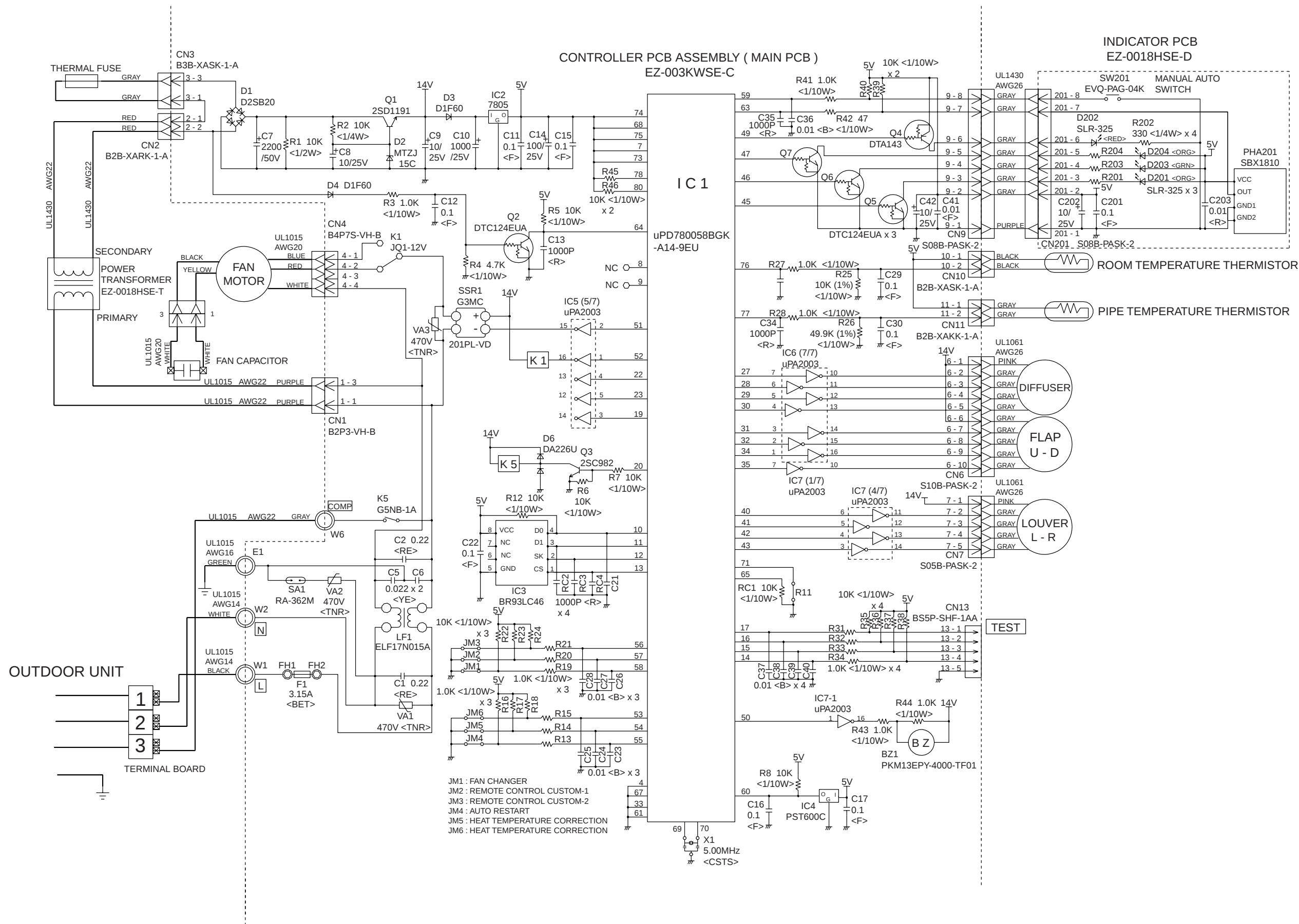
OUTDOOR UNIT

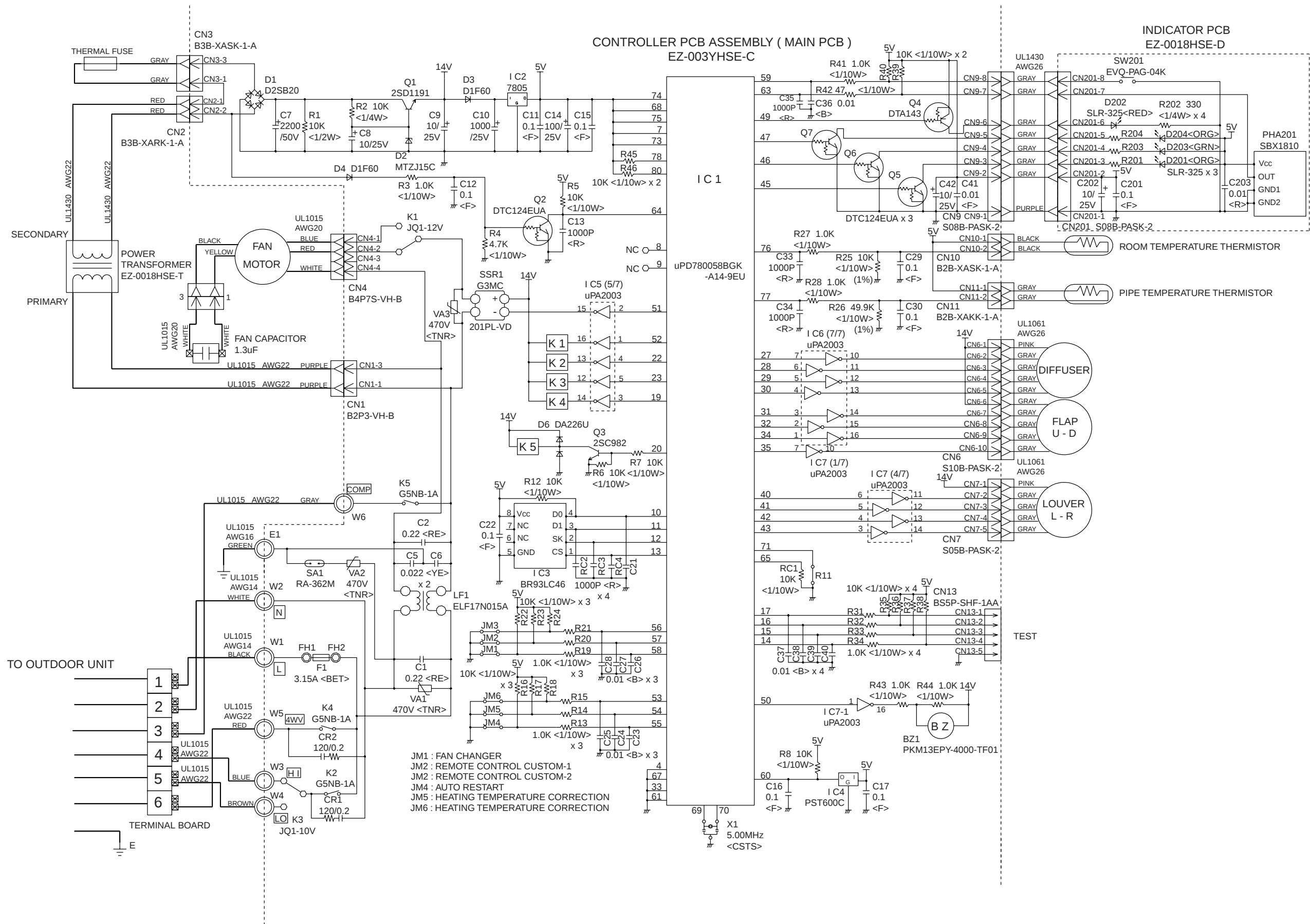
INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

Model : ASY18ABAJ

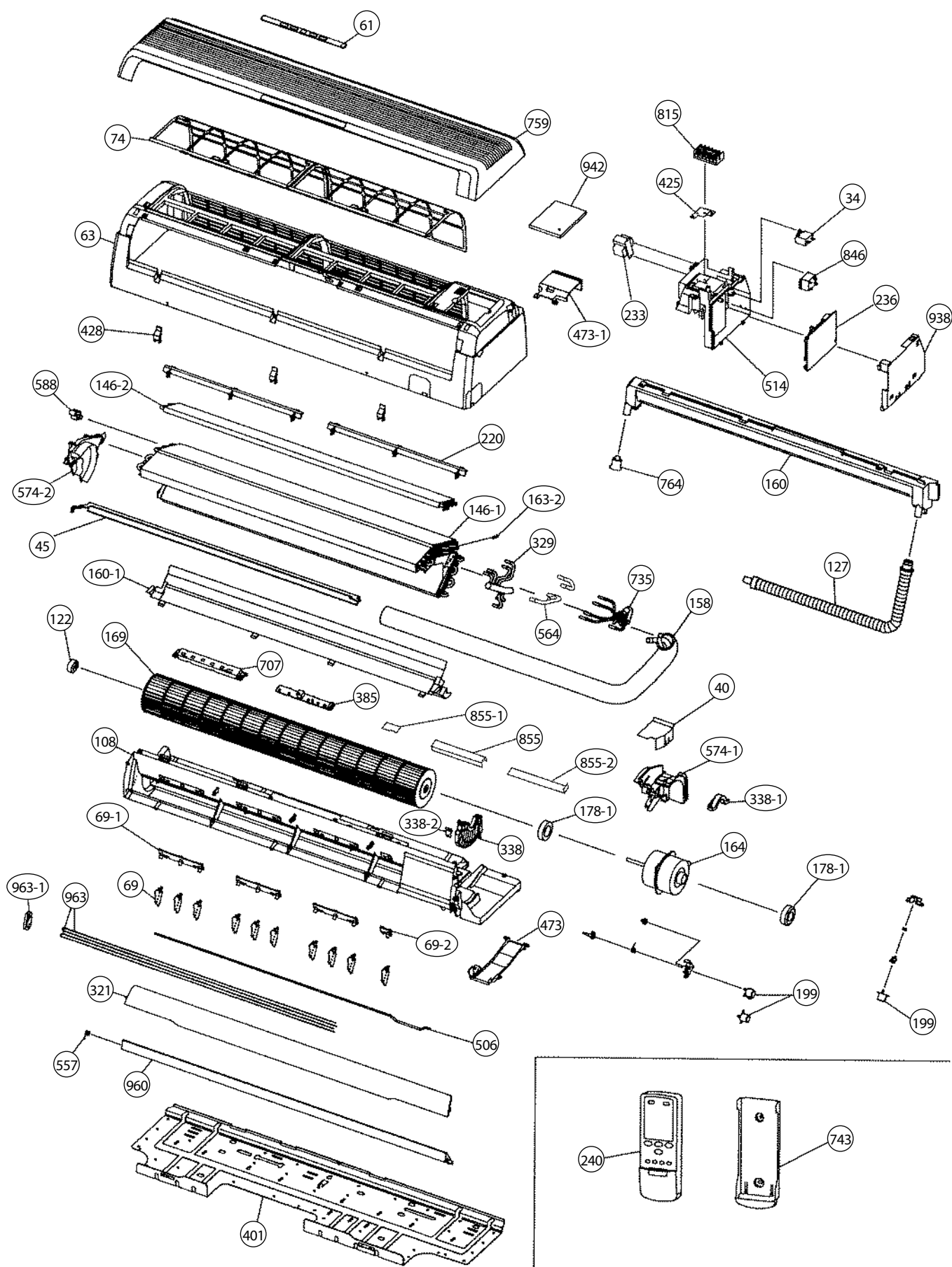


Model : ASY24ABAJ

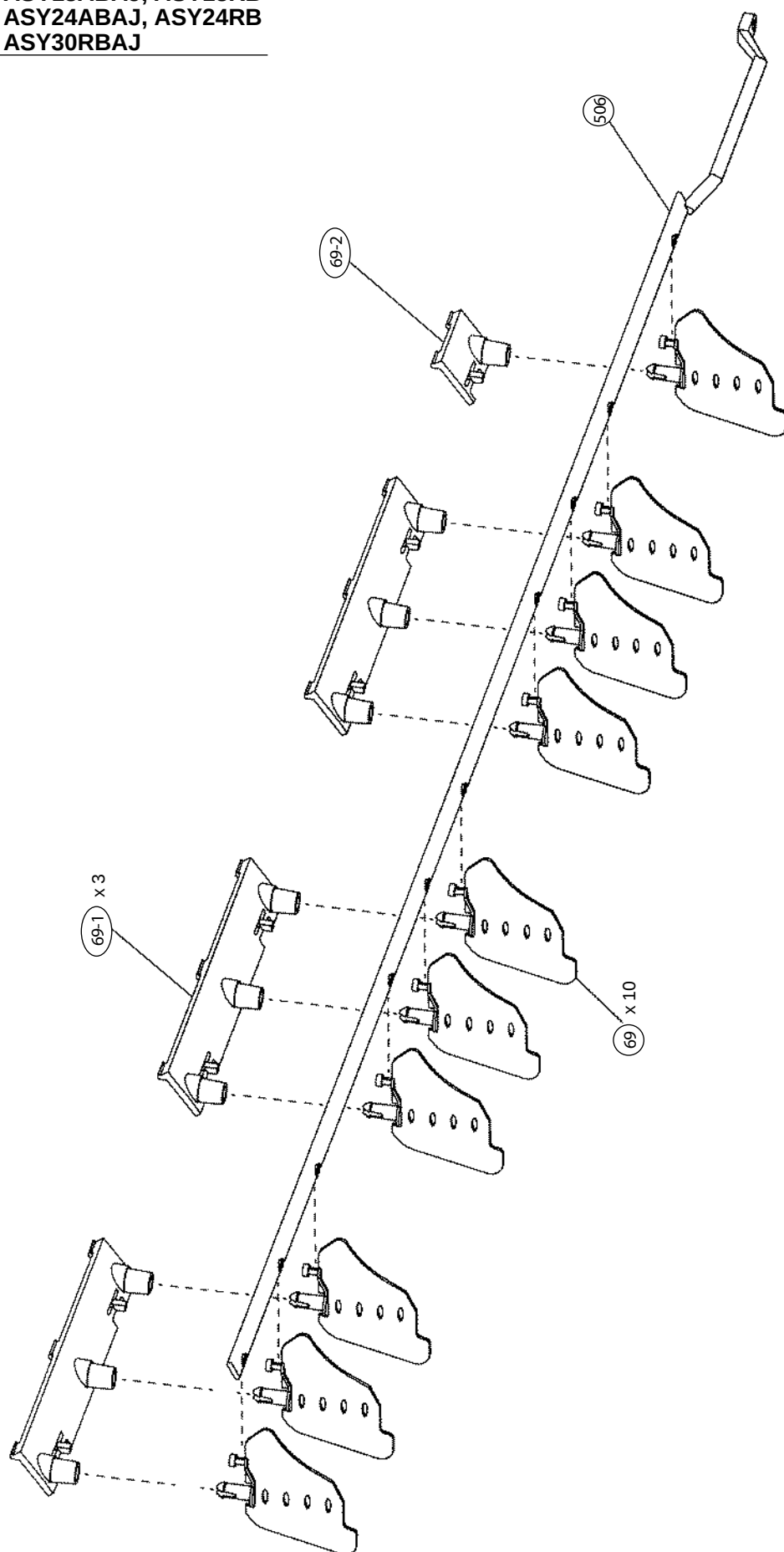




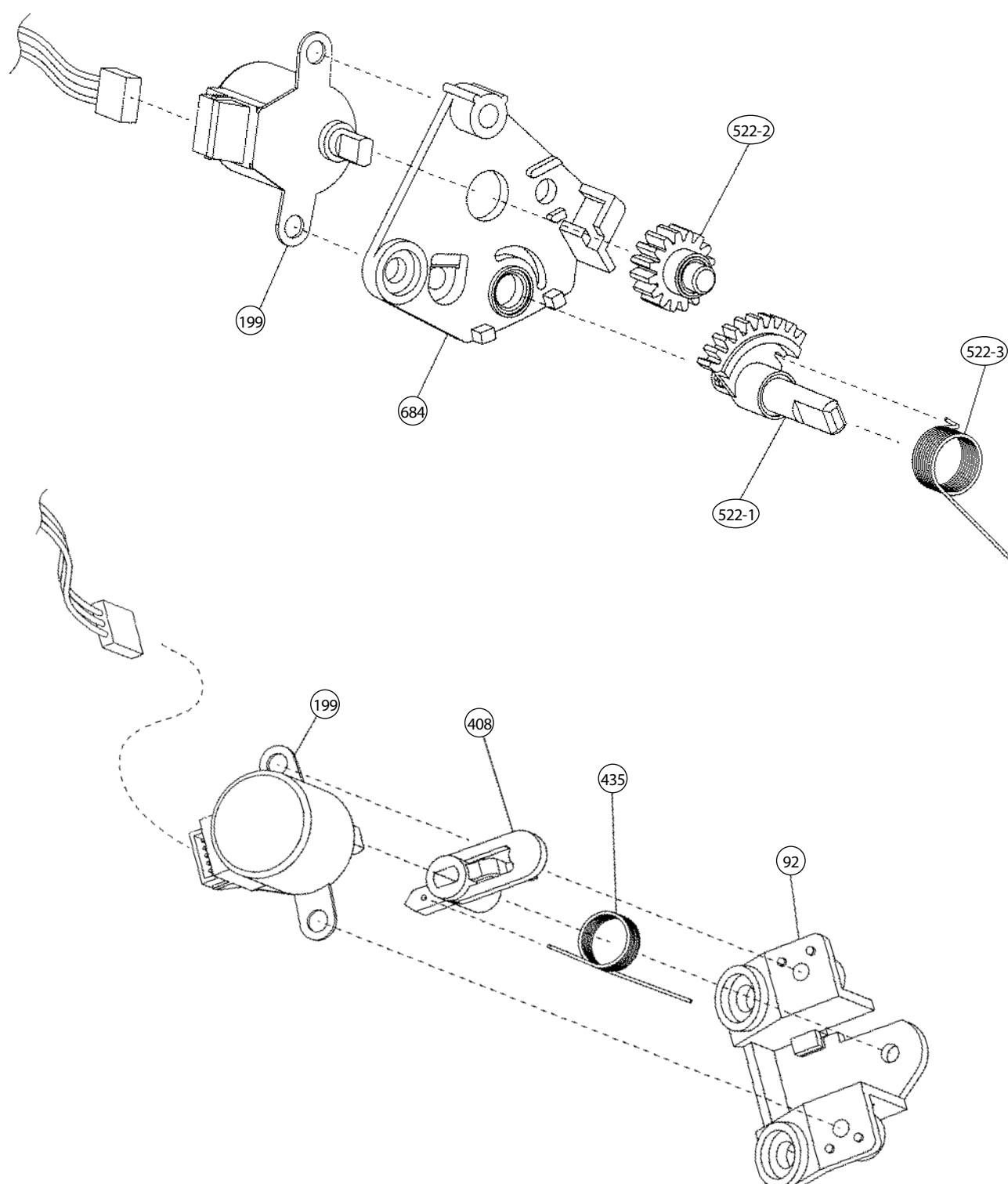
Model : ASY30RBAJ



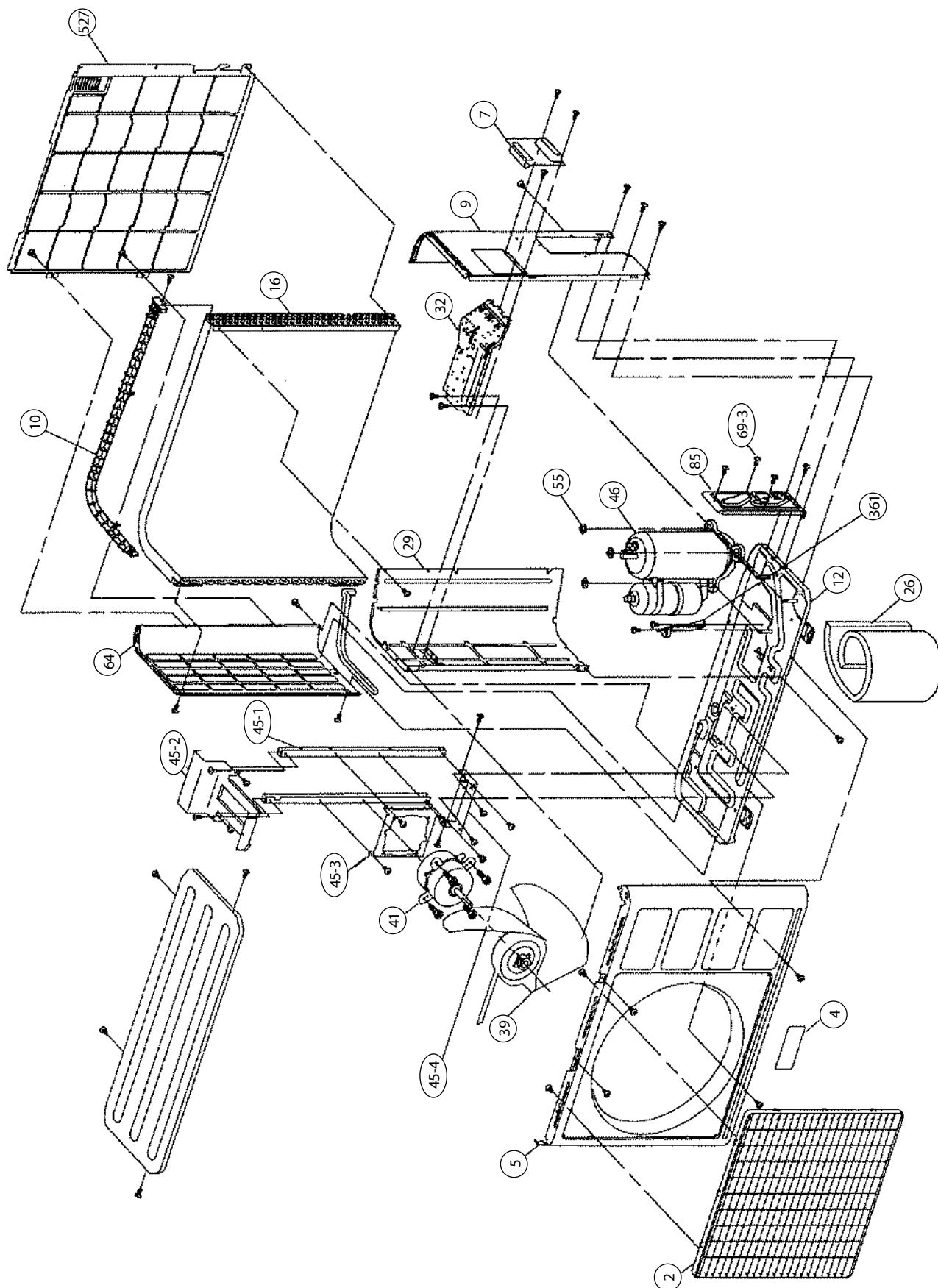
Models : ASY18ABAJ, ASY18RB
ASY24ABAJ, ASY24RB
ASY30RBAJ



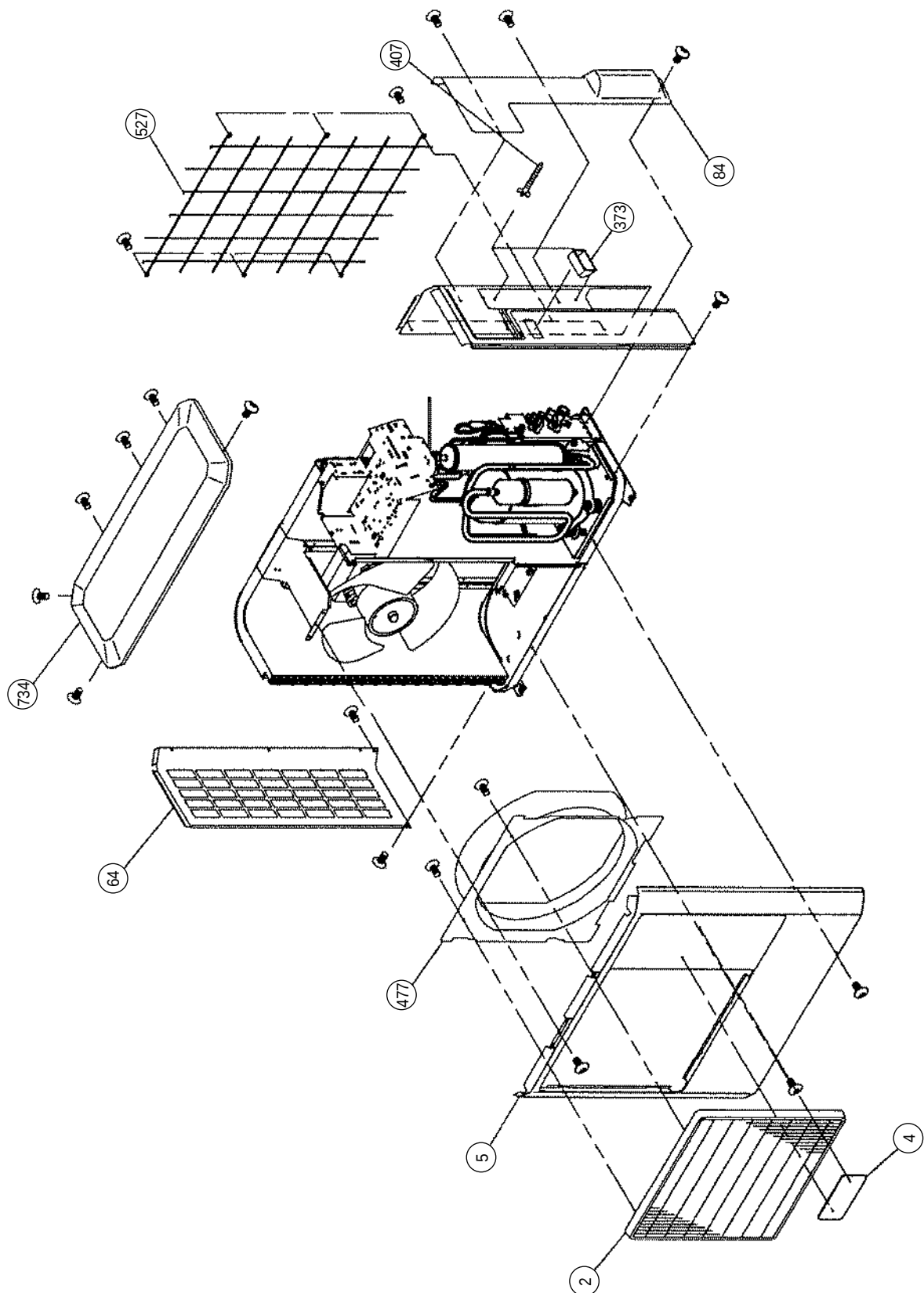
Models : ASY18ABAJ, ASY18RBAJ
ASY24ABAJ, ASY24RBAJ
ASY30RBAJ

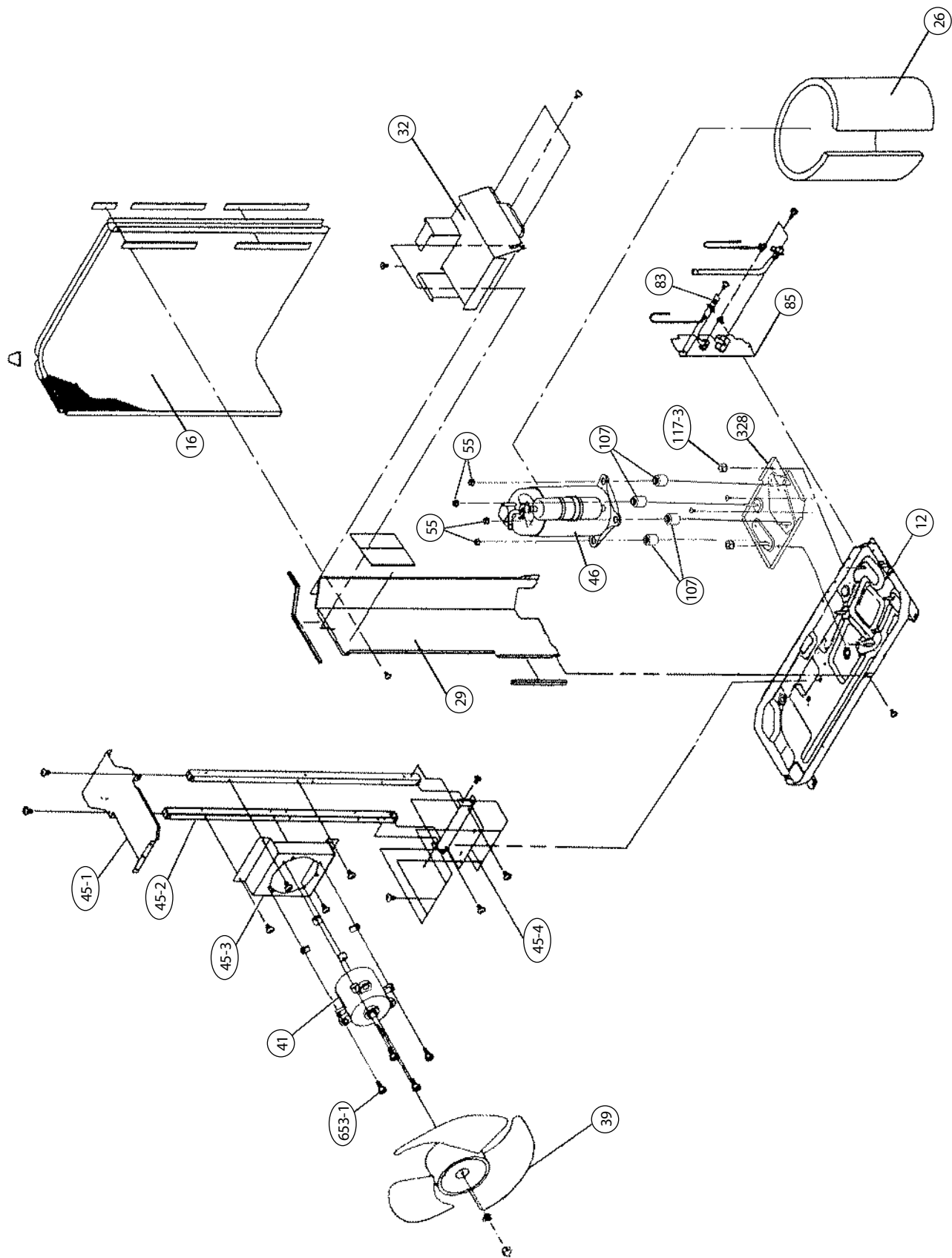


Models : AOY18ANAKH, AOY18ANAKH
AOY18RNAKH, AOY24ANAK
AOY24ANAKH, AOY24RNAKH

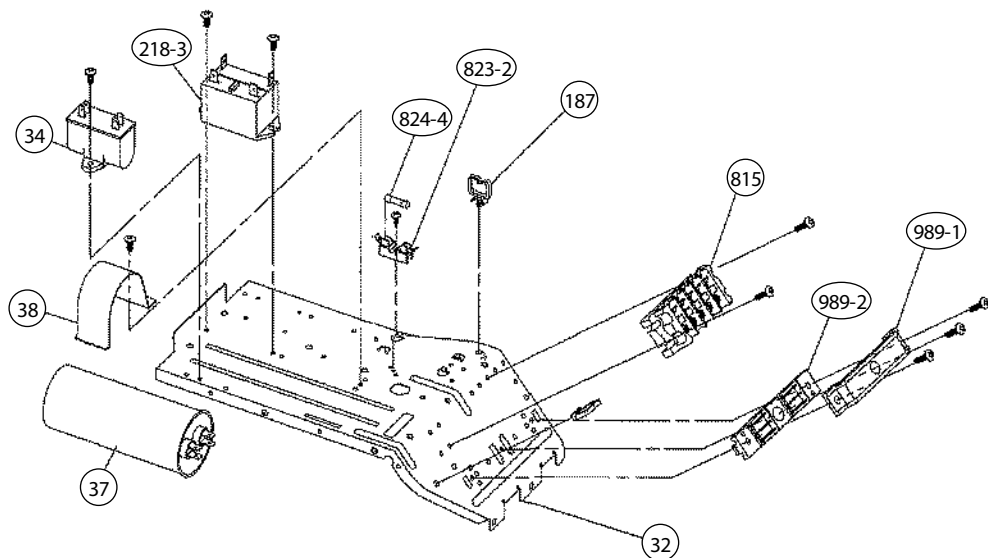


Model : AOY30RMADH

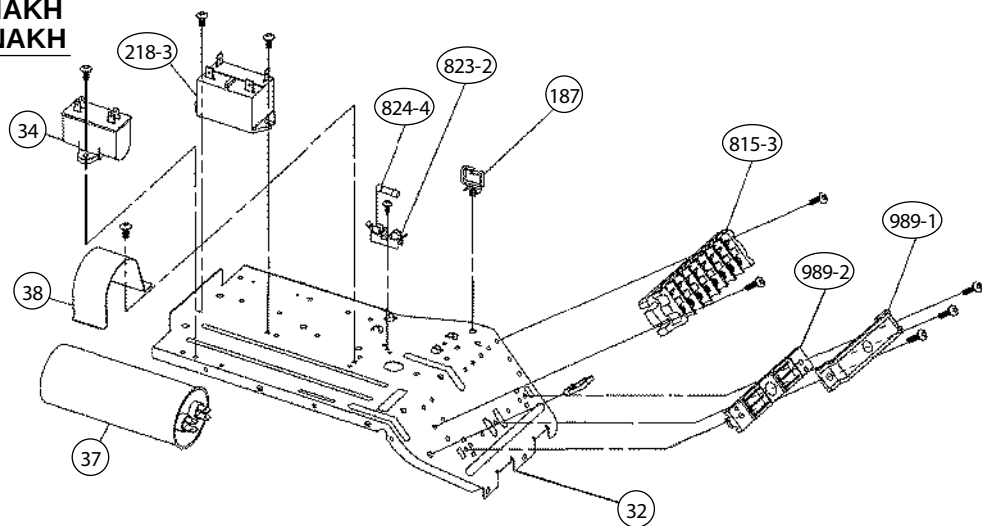




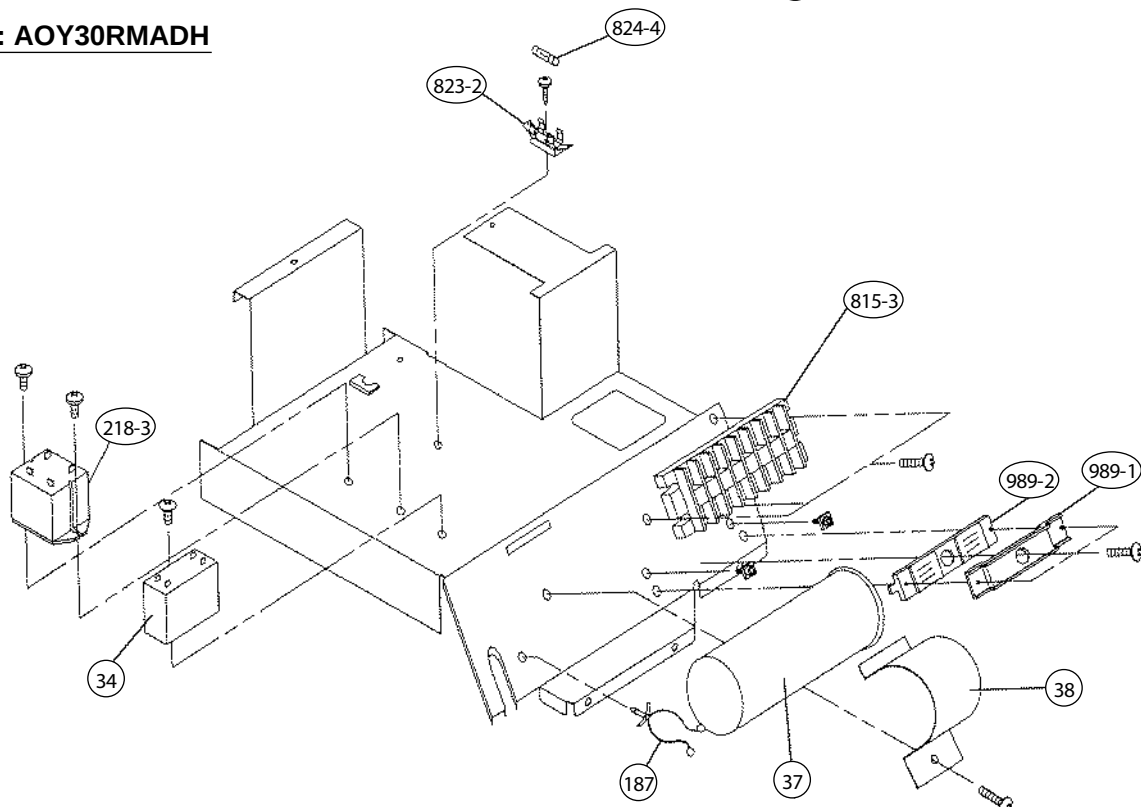
**Models : AOY18ANAK, AOY18ANAKH
AOY24ANAK, AOY24ANAKH**



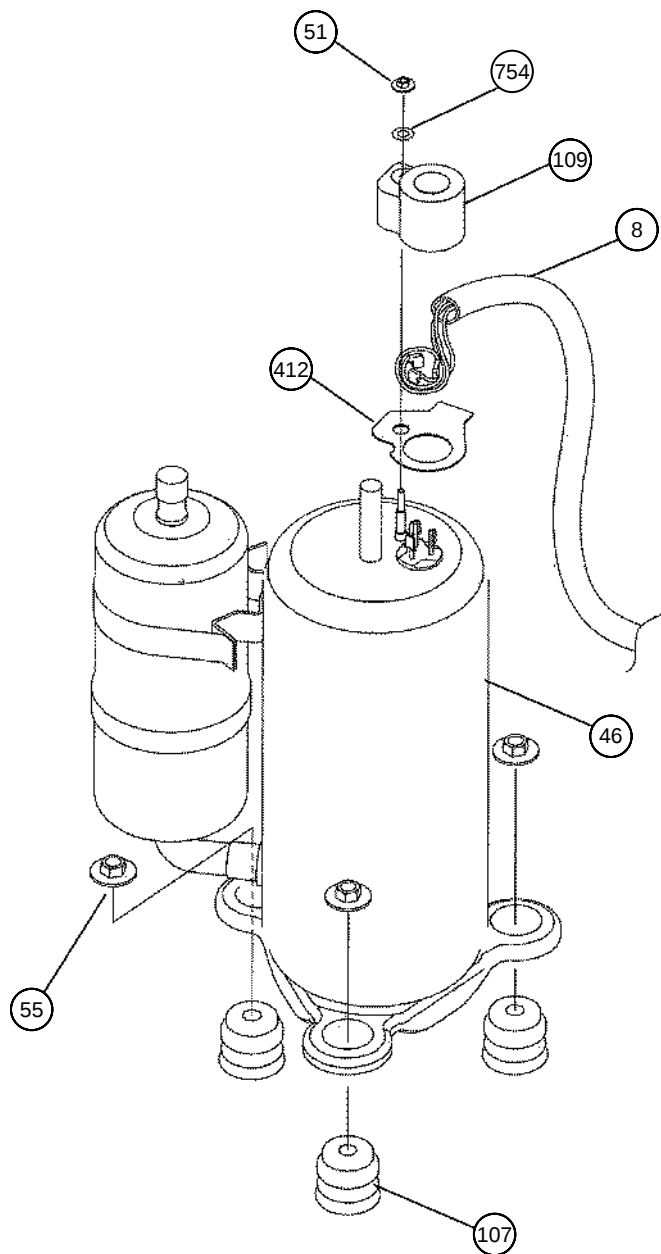
**Models : AOY18RNAKH
AOY24RNAKH**



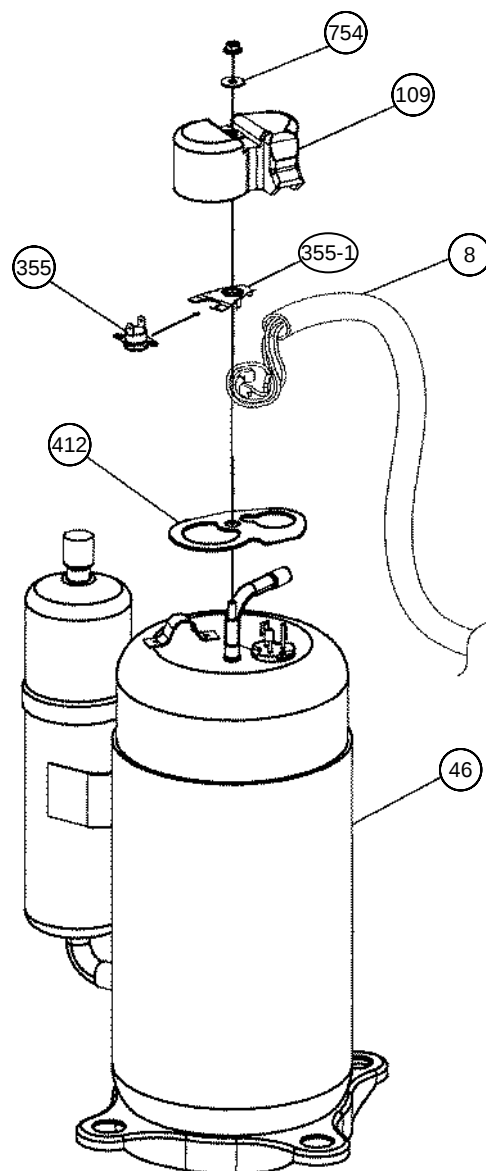
Model : AOY30RMADH



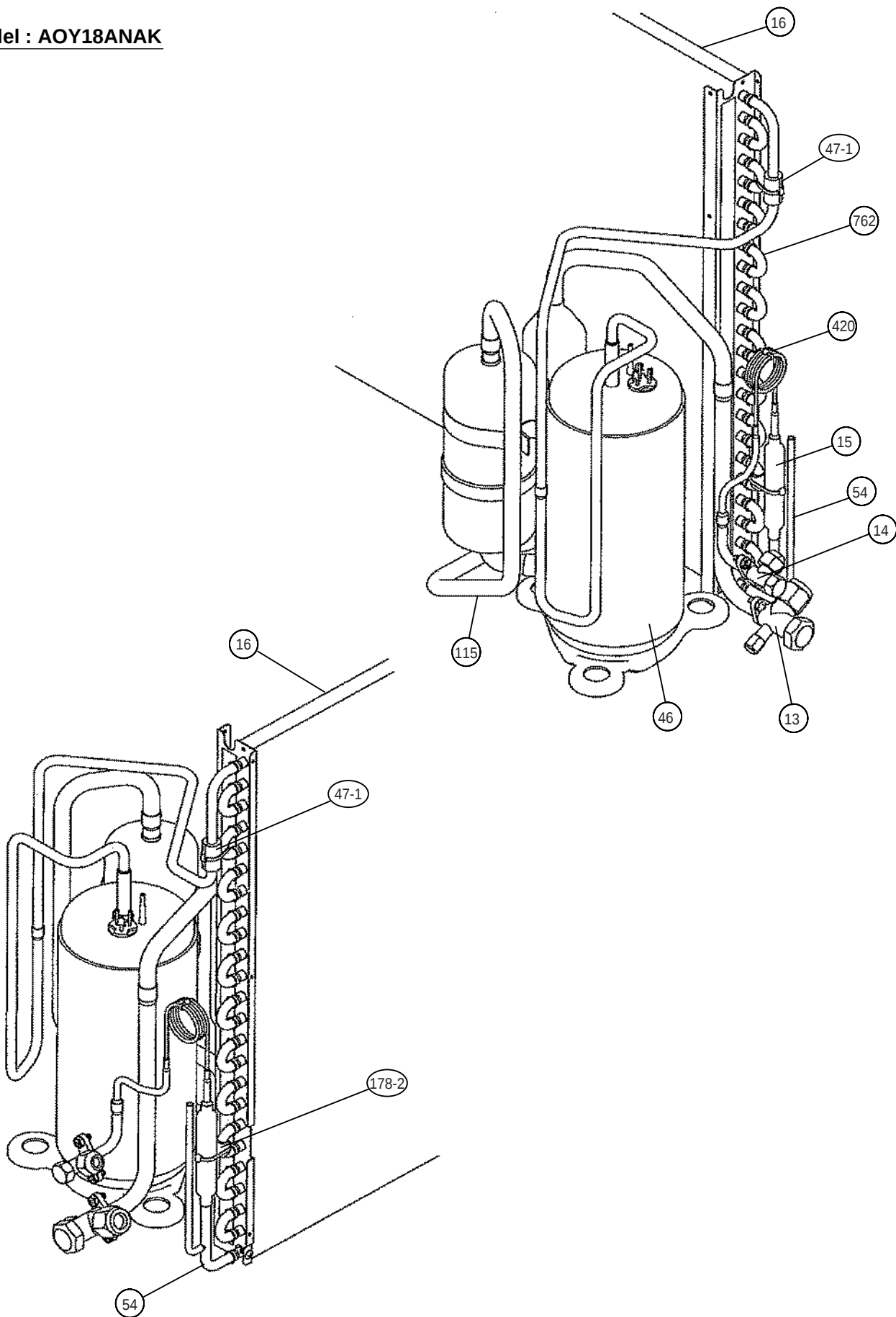
Models : AOY18ANAK, AOY18ANAKH
 AOY18RNAKH, AOY24ANAK
 AOY24ANAKH, AOY24RNAKH



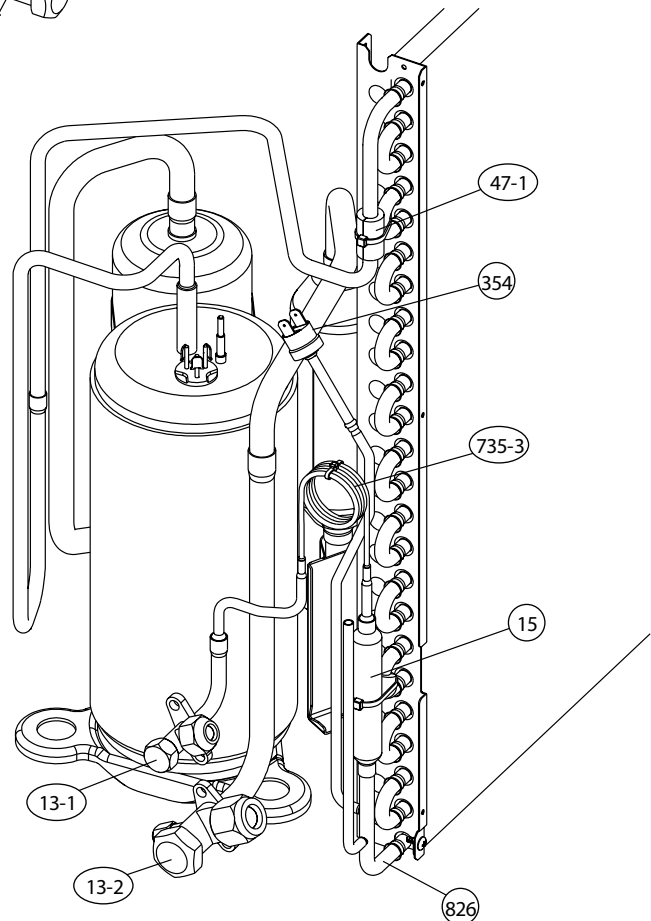
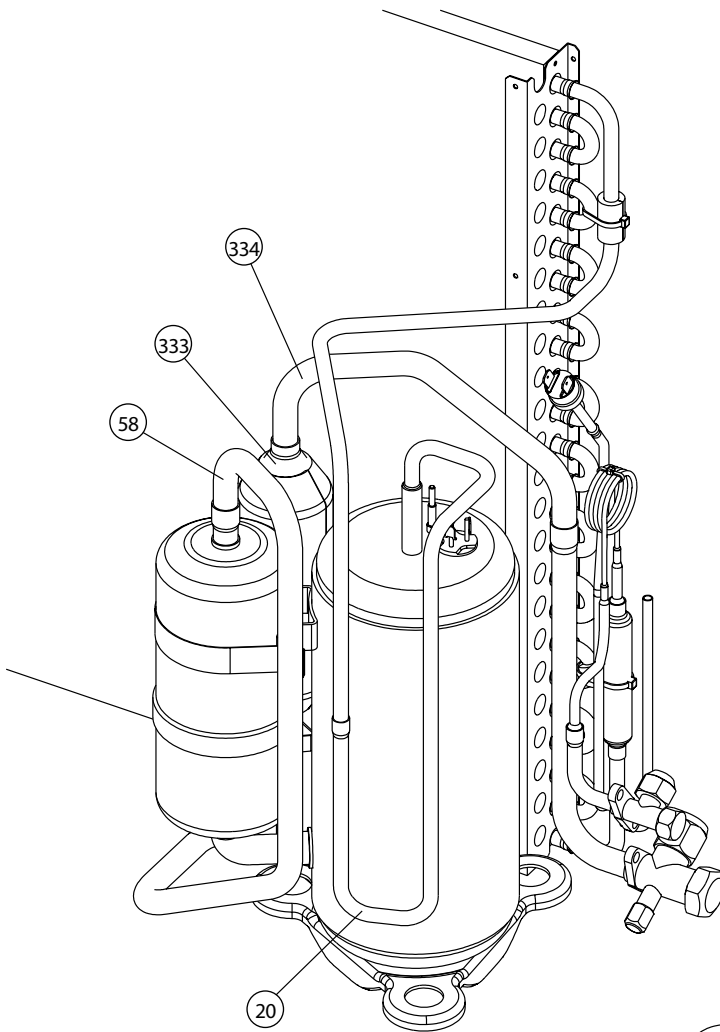
Model : AOY30RMADH

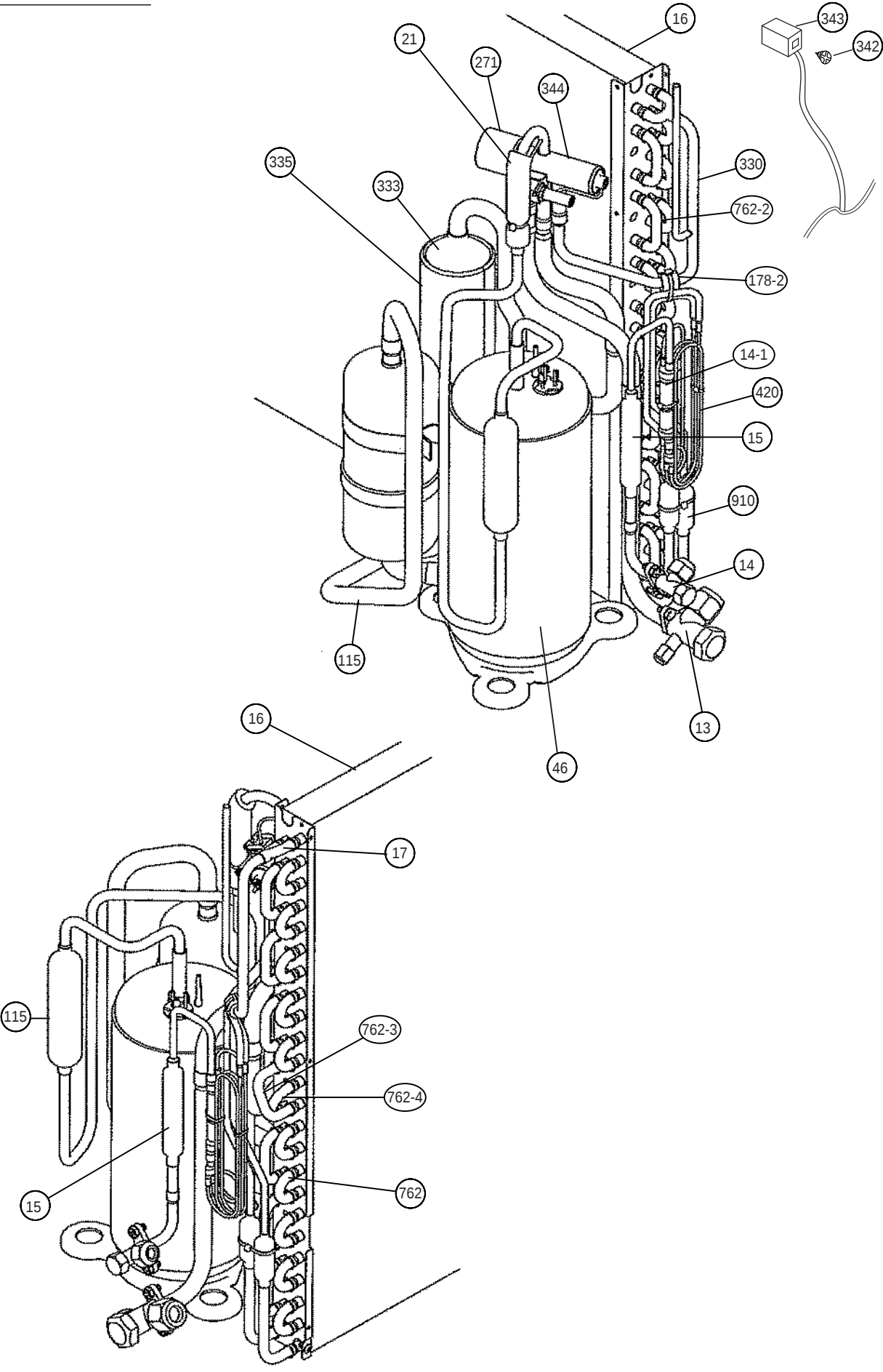


Model : AOY18ANAK

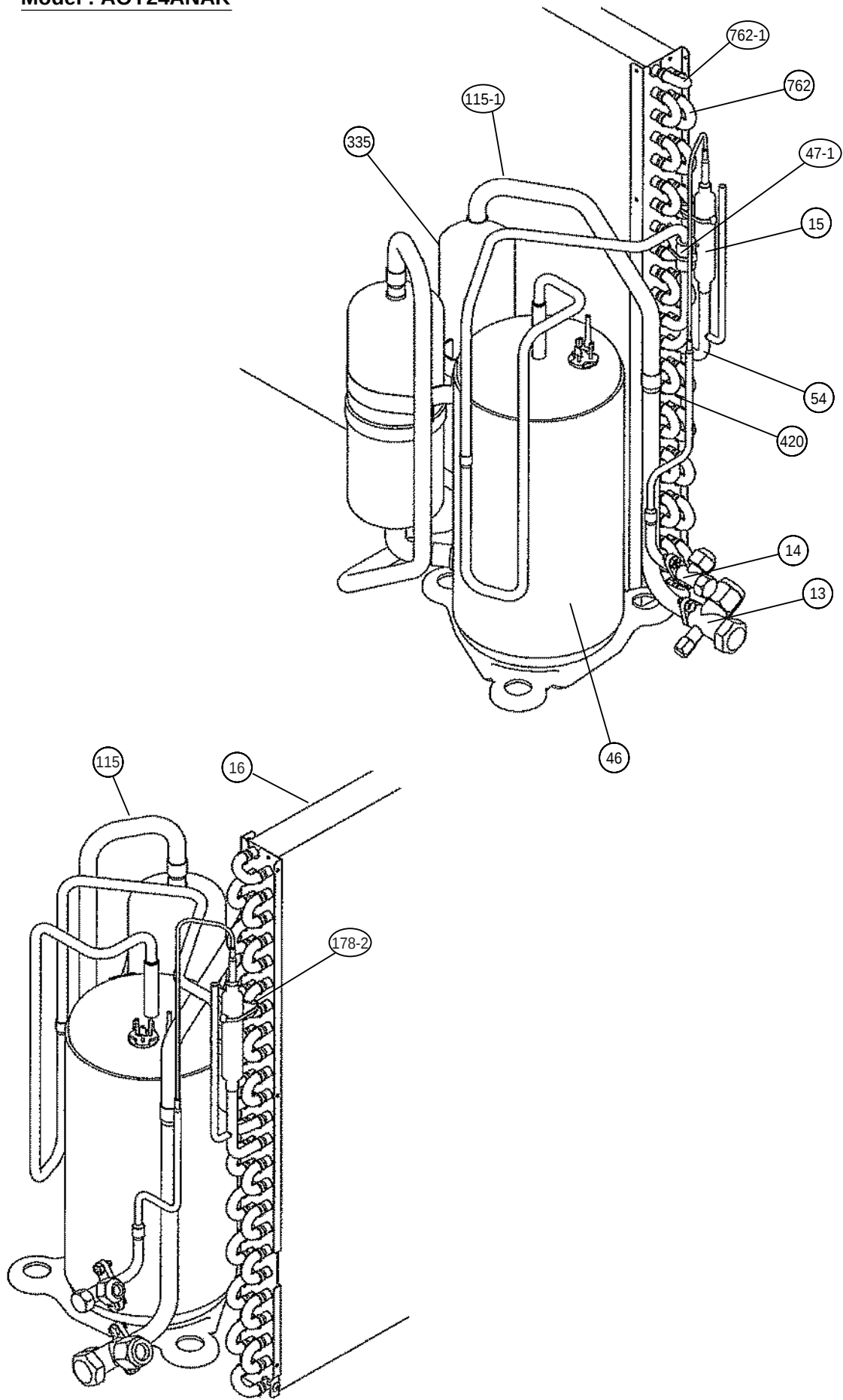


Model : AOY18ANAKH

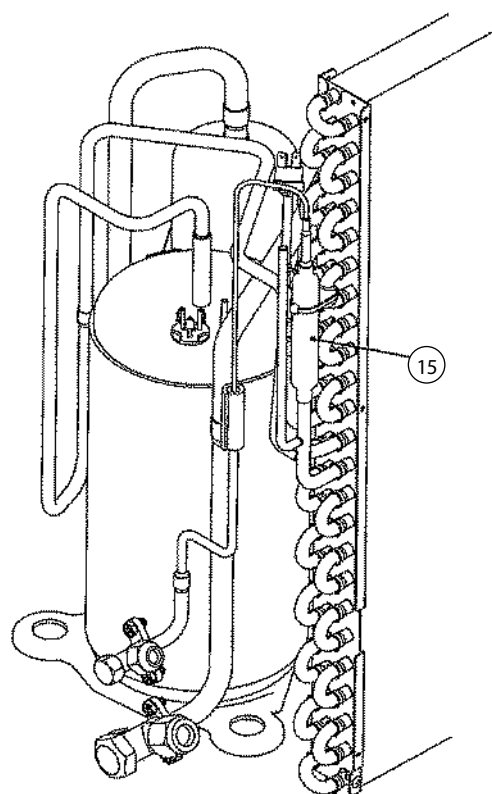
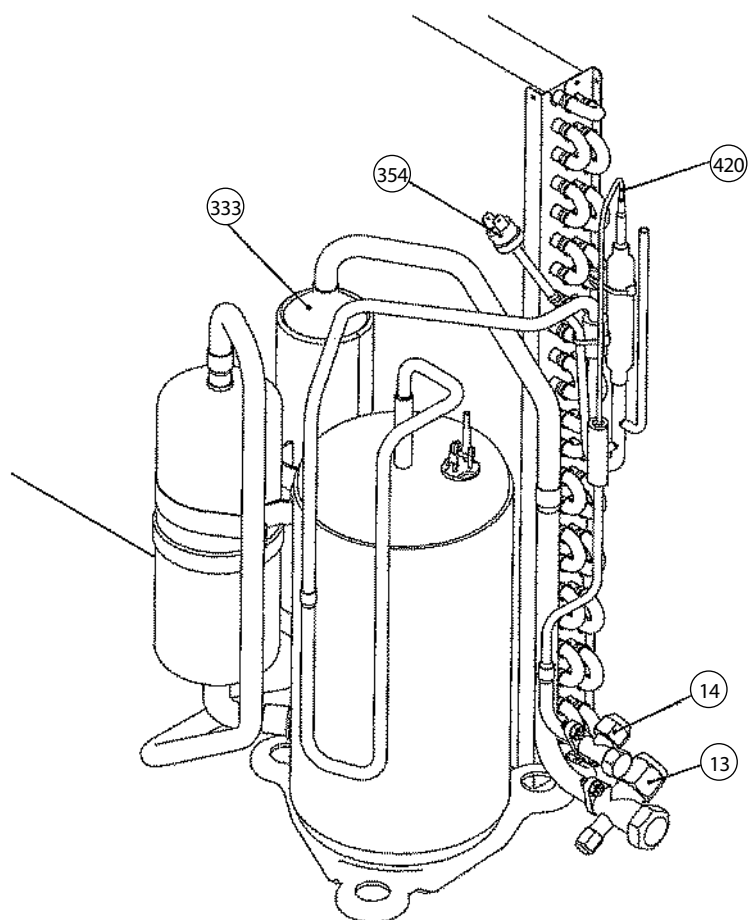




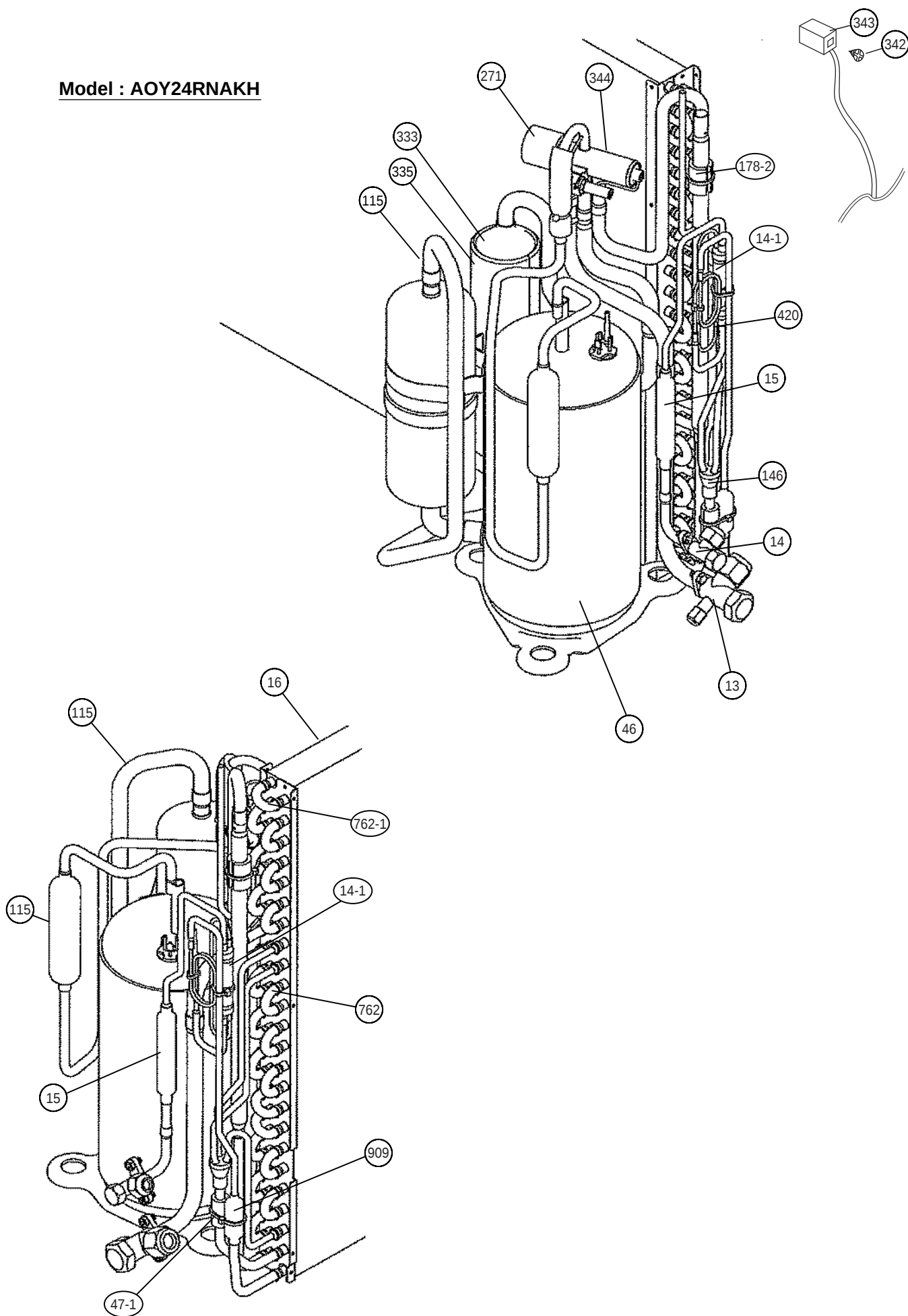
Model : AOY24ANAK



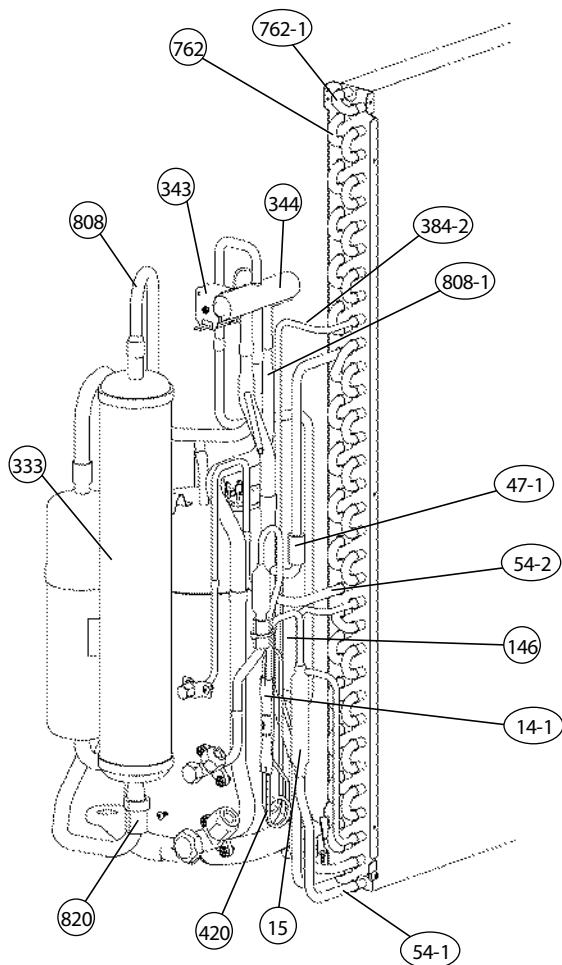
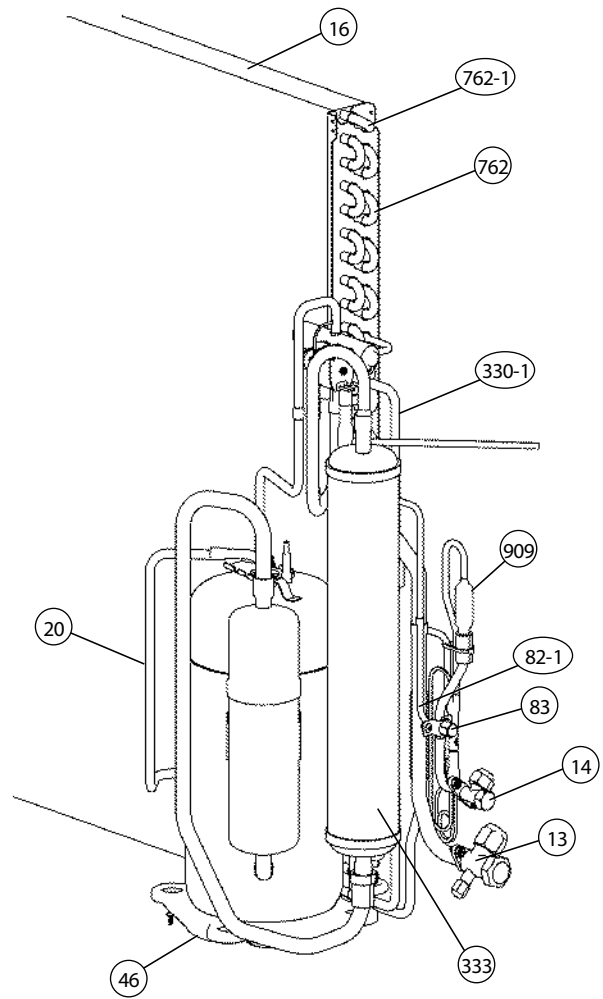
Model : AOY24ANAKH



Model : AOY24RNAKH

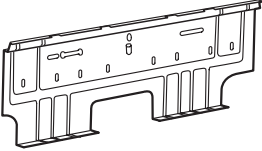
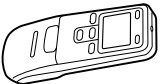
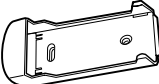


Model : AOY30RMADH

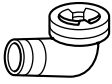


STANDARD ACCESSORIES

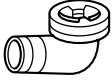
INDOOR UNIT ACCESSORIES

Name and Shape	Part No.
Wall hook bracket 	9368579005
Remote control unit 	18A, 24A, 30A model 9371190020 (AR-JW2) 18R, 24R, 30R model 9371190013 (AR-JW1)
Battery (penlight) 	0600185534
Remote control unit holder 	9305642014
Tapping screw (big) (φ 4 x 20) 	301141164200
Tapping screw (small) (φ 3 x 12) 	301141533125

OUTDOOR UNIT ACCESSORIES (18,000 € 24,000BTU model)

Name and Shape	Part No.
Drain pipe 	9303029015 [Heat & cool model (Reverse cycle) only]
Drain cap 	313166024302 [Heat & cool model (Reverse cycle) only]

OUTDOOR UNIT ACCESSORIES (30,000 BTU model)

Name and Shape	Part No.
Cable clip 	313739340109
Tapping screw 	301463040100
Drain pipe 	9303029015 [Heat & cool model (Reverse cycle) only]
Drain cap 	313166024302 [Heat & cool model (Reverse cycle) only]

