International Air Conditioners

A5VR CAREFREE SERIES

A5VR030DRM • A5VR035DRM •

A5VR040DRM • A5VR050DRM •

A5VR060DRM • A5VR065DRM •

A5VR070DRM • A5VR080DRM







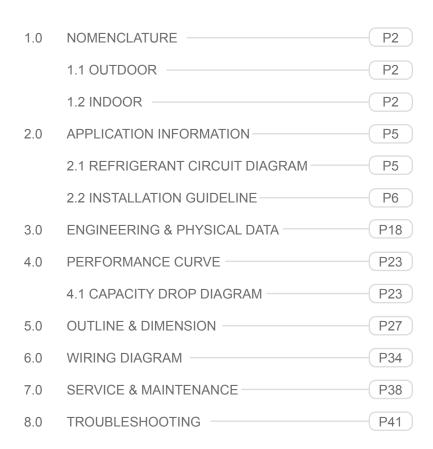
CONTENTS

A5VR CAREFREE SERIES

A5VR030DRM • A5VR035DRM • A5VR040DRM • A5VR050DRM •

A5VR060DRM • A5VR065DRM •

A5VR070DRM • A5VR080DRM



^{*} All specifications stated in this technical manual are for Cooling Only unit. Please contact us for more information about Heat Pump unit.



DISCLAIMER

DISCLAIMER
In complying with ACSON's policy for continuous product improvement, the information contained in this document is subject to change without notice. While ACSON makes no commitment to update or provide current information automatically to the manual owner, that information, if applicable, can be obtained by contacting the nearest ACSON Applied System office. It is the responsibility of operating/service personnel to verify the applicability of these documents to the equipment in question. If there is any question in the mind of operating/service personnel as to the applicability of these documents, then prior to working on the equipment, they should verify with the owner whether the equipment has been modified and if current literature is available.

A CAUTION

HIGH VOLTAGE
is used in the operation of this equipment.
DEATH OR SERIOUS INJURY

may result if personnel fail to observe safety precautions.

Work on electronic equipment should not be undertaken unless the individuals(s) have been trained in the proper maintenance of equipment and is(are) familiar with its potential hazards.

Shut off the power supply to equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take special care to discharge every capacitor likely to hold dangerous potential.

Be careful not to contact high voltage connections when installing or operating this equipment

LOW VOLTAGE

DO NOT be misled by the term 'low voltage" Voltages as low as 50 volts may cause death.



NOMENCLATURE

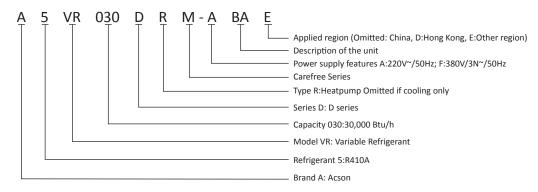
A5VR Carefree series units are most suitable for commercial building, office room, hotel, which includes the outdoor units and multi-indoor units. The advantage of this product range is unique outdoor units with inverter compressor. To meet different requirements, there are many indoor units to be chosen: ceiling concealed, ceiling cassette, wall mounted, ducted blower and ceiling mounted;

Outdoor Units: A5VR-DRM Series

Product range: A5VR030DRM, A5VR035DRM, A5VR040DRM, A5VR050DRM, A5VR060DRM, A5VR065DRM, A5VR070DRM, A5VR080DRM

Feature: The outdoor units are compact, and elegant design with low noise; the compressor is with advanced technology of inverter, can meet the stageless energy level adjustment from 50% to 130%;

Nomenclature





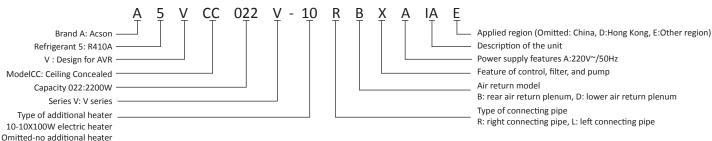
Ceiling Concealed Indoor Units: A5VCC-V Series

Product Range: A5VCC022V, A5VCC025V, A5VCC028V, A5VCC032V, A5VCC036V, A5VCC040V, A5VCC045V, A5VCC050V, A5VCC056V, A5VCC063V, A5VCC071V, A5VCC080V, A5VCC090V, A5VCC100V, A5VCC112V, A5VCC125V, A5VCC140V, A5VCC160V

Feature: Concealed type, space saving, ESP is multiple;



Nomenclature

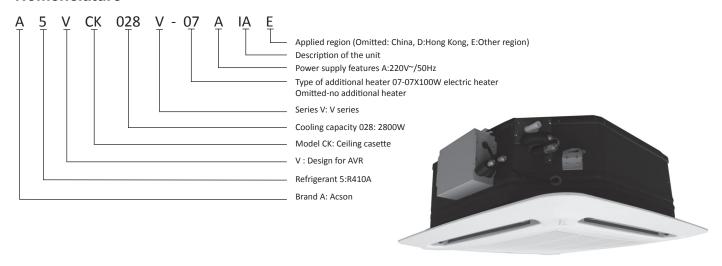


Ceiling Cassette Indoor Units: A5VCK-V Series

Product Range: A5VCK028V, A5VCK032V, A5VCK036V, A5VCK040V, A5VCK045V, A5VCK050V, A5VCK056V, A5VCK063V, A5VCK071V, A5VCK080V, A5VCK090V, A5VCK100V, A5VCK112V, A5VCK125V, A5VCK140V

Feature: 4 ways air supply evenly, streamlined design, in-build high efficiency filter;

Nomenclature



Wall Mounted Indoor Units: A5VWM-W Series

Product Range: A5VWM022W, A5VWM028W, A5VWM036W, A5VWM045W, A5VWM056W, A5VWM071W

Feature: elegant design, friendly installation, In-build high efficiency and mould proof filter, easy to detach and clean.

Nomenclature





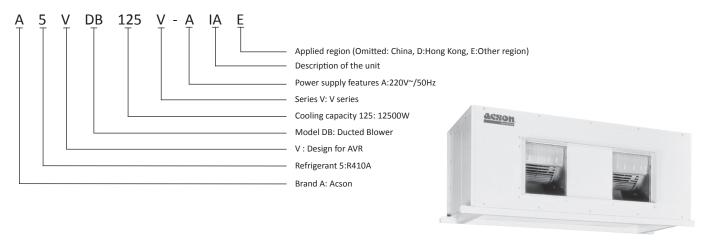
Ducted Blower Indoors Units: A5VDB-V Series

Product Range: A5VDB125V, A5VDB140V, A5VDB224V

Feature:

Installed above ceiling with air supply duct working, meet the requirement for long distance air supply;

Nomenclature



Ceiling Mounted Indoor Units: A5VCM-V Series

Product Range: A5VCM056V, A5VCM071V, A5VCM112V, A5VCM125V

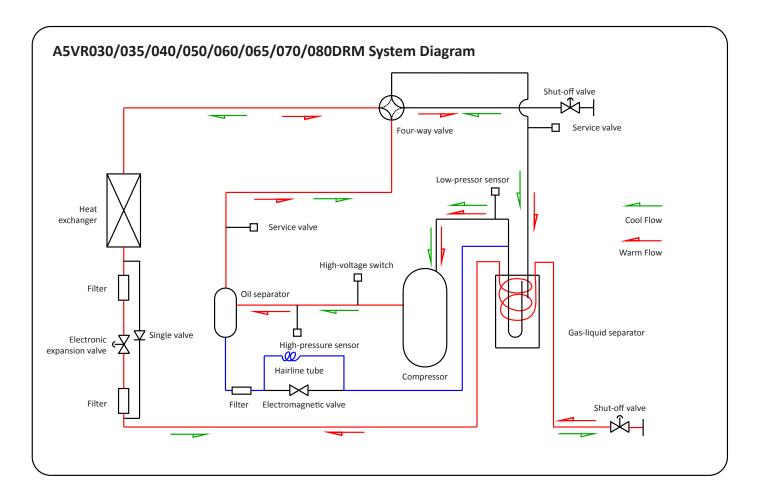
Feature: elegant design, friendly installation;

Nomenclature



APPLICATION INFORMATION

2.1 Refrigerant Circuit Diagram



Circulatory system of refrigeration and heating systems



2.2 Installation Guideline (Outdoor Clearance)

Space for installation of outdoor units

Single outdoor unit can be installed in one place, and multiple outdoor units can be installed together in one larger place. Please reserve the minimum installation space, the units may not operate properly if the space is smaller than required.

2.2.1 An obstacle exists at the air intake side:

No obstacle exists at upper side

- a. Single unit installation
 - Only one obstacle exists at the air intake side (see Figure 1)
 - Obstacles exist at the both sides (see Figure 2)
- b. Group units installation (more than two units)
 - Obstacles exist at the both sides (see Figure 3)

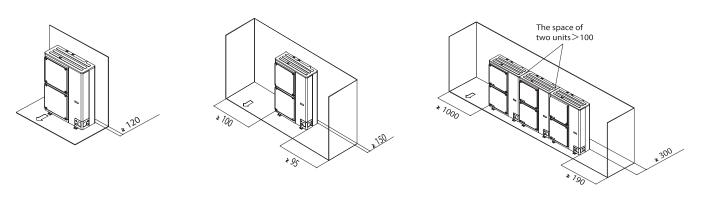
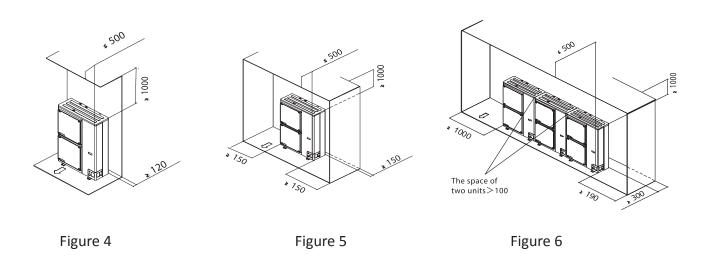


Figure 1 Figure 2 Figure 3

Obstacle exists at upper side

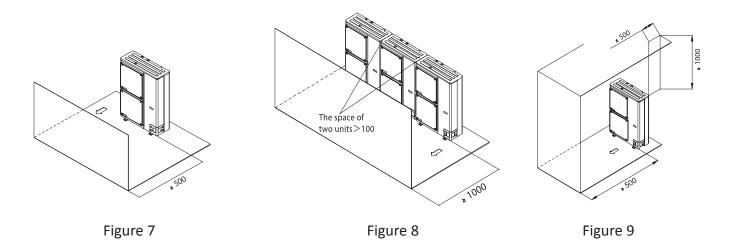
- a. Single unit installation
 - One obstacle exists at the air intake side (see Figure 4)
 - Obstacles exist at the air intake ,left and right side (see Figure 5)
- b. Group units installation (more than two units)
 - Obstacles exist at the air intake ,left and right side (see Figure 6)



2.2.2 Obstacle exists at the air exhaust side

No obstacle exists at upper side

- a. Single unit installation (see Figure 7)
- b. Group units installation (more than two units) (see Figure 8)
- Obstacle exists at upper side
 - a. Single unit installation (see Figure 9)





b. Group units installation (more than two units)(see Figure 10)

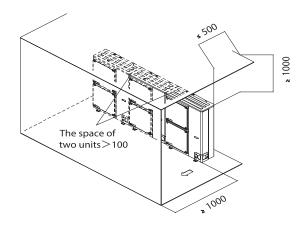


Figure 10

2.2.3 Obstacles exist at the air exhaust and intake side

Model 1: The height of obstacle at intake side is absolute ,when the obstacle at exhaust side is higher than units.

- No obstacle exists at upper side
 - a. Single unit installation (see Figure 11)
 - b. Group units installation (more than two units)(see Figure 12)

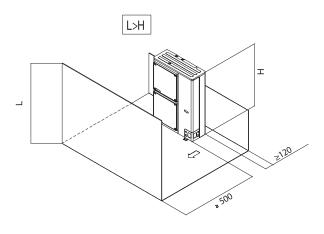


Figure 11

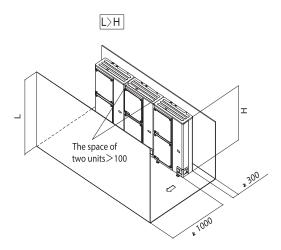


Figure 12

- Obstacles exist at upper side
 - a. Single unit installation (see Figure 13)

The relation of H, A, L is as follows:

	L	A		
1211	0 < L ≤ 1/2H	750		
L≤H	1/2H < L ≤ H 1000			
H < L	The setting of fo	undation is L ≤ H		

Seal the bottom of foundation to prevent the exhausted air from crossing the unit.

b. Group units installation (more than two units)(see Figure 14)

The relation of H, A, L is as follows:

	L	А
	0 < L ≤ 1/2H	1000
L≤H	1/2H < L ≤ H	1250
H < L	The setting of for	undation is L ≤ H

Seal the bottom of foundation to prevent the exhausted air from crossing the unit, Only install two units in the way.

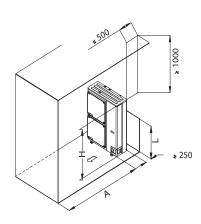


Figure 13

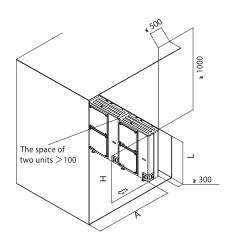


Figure 14



Model 2: The height of obstacle at intake side is absolute ,when the obstacle at exhaust side is lower than units.

- No obstacle exists at upper side
 - a. Single unit installation (see Figure 15)

L≤H

b. Group units installation (more than two units)(see Figure 16) The relation of H, A, L is as follows:

L	А
0 < L ≤ 1/2H	250
1/2H < L ≤ H	300

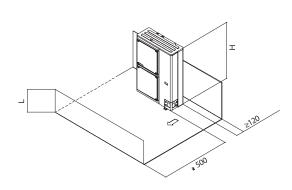


Figure 15

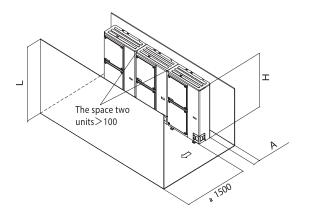


Figure 16

- Obstacles exist at upper side
 - a. Single unit installation (see Figure 17)

The relation of H, A, L is as follows:

	L	А			
L < H	0 < L ≤ 1/2H	120			
LΣΠ	1/2H < L ≤ H	200			
H < L	The setting of foundation is L ≤ H				

Seal the bottom of foundation to prevent the exhausted air from crossing the unit.

b. Group units installation (more than two units)(see Figure 18)

The relation of H, A, L is as follows:

	L	А			
1.211	0 < L ≤ 1/2H	250			
L≤H	1/2H < L ≤ H 300				
H < L	The setting of fo	undation is L ≤ H			

Seal the bottom of foundation to prevent the exhausted air from crossing the unit, Only install two units in the way.

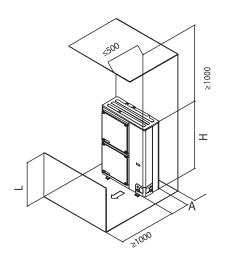


Figure 17

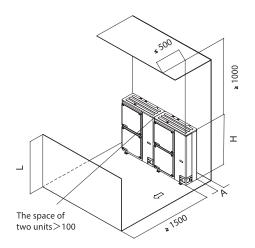
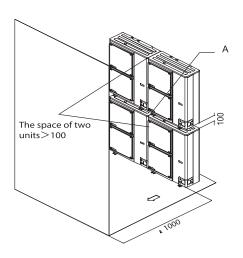


Figure 18

2.2.4 Double-layer Installation

- An obstacle exists at the air exhaust side (see Figure 19)
 Seal opening A to prevent the exhausted air from crossing the unit. The drainage construction space required for the upper outdoor unit is about 100 mm. Water generated from the outdoor unit at the upper layer cannot be directly drained to the outdoor unit at the lower layer. The overlaid units cannot exceed 2.
- An obstacle exists at the air intake side (see Figure 20)
 Seal opening A to prevent the exhausted air from crossing the unit. The drainage pipe construction space required for the upper outdoor unit is about 100 mm. The overlaid units cannot exceed 2.







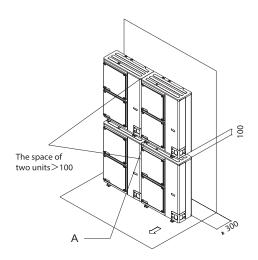


Figure 20

2.2.5 Multi-lined group installation (In the roof, etc.)

- Multi-lined single installation (see Figure 21)
- Multi-lined group installation (more than two units a group)(see Figure 22) The relation of H, A, L is as follows:

	L	А		
	0 < L ≤ 1/2H	250		
L≤H	1/2H < L ≤ H 300			
H < L	Can not be	e installed		

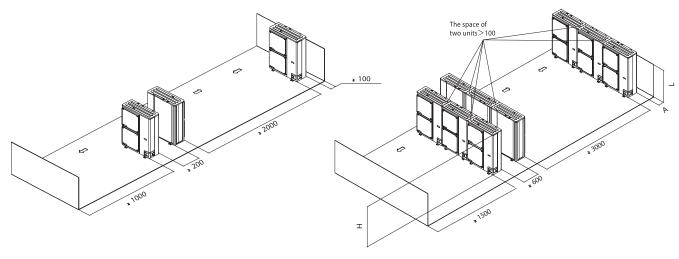


Figure 21 Figure 22

2.2 Installation Guideline (Cable size)

Carefree Series Outdoor Units

Model		A5VR 030DRM	A5VR 035DRM	A5VR 040DRM	A5VR 050DRM	A5VR 050DRM(3)	A5VR 060DRM	A5VR 060DRM(3)	A5VR 065DRM	A5VR 070DRM	A5VR 080DRM
Pov	wer Supply		220V~	∕/50Hz		380V/3N ~/50Hz	220V ~/50Hz	380V/3N ~/50Hz	220V ~/50Hz	380V/3I	N~/50Hz
	Maximum Operating Current (A)		24.3	24.6	34.3	16.1	34.3	16.1	34.3	18.7	18.7
Cable	Intersection Surface(mm²)	4	4	4	6	4	6	4	6	4	4
	Quantities	3	3	3	3	5	3	5	3	5	5

Note:

- The lead-in position of power cable must be provided a short circuit device with a sufficient capacity. This device has a contact separation of 3 mm at least.
- All cable shall be connected and fixed tightly, and connecting wires must be fixed on the line card.
- All wires must not touch the refrigerant pipes and compressors, motors and other moving parts, and all the conducting wires must undergo safety measures to prevent water, dust, corrosion, vibration and rodents.
- All above intersection surface of power wires are minimum requirements. The actual specifications Influenced by radiation, temperature, length etc, please adjust it according to the related electric manual.

Ceiling Concealed Indoor Units

Model			A5VCC 022V	A5VCC025V A5VCC028V	A5VCC032V A5VCC036V	A5VCC040V A5VCC045V	A5VCC050V A5VCC056V	A5VCC 063V	A5VCC 071V	
Power Supply				220V~/50Hz						
	Intersection	Normal		1.5						
Cable	Cable Surface(mm²) Electrical heater			1.5 2.5						
Quantities				3						

	Model		A5VCC 080V						A5VCC 160V
	Power Supp	oly		220V~/50Hz					
	Intersection	Normal		1.5					
Cable	ble Surface(mm²) Electrical heater		2.5 4						
	Quantities			3					

Note

- The lead-in position of power cable must be provided a short circuit device with a sufficient capacity. This device has a contact separation of 3 mm at least.
- All cable shall be connected and fixed tightly, and connecting wires must be fixed on the line card.
- All wires must not touch the refrigerant pipes and compressors, motors and other moving parts, and all the conducting wires must undergo safety measures to prevent water, dust, corrosion, vibration and rodents.
- All above intersection surface of power wires are minimum requirements. The actual specifications Influenced by radiation, temperature, length etc, please adjust it according to the related electric manual.



Ceiling Cassette Indoor Units

	Model		A5VCK 028V	A5VCK 032V	A5VCK 036V	A5VCK 040V	A5VCK 045V	A5VCK 050V	A5VCK 056V	A5VCK 063V	A5VCK 071V
Power Supply							220V~/50Hz				
	Cable Intersection Surface(mm²) Electrical heater						1.5				
Cable							2.5				
	Quantities						3				

	Model		A5VCK 080V	A5VCK 090V	A5VCK 100V	A5VCK 112V	A5VCK 125V	A5VCK 140V
Power Supply			220V~/50Hz					
	Intersection	Normal	1.5					
Cable	Surface(mm²)	Electrical heater				ļ		
	Quar	ntities	3					

Note

- The lead-in position of power cable must be provided a short circuit device with a sufficient capacity. This device has a contact separation of 3 mm at least.
- All cable shall be connected and fixed tightly, and connecting wires must be fixed on the line card.
- All wires must not touch the refrigerant pipes and compressors, motors and other moving parts, and all the conducting wires must undergo safety measures to prevent water, dust, corrosion, vibration and rodents.
- All above intersection surface of power wires are minimum requirements. The actual specifications Influenced by radiation, temperature, length etc, please adjust it according to the related electric manual.

Wall Mounted Indoor Units

	Model	A5VWM022W	A5VWM028W	A5VWM036W	A5VWM045W	A5VWM056W	A5VWM071W		
	Power Supply	220V~/50Hz							
Cable	Intersection Surface(mm²)		1.5						
	Quantities			3					

Note

- The lead-in position of power cable must be provided a short circuit device with a sufficient capacity. This device has a contact separation of 3 mm at least.
- \bullet All cable shall be connected and fixed tightly, and connecting wires must be fixed on the line card.
- All wires must not touch the refrigerant pipes and compressors, motors and other moving parts, and all the conducting wires must undergo safety measures to prevent water, dust, corrosion, vibration and rodents.
- All above intersection surface of power wires are minimum requirements. The actual specifications Influenced by radiation, temperature, length etc, please adjust it according to the related electric manual.

Ducted Blower Indoor Units

	Model		A5VDB125V	A5VDB125V A5VDB140V		
	Power Supp	ly	220V ⁻	380V/3N~/50Hz		
Cable	Intersection Surface(mm²)	Normal	1	2.5		
	Quar	ntities		5		

Note:

- The lead-in position of power cable must be provided a short circuit device with a sufficient capacity. This device has a contact separation of 3 mm at least.
- All cable shall be connected and fixed tightly, and connecting wires must be fixed on the line card.
- All wires must not touch the refrigerant pipes and compressors, motors and other moving parts, and all the conducting wires must undergo safety measures to prevent water, dust, corrosion, vibration and rodents.
- All above intersection surface of power wires are minimum requirements. The actual specifications Influenced by radiation, temperature, length etc, please adjust it according to the related electric manual.

Ceiling Mounted Indoor Units

	Model		A5VCM056V A5VCM071V A5VCM112V A5VCM125V						
	Power Supp	ver Supply 220V~/50Hz							
Cable	Intersection Surface(mm²)	Normal	1.5						
	Quar	ntities	3						

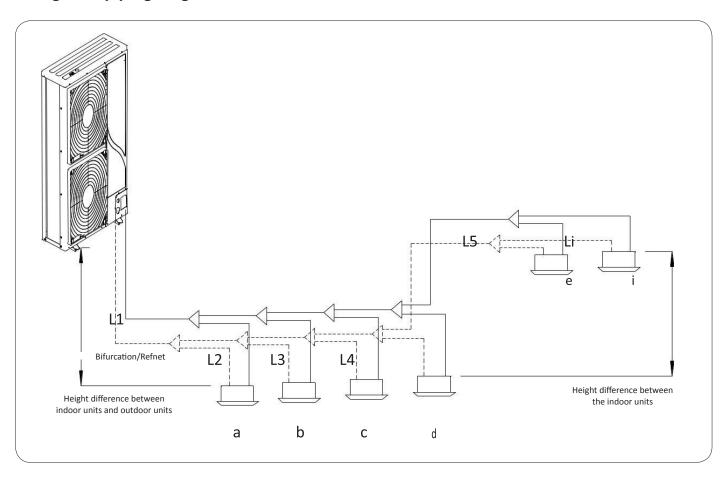
Note:

- The lead-in position of power cable must be provided a short circuit device with a sufficient capacity. This device has a contact separation of 3 mm at least.
- All cable shall be connected and fixed tightly, and connecting wires must be fixed on the line card.
- All wires must not touch the refrigerant pipes and compressors, motors and other moving parts, and all the conducting wires must undergo safety measures to prevent water, dust, corrosion, vibration and rodents.
- All above intersection surface of power wires are minimum requirements. The actual specifications Influenced by radiation, temperature, length etc, please adjust it according to the related electric manual.



2.2 Installation Guideline (Refrigerant Piping)

Refrigerant piping length limitations



					Pipe Parts
	Total length	Actual longth	A5VR030DRM	≤80m	L1+L2+
	iotai ieligtii	Actual length	A5VR040~A5VR080DRM	≤120m	+Li+a+b++i
		Actual length	A5VR030DRM	≤50m	
Pipe Length	Longest pipe length	Actual length	A5VR040~A5VR080DRM	≤75m	l1+l2++li+i
- 0-		Equivalent length	A5VR030DRM	≤60m	L1+L2+ +L1+1
			A5VR040~A5VR080DRM	≤85m	
	Equivalent length from first bifurca	≤20m	L2+ +Li+i		
Height	Maximum height difference betw	and outdoor units	≤20m	-	
difference	Maximum height differen	ce between the	indoor units	≤15m	-

Equivalent length refers to the elbow and other parts of the tube with consideration to the pressure lost after the conversion length.

The formula is as follows:

Equivalent length = actual length of pipe + number of elbows x Equivalent length of various elbows

The length of each branch is 0.5m, with the equivalent length of the elbow as follows:

Diameter.	Equivalent length	Diamatan	Equivalent length	
Diameter	Elbow(m)	Diameter	Elbow(m)	
ф9.52	0.18	ф28.6	0.50	
ф12.7	0.20	ф31.8	0.55	
ф15.88	0.25	ф34.9	0.60	
ф19.05	0.35	ф38.1	0.65	
ф22.23	0.40	144.2	0.70	
ф25.4	0.45	ф41.3	0.70	

Note:

The equivalent length of elbow in the table above aims to fulfill installation standards: the pipe bending radius of curvature is $R \ge 3.5D$ (D for the pipe diameter), about $\ge 3/4$ of the original diameter before the pipe bending deformation. If the elbow bending radius does not meet the above installation standards, the equivalent length is to be calculated separately (the smaller the bending radius, the longer the equivalent length).

• Maximum number of outdoor units that are compatible with the outdoor unit models:

Outdoor unit	Maximum number of outdoor units				
A5VR030DRM	5				
A5VR035DRM	6				
A5VR040DRM	6				
A5VR050DRM	8				
A5VR060DRM	9				
A5VR065DRM	11				
A5VR070DRM	11				
A5VR080DRM	13				



ENGINEERING & PHYSICAL DATA

Carefree Series Outdoor Units

Мо	del	A5VR030 DRM	A5VR035 DRM	A5VR040 DRM	A5VR 050DRM	A5VR 050DRM(3)	A5VR 060DRM	A5VR 060DRM(3)	A5VR065 DRM	A5VR070 DRM	A5VR080 DRM
Cooling cap	pacity (kW)	8.0	10.0	11.2	-	14.0		16.0	18.0	20.0	22.4
Heating cap	pacity (kW)	9.0	11.2	12.5	-	16.0	18.0	18.0	20.0	22.4	24.0
Pov	ver	220V~/50Hz				380V/3N ~/50Hz	220V 380V/3N ~/50Hz ~/50Hz		220V ~/50Hz	380V/31	N~/50Hz
Noise	dB(A)	54	55	55		57		59	59	6	2
W×D×I	H(mm)	900*32	20*782			900*320*12	22		9	00*320*135	4
Weigh	Weight (kg)		76	102	110	107	110	107	120	128	128
	Power consumption in cooling (kW)		3.12	3.2	4.24	3.70	4.69	4.40	5.29	5.40	6.59
Ampere in	cooling (A)	11.9	15.2	15.3	20.3	7.4	23.0	8.0	27.0	9.6	11.9
Power con in heati		2.32	2.66	3.25	4.36	3.90	4.84	4.20	5.16	5.70	6.00
Ampere in	heating (A)	11.8	13.0	16.1	20.6	7.6	24.0	7.8	26.3	10.1	10.5
Max.indoo	rs-quantity	5	6	6		8		9	11	11	13
Refrig	erant					R4	10A				
Connecting	gas					expanded	copper tube				
Pipe	liquid					expanded	copper tube				
LiquidΦ(mm(in))		9.52 (3/8") 9.52 (3/8")							9.52 (3/8")	
GasΦ(n	nm(in))				15.88 (5,	/8")				19.05 (3/4")	

Note:

- $1. \ Cooling \ condition: Indoor \ D/W \ bulb \ Temp. \ 27/19°C, outdoor \ temperature: D/W \ bulb \ Temp. \ 35/24°C;$
- 2. Heating condition: Indoor D/W bulb Temp. 20/15°C,outdoor temperature: D/W bulb Temp.7/6°C;
- 3. The noise level is tested in the incomplete anechoic lab under the standard refrigeration condition and got from the average values from three points, 1 meter in front of the unit, 1 meter from two sides of the unit and half of the unit height plus I meter. The real noise value in operation may be a little higher than the tested value due to the influence of the actual environment;
- 4. The width is just for the unit, not including the width of bottom edge.

Ceiling Concealed Indoor Units

Mode	el	A5VCC 022V	A5VCC 025V	A5VCC 028V	A5VCC 032V	A5VCC 036V	A5VCC 040V	A5VCC 045V	A5VCC 050V	A5VCC 056V	
Cooling capa	city (kW)	2200	2500	2800	3200	3600	4000	4500	5000	5600	
Heating capa	city (kW)	2500	2800	3200	3600	4000	4500	5000	5600	6300	
Powe	r	220V~/50Hz									
Sound leve	l dB(A)	29		31	3	2	3	4	3	7	
W×D×H(mm)				900)*599*199					
Weight	(kg)	26		26	2	7	2	8	2	8	
Power inp	ut(W)	43	47		57		62		96		
Fan num	nber	2									
Air flow	H: m³/h	430		600	630		73	30	90	00	
ESP(P	a)	10Pa ,(0/30Pa adjustable)									
Drain Φ(m	m(in))	20.5(4/5")									
Protect	ion	Anti-freezing, overload									
Pump h	ead	700									
Connecting	gas				expande	ed copper tu	ıbe				
Pipe	liquid	expanded copper tube									
LiquidΦ(m	LiquidΦ(mm(in))		6.35 (1/4")								
GasΦ(mr	n(in))		9.52 (3/8") 12.7 (1/2")								

Mode	Model		A5VCC 071V	A5VCC 080V	A5VCC 090V	A5VCC 100V	A5VCC 112V	A5VCC 125V	A5VCC 140V	A5VCC 160V
Cooling capac	city (kW)	6300	7100	8000	9000	10000	11200	12500	14000	16000
Heating capac	city (kW)	7100	8000	9000	10000	11200	12500	14000	16000	18000
Powe	r				22	0V~/50Hz				
Sound level	l dB(A)	37	40	43		46	4	7	4	9
W×D×H(r	mm)	1100*5	99*199	1384*490*250		1734*4	190*250		1994*4	90*250
Weight ((kg)	33	33	30	41			47		
Power inpu	Power input(W)		138	157	210	210 246 276		37	77	
Fan num	ber	3 2				3		4		
Air flow	H: m³/h	1050	1200	1200	1400	1700	1900	1900	2500	
ESP(Pa	a)	10Pa ,(0/30Pa	10Pa ,(0/30Pa adjustable) 30(15) 50(30)							
Drain Φ(mi	m(in))	20.5(4	4/5")				R3/4			
Protecti	ion				Anti-fre	ezing, overlo	oad			
Pump he	ead					700				
Connecting	gas				expande	ed copper tu	be			
Pipe	liquid	expanded copper tube								
LiquidΦ(m	9.52 (3/8")									
GasΦ(mm	n(in))		15.88 (5/8")							



Ceiling Cassette Indoor Units

Model		A5VCK 028V	A5VCK 032V	A5VCK 036V	A5VCK 040V	A5VCK 045V	A5VCK 050V	A5VCK 056V	A5VCK 063V	A5VCK 071V
Cooling capacity	W	2800	3200	3600	4000	4500	5000	5600	6300	7100
Heating capacity	W	3200	3600	4000	4500	5000	5600	6300	7100	8000
Powe	er				22	0V~/50Hz				
Sound leve	el dB(A)	30		31	3	34	3:	9	4	0
W×D×H(mm)				990	0*990*340				
Weight	kg	26		26 30 30		0	31			
Power consun	Power consumption (W) 55 55 72		9	92)2				
Number	of fan	1								
Air flow	H: m³/h	600		640	800		1000		1200	
Drain Φ(m	nm(in))				2	0.5(4/5")				
Protect	ion		Anti-freezing , overheat							
Connecting	gas				expand	ed copper tu	ibe			
Pipe	liquid	expanded copper tube								
LiquidΦ(m	LiquidΦ(mm(in))			6.35 (1/4")						
GasΦ(mr	m(in))	9.52 (3/8") 12.7 (4/8") 15.88 (5/8					(5/8")			

Model		A5VCK 080V	A5VCK 090V	A5VCK 100V	A5VCK 112V	A5VCK 125V	A5VCK 140V	
Cooling capacity	W	8000	9000	10000	11200	12500	14000	
Heating capacity	w	9000	10000	11200	12500	14000	15700	
Powe	er			220V~/	/50Hz			
Sound leve	el dB(A)	42	42	43	45	48	50	
W×D×H(mm)			990*99	0*390			
Weight	kg	35	35	35	36	36	36	
Power consun	nption (W)	142	142	144	155	171	204	
Number	of fan	1						
Air flow	H: m³/h	1300	1300	1360	1530	1600	1800	
Drain Φ(m	nm(in))	20.5(4/5")						
Protect	tion	Anti-freezing , overheat						
Connecting	gas			expanded co	opper tube			
Pipe								
LiquidΦ(m	nm(in))	9.52 (3/8")						
GasΦ(mr	m(in))			15.88 (5/8")			

Wall Mounted Indoor Units

Mod	el	A5VWM 022W	A5VWM 028W	A5VWM 036W	A5VWM 045W	A5VWM 056W	A5VWM 071W			
Cooling capacity	w	2200	2800	3600	4500	5600	7100			
Heating capacity	W	2500	3200	4000	5000	6200	7800			
Powe	er			220V~/	/50Hz					
Sound leve	el dB(A)	35	35	37	40	43	46			
W×D×H(mm)		990*20	5*282		1080*	221*304			
Weight	kg	12	12	12	12	16	16			
Power consun	nption (W)	33	33	34	34	35	55			
Number	of fan	1								
Air flow	H: m³/h	450	480	540	600	800	920			
Drain Φ(m	nm(in))	20								
Protect	tion	Anti-freezing , overload								
Connecting	gas	expanded copper tube								
Pipe	liquid		expanded copper tube							
LiquidΦ(m	nm(in))		6.35 (1/4")							
GasΦ(mr	m(in))	9.52 (3/8") 12.7 (1/2") 1					15.88 (5/8")			

Note:

- 1. Cooling condition: Indoor D/W bulb Temp. 27/19°C,outdoor temperature: D/W bulb Temp.35/24°C;
- 2. Heating condition: Indoor D/W bulb Temp. 20/15°C,outdoor temperature: D/W bulb Temp.7/6°C;
- 3. Testing power supply: 220V $^{\sim}$ /50Hz.
- 4. The noise level value is got from the testing point -0.8 meter downwards and 1 meter in front of the unit in the incomplete anechoic lab. In the actual operation. The noise level may be a little higher influenced by the environment.

Ducted Blower Indoor Units

Mode	el	A5VDB125V	A5VDB140V	A5VDB224V			
Cooling capacity	W	12500	14000	22400			
Heating capacity	W	14000	16000	25000			
Powe	er	220V^	380V/3N~/50Hz				
Sound leve	el dB(A)	46	50	54			
W×D×H(mm)	1227*830*350	1427*830*350	1760*958*515			
Weight	kg	60	69	131			
Power consun	nption (W)	481	620	910			
Current (A)		2.1	2.5	2.08			
Number	of fan						
Air flow	H: m³/h	2300	2750	4100			
ESP (P	a)	10	00	200			
Drain Φ(m	ım(in))	19.05	(3/4")	R1			
Protect	ion		Anti-freezing, overload				
Connecting	gas		expanded copper tube				
Pipe	liquid		expanded copper tube				
LiquidΦ(m	ım(in))	9.52 (3/8")					
GasΦ(mr	n(in))	15.88 (5/8") 22.23 (7/8")					

Note: 1. Cooling condition: Indoor D/W bulb Temp. 27/19°C,outdoor temperature: D/W bulb Temp.35/24°C;

- 2. Heating condition: Indoor D/W bulb Temp. 20/15°C,outdoor temperature: D/W bulb Temp.7/6°C;
- 3. Testing power supply: 220V~/50Hz or 380V/3N~/50Hz.
- 4. The noise level value is got from the testing point -1.4 meter under the unit in the incomplete anechoic lab. In the actual operation, the noise level may be a little higher influenced by the environment.



Ceiling Mounted Indoor Units

Mod	el	A5VCM056V	A5VCM071V	A5VCM112V	A5VCM125V		
Cooling capacity	W	5600	7100	11200	12500		
Heating capacity	W	6300	8000	8000 12500			
Powe	er		220V~,	/50Hz			
Sound leve	el dB(A)	48	50	5	2		
W×D×H((mm)	1214*670*214	1214*670*249	1714*6	70*249		
Martin	kg	39	44	6	4		
Weight	Ib	86	97	14	11		
Power consur	nption (W)	81	116 161		 51		
Curren	t (A)	0.40	0.55	0.55 0.70			
Number	of fan	2	3	4	1		
Air flow	H: m³/h	1100	1300	18	50		
Drain Φ(n	nm(in))		20.5 (4/5")			
Protect	tion		Anti-freezin	g, overload			
Connecting	gas		expanded co	opper tube			
Pipe	liquid		expanded copper tube				
LiquidΦ(n	nm(in))	6.35(1/4")	9.52(3/8")				
GasΦ(mi	m(in))	12.7(1/2")		15.88(5/8")			
Model o	f AEX	AEX-18-2SAP-C	AEX-22-3SAP-C				

Note: 1. Cooling condition: Indoor D/W bulb Temp. 27/19°C,outdoor temperature: D/W bulb Temp.35/24°C;

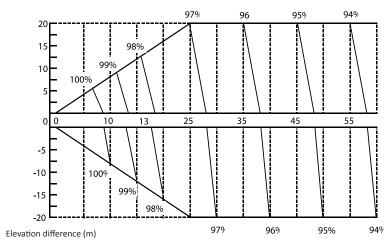
^{2.} Heating condition: Indoor D/W bulb Temp. 20/15°C,outdoor temperature: D/W bulb Temp.7/6°C; Heating capacity in low ambient temp condition: outdoor temperature: Dry bulb Temp.-12°C;

^{3.} Testing power supply: 220V~/50Hz.

^{4.} The noise level value is got from the testing point -1 meter downwards and 1 meter in front of the unit in the incomplete anechoic lab. In the actual operation, the noise level may be a little higher influenced by the environment.

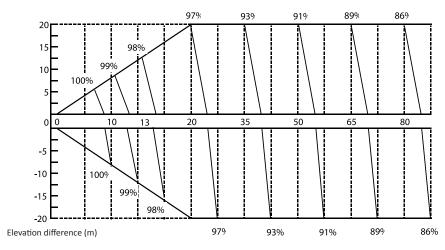
PERFORMANCE DATA

Capacity Drop Diagram



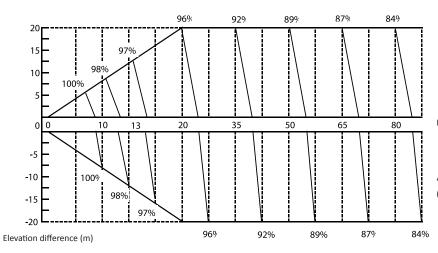
Equivalent piping length (m)

A5VR030DRM-Cooling Capacity Drop-Piping diagram



Equivalent piping length (m)

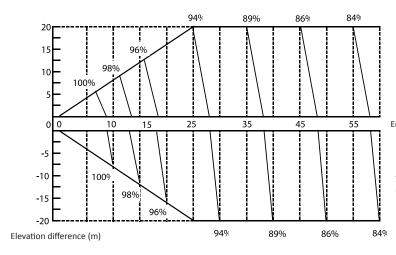
A5VR035DRM-Cooling Capacity Drop-Piping diagram



Equivalent piping length (m)

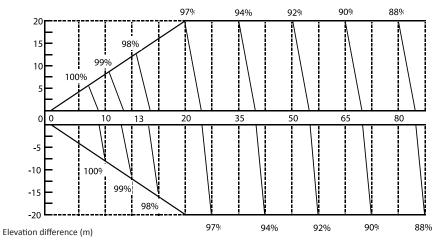
A5VR040DRM-Cooling Capacity Drop-Piping diagram





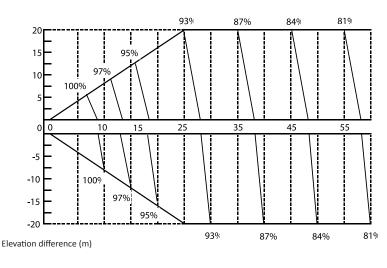
Equivalent piping length (m)

A5VR050DRM-Cooling Capacity Drop-Piping diagram



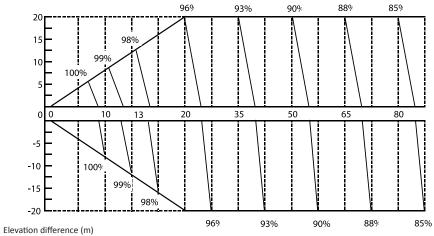
Equivalent piping length (m)

A5VR050DRM-Cooling Capacity Drop-Piping diagram (Bifurcation / Refnet increase by one size)



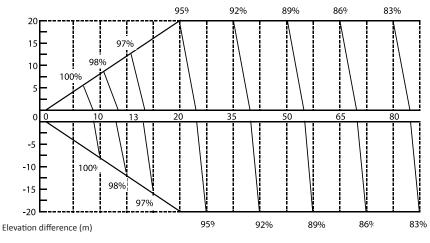
Equivalent piping length (m)

A5VR060DRM-Cooling Capacity Drop-Piping diagram



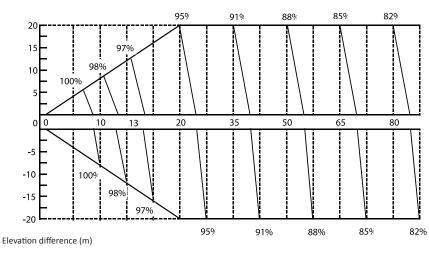
Equivalent piping length (m)

A5VR060DRM-Cooling Capacity Drop-Piping diagram (Bifurcation / Refnet increase by one size)



Equivalent piping length (m)

A5VR065DRM-Cooling Capacity Drop-Piping diagram

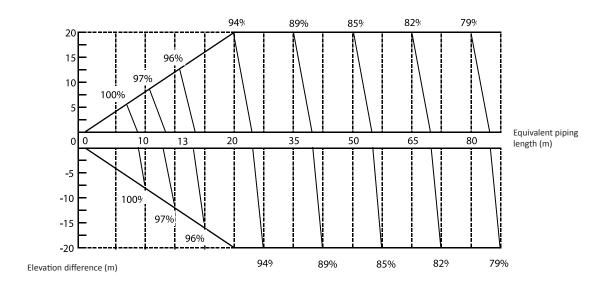


Equivalent piping length (m)

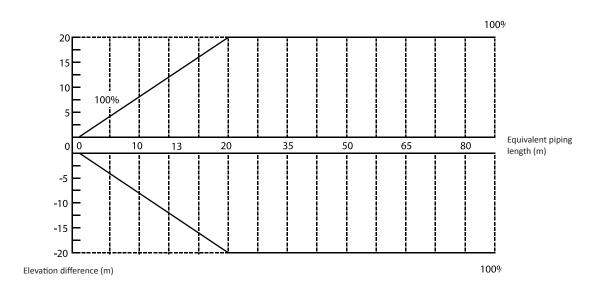
A5VR070DRM-Cooling Capacity Drop-Piping diagram



A5VR080DRM-Cooling Capacity Drop-Piping diagram



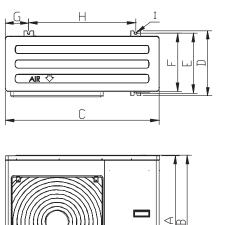
A5VR030~080DRM Heating Capacity Drop-Piping diagram

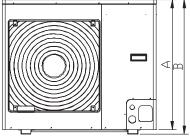


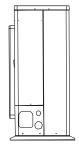
OUTLINE & DIMENSION

A5VR030/035DRM Unit:mm

Model	А	В	С	D	E	F	G	Н	ı
A5VR030/035DRM	756	782	900	380	350	320	138	624	4-R7.5



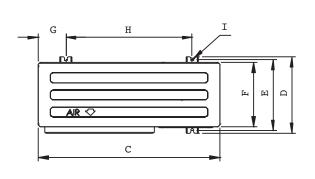


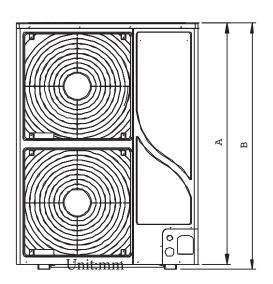


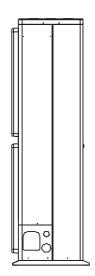
A5VR040/050/060/065/070/080DRM

Unit:mm

Model	Α	В	С	D	E	F	G	Н	1
A5VR040/050/060DRM	1196	1222	900	380	350	320	138	624	4-R7.5
A5VR065/070/080DRM	1328	1354	900	380	350	320	138	624	4-R7.5





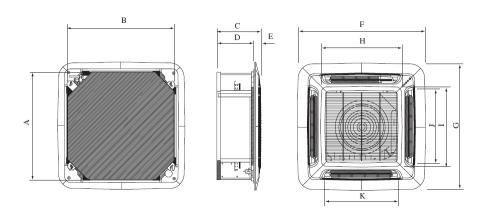




A5VCK028/036/045/056/071/080/090/100/112/125/140V

Unit:mm

Model	А	В	С	D	Е	F	G	J	К	L	М
A5VCK028/036/045/056/071V	820	820	340	265	55	990	990	627	627	607	607
A5VCK080/090/100/112/125/140V	820	820	390	335	55	990	990	627	627	607	607



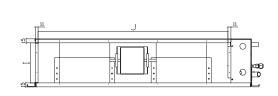
A5VCC022/025/028/032/036/040/045/050/056/063/071V (Ultra Thin)

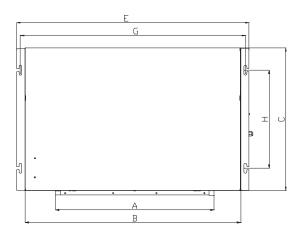
Unit:mm

Model	А	В	С	D	Е	F	G	Н	I	J	К	Fan Amount
A5VCC022V	661	900	599	199	962	150	940	412	169	794	163	2
A5VCC025/028/032/036V	763.5	900	599	199	962	150	940	412	169	794	163	2
A5VCC040/045/050/056V	780	900	599	199	962	150	940	412	169	794	163	2
A5VCC063/071V	963.5	1100	599	199	1162	150	1140	412	169	994	163	3

Note: return air inlet size is Inner-space size.

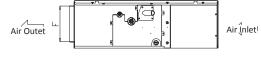
Back air return plenum:

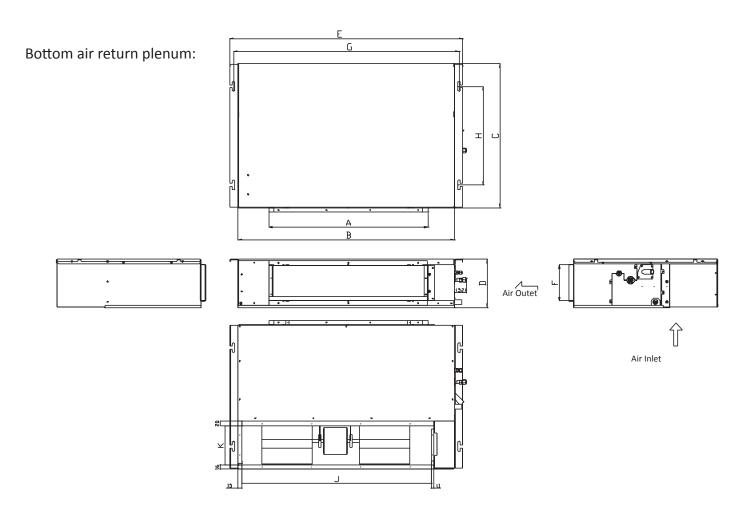








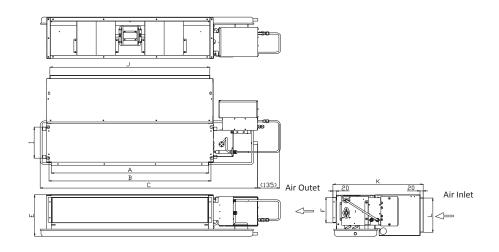




A5VCC080/090/100/112/125/140/160V (Standard Type)

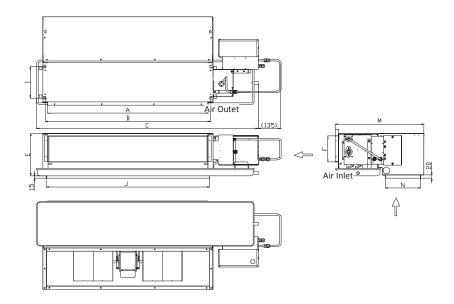
Unit:mm

															<u> </u>
Model	A	В	С	D	E	F	G	Н	I	J	K	L	M	N	Fan Amount
A5VCC080V	950	981	1314	1005	250	151	490	246	187	964	550	208	530	208	2
A5VCC090/100 /112/125V	1300	1331	1664	1355	250	151	490	246	187	1314	550	208	530	208	3
A5VCC140/160V	1560	1591	1924	1615	250	151	490	246	187	1574	550	208	530	208	4

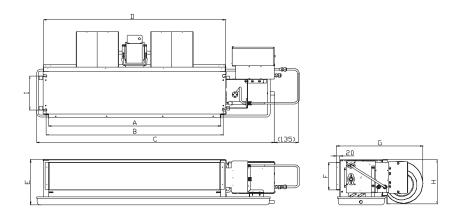




Bottom air return plenum:

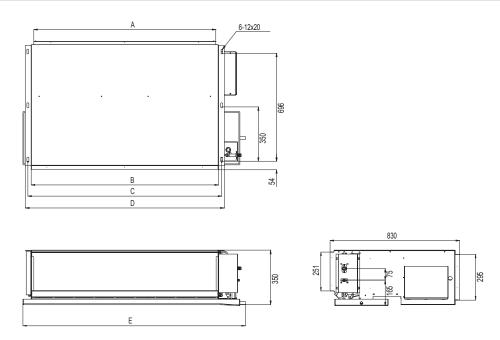


Free-stream air return plenum:



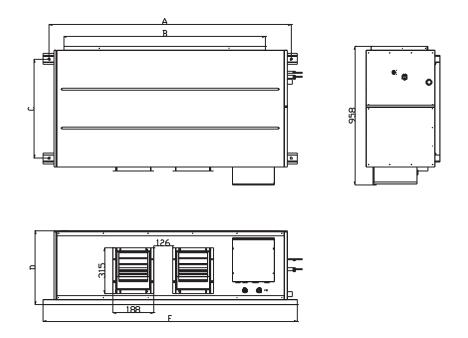
A5VDB125/140V Unit:mm

Model	А	В	С	D	Е	Fan Amount
A5VDB125V	950	1004	1044	1078	1227	2
A5VDB140V	1150	1204	1244	1278	1427	2



A5VDB224V Unit:mm

Model	А	В	С	D	Е	Fan Amount
A5VDB224V	1681	1399	687	515	1760	2

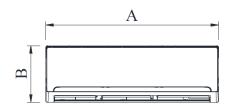




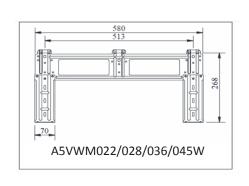
A5VWM022/028/036/045/056/071W

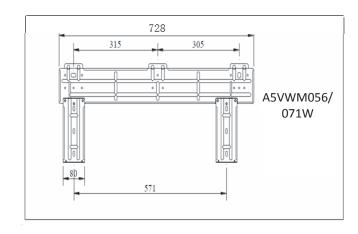
Unit:mm

Model	А	В	С
A5VWM022/028/036/045W	990	282	205
A5VWM056/071W	1080	304	221





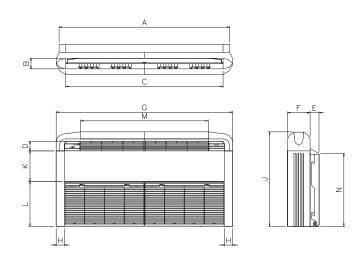




A5VCM056/071/112/125V

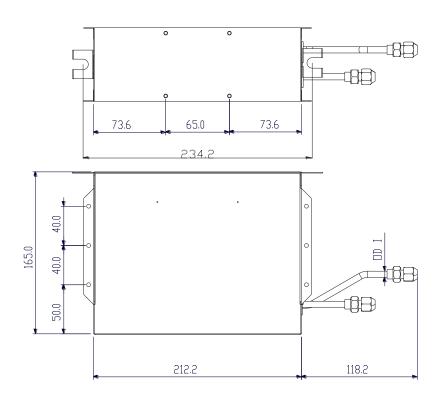
Unit:mm

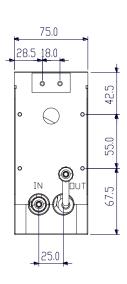
Model	А	В	С	D	Е	F	G	Н	J	K	L	М	N
A5VCM056V	1174	75	1082	68	58	156	1214	57	670	216	319	879	517
A5VCM071V	1174	75	1082	68	93	156	1214	57	670	216	319	879	517
A5VCM112/125V	1674	75	1582	68	93	156	1714	57	670	216	319	1379	517



EXV BOX OF INDOOR UNITS:

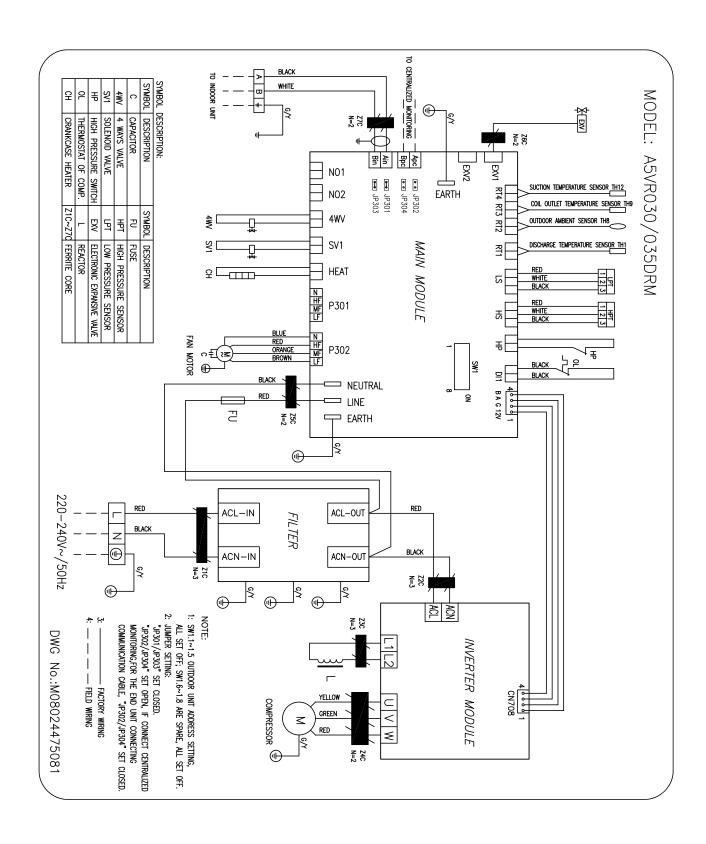
Model	AEX-15-2SAP-C/D,AEX-18-2SAP-C/D	AEX-22-3SAP-C/D,AEX-24-3SAP-C
OD I(mm(inch))	6.35 (1/4")	9.52 (3/8")

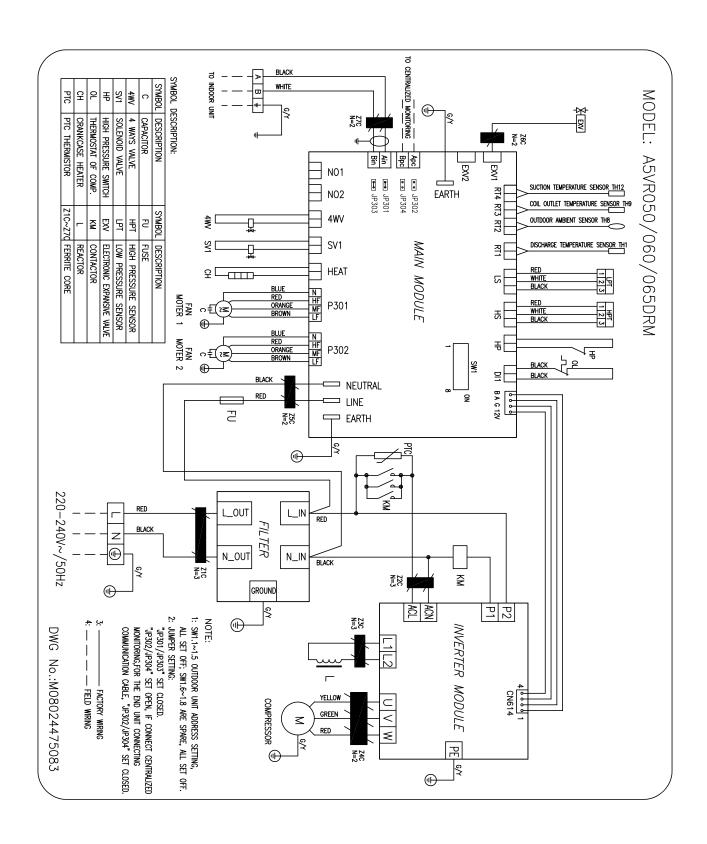




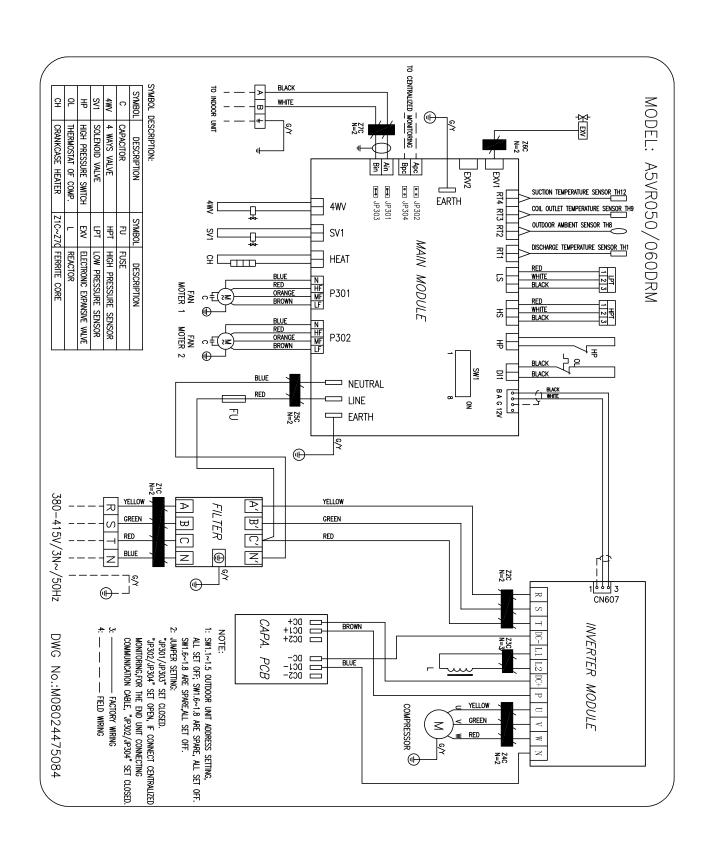


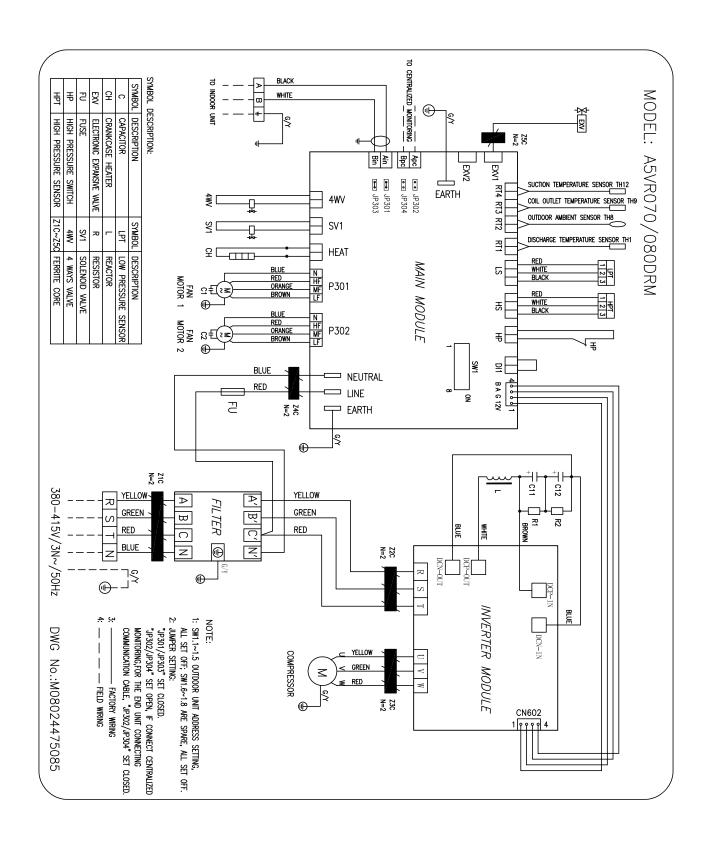
WIRING DIAGRAM





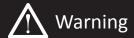








SERVICE & MAINTENANCE



Before maintenance service, please shut off the power supply and stop indoor and outdoor units

Indoor Unit Maintenance

Part	Maintenance Checking step	Times/month (Recommend)
Air filter	 Open the grille Take out the air filter Use brush to clean the air filter with below 40°C water After drying, the filter shall be loaded back in. Note: Do not use detergents such as gasoline, dehydrating, benzene substances or other chemicals. 	1
Front Panel	1. Get rid of the dust and dirt by using cloth and detergent, clean the panel. Note: Do not use detergents such as gasoline, dehydrating, benzene substances or other chemicals. Otherwise it will cause the plastic surface deformation.	1
Drain Pan and hose	 Check the drain pan and hose are clean or not, if it is dirty, clean it; Check there is no barrier for the condensing water flow out; Pay attention to dustproof anti-blocking when the pump is connected, and it needs cleaning on time to keep smooth flow. 	3
Evaporator	 Clean the dirt of fins; Clean any barrier for indoor air flow. 	1
Electrical Part	 Check the running ampere and voltage is normal or not; Check the electrical connection is fixed or loose. 	12

Indoor Unit Maintenance

Part	Maintenance Checking step	Times/month (Recommend)
Outdoor fan	Check the noise level	1
Outdoor condenser	 Clean the dirt of fins Remove any barrier which inhibit the air flow 	1
Compressor	Check whether compressor running with noise and vibrations	1
Electrical Part	 Check the whether running ampere and voltage is normal Check the electrical connection is fixed or loose Check the controller in normal working conditions 	1

Note:

- 1. Do not sprinkle water or use combustible sprays, to avoid fault, leakage of power and fire;
- 2. Do not expose or broil the filter under the sun when cleaning, otherwise it will lead to deformation.

Status Display Of Digital Tubes

Four 8-section 4-bit digital tubes (red) are configured for the outdoor unit. In the normal running status, the digital tube displays the current running mode or status. Once any fault occurs, the fault code is displayed first. If multiple faults occur, they are displayed in turn. For the specific fault codes, see "Troubleshooting".

Note: The digital tube will go out when you do not operate any button within 10 minutes. Normal display is return if any button is pressed. This restriction does not take effect when any fault occurs. The digital tube will display the fault continuously.

Meanings of displayed symbols on the digital tube

No	Icon	Content
1	NULL	NULL The outdoor unit is in the standby status.
2	rE5E	REST: The outdoor unit is in the reset status.
3	ESE	CST: The outdoor unit is in the cooling start process.
4	E D D L	COOL: The outdoor/indoor unit is in the cooling status.
5	ESP	CSP: The outdoor unit is in the cooling stop process.
6	45 E	DST: The outdoor unit is in the defrosting start status.
7	dEF	DEF: The outdoor/indoor unit is in the defrosting status.
8	d5P	DSP: The outdoor unit is in the defrosting stop status.
9	HSE	HST: The outdoor unit is in the heating startup process.
10	HERE	HEAT: The outdoor/indoor unit is in the heating status.
11	HSP	HSP: The outdoor unit is in the heating stop process.
12	<u> EESE</u>	TEST: Hardware testing mode.
13	Erro	ERRO: Common error of the outdoor unit.
14	OPEN	OPEN: Fully open the electronic expansion valve by force.
15	Er58	Outdoor unit DIP setting error/model setting error.
16	PRc R	PARA: button setting parameter menu.
17	600 E	BOOT: prompt in software upgrade.



18	<i>4</i> E <i>b</i>	dEb: button debugging parameter menu.
19	SPEC	SPEC: special button function menu.
20	NORE	NOAE: night noises reduction function.
21	FRE	FAC: Restore factory settings.
22	68Ud	BAUD:Set communication speed of units and PC.
23	PrEH	PreH: The compressor pre-heating status.
24	CFEE	CFEE: Set the function of household billing.
25	1 9 N D	IGNO: Leave alone the very unavailable unit.
26	FSP3	FSPD: Choose proper fan gear table (15/30).
27	SEPr	STPR: Set static pressure.
28	HSrE	HSRC: Set heat-pump or cool-only.
29	FrAL	FRAL: Whether the fire alarm is enabled.
30	FrEP	FRTP: Select the type of antifreeze.
31	rEFE	REFC: Into the cold media charging mode.
32	ErEF	CREF: Calculate the K value of refrigerant coefficient.
33	UrEF	UREF: Refrigerant filling and frequency conversion speed limit.
34	EFAN	EFAN:The fan of outdoor unit is regulated when the indoor units is in the stop status.

Basic Character Legends for Reference

Icon	Content	Icon	Content	Icon	Content
8	0/0	8	8	H	Н
1	1	3	9	L	L
2	2	R	А	П	N
3	3	Ь	В	P	Р
4	4	Ε	С		R
5	5/S	d	D	E	Т
5	6	E	E	IJ	U
7	7	F	F	4	Υ

TROUBLESHOOTING

If the following unit malfunction occurred, please follow the below simple checking step to fix:

Symptom	Analyses	Solution	
Compressor stop and fan work	Indoor temperature is higher (heating) or lower (cooling) than setting temperature	Re – set up the temperature	
normally	When heating and defrost mode, indoor unit is just running	Wait for 10minutes	
	Power is not on	Check and connect the power	
Units do not work	Set up the re-start function	Wait or cancel timer On	
	Fuse broken in main power supply	Replace the fuse	
Cooling or heating	Air filter too dirty	Clean or replace the filter	
not enough or too much	Barrier at return air	Remove the barrier	
Remote controller	Low battery	Replace the battery	
unreadable	Wrong installation of battery	Install properly	
Condensing water	Humidity too high	Dehumidify	
in front panel	Setting temperature too low	Set up the higher indoor temperature	

- If user unable to fix the problem, please contact the local service agent for assistance, meanwhile record the malfunction code by wired controller and indication light of units self-checking function. Following is the malfunction code could display in the wired controller. Indication light twinkle related to the code of malfunction.
- When a wired controller is used for control, it displays fault codes. The following table provides fault codes on the wired controller and lamp panel. When the PC software is used to monitor operating of the inverter air conditioner unit, the PC directly displays these fault causes. These codes make maintenance rather convenient, saving both time and expense. In addition, faults of the outdoor unit are also displayed on the digital tube of the outdoor unit control board. When characters in the table are displayed on the digital tube, see Basic Character Legends for Reference. (pg. 40)



NI -	Fault	Facility Description	Display	ed Fault of Lan	np Panel	
No	Code	Fault Description	HEAT	DRY/TIMER	SLEEP/FAN	
Fault	codes of th	ne indoor unit part:				
1	N0	Coil inlet sensor malfunction	On	On	Blinking	
2	N1	Coil middle sensor malfunction	On	On	Blinking	
3	N2	Coil outlet sensor malfunction	On	On	Blinking	
4	N3	Air return/room sensor malfunction	On	On	Blinking	
5	N4	Condensate pump (water level switch) malfunction	Blinking	Blinking	On	
6	N5	EEPROM storage malfunction of indoor unit	Blinking	On	On	
7	N8	Indoor unit and outdoor unit communication malfunction	On	Blinking	On	
8	N9	DIP malfunction	Blinking	On	On	
9	NA	Block running malfunction of the indoor electric motor	Blinking	On	On	
10	NC	The filter of the fresh air unit is blocked	On	On	Blinking	
11	NE	The environment temperature exceeds fresh-air unit's allowable range	Off	Blinking	Blinking	
Fault codes of the wired controller part:						
1	NB	Keypad malfunction of Wired controller	-	-	-	
2	NF	Wired controller and indoor unit communication malfunction	-	-	-	
3	N6	EEPROM storage malfunction of wired controller	-	-	-	
4	N7	Wired controller temperature sensor malfunction	-	-	-	
Fault	codes of th	ne outdoor unit part:				
1	A1	The indoor capacity exceeds outdoor's minimum allowable range	Off	Blinking	Blinking	
2	A2	Not existing model or wrong combination	Off	Off	Blinking	
3	А3	The indoor amount exceeds the maximum allowable quantity	Off	Off	Blinking	
4	A4	Driver board type is not suited to main controller	Off	Off	Blinking	
5	C0	DC busbar under-voltage	Off	Blinking	On	
6	C1	AC input under-voltage	Off	Blinking	On	
7	C2	AC input over-current stop	On	Blinking	Off	
8	C3	Input voltage sampling malfunction	Blinking	On	Off	
9	C4	DSP and PFC communication malfunction	Blinking	On	Off	
10	C5	Radiator/PIM sensor malfunction	Off	On	Blinking	

		7		1	1
11	C6	DSP and communication board communication malfunction	Blinking	On	Off
12	C7	Outdoor unit and drive board communication malfunction	Blinking	On	Off
13	C8	Compressor over-current alarm	-	-	-
14	C 9	Compressor weak magnetic protection alarm	Off	On	Blinking
15	CA	Radiator overheating alarm		-	-
16	CC	AC input over-current alarm	-	-	-
17	CD	EEPROM of drive board malfunction alarm	Off	On	Blinking
18	CE	Compressor1 over-current alarm	Off	On	Blinking
19	CF	Compressor2 over-current alarm	Off	On	Blinking
20	EO	System malfunction	Off	Off	Blinking
21	E1	Exhaust temperature sensor malfunction of Compressor1 (TH2)	Off	Blinking	Blinking
22	E2	Ultra-low superheat degree protection	Off	Blinking	Blinking
23	E3	4WV/CHECK VAVLE/EXV malfunction	Blinking	Blinking	Off
24	E4	Exhaust temperature sensor malfunction of Compressor2 (TH3)	Blinking	Blinking	Off
25	E5	Communication malfunction of household billing system and outdoor units	Blinking	Blinking	Off
26	E6	The indoor capacity exceeds outdoor's maximum allowable range	Off	Off	Blinking
27	E7	All indoor units and outdoor units communication malfunction	On	Blinking	On
28	E8	IPM over-current stop	On	Blinking	Off
29	E9	Compressor drive failure	On	Off	Blinking
30	EA	Compressor over-current	On	Off	Blinking
31	EB	Open phase of compressor drive input voltage	Off	Blinking	On
32	EC	IPM current sampling malfunction	On	Blinking	Off
33	ED	Radiator or PIM overheating stop	Off	On	Blinking
34	EE	Driver's PIM precharge failure	Off	On	Blinking
35	EF	DC busbar over-voltage	Off	Blinking	On
36	F0	Master communicate fail with No.0 Slave Unit	On	Blinking	On
37	F1	Master communicate fail with No.1 Slave Unit	On	Blinking	On
38	F2	Master communicate fail with No.2 Slave Unit	On	Blinking	On
39	F4	Wrong dial setting	Off	Blinking	Blinking
40	F5	Compressor1 discharge temperature exceeds allowed range	Off	Blinking	Blinking



41	F6	Compressor2 discharge temperature exceeds allowed range	Off	Blinking	Blinking
42	F7	Compressor1 current sensor malfunction	On	Blinking	Blinking
43	F8	Compressor2 current sensor malfunction	On	Blinking	Blinking
44	FA	Fire Alarm	Blinking	On	Blinking
45	H0	Stop malfunction due to ultra-low superheat degree of air exhaust	Off	Blinking	Blinking
46	H1	Temperature sensor malfunction of main subcool outlet (TH10)	Off	Blinking	Off
47	H2	Suction temperature sensor fault(TH12)	Off	Blinking	Off
48	Н3	Exhaust temperature sensor fault(TH1)	Off	Blinking	Off
49	H4	Temperature sensor malfunction of branch subcool outlet (TH11)	Off	Blinking	Off
50	H5	Outdoor heat exchanger coil outlet f malfunction (TH9)	Off	Blinking	Off
51	Н6	Outdoor environment sensor malfunction (TH8)	Off	Blinking	Off
52	H7	EEPROM storage malfunction of outdoor unit	Off	Off	Blinking
53	H8	High pressure over-high/over-low fault	Blinking	Off	Blinking
54	Н9	High pressure sensor malfunction	Blinking	Off	Blinking
55	НА	High pressure switch disconnection	Blinking	Off	Blinking
56	НВ	Low pressure over-low malfunction	Blinking	Off	Off
57	НС	Low pressure sensor malfunction	Blinking	Off	Off
58	HD	Alarm fault due to ultra-low superheat degree of air exhaust	Off	Blinking	Blinking
59	HE	Ambient temperature exceeding the allowed range	Off	Blinking	Blinking
60	HF	Exhaust temperature exceeding the allowed range OR exhaust temperature switch disconnection	Off	Blinking	Blinking
61	PO	FAN1: over-current	Blinking	Blinking	Blinking
62	P1	FAN1:IPM malfunction	Blinking	Blinking	Blinking
63	P2	FAN1: Drive stall	Blinking	Blinking	Blinking
64	Р3	FAN1: Lack phase	Blinking	Blinking	Blinking
65	P4	FAN1: Speed loss	Blinking	Blinking	Blinking
66	P5	FAN1: Over speed while startup	Blinking	Blinking	Blinking
67	P6	FAN1: Hall signal malfunction	Blinking	Blinking	Blinking
68	P7	FAN1: Hardware malfunction	Blinking	Blinking	Blinking
69	P8	FAN1: DC busbar under-voltage	Blinking	Blinking	Blinking
70	P9	FAN1:IPM overheating	Blinking	Blinking	Blinking
71	PA	FAN1:Communication malfunction	Blinking	Blinking	Blinking

72	РВ	FAN1: Fatal malfunction	Blinking	Blinking	Blinking
73	PF	Outdoor unit and drive board of fan1 communication malfunction	Blinking	Blinking	Blinking
74	U0	FAN2: over-current	Blinking	Blinking	Blinking
75	U1	FAN2:IPM malfunction	Blinking	Blinking	Blinking
76	U2	FAN2: Drive stall	Blinking	Blinking	Blinking
77	U3	FAN2: Lack phase	Blinking	Blinking	Blinking
78	U4	FAN2: Speed loss	Blinking	Blinking	Blinking
79	U5	FAN2: Over speed while startup	Blinking	Blinking	Blinking
80	U6	FAN2: Hall signal malfunction	Blinking	Blinking	Blinking
81	U7	FAN2: Hardware malfunction	Blinking	Blinking	Blinking
82	U8	FAN2: DC busbar under-voltage	Blinking	Blinking	Blinking
83	U9	FAN2:IPM overheating	Blinking	Blinking	Blinking
84	UA	FAN2:Communication malfunction	Blinking	Blinking	Blinking
85	UB	FAN2: Fatal malfunction	Blinking	Blinking	Blinking
86	UF	Outdoor unit and drive board of fan2 communication malfunction	Blinking	Blinking	Blinking
87	00	Communication malfunction with indoor unit 0#	On	Blinking	On
88	01	Communication malfunction with indoor unit 1#	On	Blinking	On
89			On	Blinking	On
90	63	Communication malfunction with indoor unit 63#	On	Blinking	On



Displayed normal operating status of the lamp panel:

	Silk-screen		(Ð	*		
A5VWM	Mode	Cool	Fan	Dry	Heat	Timing	Sleep
ASVVIVI	LED	•	•	•	•	0	
			Green		Red	Yellow	Red

	Silk-screen	Cool	Dry/Timing		Fan		Heat
A5VCC	Mode	Cool	Dry	Timing	Fan	Sleep	Heat
A5VDB	LED	0	0	•	0	0	
		Green					Red

A5VCK	Silk-screen	*	*	•	9	₹.)
	Mode	Cool	Heat	Dry	Timing	Fan	Sleep
	LED	0	•	0	0		
		Green	Red	Yellow		Red	

A5VCM	Silk-screen	*	•		<i>₹</i>		*
	Mode	Cool	Dry	Timing	Fan	Sleep	Heat
	LED	0	0	•	•	0	
		Green				Red	

• The following symptoms are not faults of the units:

Sometimes odorous gases blow out of units because tobacco smoke, cosmetic odor, and odors from furniture and electrical appliances are taken into the units. You may hear fizzles when the air conditioner is cooling, heating, started, or stopped. The sounds are generated when refrigerant flows in the unit.

ACSON MALAYSIA SALES & SERVICE SDN.BHD. (129688-D)

a member of **DAIKIN** group

Lot 4, Lorong 19/1A, Seksyen 19, 46300 Petaling Jaya,

Lot 4, Lorong 19/1A, Seksyen 15, 46500 Fetaling Saya, Selangor Darul Ehsan, MALAYSIA. Tel: +603 7964 8200 Sales Fax: +603 7956 9909 Sernice Fax: +603 7956 9907 Acson Careline: 1300 22 3344

Penang : +604-5377 176 Perak : +605-3129 828 Melaka : +606-2926 196 Pahang : +609 5178 696 Kelantan : +609-7733 688 Sarawak : +6082-344 128 Johor : +607-3551 599 Sabah : +6088-420 205 Authorized Dealer:

Products manufactured in an ISO certified facility.
This document contains the most current product information as of this printing.
For the most up-to-date product information, please logon to www.acson.com.my

TM-A5VR-DRM www.acson.com.my