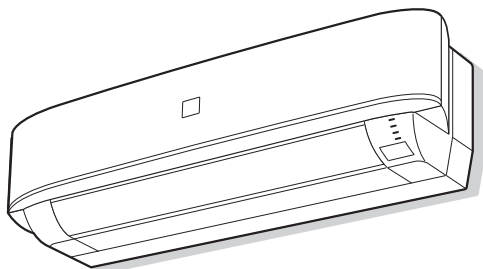


SHARP SERVICE MANUAL

S4215AHAP8NMBT



SPLIT TYPE ROOM AIR CONDITIONER MODELS

INDOOR UNIT
AH-PN19
AH-PN24

OUTDOOR UNIT
AU-PN19
AU-PN24

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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Parts List

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

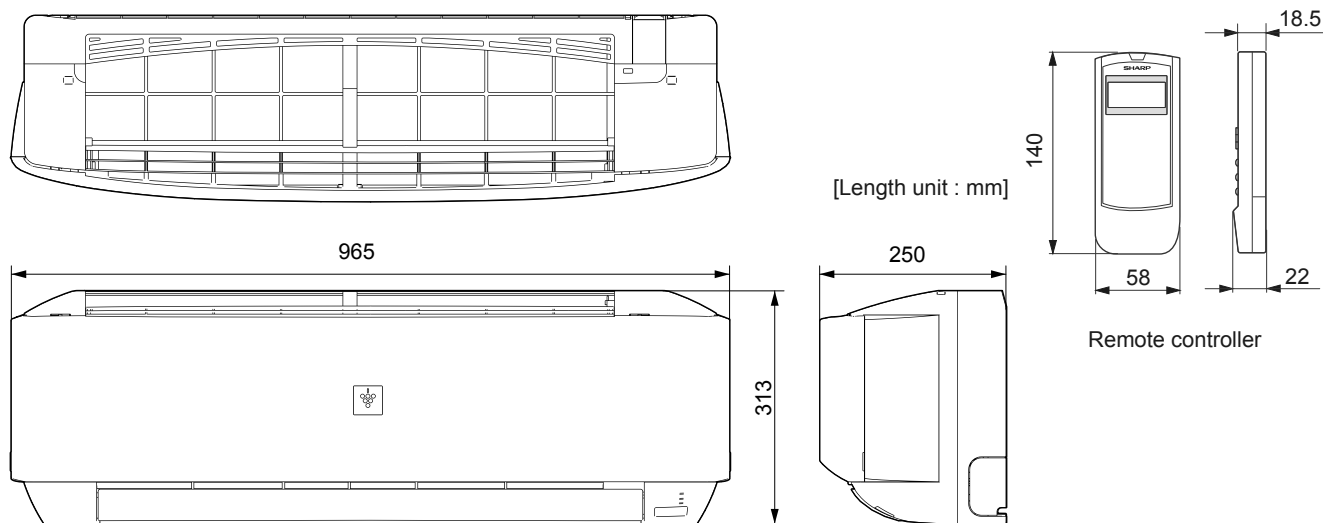
CHAPTER 1. PRODUCT SPECIFICATION

[1] SPECIFICATION

1. AH-PN19/AU-PN19,AH-PN24/AU-PN24

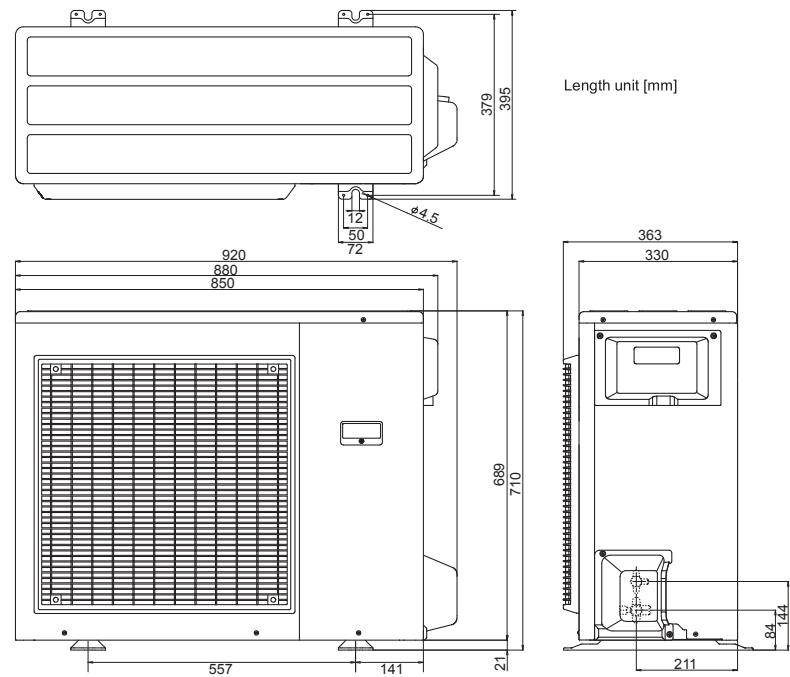
ITEMS		INDOOR UNIT	OUTDOOR UNIT	INDOOR UNIT	OUTDOOR UNIT
		AH-PN19	AU-PN19	AH-PN24	AU-PN24
Cooling capacity ☆		5.30 kW		6.40 kW	
Moisture removal (Liters/h) ☆		1.8		2.4	
Phase		Single		Single	
Rated frequency		50 Hz		50 Hz	
Rated voltage		220 V		220 V	
Rated current ☆		7.1 A		8.7 A	
Rated input ☆		1.56kW		1.87kW	
Power factor ☆		98%		98%	
Compres- sor	Type	Hermetically sealed rotary type		Hermetically sealed rotary type	
	Model	QJS295PAA		QV362PAA	
	Oil charge	420cc (4GSI or equivalent)		600cc (4GSI or equivalent)	
Refrigerant system	Evaporator	Louver Fin and Grooved tube type		Louver Fin and Grooved tube type	
	Condenser	Aluminum fin and Aluminum tube type		Auminum fin and Aluminum tube type	
	Control	Capillary tube		Capillary tube	
	Refrigerant volume	R22 810g		R22 1200g	
	De-Ice system	N/A		N/A	
Noise level	High	46 dB(A)	54 dB(A)	46 dB(A)	54 dB(A)
	Low	39 dB(A)		40 dB(A)	
	Soft	35 dB(A)		38 dB(A)	
Drive		Direct drive		Direct drive	
Air flow quantity	Turbo(m³/min.)	16.4		19.3	
	High (m³/min.)	16.0		16.0	
	Low (m³/min.)	13.5		14.4	
	Soft (m³/min.)	10.2		11.8	
Fan		Cross flow fan	Propeller fan	Cross flow fan	Propeller fan
Refrigerant coupling		Flare type		Flare type	
Refrigerant tube size	Gas(m³/min.)	5/8" (∅15.9 mm)		5/8" (∅15.9 mm)	
	Liquid (m³/min.)	1/4" (∅6.35 mm)		1/4" (∅6.35 mm)	
Riping	Max.length(m)	15		15	
	Max.height(m)	10		10	
	Additional charge	10g/m (Piping length exceeds7.5m)		10g/m (Piping length exceeds7.5m)	
Drain piping		O.D∅16 mm		O.D∅16 mm	
Safety device	Compressor	Thermal protector(Internal)		Thermal protector(Internal)	
	Fan motor	Thermal fuse		Thermal fuse	
	Others	Fuse, Micro computer control		Fuse, Micro computer control	
Air filters		Polypropylene net (Washable)		Polypropylene net (Washable)	
Net dimen- sions	Width (mm)	965	850	965	890
	Height (mm)	313	710	313	800
	Depth (mm)	250	230	250	320
Net weight (kg)		11.5	46	11.5	55

NOTE: The conditions of star(☆) marked items are ' TIS2134-2545 '

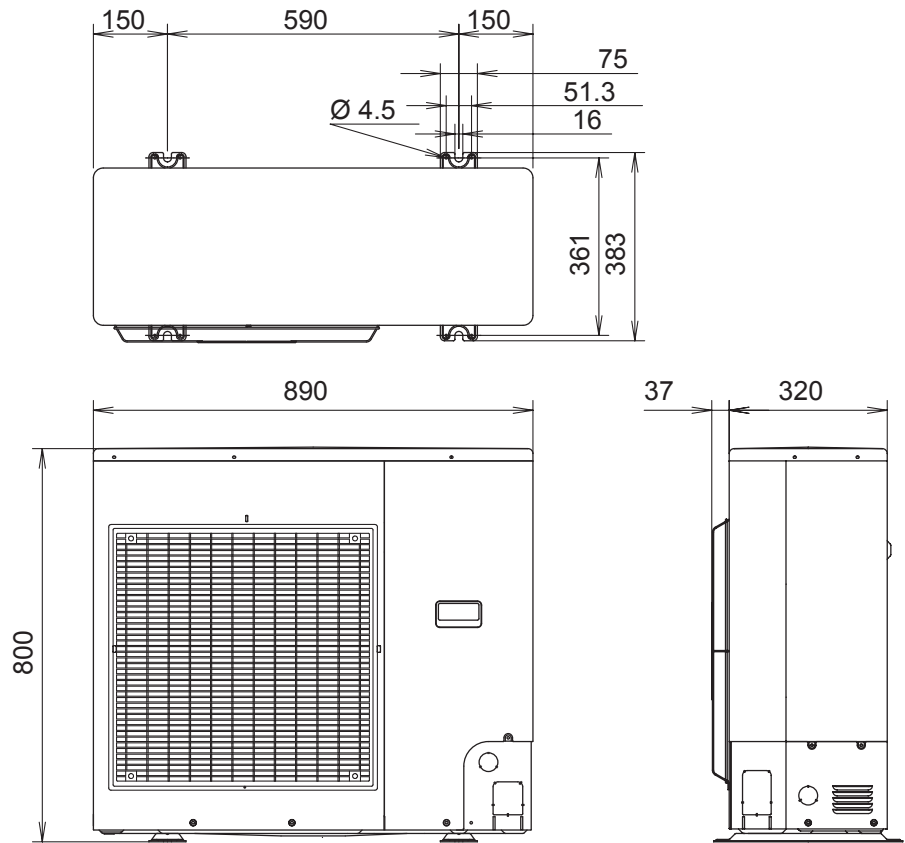
[2] EXTERNAL DIMENSION**1. Indoor unit****AH-PN19/AH-PN24**

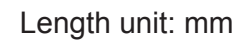
2. Outdoor unit

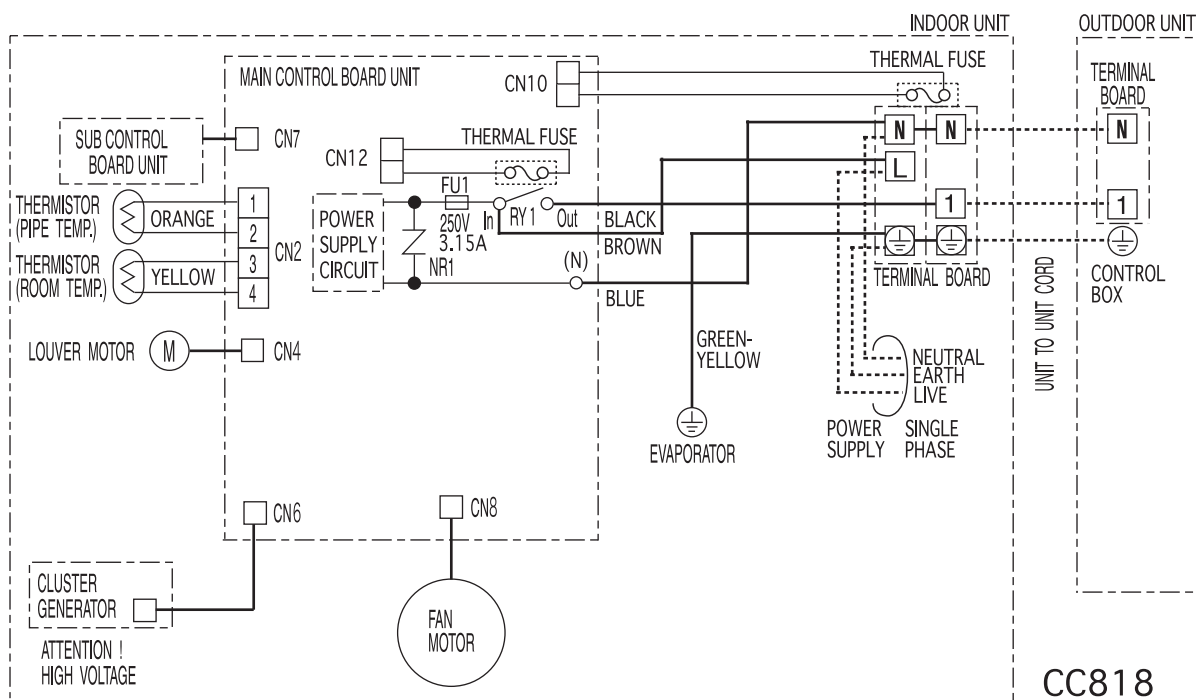
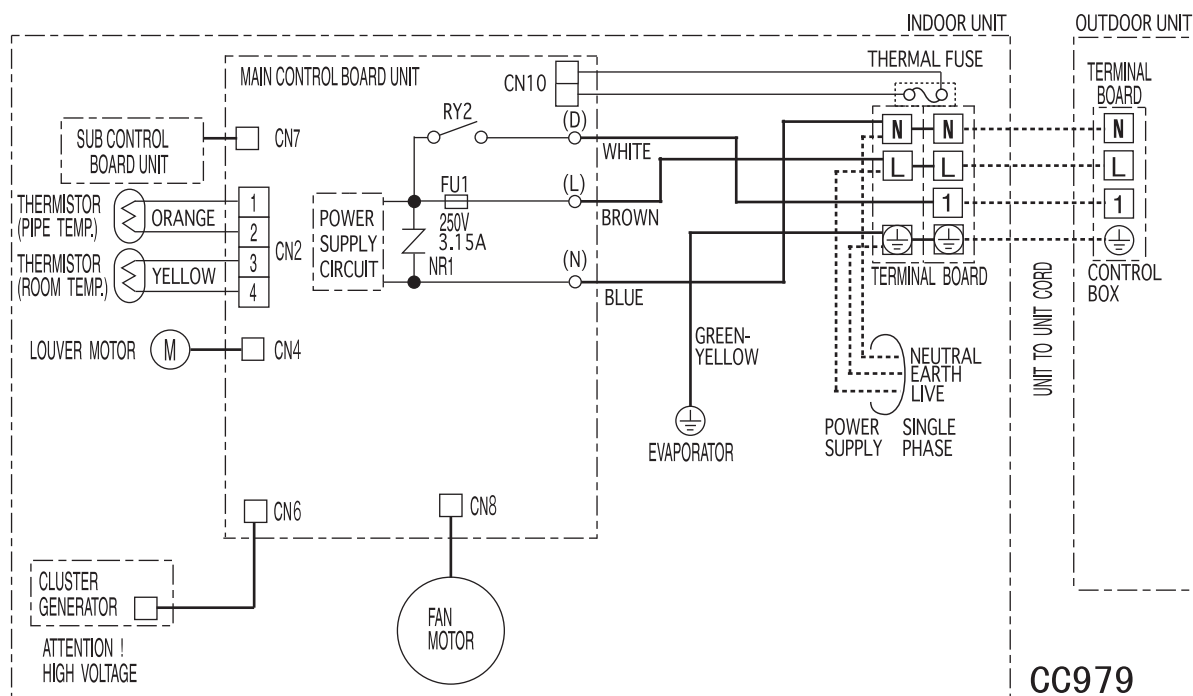
2.1. AU-PN19



2.2. AU-PN24

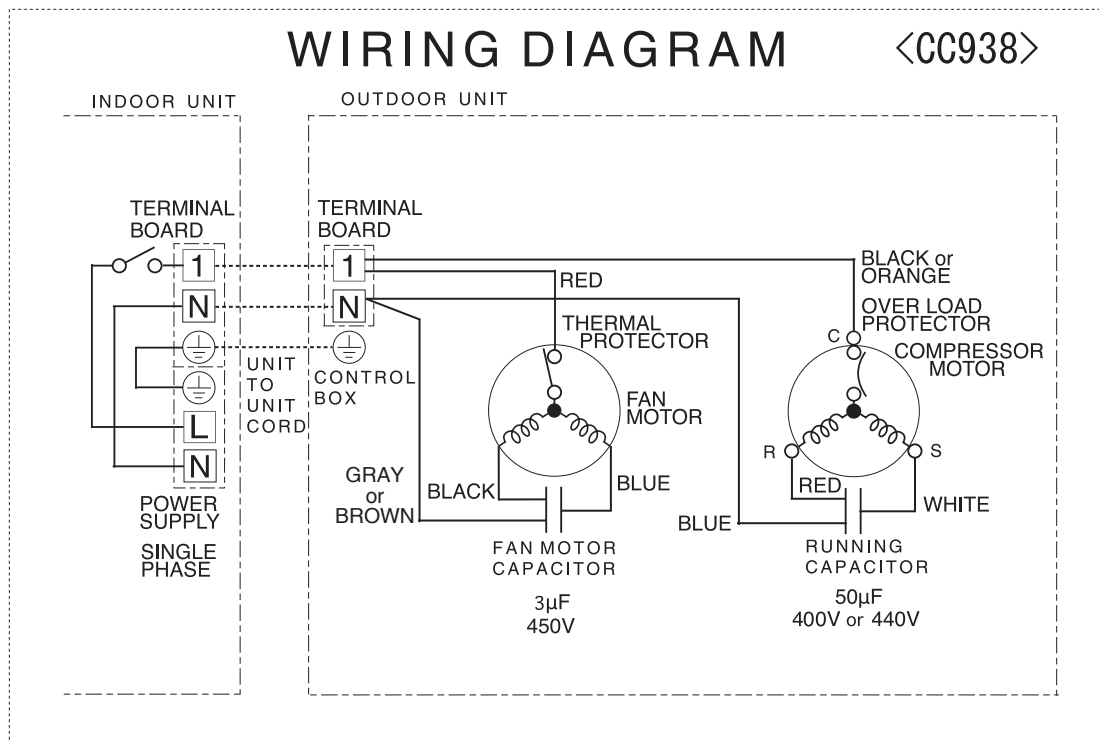




[3] WIRING DIAGRAM**1. Indoor unit****1.1. AH-PN19****1.2. AH-PN24**

2. Outdoor Unit

2.1. AU-PN19



2.2. AU-PN24

