

CHAPTER 1. PRODUCT SPECIFICATIONS

[1] SPECIFICATIONS

ITEMS	MODEL	INDOOR UNIT AY-AP12FHR	OUTDOOR UNIT AE-A12FHR
Cooling capacity	kW	3.5	
Heating capacity	kW	4.0	
Moisture removal	Liters/h	1.2	

Electrical data

Phase			Single	
Rated frequency	Hz	50		
Rated voltage	V	230		
Rated current [☆]	Cool	A	5.0	
	Heat	A	5.0	
Rated input [☆]	Cool	W	1090	
	Heat	W	1100	
Power factor [☆]	Cool	%	95	
	Heat	%	96	
Compressor	Type	Hermetically sealed rotary type		
	Model	RN140VXSMT		
	Oil charge	520cc (MEL56)		
Refrigerant system	Evaporator	Louver Fin and Grooved tube type		
	Condenser	Corrugate Fin and Grooved tube type		
	Control	Capillary tube		
	Refrigerant volume	1120g (R410A)		
De-ice system	Micro computer controled reversed systems			
Noise level (at cooling)	High	dB(A)	40	48
	Low	dB(A)	33	-
	Soft	dB(A)	29	-

Fan system

Drive	Direct drive			
Air flow quantity (at cooling)	High	m3/min.	10.2	27
	Low	m3/min.	8.1	-
	Soft	m3/min.	6.2	-
Fan	Cross flow fan		Propeller fan	

Connections

Refrigerant coupling	Flare type		
Refrigerant tube size Gas, Liquid	1/2", 1/4"		
Drain piping	mm	O.D φ 18	

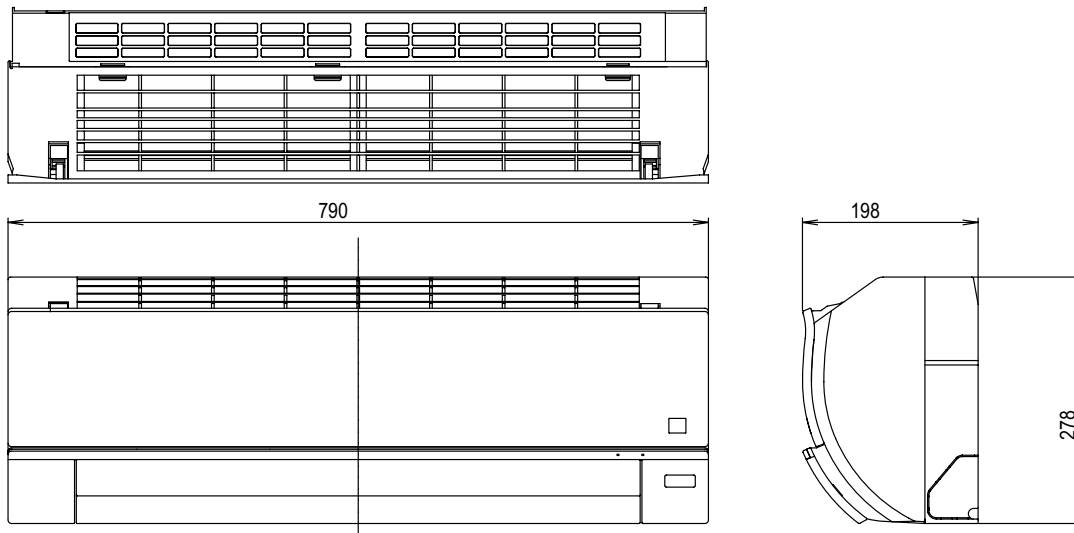
Others

Safety device	Compressor: Overload protector(Internal)			
	Fan motors: Thermal fuse			
	Fuse, Micro computer control			
Air filters	Polypropylene net (Washable)			
Net dimensions	Width	mm	790	730
	Height	mm	278	540
	Depth	mm	198	250
Net weight	kg	10	37	

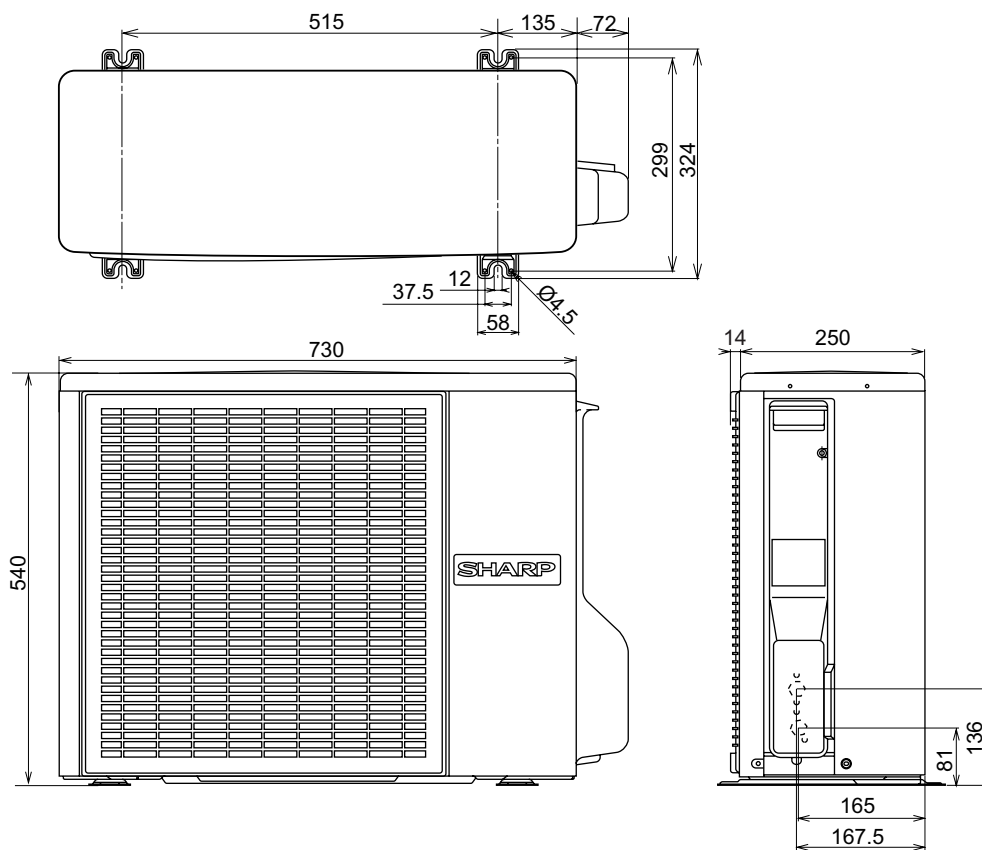
Note: The condition of star "☆" marked item are 'ISO5151' : 1994(E), condition T1.

[2] EXTERNAL DIMENTIONS

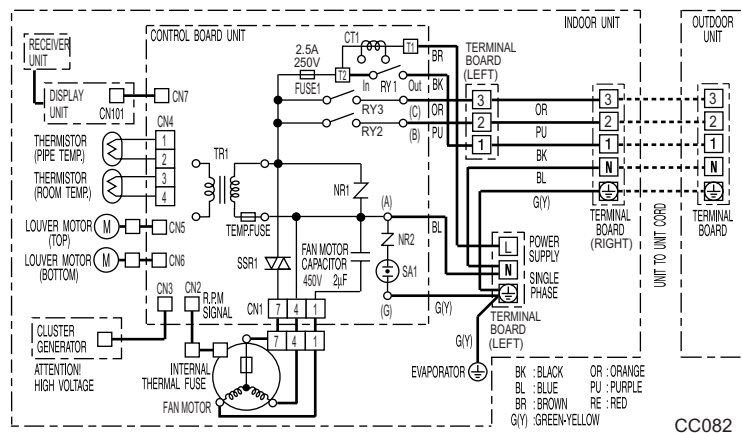
1. Indoor unit



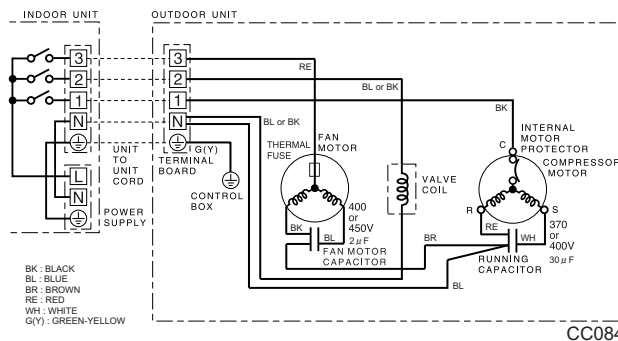
2. Outdoor unit



1. Indoor unit



2. Outdoor unit



[4] ELECTRICAL PARTS

1. Indoor unit

DESCRIPTION	MODEL	REMARKS
Indoor fan motor	MLB-190	220 - 240V, 50Hz
Indoor fan motor capacitor	-	450V, 2µF
Transformer	-	Primary; AC 230V, 50Hz Secondary; AC15.3V, 50Hz
Fuse	-	250V, 2.5A

2. Outdoor unit

DESCRIPTION	MODEL	REMARKS
Compressor	RN140VXSMT	220 - 240V, 50Hz, 1170/1190W
Outdoor fan motor	MLB182	220-240V,50Hz
Outdoor fan motor capacitor	-	450V, 2µF
Running capacitor	-	400V, 30µF
Reverse valve	SHF-7H-34U	-
Reverse valve coil	-	220 - 240V, 50/60Hz