

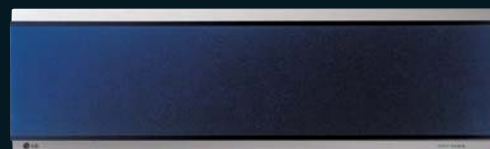
LG

Inverter Single

50Hz(R410A)
5RMI0-03A

TOTAL HVAC SOLUTION PROVIDER

ENGINEERING PRODUCT DATA BOOK



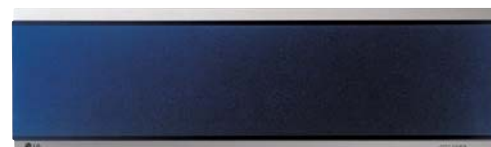
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ENGINEERING PRODUCT DATA BOOK



Inverter Single

Inverter Single-50Hz(R410A)

- 1. Models line up**
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- 6. Wiring diagrams**
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Inverter Single

Test condition of international standard

CLASSIFICATION			KSC 9306	ISO 5151	ARI 210/240	AHAM	AS 1861.1	SSA 385
Cooling Capacity	Indoor	DB°C(°F)	27.0	27.0	26.7(80)	26.7(80)	27.0	29.0
		WB°C(°F)	19.5	19.0	19.4(67)	19.4(67)	19.0	19.0
	Outdoor	DB°C(°F)	35.0	35.0	35.0(95)	35.0(95)	35.0	46.0
		WB°C(°F)	24.0	24.0	23.9(75)	23.9(75)	24.0	24.0
Heating Capacity	Indoor	DB°C(°F)	20.0	20.0	21.1(70)	21.1(70)	20.0	21.0
		WB°C(°F)	15.0	15.0	15.6(60)	15.6(60)	15.0	15.5
	Outdoor	DB°C(°F)	7.0	7.0	8.3(47)	8.3(47)	7.0	7.0
		WB°C(°F))	6.0	6.0	6.1(43)	6.1(43)	6.0	6.0
Maximum Cooling Operating	Indoor	DB°C(°F)	32.0	32.0	26.7(80)	32.2(90)	32.0	29.0
		WB°C(°F)	23.0	23.0	19.4(67)	22.8(73)	23.0	19.0
	Outdoor	DB°C(°F)	43.0	43.0	46.1(115)	43.3(110)	43.0	54.0
		WB°C(°F)	26.0	26.0	23.9(75)	25.6(78)	26.0	24.0
Maximum Heating Operating	Indoor	DB°C(°F)	27.0	27.0	26.7(80)	26.7(80)	-	-
		WB°C(°F)	19.0	19.0	19.4(67)	22.8(73)	-	-
	Outdoor	DB°C(°F)	21.0	24.0	23.9(75)	23.9(75)	-	-
		WB°C(°F)	15.0	18.0	18.3(65)	18.3(65)	-	-
Enclosure Sweat / Condensate Disposal	Indoor	DB°C(°F)	27.0	27.0	26.7(80)	26.7(80)	27.0	27.0
		WB°C(°F)	24.0	24.0	23.9(75)	23.9(75)	24.0	24.0
	Outdoor	DB°C(°F)	27.0	27.0	26.7(80)	26.7(80)	27.0	27.0
		WB°C(°F)	24.0	24.0	23.9(75)	23.9(75)	24.0	24.0
Freeze-up/ Low Temperature	Indoor	DB°C(°F)	21.0	21.0	19.4(67)	21.1(70)	21.0	21.0
		WB°C(°F)	15.0	15.0	13.9(57)	15.6(60)	16.0	16.0
	Outdoor	DB°C(°F)	21.0	21.0	19.4(67)	21.1(70)	21.0	21.0
		WB°C(°F)	15.0	15.0	13.9(57)	15.6(60)	16.0	16.0

KS : Korea Standard

ISO : International Standard Organization

ARI : Airconditioning and Refrigeration Institute

AHAM : Association of Home Appliance Manufacturers

AS : Australia Standard

SSA : Saudi Arabian Standard

Inverter Single

General Description

Split type of Air conditioners are known by the category name of Wall Mounted Type of units. These units can be easily installed in a small space and have exceptional Cooling capacity. Designed for Low-noise operation, it ensures a pleasant air conditioned environment.

LG Offers various types of units to its customers to suit for the best application and requirement. The following are the important categories offered by LG :

- 1) General Wall Mounted Type Units : Units with Simplicity in design.
- 2) Art Cool Units : A new concept of cooling introduced by LG in the field of Air Conditioning.
- 3) Inverter Units : These units are capable of minimising the Power consumption with the unique inverter technology.

Some of the Important Features of these units are listed below :

- 1) Providing Health to the Customers : By having the Filters such as Plasma Filter which is capable of removing the Micro Organisms up to 0.1 microns.
- 2) Long Term Money Saving : By providing Features such as Gold Fin, Auto Clean etc. to maintain the same performance for the years.
- 3) Best Comfort : With Features such as Sleep Mode, Timer, Auto Restart etc.

The Units are available with many standard and optional features which gives our Customers the free choice to select the unit of their own desire. For details refer to the Detailed specification followed after this description.

LG Electronics Inc.
Air Conditioning Company

PDB No.	Applied Model	Notes	Publication in
5RMI0-01B	S09AF / S12AF	Change spec sheet (Delete Plasma filter)	Nov. 2010
5RMI0-02A	CA09AW*/ CA12AW* CA18AW*/ CA24AW* E09SQ/ E12SQ E18SQ/ E24SQ S09BF/ S12BF	Add '11 new models	Jan. 2011
5RMI0-02B	S09BF /S12BF	Delete models made in Turkey	Jun.2011
R5MI0-03A	H09MW/H12MW S09MH/ S12M	Add '12 new models	Jan. 2012

Inverter Single

1. Models Line up

1.1 Indoor Unit

Indoor Type \ kW (kBtu/h)	2.50(9)	3.50(12)	5.28(18)	7.03(24)	8.0(30)	9.0(36)
Hvper 	ASNW096MMF0 (H09MW NM0)	ASNW126MMF0 (H12MW NM0)				
Super Inverter  Maestro  Libero	ASNW096BMS0 (S09AQ NB0) ASNH09GB1U0 (CS09AQ NB0)	ASNW126BMS0 (S12AQ NB0) ASNH12GB1U0 (CS12AQ NB0)	ASNH18GC2U0 (CS18AQ NC0)	ASNH24GC2U0 (CS24AQ NC0)		
Libero ARTCOOL  *:R - Mirror  *:V - Silver  *:W - White	ASNH09GB*U0 (CA09AW* SB0) ASNH09GE*U3 (CC09AW* NE3)	ASNH12GB*U0 (CA12AW* SB0) ASNH12GE*U3 (CC12AW* NE3)	ASNH18GC*U0 (CA18AW* SC0) ASNH18G8*U3 (CC18AW* N83)	ASNH24GC*U0 (CA24AW* SC0) ASNH24G8*U3 (CC24AW* N83)		
ART COOL 	ASNW096F1G2 (A09AW1 NF2)	ASNW126F1G2 (A12AW1 NF2)				
ART COOL  Red  Gold  Silver	ASNW096F*G2 (A09AW* NF2)	ASNW126F*G2 (A12AW* NF2)				
Wall Mounted Type 	ASNW096HDW0 (S09AF NH0) ASNH09GHDW0 (CS09AF NH0)	ASNW126HDW0 (S12AF NH0) ASNH12GHDW0 (CS12AF NH0)				
Wall Mounted Type 	ASNH09GB4W0 (E09SQ SB0)	ASNH12GB4W0 (E12SQ SB0)	ASNH18GC4W0 (E18SQ SC0)	ASNH24GC4W0 (E24SQ SC0)		
Mega Hit 	ASNW096WSA0 (S09MH NW0)	ASNW126BSA0 (S12MH NB0)				
Wall Mounted Type 			ASNW1865DU3 (S18AW N53)	ASNW2465DU3 (S24AW N53)		
Wall Mounted Type 					ASNW306DGM0 (S30AW ND0)	ASNW366DGM0 (S36AW ND0)

* Denotes the color or the picture used on the front grille of the unit (refer to the Nomenclature section)

Inverter Single

1. Models Line up

1.2 Outdoor Unit

DC Inverter SINGLE A₁ (1Ø)

Heat pump		ASUW096EUU3 (CC09AWU UE3) ASUW096FUG2 (A09AWU UF2)	ASUW126EUU3 (CC12AWU UE3) ASUW126FUG2 (A12AWU UF2)
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	2.50	3.50
	kBtu/h	9	12
Power supply		1ø, 220-240V, 50Hz	
Chassis		 UL	

Heat pump		ASUW1868UU3 (CC18AWU U83) ASUW1865DU3 (S18AW U53) ASUW186C2U0 (S18AQU UC0)	ASUW366DGM0 (S36AW UD0)
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	5.28	10.55
	kBtu/h	18	36
Power supply		1ø, 220-240V, 50Hz	
Chassis		 UE	 UE2

Inverter Single

1. Models Line up

Heat pump		ASUW2468UU3 (CC24AWU U83) ASUW2465DU3 (S24AW U53) ASUW246C2U0 (S24AQU UC0)	ASUW306DGM0 (S30AW UD0)
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	7.03	8.79
	kBtu/h	24	30
Power supply		1ø, 220-240V, 50Hz	
Chassis		 INVERTER V UE1+	

Heat pump		ASUW096HDW0 (S09AF UH0) ASUW096B4W0 (E09SQU UB0) ASUW096WUL0 (S09MH UW0)	ASUW126HDW0 (S12AF UH0) ASUW126B4W0 (E12SQU UB0) ASUW126BUL0 (S12MH UB0)
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	2.50	3.50
	kBtu/h	9	12
Power supply		1ø, 220-240V, 50Hz	
Chassis		 INVERTER V UA3	

DC Inverter High Efficiency models(1Ø)

Heat pump		ASUW096BUS0 (S09AQ UB0) ASUW096MMF0 (H09MW UM0)	ASUW126BUS0 (S12AQ UB0) ASUW126MMF0 (H12MW UM0)
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	2.50	3.50
	kBtu/h	9	12
Power supply		1ø, 220-240V, 50Hz	
Chassis		 INVERTER V UL2	

2. Nomenclature

• Europe Model Number

A S - W 0 9 6 F 1 G 2

Serial Number

Function

F : Plasma + (A / Changeove) + A / Clean + Low A +

G : Plasma + (A / Changeove) + A / Clean + Low A

M : Plasma + (A / Changeove) + A / Clean + 4way

S : Eco eye + Plasma + Allergy Filter + 4way

U : Plasma + Allergy Filter + 4way

W : Allergy Filter + 2way

A : Basic

Look/Color

CHASIS	LOOK	Classification
S5	D	Panel Type (Deluxe)
S8	*	Mirror / Silver / Blue
SB	1	Libero R (White+Silver deco)
	4	Libero E (White panel)
	*	Mirror / Silver / White
SC	2	Libero R (White+Silver deco)
	4	Libero E (White panel)
	*	Mirror / Silver / White
SM	M	Libero R (Patten)
SW	S	Panel Type (Deluxe)

Chassis name

Ex) 'B' : SB, 'C' : SC, '5' : S5, '8' : S8

Electric Ratings

6 : 1Ø, 220-240 V, 50 Hz

G : 1Ø, 220-240 V, 50 Hz / 1Ø, 220 V, 60 Hz

Capacity

Ex) '09' → 9,000 Btu/h Class

Model Type

C : Cooling Only

H : Heat Pump

Q : DC Inverter C/O

W : DC Inverter H/P

Supply method dividing and Type

- : SET

N : Indoor Unit

U : Outdoor Unit

Product type

S : Split

Refrigerant type & code

L : R22

A : R410A

Inverter Single

3. Features & Benefits

LG Air Conditioners are environment-friendly and future-oriented.

LG air conditioners are environment-friendly and future-oriented.

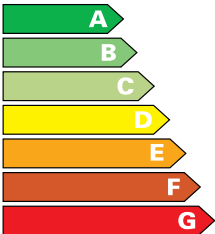
To reduce freon gas, a prime ozone destroyer, we adopted an alternative refrigerant R-410A, and neo plasma air-purifying system for powerful sterilization for health-conscious customers. Also, ARTCOOL series with outstanding designs have received International Forum Design Award and Reddot Design Award.

These air-conditioners have improved air flow innovatively to realize world's lowest noise, and provide a more pleasant and convenient indoor environment.

Environmental concern 2008

As the concern for environment increases day by day, EC Directive made it a regulation to put an indication on all air conditioning products. With the information regarding energy-saving, customers will easily understand products considering the environment.

Customers will have to purchase the products considering the energy label to meet their needs. Energy label shows the energy consumption of the unit classified with 7 different colors.

Energy		Air-conditioner
Manufacturer Outside unit inside unit		
More efficient 		
Less efficient Annual energy consumption, kWh in cooling mode (Actual consumption will depend on how the appliance is used and climate) Cooling output kW Energy efficiency ratio Full load (the higher the better)		
Type	Cooling only — Cooling + heating — Air cooled — Water cooled —	
Heat output	heating performance A: higher G: lower	
Noise	(dB(A) re 1 pW)	
Further information is contained in product brochures		
Air-conditioner Energy Label Directive 2002/31/EC		

Energy Efficiency Class of The Unit In Cooling Mode :

A	$EER > 3.20$
B	$3.20 \geq EER > 3.00$
C	$3.00 \geq EER > 2.80$
D	$2.80 \geq EER > 2.60$
E	$2.60 \geq EER > 2.40$
F	$2.40 \geq EER > 2.20$
G	$2.20 \geq EER$

Energy Efficiency Class of The Unit In Heating Mode :

A	$COP > 3.60$
B	$3.60 \geq COP > 3.40$
C	$3.40 \geq COP > 3.20$
D	$3.20 \geq COP > 2.80$
E	$2.80 \geq COP > 2.60$
F	$2.60 \geq COP > 2.40$
G	$2.40 \geq COP$

3. Features & Benefits

DC Inverter?

You may have heard the excitement about Inverter technology, LG Inverters are the pinnacle of energy efficiency due to the innovative operation. Rather than using a constant speed compressor, the LG Inverter system uses a variable speed compressor, which means the Cooling or Heating capacity of the Air Conditioning can be varied to suit Indoor conditions.

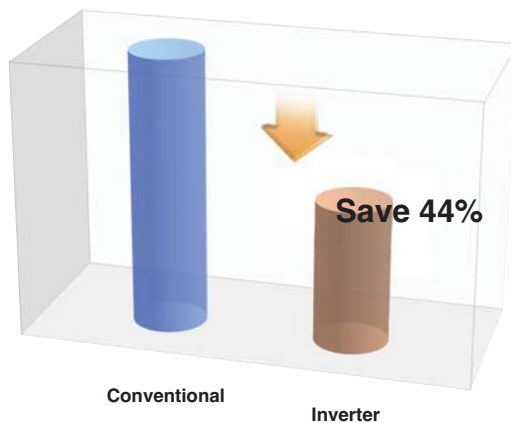
This makes the LG Inverter Units more economical & efficient to operate, produce less noise than standard counterparts and contain most superior features on the market. All LG Inverter units have the major benefits including premium features like

Economical

■ Energy Saving

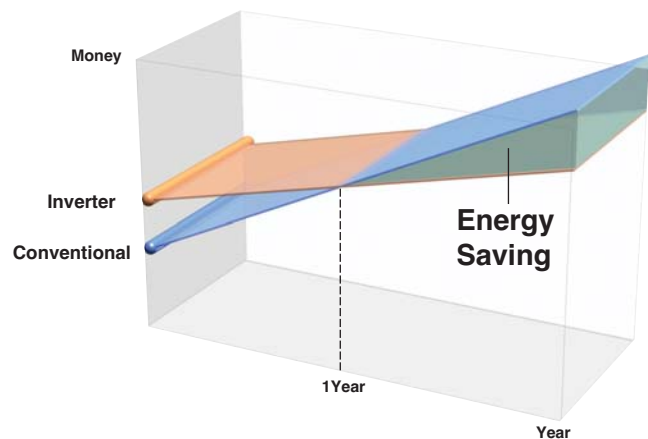
Unlike ordinary Conventional air conditioners, inverter air conditioners can control the speed of compressors to adjust cooling and heating.

When indoor temperatures reach your desired levels, inverter air conditioners can operate their compressors at low speeds and maintain desired temperatures, thus saving you electricity cost by about 44% compared to conventional.



■ Recouping the Initial Investment Cost

Though the initial purchase price is a little higher, in case you use an inverter air conditioner in the long term, you can reduce electricity cost to save on the whole investment and management costs.



Energy Saving!

Low Noise!

**Powerful
Cooling & Heating!**



Inverter Single

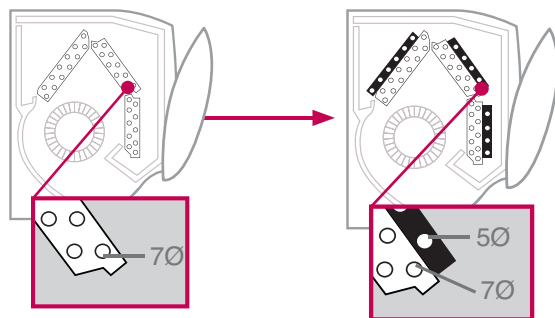
3. Features & Benefits

Supreme Energy Efficiency

■ 3 Column Hybrid Heat Exchanger

Previous - 2 Columns

New - 3 Columns



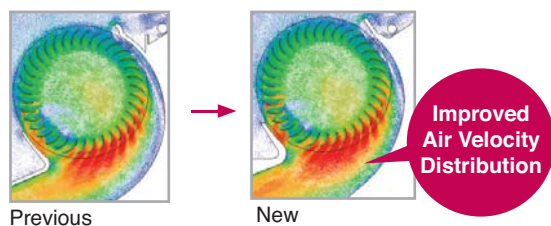
Improved energy efficiency by application of 3 column hybrid heat exchanger

- The efficiency of the heat exchanger has been greatly enhanced by adding an additional column to the hybrid heat exchanger which increased the surface area.
- The loss of heat has been reduced by using tubes of varying diameter.

■ Improved Skew Fan

By reducing the second vortex which decreases airflow within the air outlet and enlarging the fan size, the amount of airflow is increased from 12 CMM to 15.5 CMM.

Streamline Constructed Air Outlet



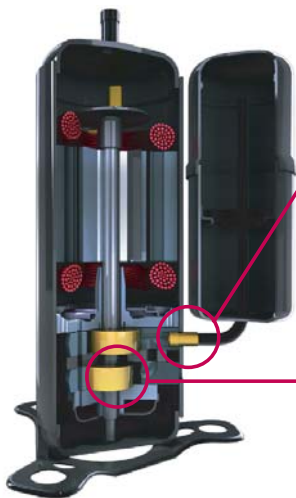
Low  High
(Air Volume)

Increased Fan Size



3. Features & Benefits

■ High Efficient Twin Rotary Compressor



1 Suction Rotary Compressor

The number of suctions have been reduced from two to one to increase the efficiency of refrigerant compression during the low speed range, which is the most used range.

Motor Efficiency

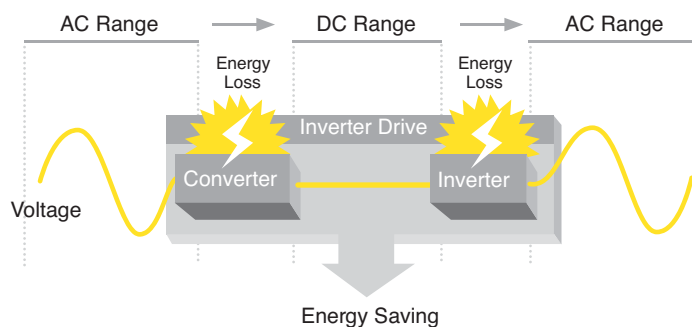
The DC motor in LG air conditioner boasts of world's highest level efficiency.

■ Improved Inverter Drive Efficiency

The advanced inverter drive minimizes energy loss and keeps the efficiency level high at 95%.

How It Works

While energy loss is incurred in the process of switching voltage between AC & DC, inverter drive keeps this loss minimal for improved energy efficiency

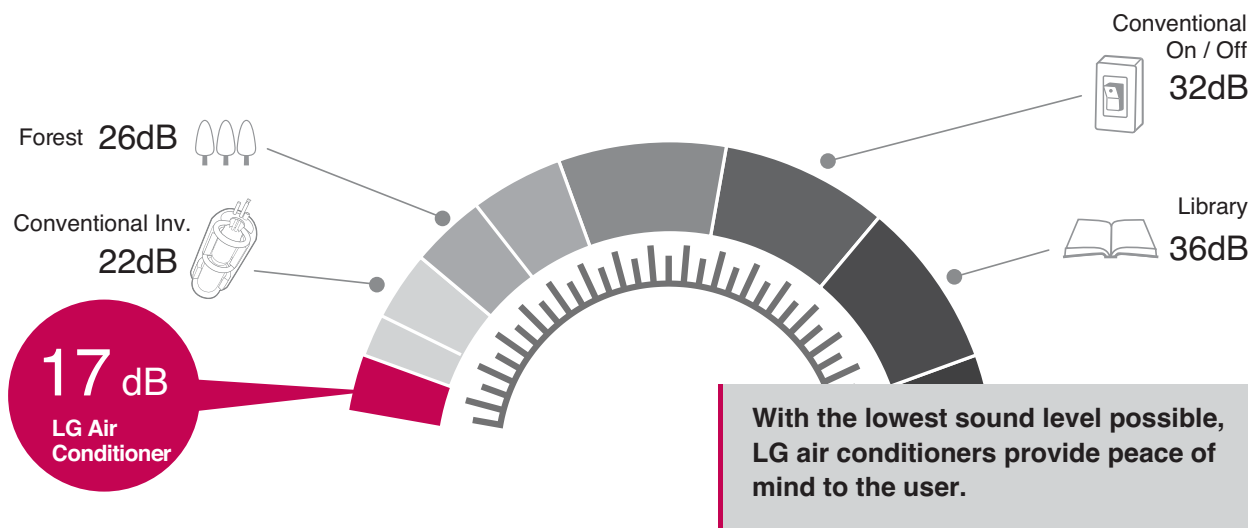


Inverter Single

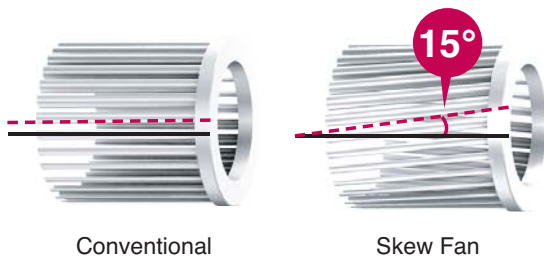
3. Features & Benefits

Complete Silence

■ Low Noise 17dB

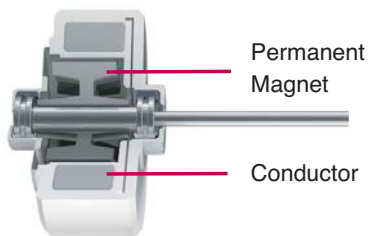


■ LG Unique Skew Fan



By minimizing the surface pressure of the fan blade when in contact with the air, the peak noise is reduced to a level that is among the lowest in the world.

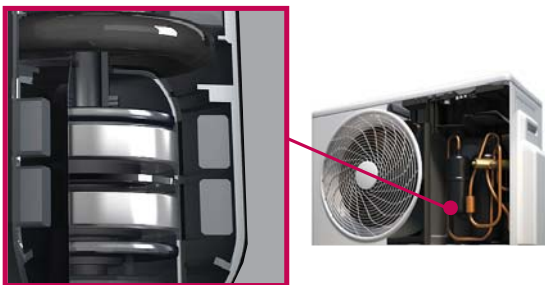
■ BLDC Fan Motor



With strong torque and powerful ND magnetism inside the rotor, the BLDC motor provides large air volume and high static pressure.

Precise speed control provides 13 different steps which makes operation smoother. Both electrical and mechanical noise is more silent, and high speed operation is available.

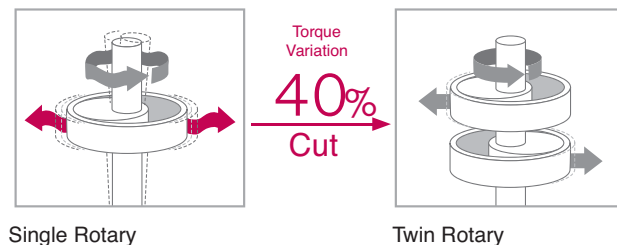
■ Low Vibration Compressor



With a unique design that reduces the vibration of the twin rotary compressor while simultaneously applying double cam, the torque variation is reduced by 40% than a single rotary compressor.

Single Rotary VS Twin Rotary

The balanced stability of twin rotary compressor keeps the vibration minimal.



Inverter Single

3. Features & Benefits

Perfect Health Care

■ *Plasmaster Ionizer*

Plasmaster ion particles sterilize the aerial bacteria and other harmful substances



Over 2 million clusters of polarized ions provide 99% sterilization for cleaner and safer air.

Sterilization Performance Evaluations

Bacteria Inactivation

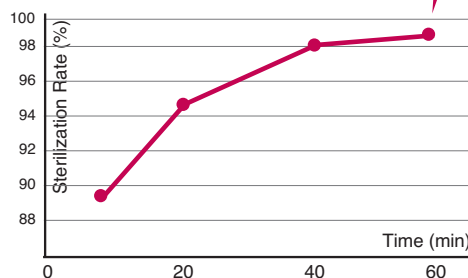


Release of Ions



99% Sterilization

TEM picture of inactivity caused by metamorphosis of protoplasm on cell membrane (Seoul National University, 2010.10)



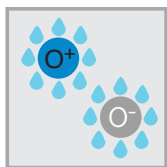
Test Conditions

Space : 52m3 Chamber /

Bacteria : E.coli_Colon Bacillus

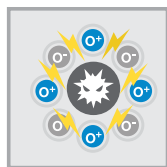
Fan Speed : High / Room Temperature and Humidity

How it works



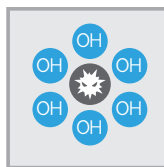
Step 1

(+)(-) Ion clusters are generated by polar bonding H₂O molecules in the air



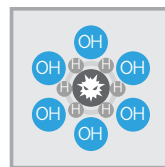
Step 2

Ions surround numerous harmful substances such as germs, bacteria, and virus



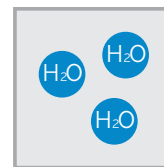
Step 3

OH radical is produced through chemical reaction



Step 4

OH radicals react with harmful substances



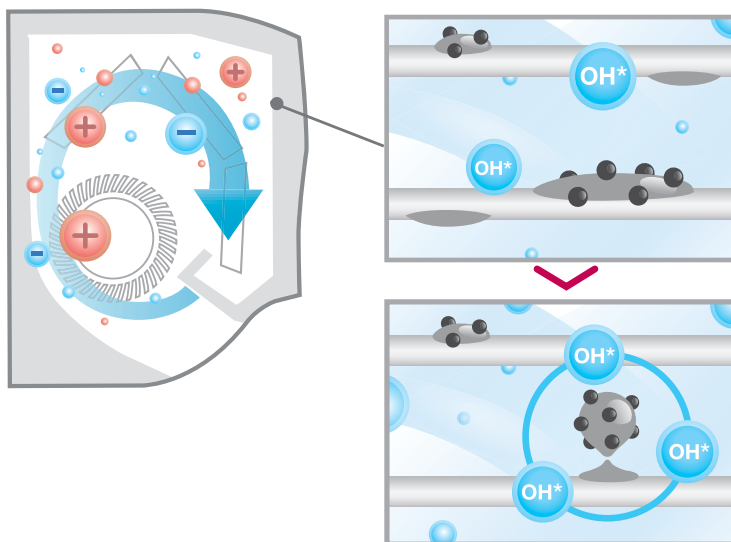
Step 5

Substances are transformed into H₂O molecules and leaves indoor air fresh

3. Features & Benefits

■ Auto Cleaning

The interior of the air conditioner is maintained clean by drying off the heat exchanger, then sterilizing the interior once more with nano plasma ions.



- Interior of air conditioner dried out automatically after use
- Ion sterilization function removes germs and mold

Conventional VS Auto Cleaning

Conventional



The main causes of odor within air conditioners are molds and bacteria in the heat exchanger, which breeds themselves when the heat exchanger is wet.

Auto Cleaning



The automatic cleaning function dries the wet heat exchanger to prevent the breeding of molds and bacteria. It eliminates the odor from air conditioners and save the users from discomfort of having to frequently clean the filter.

Certification List

The innovative and diverse functions of the LG Plasmaster has been tested and certified by various world renowned organizations.

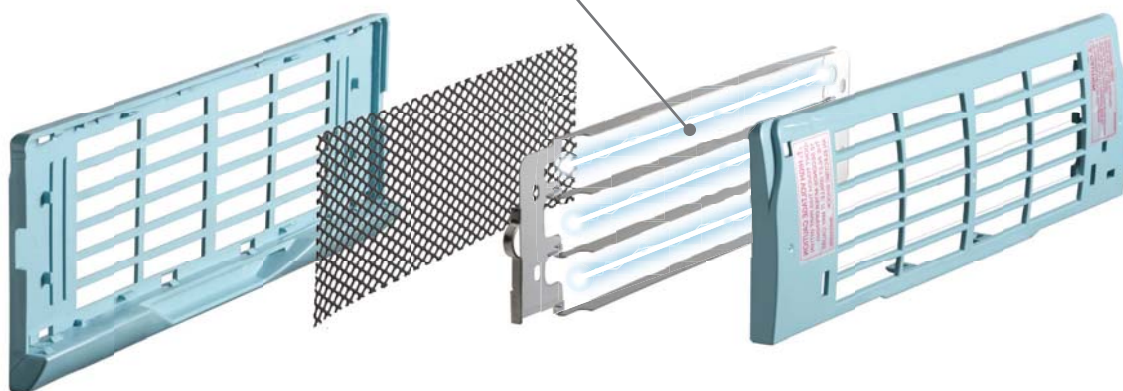
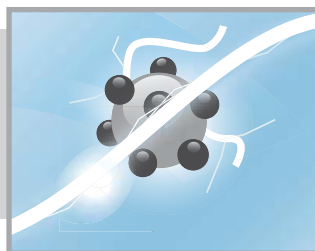
Bacteria	Colon Bacillus	100%	 Korea Food & Drug Administration	Bacteria	Staphylococcus	99.8%	 Korea Institute of Construction Materials
	Staphylococcus	99.8%			Salmonella	97.97%	
	Pseudomonas Aeruginosa	99.9%			Campylobacteria	81.2%	
	Pneumonia	98.7%					
	Salmonella	99.5%					
	MRSA	99%	 Seoul National University, Korea (2011)	Allergen	Allergen	96.09%	Auburn University, USA
	Encephalomeningitis	95%		Safety	Acute Toxic Inhalant Evaluations	Intoxic	 Korea Conformity Laboratories (2010)
	H1N1	96%					
	Adeno Virus	96%					

Inverter Single

3. Features & Benefits

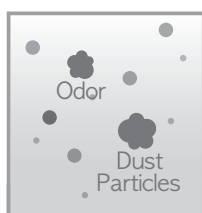
■ *Plasmaster Filter*

Tiny dust particles are incinerated and eliminated when captured by electric field.

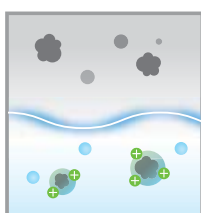


- The plasma air purifying system can reduce microscopic contaminants and dust. This filter removes house mites, micro dust, and pet fur in order to protect user from allergy and asthma symptoms.

How it works

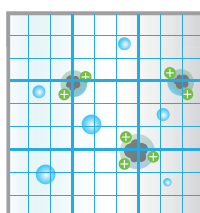


Polluted Air



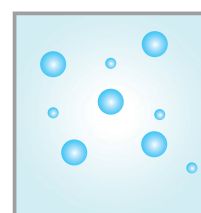
Ionizing

Dust Charging (+)
Odor Decomposition



Filtering

Filtering of Dust by
Coulomb Force



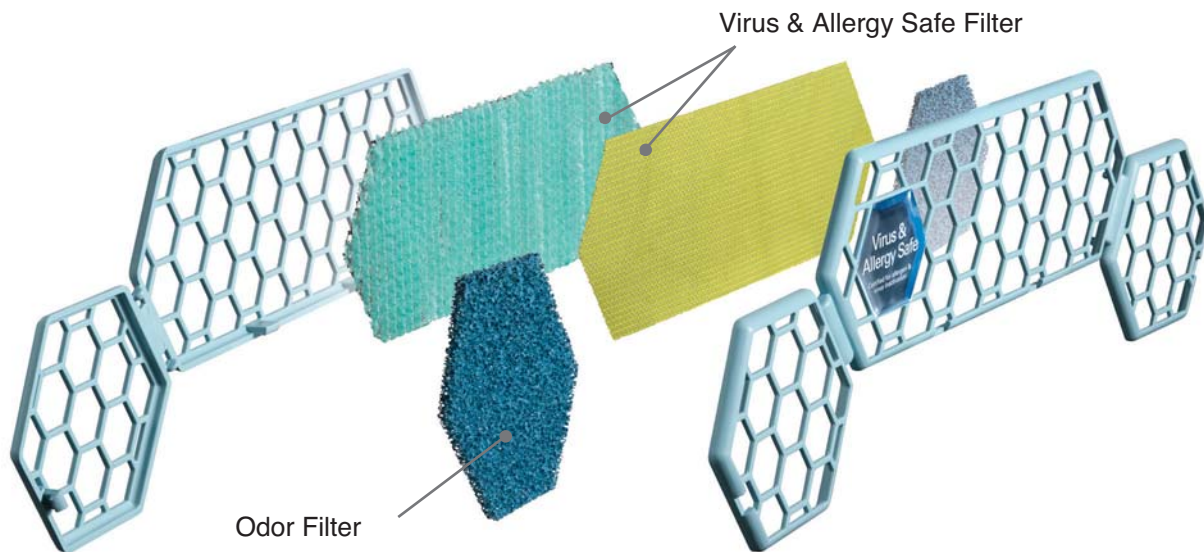
Deodorizing

Clean Air

3. Features & Benefits

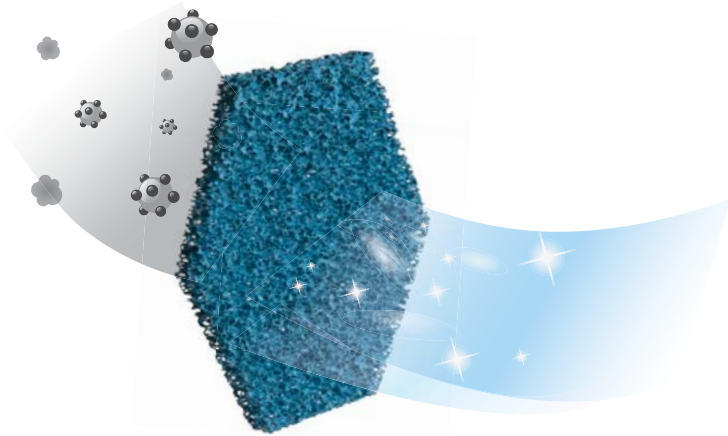
■ Honeycomb Filtration System

By providing maximum space with minimum material, honeycomb is the most efficient design which creates maximum filtration space while being stable and balanced in structure.



Odor Filter

Common odor filter removes ordinary odors that cause migraine and chronic fatigue.



Inverter Single

3. Features & Benefits

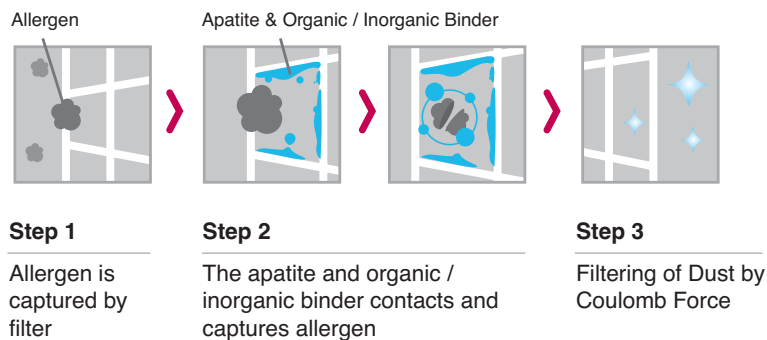
■ Virus & Allergy Safe Filter

Virus Protein Deactivation

LG Virus & Allergy Safe Filter blocks neuramidase and hemagglutinin, which is activated when the virus breaks up from host cell to proliferate.

Allergy Filter

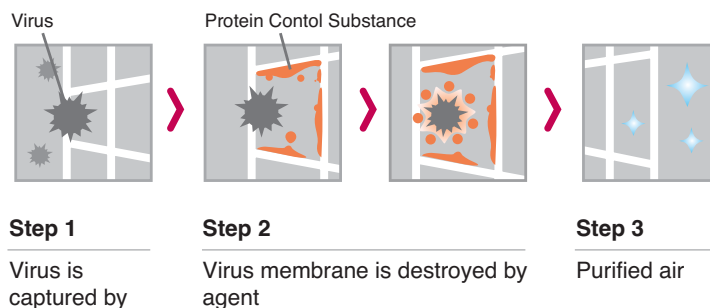
Allergy care filter coated with allergy decomposition substance



Certified by British Allergy Foundation (2009.01)

Virus Filter

Sterilizing filter with anti-virus coating

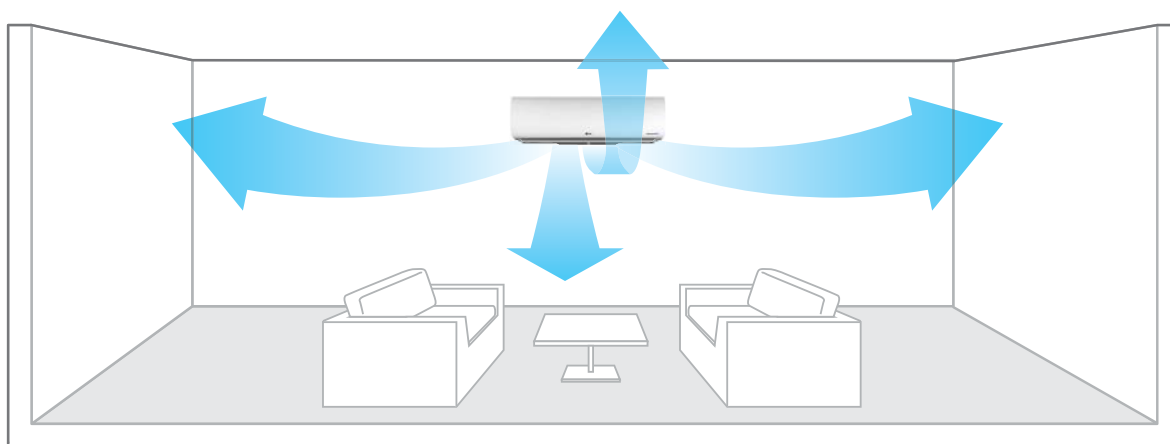


Certified by Kitasato Institute

Optimized Airflow

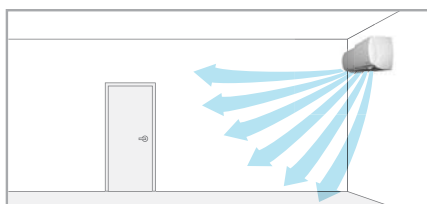
■ *Optimized Airflow*

4-way swing disperses cool air quickly and effectively in multiple directions to each corner of the room.

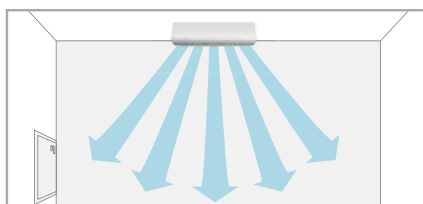


- Direction of horizontal vane can be adjusted from step 1 to step 6 with full auto swing. This function can cool specific areas much faster.
- Direction of vertical louver can be adjusted from step 1 to step 5, left & right, with full auto swing. This function also allows the air conditioner to cool specific areas in only a short period of time.
- 4-way swing provides optimized airflow regardless of your location in the room.

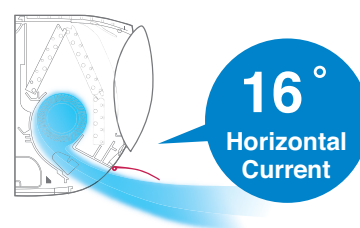
6 Step Vertical Vane



5 Step Horizontal Louver



Optimized Airflow



Inverter Single

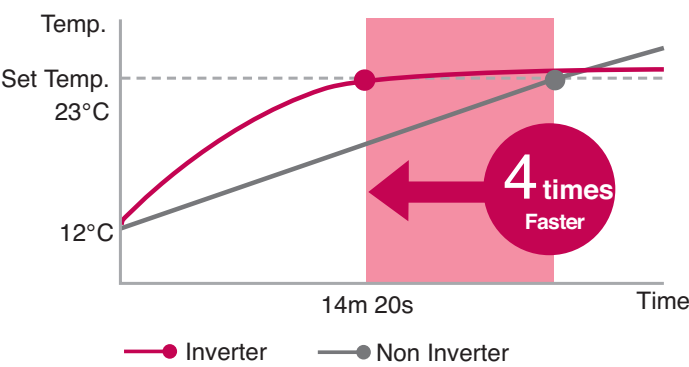
3. Features & Benefits

Heating

■ Instant Comfort

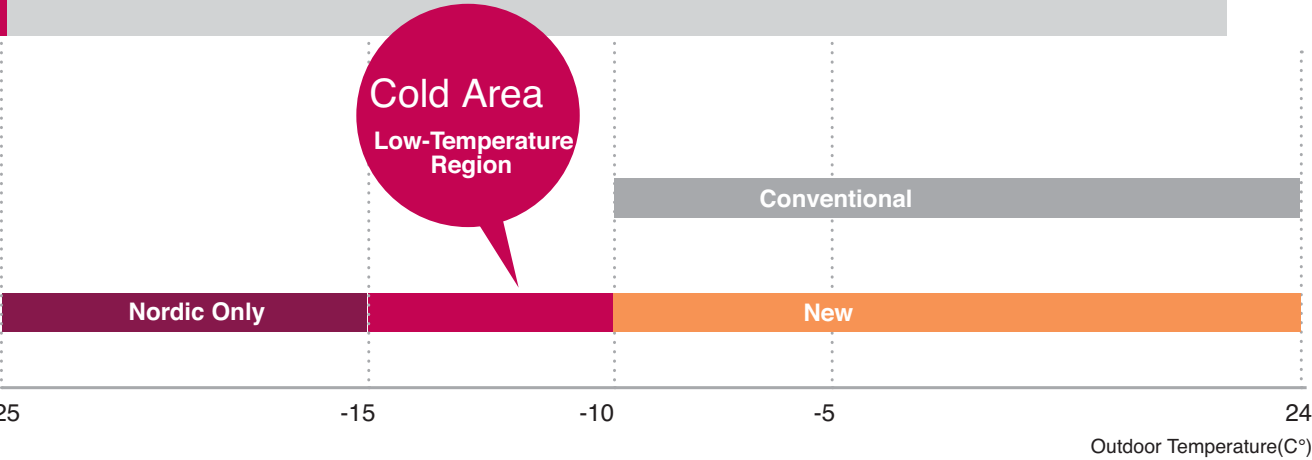
Prompt heating of the room is enabled by reaching the designated room temperature in a shorter period of time.

Quick Heating
 Reaching the set temperature is 4 times as faster than other air conditioners.



■ Wide Heating Range

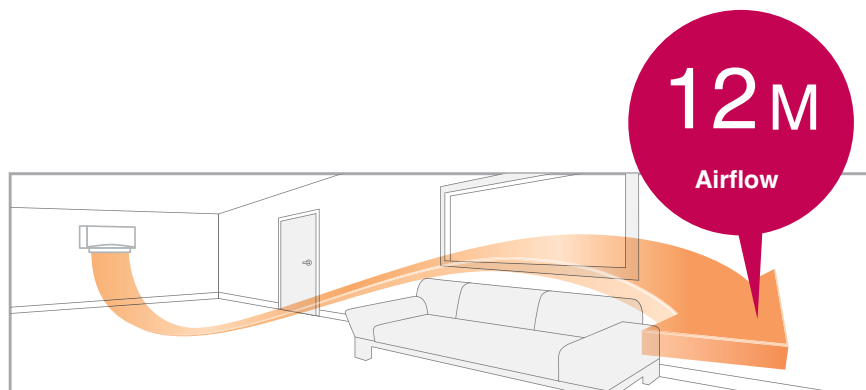
With a wider operating range in heating models, LG inverter air conditioners will heat your room effectively and efficiently in extreme outdoor temperature conditions.



■ *Optimized Airflow*

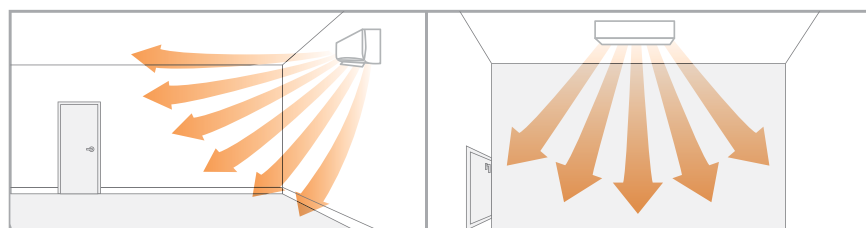
12M Powerful Airflow

LG's new larger fans allow you to feel the air up to 12 meters away. That means heating is fast and powerful, and makes you feel warm sooner. (Available models : CS18AQ/CS24AQ)



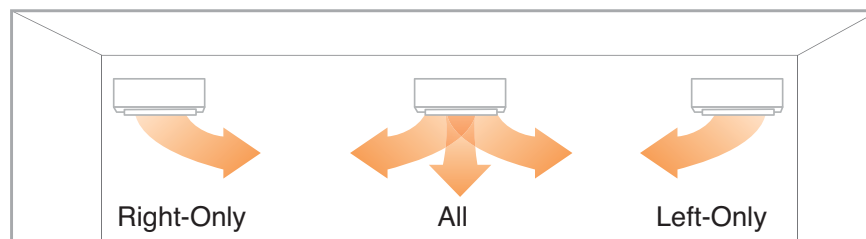
Vertical 6 Steps & Horizontal 5 Steps

6 Vertical Steps / longer reach of airflow
5 Horizontal Steps / balanced distribution of airflow to distant corners



Easy Airflow Control

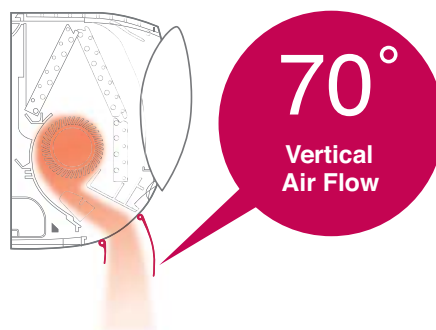
The LG air conditioning units can automatically distribute air in 4 directions.



Wind Direction Control allows the setting of airflow directions according to the location of the air conditioner.

Vertical Airflow

For heating, the vane sends the heated air downwards to maintain pleasant and balanced room temperature.



Inverter Single

3. Features & Benefits

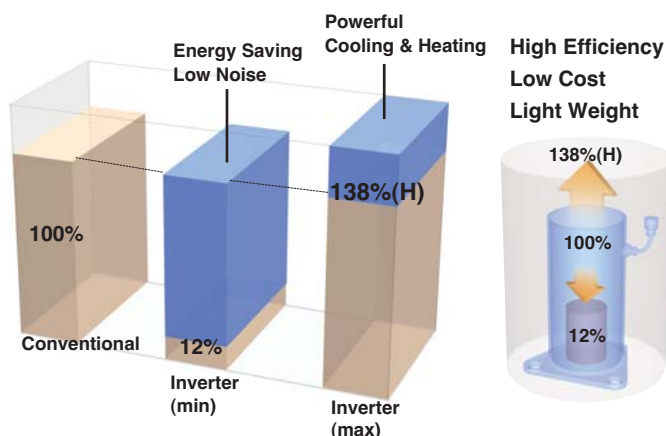
Strong

■ Powerful Cooling & Heating

You can change the power by changing the compressor frequency.

Operational power with a greater scope

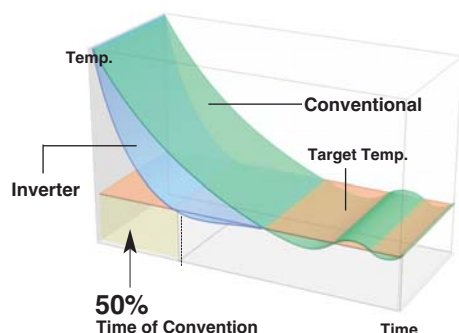
- When you return home from outside, in case you start the air conditioner to heat or cool the room, you can speed up the compressor, enhance the power and then operate it. Also, when indoor temperature reach your desired levels, you can reduce the speed of the compressor and lower the power. Thus, the product's operational power has a greater range from low to high levels.



■ Quick Cooling & Heating

Compared to conventional air conditioners, inverter air conditioners can operate their compressors faster, thus giving them powerful performance.

Therefore, on returning home from outside during hot summer days, you can speed up the compressor to enhance the performance and cool the room. In case outdoor temperatures are low in winter, inverters operate more powerfully than conventional, thus heating the room faster.



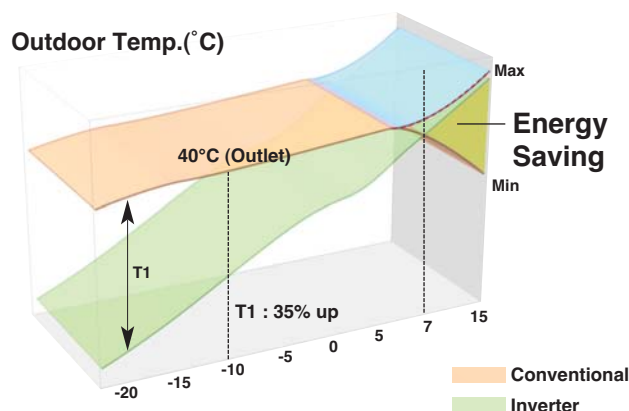
Capable

■ Powerful Heating Capacity (Chilly Area Available)

Provides the greatest heating performance in cold areas

- When outdoor temperatures fall to as low as -10° , you can faster increase the speed of the compressor, and simultaneously raise the quantity of refrigerant using the electronic expansion valve, thus further increasing the heating performance compared to ordinary conventional model.

You can heat the room even in cold areas using the air conditioner.



3. Features & Benefits



NEO-Plasma Air Purifying System

LG Electronics' unique neo-plasma air purifying system, equipped with 12-level bio-enzyme filters, has further enhanced its sterilization power. While air passes each level of filters, the system can more powerfully eliminate household's fine dust and molds, ordinary odor, food smell, and cigar smoke, as well as can destroy bacteria's cell walls to completely kill them. It has a strong sterilization power.

Have you ever experienced these symptoms?

Though the industrial development has enhanced people's quality of life and their satisfaction in living, it is increasingly creating various kinds of pollution, hazardous substances and viruses.

In particular, substances (household tick dust, molds, etc.) that create allergies give rise to respiratory diseases and atopic diseases. Harmful gases, the prime cause of 'new house syndromes,' create chronic headache.



Whenever seasons change, You have runny nose



Asthma, and Continuous coughs.



The skin is itchy without knowing reasons,
You scratch it again and again...



Frequent headache, and chronic fatigue...

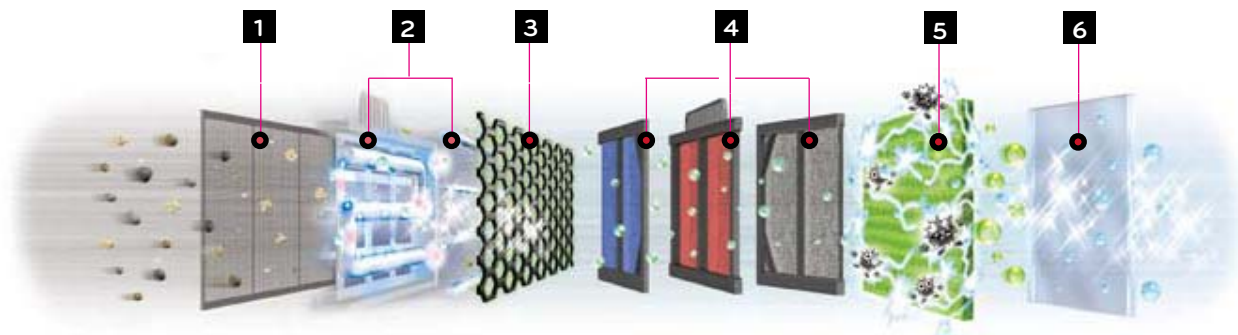
1	First antibiotic	Allergy	Mold	Mite	Big dust	Blanket dust
2	Fishy smell	Foot stink	Smoke	Odor of construction ingredient	Odor of food garbage	Chemical substance
3	Animal smell	Odor of food garbage	Chemical substance			
4	Influenza	Virus	Allergy	Mite		
5	Micro dust	Deodorize	Mold	Pollutant		

Inverter Single

3. Features & Benefits

Air Purifying System

LG's unique Air Purifying system is equipped with 7 specialized filters in 5 separate stages to enhance its cleaning power. It reduces fine dust and mould, unpleasant odors and cigarette smoke as air passes each filter.



Plasma

Pre Filter

The antibacterial pre-filter primarily reduces large dust, mold and quilt dust.

Plasma Filter

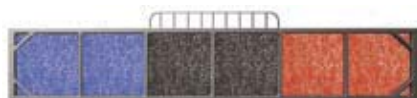
The Plasma air purifying system was initially developed by LG not only reduction of microscopic contaminants and dust, but also removal of house mites, micro dust, and pet fur in order to reduce allergy and asthma symptoms.

Carbon bell Filter

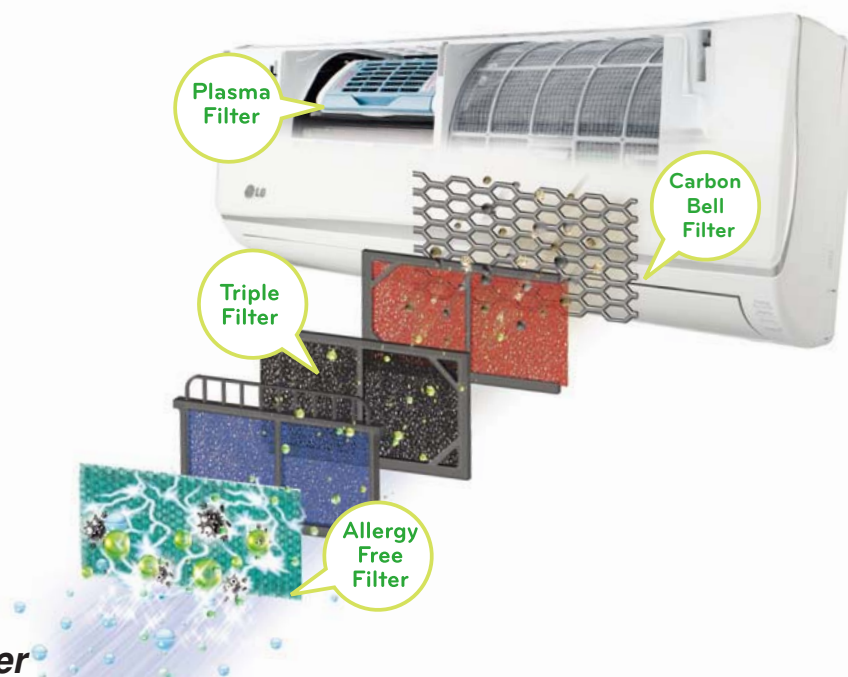
The Carbon bell Filter removes fine odor particles at home for more fresh environment. Therefore, active Carbon filter will be replaced by Carbon Ball filter. This product was also developed by LGE as promotion of the Household & Health Care and it is the first product using technology all around the world. The state of the art technology controls pore size, shape, and their distribution for deodorant effects.

Triple Filter

The triple filter consists of three specialized filters to reduce the symptoms associated with various organic compounds including formaldehyde. It also has the ability to remove unpleasant odors creating a more comfortable environment.



- Red filter removes stench in daily life such as smoke, fish-stink, food-smelling and foot-stink.
- Black filter removes the odor of construction ingredient such as formaldehyde.
- Blue filter removes the chemical substances such as a smell of fresh paint.



Allergy Free Filter

Filter consists of enzyme that breaks down allergen, apatite, and organic/inorganic binder that attaches the enzyme to the filter. When the air passes the filter, allergen clings to the filter and like tiny pairs of scissors the enzymes cut allergen's protein to deactivate the allergen.



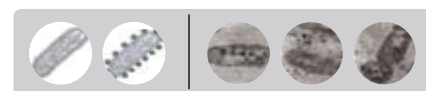
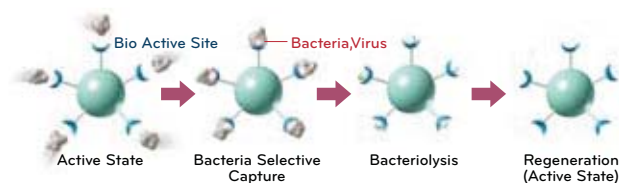
BAF Certification

Recognised by the British Allergy Foundation and Allergy UK, the LG Air Conditioners have been proven to reduce allergens in the home, offering you healthy and comfortable climate control.



Bio Fusion Filter

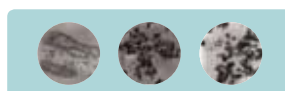
The Bio fusion filter allows its bio enzymes to directly penetrate through cell walls of bacteria and allergen to decompose into its cell nuclei.



Conventional

Simply inactivation of bacteria

Destruction of bacteria but allowing part of them to survive



Bio Fusion Filter

The bio enzyme destroys cell walls and nuclei of bacteria and allergens, thus completely kills bacteria

Inverter Single

3. Features & Benefits

Healthy Dehumidification

LG Wall Mounted Split models feature a Dehumidification mode to remove uncomfortable humidity from the room without over cooling.

Indoor Temperature Distribution Chart



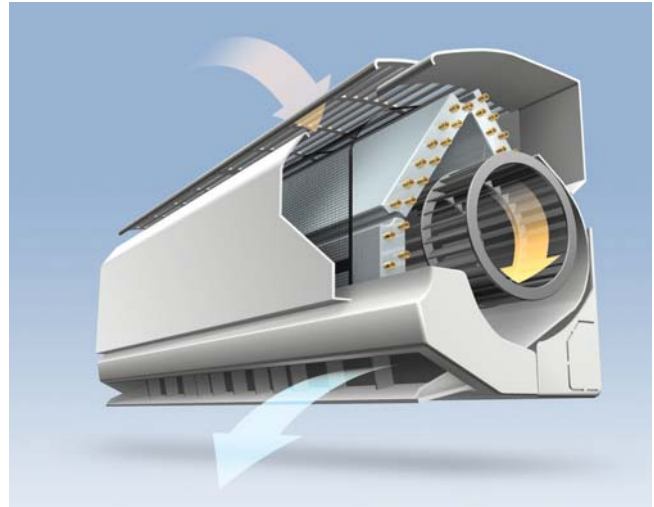
Conventional

Since the surrounding temperature is measured after the air from the unit is widely distributed, an accurate assessment of the air is not possible.



Healthy Dehumidification

By increasing the Vane Angle, a better assessment of the actual temperature is possible to prevent over cooling.



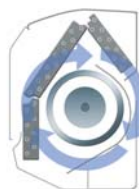
Auto Clean

The main cause of air conditioner's odor is molds that breed in the heat exchanger. If you turn off the air conditioner as it is, molds and bacteria will breed in the wet heat exchanger.

The automatic cleaning function will dry the wet heat exchanger to prevent molds and bacteria from breeding. It will eliminate air conditioner's odor and save you from frequent cleaning efforts.



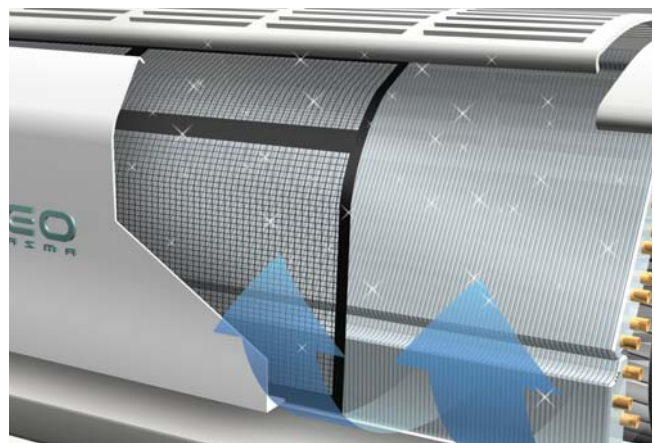
When you press "Auto Clean", Auto clean starts after cooling operation.



In 30 minutes, Auto clean" dries the inner part of Air conditioner.

1STEP : Dries the evaporator with super-weak, low-noise air blowing, and removes remaining moisture.

2STEP : Fundamentally removes the sources of molds once again through the neo plasma system.



3. Features & Benefits

Low Level Noise & Vibration

In the case of the inverter air conditioner's outdoor equipment, when indoor temperatures reach your desired levels, you can lower the speed of the compressor operating inside the outdoor equipment, thus further reducing noise compared to ordinary conventional air conditioners.

Also, the indoor equipment, which adopts a BLDC motor, can achieve even quieter and industry's lowest-level noise, compared to existing conventional air conditioner. Since even the outdoor equipment is quiet, though the air conditioner is hung on the wall, it has subdued noise, thus not disturbing your neighbors. It is perfect for sleeping, studying, and a quiet indoor ambience.



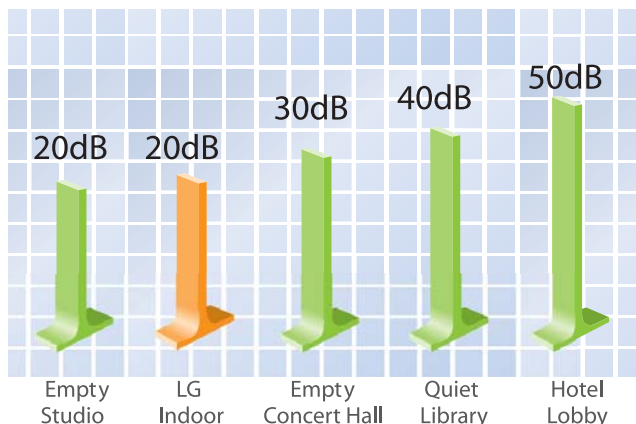
[Indoor equipment]

1. Uses low-noise BLDC motor and fan
2. Shuts off noise with an all-side panel design



[Outdoor equipment]

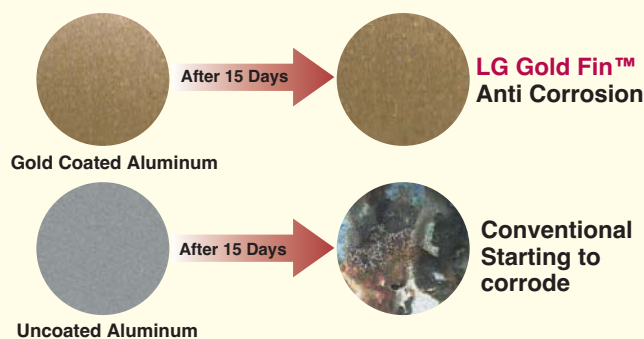
1. Low-noise inverter compressor and low-noise fan
2. Designed for optimizing compressor vibration



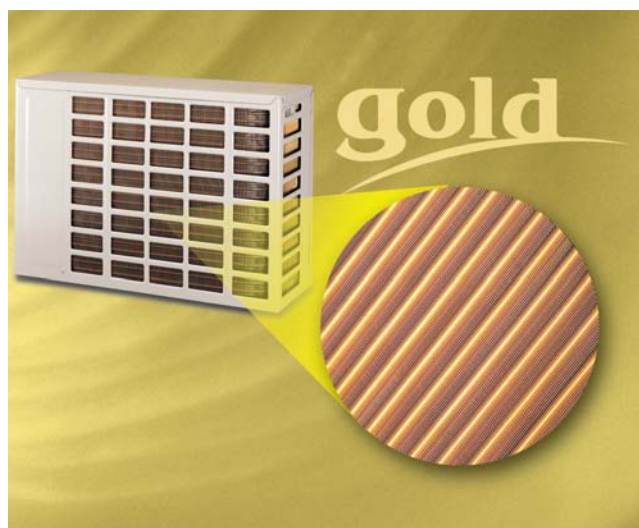
Anti Corrosion Gold Fin™

LG's Outdoor Heat Exchanger is coated with a golden anti-corrosive epoxy treatment on the aluminum coil to minimized corrosion. This maintains heat transfer properties of the coil for an extended time where as non-Gold Fin coils progressively lose efficiency due to surface corrosion. Standard on every LG air conditioner, this assists in areas suffering from pollution or near the ocean where the unit may subjected to higher levels of salt.

Salt Spray Test for 15 Days



- Gold Fin is long lasting, durable and makes the Outdoor Unit look prestigious.



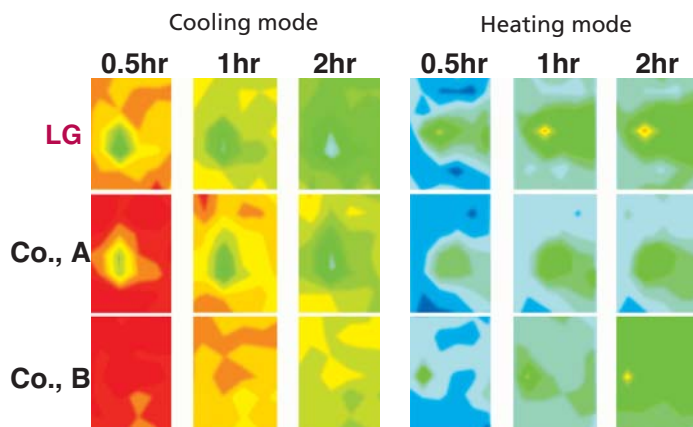
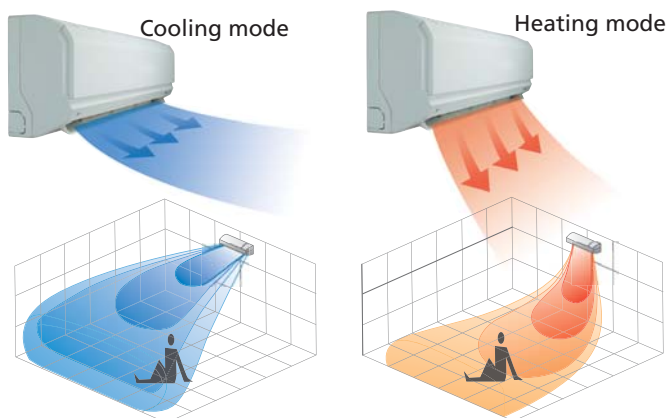
Inverter Single

3. Features & Benefits

Optimized Cooling & Heating

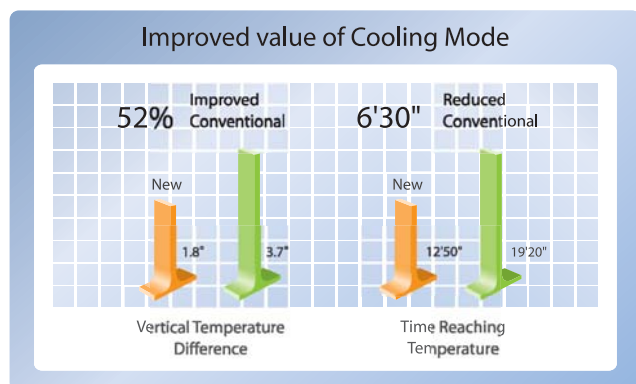
Air Flow

LG Electronics' air conditioner, which adopts the twin air vanes, blows winds horizontally far away in the cooling mode to prevent direct blowing. And, in the heating mode, the air conditioner pushes winds downwards to provide warm air evenly, thus offering pleasant air.

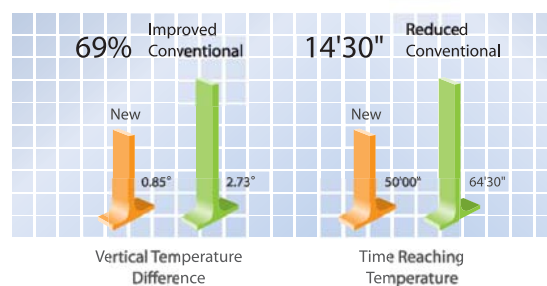


Even & Fast Air flow

LG Electronics' air conditioner improves the difference between high and low indoor temperatures. It allows you to reach your desired temperatures even faster.

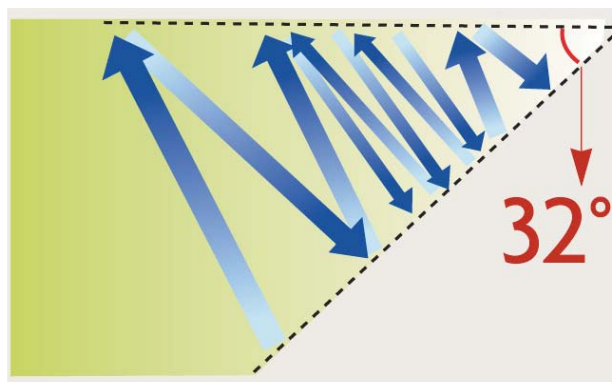


Improved value of Heating Mode



New Chaos Swing

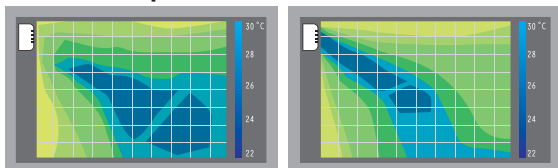
The most comfortable airflow for the human body can be found in nature. After analysis, LG has applied the scientific Chaos theory to its air conditioners to effectively reproduce a natural breeze. The Chaos technology recreates the flow of natural air by controlling the angle speed and movement of the air vane. It also minimizes the temperature difference between high and low areas in the room, creating a more comfortably conditioned environment.



It swings with random angle speed (0ms~12ms) to reproduce a natural breeze

3. Features & Benefits

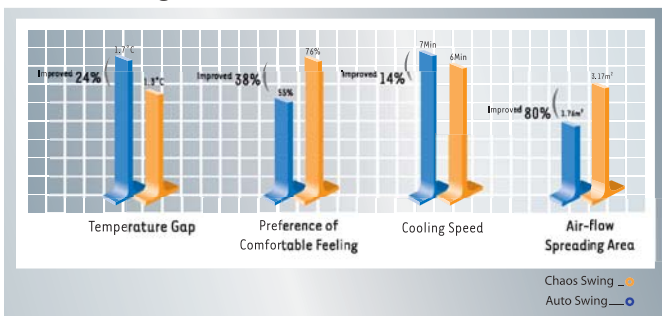
Indoor Temperature Distribution Chart



Chaos Swing

Auto Swing

Chaos Swing Effect

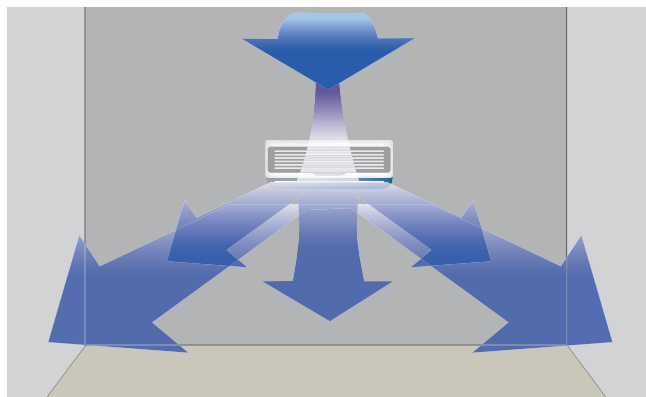


Chaos Swing _
Auto Swing _

4 Way Auto Swing

LG Air Conditioning units can now automatically distribute the air 4-ways.

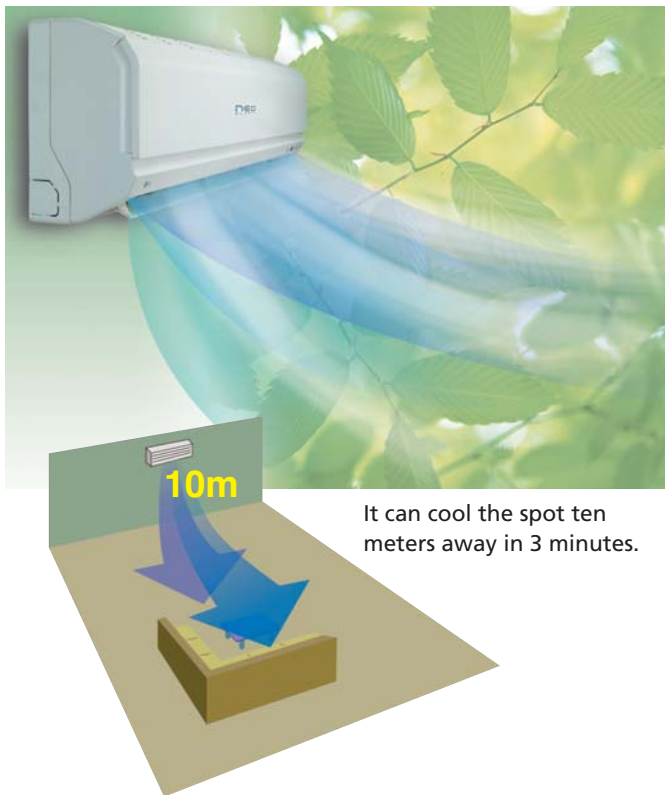
This effectively eliminates hot and cold patches, keeping the room at a more stable temperature.



Jet Cool™

The Jet cool function allows quick cooling.

In this mode, strong, cool air is blown at high speed for 30 minutes, until the room temperature reaches 18°C.



It can cool the spot ten meters away in 3 minutes.

ARTCOOL_MIRROR TYPE

A little interior accent for the modern you.

The romantic pastel colors, subdued luster, modern texture and the super slim design of LG ARTCOOL Mirror are the answers to your unique mood and personality.



International
Forum
Design



red dot design award



ARTCOOL_PANEL TYPE

LG's unique frame-style of ARTCOOL panel type.

Its super-slim and sensory design satisfies your sense.

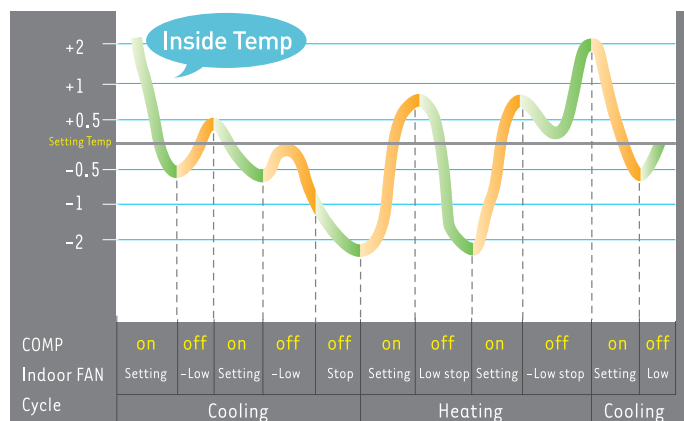


Inverter Single

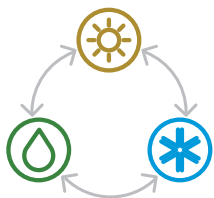
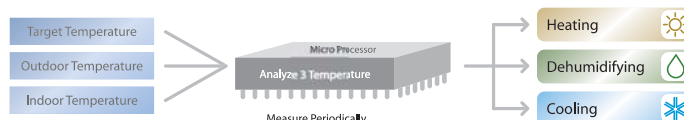
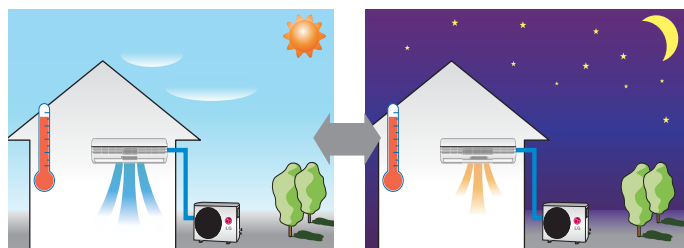
3. Features & Benefits

Auto Changeover

With heat pump model, cooling and heating operation is changed automatically on the base of setting temp.



- Initial Setting Temp: 18°C Memorize final setting temp.



Hot Start Function

During starting of the unit in the heating mode it prevents cold air blowing from the unit. It starts the indoor fan only after indoor unit pipe temperature reaches a preset value (28°C).

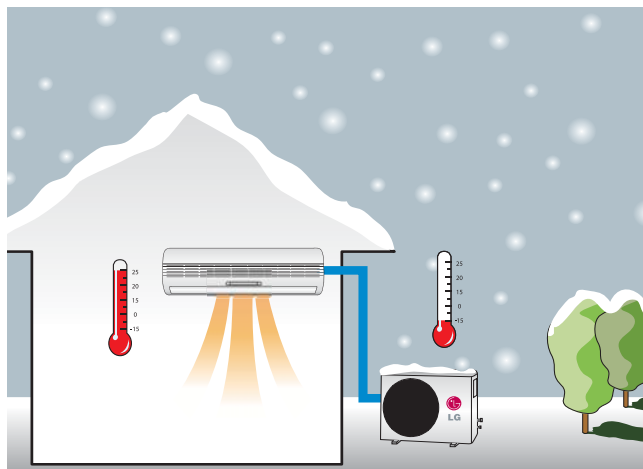
When indoor unit pipe temperature reaches 28°C, then for initial 1 minute the indoor fan runs at a low speed and after that at the setting speed.

Low Ambient

Cools the room as is necessary, even in winter.

- In case you hold a party indoors in winter, you need to operate equipment in the computer server room for long hours, or you cannot open windows for the security's sake, you can cool the room using the Inverter air conditioner.

Under such circumstances, ordinary conventional air conditioners may have heat exchangers in indoor equipment frozen, thus not properly functioning to cool the room. However, in the case of inverter air conditioners, you can adjust the speed of compressors and outdoor equipment's fans to prevent heat exchangers in indoor equipment from being frozen, thus cooling the room more easily.



Auto Restart Function

In case of a sudden power failure, It automatically sets the A/C to settings before the power failure when power returns.

Sleep Mode Auto Control

With one touch of the Sleep mode button, it automatically programs the Air Conditioning Unit to turn off, controls the fan speed and adjusts the set temperature for a more comfortable sleep.

3. Features & Benefits

Modern & Luxury Design

Its premium designs match well with any part of the household.



Gallery In My Room

Your room will shine chicly with a famous painting or a beautiful photo (showcased in the product). LG ARTCOOL will convert your room into a gallery. Do you like Western paintings, Oriental paintings, or photos? The product features your desired style of famous paintings.



Klumt, Gustav(1862-1918)
The Kiss-Der Kuss
EX)LS-H126F1L0



Courbet, Gustav(1817-1877)
Lake Geneva at Sunset
EX)LS-H126F2L0

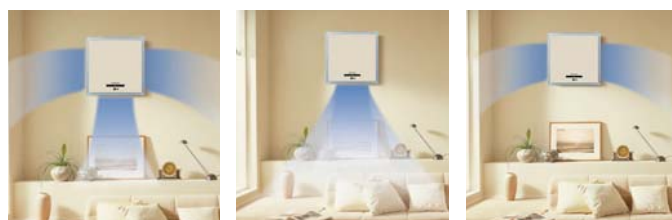
Ez-Replaceable Color Panel

The ARTCOOL chameleon panel enables you to change the air conditioner color according to background colors, the first of its kind in the world. When you want to change interior designs (wallpaper colors, furniture, etc.) or you want to change the air conditioner designs after you are bored with them. You can only change the panel.



Digital Air Flow Control

You feel more comfortable and convenient by controlling air flow.



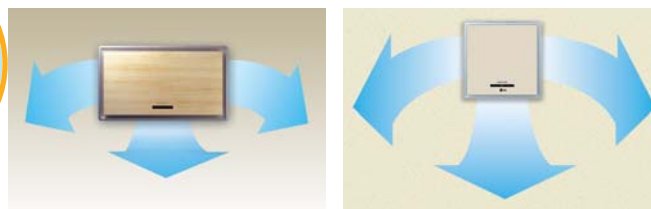
Normal
Fast & Even Widely

Jet Cool
Speedy & Powerful

Sleep Mode
Indirectly & Softly

3 Dimensional Air Flow

Designed like a work of art, and the new concept of 3 dimensional air flow. It gives even cooling as well as quick cooling from front and bothsides making the space evenly cool.



Ultra Thin

Technology mixed with sense of art result in the super slim design which is of 129mm depth.

**The slimmest
in the world!!!**



129mm

Inverter Single

3. Features & Benefits

Eco Eye (only MAESTRO models)

MAESTRO's new feature, 'Eco Eye' saves power consumption by sensing human motion

• Customized airflow :

Sends out optimized direct or indirect airflow, which is set according to user's choice, by sensing human temperature and movement.



Direct



Indirect



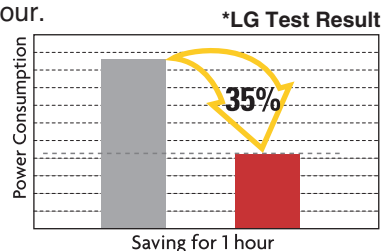
Absence

• Smart-save :

- Operates on power-save mode when there is no presence of human being in the zone
- Saves energy by 35 percent when operated on smart-mode for 1 hour.

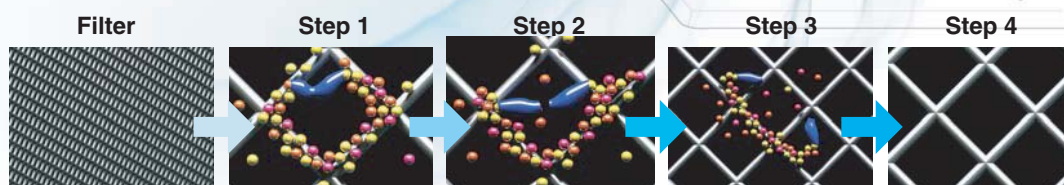


Automatic control
by human movement



Allergy Free Filter

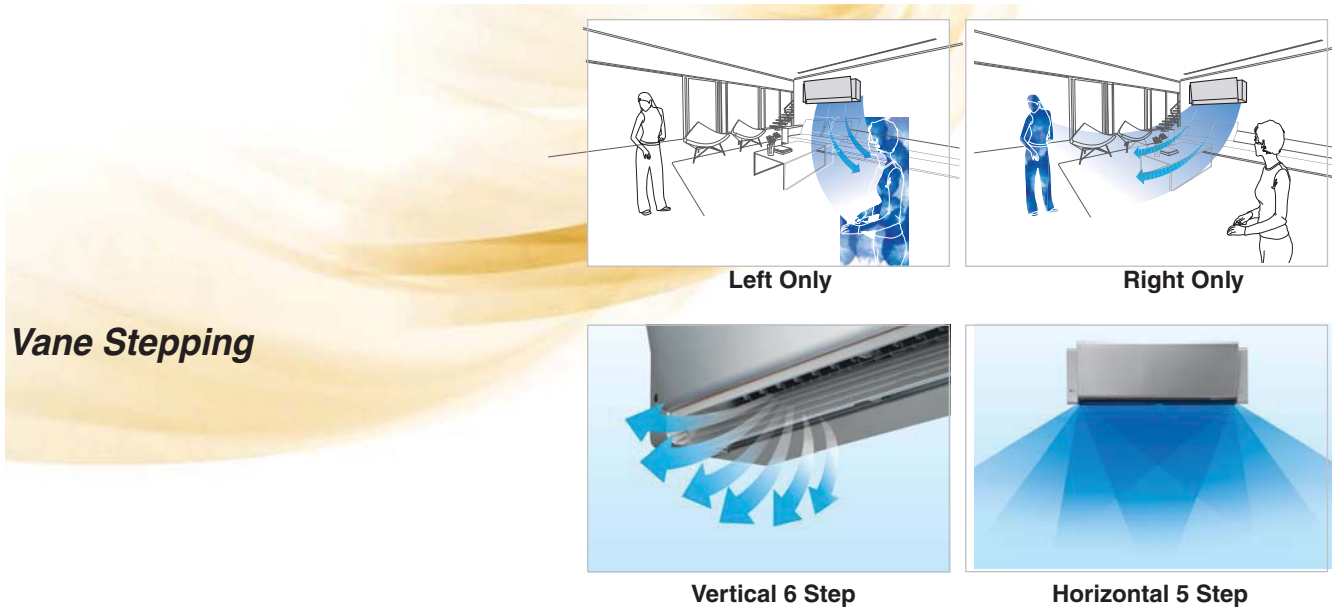
Filter⁺ consists of enzyme that breaks down allergen, apatite, and organic/inorganic binder that attaches the enzyme to the filter. When the air passes the filter, allergen clings to the filter and like tiny pairs of scissors the enzymes cut allergen's protein to deactivate the allergen.



3. Features & Benefits

Stepping control

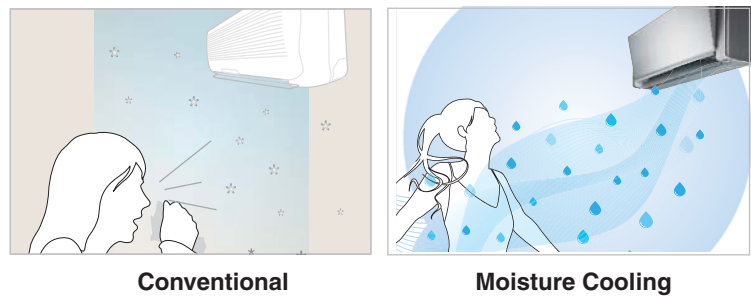
With vane that can be controlled by various steps, MAESTRO & LIBERO can send airflow in more precision and to a wider zone thus allowing the user to choose the location of indoor unit more freely.



Moisture Cooling (only Maestro models)

Discomfort caused by dried nose and throat is one of the key reasons for not buying an air conditioner. To overcome this problem, a new operating algorithm was developed for MAESTRO to control not just temperature but also humidity. While other air conditioners remove moisture during operation, MAESTRO reaches the desired temperature while maintaining a comfortable relative humidity of 45 percent. The function is especially desirable for people with respiratory problems and those concerned with dry skin.

***Relative humidity is optimization above 45% conditions.**



Inverter Single

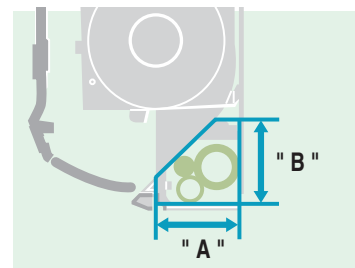
3. Features & Benefits

Quick & Easy Installation

Sufficient piping space

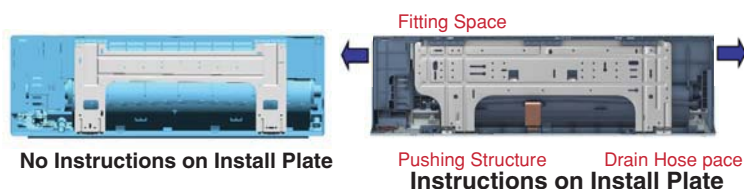
For convenient pipe laying, MAESTRO & LIBERO has wide piping space in comparison to LG's previous models and competitor products.

	LG	Co.A	Co.B	Co.C
A(mm)	67.7	50.0	60.0	45.0
B(mm)	72.0	80.0	70.0	70.0
%	116%	95%	100%	75%



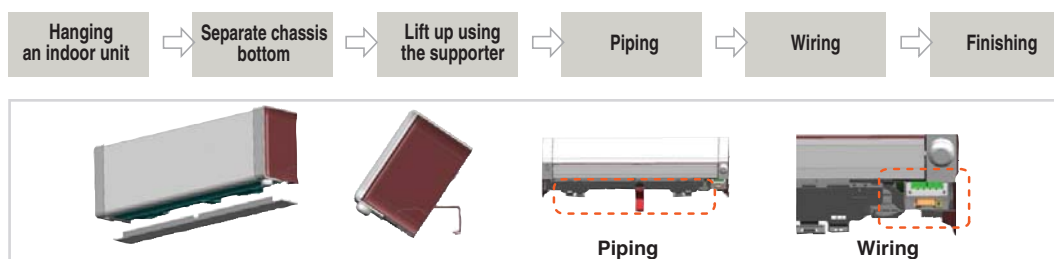
Installation plate improvement

MAESTRO & LIBERO's installation plate is wider and modified to save installation time. The instruction tip engraved in the plate also enables easy installation without having to look through the manual.



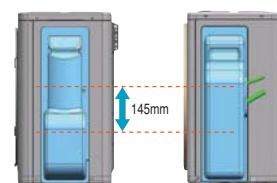
Detachable bottom cover

MAESTRO & LIBERO's indoor unit has a detachable chassis bottom and a supporter, which makes installation possible without having to disassemble or support the unit. With LG's patented supporter, installation can be completed by just one person.



Elevated service valve

For convenient installation in places without balcony, location of service valve has been adjusted upward for workers to reach more easily.



4. Specifications

DC Inverter World Highest Efficiency, Hyper (#1)

Model		Set	H09MW SM0(AS-W096MMF0)	H12MW SM0(AS-W126MMF0)
		Indoor Unit	H09MW NM0(ASNW096MMF0)	H12MW NM0(ASNW126MMF0)
		Outdoor Unit	H09MW UM0(ASUW096MMF0)	H12MW UM0(ASUW126MMF0)
Cooling Capacity		kW	0.30~2.52~3.80	0.30~3.50~4.04
		Btu/h.	1,023~8,598~12,966	1,023~11,942~13,785
Heating Capacity		kW	0.30~3.20~6.50	0.30~4.00~6.50
		Btu/h.	1,023~10,304~22,178	1,023~13,648~22,178
Power Input	Cooling/Heating	W	450/570	760/800
Running Current	Cooling/Heating	A	2.3/2.9	3.5/3.8
Starting Current	Cooling/Heating	A	2.3/2.9	3.5/3.8
EER		W/W	5.6	4.6
		Btu/h.W	19.1	15.69
COP		W/W	5.6	5
Power Supply		Ø / V / Hz	1/220-240/50	1/220-240/50
Power Factor		%	85.1	94.4
Air Flow Rate	Indoor,Max	m³/min(CFM)	16.5(546)	16.5(546)
	Outdoor,Max	m³/min(CFM)	33(1,165)	33(1,165)
Moisture Removal		l/h	1.5	1.7
Sound Level	Indoor,H/M/L	dB(A)±3	38/33/25	39/33/25
	Outdoor,Max	dB(A)±3	45	45
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,150 (40.6)	R410A, 1,150 (40.6)
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)
Compressor	Type		Twin Rotary	Twin Rotary
	Model		GKT128MAA	GKT128MAA
	Motor Type		Hermetic Motor Compressor	Hermetic Motor Compressor
	Oil Type		FVC68D	FVC68D
	Oil Charge	cc	450	450
	O.L.P. name		-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	20	20
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		BLDC	BLDC
	Motor Output	W	43	43
Circuit Breaker*		A	15	15
Power Supply Cable		No.*mm²	3*1.0	3*1.0
Power and Transmission Cable No.*mm²		No.*mm²	4*1.0(Including Earth)	4*1.0(Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)
Drain Hose(O.D / I.D.)		mm(in)	21.5,16.0(0.85,0.63)	21.5,16.0(0.85,0.63)
Dimensions	Indoor (W*H*D)	mm	875*295*235	875*295*235
		inch	34.4*11.6*9.25	34.4*11.6*9.25
	Outdoor (W*H*D)	mm	770*545*288	770*545*288
		inch	30.3*21.4*11.3	30.3*21.4*11.3
Net Weight	Indoor	kg(lbs)	11.5(25.35)	11.5(25.35)
	Outdoor	kg(lbs)	36(79.35)	36(79.35)
Gross Weight	Indoor	kg(lbs)	13(28.65)	13(28.65)
	Outdoor	kg(lbs)	38(83.77)	38(83.77)
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48
	Heating(Outdoor)	°C	-15~24	-15~24
Piping Length	Min	m(ft)	3(9.84)	3(9.84)
	Max	m(ft)	20(65.6)	20(65.6)
Chargeless		m(ft)	12.5(41.0)	12.5(41.0)
Max. Elevation Difference		m(ft)	10(32.8)	10(32.8)
Tool Code(Chassis)	Indoor + Outdoor		SM + UL2	SM + UL2
Functions	Temperature Control		Thermistor	Thermistor
	Plasma Filter		O	O
	Prefilter(washable/anti-fungus)		O	O
	Anti Allergy free filter		-	-
	Deodorizer Filter(Triple Filter)		O	O
	H1N1 Filter		O	O
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		-	-
	Steps, Fan/Cool/Heat		5/6/6	5/6/6
	Airflow Direction Control(up& Down)		Auto	Auto
	Airflow Direction Control(left & right)		Auto	Auto
	Remote Controller Type		Wireless LCD(Better)	Wireless LCD(Better)
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Deice Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O

Note :

O : Apply, X : Not applied, - : No relation
 * Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

** The fuctions are applied after March 1,2010.

Inverter Single

4. Specifications

DC Inverter High Efficiency(#1)

Models			AS-W096B1U0 CS09AQ SB0	AS-W126B1U0 CS12AQ SB0	AS-W186C2U0 CS18AQ SC0
Cooling Capacity	kW		0.89~2.50~3.70	0.89~3.50~4.04	0.90 ~ 5.20 ~ 6.00
	Btu/h.		3,070~8,530~12,620	3,070~11,900~13,800	3,070 ~ 17,743 ~ 20,472
Heating Capacity	kW		0.89~3.20~5.00	0.89~4.00~6.00	0.90 ~ 6.30 ~ 9.00
	Btu/h.		3,070~10,920~17,060	3,070~13,600~20,470	3,070 ~ 21,496 ~ 30,709
Power Input	Cooling/Heating	W	550 / 700	880 / 960	1,500 / 1,650
Running Current	Cooling/Heating	A	2.4 / 3.1	4.0 / 4.3	6.6 / 7.3
Starting Current	Cooling/Heating	A	2.4 / 3.1	4.0 / 4.3	6.6 / 7.3
EER	W/W		4.55	3.98	3.47
	Btu/h.W		15.5	13.6	11.8
COP	W/W		4.57	4.17	3.82
Power Supply	Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor	%		97.4	95.1	98.8
Air Flow Rate	Indoor,Max	m³/min(CFM)	12.0(423)	12.0(423)	19.5(689)
	Outdoor,Max	m³/min(CFM)	33(1,165)	33(1,165)	60(2,119)
Moisture Removal	l/h.		1.1	1.3	1.9
Sound Level	Indoor,H/M/L	dB(A)±3	38 / 33 / 23	39 / 33 / 23	42 / 40 / 35
	Outdoor,Max	dB(A)±3	45	45	51
Refrigerant & Charge (at 7.5 m)	g(oz)		R410A, 1,000 (35.3)	R410A, 1,000 (35.3)	R410A, 1,350(47.62)
Additional Refrigerant charge	g/m(oz/ft)		20(0.22)	20(0.22)	20(0.21)
Compressor	Type		Rotary	Rotary	Twin Rotary
	Model		5RS102XAA21	5RS102XAA21	GKT141DAA
	Motor Type		Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FV50S)	PVE(FV50S)	FVC68D
	Oil Charge	cc	320	320	570
Fan(Indoor)	O.L.P. name		-	-	-
	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan(Outdoor)	Motor Output	W	20	20	30
	Type		Propeller	Propeller	Propeller
	Motor Type		BLDC	BLDC	BLDC
Circuit Breaker*	Motor Output	W	43	43	84
		A	15	15	15
Power Supply Cable	No.*mm²		3 x 1.0	3 x 1.0	3 x 1.5
Power and Transmission Cable No.*mm²	No.*mm²		4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	12.70(1/2)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	885 x 285 x 210	885 x 285 x 210	1,030 x 325 x 250
		inch	35.2 x 11.2 x 8.3	35.2 x 11.2 x 8.3	40.6 x 12.8 x 9.84
	Outdoor (W*H*D)	mm	770 x 545 x 288	770 x 545 x 288	870 x 655 x 320
		inch	30.30 x 21.50 x 11.30	30.30 x 21.50 x 11.30	34.3 x 25.79 x 12.6
Net Weight	Indoor	kg(lbs)	11(24.5)	11(24.5)	17(37.5)
	Outdoor	kg(lbs)	35(77.2)	35(77.2)	46(101.4)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)
	Heating(Outdoor)	°C (°F)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)
Piping Length (Min)	m(ft)		2(6.56)	2(6.56)	-
Piping Length (Max)	m(ft)		20(65.6)	20(65.6)	20(65.6)
Chargeless	m(ft)		12.5(41.0)	12.5(41.0)	-
Max. Elevation Difference	m(ft)		10(32.8)	10(32.8)	15(49.2)
Tool Code(Chassis)	Indoor + Outdoor		SB + UL2	SB + UL2	SC + UE
Functions	Temperature Control		Thermistor	Thermistor	Thermistor
	Plasma Filter		O	O	O
	Prefilter(washable/Anti-fungus)		O	O	O
	Auto Clean		O	O	O
	Natural Wind(Auto Wind)		O	O	O
	Steps, Fan/Cool/Heat		5 / 6 / 6	5 / 6 / 6	5 / 6 / 6
	Airflow Direction Control(Up& Down)		Auto	Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto	Auto
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	-
	Auto Changeover (Micom Control)		O	O	O
	Self Diagnosis		O	O	O
	Timer		24h, On/Off	24h, On/Off	24h, On/Off
	Sleep Operation		O	O	O
	Soft Dry Operation		O	O	O
	Restart Delay(Minute)		3	3	3
	Deice Control(Defrost)		O	O	O
	Hot Start		O	O	O
	Jet Cool		O	O	O
	Low Ambient Operation		O	O	O
	Deluxe wired remote controller**		PQRCVSL0*	PQRCVSL0*	PQRCVSL0*
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact**		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485**		-	-	PMNFP14A0

Note :

O : Applie, X : Not applied, - : No relation

• Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

** The fuctions are applied after March 1,2010.

4. Specifications

Models			AS-W246C2U0 CS24AQ SC0	AS-W096BMS0 S09AQ SB0	AS-W126BMS0 S12AQ SB0
Cooling Capacity	kW		0.90 ~ 7.03 ~ 8.65	0.89 ~ 2.50 ~ 3.70	0.89 ~ 3.50 ~ 4.04
	Btu/h.		3,070 ~ 24,000 ~ 29,515	3,070 ~ 8,530 ~ 12,620	3,070 ~ 11,900 ~ 13,800
Heating Capacity	kW		0.90 ~ 8.44 ~ 11.40	0.89 ~ 3.20 ~ 5.00	0.89 ~ 4.00 ~ 6.00
	Btu/h.		3,070 ~ 28,800 ~ 38,898	3,070 ~ 10,920 ~ 17,060	3,070 ~ 13,600 ~ 20,470
Power Input	Cooling/Heating	W	2,190 / 2,330	550 / 700	880 / 960
Running Current	Cooling/Heating	A	9.8 / 10.4	2.4 / 3.1	4.0 / 4.3
Starting Current	Cooling/Heating	A	9.8 / 10.4	2.4 / 3.1	4.0 / 4.3
EER	W/W		3.21	4.55	3.98
	Btu/h.W		11	15.5	13.6
COP	W/W		3.62	4.57	4.17
Power Supply	Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor	%		98.2	97.4	95.1
Air Flow Rate	Indoor,Max	m³/min(CFM)	22(777)	12.0(423)	12.5(423)
	Outdoor,Max	m³/min(CFM)	60(2,119)	33(1,165)	33(1,165)
Moisture Removal	l/h.		2.6	1.1	1.3
Sound Level	Indoor,H/M/L	dB(A)±3	45 / 40 / 35	38 / 33 / 23	39 / 33 / 23
	Outdoor,Max	dB(A)±3	53	45	45
Refrigerant & Charge (at 7.5 m)			R410A, 1,800(63.49)	R410A, 1,000 (35.3)	R410A, 1,000 (35.3)
Additional Refrigerant charge			35(0.37)	20(0.22)	20(0.22)
Compressor	Type		Twin Rotary	Rotary	Rotary
	Model		GJT240DAA	5RS102XAA21	5RS102XAA21
	Motor Type		Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FVD68C)	PVE(FV50S)	PVE(FV50S)
	Oil Charge	cc	900	320	320
	O.L.P. name		-	-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output	W	76	20	20
Fan(Outdoor)	Type		Propeller	Propeller	Propeller
	Motor Type		BLDC	BLDC	BLDC
	Motor Output	W	124	43	43
Circuit Breaker*	A		30	15	15
Power Supply Cable	No.*mm²		3 x 2.5	3 x 1.0	3 x 1.0
Power and Transmission Cable No.*mm²	No.*mm²		4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	9.52(3/8)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	15.88(5/8)	9.52(3/8)	9.52(3/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,030 x 325 x 250	895 x 285 x 195	895 x 285 x 195
		inch	40.6 x 12.8 x 9.84	35.2 x 11.2 x 7.7	35.2 x 11.2 x 7.7
	Outdoor (W*H*D)	mm	870 x 800 x 320	770 x 545 x 288	770 x 545 x 288
		inch	34.3 x 31.5 x 12.6	30.3 x 21.5 x 11.3	30.3 x 21.5 x 11.3
Net Weight	Indoor	kg(lbs)	17(37.5)	12(26.5)	12(26.5)
	Outdoor	kg(lbs)	60(132)	35(77.2)	35(77.2)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)
	Heating(Outdoor)	°C (°F)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)
Piping Length (Min)	m(ft)		-	2(6.56)	2(6.56)
Piping Length (Max)	m(ft)		30(98.4)	20(65.6)	20(65.6)
Chargeless	m(ft)		-	12.5(41.0)	12.5(41.0)
Max. Elevation Difference	m(ft)		15(49.2)	10(32.8)	10(32.8)
Tool Code(Chassis)	Indoor + Outdoor		SC + UE1 Plus	SB + UL2	SB + UL2
Functions	Temperature Control		Thermistor	Thermistor	Thermistor
	Plasma Filter		O	O	O
	Prefilter(washable/Anti-fungus)		O	O	O
	Auto Clean		O	O	O
	Natural Wind(Auto Wind)		O	O	O
	Steps, Fan/Cool/Heat		5 / 6 / 6	5 / 6 / 6	5 / 6 / 6
	Airflow Direction Control(Up& Down)		Auto	Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto	Auto
	Setting Temperature Range	Cooling	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C
		Heating	16°C ~ 30°C	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	-
	Auto Changeover (Micom Control)		O	O	O
	Self Diagnosis		O	O	O
	Timer		24h, On/Off	24h, On/Off	24h, On/Off
	Sleep Operation		O	O	O
	Soft Dry Operation		O	O	O
	Restart Delay(Minute)		3	3	3
	Deice Control(Defrost)		O	O	O
	Hot Start		O	O	O
	Jet Cool		O	O	O
	Low Ambient Operation		O	O	O
	Deluxe wired remote controller**		PQRCVSL0*	-	-
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact**		PQDSA, PQDSBPQDSB1, PQDSBC	-	-
	PI 485**		PMNFP14A0	-	-

Note :

O : Applie, X : Not applied, - : No relation
 * Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

** The fuctions of CS24AQ model are applied after March 1,2010.

Inverter Single

4. Specifications

Inverter Single, ART COOL(#1)

Models			AS-W096E*U3 CC09AW* SE3	AS-W126E*U3 CC12AW* SE3	AS-W186E*U3 CC18AW* S83
Cooling Capacity		kW	0.89 ~ 2.50 ~ 3.70	0.89 ~ 3.50 ~ 4.04	0.90 ~ 5.28 ~ 5.80
		Btu/h.	3,070 ~ 8,530 ~ 12,620	3,070 ~ 11,940 ~ 13,800	3,070 ~ 18,000 ~ 19,800
Heating Capacity		kW	0.89 ~ 3.25 ~ 5.00	0.89 ~ 4.20 ~ 5.49	0.90 ~ 5.80 ~ 6.65
		Btu/h.	3,070 ~ 11,080 ~ 17,060	3,070 ~ 14,330 ~ 18,720	3,070 ~ 19,790 ~ 22,700
Power Input	Cooling/Heating	W	610 / 760	1,030 / 1,130	1,610 / 1,570
Running Current	Cooling/Heating	A	2.8 / 3.5	4.7 / 5.1	7.2 / 7.0
Starting Current	Cooling/Heating	A	2.8 / 3.5	4.7 / 5.1	7.2 / 7.0
EER		W/W	4.1	3.4	3.28
		Btu/h.W	14	11.6	11.2
COP		W/W	4.28	3.72	3.69
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	95.1	97.2	97.2
Air Flow Rate	Indoor,Max	m³/min(CFM)	10.5(371)	10.5(371)	16(565)
	Outdoor,Max	m³/min(CFM)	27(954)	27(954)	42(1,483)
Moisture Removal		l/h.	1.2	1.2	2.1
Sound Level	Indoor,H/M/L	dB(A)±3	37 / 29 / 25	38 / 29 / 25	42 / 39 / 36
	Outdoor,Max	dB(A)±3	45	45	52
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,000(35.3)	R410A, 1,000(35.3)	R410A, 1,350(47.62)
Additional Refrigerant charge		g/m(oz/ft)	20(0.215)	20(0.215)	20(0.21)
Compressor	Type		Rotary	Rotary	Twin Rotary
	Model		GA102DBA	GA102DBA	GKT141DAA
	Motor Type		Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FVC68D)	PVE(FVC68D)	FVC68D
	Oil Charge	cc	310	310	570
	O.L.P. name		-	-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output	W	20	20	30
Fan(Outdoor)	Type		Propeller	Propeller	Propeller
	Motor Type		BLDC	BLDC	BLDC
	Motor Output	W	43	43	84
Circuit Breaker*		A	15	15	15
Power Supply Cable		No.*mm²	3 x 1.0	3 x 1.0	3 x 1.5
Power and Transmission Cable No.*mm²		No.*mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	12.70(1/2)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	912 x 282 x 165	912 x 282 x 165	1,107 x 299 x 200
		inch	35.9 x 11.1 x 6.5	35.9 x 11.1 x 6.5	43.6 x 11.8 x 7.9
	Outdoor (W*H*D)	mm	770 x 545 x 245	770 x 545 x 245	870 x 655 x 320
		inch	30.3 x 21.4 x 9.7	30.3 x 21.4 x 9.7	34.3 x 25.79 x 12.6
Net Weight	Indoor	kg(lbs)	10(22)	10(22)	15(33.1)
	Outdoor	kg(lbs)	32(71)	32(71)	51(111.4)
Operation Range	Cooling(Outdoor)	°C (°F)	-5 ~48 (23 ~118.4)	-5 ~48 (23 ~118.4)	-10 ~48 (14 ~118.4)
	Heating(Outdoor)	°C (°F)	-10~24 (14~75.2)	-10~24 (14~75.2)	-10~24 (14~75.2)
Piping Length (Min)		m(ft)	-	-	-
Piping Length (Max)		m(ft)	15(49.2)	15(49.2)	20(65.6)
Chargeless		m(ft)	-	-	-
Max. Elevation Difference		m(ft)	7(23.0)	7(23.0)	15(49.2)
Tool Code(Chassis)	Indoor + Outdoor		SEM + UL	SEM + UL	S8 + UL2
Functions	Temperature Control		Thermistor	Thermistor	Thermistor
	Plasma Filter		O	O	O
	Prefilter(washable/Anti-fungus)		O	O	O
	Auto Clean		O	O	O
	Natural Wind(Auto Wind)		O	O	O
	Steps, Fan/Cool/Heat		3 / 5 / 5	3 / 5 / 5	3 / 5 / 5
	Airflow Direction Control(Up & Down)		Auto	Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto	Auto
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	-
	Auto Changeover (Micom Control)		O	O	O
	Self Diagnosis		O	O	O
	Timer		24h, On/Off	24h, On/Off	24h, On/Off
	Sleep Operation		O	O	O
	Soft Dry Operation		O	O	O
	Restart Delay(Minute)		3	3	3
	Deice Control(Defrost)		O	O	O
	Hot Start		O	O	O
	Jet Cool		O	O	O
	Low Ambient Operation		O	O	O
	Deluxe wired remote controller		PQRCVSL0*	PQRCVSL0*	PQRCVSL0*
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485		-	-	PMNFP14M0

Note : O : Applie, X : Not applied, - : No relation
 * Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

4. Specifications

Models			AS-W2468*U3 CC24AW* S83	AS-W096F*G2 A09AW* NF2	AS-W126F*G2 A12AW* NF2
Cooling Capacity		kW	3.87 ~ 7.03 ~ 7.74	1.30 ~ 2.70 ~ 3.50	1.30 ~ 3.50 ~ 4.00
		Btu/h.	13,200 ~ 24,000 ~ 26,400	4,436 ~ 9,210 ~ 11,942	4,436 ~ 11,940 ~ 13,648
Heating Capacity		kW	3.37 ~ 8.08 ~ 8.88	1.30 ~ 3.50 ~ 4.20	1.30 ~ 4.20 ~ 5.00
		Btu/h.	11,500 ~ 27,570 ~ 30,300	4,436 ~ 11,940 ~ 14,330	4,436 ~ 14,330 ~ 17,060
Power Input	Cooling/Heating	W	2,420 / 2,600	830 / 960	1,090 / 1,160
Running Current	Cooling/Heating	A	11.0 / 12.5	3.8 / 4.4	4.9 / 5.2
Starting Current	Cooling/Heating	A	11.0 / 12.5	4.5 / 5.2	5.7 / 6.9
EER		W/W	2.9	3.25	3.21
		Btu/h.W	9.92	11.1	10.95
COP		W/W	3.1	3.65	3.62
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	97.2	95	96.7
Air Flow Rate	Indoor,Max	m³/min(CFM)	20.3(717)	8.0(283)	9.5(336)
	Outdoor,Max	m³/min(CFM)	58(2,048)	26.0(918)	34(1,200)
Moisture Removal		l/h.	2.7	1.2	1.5
Sound Level	Indoor,H/M/L	dB(A)±3	43 / 40 / 36	35 / 29 / 25	39 / 32 / 25
	Outdoor,Max	dB(A)±3	54	48	48
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,800(63.49)	R410A, 1,000(35.3)	R410A, 1,000(35.3)
Additional Refrigerant charge		g/m(oz/ft)	35(0.37)	20(0.215)	20(0.215)
Compressor	Type		Twin Rotary	Rotary	Rotary
	Model		GJT240DAA	5RS102XAA21	5RS102XAA21
	Motor Type		Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FVD68C)	FV50S	FV50S
	Oil Charge	cc	900	320	320
	O.L.P. name		-	-	-
Fan(Indoor)	Type		Cross Flow Fan	Turbo Fan	Turbo Fan
	Motor Output	W	20	24	24
Fan(Outdoor)	Type		Propeller	Propeller	Propeller
	Motor Type		BLDC	BLDC	BLDC
	Motor Output	W	124	43	43
Circuit Breaker*		A	30	15	15
Power Supply Cable		No.*mm²	3 x 2.5	3 x 1.0	3 x 1.0
Power and Transmission Cable No.*mm²		No.*mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	9.52(3/8)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	15.88(5/8)	9.52(3/8)	9.52(3/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,107 x 299 x 200	600*600*146	600*600*146
		inch	43.6 x 11.8 x 7.9	30.3 x 21.5 x 9.6	30.3 x 21.5 x 9.6
	Outdoor (W*H*D)	mm	870 x 800 x 320	770 x 545 x 245	770 x 545 x 245
		inch	34.3 x 31.5 x 12.6	30.3 x 21.3 x 9.6	30.3 x 21.3 x 9.6
Net Weight	Indoor	kg(lbs)	15(33.1)	15(33.0)	15(33.0)
	Outdoor	kg(lbs)	60(132)	32(71)	32(71)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~48 (14 ~118.4)	-5 ~43 (23 ~109.4)	-5 ~43 (23 ~109.4)
	Heating(Outdoor)	°C (°F)	-10~24 (14~75.2)	-10~24 (14~75.2)	-10~24 (14~75.2)
Piping Length (Min)		m(ft)	-	-	-
Piping Length (Max)		m(ft)	30(98.4)	15(49.2)	15(49.2)
Chargeless		m(ft)	-	-	-
Max. Elevation Difference		m(ft)	15(49.2)	7(23.0)	7(23.0)
Tool Code(Chassis)	Indoor + Outdoor		S8 + UE1 Plus	SF + UL	SF + UL
Functions	Temperature Control		Thermistor	Thermistor	Thermistor
	Plasma Filter		O	O	O
	Prefilter(washable/Anti-fungus)		O	O	O
	Auto Clean		O	O	O
	Natural Wind(Auto Wind)		O	O	O
	Steps, Fan/Cool/Heat		3 / 5 / 5	3 / 4 / 4	3 / 4 / 4
	Airflow Direction Control(Up& Down)		Auto	Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto	Auto
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	-
	Auto Changeover (Micom Control)		O	O	O
	Self Diagnosis		O	O	O
	Timer		24h, On/Off	24h, On/Off	24h, On/Off
	Sleep Operation		O	O	O
	Soft Dry Operation		O	O	O
	Restart Delay(Minute)		3	2	2
	Deice Control(Defrost)		O	O	O
	Hot Start		O	O	O
	Jet Cool		O	O	O
	Low Ambient Operation		O	O	O
	Deluxe wired remote controller		PQRCVSL0*	-	-
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	-	-
	PI 485		PMNFP14M0	-	-

Note : O : Applie, X : Not applied, - : No relation
 • Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

Inverter Single

4. Specifications

Inverter Single, Libero ARTCOOL(#2)

Models		Unit	AS-W096B*U0 CA09AW* SB0	AS-W126B*U0 CA12AW* SB0
Cooling Capacity		kW	0.89~2.50~3.70	0.89~3.50~4.04
Heating Capacity		kW	0.89~3.2~5.00	0.89~4.0~6.00
Low Temp. Heating Capacity(-7°C)		kW	3.2	3.8
Power Input	Cooling/Heating	W	550/700	880/960
Running Current	Cooling/Heating	A	2.4 / 3.1	4.0/4.3
Starting Current	Cooling/Heating	A	2.4 / 3.1	4.0/4.3
Max Current	Cooling/Heating	A	10	10
EER		W/W	4.55	3.98
		Btu/h.W	15.5	13.6
COP		W/W	4.6	4.17
Annual energy consumption	Cooling	kWh	275	440
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	97.4	95.1
Air Flow Rate	Indoor,Max	m³/min(CFM)	12.0(423)	12(423)
	Outdoor,Max	m³/min(CFM)	33(1,165)	33(1165)
Moisture Removal		l/h.	1.1	1.3
Sound Pressure Level	Indoor,H/M/L	dB(A)±3	38 / 33 / 23 / 19	39 / 33 / 23 / 19
	Outdoor,Max	dB(A)±3	45	45
Sound Power Level	Indoor,Max	dB(A)	57	57
	Outdoor,Max	dB(A)	65	65
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,000(35.3)	R410A, 1,000(35.3)
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)
Compressor	Type		Rotary	1P Rotary
	Model		5RS102XAA21	5RS102XAA21
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FV50S)	PVE(FV50S)
	Oil Charge	cc	320	320
O.L.P. name			-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	20	20
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		BLDC	BLDC
	Motor Output	W	43	43
Circuit Breaker*		A	15	15
Power Supply Cable		No.*mm²	3*1.0	3*1.0
Power and Transmission Cable No.*mm²		No.*mm²	4*1.0 (Including Earth)	4*1.0
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)
Drain Hose(O.D / I.D.)		mm(in)	21.5 / 16.0(0.85 / 0.63)	21.5/16.0(0.85/0.63)
Dimensions	Indoor (W*H*D)	mm	885*285*205	885*285*205
		inch	34.8*11.2*8.07	34.8*11.2*8.07
	Outdoor (W*H*D)	mm	770*545*288	770*545*288
		inch	30.3*21.5*11.3	30.3*21.4*11.3
Net Weight	Indoor	kg(lbs)	10(22.05)	10(22.05)
	Outdoor	kg(lbs)	34(74.95)	34(74.95)
Operation Range	Cooling(Outdoor)	°C (°F)	-10~48(14~118.4)	-10 ~ 48 (14 ~ 118.4)
	Heating(Outdoor)	°C (°F)	-10~24 (14~75.2)	-10 ~ 24 (14 ~ 75.2)
Piping Length (Min/Max)		m(ft)	2(6.6) / 20(65.6)	2(6.6) / 20(65.6)
Chargeless		m(ft)	12.5(41.0)	12.5(41.0)
Max. Elevation Difference		m(ft)	10(32.8)	10(32.8)
Tool Code(Chassis)			SB + UL2	SB + UL2
Functions	Indoor + Outdoor		SB + UL2	SB + UL2
	Temperature Control		Thermistor	Thermistor
	Plasma Filter		O	O
	Prefilter(washable/anti-fungus)		O	O
	Anti Allergy Filter		O	O
	Deodorizer Filter(Triple Filter)		O	O
	H1N1 Filter		O	O
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		5/6/6	5/6/6
	Airflow Direction Control(up& Down)		Auto	Auto
	Airflow Direction Control(left & right)		Auto	Auto
	Remote Controller Type		Wireless LCD	Wireless LCD
	Setting Temperature Range	Cooling	18°C ~ 30°C	18°C ~ 30°C
		Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Device Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		PQRCVSL0*	PQRCVSL0*
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485		-	-

Note : O : Applie, X : Not applied, - : No relation
 • Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

4. Specifications

Models		Unit	AS-W186C*U0 CA18AW* SC0	AS-W246C*U0 CA24AW* SC0
Cooling Capacity		kW	0.9 ~ 5.2 ~ 6.0	0.90~7.03~8.65
Heating Capacity		kW	0.9 ~ 6.3 ~ 9.0	0.90~8.44~11.40
Low Temp. Heating Capacity(-7°C)		kW	5.5	8.5
Power Input	Cooling/Heating	W	1,500/1,650	2,190/2,330
Running Current	Cooling/Heating	A	6.6/7.3	9.8/10.4
Starting Current	Cooling/Heating	A	6.6/7.3	9.8/10.4
Max Current	Cooling/Heating	A	12.5	19
EER		W/W	3.47	3.21
		Btu/h.W	11.8	11
COP		W/W	3.82	3.62
Annual energy consumption	Cooling	kWh	750	1095
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1/220-240/50
Power Factor		%	98.8	98.2
Air Flow Rate	Indoor,Max	m³/min(CFM)	19.5(689)	22(777)
	Outdoor,Max	m³/min(CFM)	60(2,119)	60.0(2,119)
Moisture Removal		l/h.	1.9	2.6
Sound Pressure Level	Indoor,H/M/L	dB(A)±3	42/40/35/29	45/40/35/29
	Outdoor,Max	dB(A)±3	51	53
Sound Power Level	Indoor,Max	dB(A)	63	65
	Outdoor,Max	dB(A)	70	70
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,350	R410A, 1,800
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	35(0.37)
Compressor	Type		Twin Rotary	Twin Rotary
	Model		GKT141DAA	GJT240DAA
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FVC68D)	PVE(FVC68D)
	Oil Charge	cc	570	900
	O.L.P. name		-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	20	20
Fan(Outdoor)	Type		Propeller, Fan	Propeller, Fan
	Motor Type		BLDC	BLDC
	Motor Output	W	85	124
Circuit Breaker*		A	20	25
Power Supply Cable		No.*mm²	3*1.5	3*2.5
Power and Transmission Cable No.*mm²		No.*mm²	4*1.0	4*1.0
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(in)	12.7(1/2)	15.88(5/8)
Drain Hose(O.D / I.D.)		mm(in)	21.5/16.0(0.85/0.63)	21.5/16.0(0.85/0.63)
Dimensions	Indoor (W*H*D)	mm	1030*325*245	1030*325*245
		inch	40.6*12.8*9.84	40.6*12.8*9.65
	Outdoor (W*H*D)	mm	870*655*320	870*800*320
		inch	34.3*25.8*12.6	34.3*31.5*12.6
Net Weight	Indoor	kg(lbs)	15.5(34.2)	15.5(34.2)
	Outdoor	kg(lbs)	51(101.4)	60(132.3)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~ 48 (14 ~ 118.4)	-10~48(14~118.4)
	Heating(Outdoor)	°C (°F)	-10 ~ 24 (14~75.2)	-10 ~ 24 (14~75.2)
Piping Length (Min/Max)		m(ft)	- /20(65.6)	- /30(98.4)
Chargeless		m(ft)	-	-
Max. Elevation Difference		m(ft)	10(32.8)	15(49.2)
Tool Code(Chassis)			SC + UE	SC + UE1 Plus
Functions	Indoor + Outdoor		Thermistor	Thermistor
	Temperature Control			
	Plasma Filter		O	O
	Prefilter(washable/anti-fungus)		O	O
	Anti Allergy Filter		O	O
	Deodorizer Filter(Triple Filter)		O	O
	H1N1 Filter		O	O
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		5/6/6	5/6/6
	Airflow Direction Control(up& Down)		Auto	Auto
	Airflow Direction Control(left & right)		Auto	Auto
	Remote Controller Type		Wireless LCD	Wireless LCD
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		O	O
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Device Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		PQRCVSL0*	PQRCVSL0*
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485		PMNFP14A0	PMNFP14A0

Note : O : Applie, X : Not applied, - : No relation
• Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

Inverter Single

4. Specifications

Inverter Single, General Wall Mounted(#1)

Models			AS-W096HDW0 S09AF SH0	AS-W126HDW0 S12AF SH0
Cooling Capacity	kW		0.89 ~ 2.50 ~ 3.70	0.90 ~ 3.50 ~ 4.04
	Btu/h.		3,040 ~ 8,500 ~ 12,620	3,070 ~ 11,900 ~ 13,800
Heating Capacity	kW		0.89 ~ 3.2 ~ 4.1	0.90 ~ 4.01 ~ 5.1
	Btu/h.		3,040 ~ 10,900 ~ 14,000	3,070 ~ 13,700 ~ 17,400
Power Input	Cooling/Heating	W	620 / 780	1,060 / 1,080
Running Current	Cooling/Heating	A	2.8 / 3.5	4.7 / 4.8
Starting Current	Cooling/Heating	A	2.8 / 3.5	4.7 / 4.8
EER	W/W		4.03	3.3
	Btu/h.W		13.7	11.3
COP	W/W		4.1	3.71
Power Supply	Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50
Power Factor	%		96.3	98.1
Air Flow Rate	Indoor,Max	m³/min(CFM)	11.0(388)	11.0(388)
	Outdoor,Max	m³/min(CFM)	27.0(953)	27.0(953)
Moisture Removal	l/h.		1.1	1.3
Sound Level	Indoor,H/M/L	dB(A)±3	37 / 33 / 25	38 / 33 / 25
	Outdoor,Max	dB(A)±3	47	47
Refrigerant & Charge (at 7.5 m)	g(oz)		R410A, 900(31.75)	R410A,9,00(31.75)
Additional Refrigerant charge	g/m(oz/ft)		20(0.22)	20(0.22)
Compressor	Type		Rotary	Rotary
	Model		GA102DBA	GA102DBA
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FVC68D)	PVE(FVC68D)
	Oil Charge	cc	310	310
Fan(Indoor)	O.L.P. name		-	-
	Type		Cross Flow Fan	Cross Flow Fan
Fan(Outdoor)	Motor Output	W	20	20
	Type		Propeller	Propeller
	Motor Type		BLDC	BLDC
Circuit Breaker*	Motor Output	W	43	43
	A		15	15
Power Supply Cable	No.*mm²		3 x 1.0	3 x 1.0
Power and Transmission Cable No.*mm²	No.*mm²		4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	798 x 290 x 210	798 x 290 x 210
		inch	31.4 x 11.4 x 8.3	31.4 x 11.4 x 8.3
	Outdoor (W*H*D)	mm	717 x 483 x 230	717 x 483 x 230
		inch	28.2 x 19.0 x 9.1	28.2 x 19.0 x 9.1
Net Weight	Indoor	kg(lbs)	8.5(18.7)	8.5(18.7)
	Outdoor	kg(lbs)	28(61.7)	28(61.7)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)
	Heating(Outdoor)	°C (°F)	-10~24 (14~75.2)	-10~24 (14~75.2)
Piping Length (Min)	m(ft)		3(9.84)	3(9.84)
Piping Length (Max)	m(ft)		15(49.2)	15(49.2)
Chargeless	m(ft)		-	-
Max. Elevation Difference	m(ft)		7(23.0)	7(23.0)
Tool Code(Chassis)	Indoor + Outdoor		SH + UA3	SH + UA3
Functions	Temperature Control		Thermistor	Thermistor
	Plasma Filter		-	-
	Prefilter(washable/Anti-fungus)		O	O
	Auto Clean		O	O
	Natural Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		3 / 5 / 5	3 / 5 / 5
	Airflow Direction Control(Up& Down)		Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(Minute)		3	3
	Deice Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		-	-
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact		-	-
	PI 485		-	-

Note : O : Applie, X : Not applied, - : No relation
 • Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

4. Specifications

Models			AS-W1865DU3 S18AW S53	AS-W2465DU3 S24AW S53
Cooling Capacity		kW	0.90 ~ 5.28 ~ 5.80	3.87 ~ 7.03 ~ 7.47
		Btu/h.	3,070 ~ 18,000 ~ 19,800	13,200 ~ 24,000 ~ 25,500
Heating Capacity		kW	0.90 ~ 5.80 ~ 6.65	3.37 ~ 8.08 ~ 8.41
		Btu/h.	3,070 ~ 19,790 ~ 22,700	11,500 ~ 27,570 ~ 29,700
Power Input	Cooling/Heating	W	1,610 / 1,570	2,420 / 2,790
Running Current	Cooling/Heating	A	7.2 / 7.0	11.0 / 12.5
Starting Current	Cooling/Heating	A	7.2 / 7.0	11.0 / 12.5
EER		W/W	3.28	2.9
		Btu/h.W	11.2	9.92
COP		W/W	3.69	2.9
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	97.2	97.2
Air Flow Rate	Indoor,Max	m³/min(CFM)	16(565)	20.3(717)
	Outdoor,Max	m³/min(CFM)	42(1,483)	58(2,048)
Moisture Removal		l/h.	2.1	2.7
Sound Level	Indoor,H/M/L	dB(A)±3	42 / 39 / 36	45 / 42 / 37
	Outdoor,Max	dB(A)±3	52	54
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,350(47.62)	R410A, 1,800(63.49)
Additional Refrigerant charge		g/m(oz/ft)	20(0.21)	35(0.37)
Compressor	Type		Twin Rotary	Twin Rotary
	Model		GKT141DAA	GJT240DAA
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		FVC68D	PVE(FVD68C)
	Oil Charge	cc	570	900
	O.L.P. name		-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	30	76.1
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		BLDC	BLDC
	Motor Output	W	84	124
Circuit Breaker*		A	15	30
Power Supply Cable		No.*mm²	3 x 1.5	3 x 1.5
Power and Transmission Cable No.*mm²		No.*mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(in)	12.70(1/2)	15.88(5/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,090 x 300 x 178	1,090 x 300 x 178
		inch	42.9 x 11.8 x 7.0	42.9 x 11.8 x 7.0
	Outdoor (W*H*D)	mm	870 x 655 x 320	870 x 800 x 320
		inch	34.3 x 25.8 x 12.6	34.3 x 31.5 x 12.6
Net Weight	Indoor	kg(lbs)	13(29)	13(29)
	Outdoor	kg(lbs)	51(111.4)	60(132)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)
	Heating(Outdoor)	°C (°F)	-10~24 (14~75.2)	-10~24 (14~75.2)
Piping Length (Min)		m(ft)	-	-
Piping Length (Max)		m(ft)	20(65.6)	30(98.4)
Chargeless		m(ft)	-	-
Max. Elevation Difference		m(ft)	15(49.2)	15(49.2)
Tool Code(Chassis)	Indoor + Outdoor		S5 + UE	S5 + UE1 Plus
Functions	Temperature Control		Thermistor	Thermistor
	Plasma Filter		O	O
	Prefilter(washable/Anti-fungus)		O	O
	Auto Clean		O	O
	Natural Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		3 / 5 / 5	3 / 5 / 5
	Airflow Direction Control(Up& Down)		Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(Minute)		3	3
	Deice Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		PQRCVSL0*	PQRCVSL0*
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485		PMNFP14M0	PMNFP14M0

Note : O : Apply, X : Not applied, — : No relation

• Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

Inverter Single

4. Specifications

Models			AS-W306DGM0 S30AW NDO	AS-W366DGM0 S36AW NDO
Cooling Capacity	kW		3.60 ~ 8.00 ~ 8.80	4.00 ~ 9.00 ~ 9.80
	Btu/h.		12,283 ~ 27,296 ~ 30,026	13,648 ~ 30,708 ~ 33,438
Heating Capacity	kW		5.30 ~ 9.60 ~ 10.2	5.60 ~ 10.40 ~ 11.0
	Btu/h.		18,084 ~ 32,775 ~ 34,802	19,107 ~ 35,485 ~ 37,532
Power Input	Cooling/Heating	W	2,650 / 3,180	2,980 / 3,450
Running Current	Cooling/Heating	A	12.0 / 14.5	13.6 / 16.5
Starting Current	Cooling/Heating	A	12.0 / 14.5	13.6 / 16.5
EER	W/W		3.02	3.2
	Btu/h.W		10.3	10.3
COP	W/W		3.02	3.01
Power Supply	Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50
Power Factor	%		97	97
Air Flow Rate	Indoor,Max	m³/min(CFM)	21(350)	25(416)
	Outdoor,Max	m³/min(CFM)	58(2,048)	68(1,133)
Moisture Removal	l/h.		3.5	4.2
Sound Level	Indoor,H/M/L	dB(A)±3	46 / 43 / 39	47 / 44 / 41
	Outdoor,Max	dB(A)±3	54	58
Refrigerant & Charge (at 7.5 m)	g(oz)		R410A, 1,800(63.3)	R410A, 2,200(77.6)
Additional Refrigerant charge	g/m(oz/ft)		30(0.32)	35(0.38)
Compressor	Type		Rotary	Rotary
	Model		5KD240XAE21	5JD420XAD22
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		FV50S	FV50S
	Oil Charge	cc	900	1,300
Fan(Indoor)	O.L.P. name		CS-7L 115	CS-7L 115
	Type		Cross Flow Fan	Cross Flow Fan
Fan(Outdoor)	Motor Output	W	70	75
	Type		Propeller	Propeller
Fan(Outdoor)	Motor Type		BLDC	BLDC
	Motor Output	W	80	100
Circuit Breaker*	A		25	25
Power Supply Cable	No.*mm²		3 x 2.5	3 x 2.5
Power and Transmission Cable No.*mm²	No.*mm²		4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	15.88(5/8)	15.88(5/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,209 x 346 x 205	1,209 x 346 x 205
		inch	47.6 x 13.6 x 8.1	47.6 x 13.6 x 8.1
	Outdoor (W*H*D)	mm	870 x 800 x 320	870 x 1060 x 320
		inch	34.3 x 31.5 x 12.6	34.3 x 41.7 x 12.6
Net Weight	Indoor	kg(lbs)	18(39.7)	19(41.9)
	Outdoor	kg(lbs)	60(132.3)	75(165.3)
Operation Range	Cooling(Outdoor)	°C (°F)	-5 ~43 (23 ~109.4)	-10 ~43 (14 ~109.4)
	Heating(Outdoor)	°C (°F)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)
Piping Length (Min)	m(ft)		-	-
Piping Length (Max)	m(ft)		50(164)	50(164)
Chargeless	m(ft)		-	-
Max. Elevation Difference	m(ft)		30(98.4)	30(98.4)
Tool Code(Chassis)	Indoor + Outdoor		SD + UE1	SD + UE2
Functions	Temperature Control		Thermistor	Thermistor
	Plasma Filter	O	O	O
	Prefilter(washable/Anti-fungus)	O	O	O
	Auto Clean	O	O	O
	Natural Wind(Auto Wind)	O	O	O
	Steps, Fan/Cool/Heat		3 / 4 / 3	3 / 4 / 3
	Airflow Direction Control(Up& Down)		Auto	Auto
	Airflow Direction Control(Left & Right)		Auto	Auto
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(Minute)		3	3
	Deice Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		-	-
	Wireless remote controller		Wireless LCD(EZ-Remocon)	Wireless LCD(EZ-Remocon)
	Dry contact		-	-
	PI 485		-	-

Note : O : Applie, X : Not applied, - : No relation

* Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

4. Specifications

Inverter Single, General Wall Mounted(#2)

Models		Unit	AS-W096B4W0 E09SQ SB0	AS-W126B4W0 E12SQ SBO
Cooling Capacity		kW	0.89~2.50~3.70	0.90~3.50~4.04
Heating Capacity		kW	0.89~3.20~4.10	0.89~4.00~5.10
Low Temp. Heating Capacity(-7°C)		kW	3	3.6
Power Input	Cooling/Heating	W	600 / 770	1,010 / 1,050
Running Current	Cooling/Heating	A	2.66 / 3.40	4.60 / 4.65
Starting Current	Cooling/Heating	A	2.66 / 3.40	4.60 / 4.65
Max Current	Cooling/Heating	A	10	10
EER		W/W	4.17	3.47
COP		Btu/h.W	14.2	11.84
COP		W/W	4.16	3.81
Annual energy consumption	Cooling	kWh	300	505
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	98	95.5
Air Flow Rate	Indoor,Max	m³/min(CFM)	12.0(423)	12.0(423)
	Outdoor,Max	m³/min(CFM)	27(953)	27(953)
Moisture Removal		l/h.	1.1	1.3
Sound Pressure Level	Indoor,H/M/L/Sleep	dB(A)±3	38 / 33 / 23 / 19	39 / 33 / 23 / 19
	Outdoor,Max	dB(A)±3	47	47
Sound Power Level	Indoor,Max	dB(A)	57	57
	Outdoor,Max	dB(A)	65	65
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 900(31.75)	R410A,900(31.75)
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)
Compressor	Type		Rotary	Rotary
	Model		GA102DBA	GA102DBA
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		FVC68D	FVC68D
	Oil Charge	cc	310	310
O.L.P. name			-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	20	20
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		BLDC	BLDC
	Motor Output	W	43	43
Circuit Breaker*		A	15	15
Power Supply Cable		No.*mm²	3 x 1.0	3 x 1.0
Power and Transmission Cable No.*mm²		No.*mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	885*285*210	885*285*210
		inch	35.2*11.2*8.3	35.2*11.2*8.3
	Outdoor (W*H*D)	mm	717*483*230	717*483*230
		inch	28.2*19.0*9.1	28.2*19.0*9.1
Net Weight	Indoor	kg(lbs)	11(24.5)	11(24.5)
	Outdoor	kg(lbs)	28(61.7)	28(61.7)
Operation Range	Cooling(Outdoor)	°C (°F)	-5 ~48 (23 ~118.4)	-5 ~48 (23 ~118.4)
	Heating(Outdoor)	°C (°F)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)
Piping Length (Min/Max)		m(ft)	3(9.84) / 15(49.2)	3(9.84) / 15(49.2)
Chargeless		m(ft)	-	-
Max. Elevation Difference		m(ft)	7(23.0)	7(23.0)
Tool Code(Chassis)			SB + UA3	SB + UA3
Functions	Indoor + Outdoor		Thermistor	Thermistor
	Temperature Control		-	-
	Plasma Filter		-	-
	Prefilter(washable/anti-fungus)		O	O
	Anti Allergy Filter		O	O
	Deodorizer Filter(Triple Filter)		O	O
	H1N1 Filter		-	-
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		3/4/3	3/4/3
	Airflow Direction Control(up& Down)		Auto	Auto
	Airflow Direction Control(left & right)		Manual	Manual
	Remote Controller Type		Wireless LCD	Wireless LCD
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Device Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		PQRCVSL0*	PQRCVSL0*
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485		-	-

Note : O : Applie, X : Not applied, - : No relation
• Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

Inverter Single

4. Specifications

Models		Unit	AS-W186C4W0 E18SQ SC0	AS-W246C4W0 E24SQ SC0
Cooling Capacity		kW	0.90 ~ 5.20 ~ 6.00	0.90 ~ 7.03 ~ 8.65
Heating Capacity		kW	0.90 ~ 6.30 ~ 9.00	0.90 ~ 8.44 ~ 11.40
Low Temp. Heating Capacity(-7°C)		kW	5.5	8.5
Power Input	Cooling/Heating	W	1,500 / 1,650	2,190 / 2,330
Running Current	Cooling/Heating	A	6.6 / 7.3	9.8 / 10.4
Starting Current	Cooling/Heating	A	6.6 / 7.3	9.8 / 10.4
Max Current	Cooling/Heating	A	12.5	19
EER		W/W	3.47	3.21
		Btu/h.W	11.8	11
COP		W/W	3.82	3.62
Annual energy consumption	Cooling	kWh	750	1095
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	98.8	98.2
Air Flow Rate	Indoor,Max	m³/min(CFM)	19.5(689)	22(777)
	Outdoor,Max	m³/min(CFM)	50(1,766)	60(2,119)
Moisture Removal		l/h.	1.9	2.6
Sound Pressure Level	Indoor,H/M/L/Sleep	dB(A)±3	42 / 40 / 35 / 29	45 / 40 / 35 / 29
	Outdoor,Max	dB(A)±3	51	53
Sound Power Level	Indoor,Max	dB(A)	63	65
	Outdoor,Max	dB(A)	70	70
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,350(47.62)	R410A, 1,800(63.49)
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	35(0.37)
Compressor	Type		Twin Rotary	Twin Rotary
	Model		GKT141DAA	GJT240DAA
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		FVC68D	FVC68D
	Oil Charge	cc	570	900
O.L.P. name			-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	30	30
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		BLDC	BLDC
	Motor Output	W	84	124
Circuit Breaker*		A	20	25
Power Supply Cable		No.*mm²	3 x 1.5	3 x 2.5
Power and Transmission Cable No.*mm²		No.*mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(in)	12.70(1/2)	15.88(5/8)
	Drain Hose(O.D/I.D)	mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0 (0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,030*325*250	1,030*325*250
		inch	40.6*12.8*9.84	40.6*12.8*9.84
	Outdoor (W*H*D)	mm	870*655*320	870*800*320
		inch	34.3*25.8*12.6	34.3*31.5*12.6
Net Weight	Indoor	kg(lbs)	17(37.5)	17(37.5)
	Outdoor	kg(lbs)	46(101.4)	60(132)
Operation Range	Cooling(Outdoor)	°C (°F)	-10 ~48 (14 ~118.4)	-10 ~48 (14 ~118.4)
	Heating(Outdoor)	°C (°F)	-10 ~24 (14 ~75.2)	-10 ~24 (14 ~75.2)
Piping Length (Min/Max)		m(ft)	- / 20(65.6)	- / 30(98.4)
Chargeless		m(ft)	-	-
Max. Elevation Difference		m(ft)	15(49.2)	15(49.2)
Tool Code(Chassis)			SC + UE	SC + UE1 Plus
Functions	Indoor + Outdoor		Thermistor	Thermistor
	Temperature Control			
	Plasma Filter		-	-
	Prefilter(washable/anti-fungus)		O	O
	Anti Allergy Filter		O	O
	Deodorizer Filter(Triple Filter)		O	O
	H1N1 Filter		-	-
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		3/4/3	3/4/3
	Airflow Direction Control(up& Down)		Auto	Auto
	Airflow Direction Control(left & right)		Manual	Manual
	Remote Controller Type		Wireless LCD	Wireless LCD
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		O	O
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Device Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		O	O
	Deluxe wired remote controller		PQRCVSL0*	PQRCVSL0*
	Dry contact		PQDSA, PQDSBPQDSB1, PQDSBC	PQDSA, PQDSBPQDSB1, PQDSBC
	PI 485		PMNFP14A0	PMNFP14A0

4. Specifications

Inverter single, Mega Hit (#1)

Model		Set	S09MH (AS-W096WSA0)	S12MH (AS-W126BSA0)
		Indoor Unit	S09MH NWO (ASNW096WSA0)	S12MH NBO (ASNW126BSA0)
		Outdoor Unit	S09MH UW0 (ASUW096WUL0)	S12MH UB0 (ASUW126BUL0)
Cooling Capacity		kW	0.89~2.50~2.80	0.89~3.50~3.80
		Btu/h.	3,036~8,530~9,554	3,036~11,942~12,966
Heating Capacity		kW	0.89~2.80~3.00	0.89~3.80~4.20
		Btu/h.	3,036~9,554~10,236	3,036~12,966~14,330
Power Input	Cooling/Heating	W	780/770	1,090/1,050
Running Current	Cooling/Heating	A	3.6/3.5	5.0/4.8
Starting Current	Cooling/Heating	A	3.6/3.5	5.0/4.8
EER		W/W	3.21	3.21
		Btu/h.W	10.95	10.95
COP		W/W	3.64	3.62
Power Supply		Ø / V / Hz	1/220-240/50	1/220-240/50
Power Factor		%	95	95.3
Air Flow Rate	Indoor,Max	m³/min(CFM)	9.0(298)	12.0(397)
	Outdoor,Max	m³/min(CFM)	27.0(953)	27.0(953)
Moisture Removal		l/h	1	1.3
Sound Level	Indoor,H/M/L	dB(A)±3	39/33/25	39/33/25
	Outdoor,Max	dB(A)±3	47	47
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 750 (26.5)	R410A, 930(32.8)
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)
Compressor	Type		1P Rotary	1P Rotary
	Model		GA092MMA	5RS102XAA21
	Motor Type		Brushless DC Motor	Brushless DC Motor
	Oil Type		PVE(FVD68D)	PVE(FV50S)
	Oil Charge	cc	310	320
O.L.P. name			-	-
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan
	Motor Output	W	20	20
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		AC	AC
	Motor Output	W	75	75
Circuit Breaker*		A	15	15
Power Supply Cable		No.*mm²	3*1.0	3*1.0
Power and Transmission Cable No.*mm²		No.*mm²	4*1.0(Including Earth)	4*1.0(Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)
Drain Hose(O.D / I.D.)		mm(in)	21.5,16.0(0.85,0.63)	21.5,16.0(0.85,0.63)
Dimensions	Indoor (W*H*D)	mm	756*265*184	885*285*210
		inch	29.8*10.4*7.2	35.2*11.2*8.3
	Outdoor (W*H*D)	mm	717*483*230	717*483*230
		inch	28.2*19.0*9.1	28.2*19.0*9.1
Net Weight	Indoor	kg(lbs)	7.2(15.9)	10(22.0)
	Outdoor	kg(lbs)	23.2(51.1)	28(61.7)
Gross Weight	Indoor	kg(lbs)	8.6(19.0)	12(26.5)
	Outdoor	kg(lbs)	24.8(54.7)	30(66.1)
Operation Range	Cooling(Outdoor)	°C	18~48	18~48
	Heating(Outdoor)	°C	-5~24	-5~24
Piping Length	Min	m(ft)	3(9.84)	3(9.84)
	Max	m(ft)	15(49.2)	15(49.2)
Chargeless		m(ft)	-	-
Max. Elevation Difference		m(ft)	7(23.0)	7(23.0)
Tool Code(Chassis)	Indoor + Outdoor		SW + UA3 Plus	SB + UA3 Plus
Functions	Temperature Control		Thermistor	Thermistor
	Plasma Filter		-	-
	Pre-filter(washable/anti-fungus)		O	O
	Anti Allergy free filter		-	-
	Deodorizer Filter(Triple Filter)		O	O
	H1N1 Filter		-	-
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		-	-
	Steps, Fan/Cool/Heat		3/3/3	3/3/3
	Airflow Direction Control(up& Down)		-	-
	Airflow Direction Control(left & right)		-	-
	Remote Controller Type		Wireless LCD(Better)	Wireless LCD(Better)
	Setting Temperature	Cooling	18°C ~ 30°C	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Deice Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		-	-

Note :

O : Apply, X : Not applied, - : No relation
 • Filters are optional in some specific areas.

* For Circuit Breaker Rating, please conform to local standards whenever necessary.

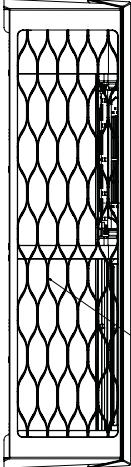
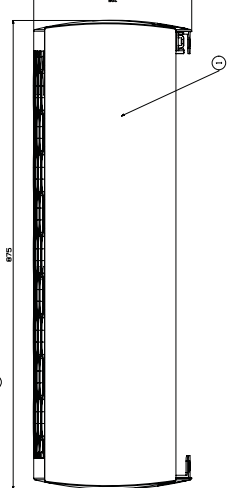
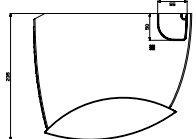
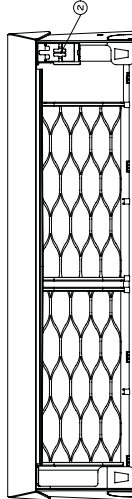
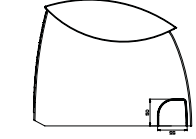
** The fuctions are applied after March 1,2010.

Inverter Single

5. Dimensional drawings

5.1 Indoor Units

Hyper

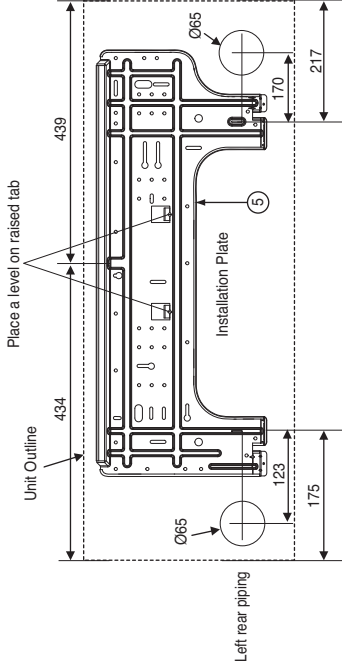






Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Knockout hole	For pipe and cable
5	Installation Plate	

Note

- The unit should be installed according to installation manual which is in the product box.
- The Unit is powered from the outdoor unit. So power cable should be connected with the outdoor unit.

[Unit : mm]



Unit Outline

Place a level on raised tab

Installation Plate

Left rear piping

Right rear piping

CHASSIS CODE : SM



LG Electronics

5. Dimensional drawings

Inverter Single

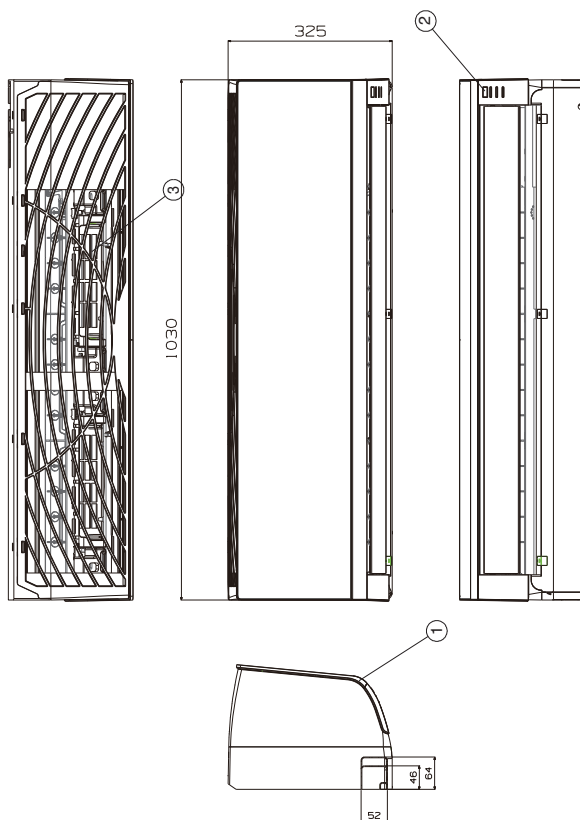
[illegible]

5. Dimensional drawings

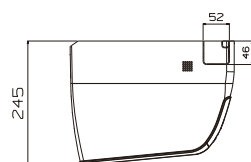
49 _ Inverter Single-50Hz(R410A)

5. Dimensional drawings

Libero ARTCOOL



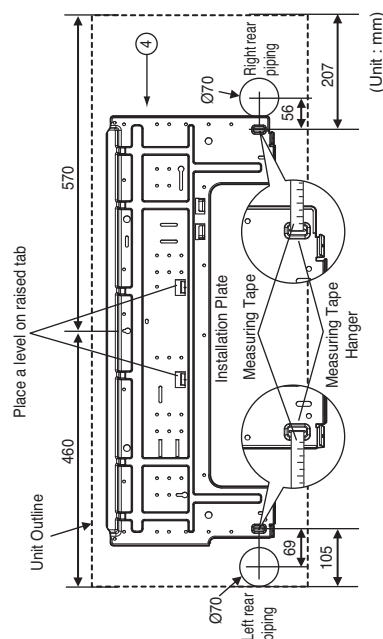
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Installation Plate	



Note

1. The unit should be installed according to installation manual which is in the product box.
2. The Unit is powered from the outdoor unit. So power cable should be connected with the outdoor unit.

[Unit : mm]



Unit : mm)

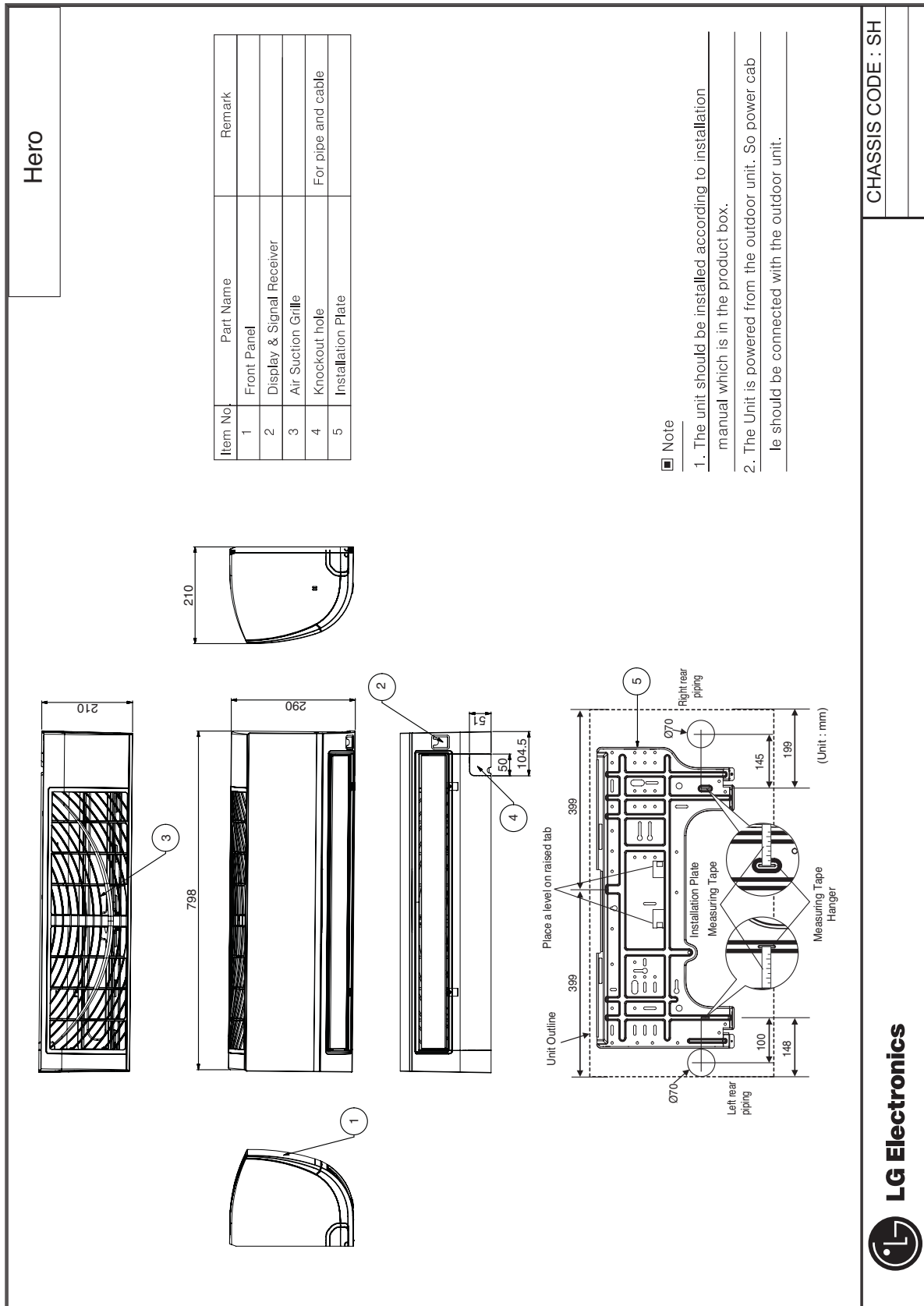


LG Electronics

CHASSIS CODE : SC

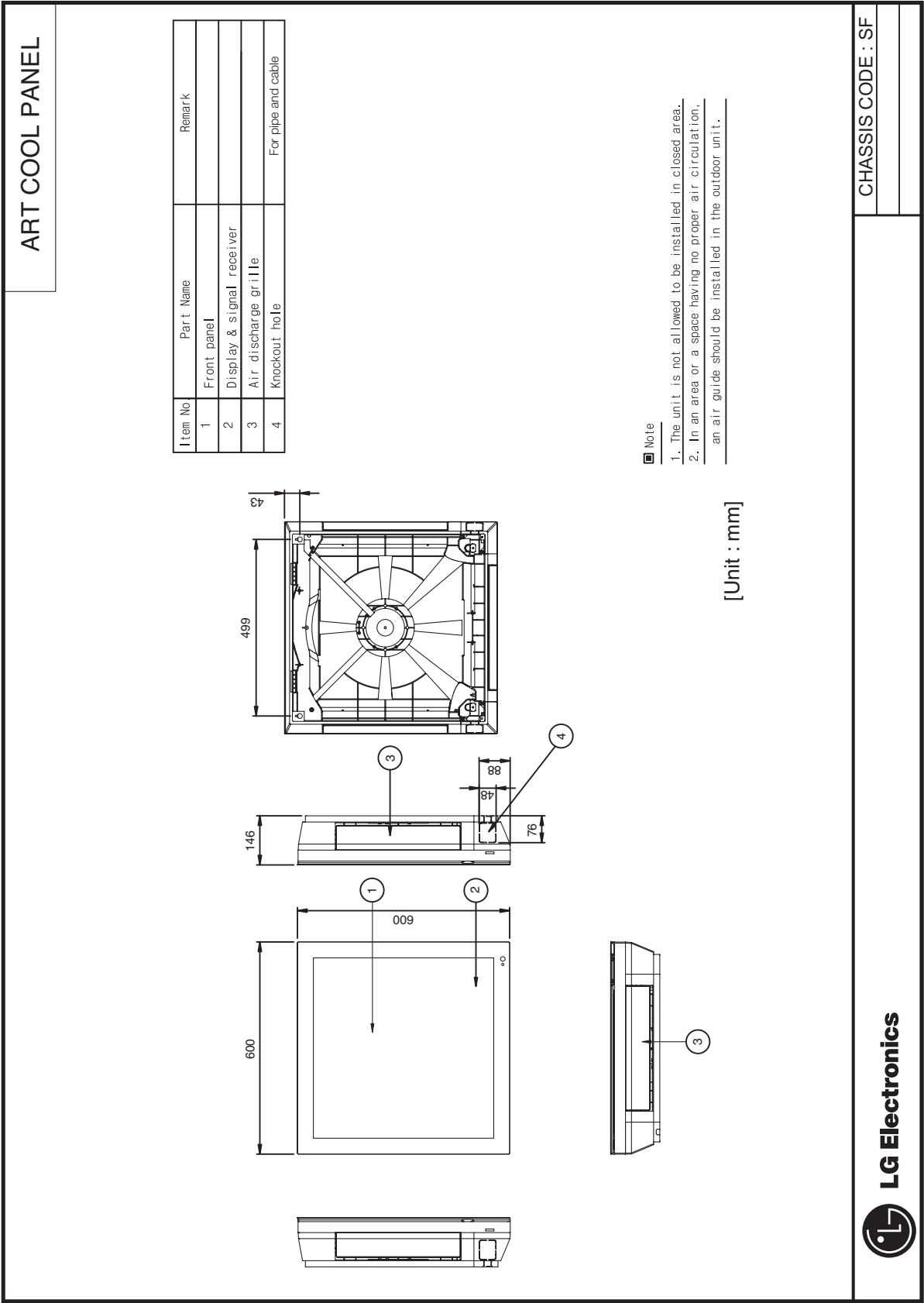
Inverter Single

5. Dimensional drawings



Inverter Single

5. Dimensional drawings

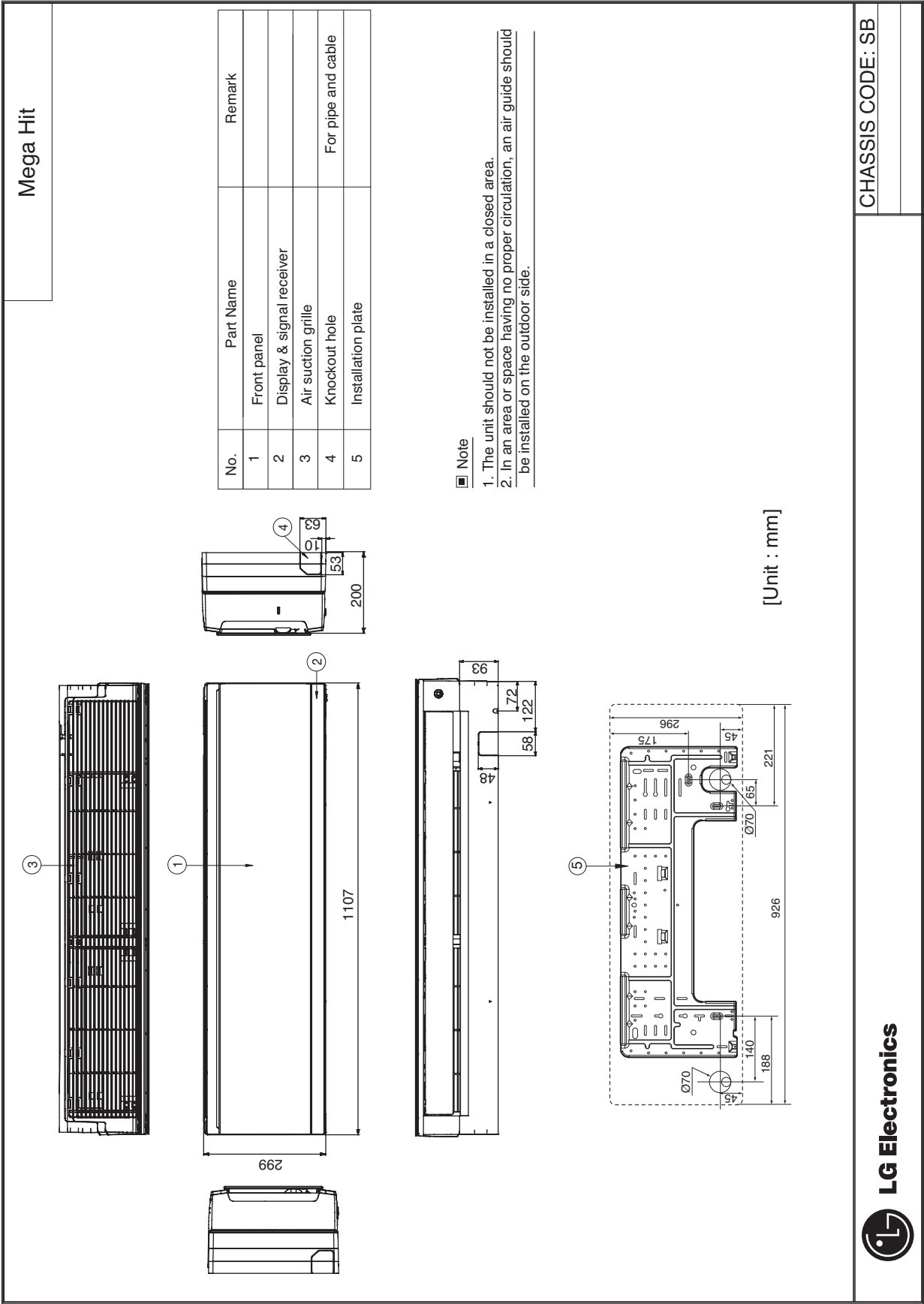


5. Dimensional drawings

53 _ Inverter Single-50Hz(R410A)

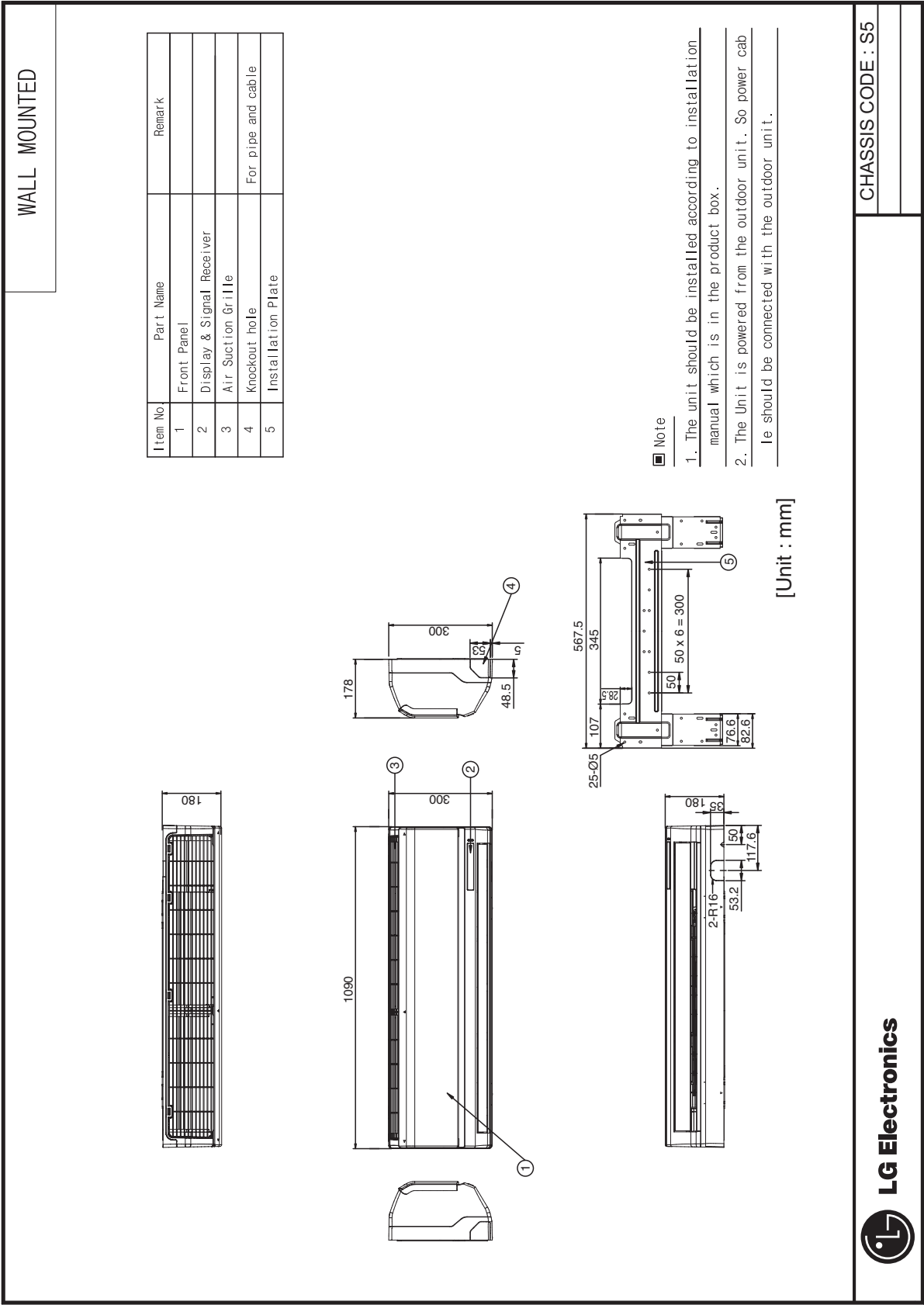
Inverter Single

5. Dimensional drawings



Inverter Single

5. Dimensional drawings



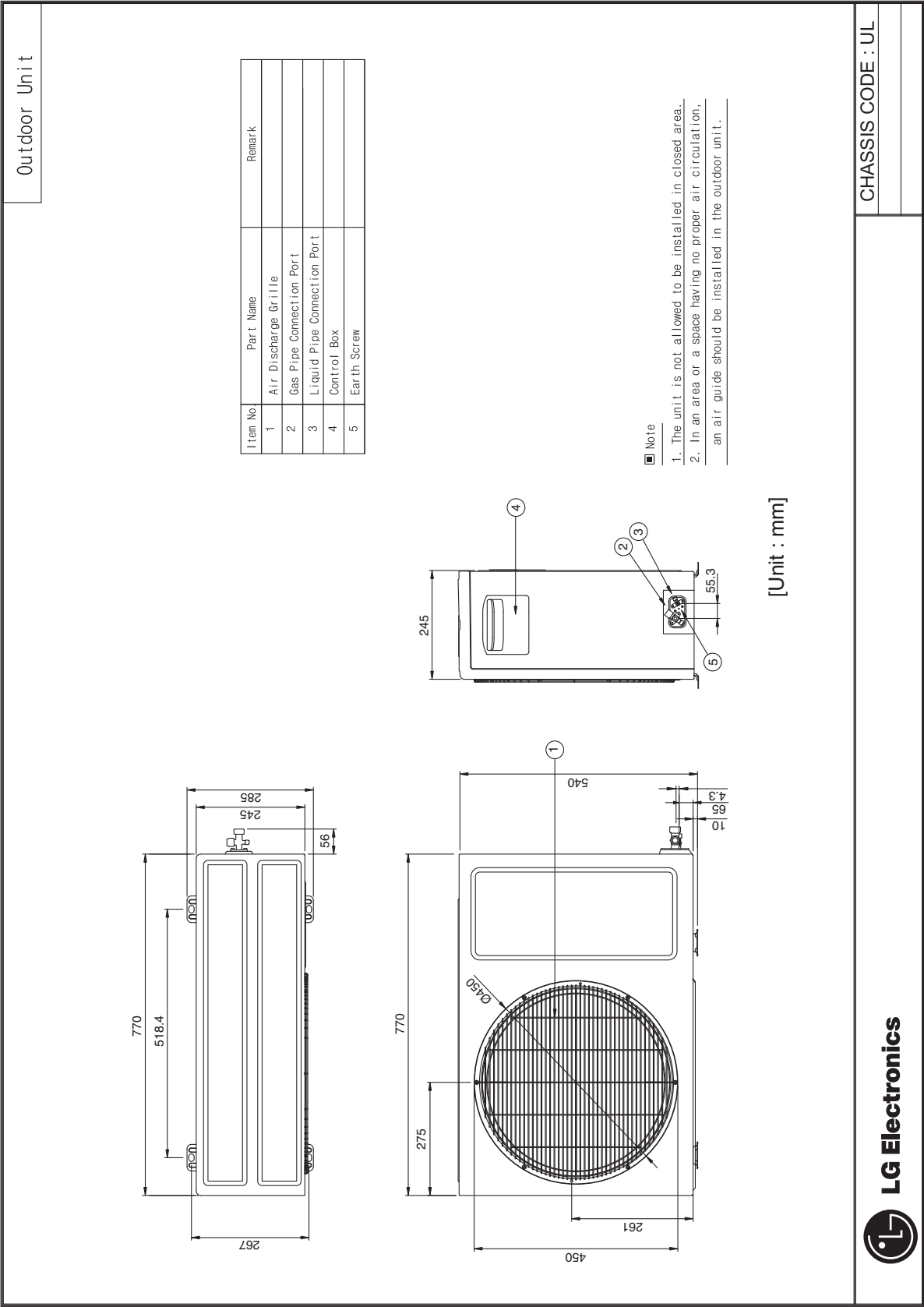
5. Dimensional drawings



Inverter Single

5. Dimensional drawings

5.2 Outdoor Units



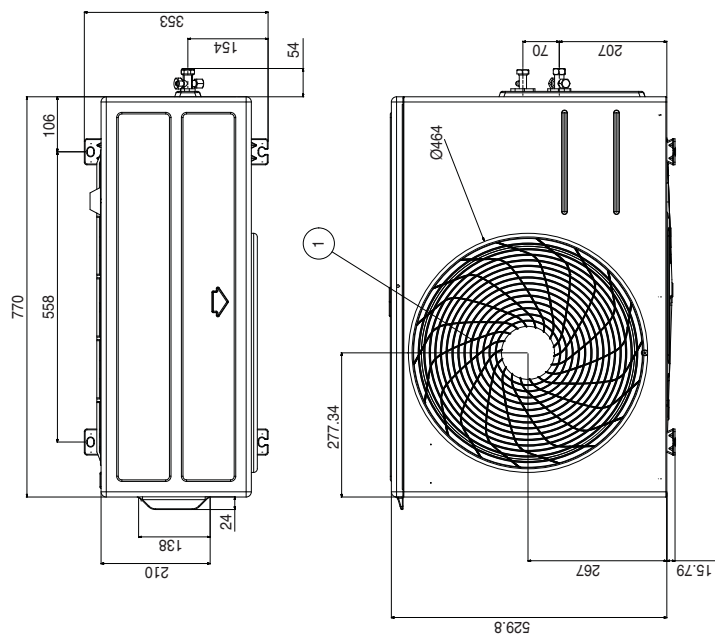
5. Dimensional drawings

Outdoor Unit

Item No	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

Note

1. The unit is not allowed to be installed in closed area.
2. In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.



[Unit : mm]

CHASSIS CODE : UL2

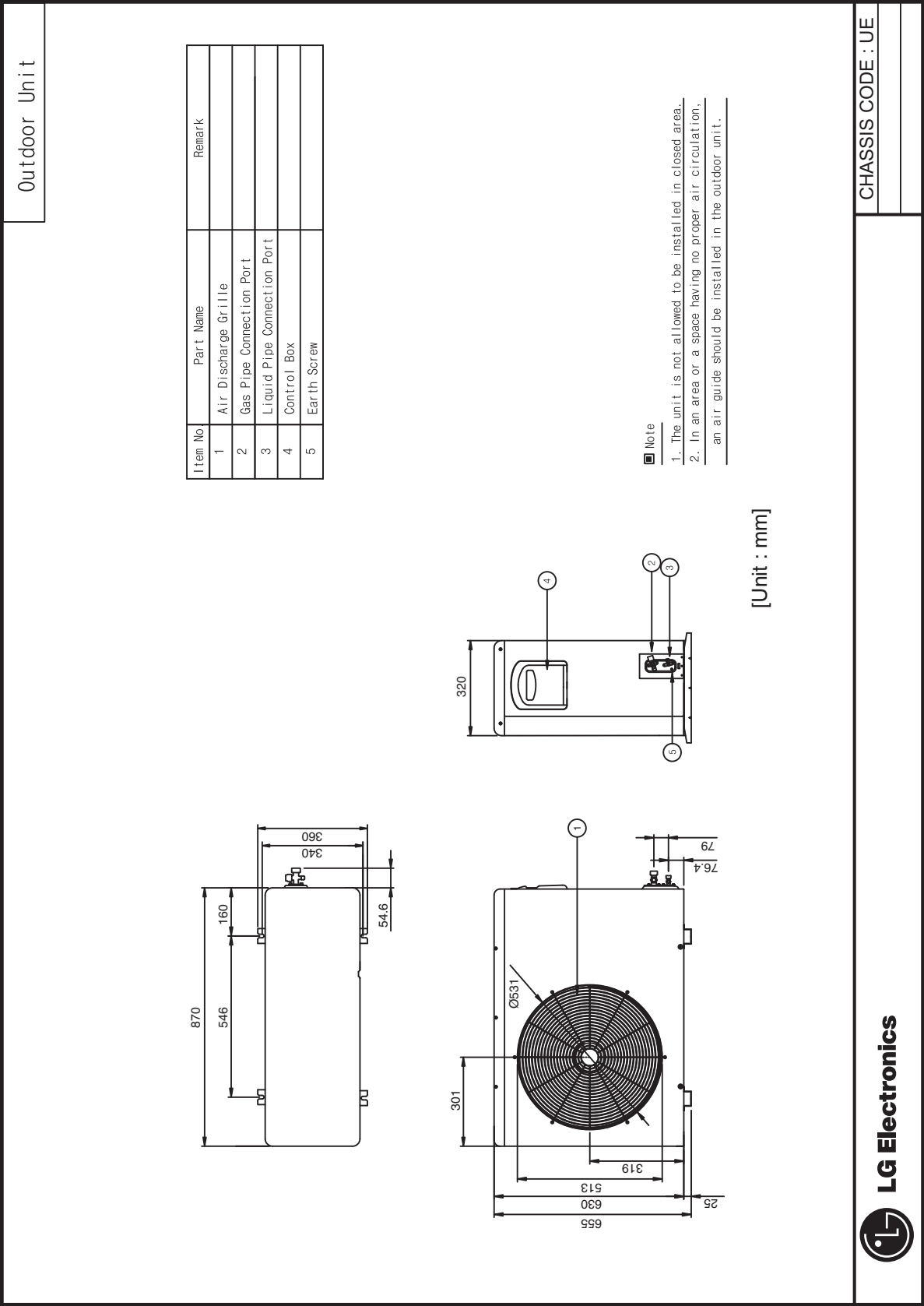


LG Electronics

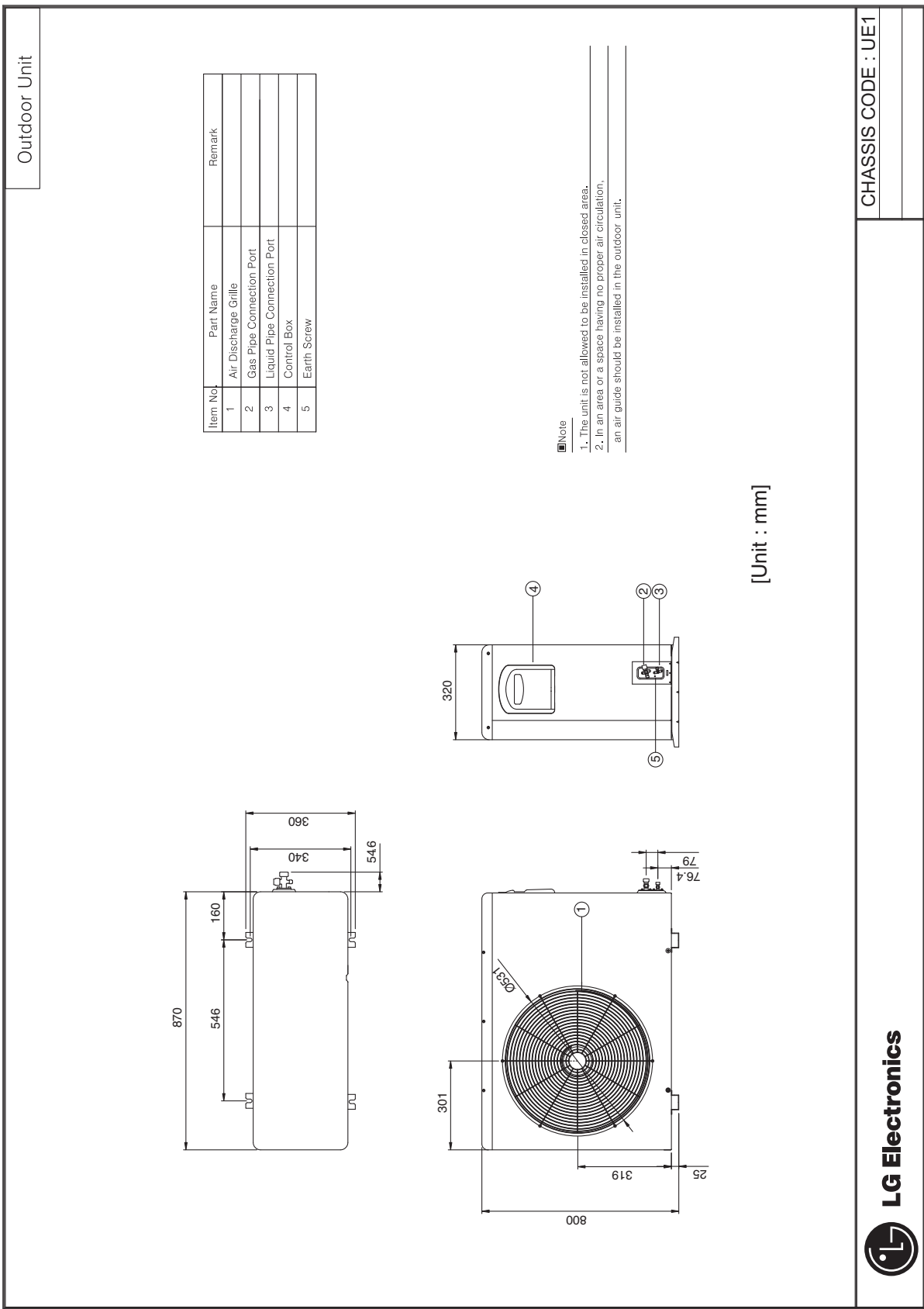
Inverter Single

Inverter Single

5. Dimensional drawings

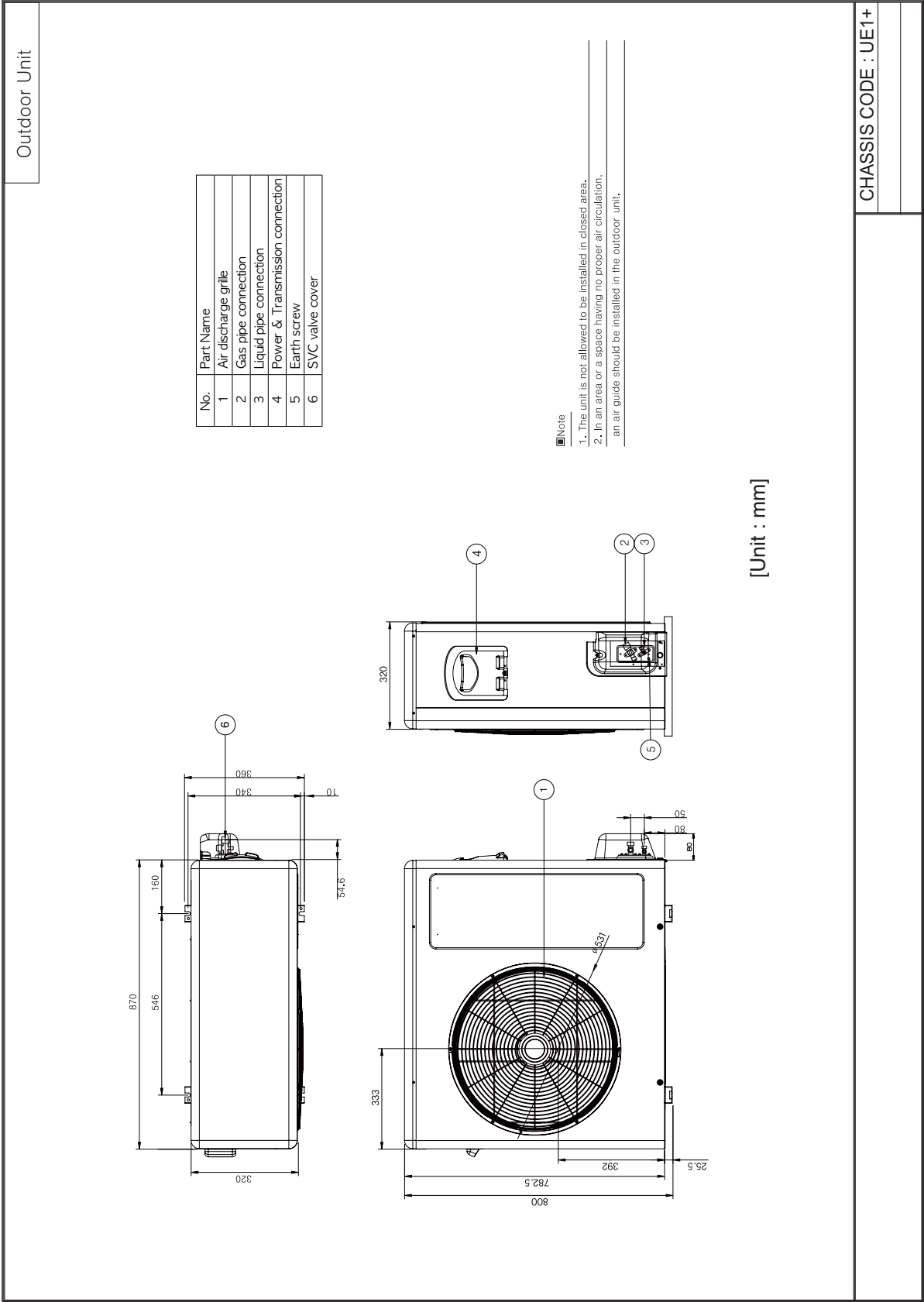


5. Dimensional drawings

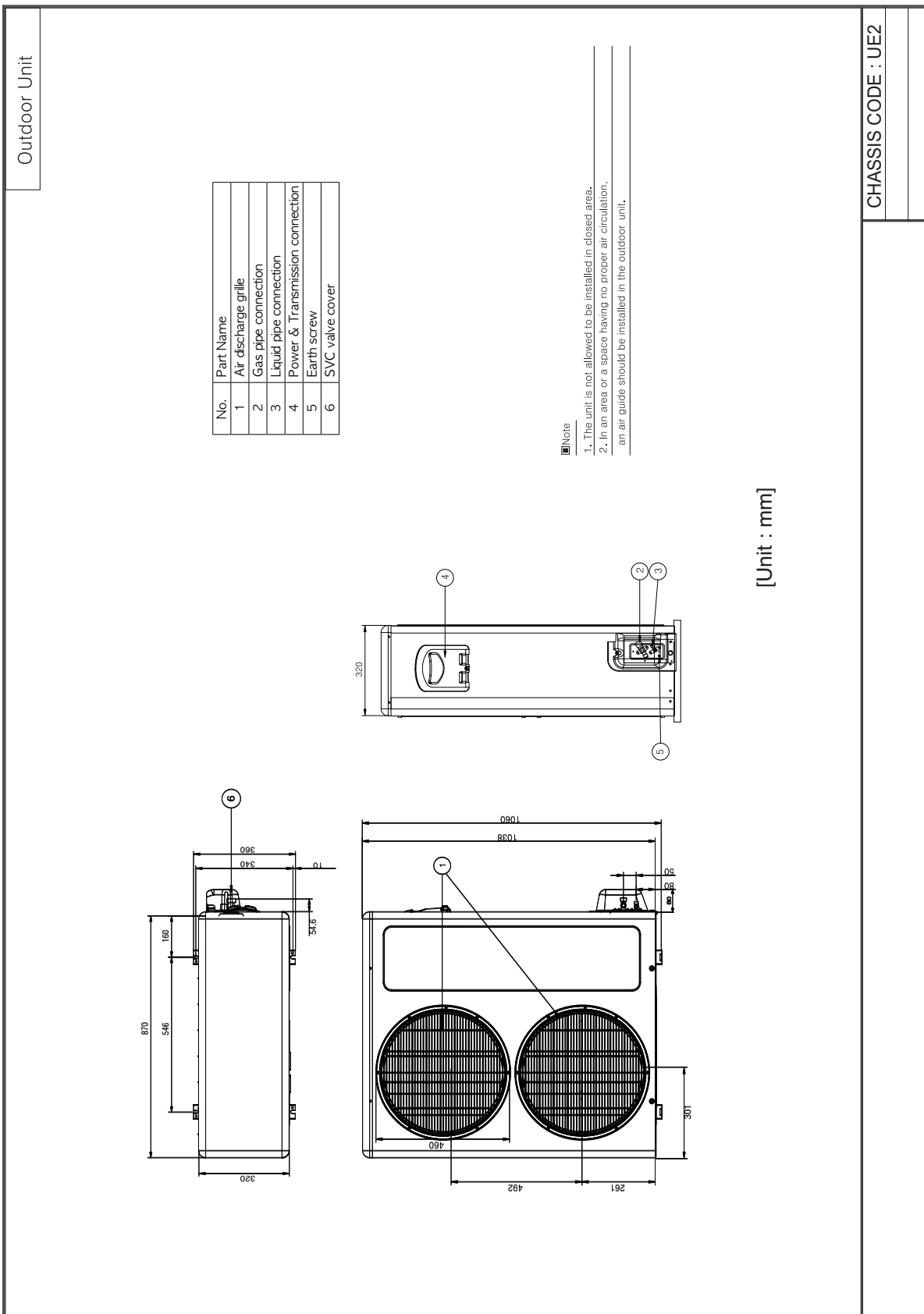


Inverter Single

5. Dimensional drawings

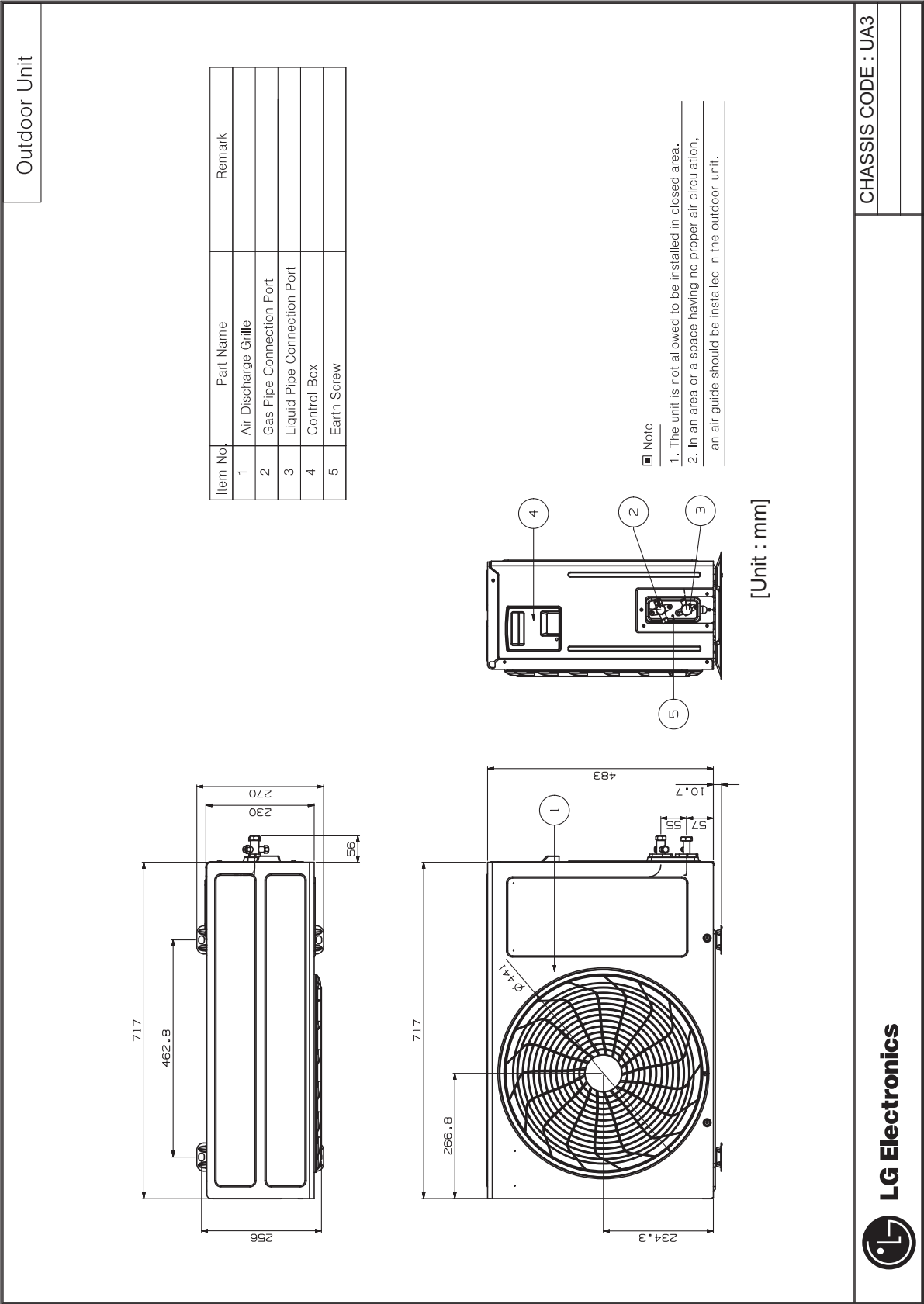


5. Dimensional drawings



Inverter Single

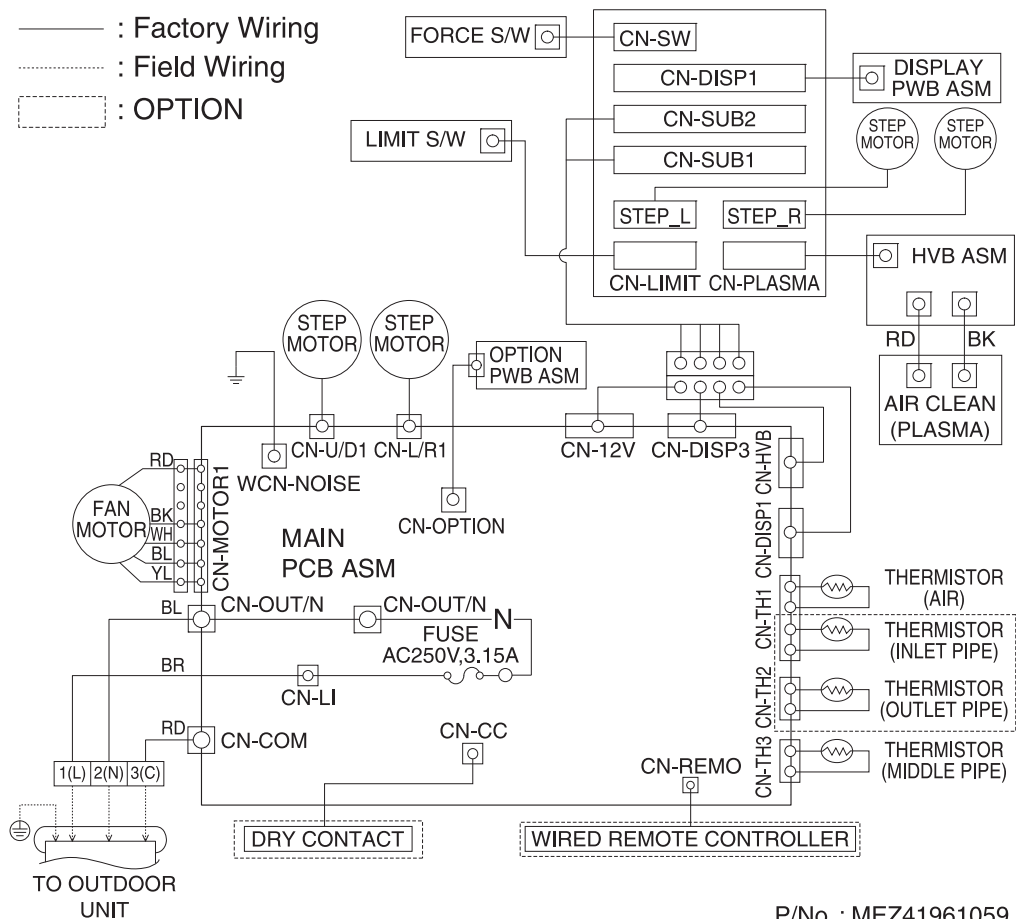
5. Dimensional drawings



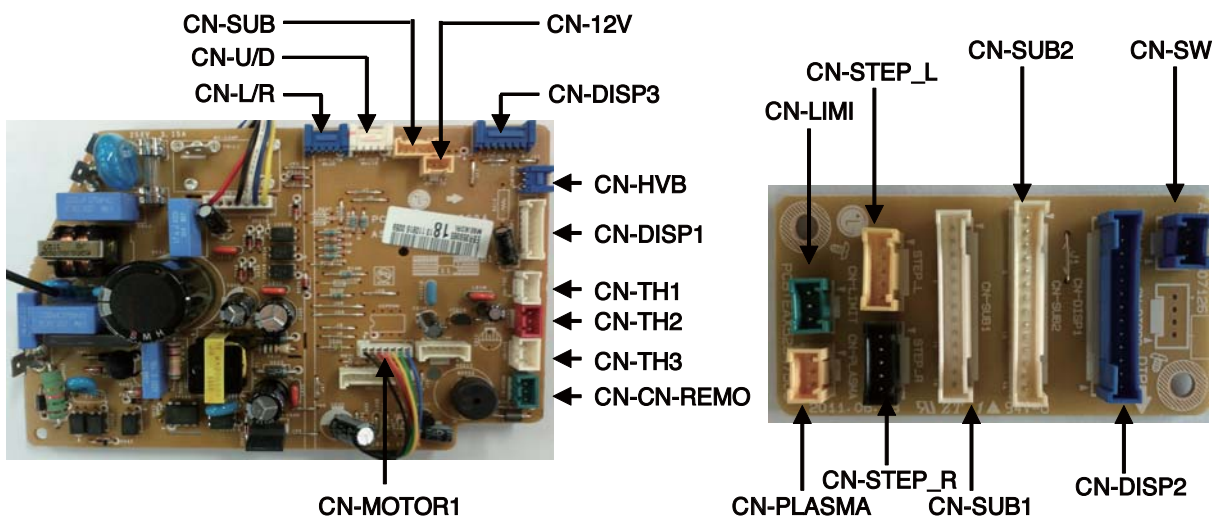
6. Wiring diagrams

6.1 Indoor units

Models: ASNW096WSA0, ASNW126WSA0



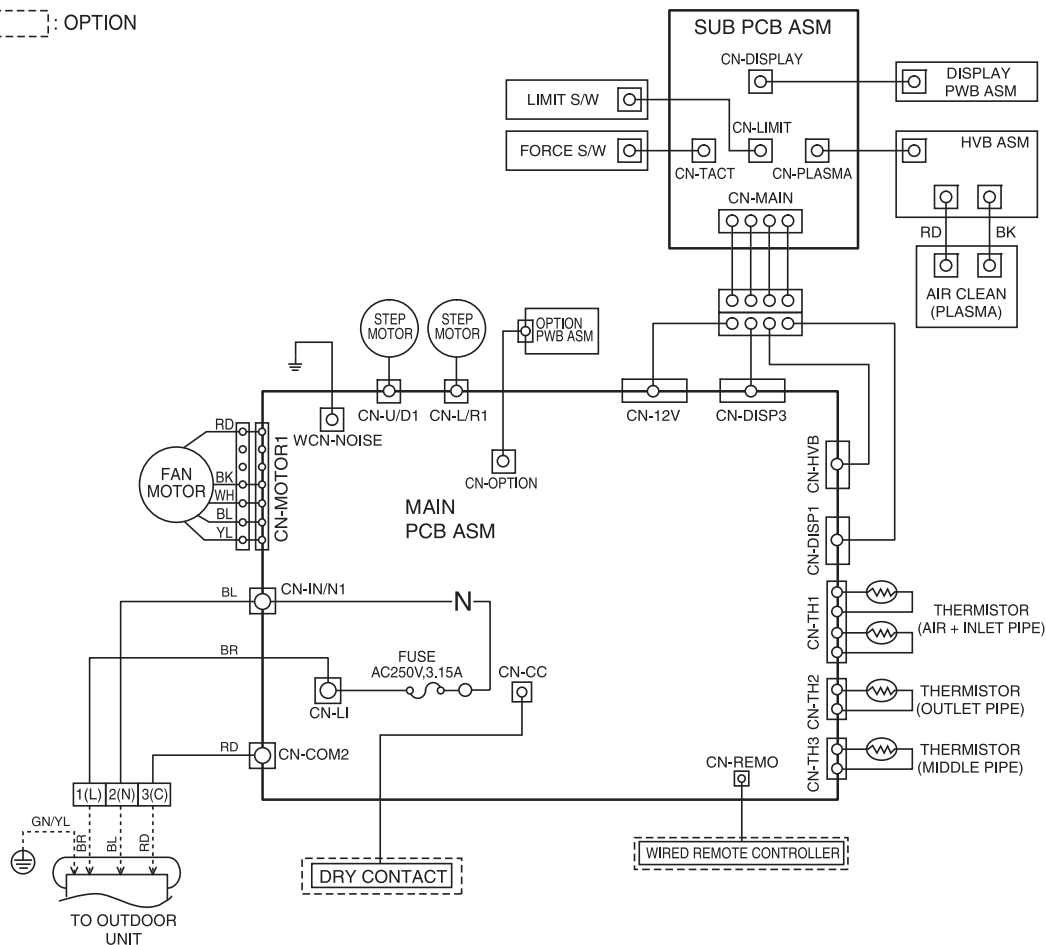
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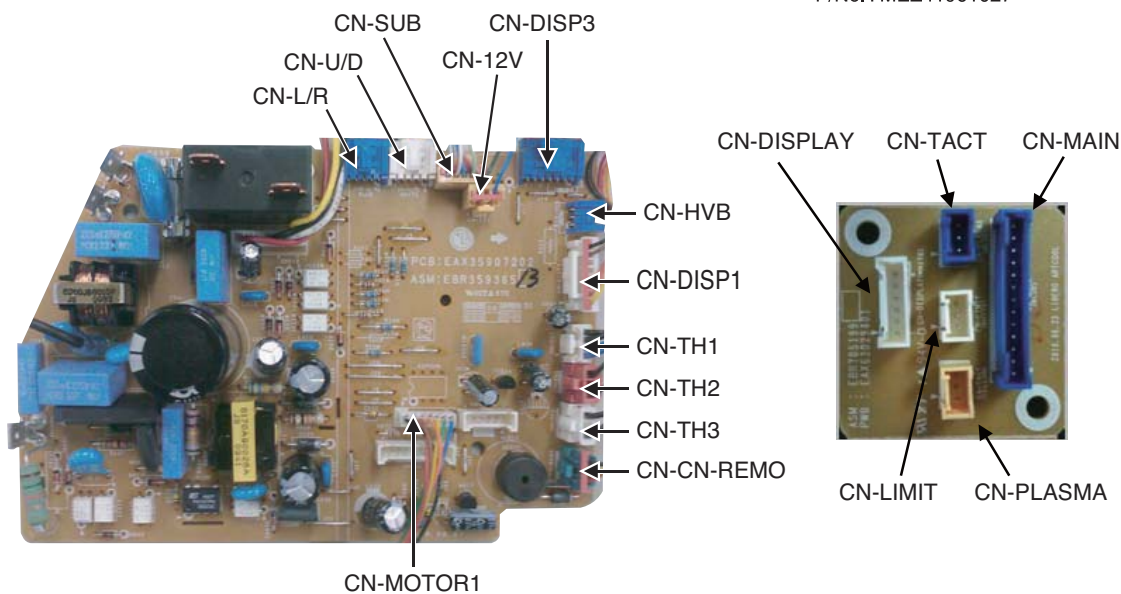
6. Wiring diagrams

Models: ASNH09GB*U0, ASNH12GB*U0 (* : R / V / W)

[] : OPTION



P/No.: MEZ41961027



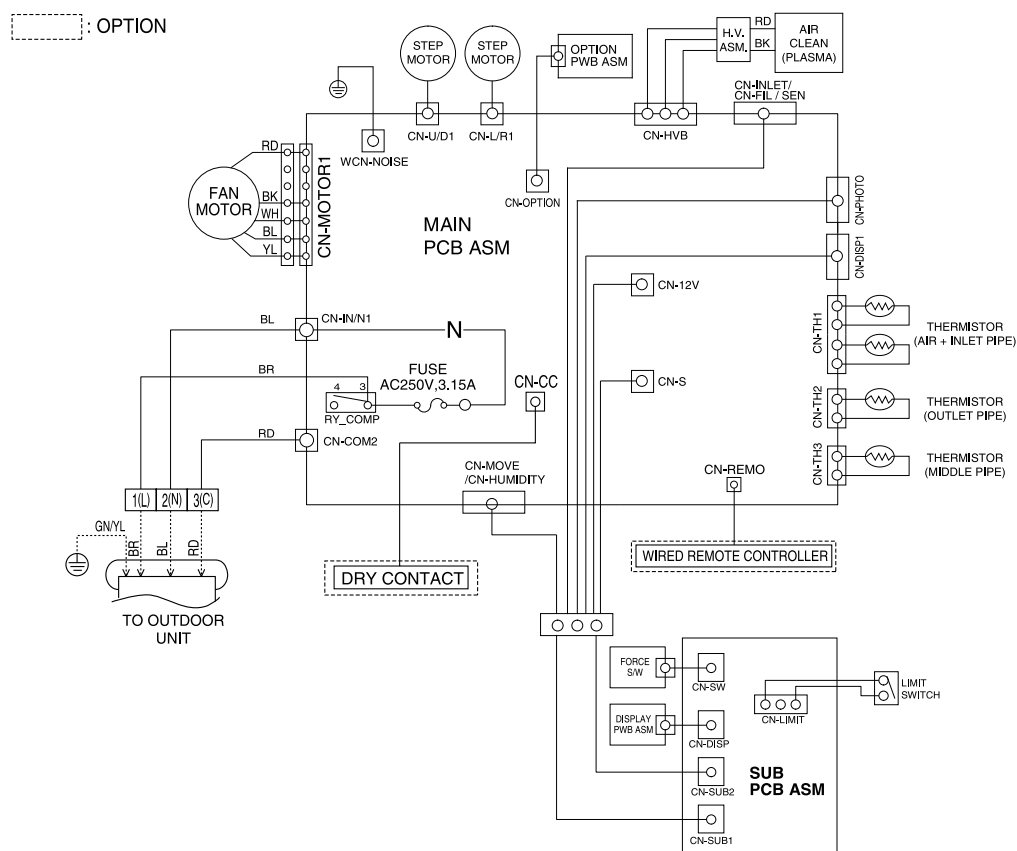
Main PCB

Sub PCB

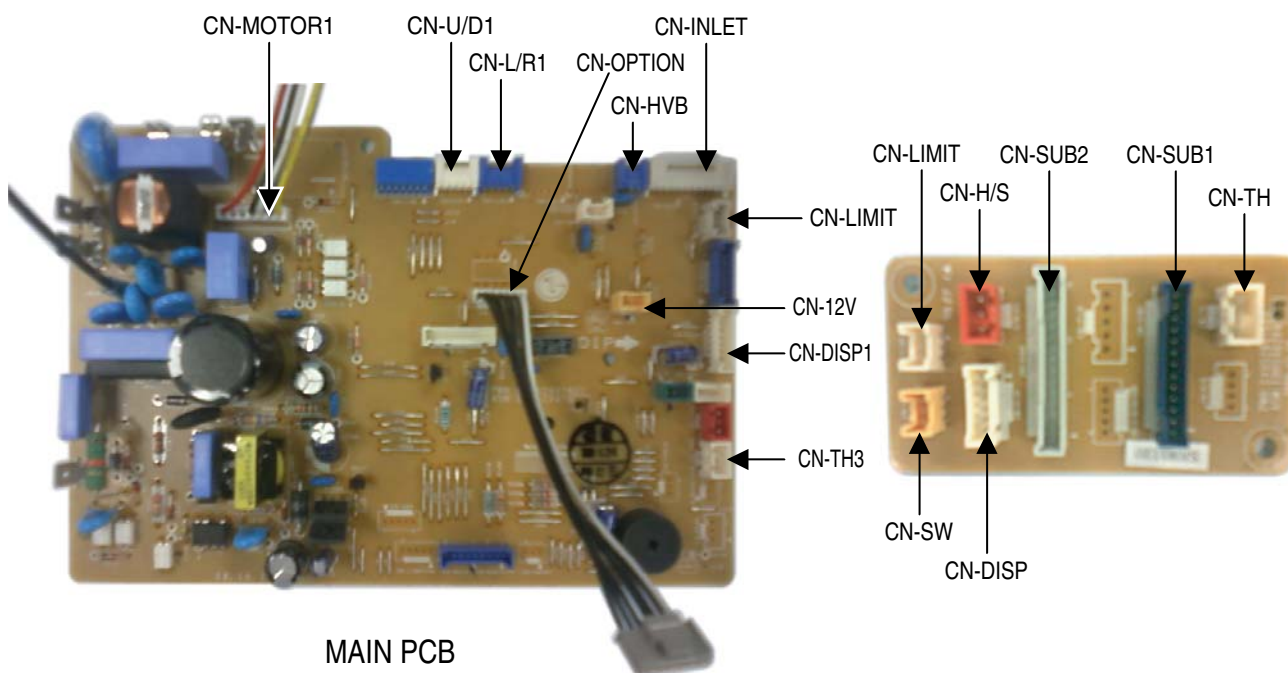
Inverter Single

6. Wiring diagrams

Models: ASNH09GB1U0, ASNH12GB1U0

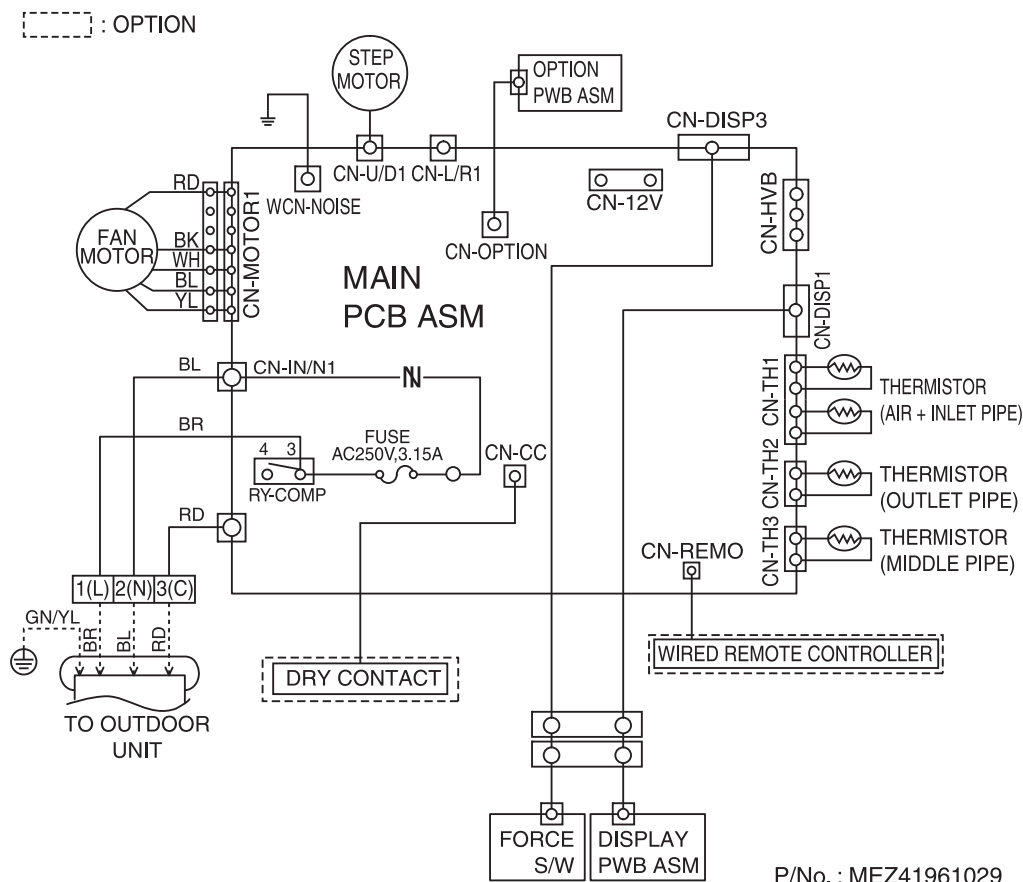


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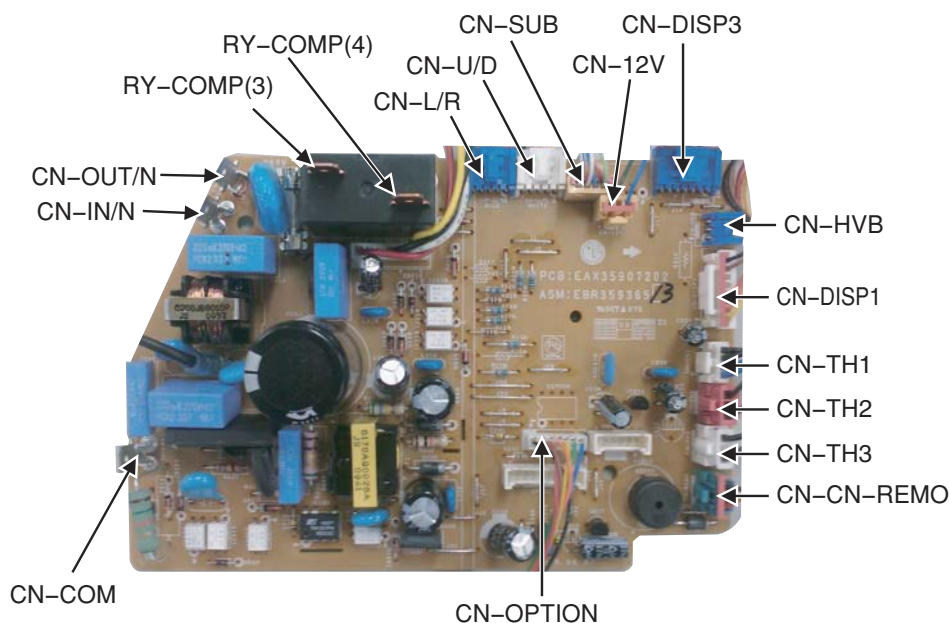


6. Wiring diagrams

Models: ASNH09GB4W0, ASNH12GB4W0



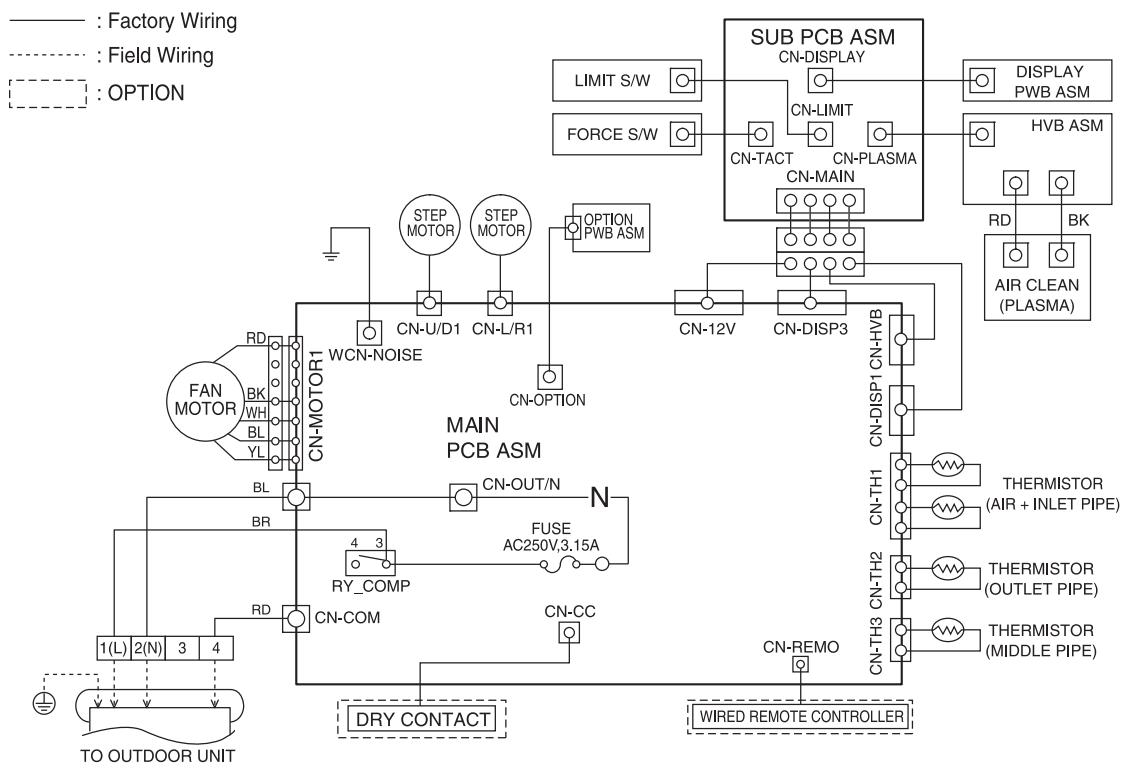
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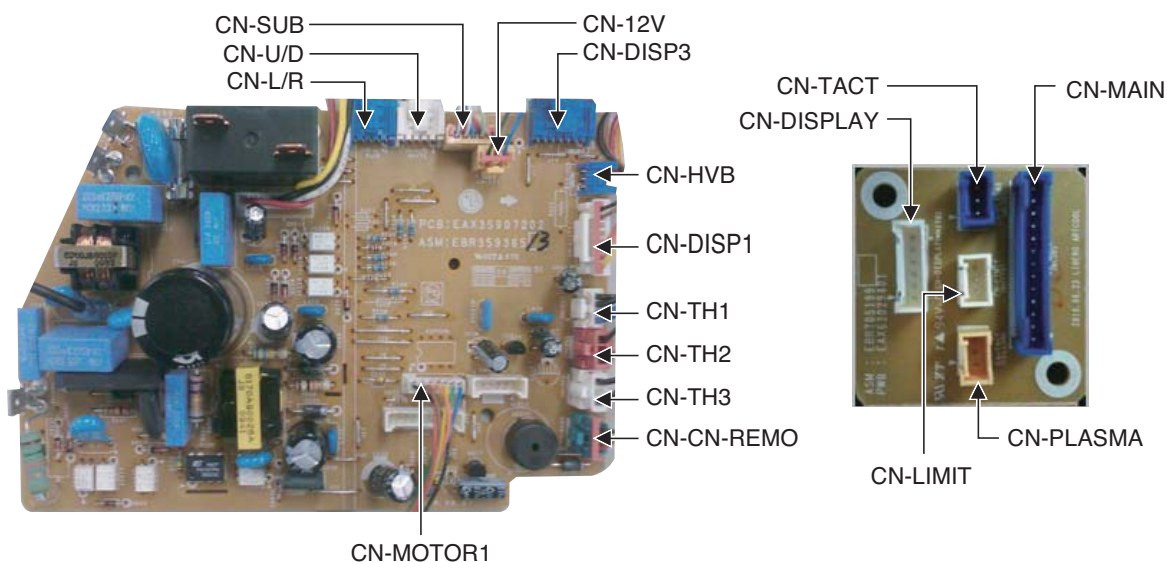
Inverter Single

6. Wiring diagrams

Models: ASNH18GC*U0, ASNH24GC*U0 (* : R / V / W)



P/No. : MEZ58313525



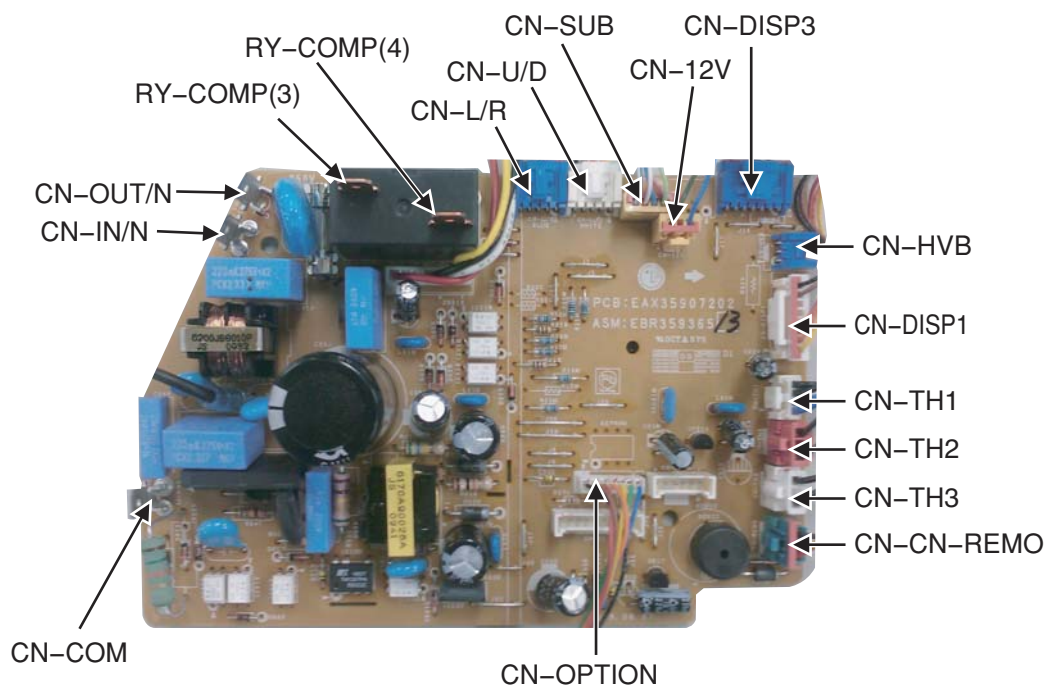
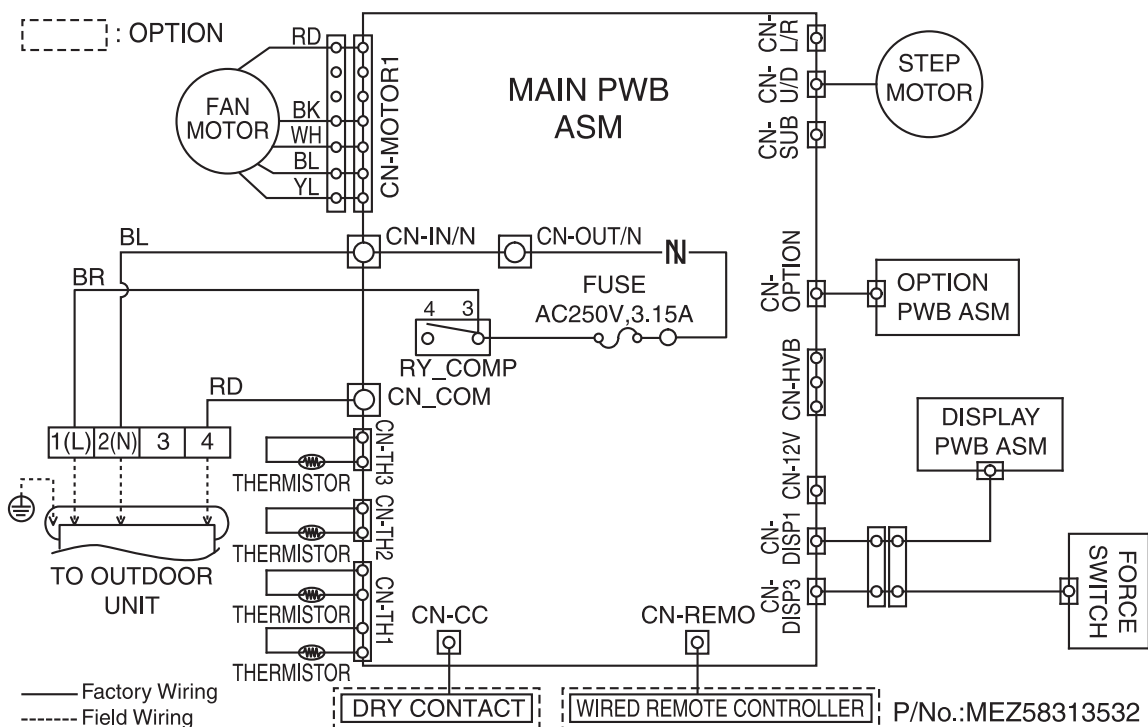
Main PCB

Sub PCB

Inverter Single

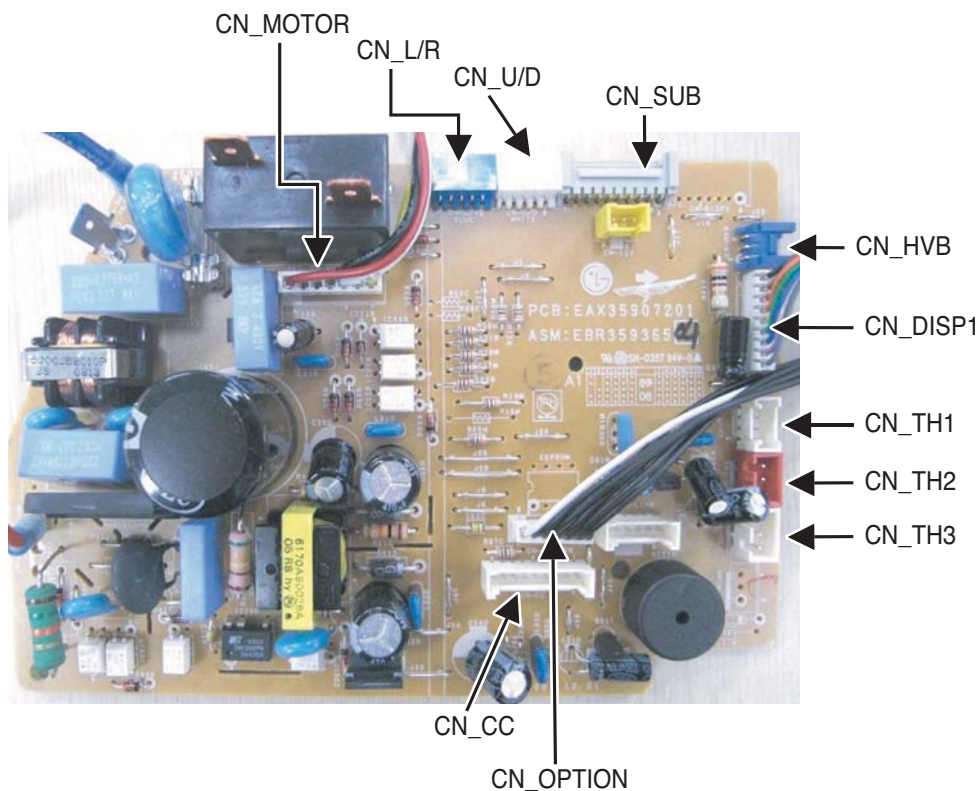
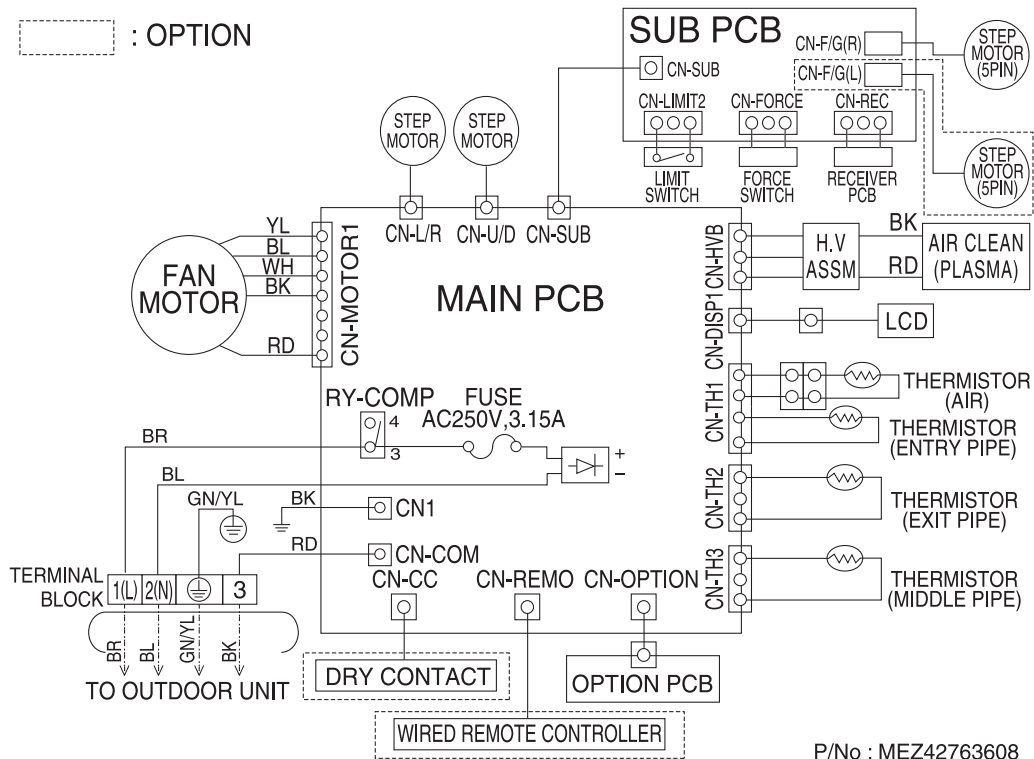
6. Wiring diagrams

Models: ASNH18GC4W0, ASNH24GC4W0



6. Wiring diagrams

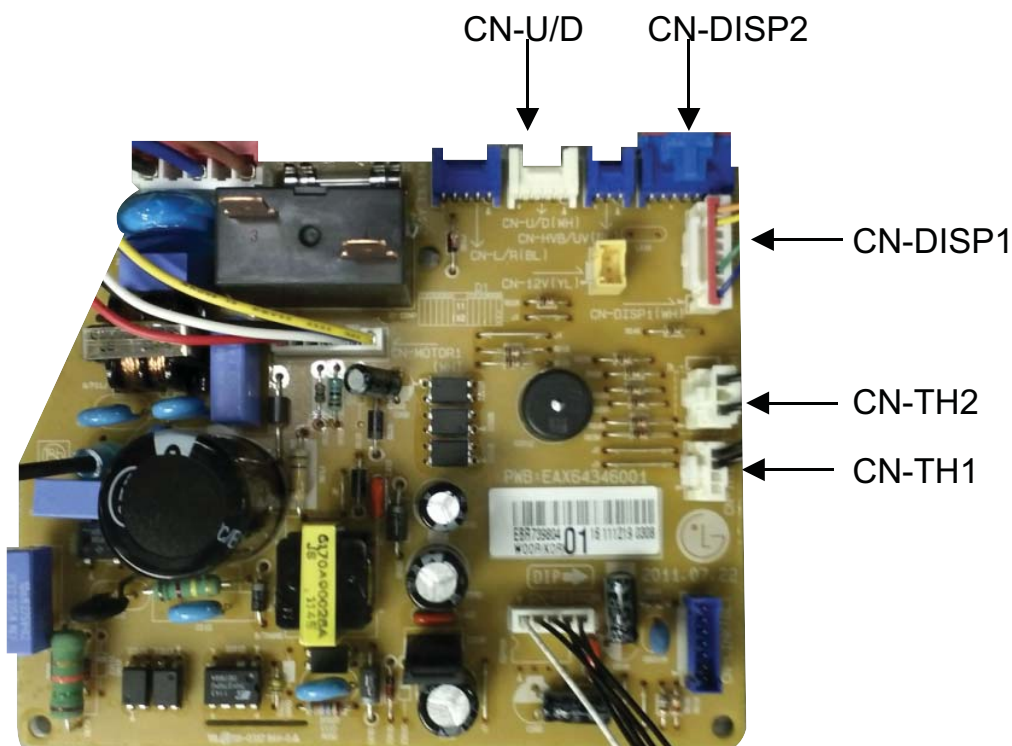
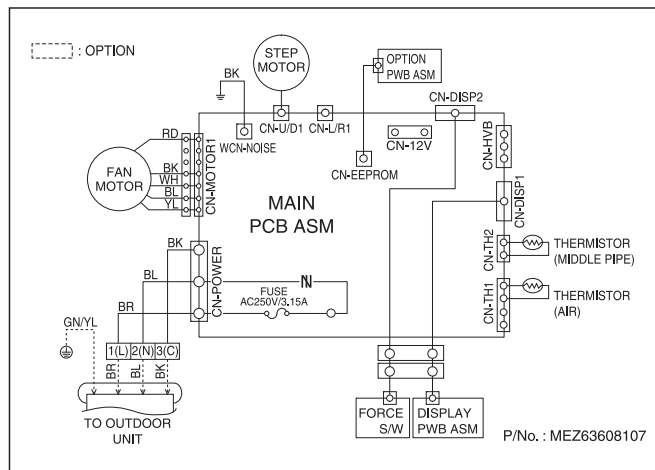
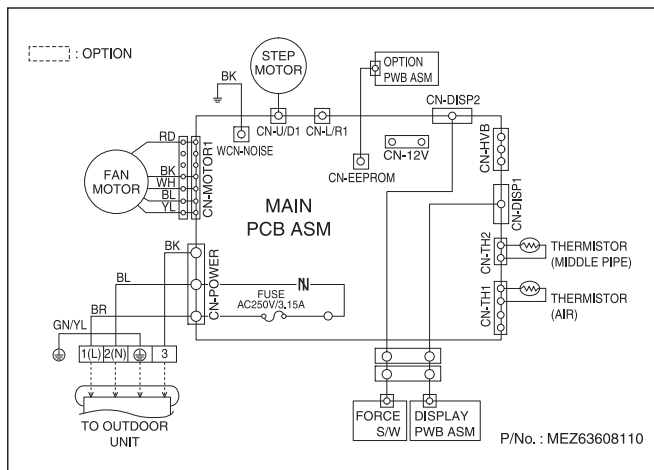
Models: ASNH09GE*U3, ASNH12GE*U3, ASNH18G8*U3, ASNH24G8*U3



Inverter Single

6. Wiring diagrams

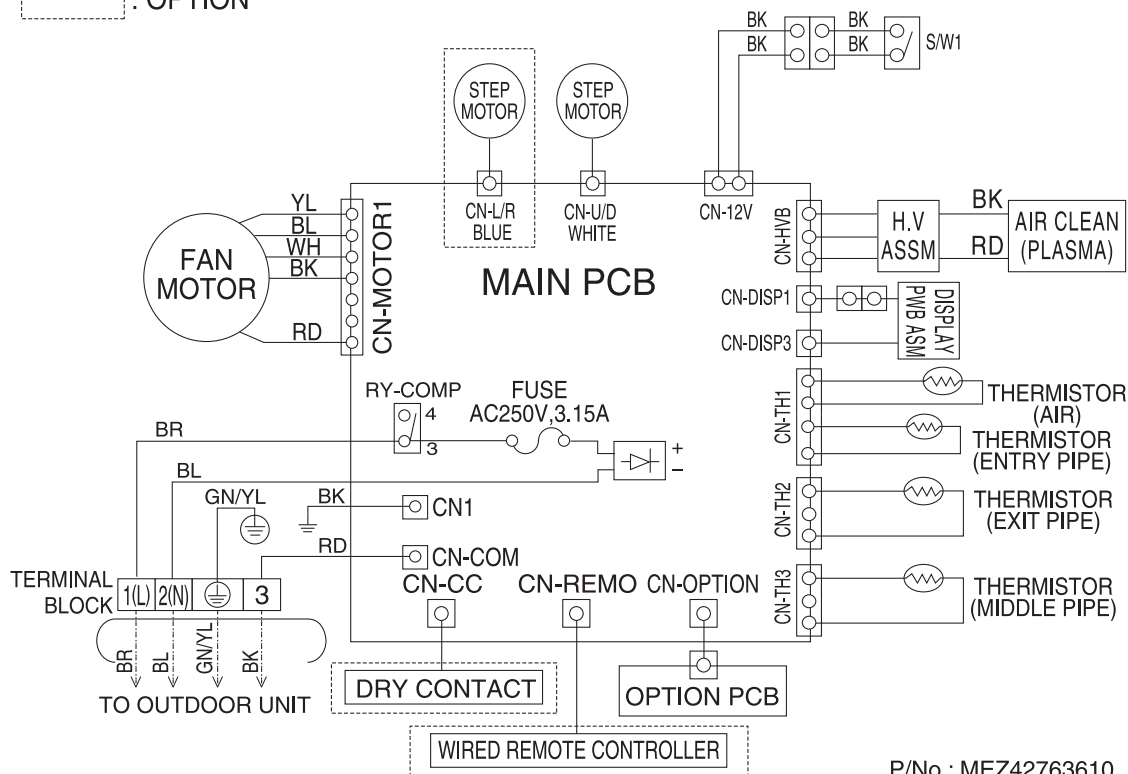
Models: ASNW096WSA0, ASNW126BSA0



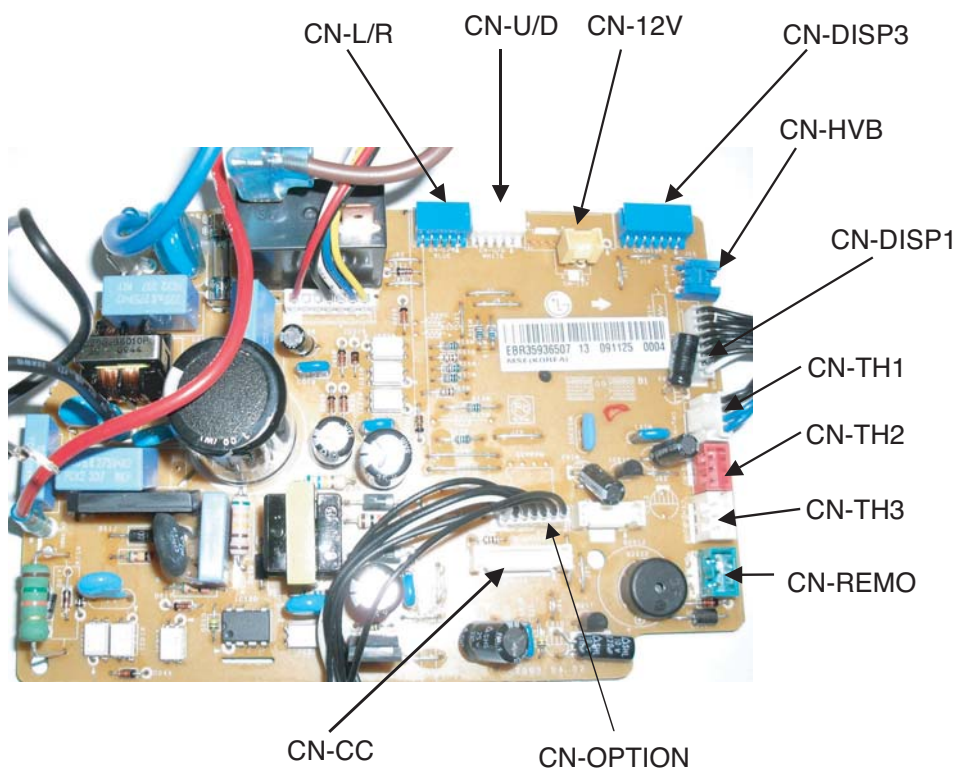
6. Wiring diagrams

Models: ASNW1865DU3, ASNW2465DU3

 : OPTION



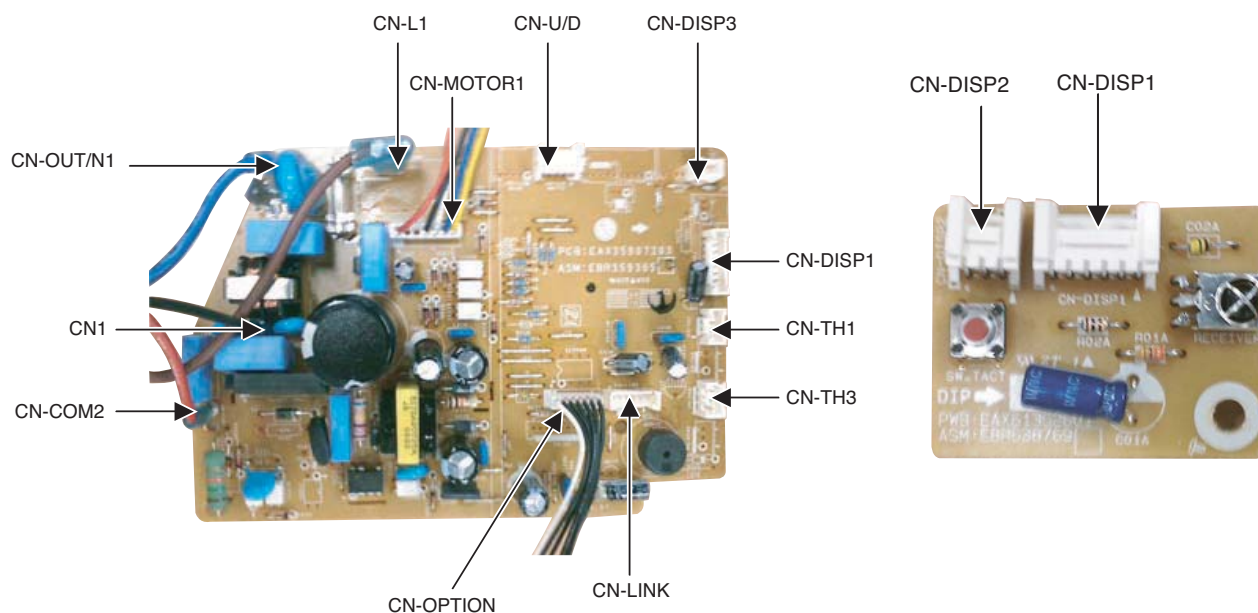
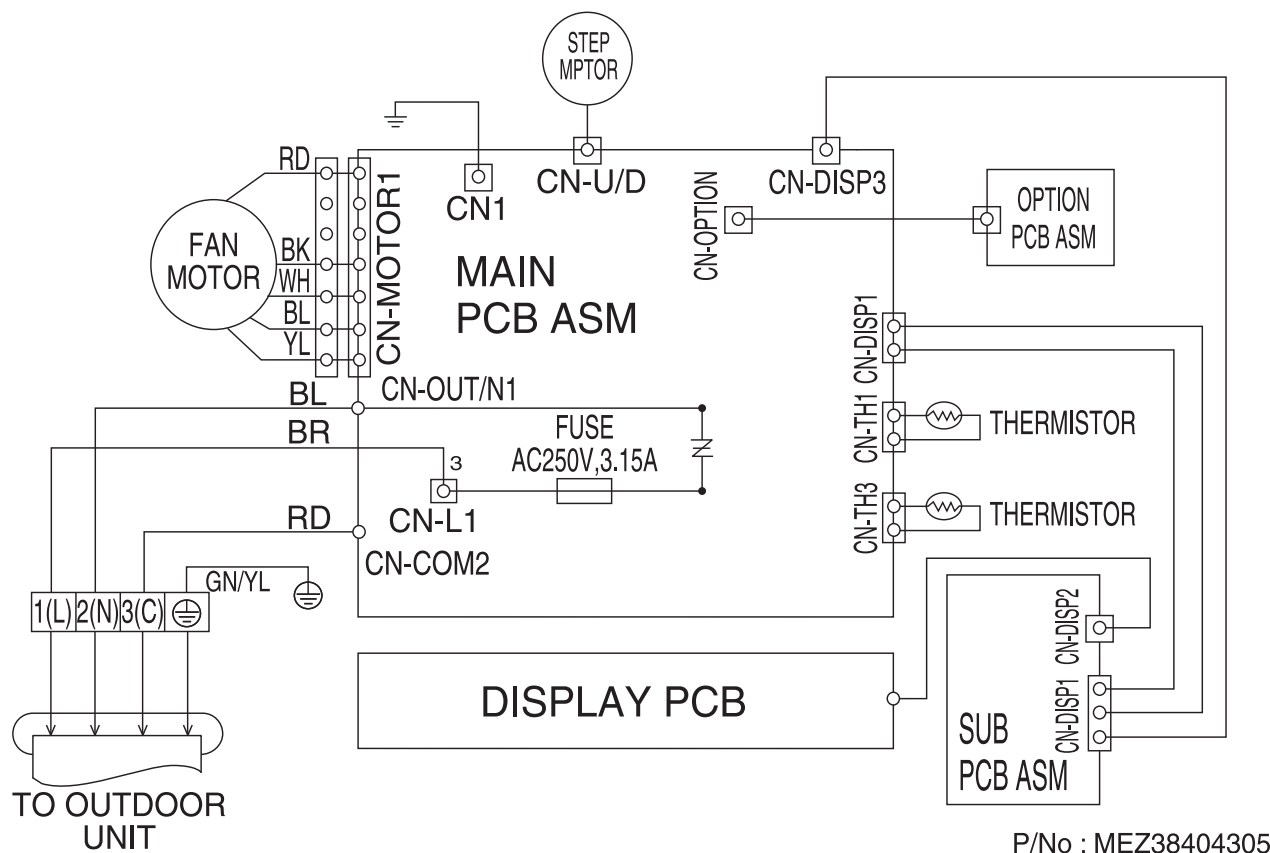
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Inverter Single

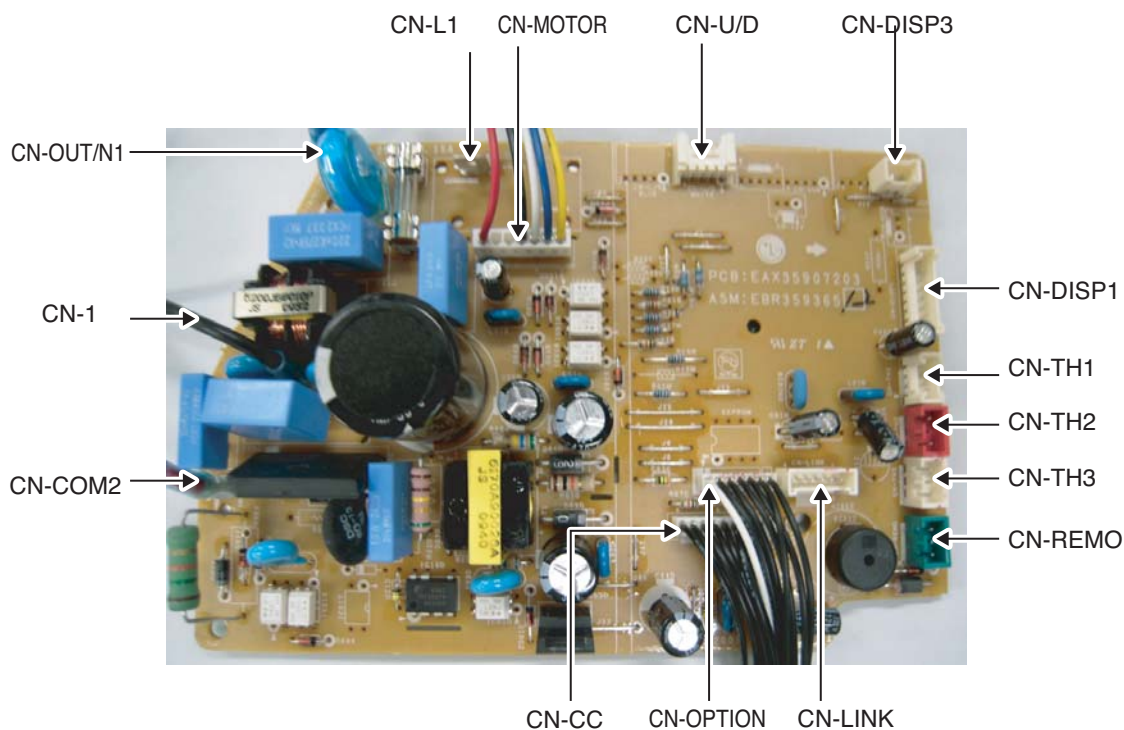
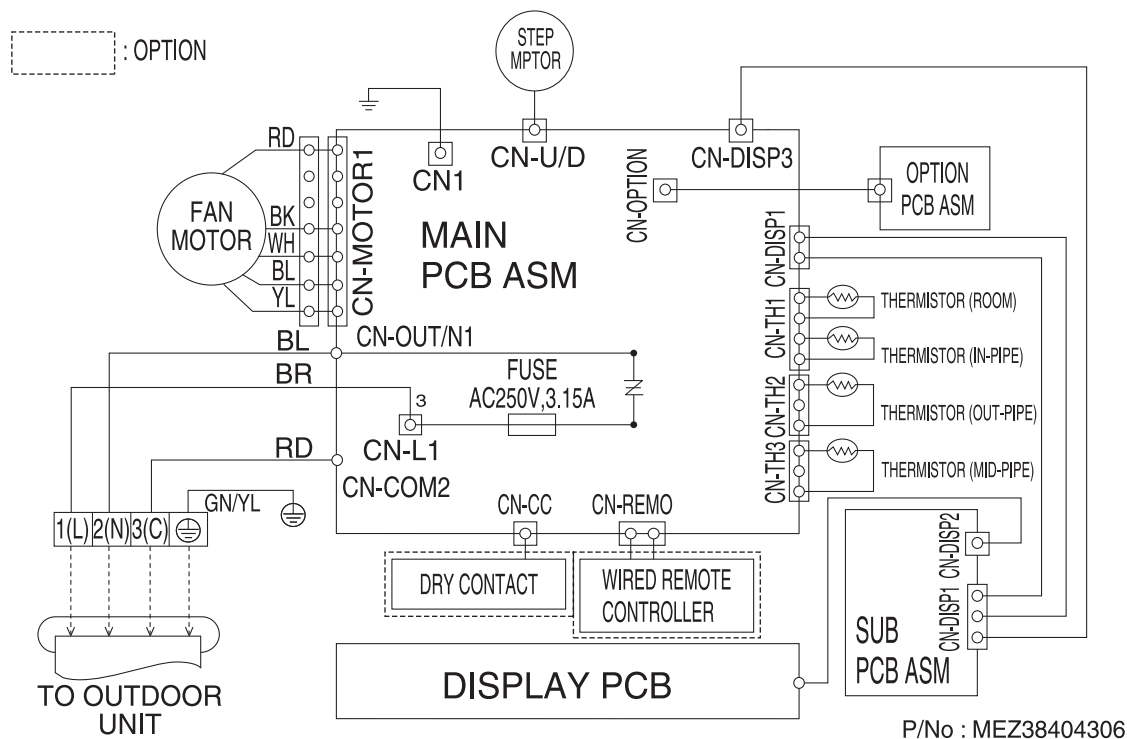
6. Wiring diagrams

Models: ASNW096HDW0, ASNW126HDW0



6. Wiring diagrams

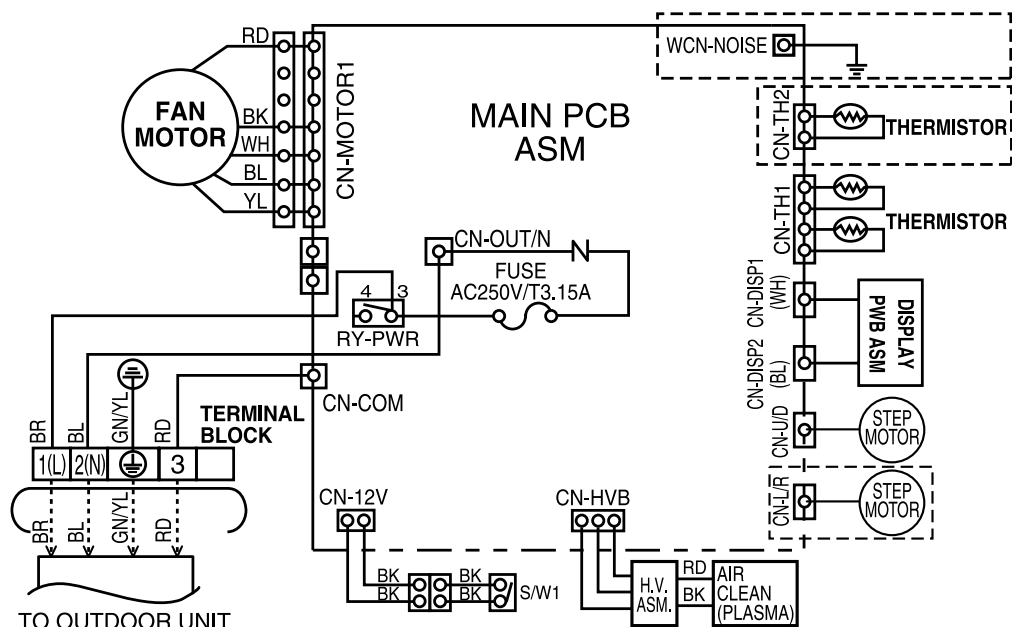
Models: ASNH09GHDW0, ASNH12GHDW0



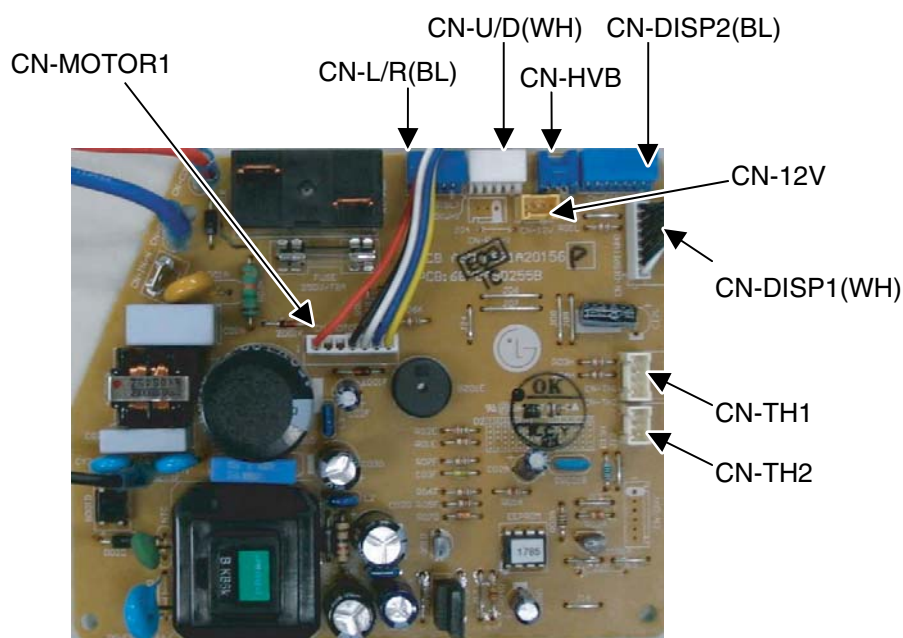
Inverter Single

6. Wiring diagrams

Models:ASNW306DGM0, ASNW366DGM0

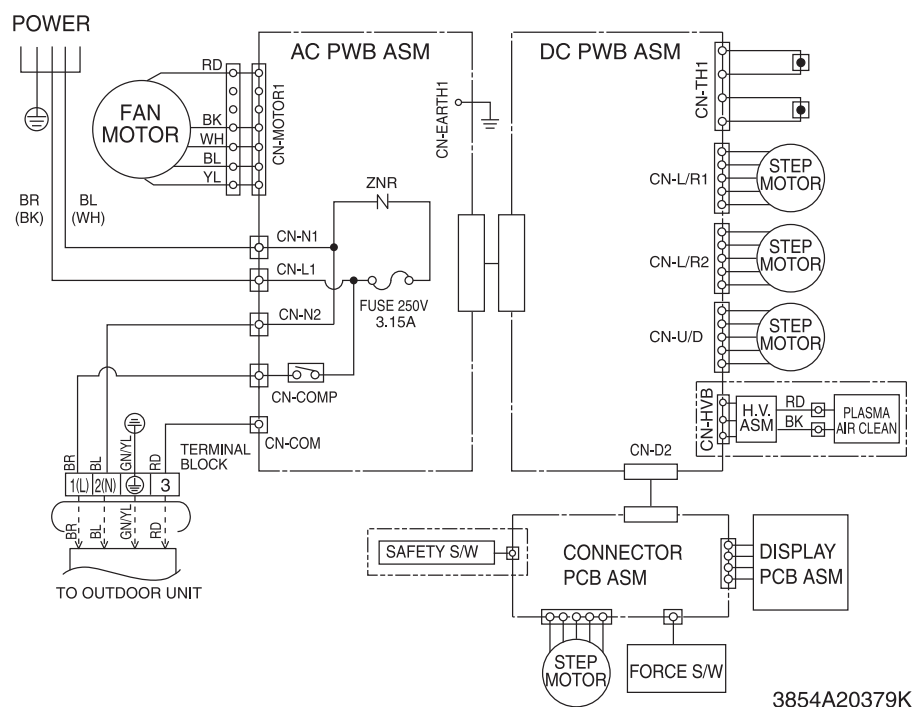


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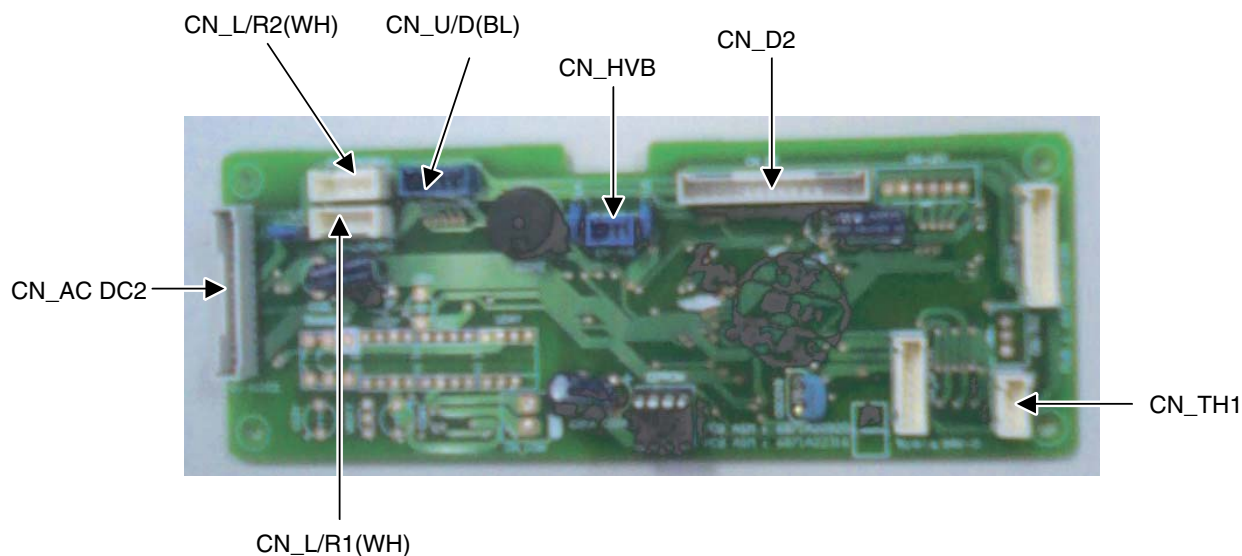


6. Wiring diagrams

Models: ASNW096F*G2, ASNW126F*G2



3854A20379K

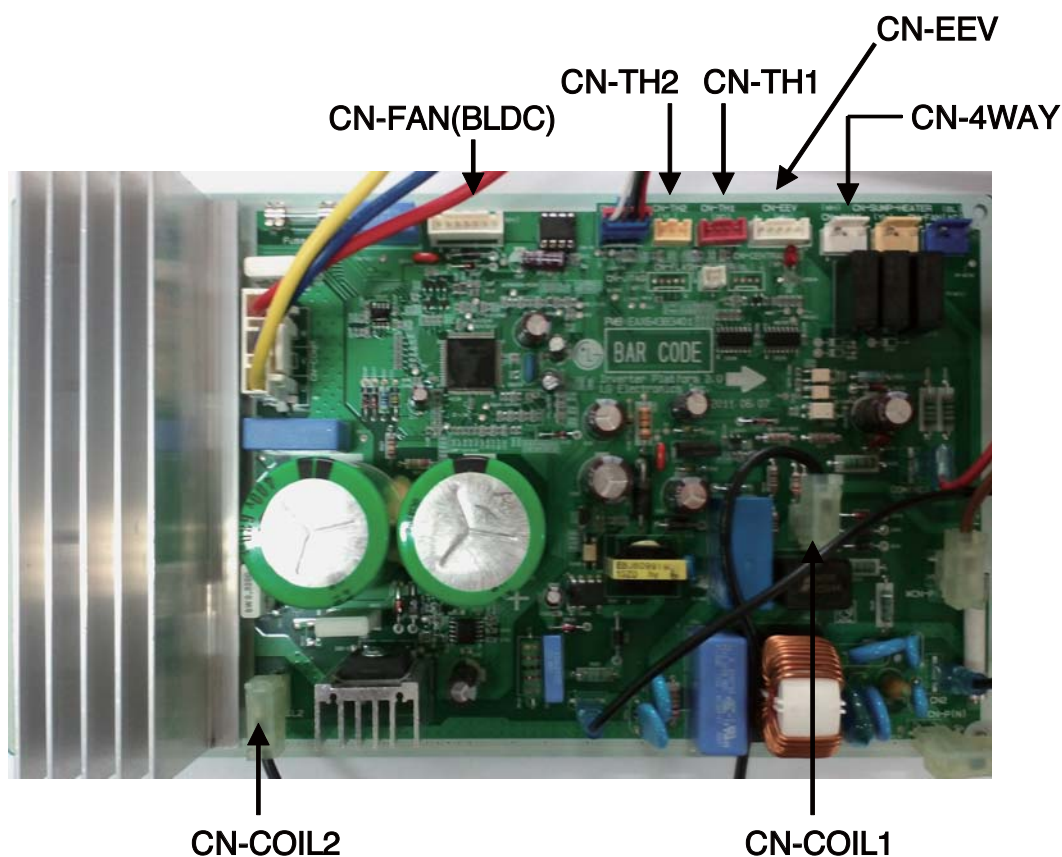
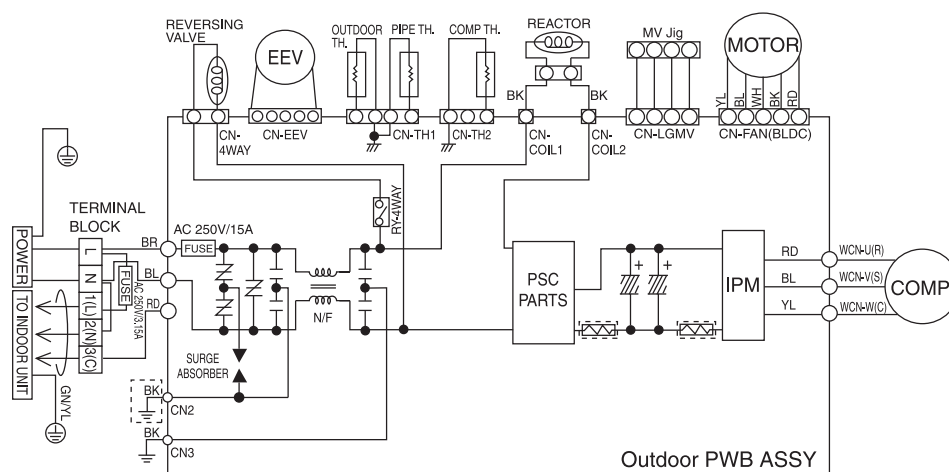


Inverter Single

6. Wiring diagrams

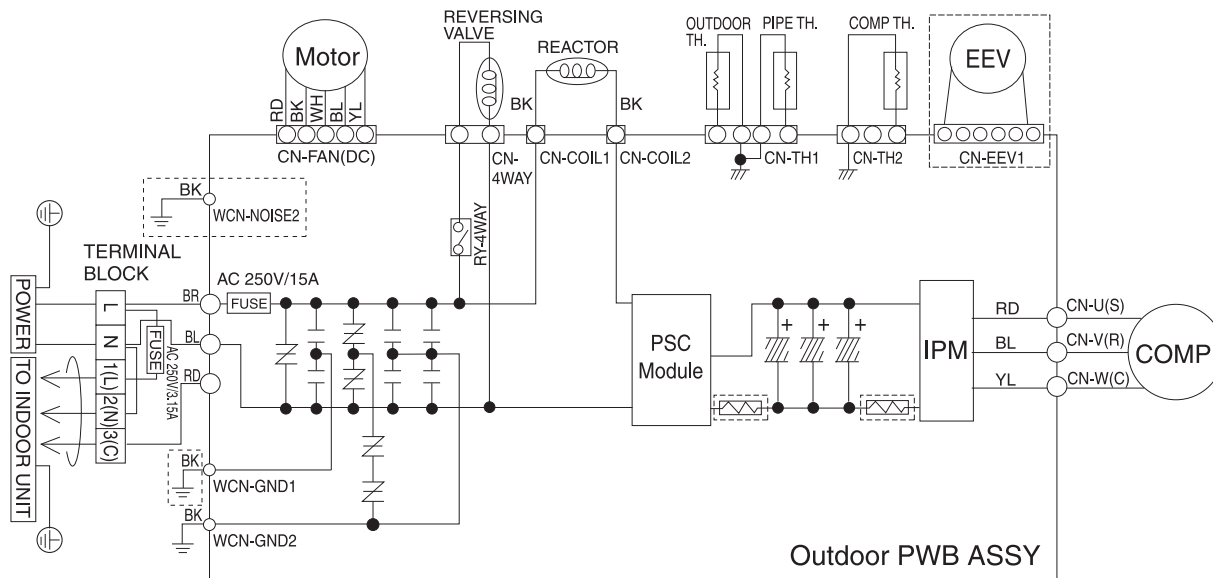
6.2 Outdoor units

Models: ASUW096MMF0, ASUW126MMF0

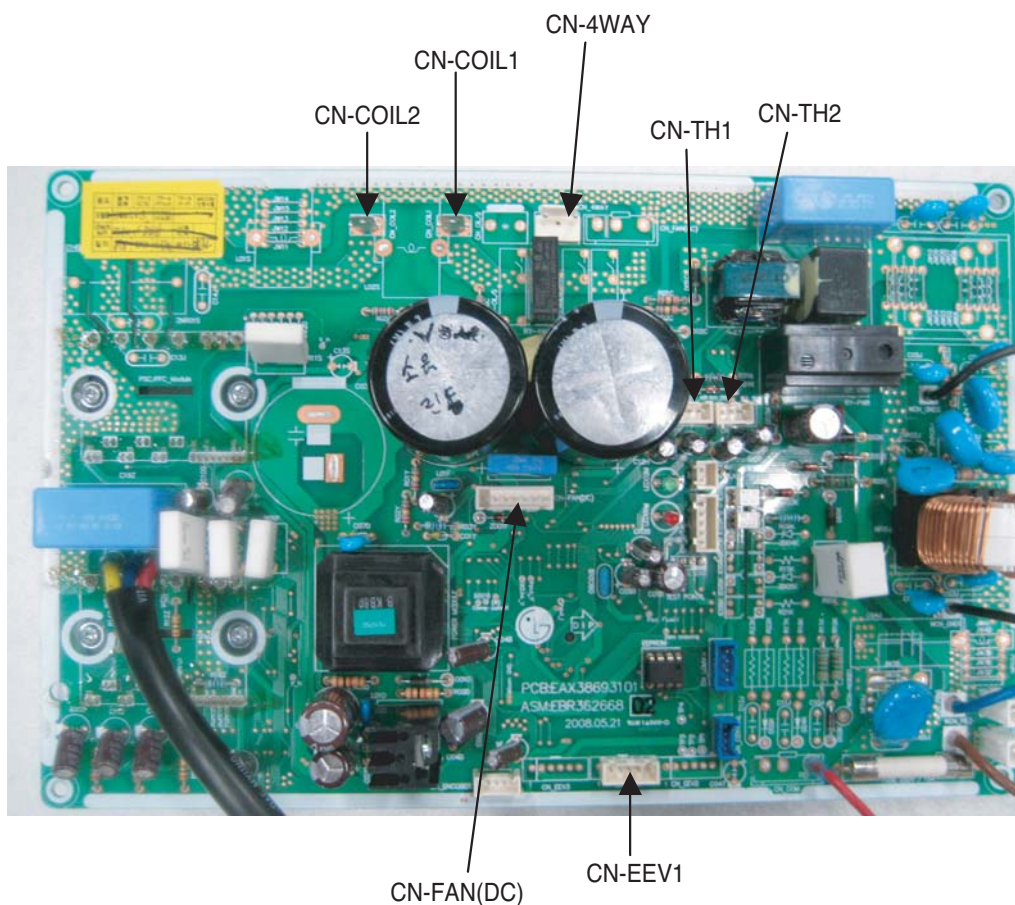


6. Wiring diagrams

Models: ASUW096BUS0, ASUW126BUS0



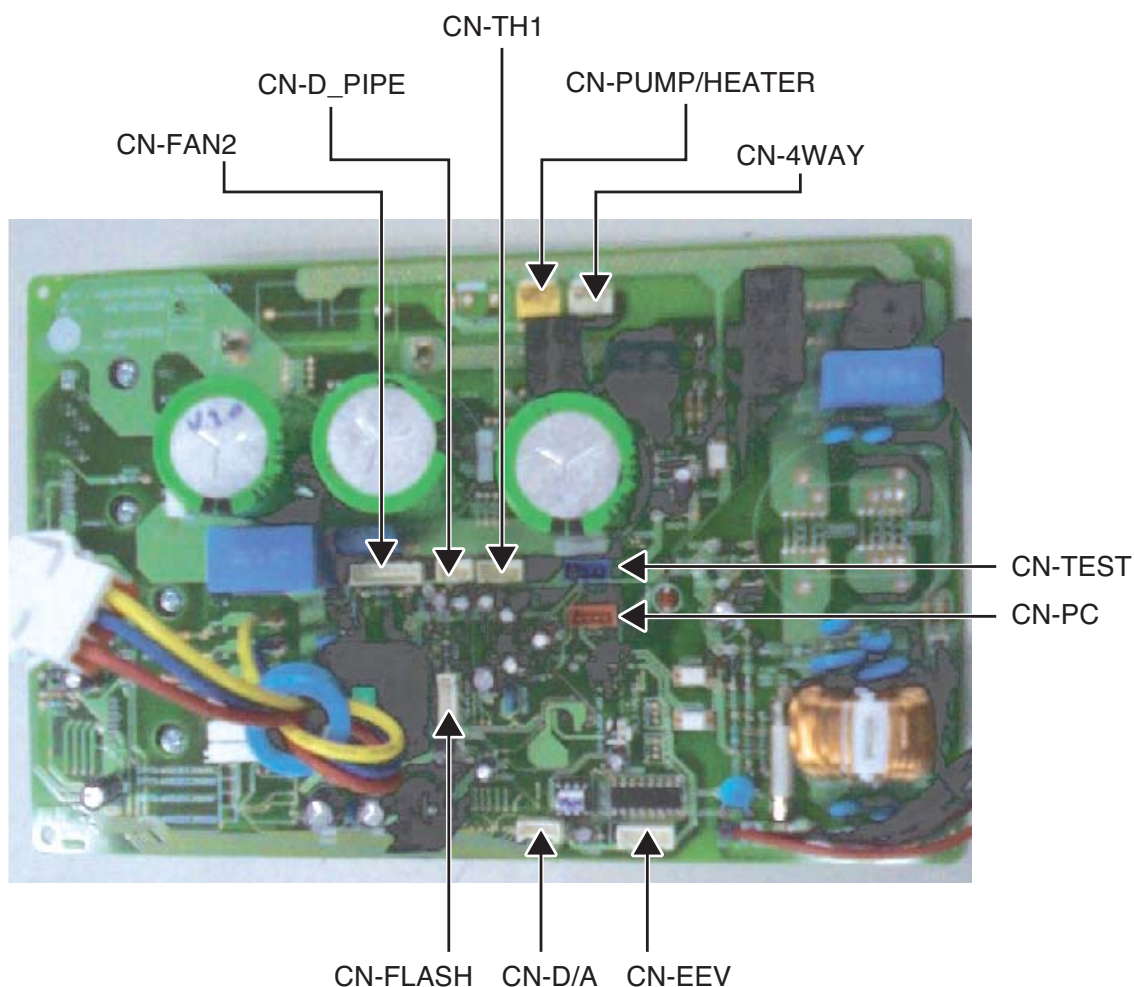
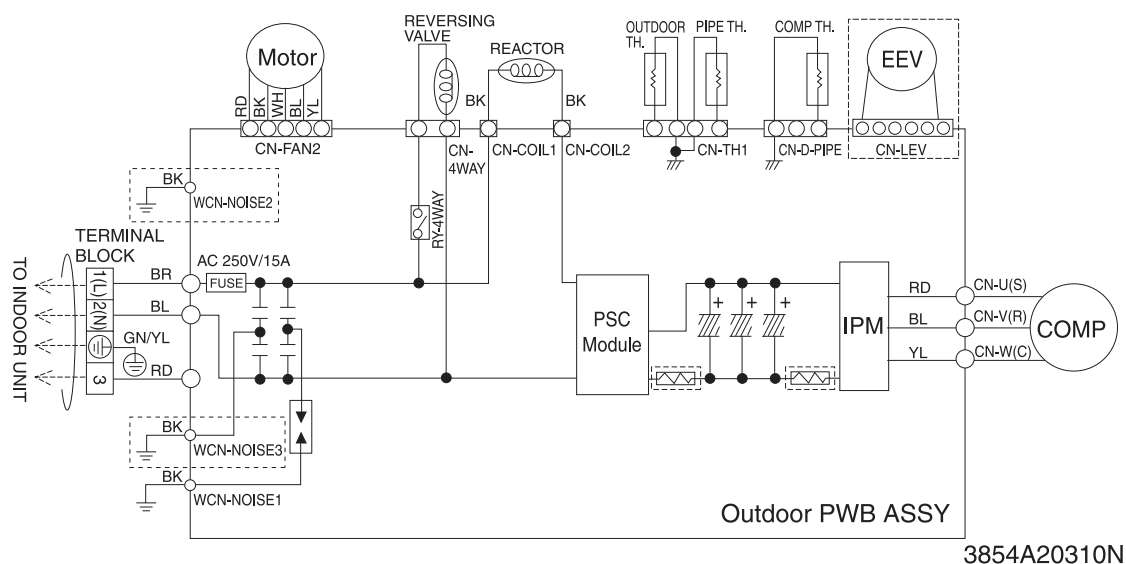
MEZ59862501



Inverter Single

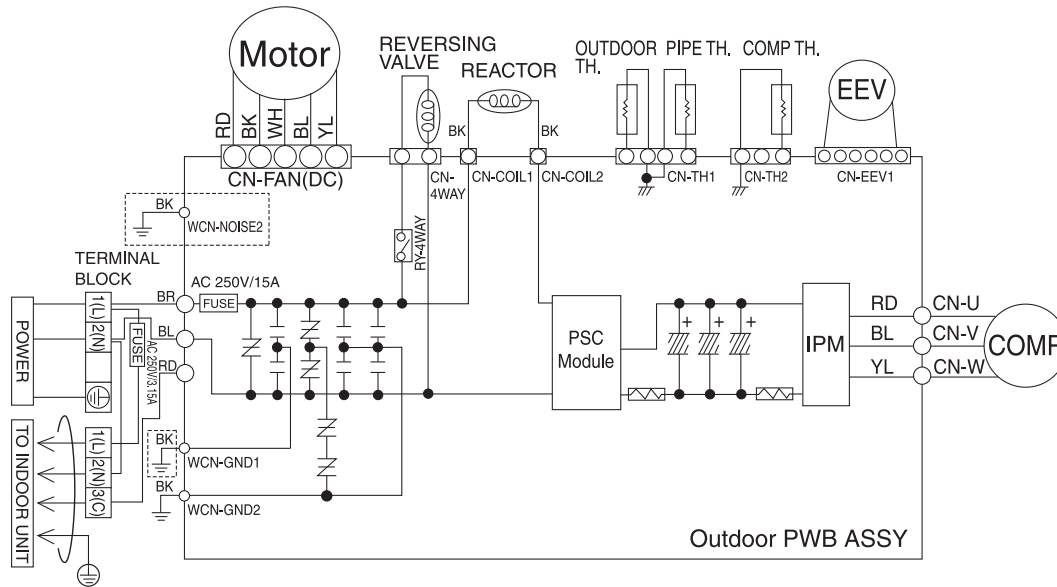
6. Wiring diagrams

Models: ASUW096FUG2, ASUW126FUG2

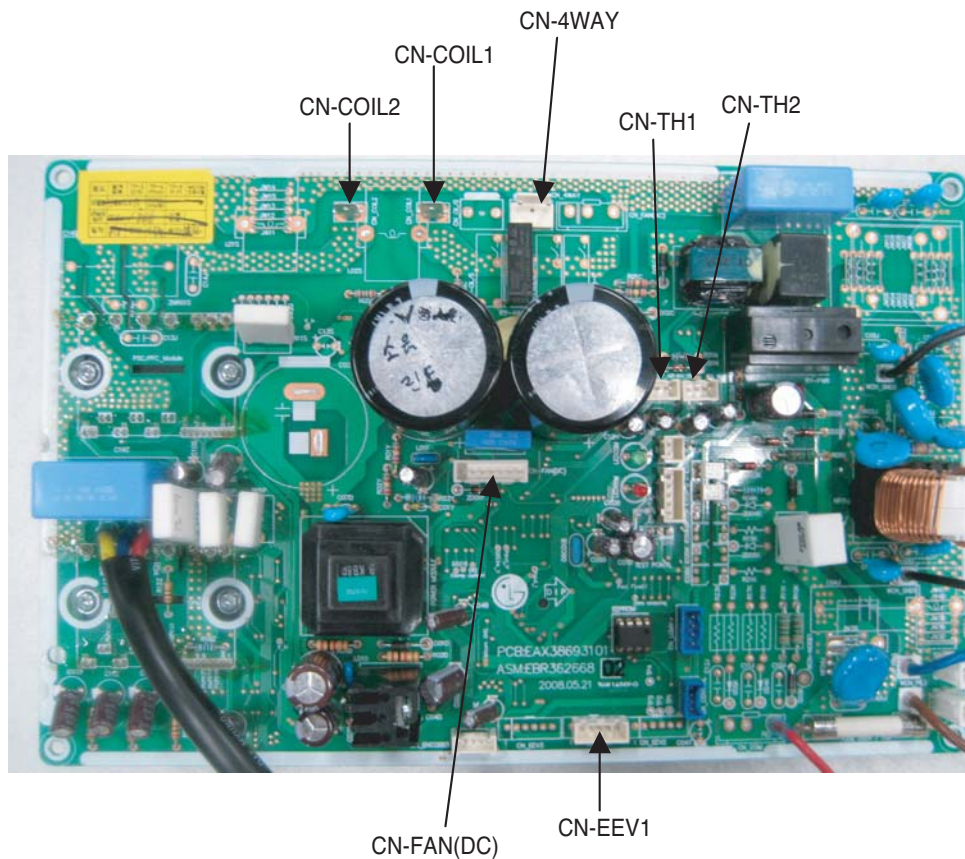


6. Wiring diagrams

Models: ASUW096EUU3, ASUW126EUU3



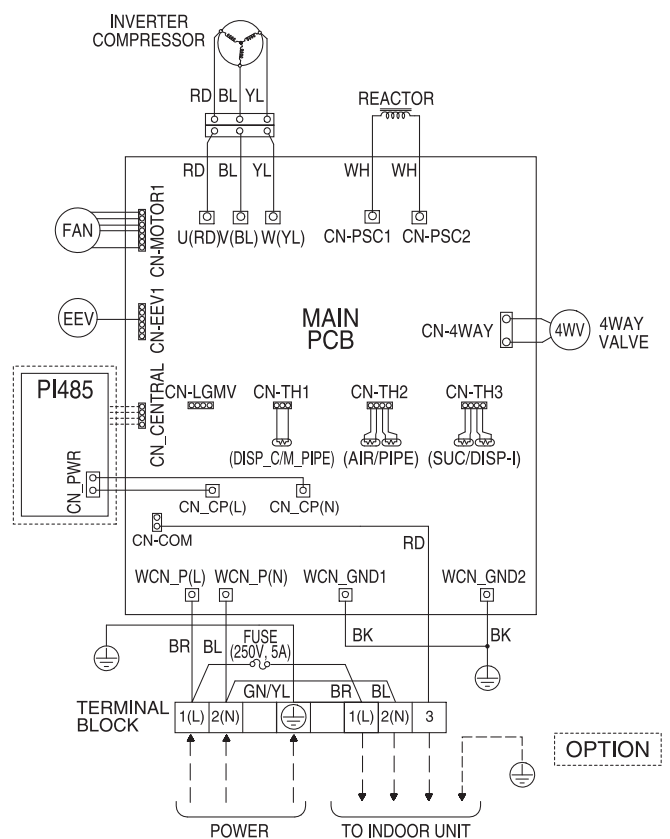
MEZ59862515



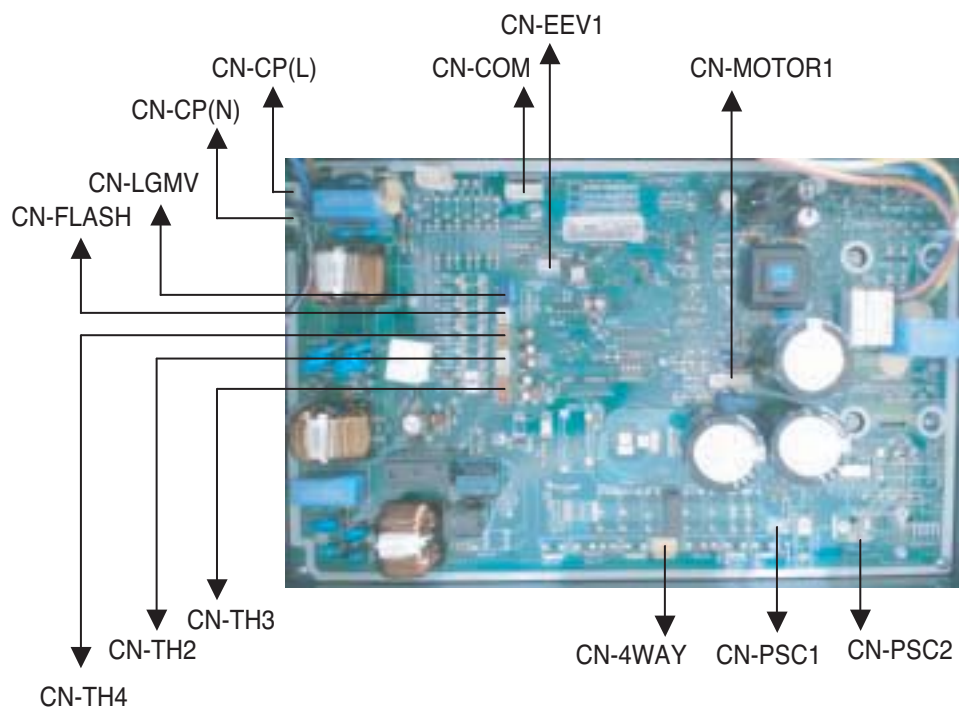
Inverter Single

6. Wiring diagrams

Models: ASUW1868UU3, ASUW1865DU3, ASUW186C2U0

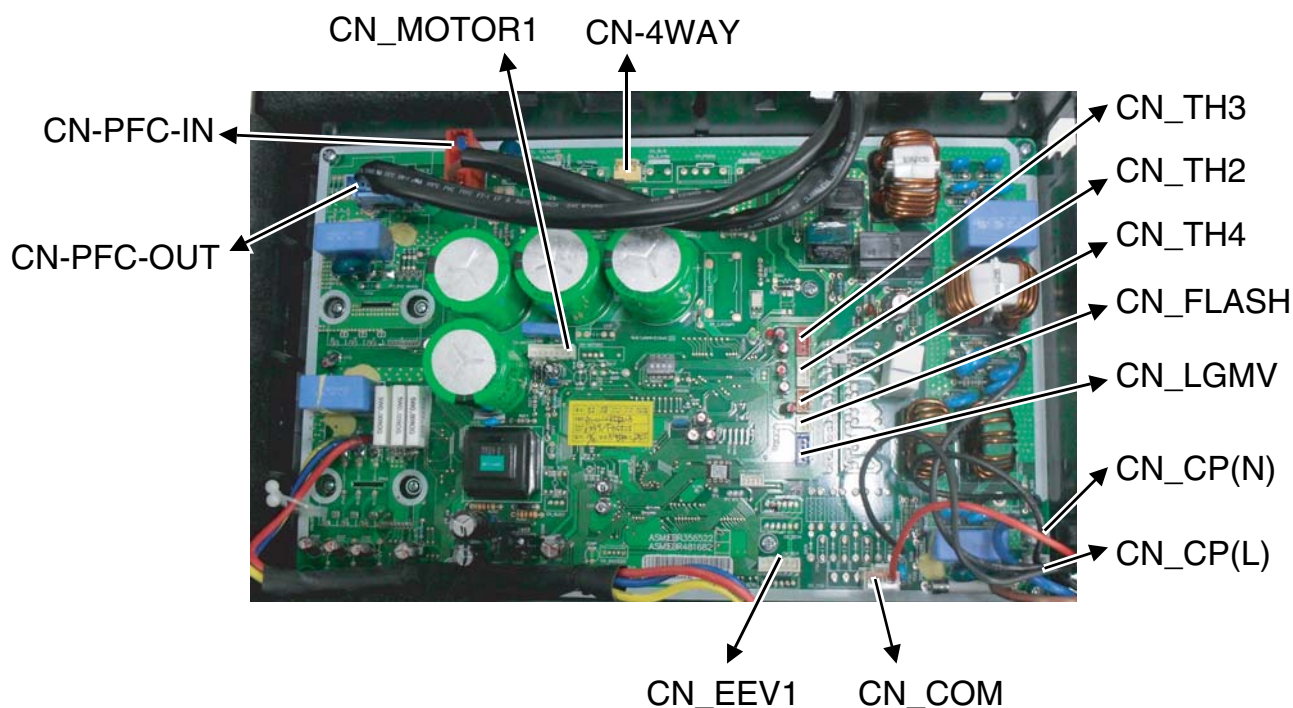
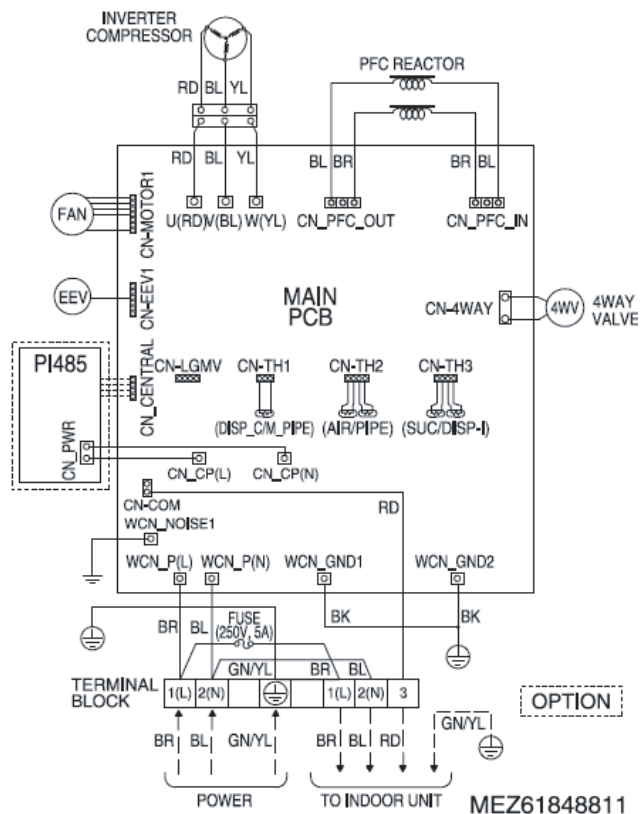


MEZ56761505



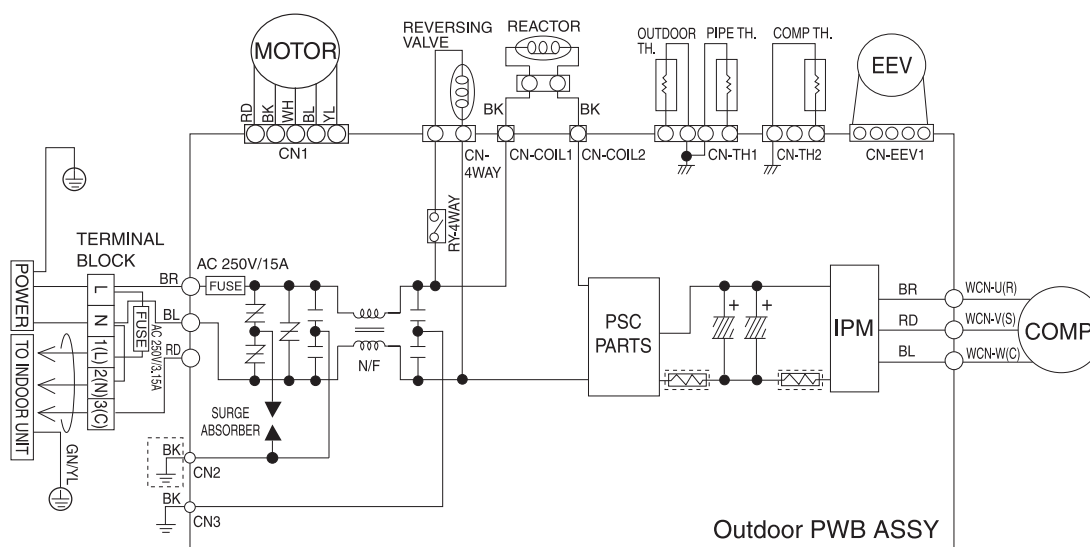
6. Wiring diagrams

Models: ASUW2468UU3, ASUW2465DU3, ASUW246C2U0

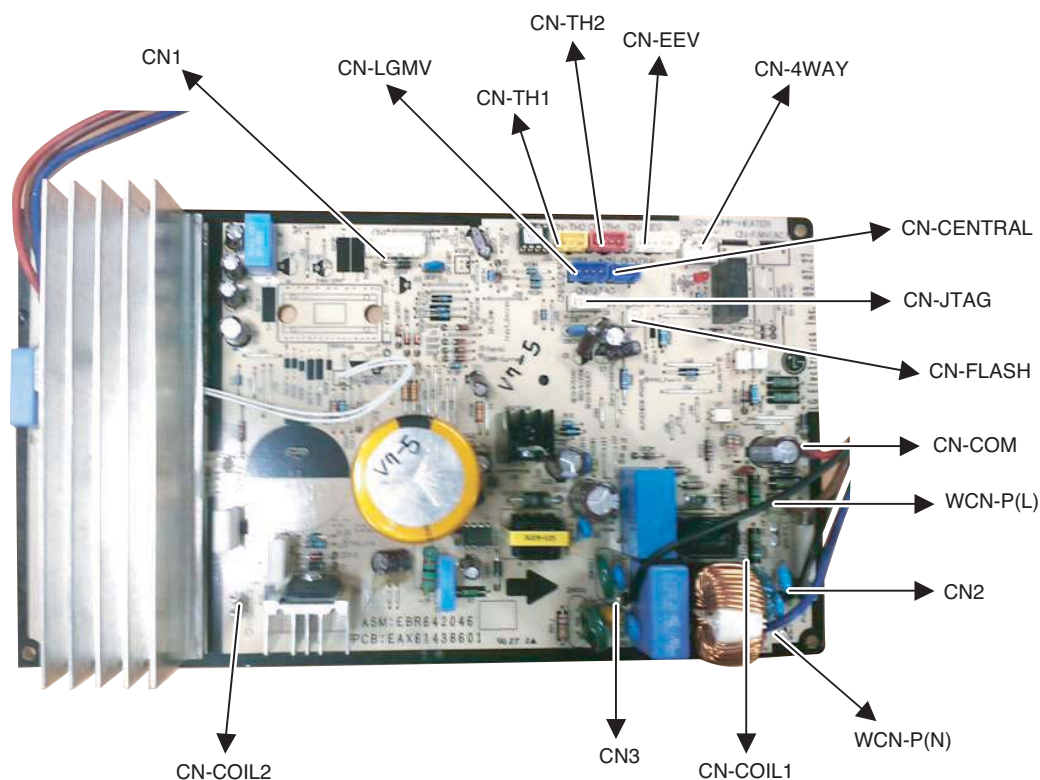


6. Wiring diagrams

Models: ASUW096HDW0, ASUW126HDW0, ASUW096B4W0, ASUW126B4W0

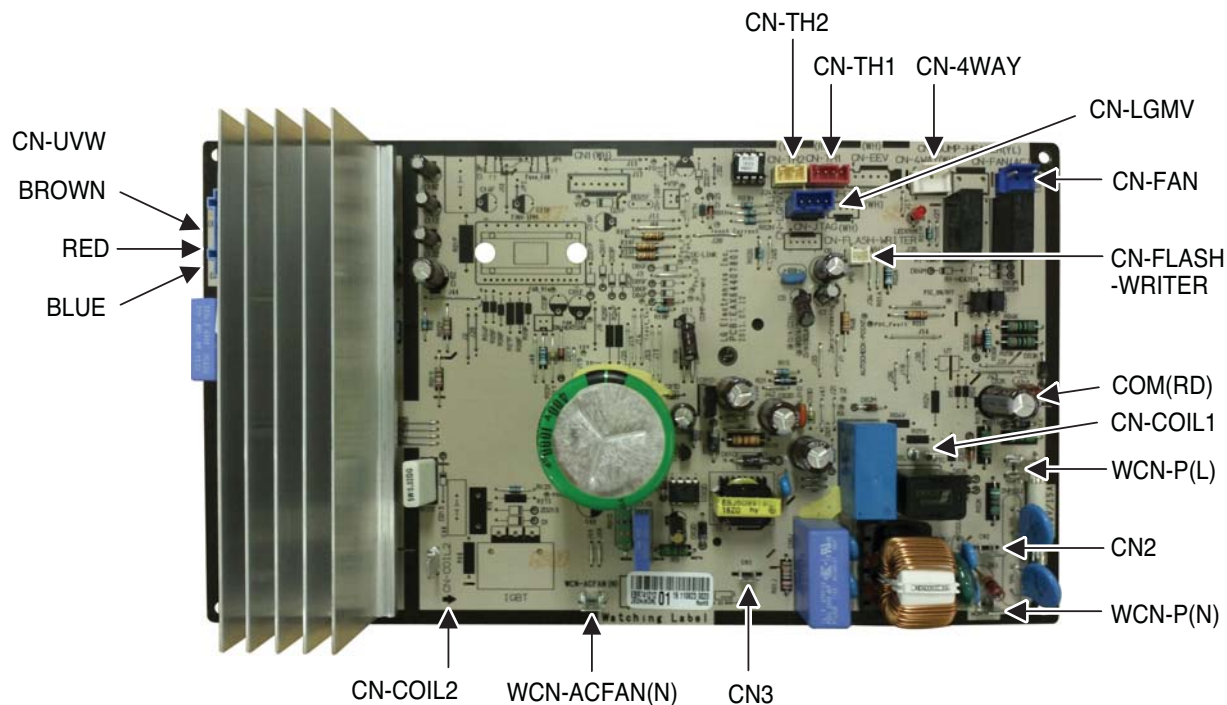
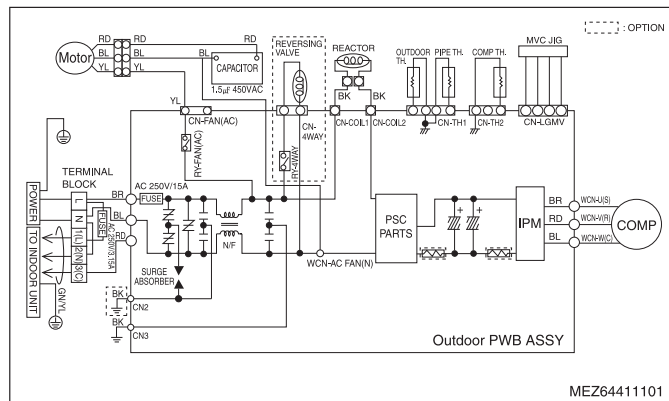
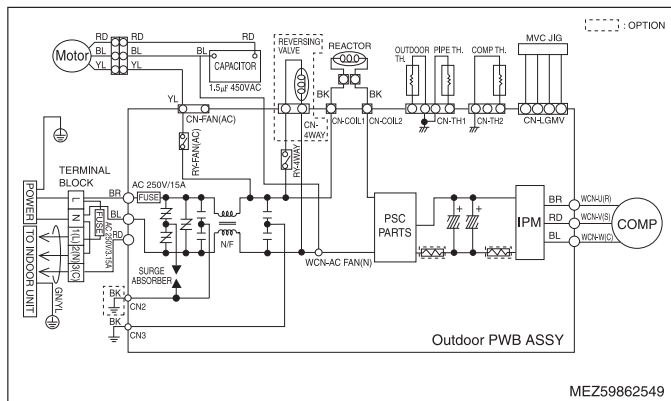


MEZ59862514



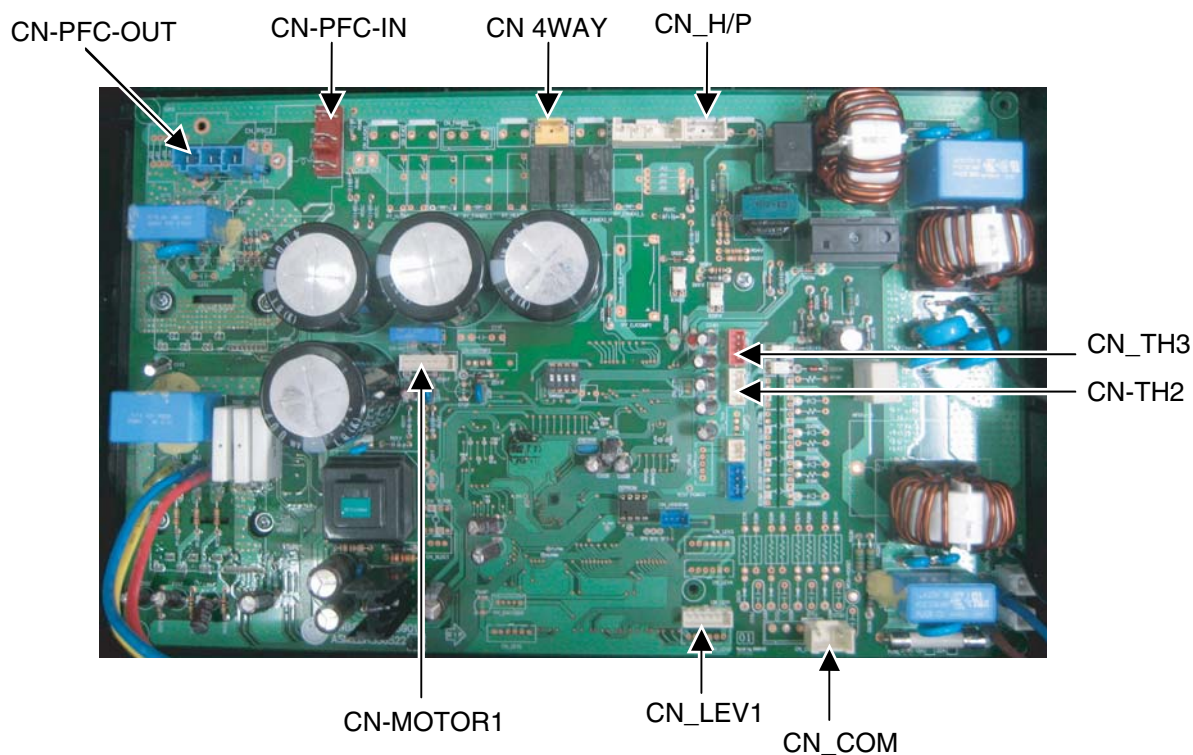
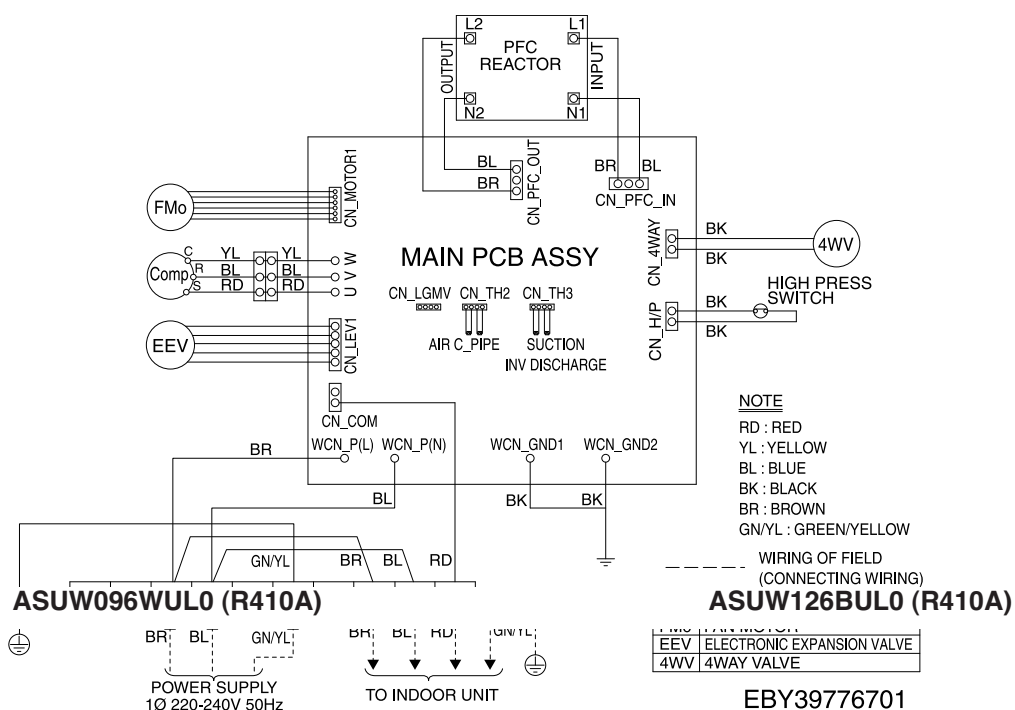
6. Wiring diagrams

Models: ASUW096WUL0,ASUW126BUL0



Inverter Single

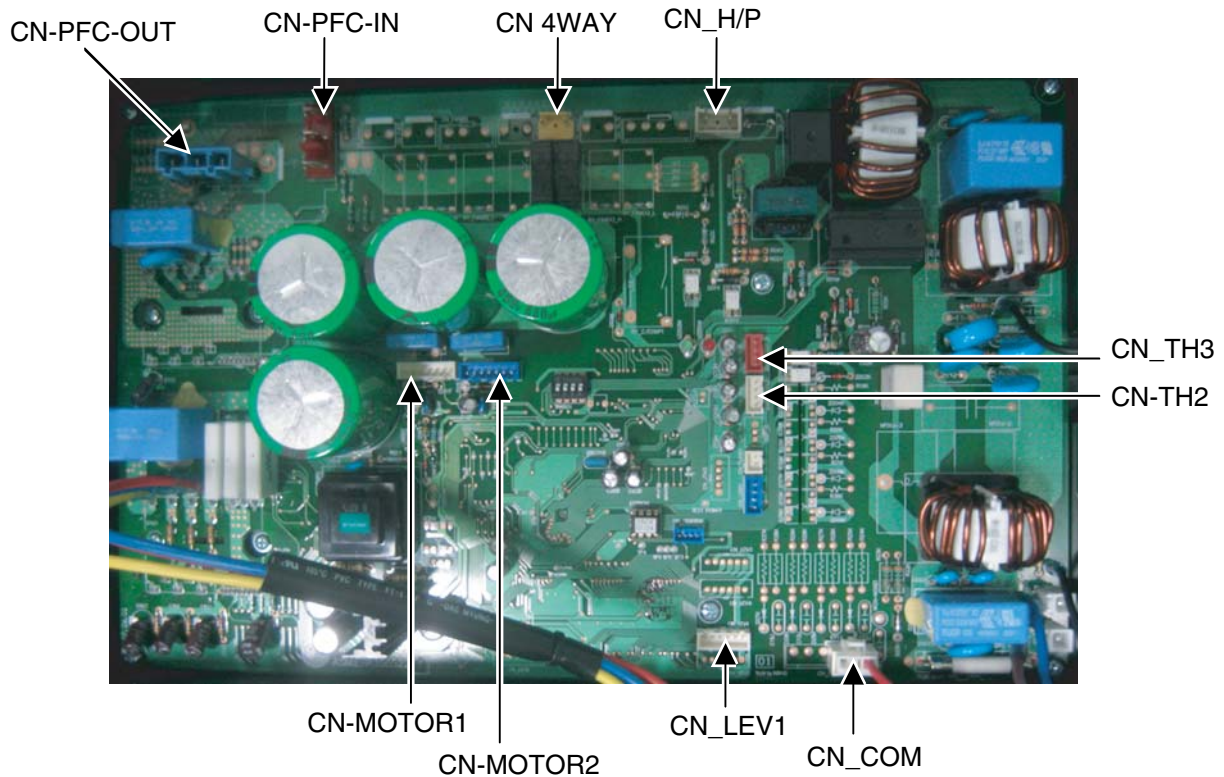
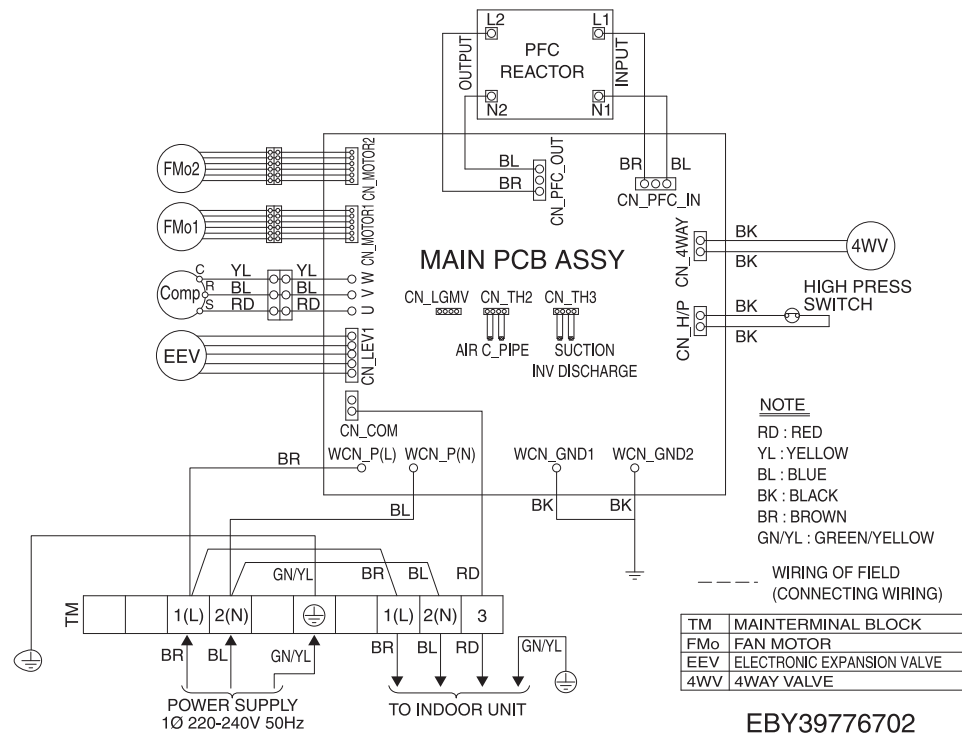
6. Wiring diagrams



Inverter Single

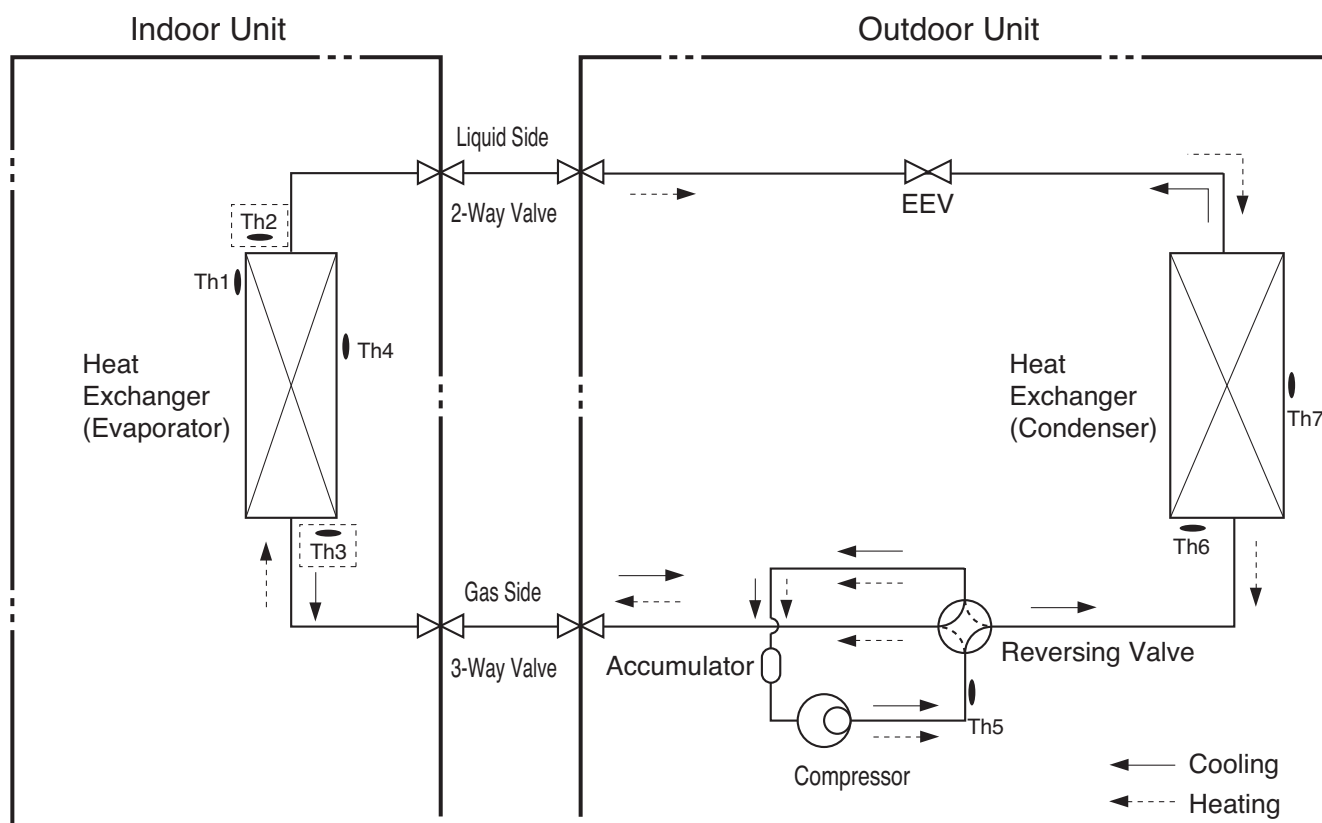
6. Wiring diagrams

Models: ASUW366DGM0



7. Refrigerant cycle diagrams

Model No : AS-W096BMS0, AS-W126BMS0, AS-W096B1U0, AS-W126B1U0, AS-W096E*U3, AS-W126E*U3, AS-W096HDW0, AS-W126HDW0, AS-W096B*U0, AS-W126B*U0, AS-W096B4W0, AS-W126B4W0, AS-W096MMF0, AS-W126MMF0

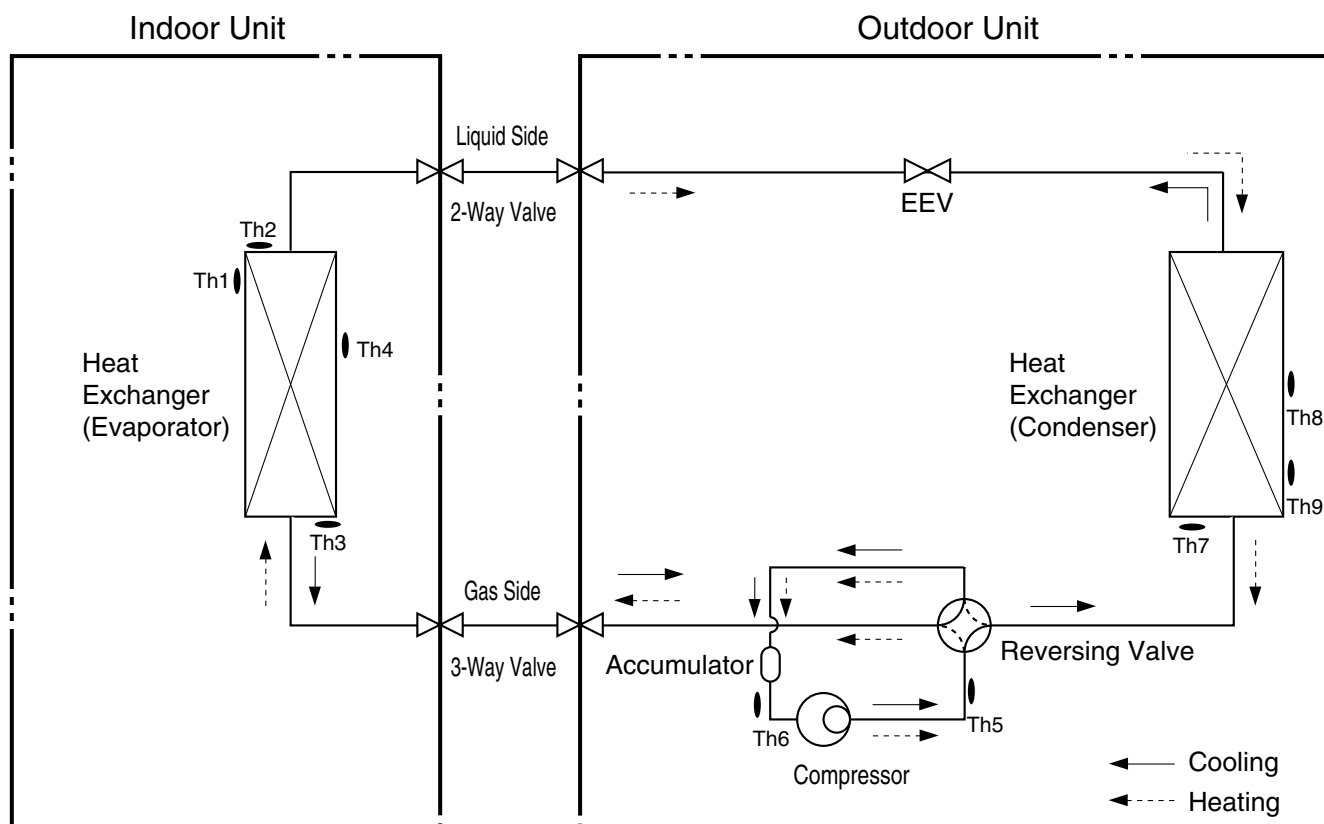


LOC.	Description	PCB Connector
Th1	Thermistor for suction air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator inlet temperature	
Th3	Thermistor for evaporator outlet temperature	CN-TH2(Indoor)
Th4	Thermistor for evaporator middle temperature	CN-TH3(Indoor)
Th5	Thermistor for discharge pipe temperature	CN-TH2(Outdoor)
Th6	Thermistor for condensing temperature	CN-TH1(Outdoor)
Th7	Thermistor for outdoor air temperature	

※ EEV : Electronic Expansion Valve

7. Refrigerant cycle diagrams

Model No : AS-W1868*U3, AS-W1865DU3, AS-W2468*U3, AS-W2465DU3, AS-W186C2U0
AS-W246C2U0, AS-W186C*U0, AS-W246C*U0, AS-W186C4W0, AS-W246C4W0



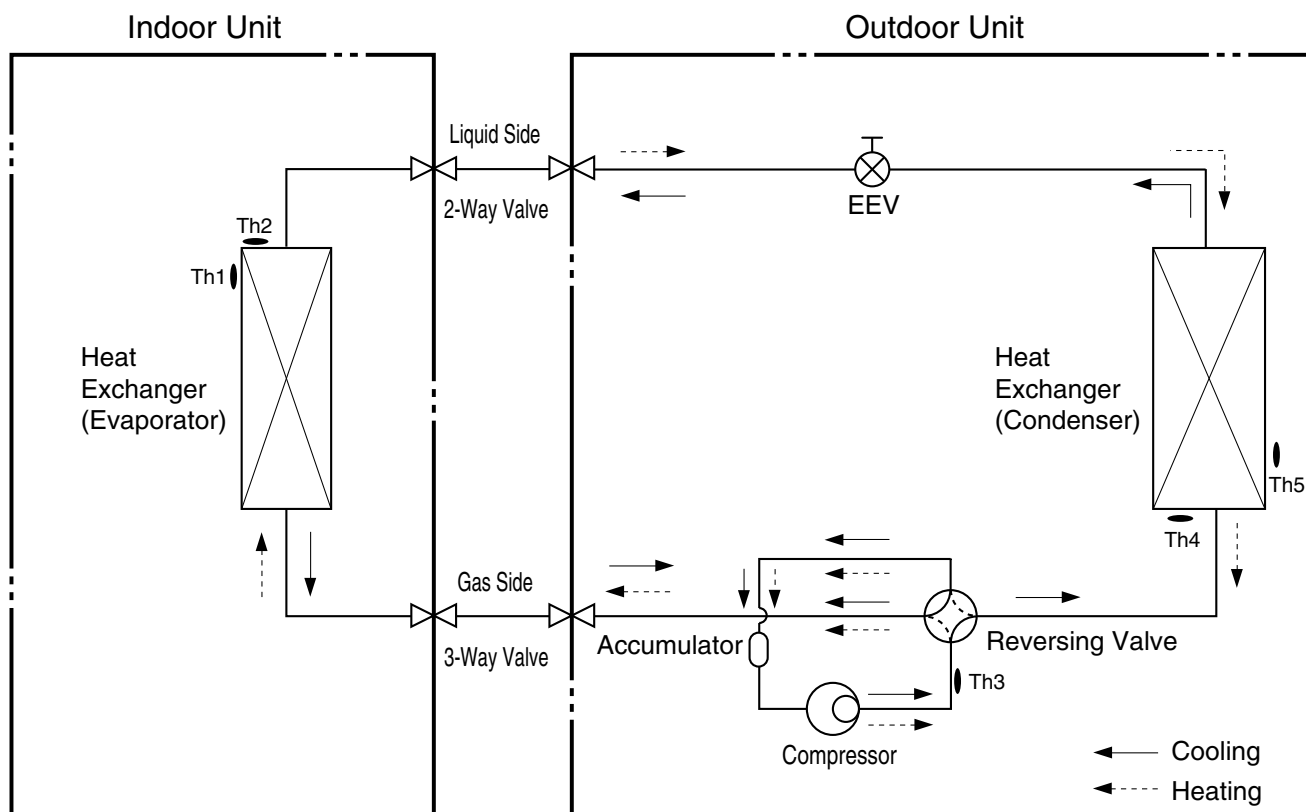
LOC.	Description	PCB Connector
Th1	Thermistor for suction air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator inlet temperature	
Th3	Thermistor for evaporator outlet temperature	
Th4	Thermistor for evaporator middle temperature	CN-TH3(Indoor)
Th5	Thermistor for discharge pipe temperature	CN-TH3(Outdoor)
Th6	Thermistor for suction pipe temperature	
Th7	Thermistor for condensing temperature	CN-TH2(Outdoor)
Th8	Thermistor for outdoor air temperature	
Th9	Thermistor for condensing middle temperature	CN-TH4(Outdoor)

※ EEV : Electronic Expansion Valve

Inverter Single

7. Refrigerant cycle diagrams

Model No : AS-W096F*G2, AS-W126F*G2

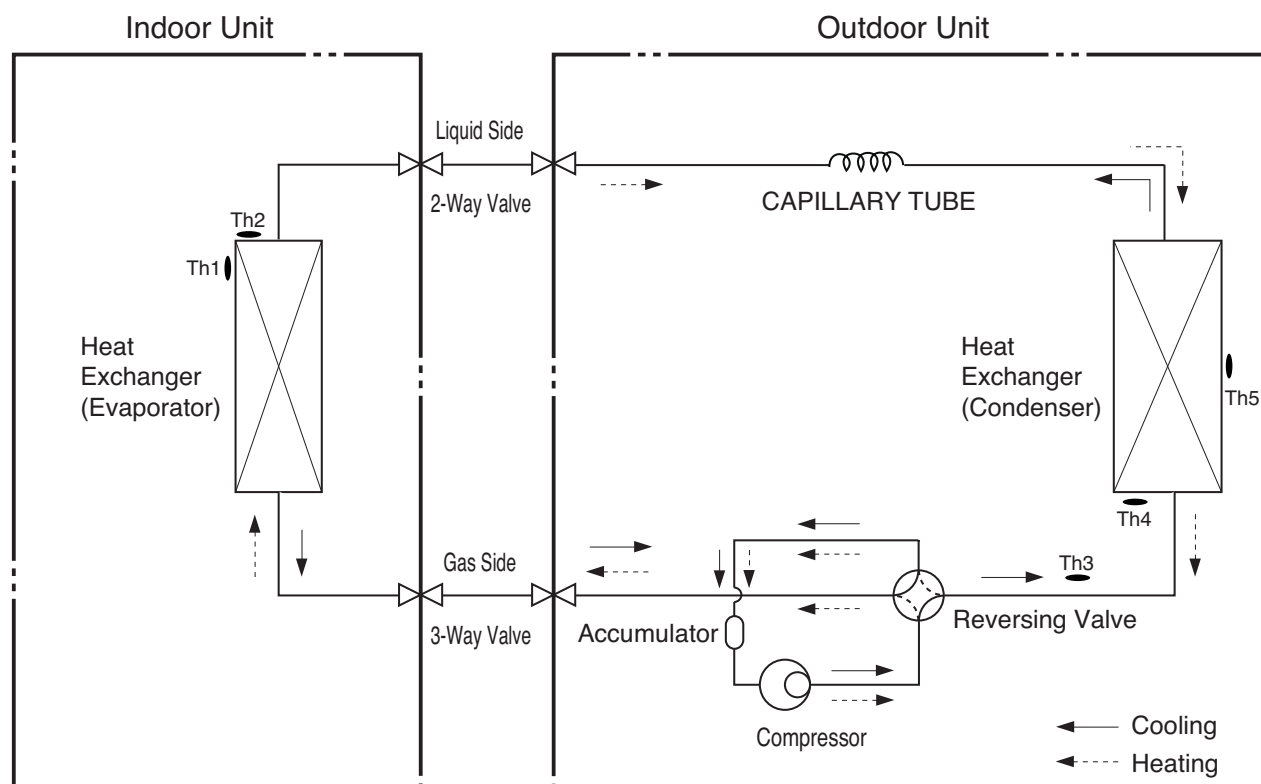


LOC.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN_TH1(INDOOR)
Th2	Thermistor for evaporating temperature	
Th3	Thermistor for discharge pipe temperature	CN_D_PIPE(OUTDOOR)
Th4	Thermistor for condensing temperature	CN_TH1(OUTDOOR)
Th5	Thermistor for outdoor air temperature	

* EEV : Electronic Expansion Valve.

7. Refrigerant cycle diagrams

Model No : AS-W096WSA0, AS-W126BSA0



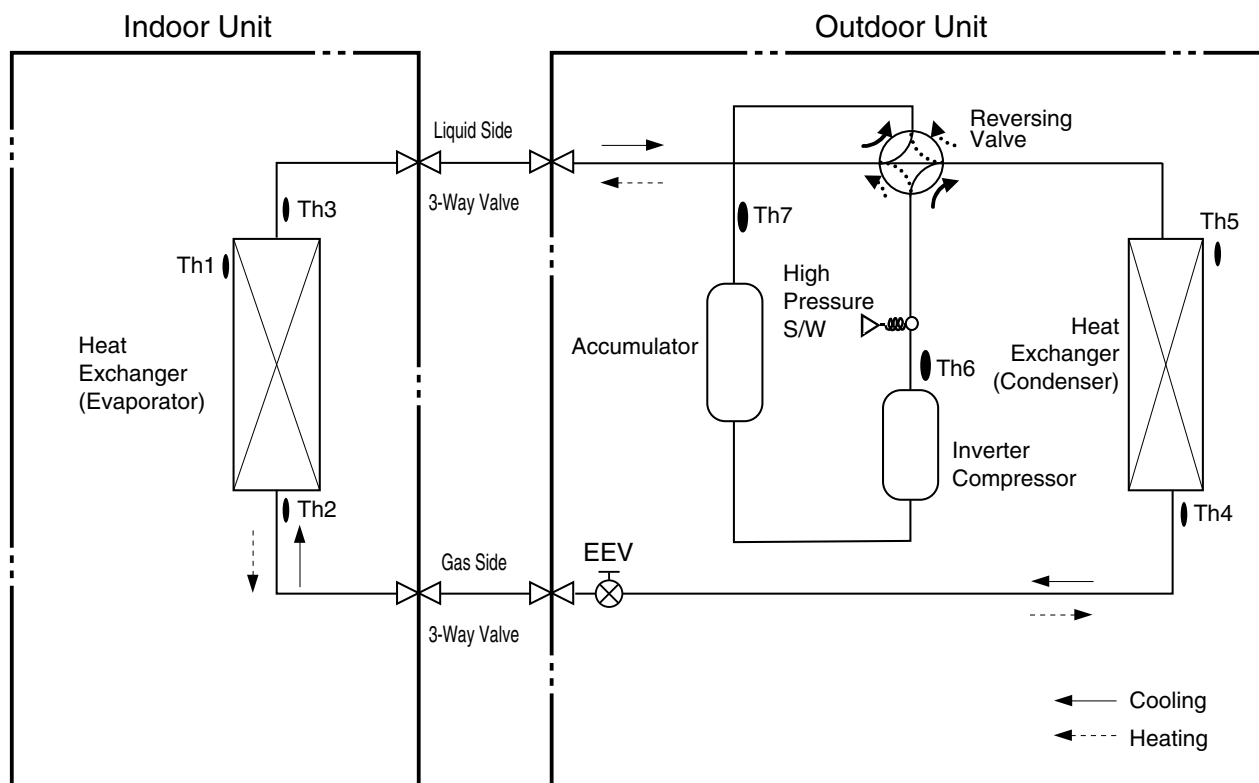
LOC.	Description	PCB Connector
Th1	Thermister for indoor air temperature	CN_TH1(Indoor)
Th2	Thermister for indoor pipe(in) temperature	
Th3	Thermister for indoor pipe(out) temperature	CN-TH2(Indoor)
Th4	Thermister for outdoor pipe temperature	CN_TH2(Outdoor)
Th5	Thermister for outdoor air temperature	
Th6	Thermister for outdoor discharge pipe temperature(Inverter)	CN_TH3(Outdoor)
Th7	Thermister for outdoor suction pipe temperature(Inverter)	

* EEV : Electronic Expansion Valve.

Inverter Single

7. Refrigerant cycle diagrams

Model No : AS-W306DGM0, AS-W366DGM0



LOC.	Description	PCB Connector
Th1	Thermister for indoor air temperature	CN_TH1(Indoor)
Th2	Thermister for indoor pipe(in) temperature	
Th3	Thermister for indoor pipe(out) temperature	CN-TH2(Indoor)
Th4	Thermister for outdoor pipe temperature	CN_TH2(Outdoor)
Th5	Thermister for outdoor air temperature	
Th6	Thermister for outdoor discharge pipe temperature(Inverter)	CN_TH3(Outdoor)
Th7	Thermister for outdoor suction pipe temperature(Inverter)	

* EEV : Electronic Expansion Valve.

8. Capacity tables

8.1 Cooling Capacity

AS-W096MMF0

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20			25			32			35		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.45	2.61	0.25	2.34	2.53	0.26	2.20	2.42	0.35	2.13	2.34	0.39
16.0	22.0	2.60	2.64	0.34	2.49	2.56	0.34	2.35	2.47	0.41	2.28	2.39	0.44
18.0	25.0	2.75	2.67	0.36	2.65	2.59	0.37	2.50	2.50	0.43	2.43	2.43	0.45
19.0	27.0	2.83	2.69	0.37	2.72	2.62	0.37	2.58	2.53	0.44	2.50	2.45	0.45
22.0	30.0	3.05	2.74	0.37	2.95	2.68	0.38	2.80	2.60	0.45	2.73	2.53	0.47
24.0	32.0	3.21	2.79	0.37	3.10	2.73	0.38	2.95	2.66	0.46	2.88	2.59	0.48

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		40			43			46			48		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.04	2.27	0.43	1.98	2.19	0.42	1.93	2.12	0.38	1.87	2.10	0.38
16.0	22.0	2.19	2.32	0.46	2.13	2.25	0.44	2.08	2.18	0.38	2.02	2.17	0.38
18.0	25.0	2.34	2.37	0.47	2.28	2.29	0.44	2.23	2.23	0.37	2.17	2.21	0.36
19.0	27.0	2.41	2.40	0.47	2.36	2.32	0.44	2.30	2.26	0.37	2.24	2.25	0.36
22.0	30.0	2.64	2.47	0.48	2.58	2.40	0.44	2.52	2.34	0.37	2.47	2.33	0.35
24.0	32.0	2.78	2.54	0.49	2.73	2.47	0.45	2.67	2.41	0.38	2.61	2.40	0.36

AS-W126MMF0

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20			25			32			35		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	3.47	0.42	3.28	3.35	0.44	3.08	3.22	0.59	2.99	3.11	0.66
16.0	22.0	3.64	3.51	0.57	3.49	3.41	0.57	3.29	3.28	0.69	3.20	3.18	0.75
18.0	25.0	3.85	3.54	0.62	3.70	3.44	0.62	3.50	3.33	0.73	3.40	3.22	0.76
19.0	27.0	3.96	3.57	0.62	3.81	3.48	0.63	3.61	3.36	0.74	3.50	3.26	0.76
22.0	30.0	4.28	3.65	0.62	4.12	3.56	0.64	3.92	3.45	0.75	3.82	3.36	0.80
24.0	32.0	4.49	3.71	0.62	4.33	3.63	0.64	4.13	3.53	0.77	4.03	3.43	0.81

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		40			43			46			48		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.86	3.02	0.72	2.78	2.91	0.71	2.70	2.82	0.63	2.63	2.79	0.61
16.0	22.0	3.07	3.09	0.78	2.99	2.99	0.74	2.91	2.90	0.64	2.84	2.88	0.60
18.0	25.0	3.27	3.14	0.79	3.19	3.04	0.74	3.12	2.96	0.63	3.04	2.94	0.57
19.0	27.0	3.38	3.19	0.79	3.30	3.09	0.74	3.22	3.00	0.62	3.15	2.99	0.56
22.0	30.0	3.69	3.29	0.80	3.61	3.19	0.74	3.53	3.11	0.62	3.46	3.10	0.56
24.0	32.0	3.90	3.37	0.82	3.82	3.28	0.76	3.74	3.20	0.64	3.67	3.19	0.57

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. ■■■■■ Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

AS-W096WSA0

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20			25			32			35		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.45	2.05	0.43	2.34	1.98	0.45	2.20	1.90	0.60	2.13	1.84	0.67
16.0	22.0	2.60	2.08	0.58	2.49	2.01	0.59	2.35	1.94	0.71	2.28	1.88	0.77
18.0	25.0	2.75	2.10	0.63	2.65	2.04	0.64	2.50	1.97	0.75	2.43	1.91	0.78
19.0	27.0	2.83	2.11	0.64	2.72	2.06	0.64	2.58	1.99	0.76	2.50	1.93	0.78
22.0	30.0	3.05	2.16	0.64	2.95	2.10	0.66	2.80	2.04	0.77	2.73	1.98	0.82
24.0	32.0	3.21	2.20	0.63	3.10	2.14	0.66	2.95	2.09	0.79	2.88	2.03	0.83

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		40			43			46			48		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.04	1.78	0.74	1.98	1.72	0.73	1.93	1.67	0.65	1.87	1.65	0.62
16.0	22.0	2.19	1.83	0.80	2.13	1.77	0.76	2.08	1.71	0.66	2.02	1.70	0.61
18.0	25.0	2.34	1.86	0.81	2.28	1.80	0.76	2.23	1.75	0.64	2.17	1.74	0.58
19.0	27.0	2.41	1.88	0.81	2.36	1.83	0.76	2.30	1.78	0.64	2.24	1.77	0.57
22.0	30.0	2.64	1.94	0.82	2.58	1.89	0.76	2.52	1.84	0.64	2.47	1.83	0.57
24.0	32.0	2.78	1.99	0.84	2.73	1.94	0.78	2.67	1.89	0.65	2.61	1.89	0.58

AS-W096WSA0

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20			25			32			35		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	3.21	0.60	3.28	3.10	0.63	3.08	2.98	0.84	2.99	2.88	0.94
16.0	22.0	3.64	3.25	0.82	3.49	3.15	0.82	3.29	3.03	1.00	3.20	2.94	1.07
18.0	25.0	3.85	3.28	0.88	3.70	3.18	0.89	3.50	3.08	1.05	3.40	2.98	1.09
19.0	27.0	3.96	3.31	0.89	3.81	3.22	0.90	3.61	3.11	1.06	3.50	3.01	1.09
22.0	30.0	4.28	3.37	0.89	4.12	3.29	0.92	3.92	3.19	1.08	3.82	3.10	1.14
24.0	32.0	4.49	3.43	0.89	4.33	3.35	0.92	4.13	3.27	1.10	4.03	3.18	1.17

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		40			43			46			48		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.86	2.79	1.03	2.78	2.69	1.01	2.70	2.61	0.91	2.63	2.58	0.84
16.0	22.0	3.07	2.86	1.11	2.99	2.76	1.06	2.91	2.68	0.92	2.84	2.66	0.83
18.0	25.0	3.27	2.91	1.13	3.19	2.82	1.06	3.12	2.74	0.90	3.04	2.72	0.79
19.0	27.0	3.38	2.95	1.13	3.30	2.85	1.06	3.22	2.78	0.89	3.15	2.76	0.78
22.0	30.0	3.69	3.04	1.15	3.61	2.95	1.07	3.53	2.88	0.89	3.46	2.87	0.77
24.0	32.0	3.90	3.12	1.18	3.82	3.03	1.09	3.74	2.96	0.91	3.67	2.95	0.79

Symbol

AFR : Air Flow Rate [m³/min]
 DB : Dry Bulb Temperature [°C]
 WB : Wet Bulb Temperature [°C]
 TC : Total Capacity [kW]
 SHC : Sensible Heating Capacity [kW]
 PI : Power Input [kW]
 (Comp.+ indoor fan motor + outdoor fan motor)

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. ■■■■■ Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W096B1U0, AS-W096BMS0, AS-W096B*U0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.45	2.26	0.30	2.34	2.19	0.32	2.20	2.10	0.43
16.0	22.0	2.60	2.29	0.41	2.49	2.22	0.42	2.35	2.14	0.50
18.0	25.0	2.75	2.31	0.45	2.65	2.25	0.45	2.50	2.17	0.53
19.0	27.0	2.83	2.33	0.45	2.72	2.27	0.45	2.58	2.20	0.53
22.0	30.0	3.05	2.38	0.45	2.95	2.32	0.46	2.80	2.25	0.55
24.0	32.0	3.21	2.42	0.45	3.10	2.37	0.47	2.95	2.31	0.56

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.13	2.03	0.48	2.04	1.97	0.52	1.98	1.90	0.51
16.0	22.0	2.28	2.07	0.54	2.19	2.02	0.56	2.13	1.95	0.54
18.0	25.0	2.43	2.11	0.55	2.34	2.05	0.57	2.28	1.99	0.53
19.0	27.0	2.50	2.13	0.55	2.41	2.08	0.57	2.36	2.02	0.53
22.0	30.0	2.73	2.19	0.58	2.64	2.15	0.58	2.58	2.08	0.54
24.0	32.0	2.88	2.24	0.59	2.78	2.20	0.59	2.73	2.14	0.55

AS-W096B4W0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.58	2.58	0.33	2.50	2.50	0.35	2.40	2.39	0.46
16.0	22.0	2.61	2.61	0.45	2.53	2.53	0.45	2.44	2.44	0.55
18.0	25.0	2.75	2.64	0.49	2.65	2.56	0.49	2.50	2.47	0.58
19.0	27.0	2.83	2.66	0.49	2.72	2.59	0.50	2.58	2.50	0.58
22.0	30.0	3.05	2.71	0.49	2.95	2.64	0.50	2.80	2.57	0.60
24.0	32.0	3.21	2.76	0.49	3.10	2.70	0.51	2.95	2.63	0.61

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.31	2.31	0.52	2.24	2.24	0.57	2.16	2.16	0.56
16.0	22.0	2.36	2.36	0.59	2.30	2.30	0.61	2.22	2.22	0.58
18.0	25.0	2.43	2.40	0.60	2.34	2.34	0.62	2.28	2.26	0.58
19.0	27.0	2.50	2.42	0.60	2.41	2.37	0.62	2.36	2.30	0.58
22.0	30.0	2.73	2.50	0.63	2.64	2.44	0.63	2.58	2.37	0.59
24.0	32.0	2.88	2.55	0.64	2.78	2.51	0.65	2.73	2.44	0.60

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

AS-W096E*U3

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.45	2.00	0.34	2.34	1.93	0.35	2.20	1.85	0.47
16.0	22.0	2.60	2.02	0.46	2.49	1.96	0.46	2.35	1.89	0.56
18.0	25.0	2.75	2.04	0.49	2.65	1.98	0.50	2.50	1.92	0.59
19.0	27.0	2.83	2.06	0.50	2.72	2.00	0.50	2.58	1.94	0.59
22.0	30.0	3.05	2.10	0.50	2.95	2.05	0.51	2.80	1.99	0.61
24.0	32.0	3.21	2.14	0.50	3.10	2.09	0.52	2.95	2.03	0.62

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.13	1.79	0.53	2.04	1.74	0.58	1.98	1.68	0.57
16.0	22.0	2.28	1.83	0.60	2.19	1.78	0.62	2.13	1.72	0.59
18.0	25.0	2.43	1.86	0.61	2.34	1.81	0.63	2.28	1.75	0.59
19.0	27.0	2.50	1.88	0.61	2.41	1.83	0.63	2.36	1.78	0.59
22.0	30.0	2.73	1.93	0.64	2.64	1.89	0.64	2.58	1.84	0.60
24.0	32.0	2.88	1.98	0.65	2.78	1.94	0.66	2.73	1.89	0.61

AS-W096HDW0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.45	2.02	0.34	2.34	1.96	0.36	2.20	1.88	0.48
16.0	22.0	2.60	2.05	0.46	2.49	1.99	0.47	2.35	1.92	0.57
18.0	25.0	2.75	2.07	0.50	2.65	2.01	0.50	2.50	1.94	0.59
19.0	27.0	2.83	2.09	0.51	2.72	2.03	0.51	2.58	1.96	0.60
22.0	30.0	3.05	2.13	0.51	2.95	2.08	0.52	2.80	2.02	0.62
24.0	32.0	3.21	2.17	0.50	3.10	2.12	0.53	2.95	2.06	0.63

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.13	1.82	0.54	2.04	1.76	0.59	1.98	1.70	0.58
16.0	22.0	2.28	1.85	0.61	2.19	1.80	0.63	2.13	1.74	0.60
18.0	25.0	2.43	1.88	0.62	2.34	1.84	0.64	2.28	1.78	0.60
19.0	27.0	2.50	1.90	0.62	2.41	1.86	0.64	2.36	1.80	0.60
22.0	30.0	2.73	1.96	0.65	2.64	1.92	0.66	2.58	1.86	0.61
24.0	32.0	2.88	2.00	0.66	2.78	1.97	0.67	2.73	1.91	0.62

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W096F*G*

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.19	1.71	0.54	2.14	1.69	0.64	2.04	1.65	0.75
16.0	22.0	2.55	1.94	0.55	2.50	1.92	0.65	2.38	1.86	0.76
18.0	25.0	2.85	2.11	0.56	2.79	2.09	0.66	2.66	2.02	0.77
19.0	27.0	2.98	2.18	0.57	2.92	2.16	0.68	2.78	2.09	0.79
22.0	30.0	3.27	2.31	0.58	3.20	2.28	0.68	3.05	2.21	0.80
24.0	32.0	3.40	2.35	0.59	3.33	2.32	0.69	3.17	2.24	0.81

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	1.98	1.61	0.79	1.91	1.58	0.84	1.86	1.55	0.87
16.0	22.0	2.31	1.82	0.80	2.23	1.78	0.86	2.17	1.75	0.88
18.0	25.0	2.58	1.98	0.82	2.48	1.93	0.87	2.43	1.90	0.90
19.0	27.0	2.70	2.04	0.83	2.60	1.99	0.88	2.54	1.95	0.91
22.0	30.0	2.96	2.15	0.84	2.85	2.09	0.89	2.79	2.06	0.92
24.0	32.0	3.07	2.18	0.85	2.96	2.12	0.91	2.89	2.08	0.94

AS-W126B1U0, AS-W126BMS0, AS-W126B*U0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	3.17	0.49	3.28	3.07	0.51	3.08	2.94	0.68
16.0	22.0	3.64	3.21	0.66	3.49	3.11	0.66	3.29	3.00	0.80
18.0	25.0	3.85	3.24	0.71	3.70	3.15	0.72	3.50	3.04	0.84
19.0	27.0	3.96	3.27	0.72	3.81	3.18	0.73	3.61	3.07	0.85
22.0	30.0	4.28	3.33	0.72	4.12	3.25	0.74	3.92	3.16	0.87
24.0	32.0	4.49	3.39	0.72	4.33	3.31	0.75	4.13	3.23	0.89

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.99	2.84	0.76	2.86	2.76	0.84	2.78	2.66	0.82
16.0	22.0	3.20	2.90	0.86	3.07	2.82	0.90	2.99	2.73	0.86
18.0	25.0	3.40	2.95	0.88	3.27	2.87	0.91	3.19	2.78	0.86
19.0	27.0	3.50	2.98	0.88	3.38	2.91	0.92	3.30	2.82	0.85
22.0	30.0	3.82	3.07	0.92	3.69	3.00	0.93	3.61	2.92	0.86
24.0	32.0	4.03	3.14	0.94	3.90	3.08	0.95	3.82	2.99	0.88

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W126B4W0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	3.04	0.56	3.28	2.94	0.58	3.08	2.82	0.78
16.0	22.0	3.64	3.08	0.76	3.49	2.98	0.76	3.29	2.87	0.92
18.0	25.0	3.85	3.10	0.82	3.70	3.02	0.82	3.50	2.91	0.97
19.0	27.0	3.96	3.13	0.83	3.81	3.05	0.83	3.61	2.95	0.98
22.0	30.0	4.28	3.19	0.83	4.12	3.11	0.85	3.92	3.03	1.00
24.0	32.0	4.49	3.25	0.82	4.33	3.18	0.86	4.13	3.09	1.02

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.99	2.73	0.87	2.86	2.64	0.96	2.78	2.55	0.94
16.0	22.0	3.20	2.78	0.99	3.07	2.71	1.03	2.99	2.62	0.98
18.0	25.0	3.40	2.83	1.01	3.27	2.75	1.05	3.19	2.67	0.98
19.0	27.0	3.50	2.85	1.01	3.38	2.79	1.05	3.30	2.70	0.98
22.0	30.0	3.82	2.94	1.06	3.69	2.88	1.07	3.61	2.80	0.99
24.0	32.0	4.03	3.01	1.08	3.90	2.95	1.09	3.82	2.87	1.01

AS-W126E*U3

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	2.83	0.57	3.28	2.74	0.59	3.08	2.63	0.80
16.0	22.0	3.64	2.87	0.77	3.49	2.78	0.78	3.29	2.68	0.94
18.0	25.0	3.85	2.90	0.83	3.70	2.81	0.84	3.50	2.72	0.99
19.0	27.0	3.96	2.92	0.84	3.81	2.84	0.85	3.61	2.75	1.00
22.0	30.0	4.28	2.98	0.84	4.12	2.91	0.87	3.92	2.82	1.02
24.0	32.0	4.49	3.03	0.84	4.33	2.96	0.87	4.13	2.89	1.04

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.99	2.54	0.89	2.86	2.46	0.98	2.78	2.38	0.96
16.0	22.0	3.20	2.60	1.01	3.07	2.52	1.05	2.99	2.44	1.00
18.0	25.0	3.40	2.64	1.03	3.27	2.57	1.07	3.19	2.49	1.00
19.0	27.0	3.50	2.66	1.03	3.38	2.60	1.07	3.30	2.52	1.00
22.0	30.0	3.82	2.74	1.08	3.69	2.69	1.09	3.61	2.61	1.01
24.0	32.0	4.03	2.81	1.10	3.90	2.75	1.11	3.82	2.68	1.03

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W126HDW0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	2.80	0.59	3.28	2.71	0.61	3.08	2.60	0.82
16.0	22.0	3.64	2.83	0.79	3.49	2.75	0.80	3.29	2.65	0.97
18.0	25.0	3.85	2.86	0.86	3.70	2.78	0.86	3.50	2.68	1.02
19.0	27.0	3.96	2.88	0.87	3.81	2.80	0.88	3.61	2.71	1.03
22.0	30.0	4.28	2.94	0.87	4.12	2.87	0.89	3.92	2.79	1.05
24.0	32.0	4.49	2.99	0.86	4.33	2.92	0.90	4.13	2.85	1.07

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.99	2.51	0.92	2.86	2.43	1.01	2.78	2.35	0.99
16.0	22.0	3.20	2.56	1.04	3.07	2.49	1.08	2.99	2.41	1.03
18.0	25.0	3.40	2.60	1.06	3.27	2.54	1.10	3.19	2.46	1.03
19.0	27.0	3.50	2.63	1.06	3.38	2.57	1.10	3.30	2.49	1.03
22.0	30.0	3.82	2.71	1.11	3.69	2.65	1.12	3.61	2.57	1.04
24.0	32.0	4.03	2.77	1.13	3.90	2.72	1.14	3.82	2.64	1.06

AS-W126F*G*

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.43	2.82	0.60	3.28	2.73	0.63	3.08	2.62	0.84
16.0	22.0	3.64	2.85	0.82	3.49	2.77	0.82	3.29	2.67	1.00
18.0	25.0	3.85	2.88	0.88	3.70	2.80	0.89	3.50	2.70	1.05
19.0	27.0	3.96	2.90	0.89	3.81	2.83	0.90	3.61	2.73	1.06
22.0	30.0	4.28	2.96	0.89	4.12	2.89	0.92	3.92	2.81	1.08
24.0	32.0	4.49	3.02	0.89	4.33	2.95	0.92	4.13	2.87	1.10

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.99	2.53	0.94	2.86	2.45	1.03	2.78	2.36	1.01
16.0	22.0	3.20	2.58	1.07	3.07	2.51	1.11	2.99	2.43	1.06
18.0	25.0	3.40	2.62	1.09	3.27	2.55	1.13	3.19	2.47	1.06
19.0	27.0	3.50	2.64	1.09	3.38	2.59	1.13	3.30	2.51	1.06
22.0	30.0	3.82	2.73	1.14	3.69	2.67	1.15	3.61	2.59	1.07
24.0	32.0	4.03	2.79	1.17	3.90	2.74	1.18	3.82	2.66	1.09

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W186C2U0, AS-W186C*U0, AS-W186C4W0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.10	4.15	0.83	4.88	4.02	0.87	4.58	3.86	1.16
16.0	22.0	5.41	4.21	1.12	5.19	4.08	1.13	4.89	3.93	1.37
18.0	25.0	5.73	4.24	1.21	5.50	4.13	1.22	5.20	3.99	1.44
19.0	27.0	5.88	4.28	1.23	5.66	4.17	1.24	5.36	4.03	1.45
22.0	30.0	6.35	4.37	1.23	6.13	4.26	1.26	5.82	4.14	1.49
24.0	32.0	6.67	4.45	1.22	6.44	4.35	1.27	6.13	4.23	1.52

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	4.44	3.73	1.30	4.24	3.61	1.42	4.13	3.49	1.40
16.0	22.0	4.75	3.80	1.47	4.55	3.70	1.53	4.44	3.58	1.46
18.0	25.0	5.06	3.86	1.50	4.86	3.77	1.56	4.75	3.65	1.46
19.0	27.0	5.20	3.90	1.50	5.02	3.82	1.56	4.90	3.70	1.45
22.0	30.0	5.68	4.02	1.57	5.48	3.94	1.58	5.37	3.82	1.47
24.0	32.0	5.99	4.12	1.60	5.79	4.04	1.62	5.67	3.92	1.50

AS-W1865DU3, AS-W1868*U3

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.18	4.27	0.89	4.95	4.14	0.93	4.65	3.97	1.25
16.0	22.0	5.50	4.33	1.21	5.27	4.20	1.22	4.97	4.04	1.47
18.0	25.0	5.81	4.37	1.30	5.59	4.24	1.31	5.28	4.10	1.54
19.0	27.0	5.97	4.41	1.32	5.75	4.29	1.33	5.44	4.15	1.56
22.0	30.0	6.45	4.49	1.32	6.22	4.38	1.35	5.91	4.26	1.60
24.0	32.0	6.77	4.58	1.31	6.54	4.47	1.36	6.23	4.35	1.63

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	4.51	3.83	1.39	4.31	3.72	1.53	4.19	3.59	1.50
16.0	22.0	4.82	3.91	1.58	4.62	3.81	1.65	4.51	3.68	1.57
18.0	25.0	5.14	3.98	1.61	4.94	3.88	1.67	4.82	3.75	1.56
19.0	27.0	5.28	4.01	1.61	5.10	3.93	1.67	4.98	3.81	1.56
22.0	30.0	5.76	4.14	1.69	5.57	4.05	1.70	5.45	3.93	1.58
24.0	32.0	6.08	4.23	1.72	5.88	4.15	1.74	5.76	4.04	1.61

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate.
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W246C2U0, AS-W246C*U0, AS-W246C4W0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20.0	6.89	5.02	1.21	6.59	4.85	1.26	6.19	4.66	1.70
16	22.0	7.32	5.08	1.64	7.02	4.93	1.65	6.61	4.75	2.00
18	25.0	7.74	5.13	1.77	7.44	4.98	1.78	7.03	4.81	2.10
19	27.0	7.95	5.17	1.79	7.65	5.03	1.81	7.24	4.87	2.12
22	30.0	8.59	5.27	1.79	8.28	5.14	1.84	7.87	5.00	2.17
24	32.0	9.02	5.37	1.78	8.70	5.25	1.86	8.29	5.11	2.21

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20.0	6.00	4.50	1.89	5.74	4.36	2.08	5.58	4.21	2.04
16	22.0	6.42	4.60	2.15	6.16	4.47	2.24	6.00	4.32	2.13
18	25.0	6.84	4.67	2.19	6.58	4.55	2.27	6.42	4.41	2.13
19	27.0	7.03	4.71	2.19	6.78	4.61	2.28	6.63	4.47	2.12
22	30.0	7.67	4.86	2.30	7.41	4.75	2.31	7.25	4.62	2.15
24	32.0	8.09	4.97	2.34	7.83	4.88	2.36	7.67	4.74	2.19

AS-W2465DU3, AS-W2468*U3

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	6.89	5.54	1.34	6.59	5.36	1.40	6.19	5.15	1.88
16.0	22.0	7.32	5.61	1.81	7.02	5.44	1.83	6.61	5.24	2.21
18.0	25.0	7.74	5.66	1.96	7.44	5.50	1.97	7.03	5.32	2.32
19.0	27.0	7.95	5.71	1.98	7.65	5.56	2.00	7.24	5.38	2.35
22.0	30.0	8.59	5.83	1.98	8.28	5.68	2.03	7.87	5.52	2.40
24.0	32.0	9.02	5.93	1.97	8.70	5.80	2.05	8.29	5.64	2.45

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	6.00	4.97	2.09	5.74	4.82	2.30	5.58	4.65	2.25
16.0	22.0	6.42	5.08	2.38	6.16	4.94	2.48	6.00	4.77	2.36
18.0	25.0	6.84	5.15	2.42	6.58	5.02	2.51	6.42	4.87	2.35
19.0	27.0	7.03	5.20	2.42	6.78	5.09	2.52	6.63	4.93	2.35
22.0	30.0	7.67	5.36	2.54	7.41	5.25	2.56	7.25	5.10	2.37
24.0	32.0	8.09	5.49	2.59	7.83	5.39	2.61	7.67	5.23	2.42

Symbol

AFR : Air Flow Rate	[m³/min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor + outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

AS-W306DGM0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	7.84	6.90	1.46	7.50	6.68	1.53	7.04	6.41	2.05
16.0	22.0	8.33	6.99	1.98	7.98	6.78	2.00	7.52	6.53	2.42
18.0	25.0	8.81	7.05	2.15	8.46	6.85	2.16	8.00	6.62	2.54
19.0	27.0	9.05	7.12	2.17	8.70	6.92	2.19	8.24	6.70	2.57
22.0	30.0	9.78	7.26	2.17	9.43	7.08	2.23	8.96	6.88	2.63
24.0	32.0	10.3	7.39	2.16	9.91	7.22	2.25	9.44	7.03	2.68

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	6.83	6.19	2.29	6.53	6.00	2.52	6.35	5.79	2.46
16.0	22.0	7.31	6.32	2.60	7.01	6.15	2.71	6.83	5.94	2.58
18.0	25.0	7.78	6.42	2.65	7.48	6.26	2.75	7.30	6.06	2.58
19.0	27.0	8.00	6.48	2.65	7.72	6.34	2.76	7.54	6.14	2.57
22.0	30.0	8.73	6.68	2.78	8.43	6.54	2.80	8.25	6.35	2.60
24.0	32.0	9.21	6.84	2.83	8.91	6.71	2.86	8.73	6.52	2.65

AS-W366DGM0

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	8.82	7.29	1.65	8.44	7.05	1.72	7.93	6.77	2.31
16.0	22.0	9.37	7.38	2.23	8.98	7.16	2.25	8.46	6.89	2.72
18.0	25.0	9.91	7.44	2.41	9.52	7.24	2.43	9.00	6.99	2.86
19.0	27.0	10.2	7.51	2.44	9.79	7.31	2.46	9.27	7.07	2.89
22.0	30.0	11.0	7.66	2.44	10.6	7.47	2.50	10.1	7.26	2.96
24.0	32.0	11.5	7.80	2.43	11.1	7.62	2.53	10.6	7.42	3.01

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	7.68	6.54	2.58	7.35	6.34	2.83	7.14	6.12	2.77
16.0	22.0	8.22	6.67	2.92	7.88	6.49	3.05	7.68	6.27	2.90
18.0	25.0	8.75	6.78	2.98	8.42	6.61	3.09	8.22	6.40	2.90
19.0	27.0	9.00	6.84	2.98	8.69	6.69	3.10	8.48	6.49	2.89
22.0	30.0	9.83	7.05	3.12	9.49	6.90	3.15	9.29	6.70	2.92
24.0	32.0	10.4	7.22	3.19	10.0	7.08	3.22	9.82	6.88	2.98

Symbol

AFR : Air Flow Rate [m³/min]
 DB : Dry Bulb Temperature [°C]
 WB : Wet Bulb Temperature [°C]
 TC : Total Capacity [kW]
 SHC : Sensible Heating Capacity [kW]
 PI : Power Input [kW]
 (Comp.+ indoor fan motor + outdoor fan motor)

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.

8. Capacity tables

8.2 Heating Capacity

AS-W096MMF0

Indoor Air Temperature	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.4	0.5	2.5	0.5	2.7	0.5	2.9	0.5	3.3	0.5	3.4	0.6	3.7	0.6
18.0	2.4	0.5	2.5	0.5	2.7	0.5	2.9	0.5	3.2	0.6	3.4	0.6	3.7	0.6
20.0	2.4	0.5	2.5	0.5	2.7	0.5	2.9	0.5	3.2	0.6	3.4	0.6	3.7	0.6
21.0	2.4	0.5	2.5	0.5	2.7	0.5	2.9	0.5	3.2	0.6	3.4	0.6	3.7	0.6
22.0	2.4	0.5	2.5	0.5	2.7	0.5	2.9	0.6	3.2	0.6	3.4	0.6	3.7	0.6
24.0	2.3	0.5	2.5	0.5	2.7	0.5	2.9	0.6	3.1	0.6	3.3	0.6	3.6	0.6

AS-W126MMF0

Indoor Air Temperature	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.0	0.7	3.2	0.7	3.4	0.7	3.7	0.7	4.1	0.8	4.3	0.8	4.7	0.9
18.0	3.0	0.7	3.2	0.7	3.4	0.7	3.7	0.8	4.0	0.8	4.2	0.8	4.6	0.9
20.0	3.0	0.7	3.2	0.7	3.4	0.7	3.7	0.8	4.0	0.8	4.2	0.8	4.7	0.9
21.0	3.0	0.7	3.2	0.7	3.4	0.7	3.6	0.8	4.0	0.8	4.2	0.9	4.6	0.9
22.0	2.9	0.7	3.2	0.7	3.4	0.7	3.6	0.8	3.9	0.8	4.2	0.9	4.6	0.9
24.0	2.9	0.7	3.1	0.7	3.4	0.8	3.6	0.8	3.9	0.8	4.1	0.9	4.5	0.9

AS-W096WSA0

Indoor Air Temperature	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.1	0.6	2.2	0.6	2.4	0.6	2.6	0.7	2.8	0.7	3.0	0.8	3.3	0.8
18.0	2.1	0.6	2.2	0.6	2.4	0.7	2.6	0.7	2.8	0.8	3.0	0.8	3.3	0.8
20.0	2.1	0.6	2.2	0.6	2.4	0.7	2.6	0.7	2.8	0.8	3.0	0.8	3.3	0.8
21.0	2.1	0.7	2.2	0.7	2.4	0.7	2.6	0.7	2.8	0.8	3.0	0.8	3.2	0.8
22.0	2.1	0.7	2.2	0.7	2.4	0.7	2.5	0.7	2.8	0.8	2.9	0.8	3.2	0.8
24.0	2.0	0.7	2.2	0.7	2.4	0.7	2.5	0.8	2.7	0.8	2.9	0.8	3.2	0.8

AS-W126BSA0

Indoor Air Temperature	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.9	0.9	3.0	0.8	3.3	0.9	3.5	0.9	3.9	1.0	4.1	1.0	4.4	1.1
18.0	2.8	0.9	3.0	0.9	3.3	0.9	3.5	1.0	3.8	1.0	4.0	1.1	4.4	1.1
20.0	2.8	0.9	3.0	0.9	3.3	0.9	3.5	1.0	3.8	1.1	4.0	1.1	4.4	1.1
21.0	2.8	0.9	3.0	0.9	3.3	0.9	3.5	1.0	3.8	1.1	4.0	1.1	4.4	1.1
22.0	2.8	0.9	3.0	0.9	3.3	1.0	3.5	1.0	3.7	1.1	4.0	1.1	4.4	1.1
24.0	2.8	0.9	3.0	0.9	3.2	1.0	3.4	1.0	3.7	1.1	3.9	1.1	4.3	1.1

Symbol

AFR : Air Flow Rate
 DB : Dry Bulb Temperature
 WB : Wet Bulb Temperature
 TC : Total Capacity
 PI : Power Input
 (Comp.+ Indoor fan motor + Outdoor fan motor)

[m³/min]
 [°C]
 [°C]
 [kW]
 [kW]

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB

Inverter Single

8. Capacity tables

AS-W096B1U0, AS-W096BMS0, AS-W096B*U0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.53	0.56	2.74	0.58	2.93	0.63	3.25	0.67	3.44	0.70	3.73	0.74
18.0	2.53	0.57	2.75	0.60	2.93	0.64	3.23	0.69	3.39	0.71	3.72	0.75
20.0	2.53	0.59	2.75	0.62	2.92	0.66	3.20	0.70	3.37	0.72	3.73	0.76
21.0	2.53	0.59	2.75	0.63	2.92	0.67	3.18	0.71	3.37	0.73	3.70	0.76
22.0	2.53	0.60	2.75	0.63	2.91	0.68	3.16	0.71	3.37	0.73	3.67	0.76
24.0	2.50	0.62	2.71	0.65	2.88	0.69	3.13	0.72	3.31	0.74	3.63	0.76

AS-W096B4W0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.53	0.61	2.74	0.64	2.93	0.69	3.25	0.74	3.44	0.77	3.73	0.82
18.0	2.53	0.63	2.75	0.66	2.93	0.71	3.23	0.75	3.39	0.78	3.72	0.83
20.0	2.53	0.64	2.75	0.68	2.92	0.73	3.20	0.77	3.37	0.79	3.73	0.83
21.0	2.53	0.65	2.75	0.69	2.92	0.74	3.18	0.78	3.37	0.80	3.70	0.83
22.0	2.53	0.66	2.75	0.70	2.91	0.75	3.16	0.78	3.37	0.80	3.67	0.83
24.0	2.50	0.68	2.71	0.72	2.88	0.76	3.13	0.80	3.31	0.81	3.63	0.84

AS-W096E*U3

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.57	0.60	2.79	0.63	2.98	0.68	3.30	0.73	3.49	0.76	3.79	0.81
18.0	2.57	0.62	2.79	0.65	2.97	0.70	3.28	0.74	3.45	0.77	3.78	0.82
20.0	2.57	0.64	2.79	0.67	2.97	0.72	3.25	0.76	3.42	0.78	3.78	0.82
21.0	2.57	0.64	2.79	0.68	2.96	0.73	3.23	0.77	3.42	0.79	3.76	0.82
22.0	2.57	0.65	2.79	0.69	2.95	0.74	3.21	0.77	3.42	0.79	3.73	0.82
24.0	2.54	0.67	2.76	0.71	2.93	0.75	3.18	0.79	3.36	0.80	3.68	0.83

AS-W096F*G*

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.77	0.76	3.00	0.80	3.21	0.86	3.56	0.92	3.76	0.96	4.08	1.02
18.0	2.76	0.78	3.00	0.82	3.20	0.88	3.53	0.94	3.71	0.97	4.07	1.03
20.0	2.76	0.80	3.01	0.85	3.20	0.91	3.50	0.96	3.69	0.99	4.07	1.04
21.0	2.76	0.81	3.01	0.86	3.19	0.92	3.48	0.97	3.69	1.00	4.05	1.04
22.0	2.76	0.83	3.00	0.87	3.18	0.93	3.45	0.98	3.68	1.00	4.01	1.04
24.0	2.74	0.85	2.97	0.89	3.15	0.95	3.43	0.99	3.62	1.01	3.97	1.05

Symbol

AFR : Air Flow Rate [m³/min]
 DB : Dry Bulb Temperature [°C]
 WB : Wet Bulb Temperature [°C]
 TC : Total Capacity [kW]
 PI : Power Input [kW]
 (Comp.+ Indoor fan motor + Outdoor fan motor)

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB

8. Capacity tables

AS-W096HDW0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.53	0.62	2.74	0.65	2.93	0.70	3.25	0.75	3.44	0.78	3.73	0.83
18.0	2.53	0.64	2.75	0.67	2.93	0.72	3.23	0.76	3.39	0.79	3.72	0.84
20.0	2.53	0.65	2.75	0.69	2.92	0.74	3.20	0.78	3.37	0.80	3.73	0.84
21.0	2.53	0.66	2.75	0.70	2.92	0.75	3.18	0.79	3.37	0.81	3.70	0.84
22.0	2.53	0.67	2.75	0.71	2.91	0.76	3.16	0.79	3.37	0.81	3.67	0.84
24.0	2.50	0.69	2.71	0.73	2.88	0.77	3.13	0.81	3.31	0.82	3.63	0.85

AS-W126B1U0, AS-W126BMS0, AS-W126B*U0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.16	0.76	3.43	0.79	3.66	0.85	4.07	0.91	4.30	0.95	4.66	1.01
18.0	3.16	0.78	3.43	0.82	3.66	0.88	4.04	0.94	4.24	0.97	4.65	1.02
20.0	3.16	0.80	3.44	0.84	3.65	0.90	4.00	0.96	4.21	0.98	4.66	1.03
21.0	3.16	0.81	3.44	0.85	3.64	0.91	3.97	0.96	4.21	0.99	4.63	1.03
22.0	3.16	0.82	3.43	0.87	3.63	0.92	3.95	0.97	4.21	1.00	4.59	1.03
24.0	3.13	0.84	3.39	0.89	3.61	0.95	3.91	0.99	4.14	1.01	4.53	1.04

AS-W126B4W0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.16	0.84	3.43	0.87	3.66	0.94	4.07	1.00	4.30	1.05	4.66	1.11
18.0	3.16	0.86	3.43	0.90	3.66	0.97	4.04	1.03	4.24	1.07	4.65	1.13
20.0	3.16	0.88	3.44	0.93	3.65	0.99	4.00	1.05	4.21	1.08	4.66	1.13
21.0	3.16	0.89	3.44	0.94	3.64	1.00	3.97	1.06	4.21	1.09	4.63	1.13
22.0	3.16	0.90	3.43	0.95	3.63	1.02	3.95	1.07	4.21	1.10	4.59	1.13
24.0	3.13	0.93	3.39	0.98	3.61	1.04	3.91	1.09	4.14	1.11	4.53	1.14

AS-W126HDW0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.17	0.86	3.44	0.90	3.67	0.97	4.08	1.03	4.31	1.08	4.67	1.15
18.0	3.17	0.88	3.44	0.93	3.67	0.99	4.05	1.06	4.25	1.10	4.66	1.16
20.0	3.17	0.90	3.44	0.95	3.66	1.02	4.01	1.08	4.23	1.11	4.67	1.17
21.0	3.17	0.92	3.44	0.96	3.65	1.03	3.98	1.09	4.23	1.12	4.64	1.17
22.0	3.17	0.93	3.44	0.98	3.64	1.05	3.96	1.10	4.22	1.13	4.60	1.17
24.0	3.14	0.95	3.40	1.01	3.61	1.07	3.92	1.12	4.15	1.14	4.55	1.18

Symbol

AFR : Air Flow Rate [m³/min]
 DB : Dry Bulb Temperature [°C]
 WB : Wet Bulb Temperature [°C]
 TC : Total Capacity [kW]
 PI : Power Input [kW]
 (Comp.+ Indoor fan motor + Outdoor fan motor)

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. ■■■■■ Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB

Inverter Single

8. Capacity tables

AS-W126F*G*

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.32	0.92	3.60	0.97	3.85	1.04	4.27	1.11	4.51	1.16	4.90	1.23
18.0	3.32	0.95	3.61	0.99	3.84	1.07	4.24	1.14	4.46	1.18	4.88	1.24
20.0	3.32	0.97	3.61	1.02	3.83	1.10	4.20	1.16	4.43	1.20	4.89	1.25
21.0	3.32	0.98	3.61	1.04	3.83	1.11	4.17	1.17	4.43	1.20	4.86	1.25
22.0	3.32	1.00	3.61	1.05	3.82	1.12	4.14	1.18	4.42	1.21	4.82	1.25
24.0	3.29	1.03	3.56	1.08	3.79	1.15	4.11	1.20	4.35	1.22	4.76	1.26

AS-W126E*U3

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.32	0.90	3.60	0.94	3.85	1.01	4.27	1.08	4.51	1.13	4.90	1.20
18.0	3.32	0.92	3.61	0.97	3.84	1.04	4.24	1.11	4.46	1.15	4.88	1.21
20.0	3.32	0.95	3.61	1.00	3.83	1.07	4.20	1.13	4.43	1.16	4.89	1.22
21.0	3.32	0.96	3.61	1.01	3.83	1.08	4.17	1.14	4.43	1.17	4.86	1.22
22.0	3.32	0.97	3.61	1.02	3.82	1.09	4.14	1.15	4.42	1.18	4.82	1.22
24.0	3.29	1.00	3.56	1.05	3.79	1.12	4.11	1.17	4.35	1.19	4.76	1.23

AS-W1865DU3, AS-W1868*U3

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	4.59	1.25	4.97	1.31	5.31	1.40	5.90	1.50	6.23	1.56	6.76	1.67
18.0	4.58	1.28	4.98	1.34	5.31	1.44	5.86	1.54	6.15	1.59	6.74	1.68
20.0	4.58	1.31	4.98	1.38	5.30	1.48	5.80	1.57	6.11	1.62	6.75	1.69
21.0	4.58	1.33	4.98	1.40	5.28	1.50	5.76	1.58	6.11	1.63	6.71	1.70
22.0	4.58	1.35	4.98	1.42	5.27	1.52	5.72	1.60	6.10	1.64	6.65	1.70
24.0	4.54	1.39	4.92	1.46	5.23	1.56	5.68	1.62	6.00	1.65	6.58	1.71

AS-W186C2U0, AS-W186C*U0, AS-W186C4W0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	4.98	1.31	5.40	1.37	5.77	1.48	6.40	1.58	6.77	1.64	7.34	1.75
18.0	4.98	1.35	5.41	1.41	5.77	1.52	6.36	1.62	6.68	1.67	7.32	1.77
20.0	4.97	1.38	5.41	1.45	5.75	1.56	6.30	1.65	6.64	1.70	7.33	1.78
21.0	4.97	1.40	5.41	1.47	5.74	1.58	6.26	1.67	6.64	1.71	7.29	1.78
22.0	4.98	1.42	5.41	1.49	5.72	1.60	6.21	1.68	6.63	1.72	7.23	1.78
24.0	4.93	1.46	5.34	1.54	5.68	1.64	6.17	1.71	6.52	1.74	7.14	1.80

Symbol

AFR : Air Flow Rate

DB : Dry Bulb Temperature

WB : Wet Bulb Temperature

TC : Total Capacity

PI : Power Input

(Comp.+ Indoor fan motor + Outdoor fan motor)

[m³/min]

[°C]

[°C]

[kW]

[kW]

Notes

1. All capacities are net, evaporator fan motor heat is deducted.

2. ■■■■■ Indicates nominal maximum capacity.

3. Direct interpolation is permissible. Do not extrapolate

4. Capacities are based on the following conditions:

- Interconnecting Piping Length 7.5m

- Level Difference of Zero.

- Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB

8. Capacity tables

AS-W246C2U0, AS-W246C*U0, AS-W246C4W0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	6.68	1.85	7.24	1.94	7.73	2.08	8.58	2.23	9.07	2.32	9.84	2.47
18.0	6.67	1.90	7.25	2.00	7.73	2.14	8.52	2.28	8.95	2.36	9.81	2.50
20.0	6.66	1.95	7.25	2.05	7.71	2.20	8.44	2.33	8.89	2.40	9.83	2.51
21.0	6.66	1.98	7.25	2.08	7.69	2.23	8.39	2.35	8.89	2.42	9.76	2.52
22.0	6.67	2.00	7.25	2.11	7.67	2.26	8.33	2.37	8.88	2.43	9.68	2.52
24.0	6.60	2.06	7.16	2.17	7.61	2.31	8.26	2.41	8.73	2.45	9.57	2.54

AS-W2465DU3, AS-W2468*U3

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	6.39	2.07	6.93	2.16	7.40	2.33	8.21	2.49	8.68	2.59	9.42	2.76
18.0	6.38	2.12	6.94	2.23	7.40	2.39	8.16	2.55	8.57	2.64	9.39	2.79
20.0	6.38	2.17	6.94	2.29	7.38	2.45	8.08	2.60	8.51	2.68	9.41	2.81
21.0	6.38	2.20	6.94	2.32	7.36	2.49	8.03	2.62	8.51	2.70	9.34	2.81
22.0	6.38	2.23	6.94	2.36	7.34	2.52	7.97	2.65	8.50	2.71	9.27	2.81
24.0	6.32	2.30	6.85	2.42	7.28	2.58	7.91	2.69	8.36	2.74	9.16	2.83

AS-W306DGM0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	7.59	2.53	8.23	2.65	8.79	2.84	9.76	3.04	10.31	3.17	11.19	3.37
18.0	7.58	2.59	8.24	2.72	8.79	2.92	9.69	3.12	10.18	3.23	11.16	3.41
20.0	7.58	2.66	8.25	2.80	8.76	3.00	9.60	3.18	10.12	3.28	11.18	3.43
21.0	7.58	2.70	8.25	2.84	8.75	3.04	9.54	3.21	10.11	3.30	11.10	3.44
22.0	7.58	2.73	8.24	2.88	8.72	3.08	9.47	3.24	10.10	3.32	11.01	3.44
24.0	7.51	2.81	8.14	2.96	8.65	3.15	9.39	3.29	9.93	3.35	10.88	3.46

AS-W366DGM0

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB											
	-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	8.23	2.74	8.92	2.87	9.52	3.09	10.6	3.30	11.2	3.44	12.1	3.66
18.0	8.21	2.81	8.93	2.96	9.52	3.17	10.5	3.38	11.0	3.50	12.1	3.70
20.0	8.21	2.89	8.93	3.04	9.50	3.26	10.4	3.45	11.0	3.56	12.1	3.72
21.0	8.21	2.92	8.93	3.08	9.47	3.30	10.3	3.48	11.0	3.58	12.0	3.73
22.0	8.21	2.96	8.93	3.13	9.45	3.34	10.3	3.51	10.9	3.60	12.0	3.73
24.0	8.13	3.05	8.82	3.21	9.37	3.42	10.2	3.57	10.8	3.63	11.8	3.76

Symbol

AFR : Air Flow Rate [m³/min]
 DB : Dry Bulb Temperature [°C]
 WB : Wet Bulb Temperature [°C]
 TC : Total Capacity [kW]
 PI : Power Input [kW]
 (Comp.+ Indoor fan motor + Outdoor fan motor)

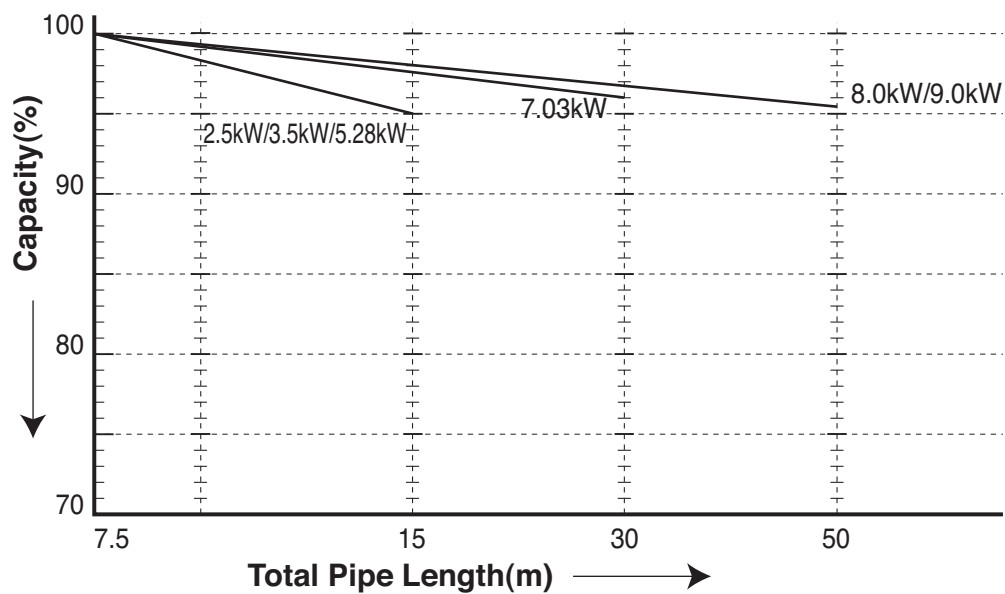
Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB

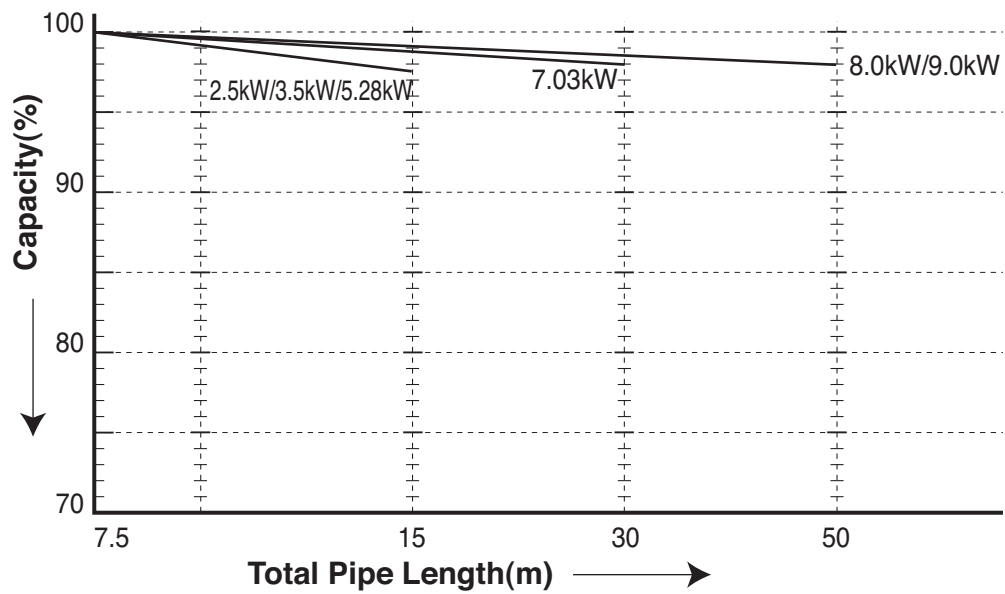
Inverter Single

9. Capacity coefficient factor

Cooling

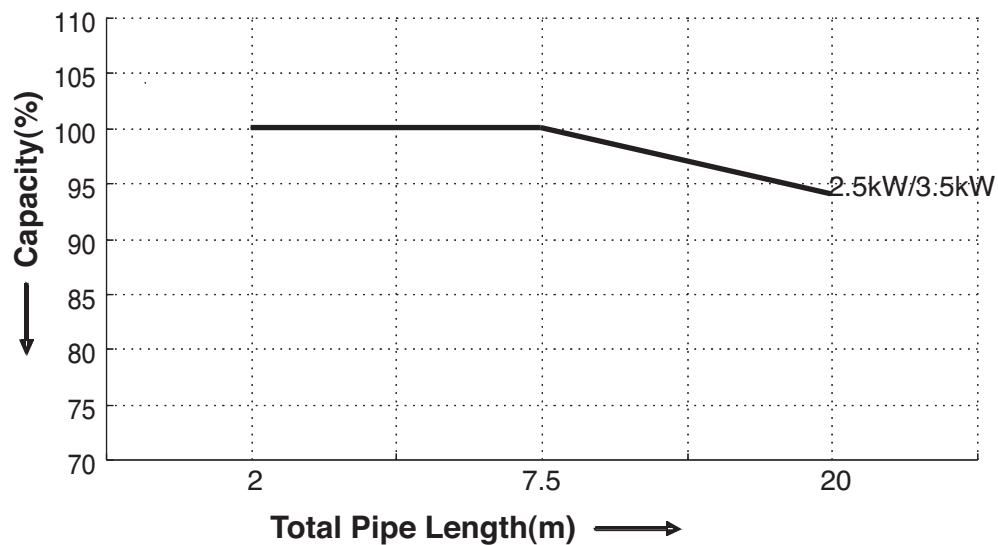


Heating

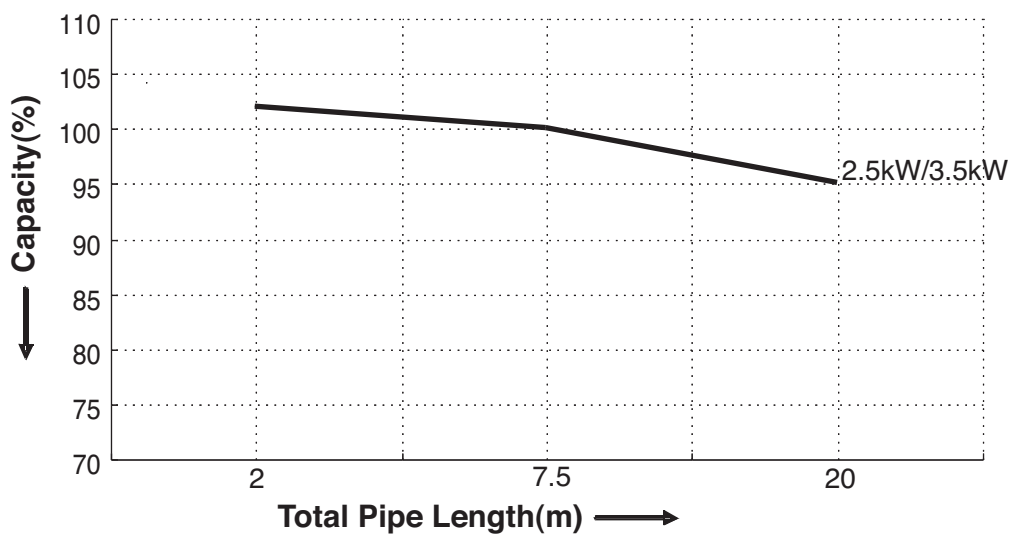


Maestro / Libero / Hyper

Cooling

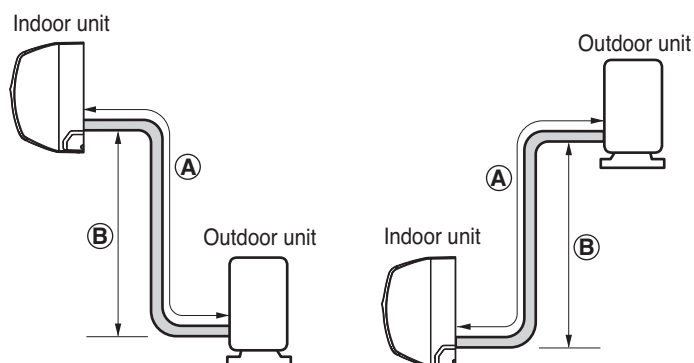


Heating



9. Capacity coefficient factor

Model No.	Max. Pipe Length(m)	Max. Elevation (m)	Additional Refrigerant[g/m(oz/ft)]
AS-W096F1G2	15	7	20(0.22)
AS-W126F1G2	15	7	20(0.22)
AS-W096B4W0	15	7	20(0.22)
AS-W126B4W0	15	7	20(0.22)
AS-W096E*U3	15	7	20(0.22)
AS-W126E*U3	15	7	20(0.22)
AS-W096HDW0	15	7	20(0.22)
AS-W126HDW0	15	7	20(0.22)
AS-W096BMSO	20	10	20(0.22)
AS-W126BMSO	20	10	20(0.22)
AS-W096B*U0	20	10	20(0.22)
AS-W126B*U0	20	10	20(0.22)
AS-W186C*U0	20	15	20(0.22)
AS-W1868*U3	20	15	20(0.22)
AS-W1865DU3	20	15	20(0.22)
AS-W246C*U0	30	15	35(0.37)
AS-W2468*U3	30	15	35(0.37)
AS-W2465DU3	30	15	35(0.37)
AS-W306DGM0	50	30	30(0.32)
AS-W363DGM0	50	30	35(0.37)
AS-W096MMF0	20	10	20(0.22)
AS-W126MMF0	20	10	20(0.22)
AS-W096WSA0	15	7	20(0.22)
AS-W126BSA0	15	7	20(0.22)



CAUTION:

• Capacity is based on standard length and maximum allowance length is on the basis of reliability.

Notes

* Equivalent pipe length = actual pipe length + number of band x 0.3

* Additional Refrigerant Charge

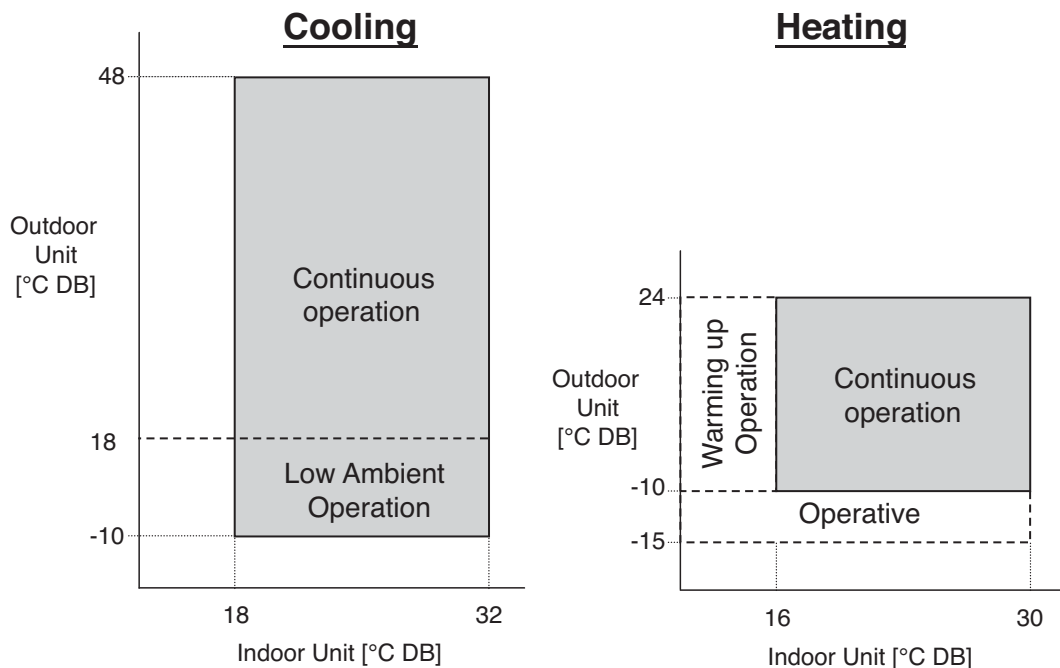
Example: For Model No. AS-W126HDW0 having 15m pipe length, additional refrigerant to be charged is
 $(15-7) \times 20 = 160\text{g}$

* Refer to the specification for the maximum pipe length of each model.

* Maestro & Libero(2.5kW , 3.5kW)

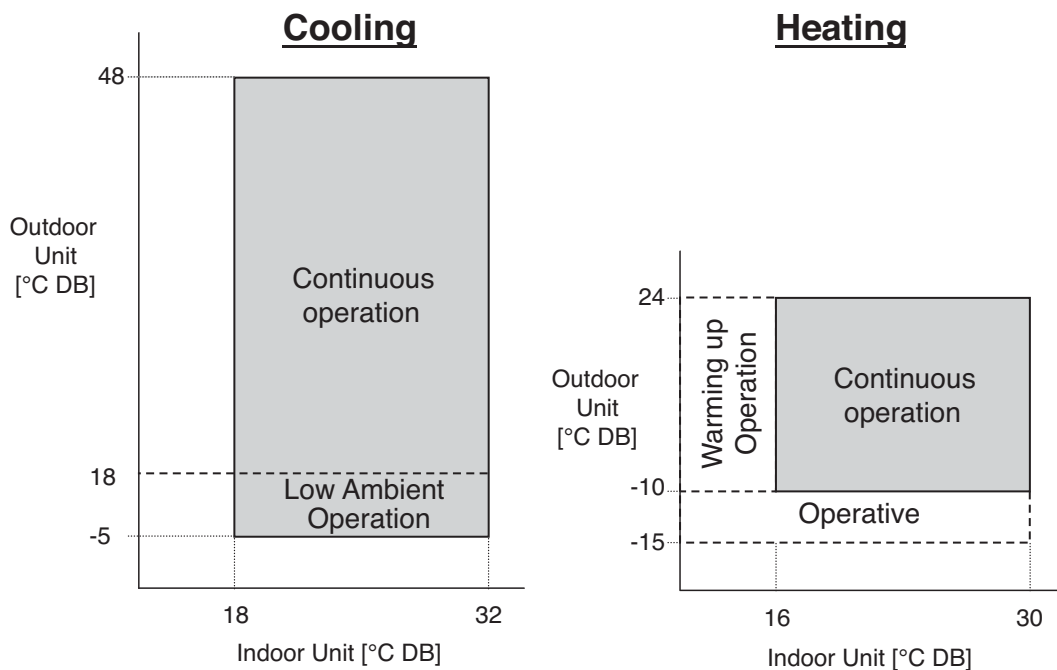
Additional refrigerant must be charged after 12.5 m (there is no need to charge till 12.5 m based on reliability)

10. Operation range



* Operative: Intermittent operation due to the operational conditions (indoor/outdoor temperature, humidity, load etc.) can cause the heating capacity to decrease.

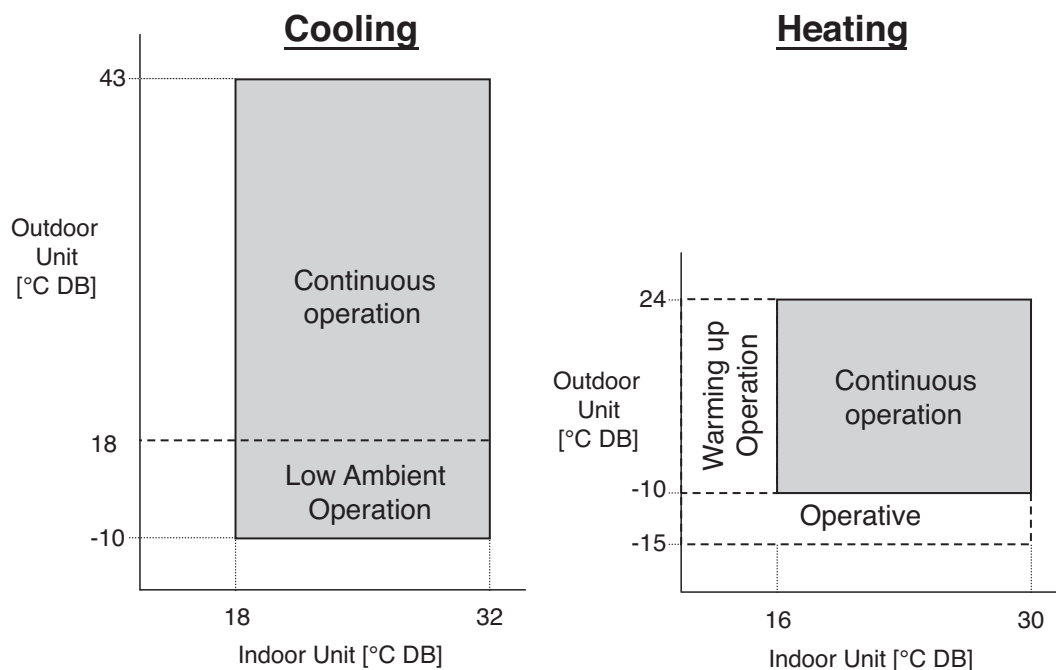
* Applied Model: CS09AQ, CS12AQ, CS18AQ, CS24AQ, S09AQ, S12AQ, S18AQ, S24AQ, CC18AW*, CC24AW*, CA09AW*, CA12AW*, CA18AW*, CA24AW*, S09AF, S12AF, S18AW, S24AW, E18SQ, E24SQ, H09MW, H12MW



* Operative: Intermittent operation due to the operational conditions (indoor/outdoor temperature, humidity, load etc.) can cause the heating capacity to decrease.

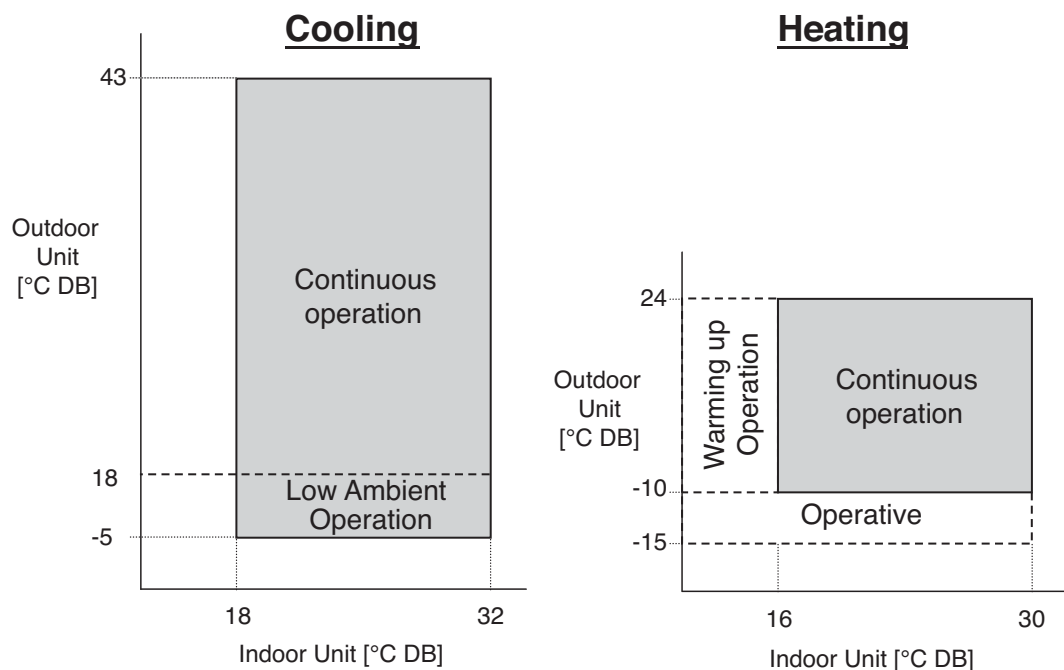
* Applied Model: CC09AW*, CC12AW*, E09SQ, E12SQ

10. Operation range



* Operative: Intermittent operation due to the operational conditions (indoor/outdoor temperature, humidity, load etc.) can cause the heating capacity to decrease.

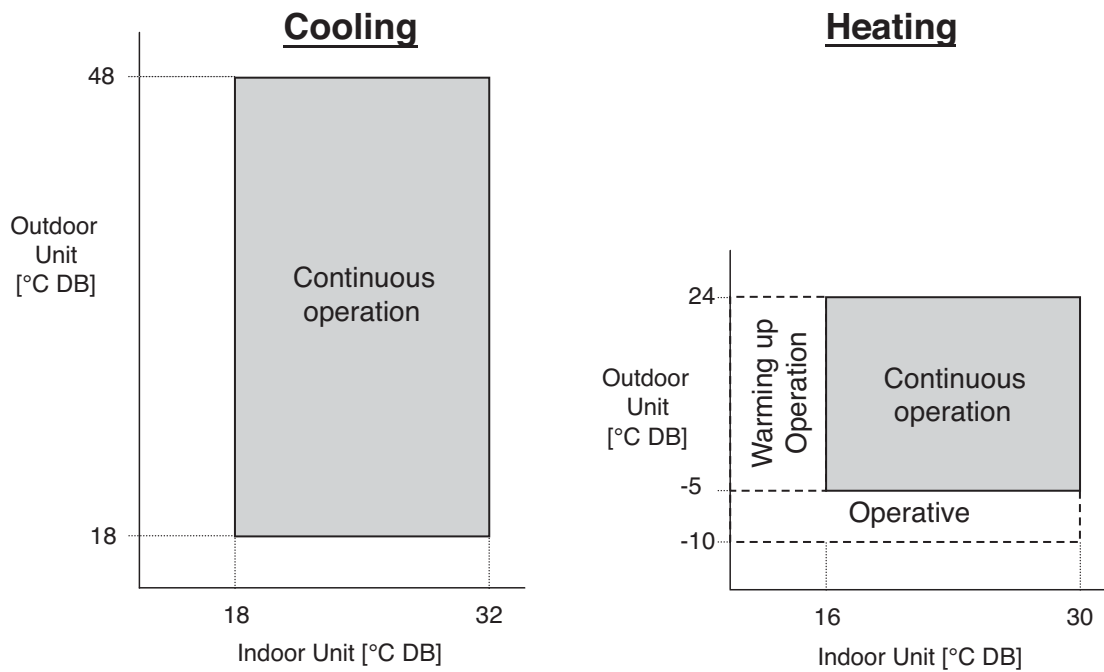
* Applied Model: S36AW



* Operative: Intermittent operation due to the operational conditions (indoor/outdoor temperature, humidity, load etc.) can cause the heating capacity to decrease.

* Applied Model: A09AW*, A12AW*, S30AW

10. Operation range



Operative: Intermittent operation due to the operational conditions (indoor/outdoor temperature, humidity, load etc.) can cause the heating capacity to decrease.

Applied model : S09MH, S12MH

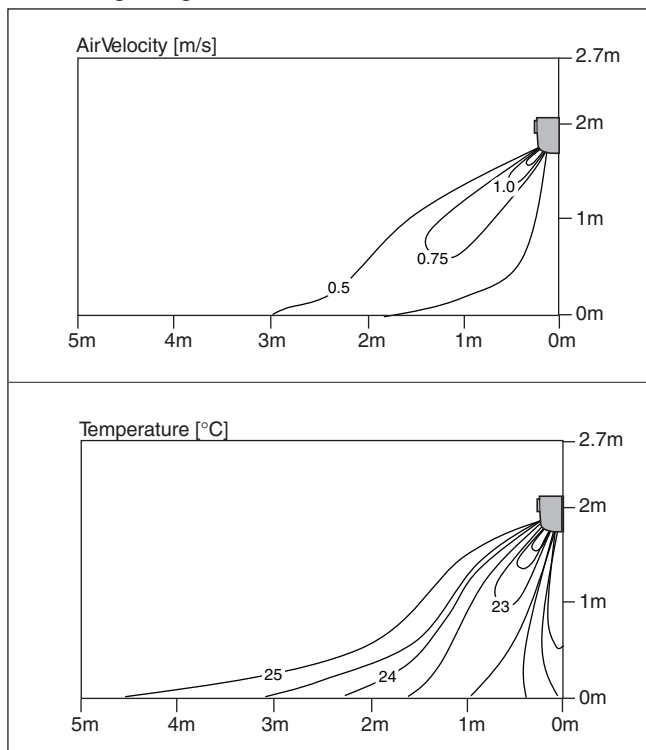
Inverter Single

11. Air flow and temperature distributions(reference data)

Super Inverter Maestro / Libero 2.5 kW

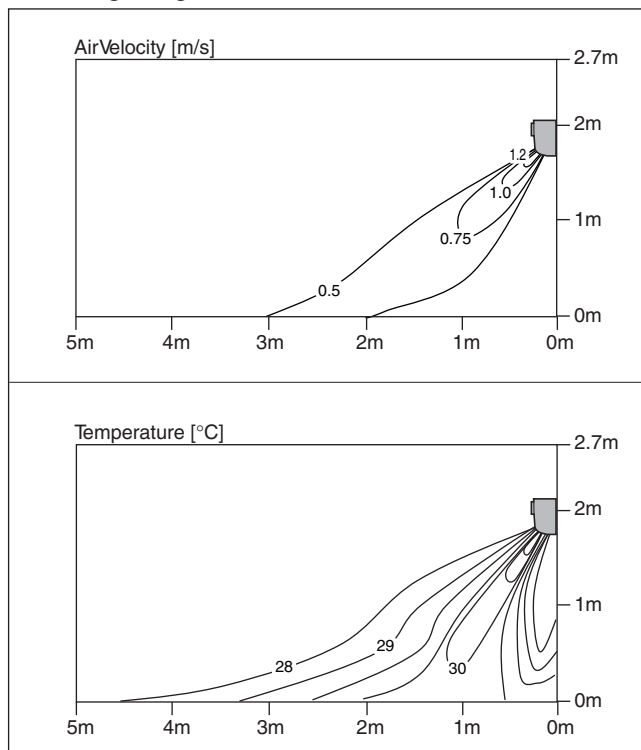
Cooling

Discharge angle:45°



Heating

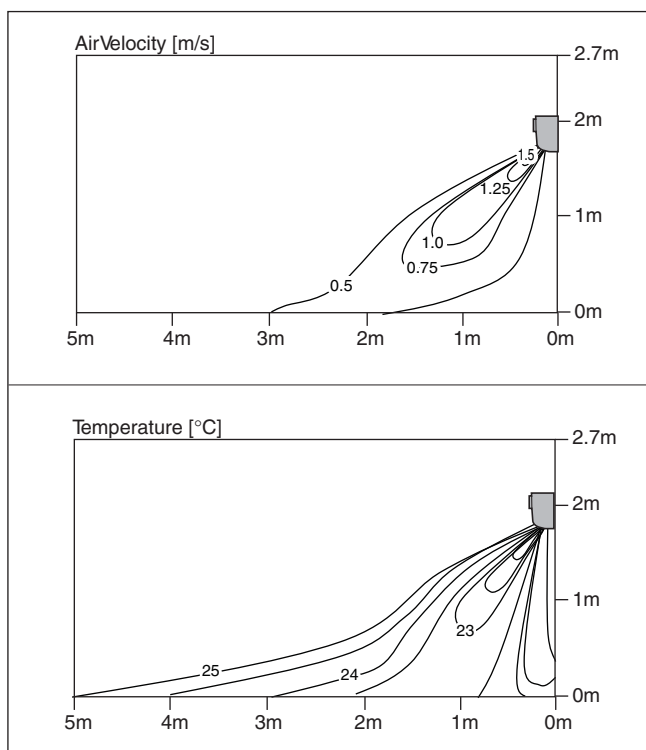
Discharge angle:50°



Super Inverter Maestro / Libero 3.5 kW

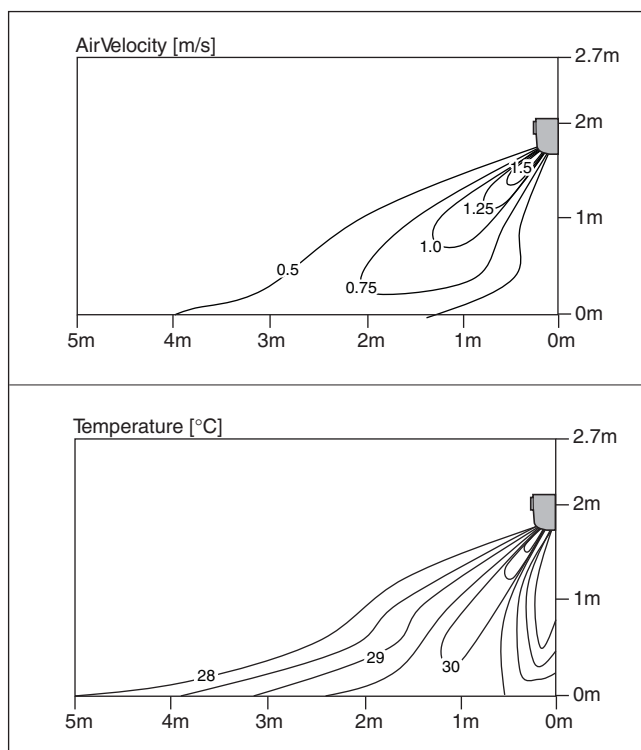
Cooling

Discharge angle:45°



Heating

Discharge angle:50°

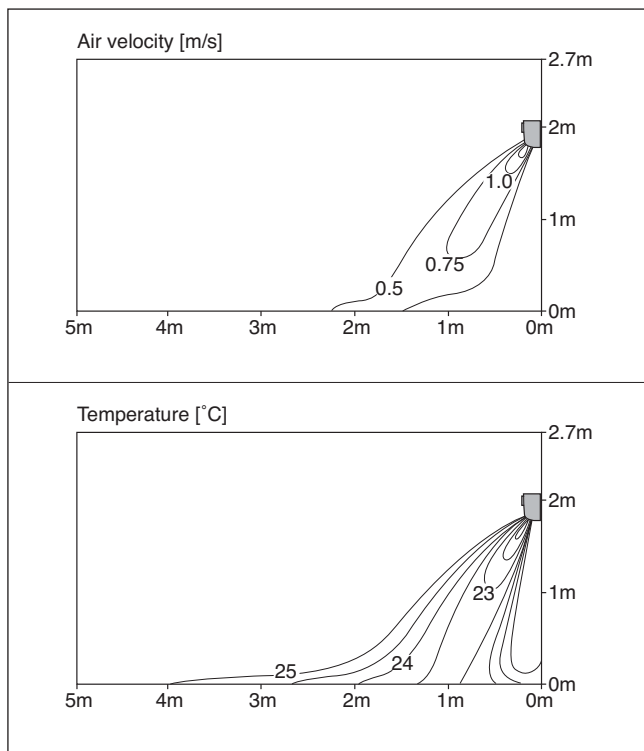


11. Air flow and temperature distributions(reference data)

General Wall Mouted 2.5 kW / Mega 2.5kW

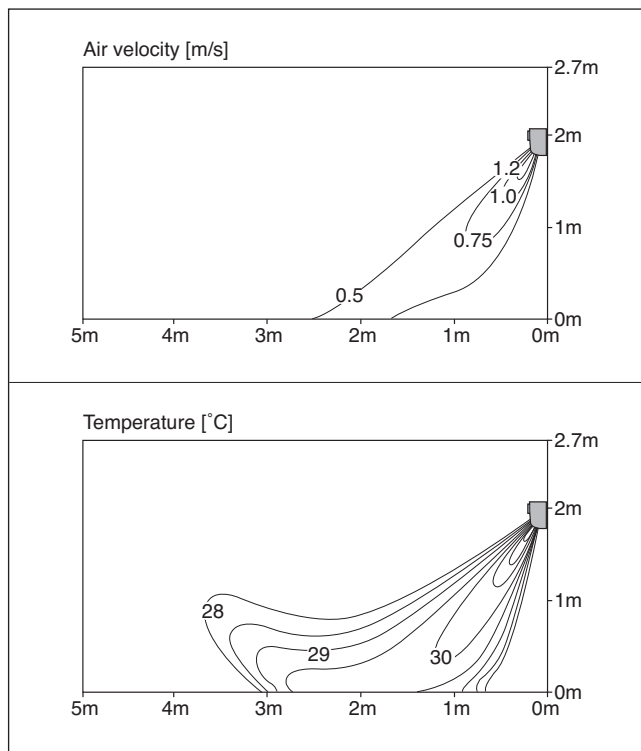
Cooling

Discharge angle:45°



Heating

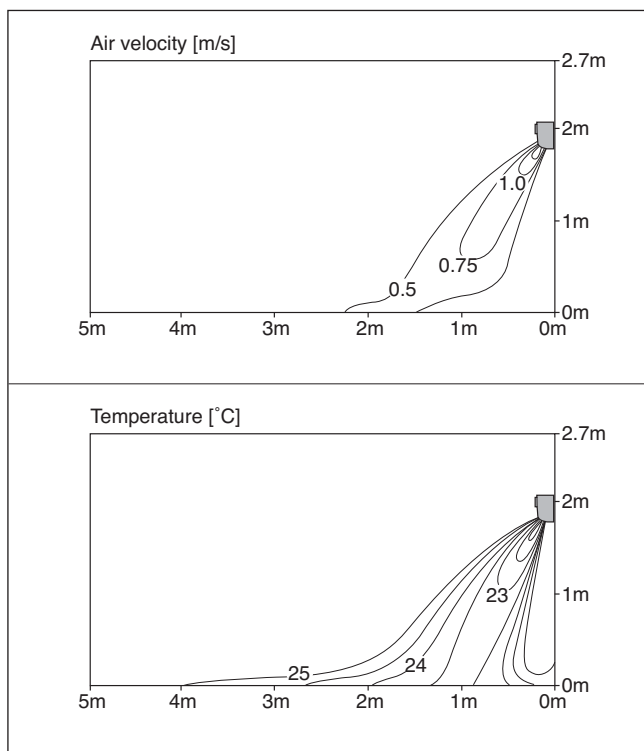
Discharge angle:50°



ART COOL Deluxe 2.5 kW

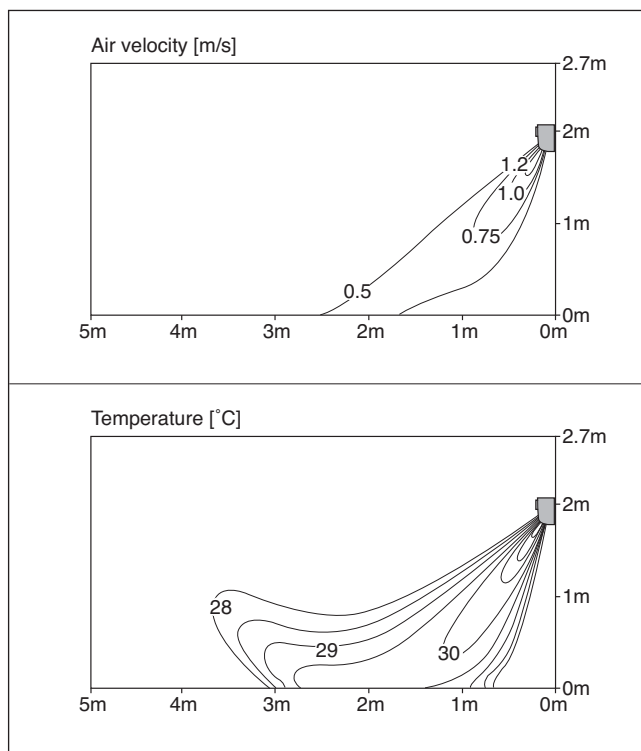
Cooling

Discharge angle:45°



Heating

Discharge angle:50°



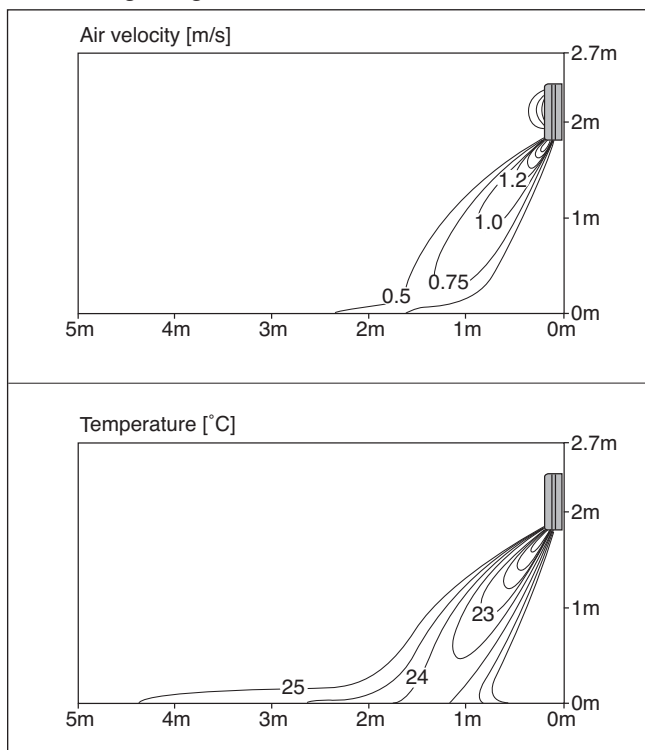
Inverter Single

11. Air flow and temperature distributions(reference data)

ART COOL Deluxe 3.5 kW

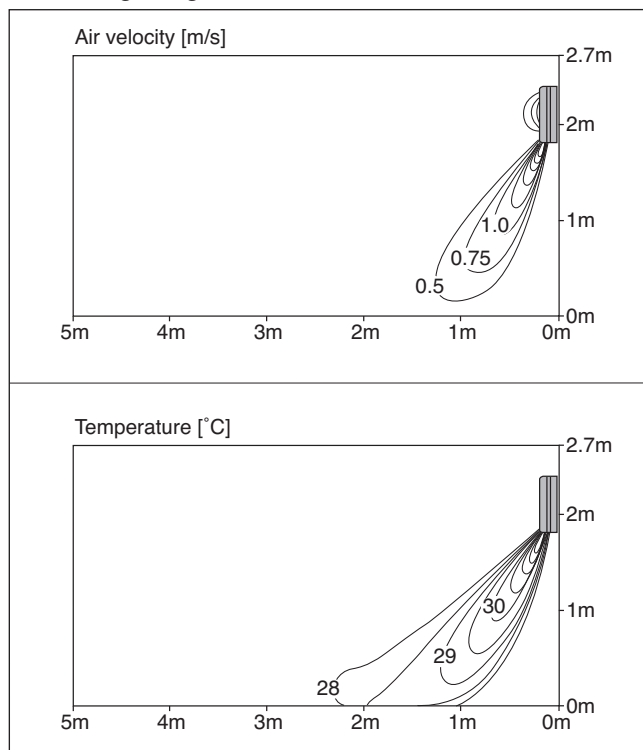
Cooling

Discharge angle:45°



Heating

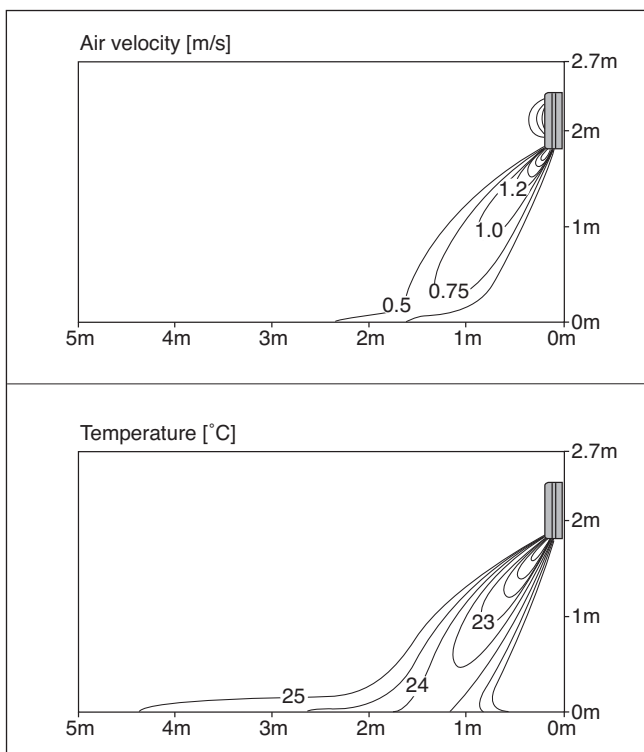
Discharge angle:50°



ART COOL Standard 3.5 kW

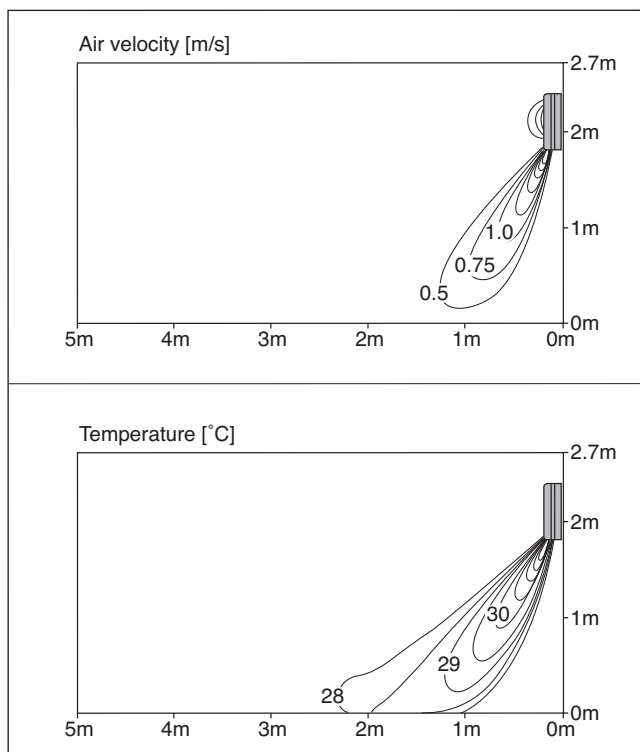
Cooling

Discharge angle:45°



Heating

Discharge angle:45°

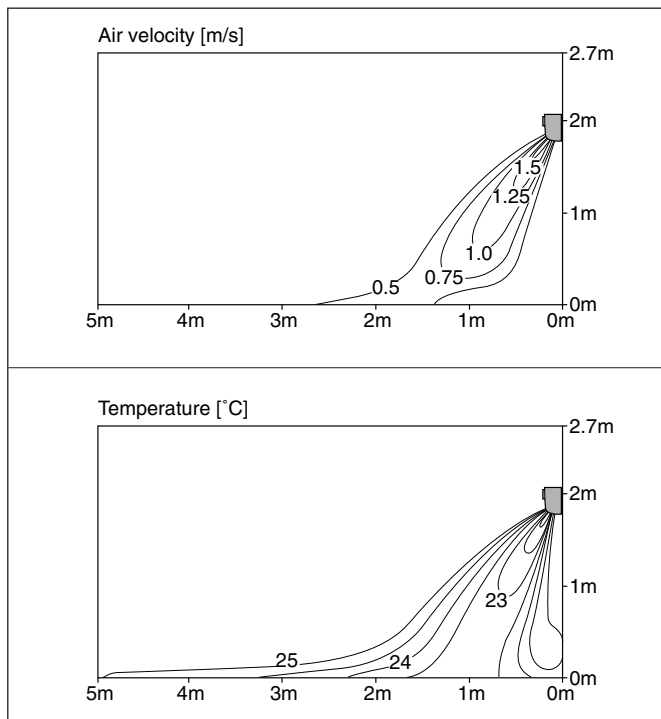


11. Air flow and temperature distributions(reference data)

General Wall Mouted 3.5 kW / Mega 3.5kW

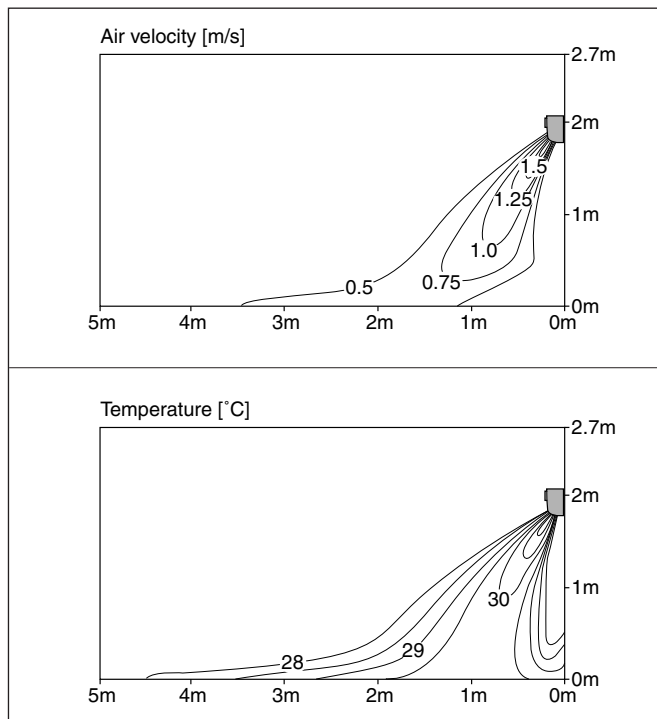
Cooling

Discharge angle:45°



Heating

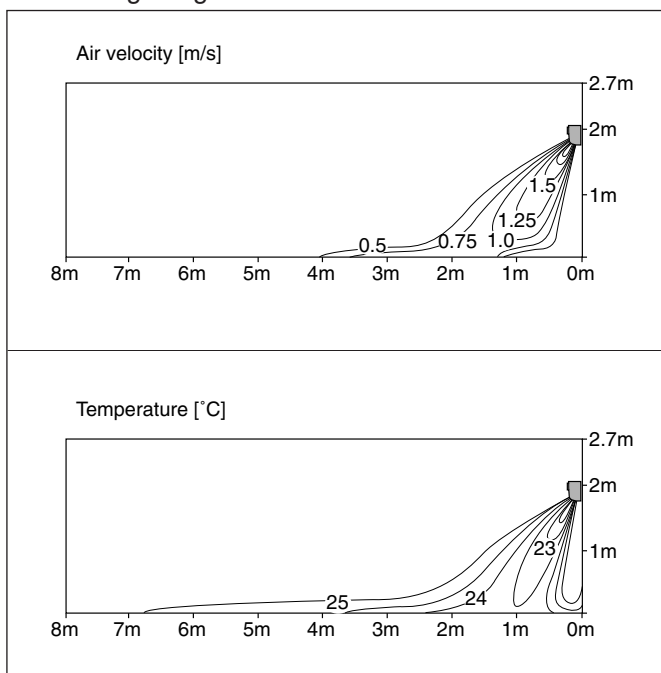
Discharge angle:50°



General Wall Mouted 5.28 kW / Hyper 2.5kW, 3.5kW

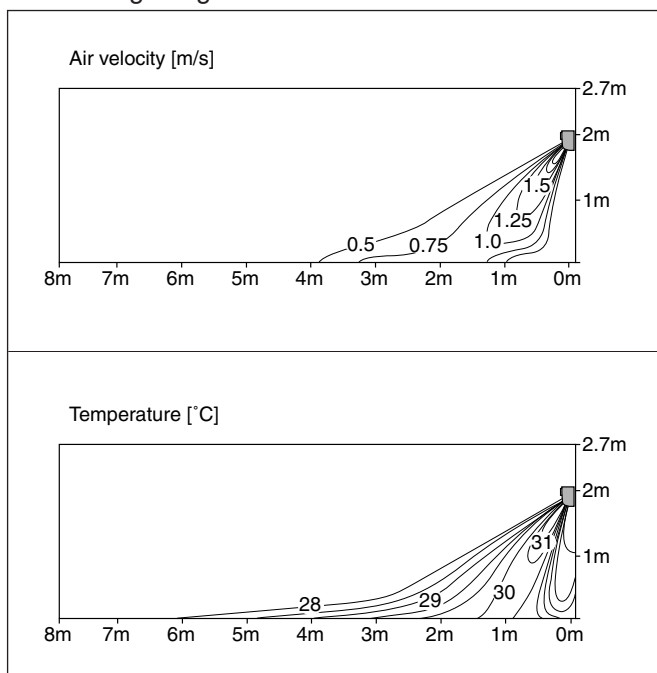
Cooling

Discharge angle:45°



Heating

Discharge angle:50°

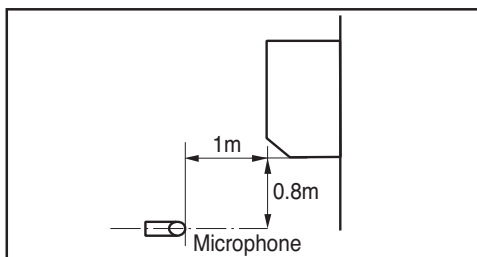


Inverter Single

12. Sound levels

12.1 Indoor Units

Overall



Notes:

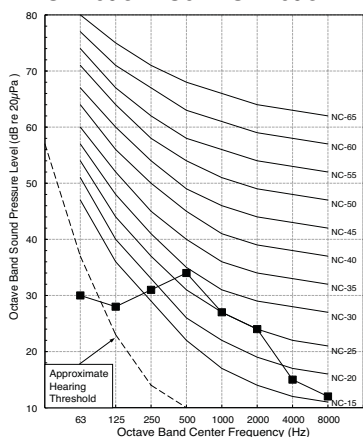
- Sound measured at 1m away from the center of the unit.
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure 0dB=20Pa.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

Model	Sound Levels [dB(A)]		
	H	M	L
ASNW096MMF0	38	33	25
ASNW126MMF0	39	33	25
ASNH09GB1U0	38	33	23
ASNH12GB1U0	39	33	23
ASNH18GC2U0	42	40	35
ASNH24GC2U0	45	40	35
ASNW096BMS0	38	33	23
ASNW126BMS0	39	33	23
ASNH09GE*U3	37	29	25
ASNH12GE*U3	38	29	25
ASNH18G8*U3	42	39	36

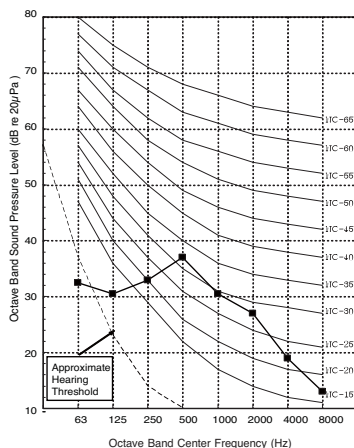
Model	Sound Levels [dB(A)]		
	H	M	L
ASNH24G8*U3	43	40	36
ASNW096F1G2	35	29	25
ASNW126F1G2	39	32	25
ASNW096HDW0	37	33	25
ASNW126HDW0	38	33	25
ASNW1865DU3	39	33	25
ASNW096WSA0	39	33	25
ASNW126BSA0	42	39	36
ASNW2465DU3	43	40	36
ASNW306DGM0	46	43	39
ASNW366DGM0	47	44	41

Sound Pressure Level

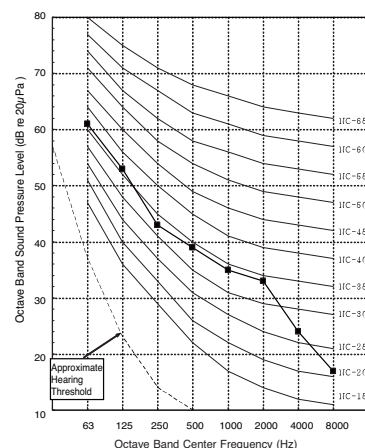
ASNW096BMS0 ASNH09GB*U0
ASNH09GB1U0 ASNH09GB4W0



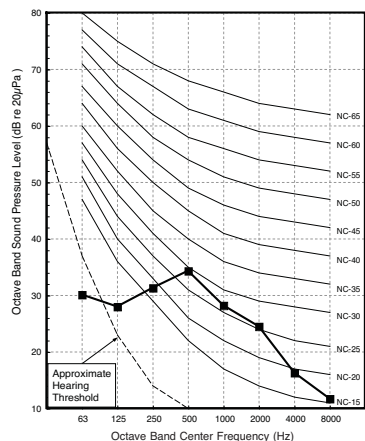
ASNH09GE*U3



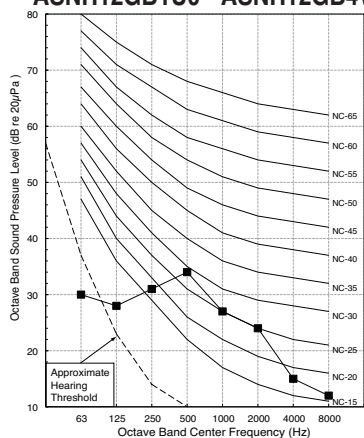
ASNH12GE*U3



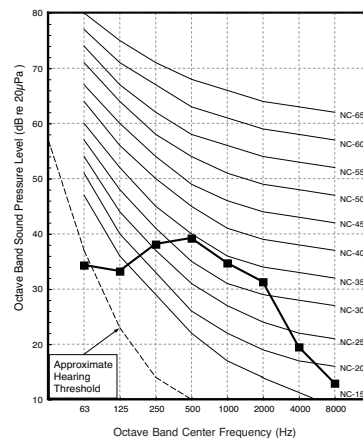
ASNW096F*G2



ASNW126BMS0 ASNH12GB*U0 ASNH12GB1U0 ASNH12GB4W0



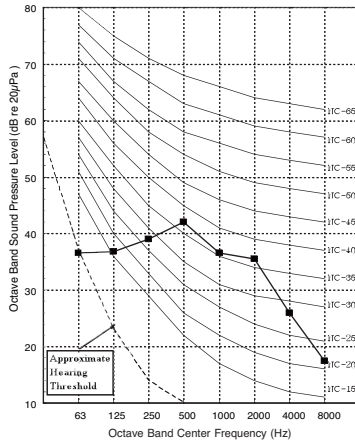
ASNW126F*G2



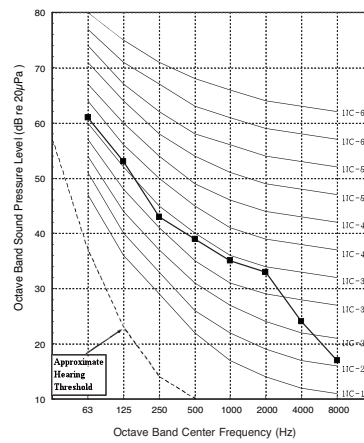
Inverter Single

12. Sound levels

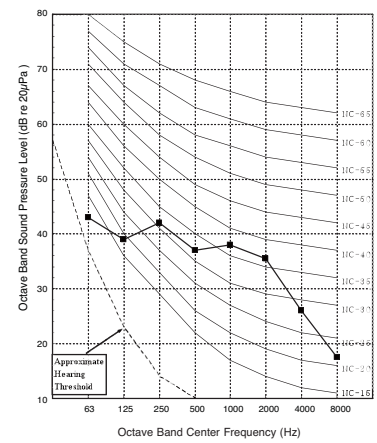
**ASNW1865DU3
ASNH18G8*U3**



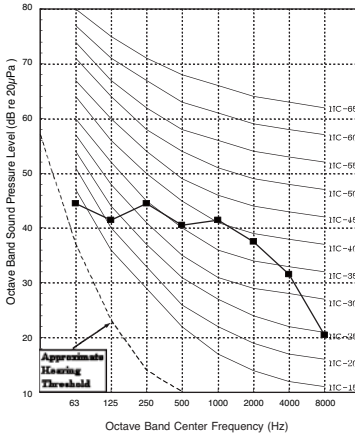
ASNH24G8*U3



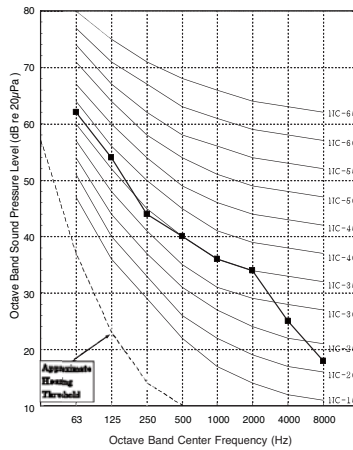
**ASNH18GC2U0 ASNH18GC4W0
ASNH18GC*U0**



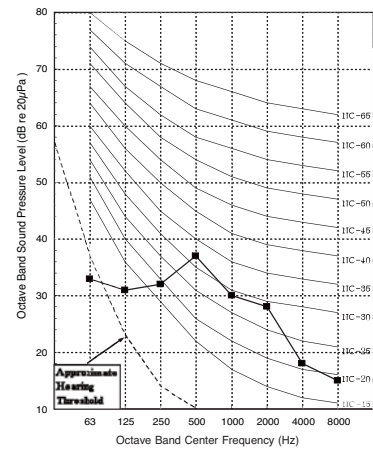
**ASNH24GC2U0 ASNH24GC*U0
ASNH24GC4W0**



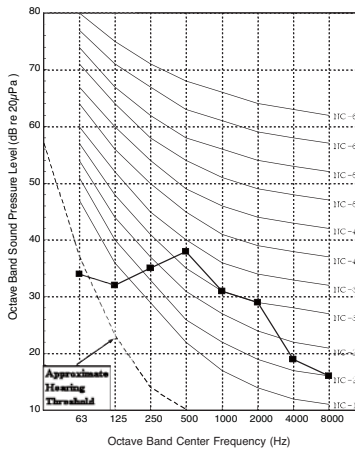
ASNW2465DU3



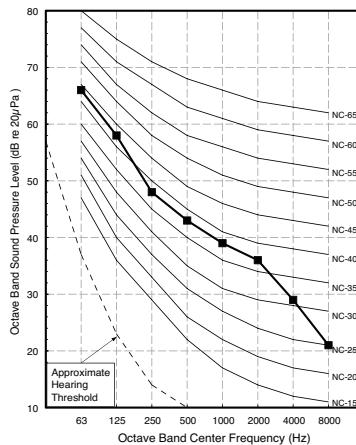
ASNW096HDW0



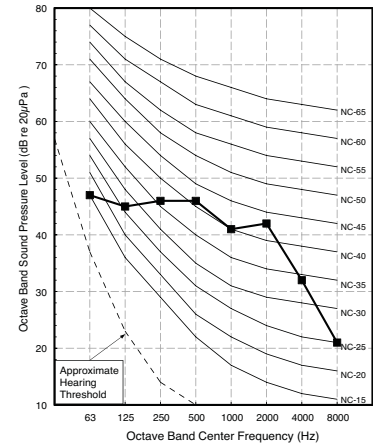
ASNW126HDW0



ASNW306DGM0



ASNW366DGM0

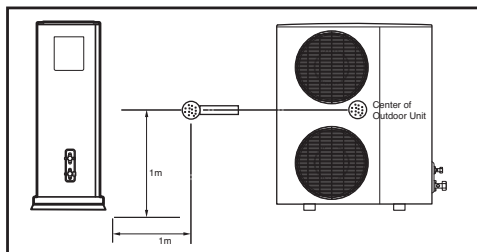


Inverter Single

12. Sound levels

12.2 Outdoor Units

Overall



Notes:

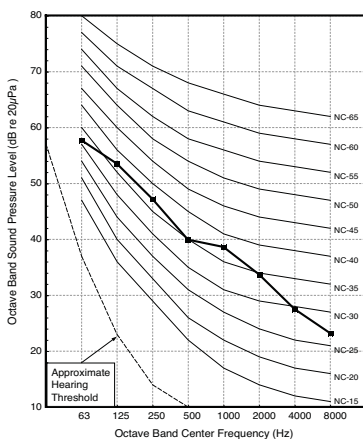
- Sound measured at 1m away from the center of the unit.
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure 0dB=20Pa.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

Model	Sound Levels [dB(A)]
	H
ASUW096MMF0	38
ASUW126MMF0	39
ASUW096BUS0	42
ASUW126BUS0	45
ASUW186C2U0	38
ASUW246C2U0	39
ASUW096EUU3	37
ASUW126EUU3	38
ASUW1868UU3	45
ASUW2468UU3	45

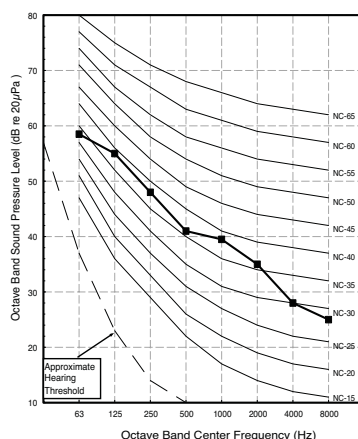
Model	Sound Levels [dB(A)]
	H
ASUW096FUG2	43
ASUW126FUG2	35
ASUW096HDW0	39
ASUW126HDW0	37
ASNW096WSA0	47
ASNW126BSA0	47
ASUW1865UU3	38
ASUW2465UU3	42
ASNW306DGM0	54
ASNW366DGM0	58

Sound Pressure Level

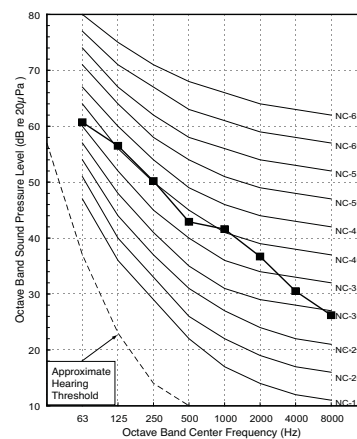
ASUW096BUS0



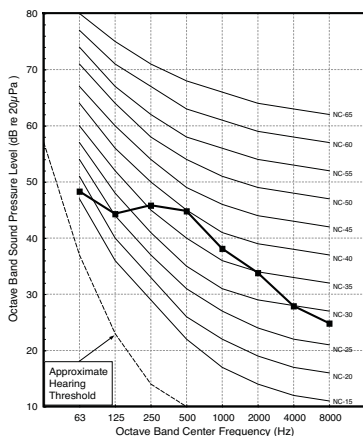
ASUW096EUU3



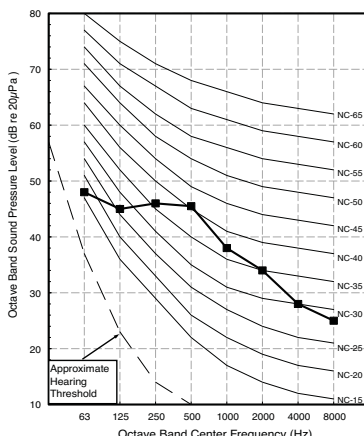
ASUW096FUG2



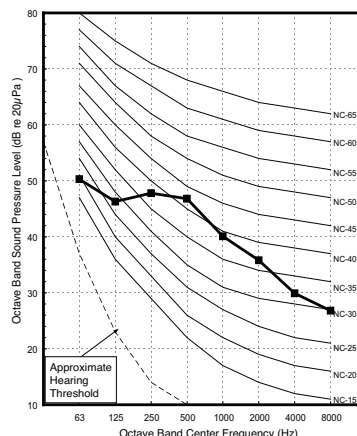
ASUW126BUS0



ASUW126EUU3

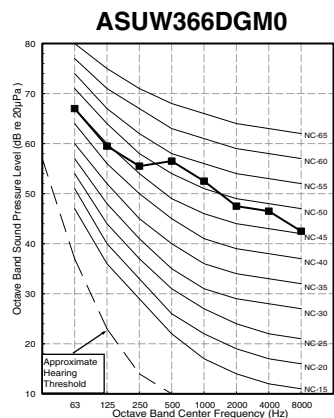
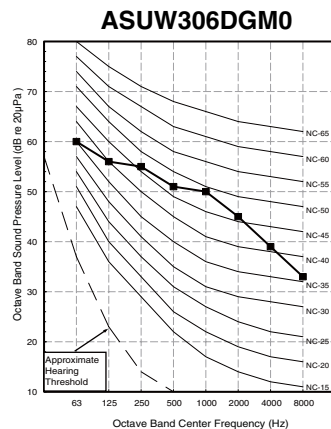
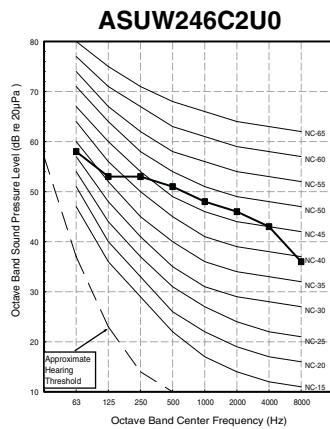
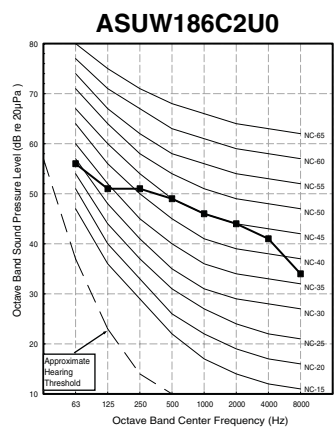
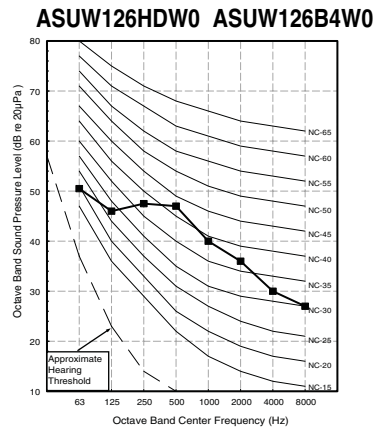
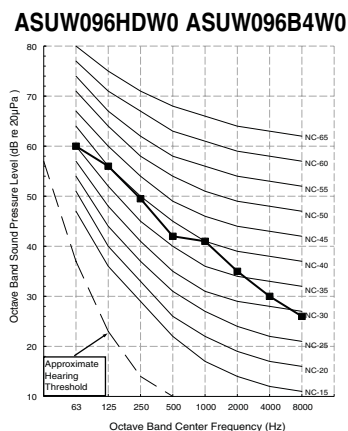
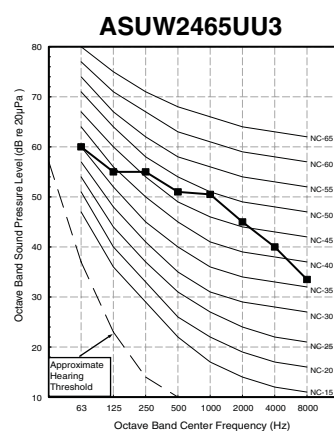
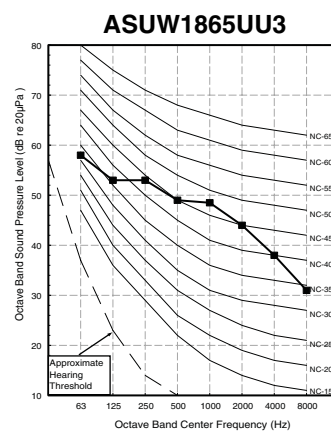
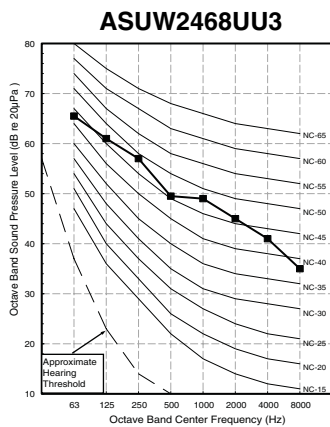
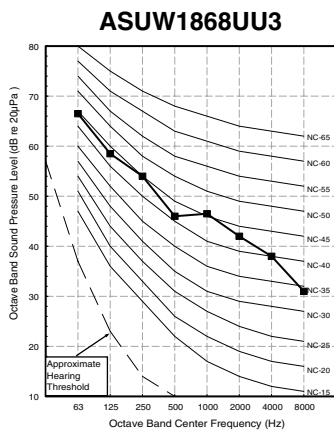


ASUW126FUG2



Inverter Single

12. Sound levels

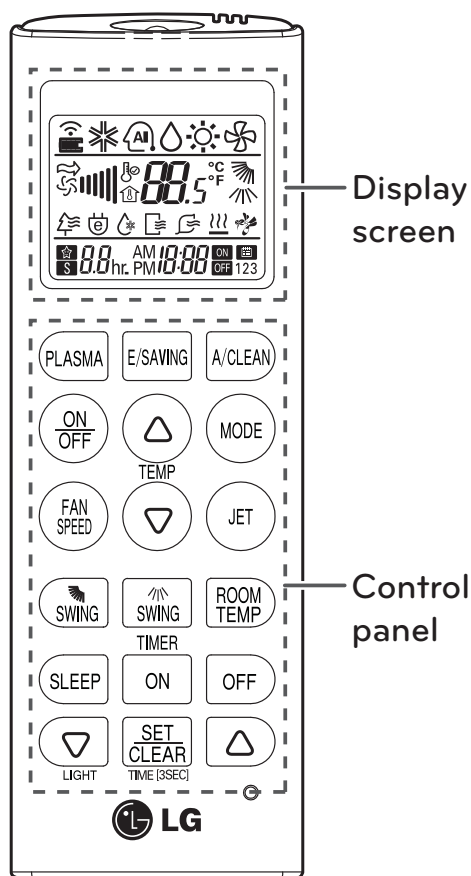


Inverter Single

13. Remote controller

Wireless remote control

You can operate the air conditioner more conveniently with the remote control. You will find the buttons for the additional functions under the cover of the remote control.



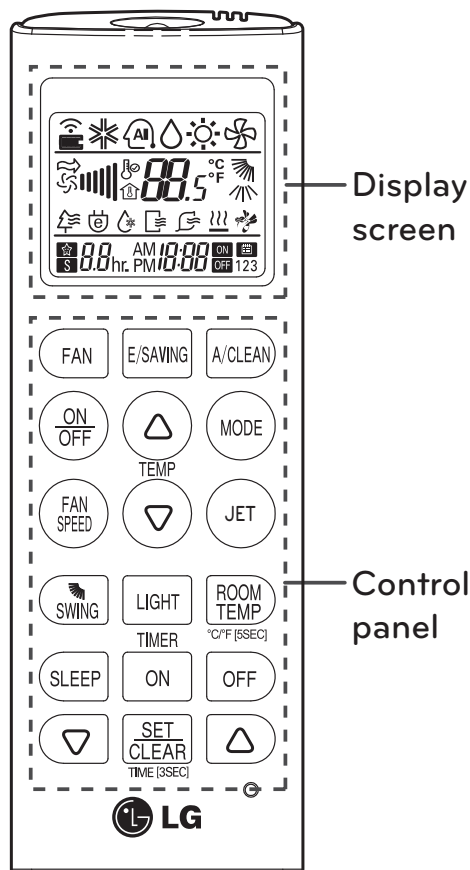
Control panel	Display screen	Description
		Plasma button*: Purifies the air by removing particles that enter the indoor unit.
		Sleep mode auto button*: Sets the sleep mode auto operation.
		Temperature adjustment buttons: Adjusts the room temperature when cooling and heating.
	-	On/Off button: Turns the power on/off.
		Indoor fan speed button: Adjusts the fan speed.
		Operation mode selection button*: Selects the operation mode. Cooling operation (❄️) / Auto operation or auto changeover (⌚) / Dehumidifying operation (💧) / Heating operation (🔥) / Air circulation (🌀)
		Jet cooling/heating button*: Warms up or cools down the indoor temperature within a short period of time.
		Air flow direction button: Adjusts the air flow direction vertically or horizontally.
		Temperature display button: Displays the room temperature.
		Timer button: Sets the current time and the start / end time.
		Navigation and functions button*: Adjusts the time and sets the special functions. ❄️: Auto clean / ⌚: Operates energy saving cooling / 🌞: Adjusts the brightness of the indoor unit display
	-	Set/clear button: Sets or cancels functions.
	-	Reset button: Resets the air conditioner settings.

* Some functions may not be supported, depending on the model.

13. Remote controller

Wireless remote control

You can operate the air conditioner more conveniently with the remote control. You will find the buttons for the additional functions under the cover of the remote control.



Control panel	Display screen	Description
FAN		Fan button : Air come out from the indoor unit below to the room without air temperature change.
SLEEP	1hr	Sleep mode auto button* : Sets the sleep mode auto operation.
TEMP	88 °C	Temperature adjustment buttons : Adjusts the room temperature when cooling and heating.
ON/OFF	-	On/Off button : Turns the power on/off.
FAN SPEED		Indoor fan speed button : Adjusts the fan speed.
MODE		Operation mode selection button* : Selects the operation mode. Cooling operation (*) / Auto operation or auto changeover (A) / Dehumidifying operation (D) / Heating operation (H)
JET	P ₀	Jet cooling/heating button* : Warms up or cools down the indoor temperature within a short period of time.
SWING		Air flow direction button : Adjusts the air flow direction vertically.
ROOM TEMP		Temperature display button : Displays the room temperature. Press for 5 sec, conversion °C / °F
ON OFF	AM 12:00	Timer button : Sets the current time and the start / end time.
A/CLEAN E/SAVING		Navigation and functions button* : Adjusts the time and sets the special functions. : Auto clean / : Operates energy saving cooling
SET CLEAR	-	Set/clear button : Sets or cancels functions.
O	-	Reset button : Resets the remote control settings.
LIGHT		LIGHT button : Adjusts the brightness of the indoor unit display.

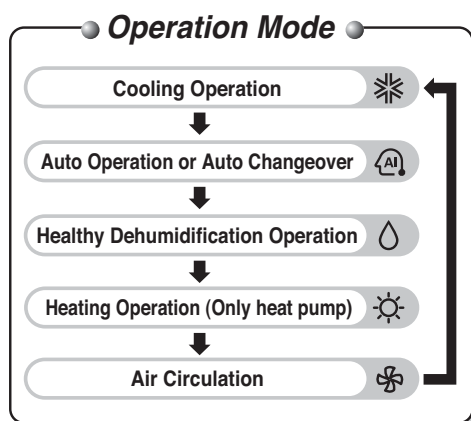
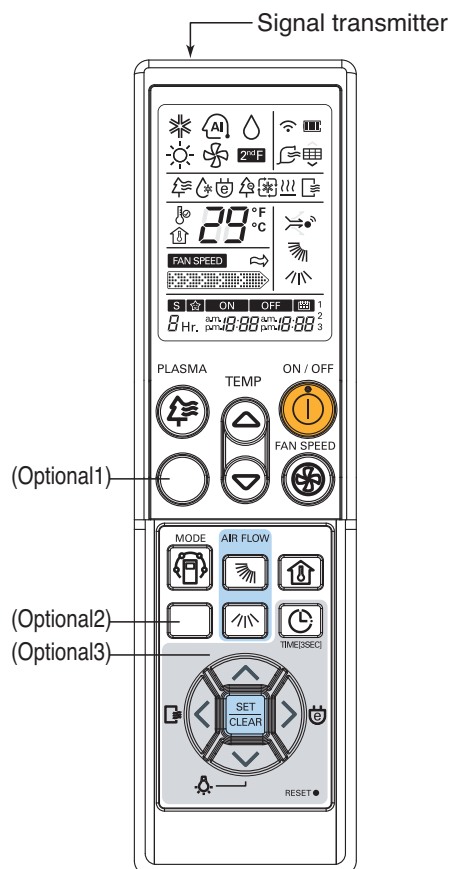
* Some functions may not be supported, depending on the model.

Inverter Single

13. Remote controller

Wireless Remote Controller

The controls will look like the following.

**ON/OFF BUTTON**

Used to turn off/on the unit.

**OPERATION MODE SELECTION BUTTON****Wireless remote control**

TEMP

**ROOM TEMPERATURE SETTING BUTTONS**

Used to select the room temperature.

FAN SPEED

**INDOOR FAN SPEED SELECTION BUTTON**

Used to select fan speed in six steps low, medium-low, medium, medium-high, high and natural wind.

**HORIZONTAL VANE CONTROL BUTTON**

Used to set the desired vertical airflow direction.

**VERTICAL LOUVER CONTROL BUTTON(Optional)**

Used to set the desired horizontal airflow direction.

**AUTO CLEAN BUTTON**

Used to set auto clean.

**ENERGY SAVING COOLING BUTTON**

Used to save Energy.

**ROOM TEMPERATURE CHECKING BUTTON**

Used to check the room temperature.

**TIMER BUTTON(before adjusting)**

Used to set the current time and the time of starting / stopping.

**TIME ADJUSTING BUTTONS**

Used to adjust the time.

**TIMER SET/CLEAR BUTTON(after adjusting)**

Used to set and to cancel the timer operation.

RESET

RESET BUTTON

Used prior to resetting time.

PLASMA

**PLASMA BUTTON(Optional)**

Used to start or stop the plasma-purification.

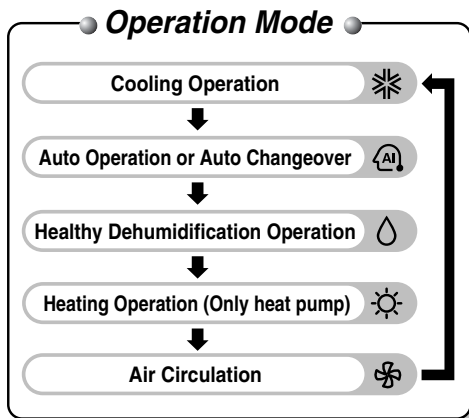
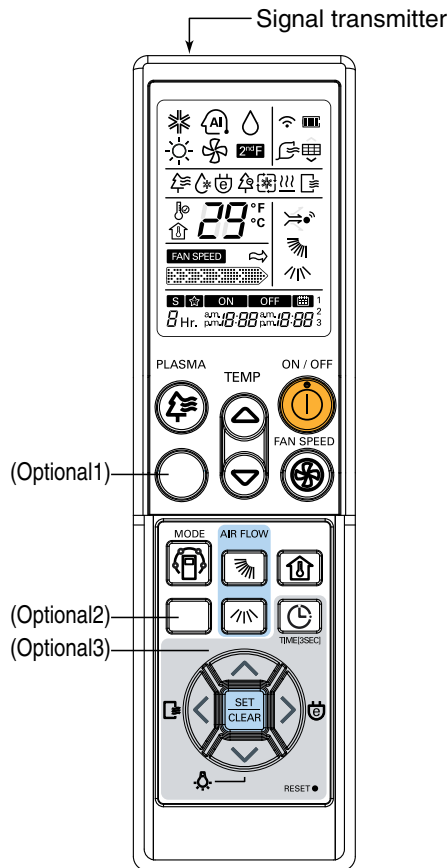
**LED LUMINOSITY BUTTON(Optional)**

Used to adjust LED luminosity.

Inverter Single

13. Remote controller

The controls will look like the following.



★ Premium type :

- Optional1



ECO EYE BUTTON

Used to set and to cancel the timer operation.

- Optional2



JET COOL / MOISTURE COOLING BUTTON

Used to start or stop the speed cooling and Moisture Cooling. The Jet Cool operates fan in super high speed in cooling mode.

- Optional3



SLEEP MODE AUTO BUTTON

Used to set sleep mode auto operation.

★ Rational type :

- Optional1



SLEEP MODE AUTO BUTTON

Used to set sleep mode auto operation.

- Optional2



JET COOL BUTTON

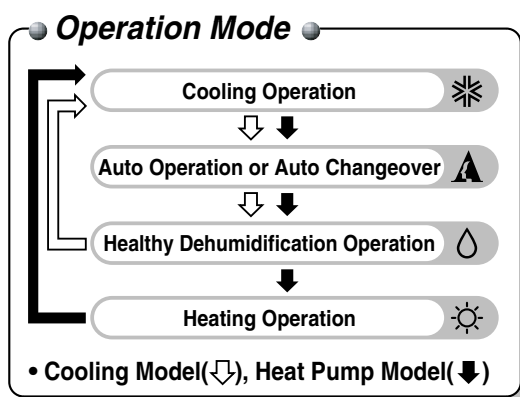
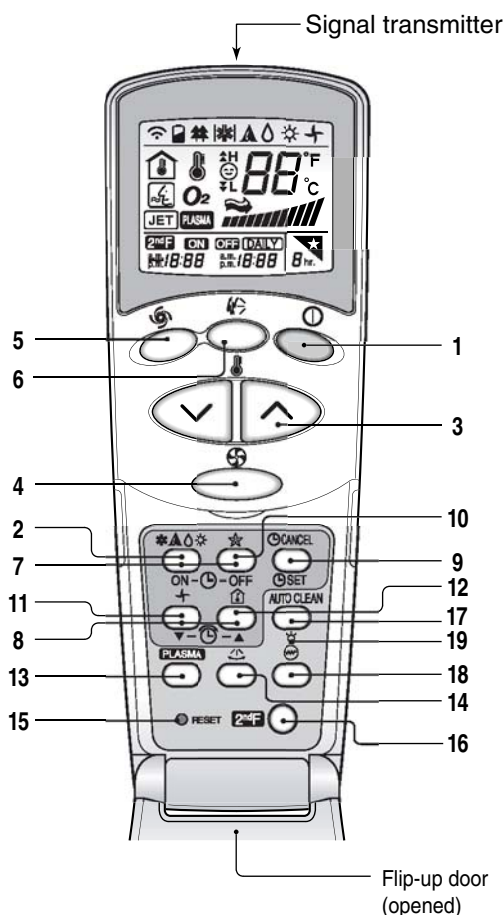
Used to start or stop the speed cooling. The Jet Cool operates fan in super high speed in cooling mode.

Inverter Single

13. Remote controller

Wireless Remote Controller

The controls will look like the following.

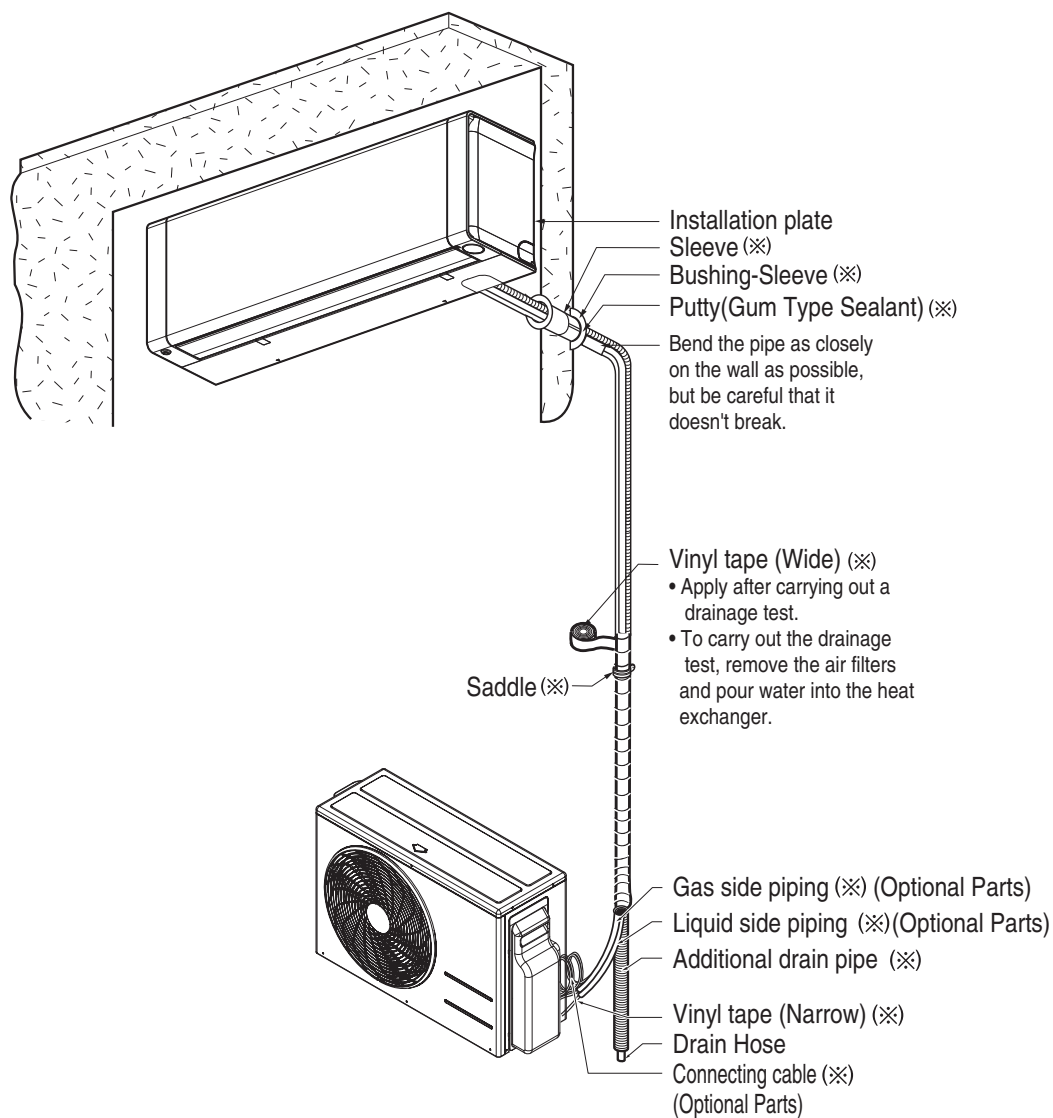


NOTE

To use the functions printed in blue at the bottom of the buttons press 2nd F button first and then the required function button. Pressing the 2nd F button activates the blue printed function of the respective button. To cancel the function press the 2nd F button again else it will automatically cancel if remains idle after 10 seconds.

- 1. START/STOP BUTTON**
Used to turn off/on the unit.
- 2. OPERATION MODE SELECTION BUTTON**
Used to select the operation mode.
- 3. ROOM TEMPERATURE SETTING BUTTONS**
Used to select the room temperature.
- 4. INDOOR FAN SPEED SELECTOR BUTTON**
Used to select fan speed in four steps low, medium, high and CHAOS.
- 5. JET COOL BUTTON**
Used to start or stop the speed cooling.
(It operates fan in super high speed in cooling mode)
- 6. CHAOS SWING BUTTON**
Used to stop or start louver movement and set the desired up/down airflow direction.
- 7. ON/OFF TIMER BUTTONS**
Used to set the time of starting and stopping operation.
- 8. TIME SETTING BUTTONS**
Used to adjust the time.
- 9. TIMER SET/CANCEL BUTTON**
Used to set and to cancel the timer operation.
- 10. SLEEP MODE AUTO BUTTON**
Used to set sleep mode auto operation.
- 11. AIR CIRCULATION BUTTON(OPTIONAL)**
Used to circulate the room air without cooling or heating.
- ENERGY-SAVING COOLING MODE BUTTON (OPTIONAL) For inverter type models**
- 12. ROOM TEMPERATURE CHECKING BUTTON**
Used to check the room temperature.
- 13. PLASMA BUTTON(OPTIONAL)**
Used to start or stop the plasma-purification function.
- 14. HORIZONTAL AIRFLOW DIRECTION CONTROL BUTTON (OPTIONAL)**
Used to set the desired horizontal airflow direction.
- 15. RESET BUTTON**
Used prior to resetting time.
- 16. 2nd F BUTTON**
Used prior to using modes printed in blue at the bottom of buttons.
- 17. AUTO CLEAN BUTTON(OPTIONAL)**
Used to set auto clean mode.
In some models this button has a 2nd function of LED luminosity control.
- 18. HEATER BUTTON(OPTIONAL)**
(Not available in all models)
- 19. LCD LUMINOSITY BUTTON(OPTIONAL)**
Used to adjust LCD luminosity.

Installation Map



- The feature can be changed according a type of model.

NOTICE

(※) You should purchase the installation parts.

Inverter Single

14. Installation

Wired Remote Controller

PQRCVSL0 / PQRCVSL0QW

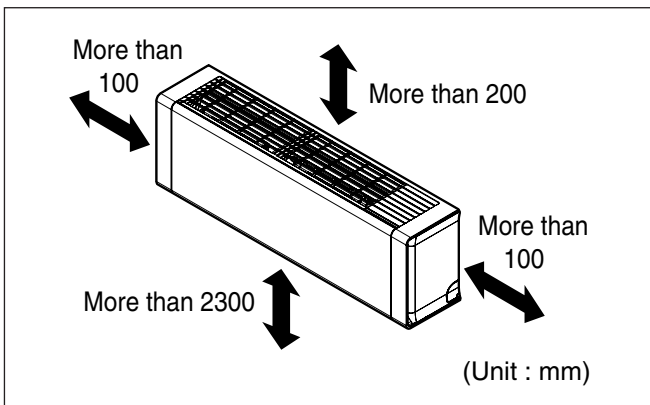
Appearance		Functions (Button Descriptions)	
No.	Name	Function	
1	Operation indication screen	- Display the operating condition.	
2	Set temperature button	- Used to set the temperature when required.	
3	Fan speed button	- Used to set the desired fan speed	
4	On/Off button	- Operation starts when this button is pressed, and stops when the button is pressed again.	
5	Operation mode selection button	- Used to select the operation mode.	
6	Wireless remote controller Receiver	- Some products do not receive wireless remote controller signal.	
7	Air flow button	- Used to set the direction of wind	
8	Sub-Function button	- Used to select the additional operation mode. * Air cleaner, Heater, Humidifier, Auto fan	
9	Function setting button	- Used to set the function and into the installer setting mode. * Function : Wind angle, Child lock, Elevator grill	
10	Ventilation butto	- Ventilator control function can only be set for the product with the ventilation function.	
11	Reservation Time setting button	- Used to set the Time and Program. * Program : simple, Sleep, ON/OFF, Weekly, Holiday	
12	Up,Down,Left,Right button	- Right button used to Room temperature function.	
13	Setting/Cancel button	-	
14	Exit button	-	

※ PQRCVSL0 : Black Color
PQRCVSL0QW : White Color

Select the best Location

Indoor unit

1. Do not have any heat or steam near the unit.
2. Select a place where there are no obstacles in front of the unit.
3. Make sure that condensation drainage can be conveniently routed away.
4. Do not install near a doorway.
5. Ensure that the interval between a wall and the left (or right) of the unit is more than 100mm. The unit should be installed as high as possible on the wall, allowing a minimum of 200mm from ceiling.
6. Use a metal detector to locate studs to prevent unnecessary damage to the wall.

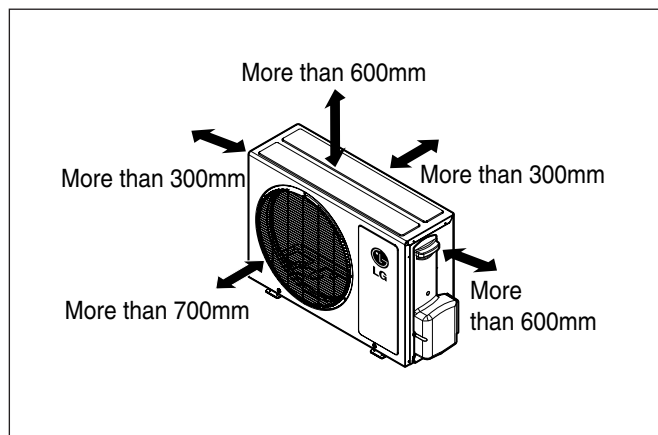


⚠ CAUTION

Install the indoor unit on the wall where the height from the floor is more than 2.3 meters.

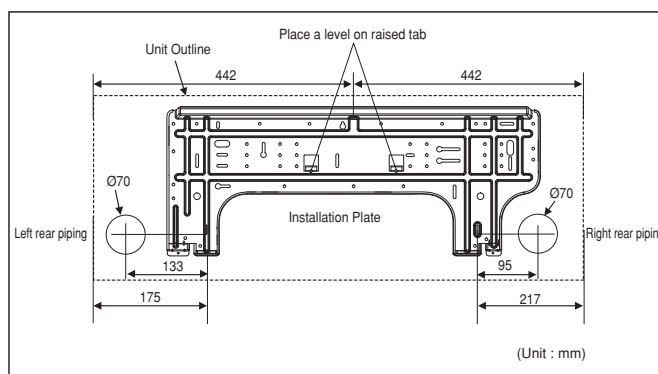
Outdoor unit

1. If an awning is built over the unit to prevent direct sunlight or rain exposure, make sure that heat radiation from the condenser is not restricted.
2. Ensure that the space around the back and sides is more than 300mm. The front of the unit should have more than 700mm of space.
3. Do not place animals and plants in the path of the warm air.
4. Take the weight of the air conditioner into account and select a place where noise and vibration are minimum.
5. Select a place where the warm air and noise from the air conditioner do not disturb neighbors.



Fixing Installation Plate

1. Mount the installation plate on the wall with type "A" screws. If mounting the unit on a concrete wall, use anchor bolts.
- Mount the installation plate horizontally by aligning the centerline using Horizontal meter.



Drill a Hole in the Wall

-

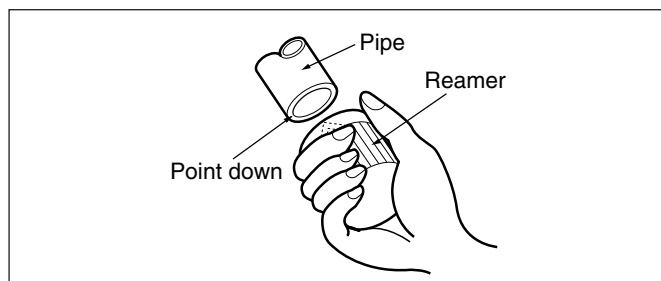
Cut the pipes and the cable.

-

14. Installation

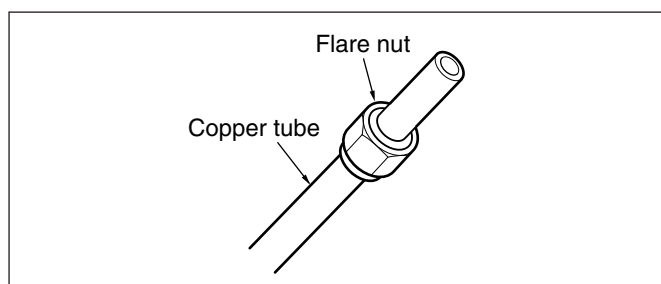
Burrs removal

1. Completely remove all burrs from the cut cross section of pipe/tube.
2. While removing burrs put the end of the copper tube/pipe in a downward direction while removing burrs location is also changed in order to avoid dropping burrs into the tubing.



Putting nut on

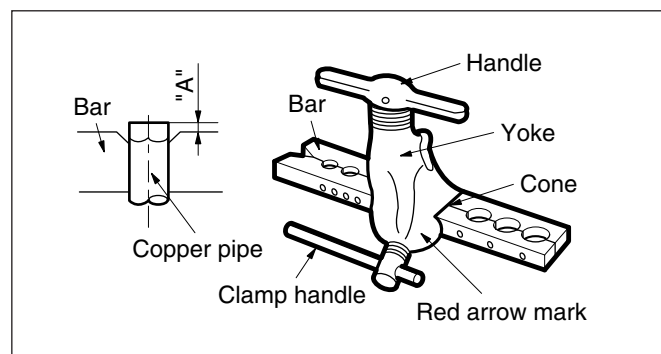
- Remove flare nuts attached to indoor and outdoor unit, then put them on pipe/tube having completed burr removal.
(Not possible to put them on after finishing flare work.)



Flaring work

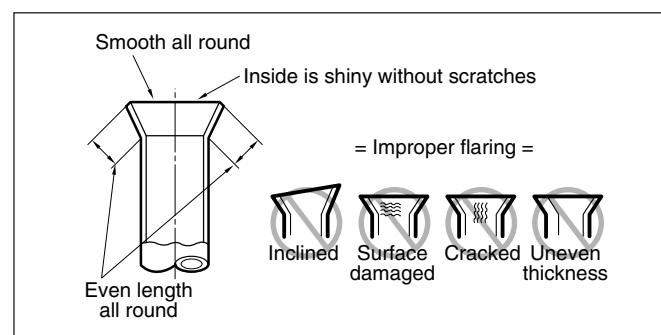
1. Firmly hold copper pipe in a bar in the dimension shown in the table below.
2. Carry out flaring work with the flaring tool.

Outside diameter		A
mm	inch	mm
Ø6.35	1/4	1.1~1.3
Ø9.52	3/8	1.5~1.7
Ø12.7	1/2	1.6~1.8
Ø15.88	5/8	1.6~1.8
Ø19.05	3/4	1.9~2.1



Check

1. Compare the flared work with the figure by.
2. If a flared section is defective, cut it off and do flaring work again.

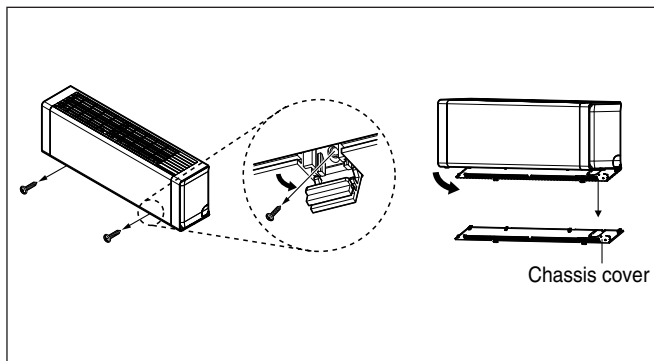


Inverter Single

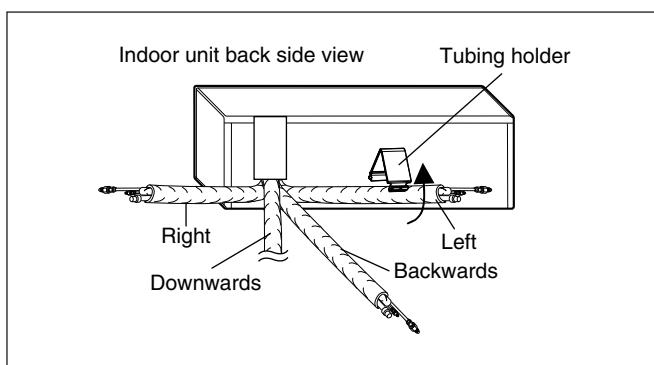
14. Installation

Connecting the Piping

1. Pull the screw cap at the bottom of the indoor unit.
2. Remove the chassis cover from the unit by loosening 2 screws.



3. Pull back the tubing holder.
4. Remove pipe port cover and positioning the tubing.



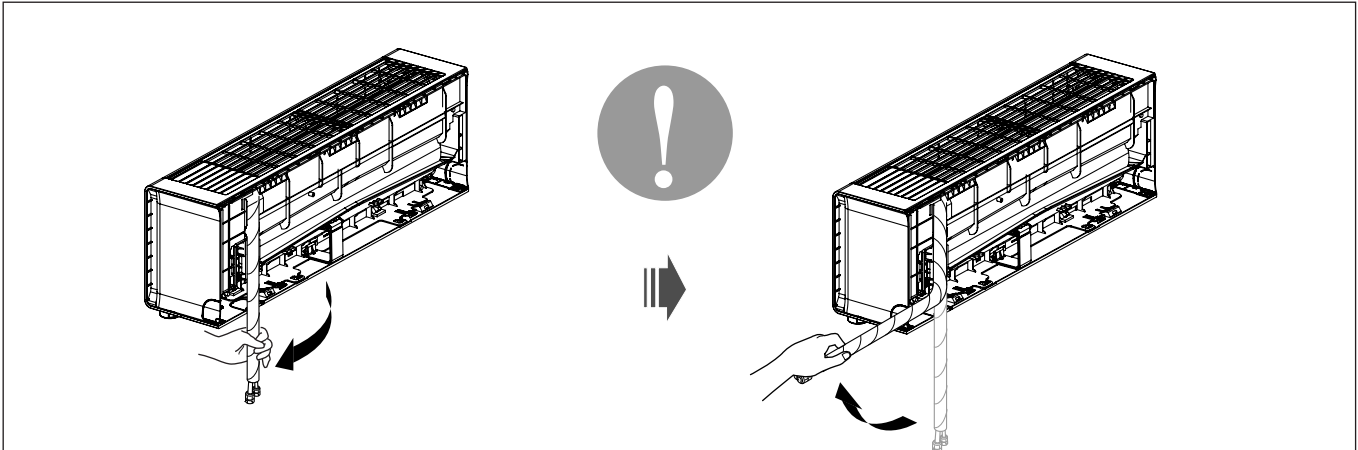
14. Installation

⚠ CAUTION

Installation Information. For right piping. Follow the instruction below.

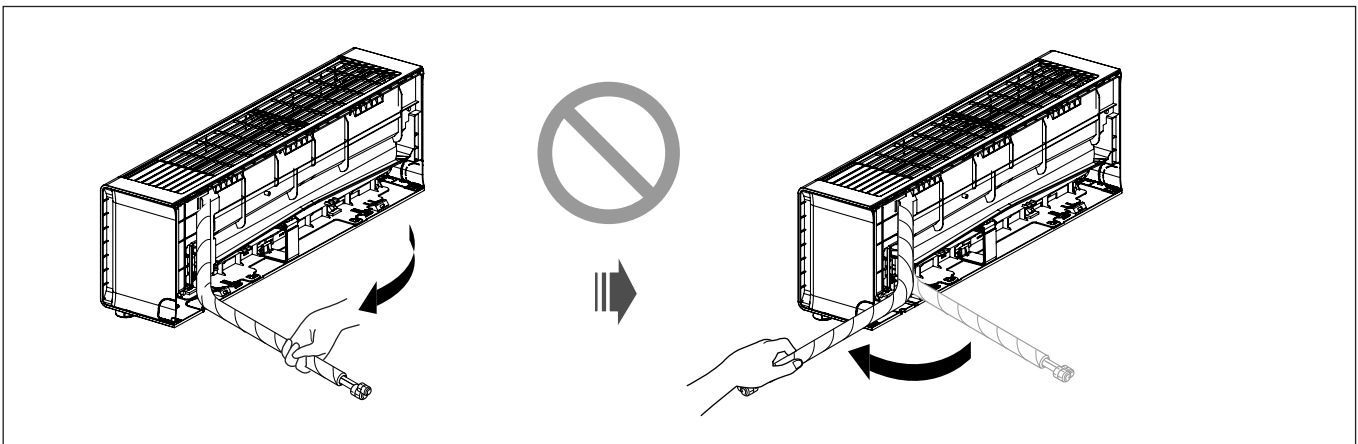
Good case

- Press on the tubing cover and unfold the tubing to downward slowly. And then bend to the left side slowly.



Bad case

- Following bending case from right to left directly may cause damage to the tubing.

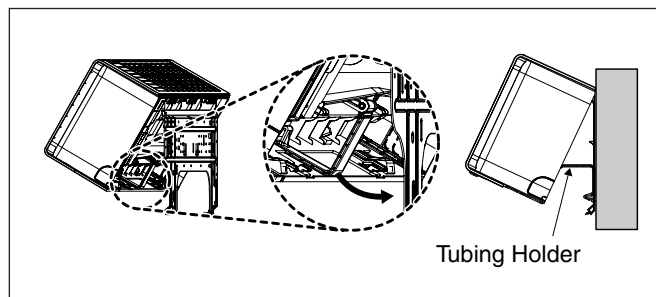
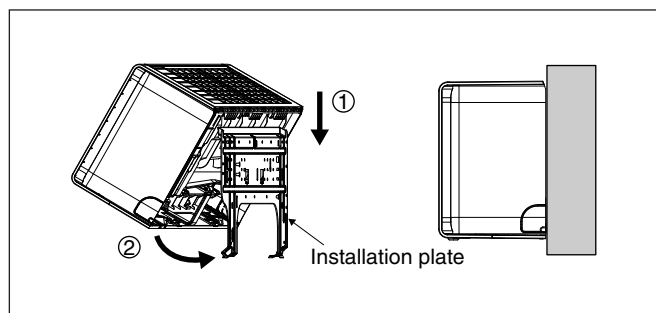


Inverter Single

14. Installation

Installation of Indoor Unit

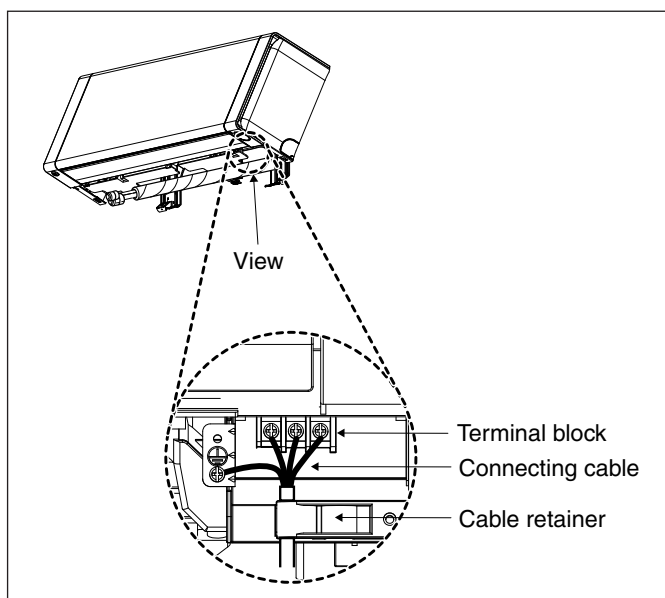
1. Hook the indoor unit onto the upper portion of the installation plate. (Engage the three hooks at the top of the indoor unit with the upper edge of the installation plate.) Ensure that the hooks are properly seated on the installation plate by moving it left and right.
2. Unlock the tubing holder from the chassis and mount between the chassis and installation plate in order to separate the bottom side of the indoor unit from the wall.



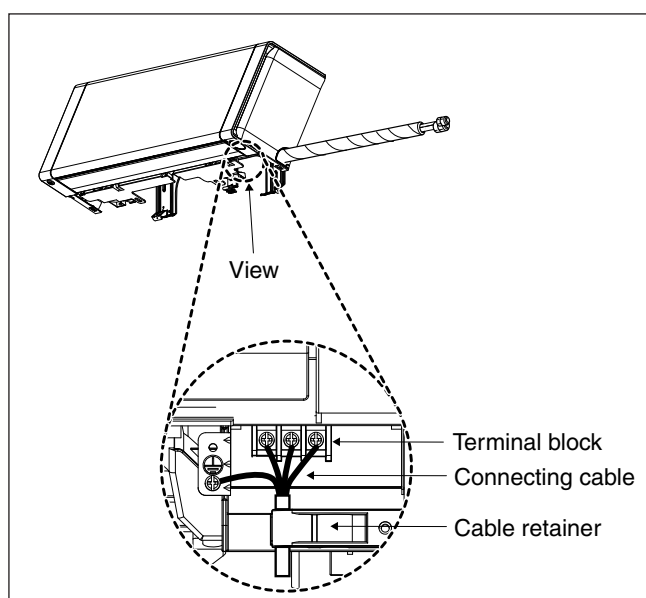
Piping

1. Insert the connecting cable through the bottom side of indoor unit and connect the cable. (You can see detail contents in 'Connecting the cables' section.)

<Left side piping>



<Right side piping>



2. Secure the cable onto the control board with the cable retainer.

Inverter Single

14. Installation

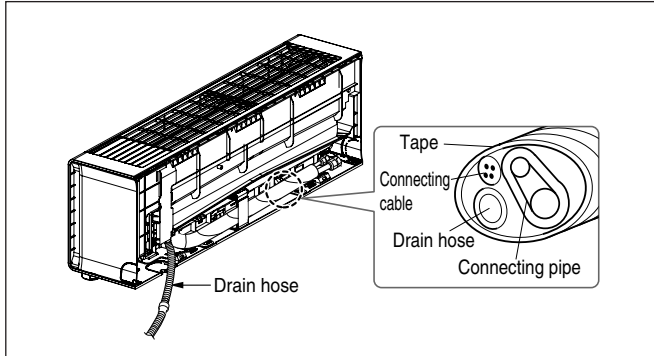
3. Tape the tubing pipe, drain hose and the connection cable. Be sure that the drain hose is located at the lowest side of the bundle. Locating at the upper side can cause overflow from the drain pan through the inside of the unit.

CAUTION

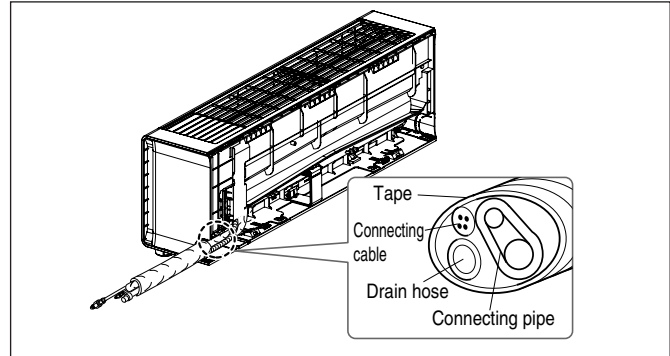
If the drain hose is routed inside the room insulate the hose with an insulation material* so that dripping from sweating (condensation) will not damage furniture or floors.

* Foamed polyethylene or equivalent is recommended.

<Left side piping>



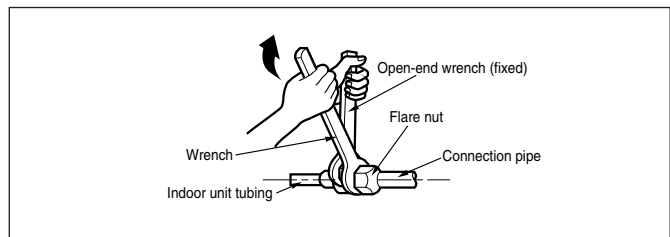
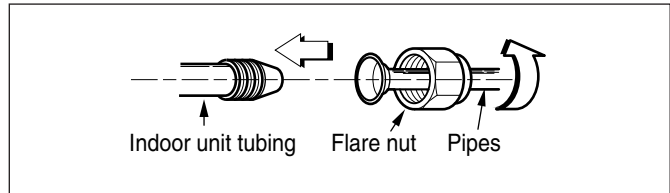
<Right side piping>



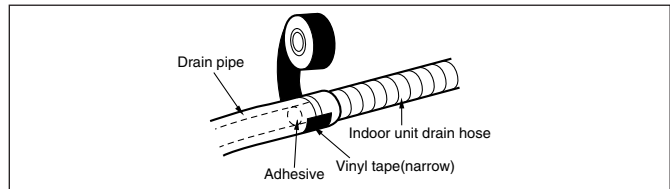
Connecting the installation pipe and drain hose to the indoor unit.

1. Align the center of the pipes and sufficiently tighten the flare nut by hand.
2. Tighten the flare nut with a wrench.

Outside diameter		Torque
mm	inch	kgf·m
Ø6.35	1/4	1.8~2.5
Ø9.52	3/8	3.4~4.2
Ø12.7	1/2	5.5~6.5
Ø15.88	5/8	6.3~8.2
Ø19.05	3/4	9.9~12.1



3. When needed to extend the drain hose of indoor unit, assembly the drain pipe as shown on the drawing.

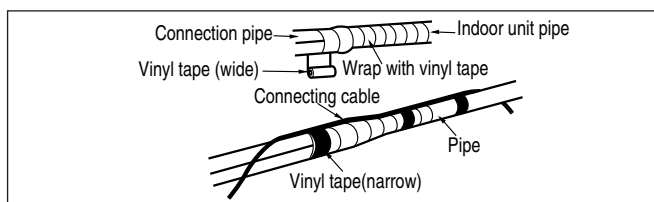
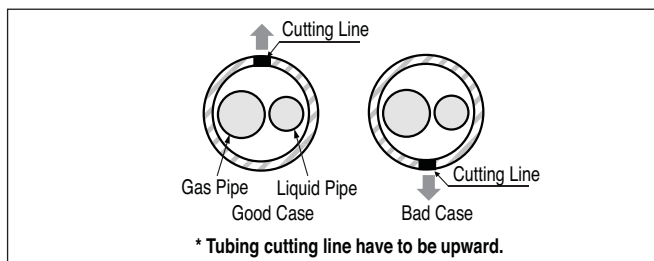
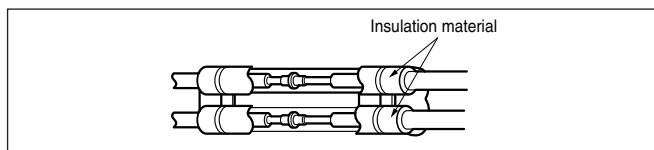


Inverter Single

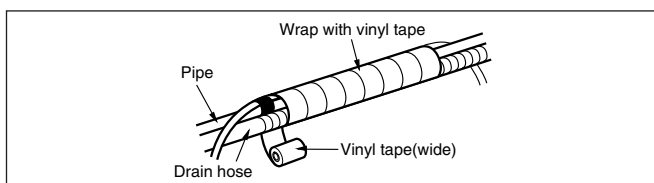
14. Installation

Wrap the insulation material around the connecting portion.

1. Overlap the connection pipe insulation material and the indoor unit pipe insulation material. Bind them together with vinyl tape so that there may be no gap.
2. Set the tubing cutting line upward.
Wrap the area which accommodates the rear piping housing section with vinyl tape.

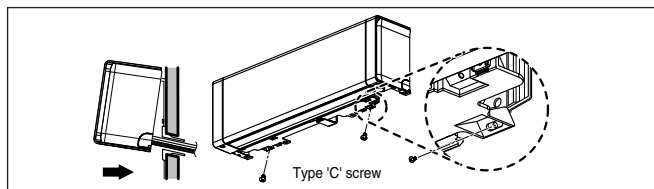


3. Bundle the piping and drain hose together by wrapping them with vinyl tape sufficient enough to cover where they fit into the rear piping housing section.



Finishing the indoor unit installation

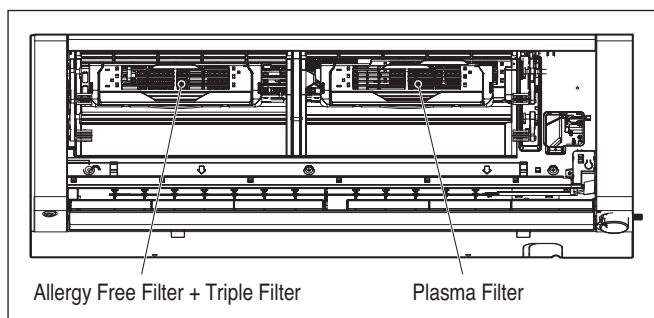
1. Mount the tubing holder in the original position.
2. Ensure that the hooks are properly seated on the installation plate by moving it left and right.
3. Press the lower left and right sides of the unit against the installation plate until the hooks engage into their slots (clicking sound).
4. Finish the assembly by screwing the unit to the installation plate by using two pieces of type "C" screws. And assemble a chassis cover.



Installation of filters

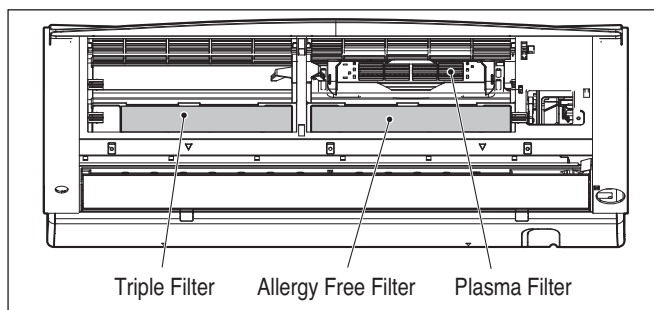
• Premium type

1. Pull out the [Allergy free filter + Triple Filter] from the separately packed plastic bag.
2. Detach the two nitto tapes from the filter.
3. Insert the filter into the filter case.
4. Detach two nitto tapes from the plasma filter.



• Rational type

1. Pull out the triple filter and allergy free filter from the separately packed plastic bag.
2. Insert the triple filter into the left case and insert the allergy free filter into the right case.
3. Detach two nitto tapes from the plasma filter.



14. Installation

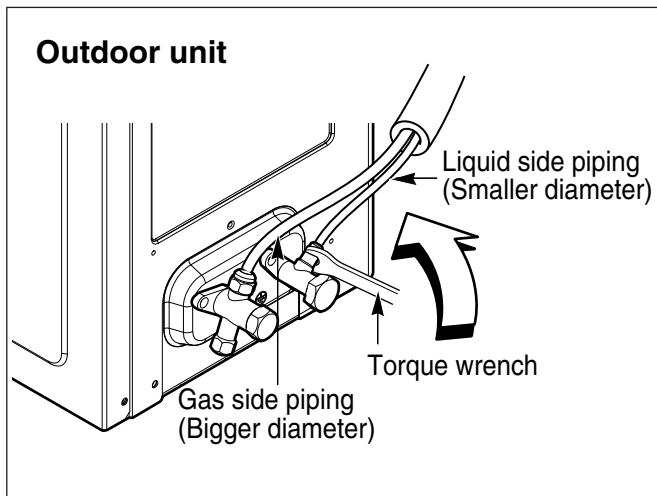
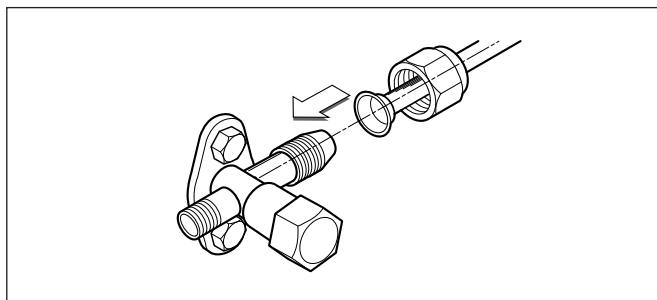
Outdoor

Align the center of the pipings and sufficiently tighten the flare nut by hand.

Finally, tighten the flare nut with torque wrench until the wrench clicks.

- When tightening the flare nut with torque wrench, ensure the direction for tightening follows the arrow on the wrench.

Outside diameter		Torque
mm	inch	kgf.m
Ø6.35	1/4	1.8~2.5
Ø9.52	3/8	3.4~4.2
Ø12.7	1/2	5.5~6.5
Ø15.88	5/8	6.3~8.2
Ø19.05	3/4	9.9~12.1



Inverter Single

14. Installation

Connecting the Cables

Indoor

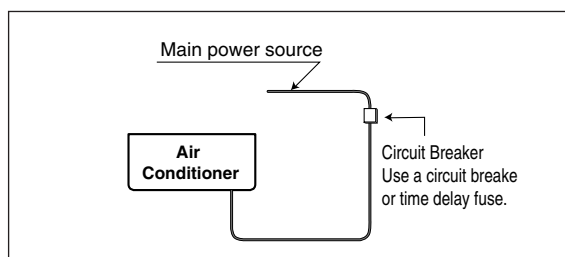
Connect the cable to the indoor unit by connecting the wires to the terminals on the control board individually according to the outdoor unit connection. (Ensure that the color of the wires of the outdoor unit and the terminal No. are the same as those of the indoor unit.)

⚠ CAUTION

- The circuit diagram is subject to change without notice.
- The earth wire should be longer than the common wires.
- When installing, refer to the circuit diagram on the front panel.
- Connect the wires firmly so that they may not be pulled out easily.
- Connect the wires according to color codes, referring to the wiring diagram.

⚠ CAUTION

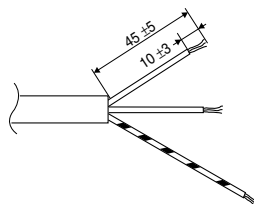
If a power plug is not used, provide a circuit breaker between power source and the unit as shown by.



⚠ CAUTION

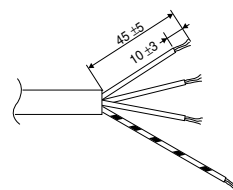
The power cord connected to the Indoor unit should be selected according to the following specifications (Type "B" approved by HAR or SAA).

NORMAL CROSS -SECTIONAL AREA	Grade		
	2.5kW ~ 3.5kW	5.28kW	7.03kW ~ 9.0kW
	1.0	1.5	2.5
Cable Type(B)	H05VV-F	H05VV-F	H05VV-F



The power connecting cable connecting the indoor and outdoor unit should be selected according to the following specifications (Type "B" approved by HAR or SAA).

NORMAL CROSS -SECTIONAL AREA	Grade	
	2.5kW ~ 7.03kW	8.0kW ~ 9.0kW
	1.0	0.75
Cable Type(B)	H07RN-F	H07RN-F



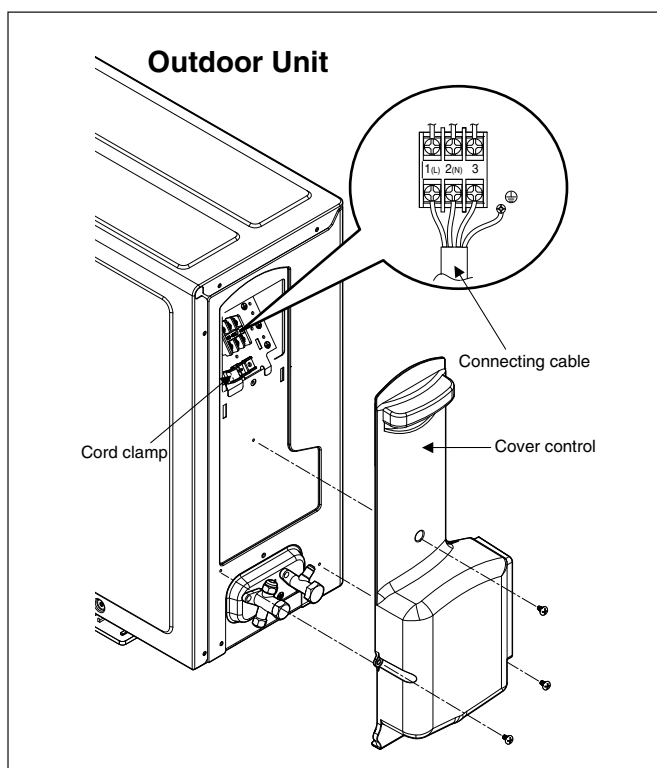
※ Field wiring shall be done such that the current-carrying conductors become taut before the earthing conductor if the cord slips out of the cord anchorage

14. Installation

Outdoor

1. Remove the control cover from the unit by loosening the screw.
Connect the wires to the terminals on the control board individually.
2. Secure the cable onto the control board with the cord clamp.
3. Refix the control cover to the original position with the screw.
4. Use a recognized circuit breaker between the power source and the unit.
A disconnecting device to adequately disconnect all supply lines must be fitted.

Circuit Breaker (A)	Grade		
	2.5kW ~ 5.28kW	7.03kW	8.0kW ~ 9.0kW
	15	30	25



⚠ CAUTION

According to the confirmation of the above conditions, prepare the wiring as follows.

1. Never fail to have an individual power circuit specifically for the air conditioner. As for the method of wiring, be guided by the circuit diagram posted on the inside of control cover.
2. The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could cause burn-out of the wires.)
3. Specification of power source.
4. Confirm that electrical capacity is sufficient.
5. See to that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
6. Confirm that the cable thickness is as specified in the power source specification.
(Particularly note the relation between cable length and thickness.)
7. Always install an earth leakage circuit breaker in a wet or moist area.
8. The following would be caused by voltage drop.
 - Vibration of a magnetic switch, which will damage the contact point, fuse breaking, disturbance of the normal function of the overload.
9. The means for disconnection from a power supply shall be incorporated in the fixed wiring and have an air gap contact separation of at least 3mm in each active(phase) conductors.

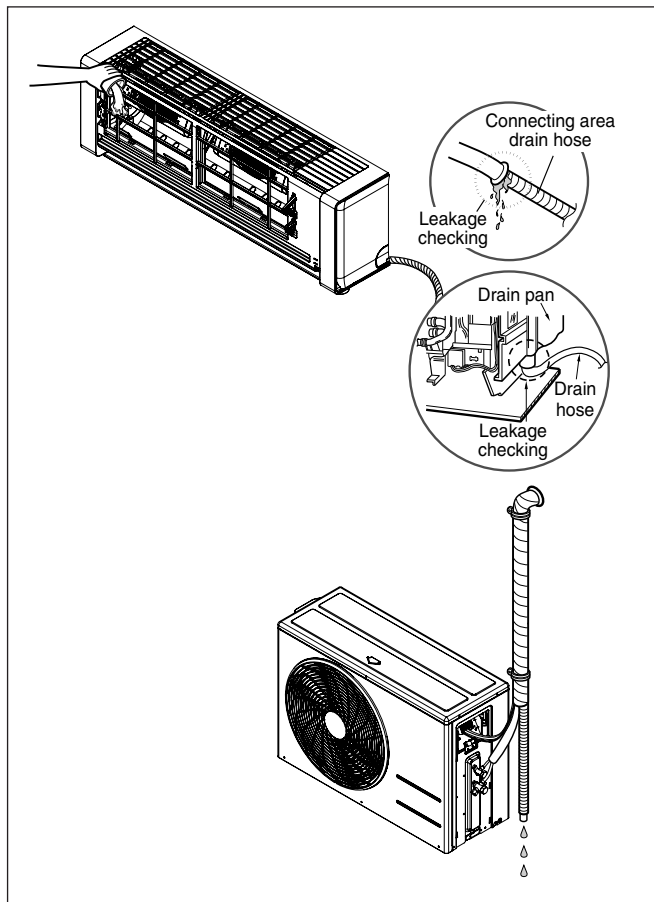
Inverter Single

14. Installation

Checking the Drainage

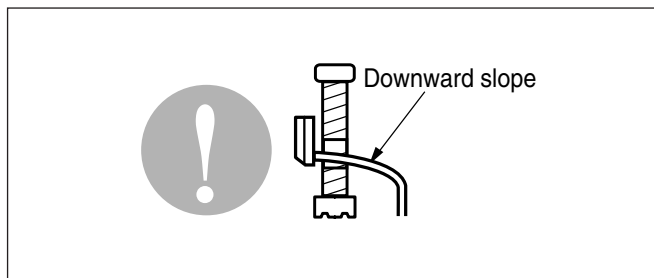
To check the drainage.

1. Pour a glass of water on the evaporator.
2. Ensure the water flows through the drain hose of the indoor unit without any leakage and goes out the drain exit.

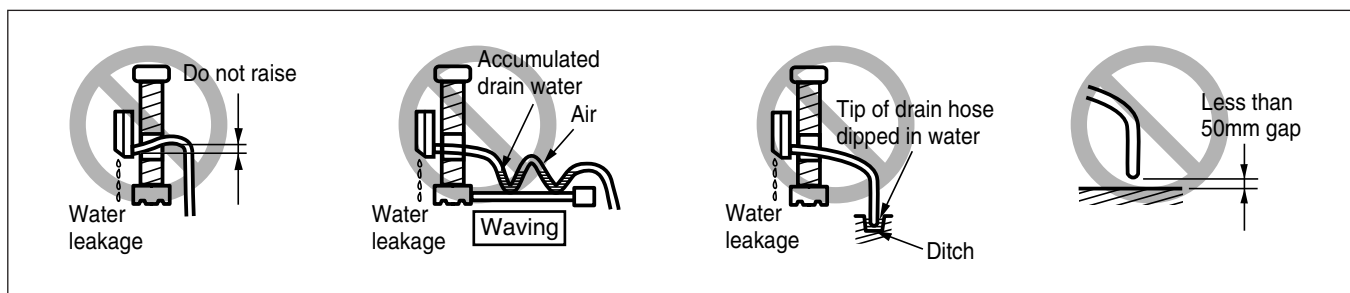


Drain piping

1. The drain hose should point downward for easy drain flow.



2. Do not make drain piping like the following.



Forming the Piping

Form the piping by wrapping the connecting portion of the indoor unit with insulation material and secure it with two kinds of vinyl tapes.

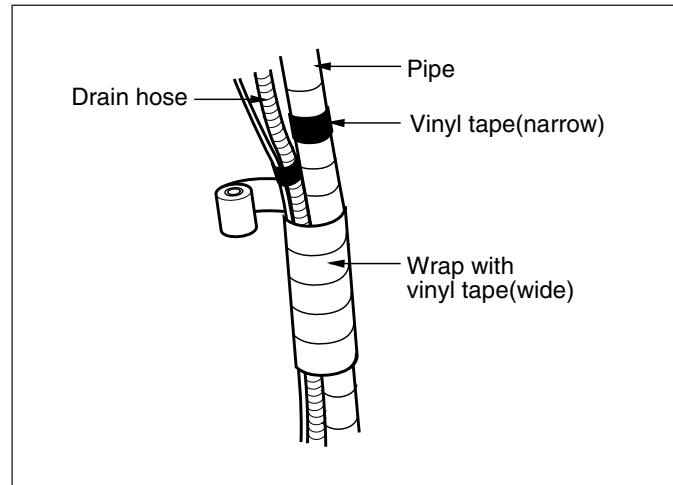
- If you want to connect an additional drain hose, the end of the drain outlet should be routed above the ground. Secure the drain hose appropriately.

In cases where the outdoor unit is installed below the indoor unit perform the following.

1. Tape the piping, drain hose and connecting cable from down to up.
2. Secure the tapped piping along the exterior wall using saddle or equivalent.

In cases where the Outdoor unit is installed above the Indoor unit perform the following.

1. Tape the piping and connecting cable from down to up.
2. Secure the taped piping along the exterior wall. Form a trap to prevent water entering the room.
3. Fix the piping onto the wall by saddle or equivalent.



Inverter Single

14. Installation

Air Purging

Air purging

The air and moisture remaining in the refrigerant system have undesirable effects as indicated below.

1. Pressure in the system rises.
2. Operating current rises.
3. Cooling(or heating) efficiency drops.
4. Moisture in the refrigerant circuit may freeze and block capillary tubing.
5. Water may lead to corrosion of parts in the refrigeration system.

Therefore, after evacuating the system, take a leak test for the piping and tubing between the indoor and outdoor unit.

Air purging with vacuum pump

1. Preparation

- Check that each tube(both liquid and gas side tubes) between the indoor and outdoor units have been properly connected and all wiring for the test run has been completed. Remove the service valve caps from both the gas and the liquid side on the outdoor unit. Note that both the liquid and the gas side service valves on the outdoor unit are kept closed at this stage.

2. Leak test

- Connect the manifold valve(with pressure gauges) and dry nitrogen gas cylinder to this service port with charge hoses.

⚠ CAUTION

Be sure to use a manifold valve for air purging. If it is not available, use a stop valve for this purpose. The "Hi" knob of the manifold valve must always be kept close.

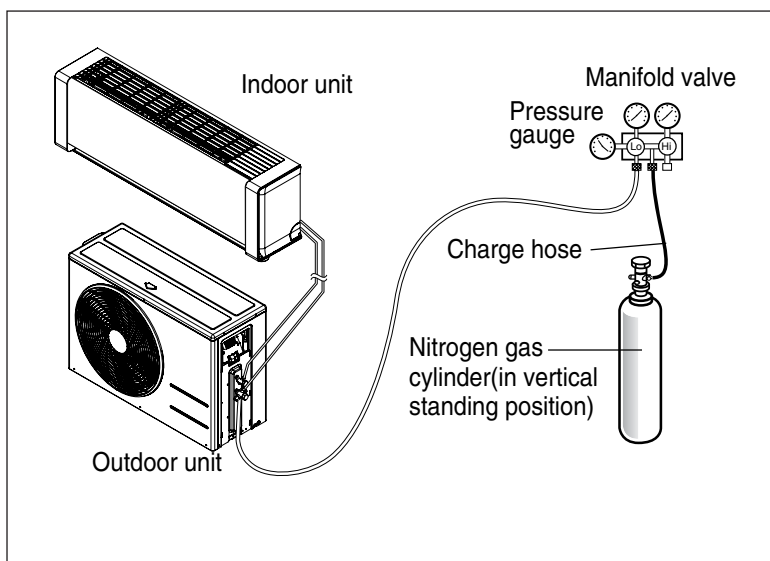
- Pressurize the system to no more than 150 P.S.I.G. with dry nitrogen gas and close the cylinder valve when the gauge reading reached 150 P.S.I.G. Next, test for leaks with liquid soap.

⚠ CAUTION

To avoid nitrogen entering the refrigerant system in a liquid state, the top of the cylinder must be higher than its bottom when you pressurize the system. Usually, the cylinder is used in a vertical standing position.

1. Do a leak test of all joints of the tubing(both indoor and outdoor) and both gas and liquid side service valves. Bubbles indicate a leak. Be sure to wipe off the soap with a clean cloth.

2. After the system is found to be free of leaks, relieve the nitrogen pressure by loosening the charge hose connector at the nitrogen cylinder. When the system pressure is reduced to normal, disconnect the hose from the cylinder.



14. Installation

Soap water method

1. Remove the caps from the 2-way and 3-way valves.
2. Remove the service-port cap from the 3-way valve.
3. To open the 2-way valve turn the valve stem counterclockwise approximately 90°, wait for about 2~3 sec, and close it.
4. Apply a soap water or a liquid neutral detergent on the indoor unit connection or outdoor unit connections by a soft brush to check for leakage of the connecting points of the piping.
5. If bubbles come out, the pipes have leakage

Evacuation

1. Connect the charge hose end described in the preceding steps to the vacuum pump to evacuate the tubing and indoor unit.

Confirm the "Lo" knob of the manifold valve is open.
Then, run the vacuum pump.

The operation time for evacuation varies with tubing length and capacity of the pump. The following table shows the time required for evacuation.

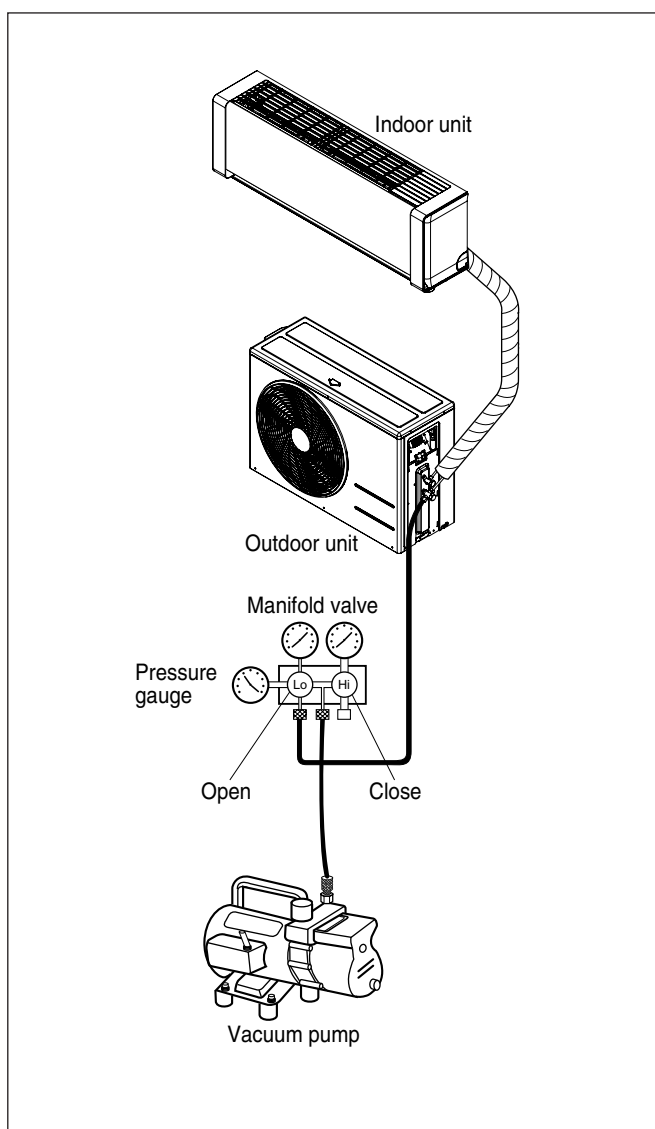
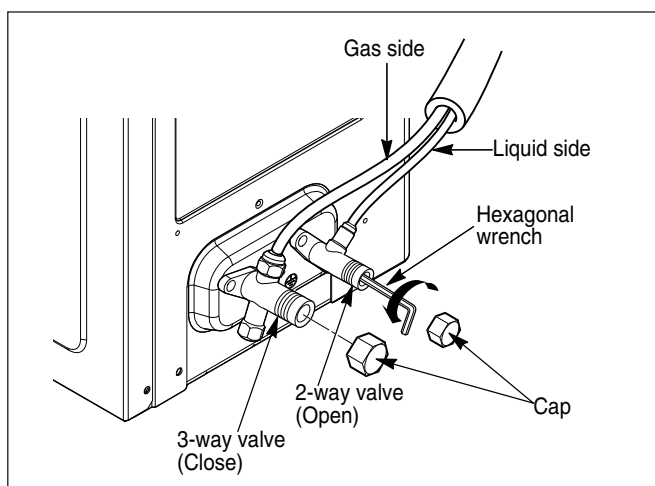
Required time for evacuation when 30 gal/h vacuum pump is used	
If tubing length is less than 10m (33 ft)	If tubing length is longer than 10m (33 ft)
10 min. or more	15 min. or more

2. When the desired vacuum is reached, close the "Lo" knob of the manifold valve and stop the vacuum pump.

Finishing the job

1. With a service valve wrench, turn the valve stem of liquid side valve counter-clockwise to fully open the valve.
2. Turn the valve stem of gas side valve counter-clockwise to fully open the valve.
3. Loosen the charge hose connected to the gas side service port slightly to release the pressure, then remove the hose.
4. Replace the flare nut and its bonnet on the gas side service port and fasten the flare nut securely with an adjustable wrench. This process is very important to prevent leakage from the system.
5. Replace the valve caps at both gas and liquid side service valves and fasten them tight.

This completes air purging with a vacuum pump.
The air conditioner is now ready to test run.



Inverter Single

14. Installation

Test Running

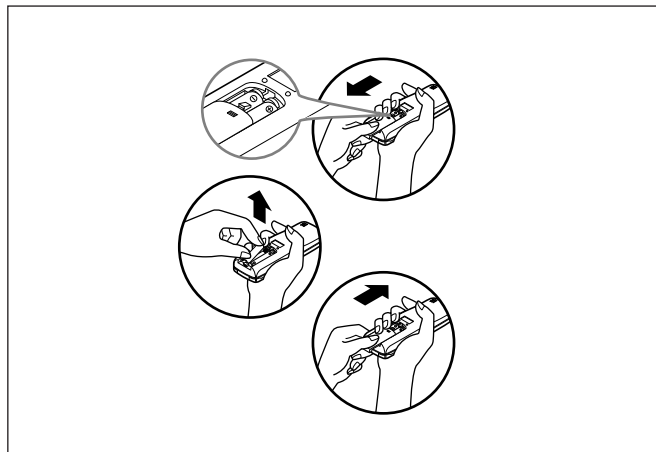
1. Check that all tubing and wiring are properly connected.
2. Check that the gas and liquid side service valves are fully open.

Prepare remote controller

1. Remove the battery cover by pulling it according to the arrow direction.
2. Insert new batteries making sure that the (+) and (–) of battery are installed correctly.
3. Reattach the cover by pushing it back into position.

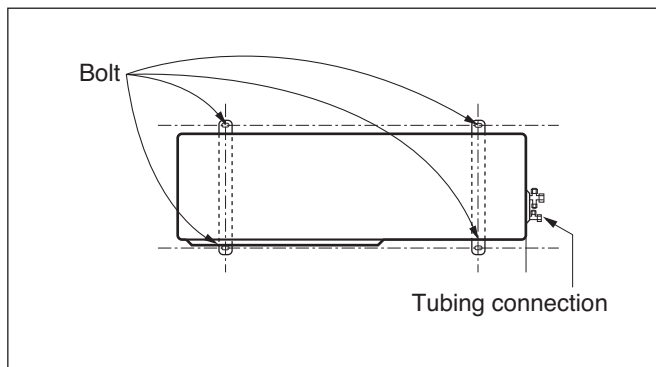
NOTICE

- Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.
- Remove the batteries from the remote controller if the system is not used for a long time.



Settlement of outdoor unit

1. Anchor the outdoor unit with a bolt and nut(ø10mm) tightly and horizontally on a concrete or rigid mount.
2. When installing on the wall, roof or rooftop, anchor the mounting base securely with a nail or wire assuming the influence of wind and earthquake.
3. If the vibration of the unit is transmitted to the hose, secure the unit with an anti-vibration rubber.

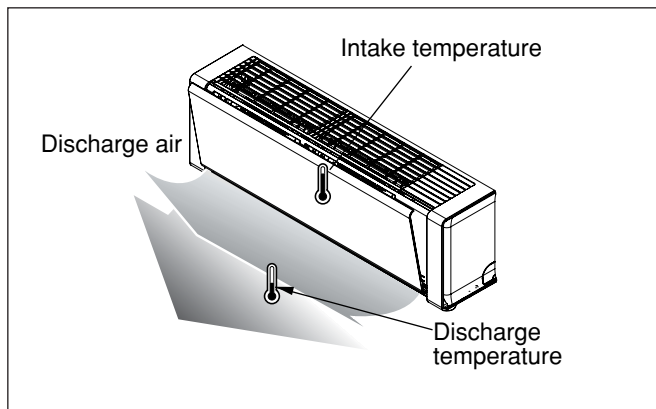


Evaluation of the performance

Operate the unit for 15~20 minutes, then check the system refrigerant charge:

1. Measure the pressure of the gas side service valve.
2. Measure the temperature of the intake and discharge of air.
3. Ensure the difference between the intake temperature and the discharge is more than 8°C
4. For reference; the gas side pressure of optimum condition is as below.(Cooling)

The air conditioner is now ready for use.



Refrigerant	Outside ambient TEMP.	The pressure of the gas side service valve.
R410A	35°C (95°F)	8.5~9.5kg/cm²G(120~135 P.S.I.G.)

NOTICE

If the actual pressure is higher than shown, the system is most likely over-charged, and charge should be removed. If the actual pressure are lower than shown, the system is most likely undercharged, and charge should be added.

PUMP DOWN

This is performed when the unit is relocated or the refrigerant circuit is serviced.

Pump Down means collecting all refrigerant into the outdoor unit without the loss of refrigerant.

⚠ CAUTION

Be sure to perform Pump Down procedure in the cooling mode.

Pump Down Procedure

1. Connect a low-pressure gauge manifold hose to the charge port on the gas side service valve.
2. Open the gas side service valve halfway and purge the air in the manifold hose using the refrigerant.
3. Close the liquid side service valve(all the way).
4. Turn on the unit's operating switch and start the cooling operation.
5. When the low-pressure gauge reading becomes 1 to 0.5kg/cm² G(14.2 to 7.1 P.S.I.G.), fully close the gas side valve and then quickly turn off the unit. Now Pump Down procedure is completed, and all refrigerant is collected into the outdoor unit.

Inverter Single

14. Installation

14.1. Installation Guide at the Seaside

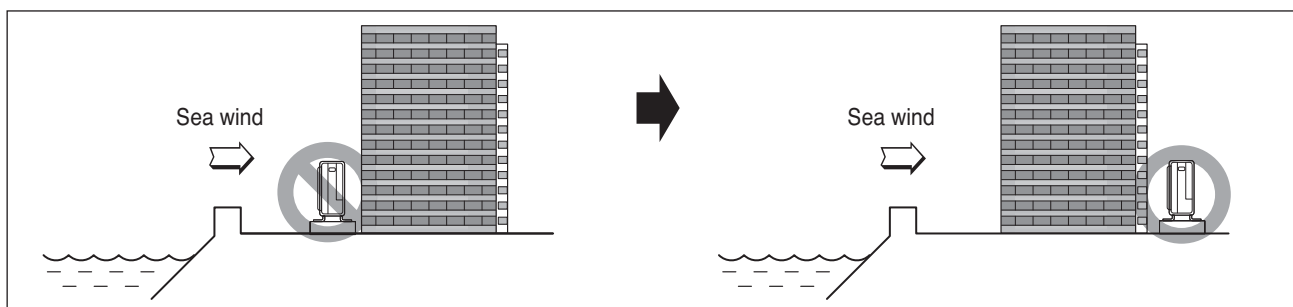


CAUTION

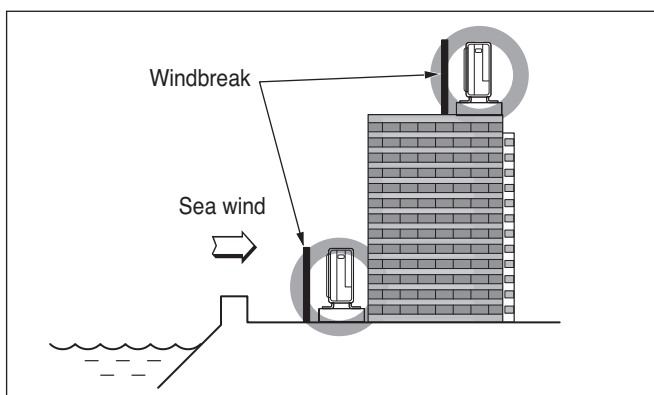
1. Air conditioners should not be installed in areas where corrosive gases, such as acid or alkaline gas, are produced.
2. Do not install the product where it could be exposed to sea wind (salty wind) directly. It can result corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient performance.
3. If outdoor unit is installed close to the seaside, it should avoid direct exposure to the sea wind. Otherwise it needs additional anticorrosion treatment on the heat exchanger.

Selecting the location(Outdoor Unit)

- 1) If the outdoor unit is to be installed close to the seaside, direct exposure to the sea wind should be avoided. Install the outdoor unit on the opposite side of the sea wind direction.



- 2) In case, to install the outdoor unit on the seaside, set up a windbreak not to be exposed to the sea wind.



- It should be strong enough like concrete to prevent the sea wind from the sea.
- The height and width should be more than 150% of the outdoor unit.
- It should be keep more than 70 cm of space between outdoor unit and the windbreak for easy air flow.

- 3) Select a well-drained place.

1. If you can't meet above guide line in the seaside installation, please contact LG Electronics for the additional anticorrosion treatment.
2. Periodic (more than once/year) cleaning of the dust or salt particles stuck on the heat exchanger by using water

15. Central Control Devices

Control Device

Control Method		Objective/Use	Unit Name and Model	Function	Parts	Features
Central Control	PI485	• RS485 Protocol Interface	PMNFP14A0 	• Interface bewteen Outdoor unit and Central Controller	• Conntection wire • Interface assembly	• 1 unit/1 outdoor
		• For Connect Indoor unit to other Forced on/off Controller	PQDSB / PQDSB1 	• Contact signal to air-con signal converter	• PCB Assembly • Top/Bottom case • Screw • Sub PCB set (1LEAD wire+ 1Sub PCB) • Manual	• 1set/1 indoor unit • 1 Contact point • Input power AC220V~ AC240V(PQDSB) • Input power AC24V(PQDSB1)
Interface Device	Dry Contact	• For Connect Indoor unit to other Forced on/off Controller	PQDSBC* 	• Contact signal to air-con signal converter	• PCB Assembly • Top/Bottom case • Screw • Sub PCB set (1LEAD wire+ 1Sub PCB) • Manual	• 1set/1 indoor unit • 2 Contact points • No need AC input • Expected temperature setting is possible
		• For Connect Indoor unit to other Forced on/off Controller				



P/No.: MFL66305304



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