

LG

Europe
Inverter Single

50Hz(R410A)
5RMI0-04B(Replace : 5RMI0-04A)

TOTAL HVAC SOLUTION PROVIDER

ENGINEERING PRODUCT DATA BOOK

Inverter Single

Inverter Single-50Hz(R410A)

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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

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 & Energy Solution Company

Inverter Single

Publication history

PDB No.	Product Name	Notes	Publication in
5RMI0-04A	INV.	New PDB, 22Models	Jan, 2013
5RMI0-04B	INV.	Update (H09AK,H12AK) - Wirind diagrams - Refrigerant Cycle diagrams	Feb, 2013

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Publication history

Edition	Capacity	Chassis	Type	Model		Note
				Factory	Buyer	
#1	2500W	SB	Inverter H/P	AS-W096BRR3	A09RK SSB	13' EU (ErP)
				AS-W096BWR3	A09WK SSB	
				AS-W096BVR3	A09VK SSB	
				AS-W096BNR3	D09AK SSB	
				US-W096B4A0	E09EK SSB	
				AS-W096B8A0 (US-W096B8A0)	P09RK SSB	
	2700W	SF		AS-W096MMS3	H09AK SSM	
				ASNW096F1G3 ASUW096FUG3	G09PK NSF G09PK UL2	
	3500W	SB		AS-W126BRR3	A12RK SSB	
				AS-W126BWR3	A12WK SSB	
				AS-W126BVR3	A12VK SSB	
				AS-W126BNR3	D12AK SSB	
				US-W126B4A0	E12EK SSB	
				AS-W126B8A0 (US-W126B8A0)	P12RK SSB	
				ASNW126F1G3 ASUW126FUG3	G12PK NSF G12PK UL2	
				AS-W126MMS3	H12AK SSM	
				AS-W186CRR3	A18RK SSC	
				AS-W186CWR3	A18WK SSC	
	5200W	SC		AS-W186CVR3	A18VK SSC	
				AS-W186CNR3	D18AK SSC	
				AS-W186C8A0	P18RK SSC	
				AS-W246DSB0	P24RK SSD	
	7030W	SD				

Inverter Single

1. Models Line up

1.1 Indoor Unit

Type	Model names					
	kW (kBtu/h)					
	2.50(9)	3.50(12)	5.28(18)	7.03(24)	8.0(30)	9.0(36)
Prestige 	ASNW096MMS3 (H09AK NSM)	ASNW126MMS3 (H12AK NSM)				
ARTCOOL  *:R - Mirror  *:V - Silver  *:W - White	ASNW096B*R3 (A09*K NSB)	ASNW126B*R3 (A12*K NSB)	ASNW186C*R3 (A18*K NSC)			
Deluxe 	ASNW096BNR3 (D09AK NSB)	ASNW126BNR3 (D12AK NSB)	ASNW186CNR3 (D18AK NSC)			
ARTCOOL Gallery 	ASNW096F1G3 (G09PK NSF)	ASNW126F1G3 (G12PK NSF)				
Standard 	ASNW096B8A0 USNW096B8A0 (P09RK NSB)	ASNW126B8A0 USNW126B8A0 (P12RK NSB)	ASNW186C8A0 (P18RK NSC)	ASNW246DSB0 (P24RK NSD)		
Econo 	USNW096B4A0 (E09EK NSB)	USNW126B4A0 (E12EK NSB)				




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

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1. Models Line up

1.2 Outdoor Unit


DC Inverter SINGLE A₁ (1Ø)

Heat pump		ASUW186C2U3 (S18AK UE1) ASUW186C8A0 (P18RK UE1)	
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	5.28	
	kBtu/h	18	
Power supply		1Ø, 220-240V, 50Hz	
Chassis		UE	
Heat pump		ASUW246DSB0 (P24RK UE1)	
No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	7.03	
	kBtu/h	24	
Power supply		1Ø, 220-240V, 50Hz	
Chassis		UE1+	
Heat pump		USUW096B4A0 (E09EK UA3) USUW096B8A0 (P09RK UA3) ASUW096B8A0	USUW126B4A0 (E12EK UA3) USUW126B8A0 (P12RK UA3) ASUW126B8A0
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		UA3	

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1. Models Line up

DC Inverter High Efficiency models(1Ø)

Heat pump		ASUW096BUS3 (S09AK UL2) ASUW096FUG3(G09PK UL2) ASUW096MUF3(H09AK UL2)	ASUW126BUS3 (S12AK UL2) ASUW126FUG3(G12PK UL2) ASUW126MUF3(H12AK UL2)
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		<p style="text-align: center;">INVERTER V</p> <div style="display: flex; justify-content: center; align-items: center;"> <div style="margin-right: 20px;">UL2</div>  </div>	

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2. Nomenclature

• Europe Model Number

A S - W 0 9 6 B R R 3

Serial Number

Function

R: Visual Ionizer+4way

A: Non Plasma+2way

B: Non Plasma+4way

G: Ionizer+Plasma+4way

S: Visual Ionizer+Plasma+4way+All in one HAF

Look/Color

CHASSIS	LOOK	Classification
SB	R	ARTCOOL
	W	ARTCOOL
	V	ARTCOOL
	N	Deluxe
	4	Econo
	8	Standard
SC	R	Libero ARTCOOL
	W	Libero ARTCOOL
	V	Libero ARTCOOL
	N	Deluxe
	8	Standard
SD	S	Standard
SF	1	ARTCOOL Gallery
	U	ARTCOOL Gallery
SM	M	Prestige

Chassis Name

Ex) 'B' : SB, 'C' : SC, 'D' : SD

Electric Rating

'6': 220~240V, 50Hz

Capacity

Ex) '18' → 18,000Btu/h Class
(W = Btu/3.41214)

Model Type

W: DC Inverter H/P

Supply Method Diving and Type

'1': SET

Product Type

S: Split

Refrigeant Type

A: R410A

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3. Features & Benefits

Supreme Energy Efficiency

State of the art heat exchanger, air outlet, compressor, and inverter technology provide the world's highest energy efficiency

1



Active Energy Control: Active Energy Control adjusts the energy consumption level and cooling capacity according to any situation



Energy Efficiency: The advanced compressor and inverter technology of LG with efficiency level of SEER 8.9 enables the user to use more and save more.

Complete Silence

LG's unique new skew fan and low vibration compressor reduces noise and increases comfort for the user

2



17dB: With fan blades 25% larger than the previous skew fan, the sound level has been decreased further to 17dB, which is almost as quiet a library.

3



Silent Mode: Lowers outdoor unit sound level by 3dB whenever you need silence.

Perfect Health Care

Numerous filters together with the innovative Plasmaster ions protect the user from harmful substances such as bacteria, allergens and odours.

4



3M Multi Protection Filter : 3M Multi Protection filter captures dust, virus and allergens. It then deactivates the bacteria and allergens in the LG and 3M system.

5



Honeycomb Filter Design : Honeycomb filter is highly functional and can be changed easily. It is the ideal air filtration solution.

6



Plasmaster[™] Ioniser : 2 million Plasmaster ions sterilise the air for the health and comfort of the user.

7



Plasmaster[™] Auto Cleaning : The auto cleaning function prevents the formation of bacteria and mold on the heat exchanger.

Optimised Airflow

The optimised design of the air outlet provides a powerful airflow which cools the room temperature by up to 5 degrees in just 5.6 minutes.

8



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

Heating

Use more and save more with the highly efficient LG Heat Pump system and inverter technology.

9



Use more and save more with the highly efficient LG Heat Pump system and inverter technology.

Stylish Design

LG air conditioners are not just refreshingly efficient, but also exceptionally elegant in design.

10



The design of LG air conditioners are stylish in a way that is incomparable to others. Think of it not just as an air conditioner, but an object that will enhance your living room.

Quick & Easy Installation

Installation has never been easier due to the innovative design of LG air conditioners.

11



Perfect finish / Bigger tubing space / Installation plate improvement / Detachable cover / Elevated service valve / Installation support clip / Compatible with inverter multi system

4. Specifications

Model			AS-W096BRR3 AS-W096BWR3 AS-W096BVR3	AS-W096BNR3	US-W096B4A0
Heat transfer (source /sink)		-	Air to Air	Air to Air	Air to Air
Type of appliance		-	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)
Cooling Capacity		kW	2.50	2.50	2.50
Heating Capacity		kW	3.20	3.20	3.20
Low Temp. Heating Capacity (-7°C)		kW	3.20	3.20	3.00
Power Input	Cooling /Heating	W	550/700	550/700	670/840
Running Current	Cooling /Heating	A	2.6/3.2	2.6/3.2	3.0/3.7
Starting Current	Cooling /Heating	A	2.6/3.2	2.6/3.2	3.0/3.7
Max Current	Cooling /Heating	A	6.0/7.0	6.0/7.0	6.0/6.0
SEER		W/W	6.2	6.2	5.5
SCOP		W/W	4.0	4.0	3.4
Energy efficiency class A(more efficient), G(less efficient)	Cooling /Heating	-	A++/A+	A++/A+	A/A
Annual energy consumption	Cooling /Heating	kWh	142/1120	142/1120	159/1318
Power Supply		Ø / V / Hz	1Ø / 220~240V / 50	1Ø / 220~240V / 50	1 / 220-240 / 50
Air Flow Rate	Indoor, Max	m³/min	12.0	12.0	12.0
	Outdoor, Max	m³/min	33	33	27
Moisture Removal		l/h	1.1	1.1	1.1
Sound Pressure Level	Indoor, H/M/L/Sleep	dB(A)±3	38/33/23/19	38/33/23/19	39/33/25/20
	Outdoor, Max	dB(A)±3	45	45	47
Sound Power Level	Indoor, Max	dB(A)±3	57	57	57
	Outdoor, Max	dB(A)±3	65	65	65
Refrigerant & Charge (at 7.5 m)		g	R410A, 1000	R410A, 1000	R410A, 900
Additional Refrigerant charge		g/m	20	20	20
Compressor	Model	-	GA102MFB	GA102MFB	GA092MAB
	Motor Type	-	Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
	O.L.P. name	-	-	-	-
Fan(Indoor)	Type	-	Cros Flow Fan	Cros Flow Fan	Cros Flow Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	20	20	20
Fan(Outdoor)	Type	-	Propeller, Fan	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	43	43	43
Circuit Breaker		A	15	15	15
Power Supply Cable		N x mm²	3*1.0	3*1.0	3*1.0
Power and Transmission Cable N x mm²		N x mm²	4*1.0(including Earth)	4*1.0(including Earth)	4*1.0 (Including Earth)
Piping Connections	Liquid Side	mm	6.35	6.35	6.35
	Gas Side	mm	9.52	9.52	9.52
	Drain Hose	mm	21.5	21.5	21.5
Dimensions	Indoor (WxHxD)	mm	885*285*205	885*285*210	885*285*210
	Outdoor (WxHxD)	mm	770*545*288	770*545*288	717*483*230
Net Weight	Indoor	kg	10.0	11.0	9.0
	Outdoor	kg	32.3	32.3	26.0
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48	-10~48
	Heating(Outdoor)	°C	-15~24	-15~24	-10~24
Piping Length (Min / Max)		m	2/20	2/20	3/15
Max Elevation Difference		m	10	10	7

Note:

- Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C DB/19°C WB
 - Outdoor Temperature 35°C DB/24°C WB
 Heating: - Indoor Temperature 20°C DB/15°C WB
 - Outdoor Temperature 7°C DB/6°C WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.002931$$

$$\text{cfm} = \text{CMM} \times 35.3$$

4. Specifications

Model			AS-W096MMS3	AS-W096B8A0 (US-W096B8A0)	ASNW096F1G3 ASUW096FUG3
Heat transfer (source /sink)		-	Air to Air	Air to Air	Air to Air
Type of appliance		-	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)
Cooling Capacity		kW	2.50	2.50	2.70
Heating Capacity		kW	3.20	3.20	3.50
Low Temp. Heating Capacity (-7°C)		kW	4.30	3.00	3.40
Power Input	Cooling /Heating	W	450/570	600/770	700/930
Running Current	Cooling /Heating	A	2.3/2.9	2.66 / 3.4	3.3/4.3
Starting Current	Cooling /Heating	A	2.3/2.9	3.0/3.7	3.3/4.3
Max Current	Cooling /Heating	A	5.5/7.0	6.5/6.0	6.0/7.0
SEER		W/W	8.9	5.8	5.3
SCOP		W/W	5.3	3.4	3.5
Energy efficiency class A(more efficient), G(less efficient)	Cooling /Heating	-	A+++/A+++	A+/A	A/A
Annual energy consumption	Cooling /Heating	kWh	99/846	151/1318	178/1400
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1/220~240/50
Air Flow Rate	Indoor, Max	m ³ /min	15.5	12.0	9.5
	Outdoor, Max	m ³ /min	33	27	33
Moisture Removal		l/h	1.5	1.1	1.2
Sound Pressure Level	Indoor, H/M/L/Sleep	dB(A)±3	38/33/25/17	38 /33 / 23 / 19	35/29/25/23
	Outdoor, Max	dB(A)±3	45	47	45
Sound Power Level	Indoor, Max	dB(A)±3	57	57	57
	Outdoor, Max	dB(A)±3	65	65	65
Refrigerant & Charge (at 7.5 m)		g	R410A, 1150	R410A, 900	R410A, 1000
Additional Refrigerant charge		g/m	20	20	20
Compressor	Model	-	DA128A1FA	GA092MAB	GA102MFB
	Motor Type	-	Twin Rotary	Brushless DC Moter	Brushless DC Moter
	O.L.P. name	-	-	-	-
Fan(Indoor)	Type	-	Cros Flow Fan	Cros Flow Fan	Cros Flow Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	20	20	15
Fan(Outdoor)	Type	-	Propeller, Fan	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	45	43	43
Circuit Breaker		A	13	15	15
Power Supply Cable		N x mm ²	3*1.0	3*1.0	3*1.0
Power and Transmission Cable N x mm ²		N x mm ²	4*1.0(Including Earth)	4*1.0 (Including Earth)	4*1.0(Including Earth)
Piping Connections	Liquid Side	mm	6.35	6.35	6.35
	Gas Side	mm	9.52	9.52	9.52
	Drain Hose	mm	21.5	21.5	21.5
Dimensions	Indoor (WxHxD)	mm	875*295*235	885*285*210	600*600*146
	Outdoor (WxHxD)	mm	770*545*288	717*483*230	770 x 545 x 288
Net Weight	Indoor	kg	11.5	9.0	15.0
	Outdoor	kg	35.0	26.0	34.0
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48	-10~48
	Heating(Outdoor)	°C	-15~24	-10~24	-10~24
Piping Length (Min / Max)		m	3/20	3/15	-/15
Max Elevation Difference		m	10	7	7

Note:

- Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C DB/19°C WB
 - Outdoor Temperature 35°C DB/24°C WB
 Heating: - Indoor Temperature 20°C DB/15°C WB
 - Outdoor Temperature 7°C DB/6°C WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.0002931$$

$$\text{cfm} = \text{CMM} \times 35.3$$

4. Specifications

Model			AS-W126BRR3 AS-W126BWR3 AS-W126BVR3	AS-W126BNR3	US-W126B4A0
Heat transfer (source /sink)		-	Air to Air	Air to Air	Air to Air
Type of appliance		-	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)
Cooling Capacity		kW	3.50	3.50	3.50
Heating Capacity		kW	4.00	4.00	3.80
Low Temp. Heating Capacity (-7°C)		kW	3.80	3.80	3.60
Power Input	Cooling /Heating	W	880/960	880/960	1080/1000
Running Current	Cooling /Heating	A	4.1/4.4	4.1/4.4	4.7/4.4
Starting Current	Cooling /Heating	A	4.1/4.4	4.1/4.4	4.7/4.4
Max Current	Cooling /Heating	A	6.0/7.0	6.0/7.0	6.5/6.0
SEER		W/W	6.1	6.1	5.4
SCOP		W/W	4.0	4.0	3.4
Energy efficiency class A(more efficient), G(less efficient)	Cooling /Heating	-	A++/A+	A++/A+	A/A
Annual energy consumption	Cooling /Heating	kWh	201/1400	201/1400	227/1565
Power Supply		Ø / V / Hz	1Ø / 220~240V / 50	1Ø / 220~240V / 50	1 / 220-240 / 50
Air Flow Rate	Indoor, Max	m³/min	12.0	12.0	12.0
	Outdoor, Max	m³/min	33	33	27
Moisture Removal		l/h	1.3	1.3	1.3
Sound Pressure Level	Indoor, H/M/L/Sleep	dB(A)±3	39/33/23/19	39/33/23/19	39/33/25/20
	Outdoor, Max	dB(A)±3	45	45	47
Sound Power Level	Indoor, Max	dB(A)±3	57	57	57
	Outdoor, Max	dB(A)±3	65	65	65
Refrigerant & Charge (at 7.5 m)		g	R410A, 1000	R410A, 1000	R410A, 900
Additional Refrigerant charge		g/m	20	20	20
Compressor	Model	-	GA102MFB	GA102MFB	GA102MFB
	Motor Type	-	Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
	O.L.P. name	-	-	-	-
Fan(Indoor)	Type	-	Cros Flow Fan	Cros Flow Fan	Cros Flow Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	20	20	20
Fan(Outdoor)	Type	-	Propeller, Fan	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	43	43	43
Circuit Breaker		A	15	15	15
Power Supply Cable		N x mm²	3*1.0	3*1.0	3*1.0
Power and Transmission Cable N x mm²		N x mm²	4*1.0(including Earth)	4*1.0(including Earth)	4*1.0 (Including Earth)
Piping Connections	Liquid Side	mm	6.35	6.35	6.35
	Gas Side	mm	9.52	9.52	9.52
	Drain Hose	mm	21.5	21.5	21.5
Dimensions	Indoor (WxHxD)	mm	885*285*205	885*285*210	885*285*210
	Outdoor (WxHxD)	mm	770*545*288	770*545*288	717*483*230
Net Weight	Indoor	kg	10.0	11.0	9.0
	Outdoor	kg	32.3	32.3	28.0
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48	-10~48
	Heating(Outdoor)	°C	-15~24	-15~24	-10~24
Piping Length (Min / Max)		m	2/20	2/20	3/15
Max Elevation Difference		m	10	10	7

Note:

- Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C DB/19°C WB
 - Outdoor Temperature 35°C DB/24°C WB
 Heating: - Indoor Temperature 20°C DB/15°C WB
 - Outdoor Temperature 7°C DB/6°C WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.002931$$

$$\text{cfm} = \text{CMM} \times 35.3$$

4. Specifications

Model			AS-W126B8A0 (US-W126B8A0)	ASNW126F1G3 ASUW126FUG3	AS-W126MMS3
Heat transfer (source /sink)		-	Air to Air	Air to Air	Air to Air
Type of appliance		-	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)
Cooling Capacity		kW	3.50	3.50	3.50
Heating Capacity		kW	4.00	4.00	4.00
Low Temp. Heating Capacity (-7°C)		kW	3.60	3.60	4.60
Power Input	Cooling /Heating	W	1010 / 1050	1060/1100	760/740
Running Current	Cooling /Heating	A	4.6 / 4.65	4.8/5.0	3.5/3.8
Starting Current	Cooling /Heating	A	4.7/4.4	4.8/5.0	3.5/3.8
Max Current	Cooling /Heating	A	6.5/6.0	6.0/7.0	6.0/7.0
SEER		W/W	5.6	5.3	8.9
SCOP		W/W	3.4	3.4	5.1
Energy efficiency class A(more efficient), G(less efficient)	Cooling /Heating	-	A+/A	A/A	A+++/A+++
Annual energy consumption	Cooling /Heating	kWh	219/1565	230/1647	138/1098
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1/220~240/50	1 / 220-240 / 50
Air Flow Rate	Indoor, Max	m ³ /min	12.0	9.5	15.5
	Outdoor, Max	m ³ /min	27	33	33
Moisture Removal		l/h	1.3	1.5	1.7
Sound Pressure Level	Indoor, H/M/L/Sleep	dB(A)±3	39 / 33 / 23 / 19	39/32/25/23	39/33/25/17
	Outdoor, Max	dB(A)±3	47	45	45
Sound Power Level	Indoor, Max	dB(A)±3	57	57	57
	Outdoor, Max	dB(A)±3	65	65	65
Refrigerant & Charge (at 7.5 m)		g	R410A, 900	R410A, 1000	R410A, 1150
Additional Refrigerant charge		g/m	20	20	20
Compressor	Model	-	GA102MFB	GA102MFB	DA128A1FA
	Motor Type	-	Brushless DC Moter	Brushless DC Moter	Twin Rotary
	O.L.P. name	-	-	-	-
Fan(Indoor)	Type	-	Cros Flow Fan	Cros Flow Fan	Cros Flow Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	20	15	20
Fan(Outdoor)	Type	-	Propeller, Fan	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC	BLDC
	Motor output	W	43	43	45
Circuit Breaker		A	15	15	13
Power Supply Cable		N x mm ²	3*1.0	3*1.0	3*1.0
Power and Transmission Cable N x mm ²		N x mm ²	4*1.0 (Including Earth)	4*1.0(Including Earth)	4*1.0(Including Earth)
Piping Connections	Liquid Side	mm	6.35	6.35	6.35
	Gas Side	mm	9.52	9.52	9.52
	Drain Hose	mm	21.5	21.5	21.5
Dimensions	Indoor (WxHxD)	mm	885*285*210	600*600*146	875*295*235
	Outdoor (WxHxD)	mm	717*483*230	770 x 545 x 288	770*545*288
Net Weight	Indoor	kg	9.0	15.0	11.5
	Outdoor	kg	28.0	34.0	35.0
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48	-10~48
	Heating(Outdoor)	°C	-10~24	-10~24	-15~24
Piping Length (Min / Max)		m	3/15	-/15	3/20
Max Elevation Difference		m	7	7	10

Note:

- Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C DB/19°C WB
 - Outdoor Temperature 35°C DB/24°C WB
 Heating: - Indoor Temperature 20°C DB/15°C WB
 - Outdoor Temperature 7°C DB/6°C WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.0002931$$

$$\text{cfm} = \text{CMM} \times 35.3$$

4. Specifications

Model			AS-W186CRR3 AS-W186CWR3 AS-W186CVR3	AS-W186CNR3
Heat transfer (source /sink)	-	-	Air to Air	Air to Air
Type of appliance	-	-	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)
Cooling Capacity	kW	-	5.20	5.20
Heating Capacity	kW	-	6.30	6.30
Low Temp. Heating Capacity (-7°C)	kW	-	5.40	5.40
Power Input	Cooling /Heating	W	1500/1650	1500/1650
Running Current	Cooling /Heating	A	6.6/7.3	6.6/7.3
Starting Current	Cooling /Heating	A	6.6/7.3	6.6/7.3
Max Current	Cooling /Heating	A	7.8/9.4	7.8/9.4
SEER	W/W	-	5.7	5.7
SCOP	W/W	-	3.4	3.4
Energy efficiency class A(more efficient), G(less efficient)	Cooling /Heating	-	A+/A	A+/A
Annual energy consumption	Cooling /Heating	kWh	319/2594	319/2594
Power Supply	Ø / V / Hz	-	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	Indoor, Max	m³/min	19.0	19.0
	Outdoor, Max	m³/min	50	50
Moisture Removal		l/h	2.0	2.0
Sound Pressure Level	Indoor, H/M/L/Sleep	dB(A)±3	42/40/35/29	42/40/35/29
	Outdoor, Max	dB(A)±3	54	54
Sound Power Level	Indoor, Max	dB(A)±3	60	60
	Outdoor, Max	dB(A)±3	65	65
Refrigerant & Charge (at 7.5 m)		g	R410A, 1350	R410A, 1350
Additional Refrigerant charge		g/m	20	20
Compressor	Model	-	GKT141MBA	GKT141MBA
	Motor Type	-	Twin Rotary	Twin Rotary
	O.L.P. name	-	-	-
Fan(Indoor)	Type	-	Cros Flow Fan	Cros Flow Fan
	Motor Type	-	BLDC	BLDC
	Motor output	W	49	49
Fan(Outdoor)	Type	-	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC
	Motor output	W	85	85
Circuit Breaker		A	20	20
Power Supply Cable		N x mm²	3*1.5	3*1.5
Power and Transmission Cable N x mm²		N x mm²	4 x 1.0 (Including Earth)	4*1.0 (Including Earth)
Piping Connections	Liquid Side	mm	6.35	6.35
	Gas Side	mm	12.7	12.7
	Drain Hose	mm	21.5	21.5
Dimensions	Indoor (WxHxD)	mm	1030*325*245	1030*325*245
	Outdoor (WxHxD)	mm	870*655*320	870*655*320
Net Weight	Indoor	kg	15.5	15.5
	Outdoor	kg	49.0	49.0
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48
	Heating(Outdoor)	°C	-15~24	-15~24
Piping Length (Min / Max)		m	-/20	-/20
Max Elevation Difference		m	10	10

Note:

- Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C DB/19°C WB
 - Outdoor Temperature 35°C DB/24°C WB
 Heating: - Indoor Temperature 20°C DB/15°C WB
 - Outdoor Temperature 7°C DB/6°C WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.0002931$$

$$\text{cfm} = \text{CMM} \times 35.3$$

4. Specifications

Model			AS-W186C8A0	AS-W246DSB0
Heat transfer (source /sink)		-	Air to Air	Air to Air
Type of appliance		-	Cooling/Heating (Inverter heat pump)	Cooling/Heating (Inverter heat pump)
Cooling Capacity		kW	5.20	7.03
Heating Capacity		kW	6.30	8.44
Low Temp. Heating Capacity (-7°C)		kW	5.40	7.50
Power Input	Cooling /Heating	W	1500/1650	2190/2330
Running Current	Cooling /Heating	A	6.6/7.3	9.5/10.1
Starting Current	Cooling /Heating	A	6.6/7.3	9.5/10.1
Max Current	Cooling /Heating	A	7.8/9.4	13.0/14.0
SEER		W/W	5.7	5.9
SCOP		W/W	3.4	3.5
Energy efficiency class A(more efficient), G(less efficient)	Cooling /Heating	-	A+/A	A+/A
Annual energy consumption	Cooling /Heating	kWh	319/2594	417/3360
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate	Indoor, Max	m³/min	19.0	26.0
	Outdoor, Max	m³/min	50	60
Moisture Removal		l/h	2.0	2.8
Sound Pressure Level	Indoor, H/M/L/Sleep	dB(A)±3	42/40/35/29	49/44/39/37
	Outdoor, Max	dB(A)±3	54	56
Sound Power Level	Indoor, Max	dB(A)±3	60	65
	Outdoor, Max	dB(A)±3	65	70
Refrigerant & Charge (at 7.5 m)		g	R410A, 1350	R410A, 2000
Additional Refrigerant charge		g/m	20	35
Compressor	Model	-	GKT141MBA	GJT240MBA
	Motor Type	-	Twin Rotary	Twin Rotary
	O.L.P. name	-	-	-
Fan(Indoor)	Type	-	Cros Flow Fan	Cros Flow Fan
	Motor Type	-	BLDC	BLDC
	Motor output	W	49	30
Fan(Outdoor)	Type	-	Propeller, Fan	Propeller, Fan
	Motor Type	-	BLDC	BLDC
	Motor output	W	85	124
Circuit Breaker		A	20	25
Power Supply Cable		N x mm²	3*1.5	3*2.5
Power and Transmission Cable N x mm²		N x mm²	4*1.0 (Including Earth)	4*1.0 (Including Earth)
Piping Connections	Liquid Side	mm	6.35	9.52
	Gas Side	mm	12.7	15.88
	Drain Hose	mm	21.5	21.5
Dimensions	Indoor (WxHxD)	mm	1030*325*250	1209*346*237
	Outdoor (WxHxD)	mm	870*655*320	870*808*320
Net Weight	Indoor	kg	15.5	18.0
	Outdoor	kg	49.0	58.0
Operation Range	Cooling(Outdoor)	°C	-10~48	-10~48
	Heating(Outdoor)	°C	-15~24	-15~24
Piping Length (Min / Max)		m	-/20	-/30
Max Elevation Difference		m	10	15

Note:

- Capacities are based on the following conditions:
 Cooling: - Indoor Temperature 27°C DB/19°C WB
 - Outdoor Temperature 35°C DB/24°C WB
 Heating: - Indoor Temperature 20°C DB/15°C WB
 - Outdoor Temperature 7°C DB/6°C WB
 Piping Length - Interconnecting Piping Length 7.5m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

$$\text{kW} = \text{Btu/h} \times 0.0002931$$

$$\text{cfm} = \text{CMM} \times 35.3$$

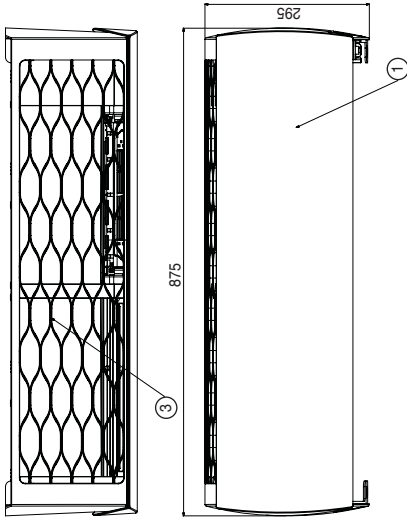
Inverter Single

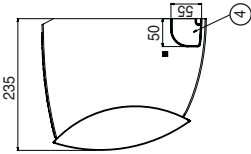
5. Dimensional drawings

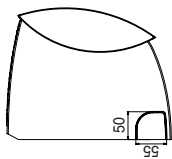
5.1 Indoor Units

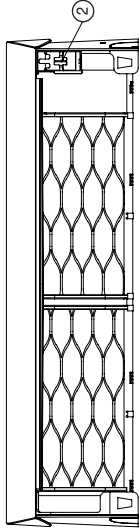
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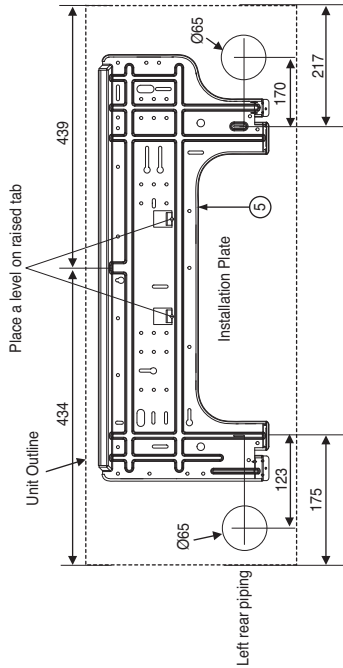
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Knockout hole	For pipe and cable
5	Installation Plate	












[Unit : mm]

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.

CHASSIS CODE : SM



LG Electronics

5. Dimensional drawings

Standard / Deluxe

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]

LG Electronics

CHASSIS CODE : SB

Inverter Single

5. Dimensional drawings

Standard / Deluxe

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

5. Dimensional drawings

Standard

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

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]

LG Electronics

CHASSIS CODE : SD

Inverter Single

5. Dimensional drawings

ARTCOOL

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

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]

LG Electronics

CHASSIS CODE : SB

5. Dimensional drawings

ARTCOOL

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

245

1030

325

29

[Unit : mm]

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.

CHASSIS CODE : SC

Inverter Single

5. Dimensional drawings

ARTCOOL Gallery

Item No.	Part Name	Remark
1	Front panel	
2	Display & signal receiver	
3	Air discharge grille	
4	Knockout hole	For pipe and cable

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.


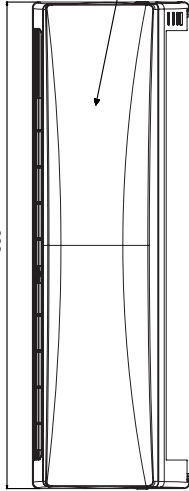
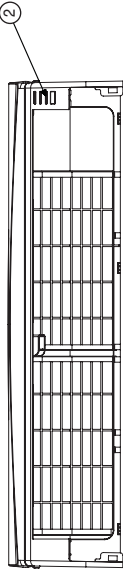
[Unit : mm]

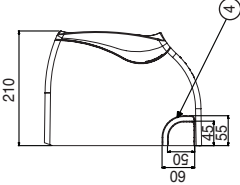
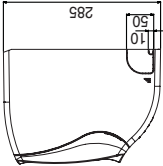
LG Electronics

CHASSIS CODE : SF

5. Dimensional drawings

Econo

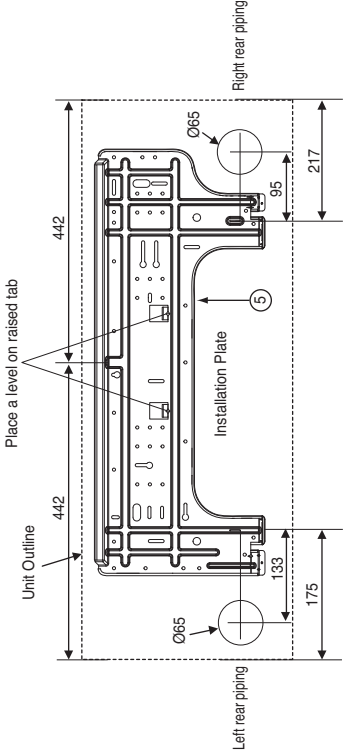




No.	Part Name	Remark
1	Front panel	
2	Display & signal receiver	
3	Air suction grille	
4	Knockout hole	For pipe and cable
5	Installation plate	

Note

- The unit should not be installed in a closed area.
- In an area or space having no proper circulation, an air guide should be installed on the outdoor side.

[Unit : mm]





LG Electronics

CHASSIS CODE: SB

Inverter Single

5. Dimensional drawings

5.2 Outdoor Units

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

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	

[Unit : mm]

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.

LG Electronics

CHASSIS CODE : UE

Inverter Single

5. Dimensional drawings

Outdoor Unit

No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & Transmission connection
5	Earth screw
6	SVC valve cover

[Unit : mm]

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.

CHASSIS CODE : UE1+

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	

[Unit : mm]

LG Electronics

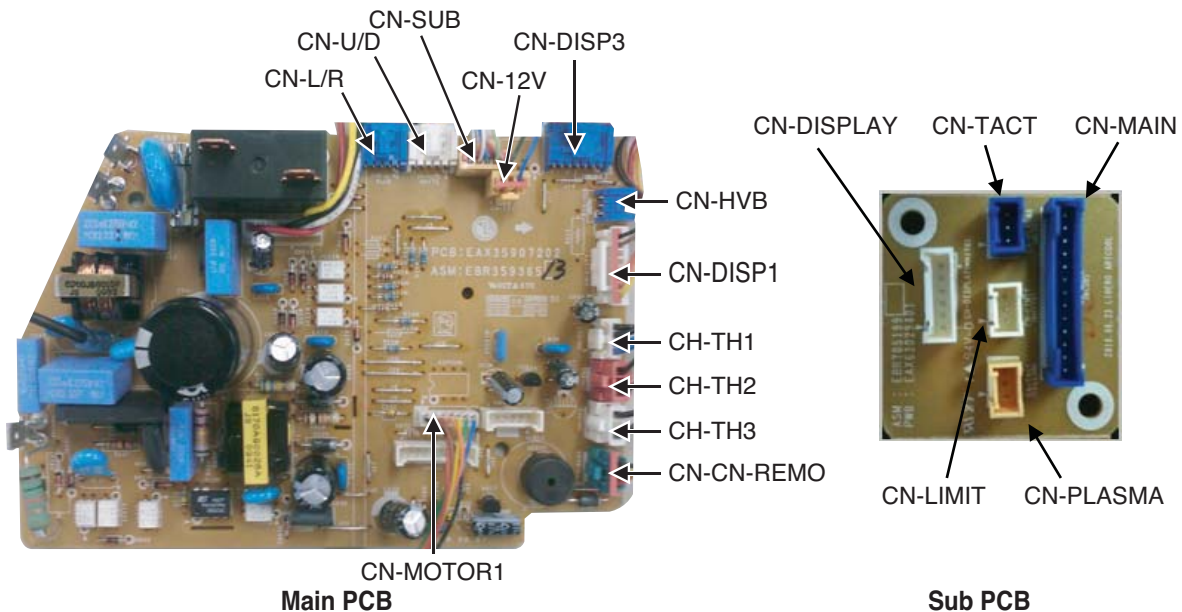
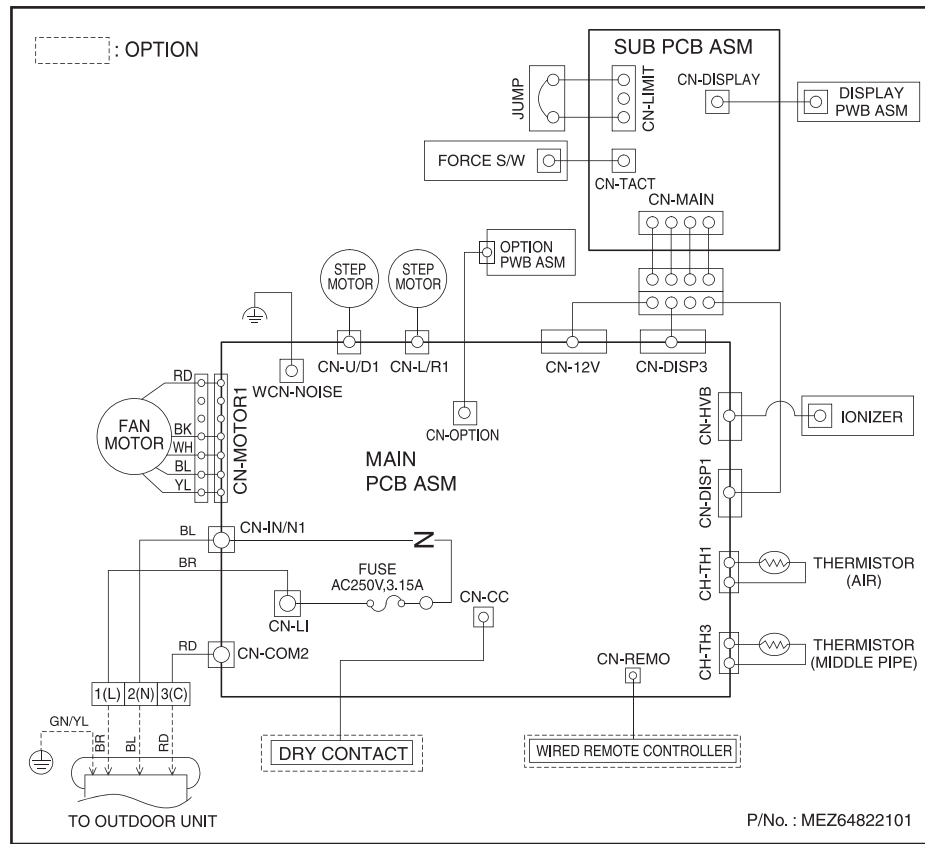
CHASSIS CODE : UA3

Inverter Single

6. Wiring diagrams

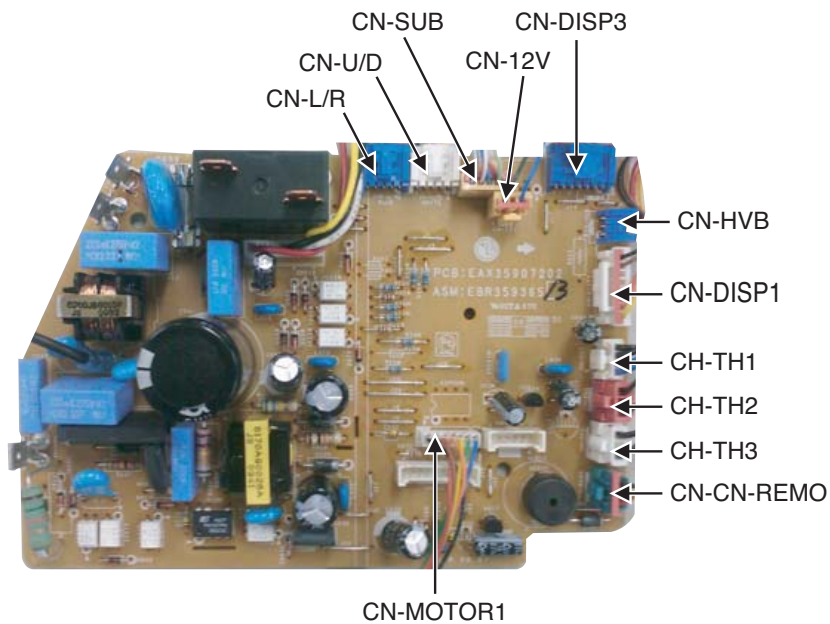
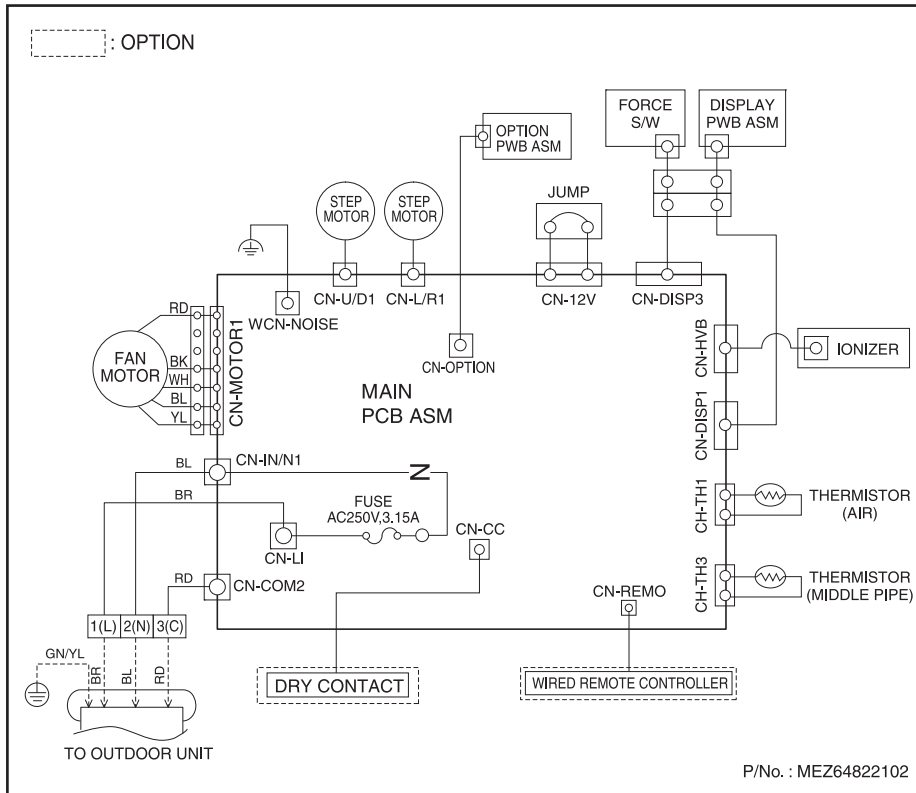
6.1 Indoor units

Model : ASNW096BRR3, ASNW096BWR3, ASNW096BVR3 , ASNW126BRR3, ASNW126BRW3, ASNW126BVR3



6. Wiring diagrams

Model : ASNW096BNR3, ASNW126BNR3

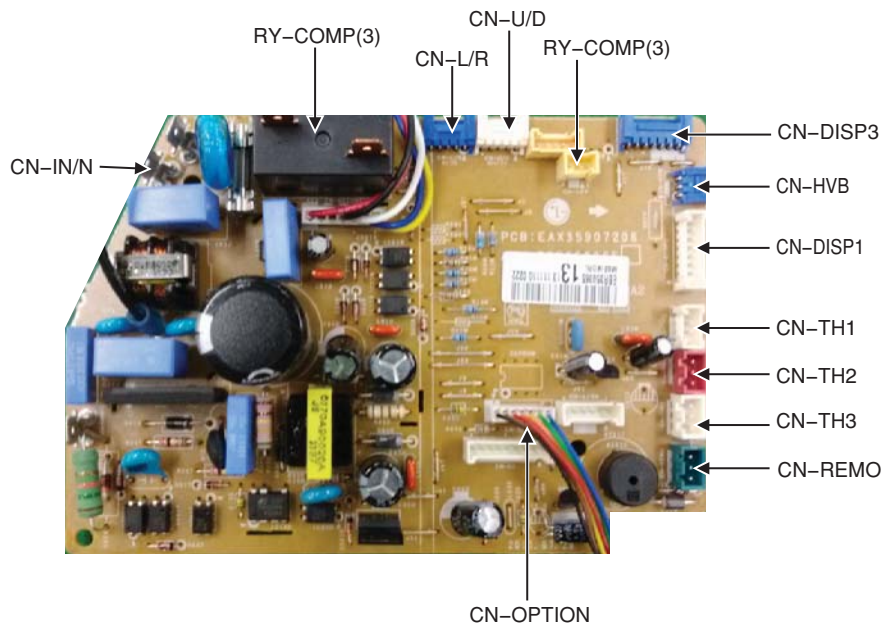
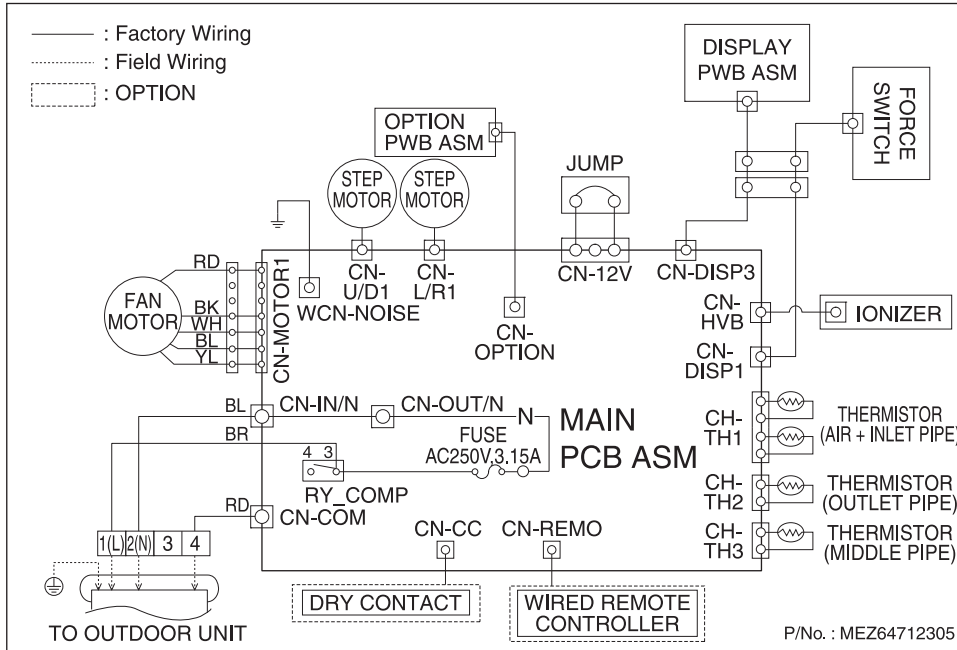


Main PCB

Inverter Single

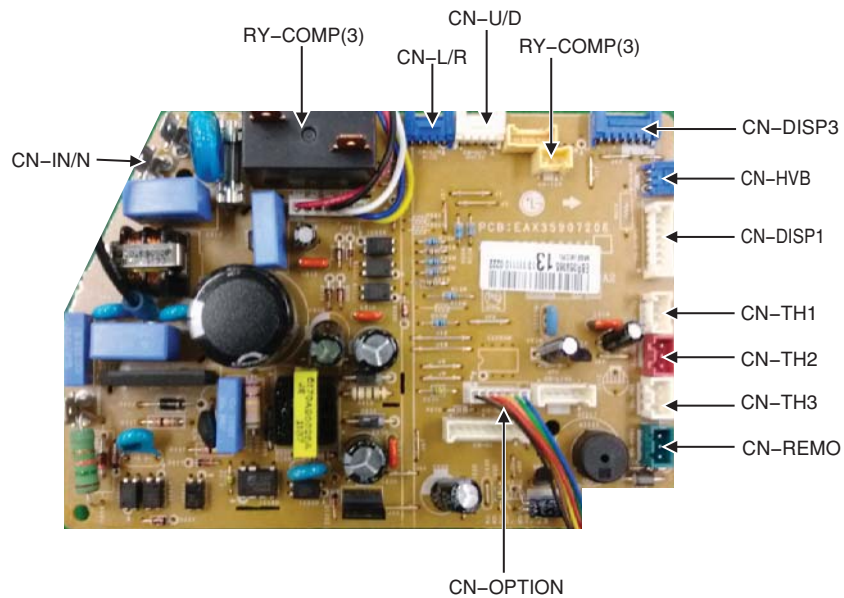
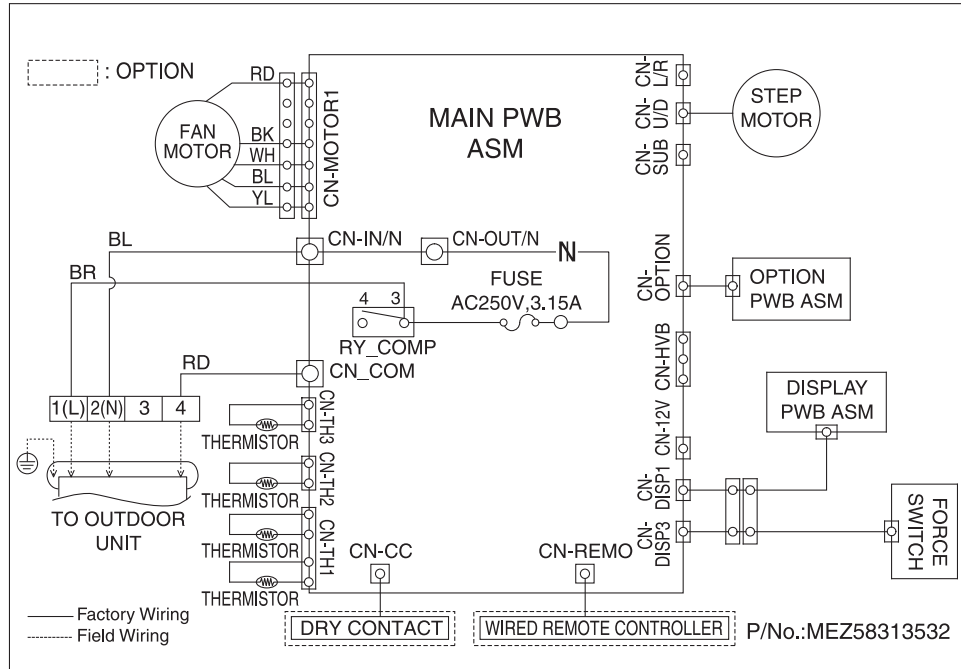
6. Wiring diagrams

Model : ASNW186BRR3, ASNW186BWR3, ASNW186BVR3, ASNW186BNR3



6. Wiring diagrams

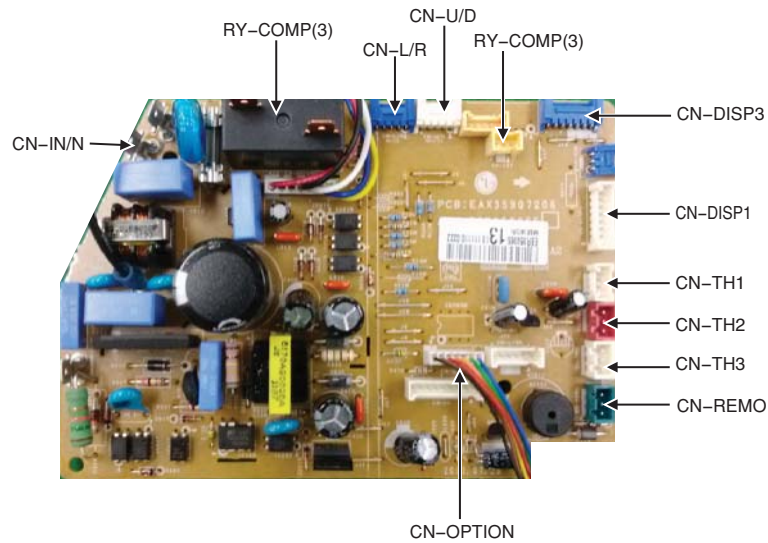
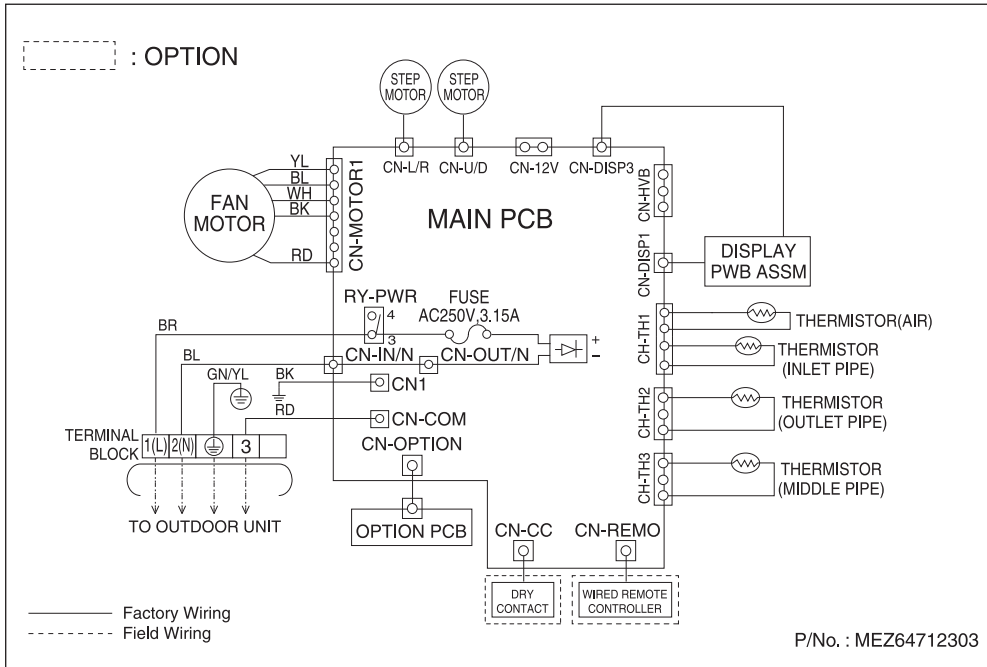
Model : ASNW186C8A0



Inverter Single

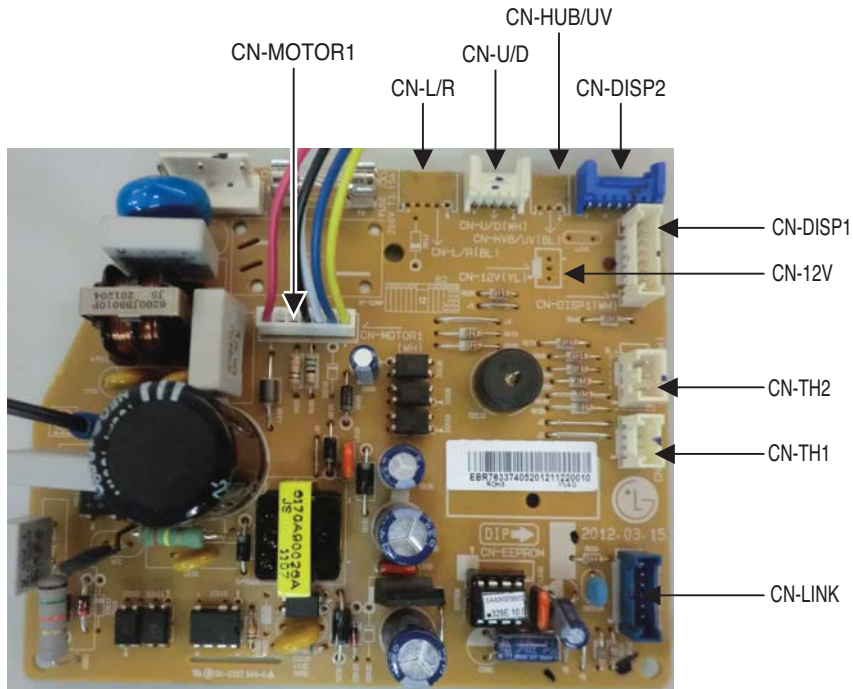
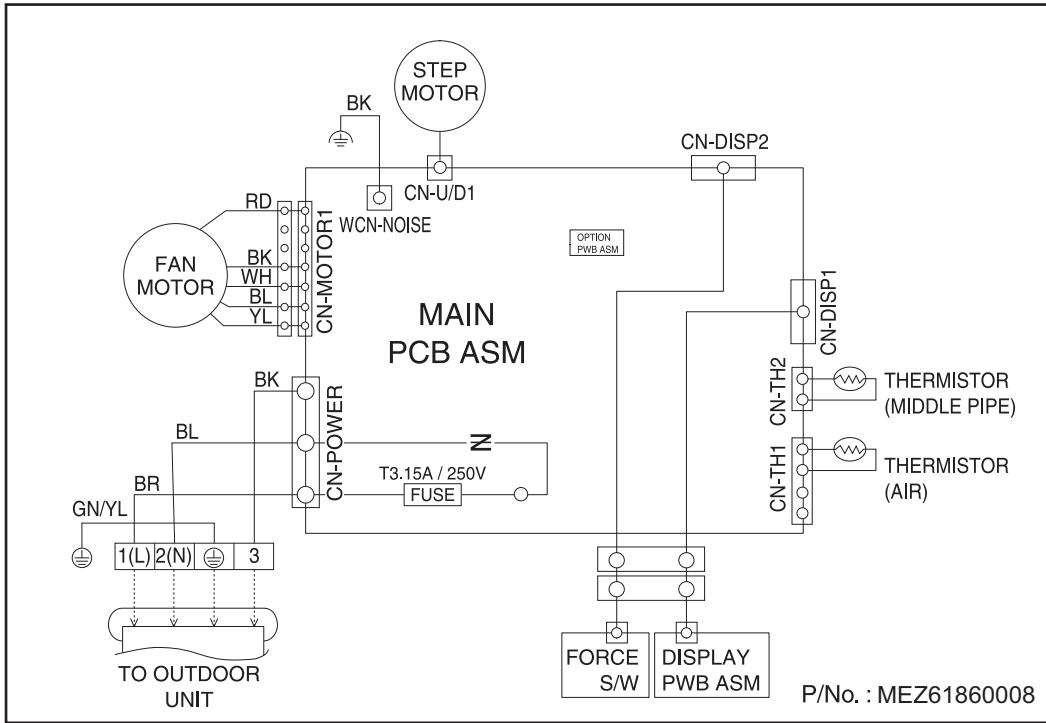
6. Wiring diagrams

Model : ASNW246DSB0



6. Wiring diagrams

Model : USNW096B4A0, USNW126B4A0

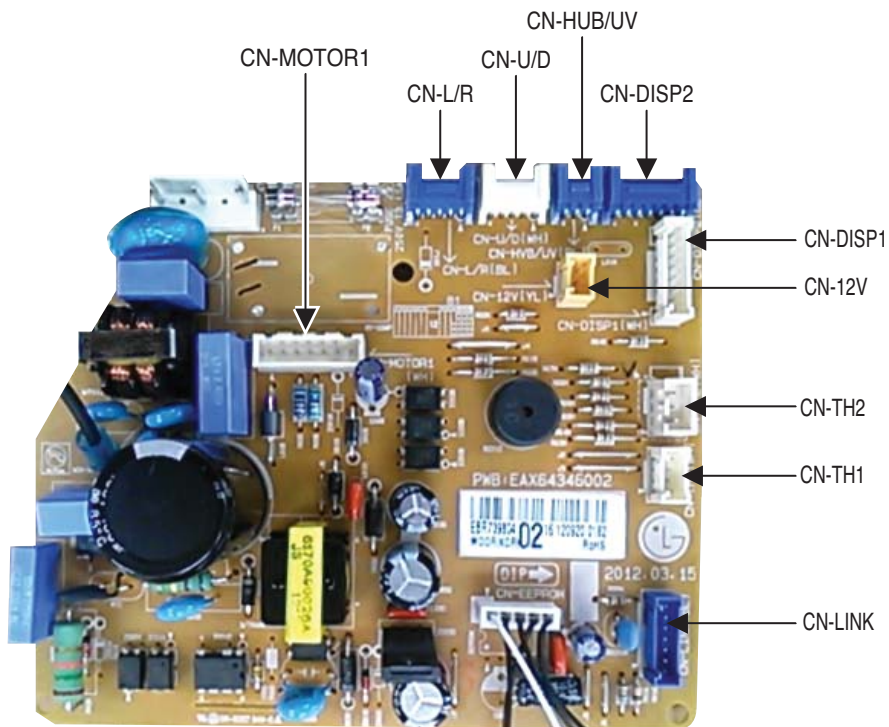
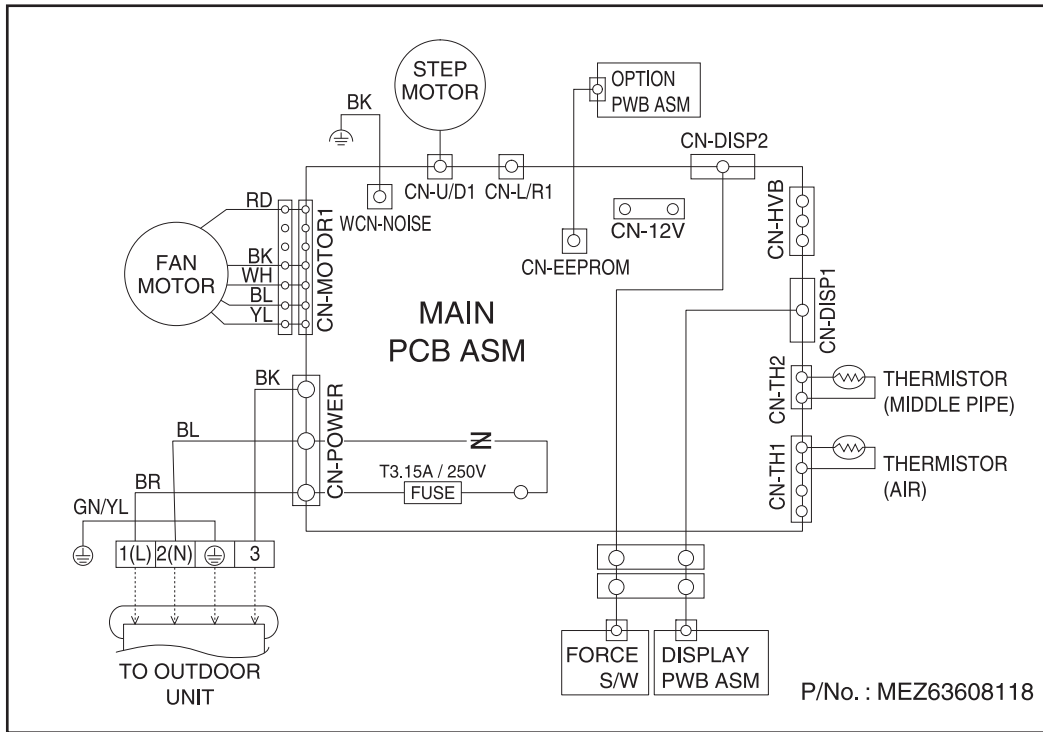


MAIN PCB

Inverter Single

6. Wiring diagrams

Model : ASNW096B8A0 (USNW096B8A0), ASNW126B8A0 (USNW126B8A0)

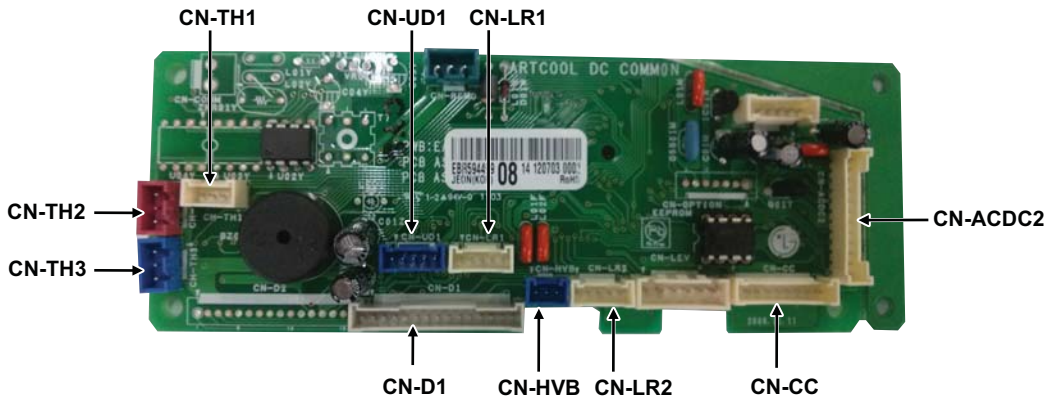
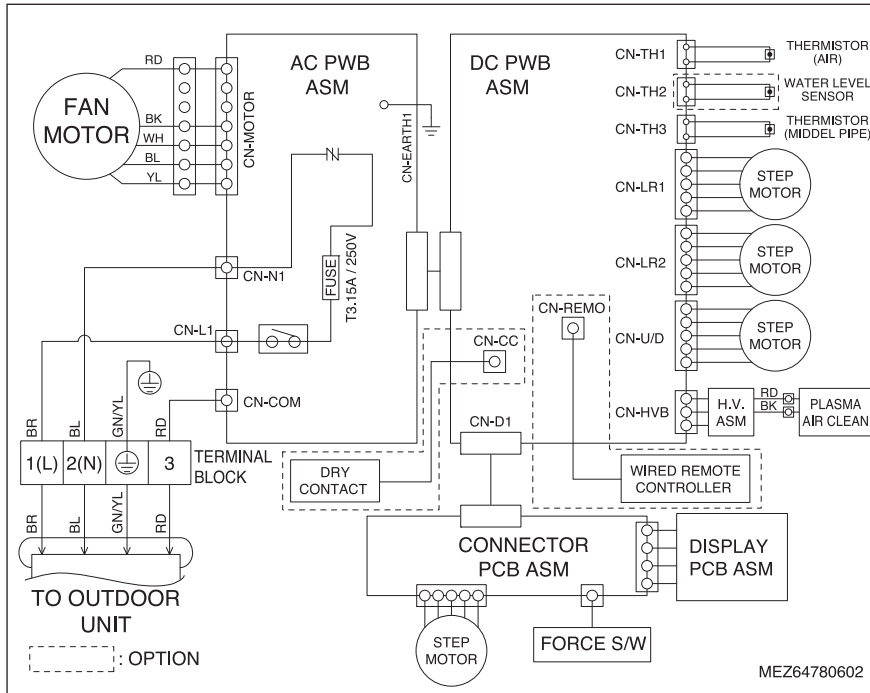


MAIN PCB

Inverter Single

6. Wiring diagrams

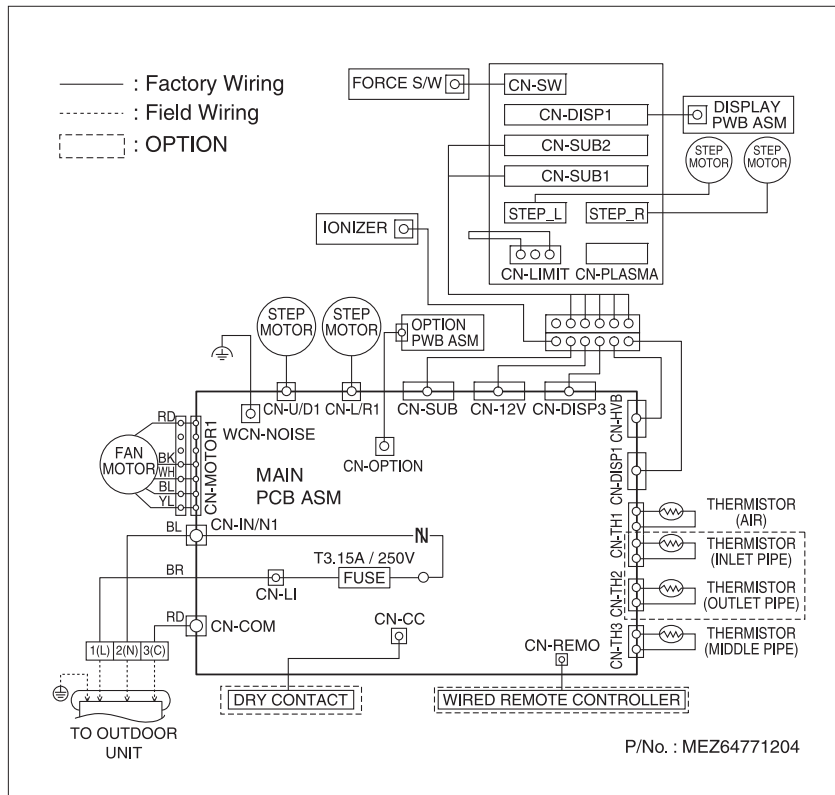
Model : ASNW096F1G3, ASNW126F1G3



Inverter Single

6. Wiring diagrams

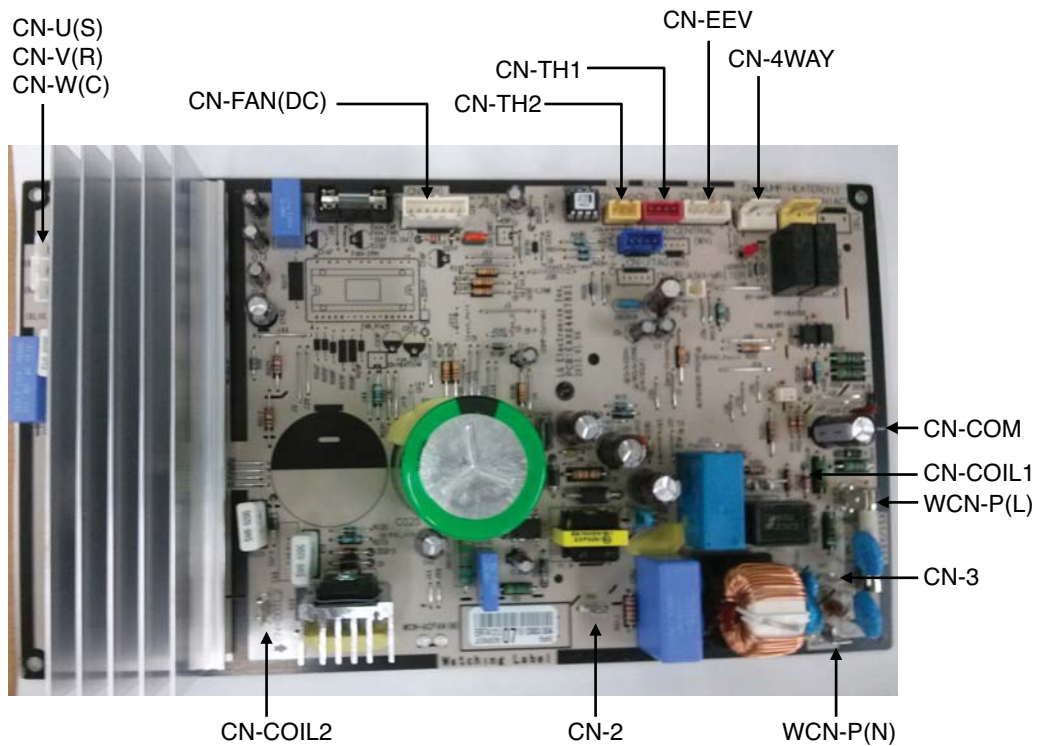
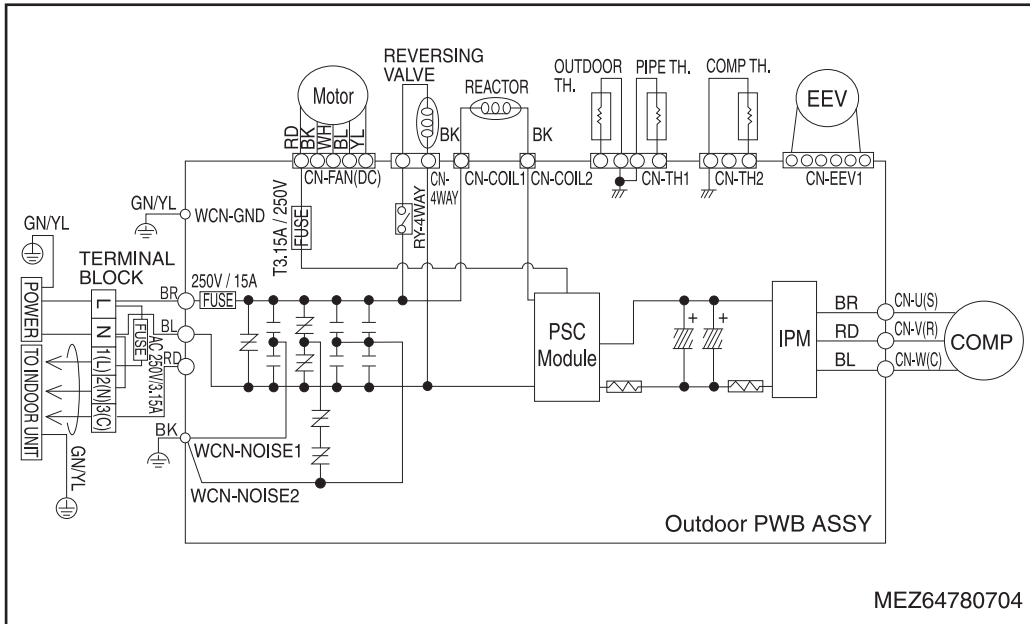
Model : ASNW096MMS3, ASNW126MMS3



6. Wiring diagrams

6.2 Outdoor units

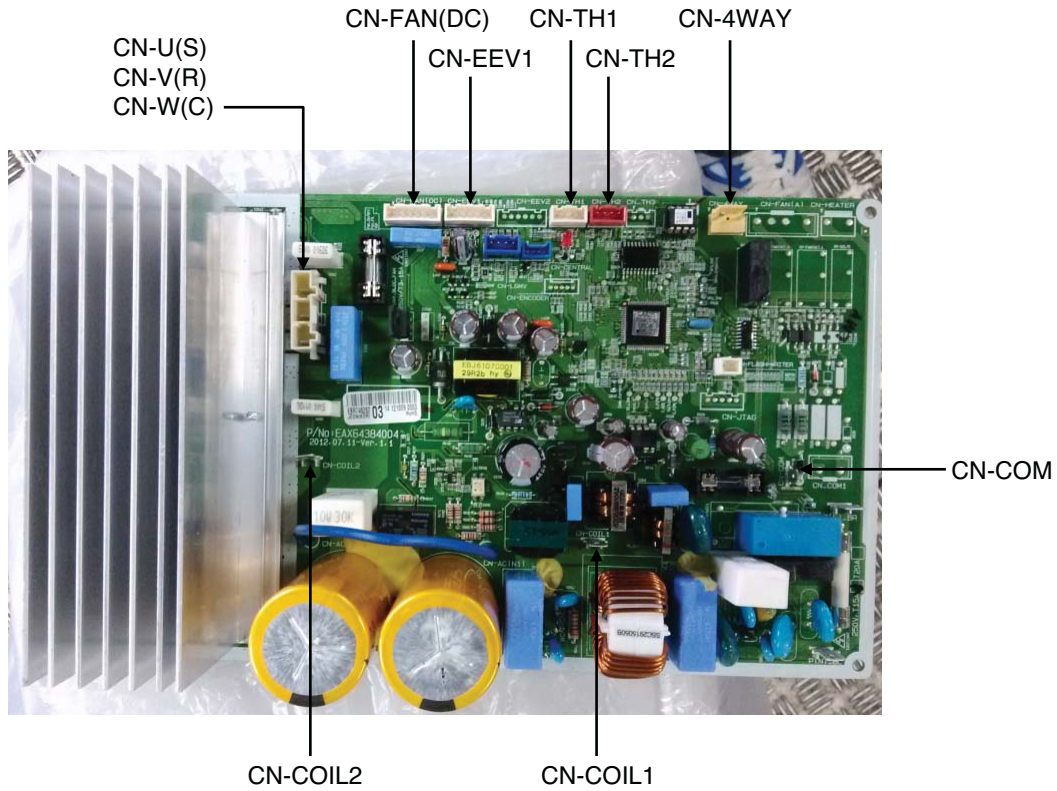
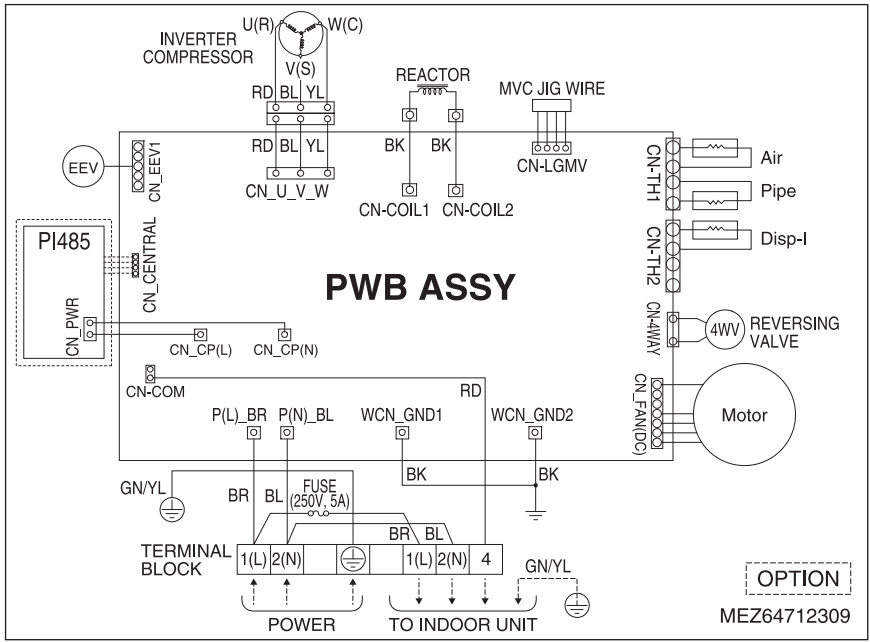
Model : ASUW096BRR3, ASUW096BWR3, ASUW096BVR3, ASUW096BNR3, ASUW126BRR3, ASUW126BRW3, ASUW126BVR3, ASUW126BNR3



Inverter Single

6. Wiring diagrams

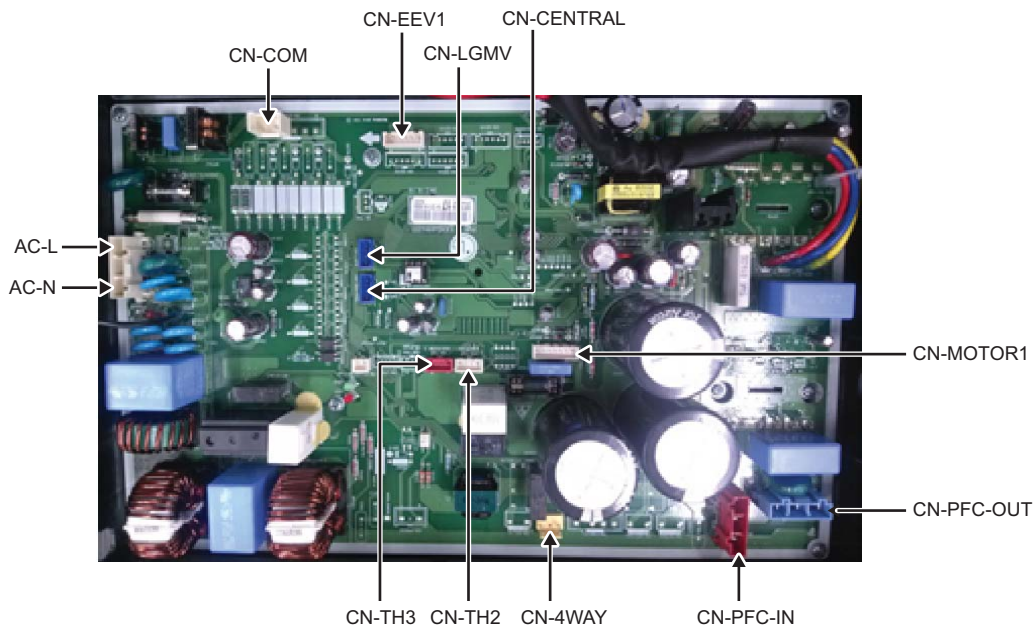
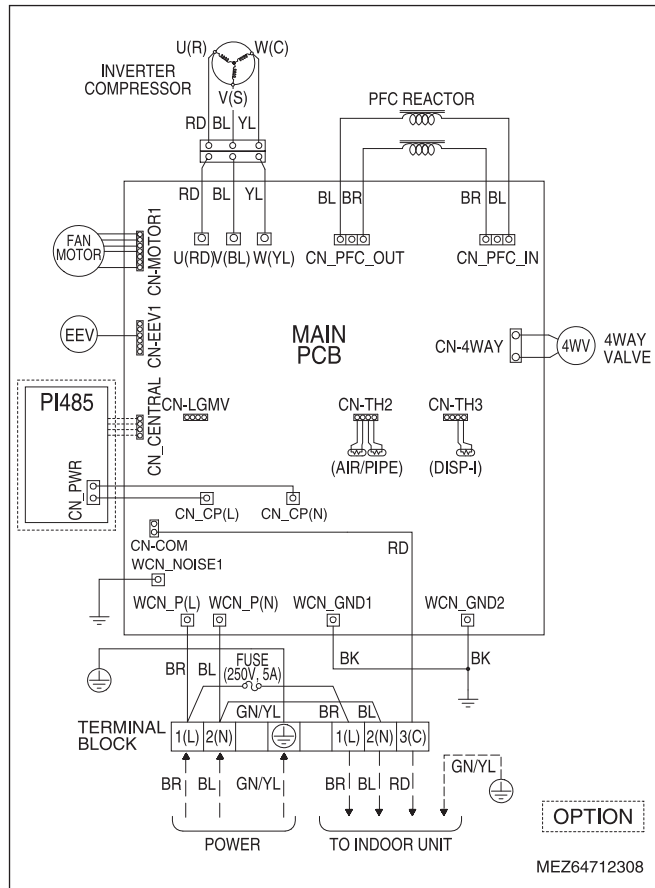
Model : ASUW186BRR3, ASUW186BWR3, ASUW186BVR3, ASUW186BNR3, ASUW186C8A0



Inverter Single

6. Wiring diagrams

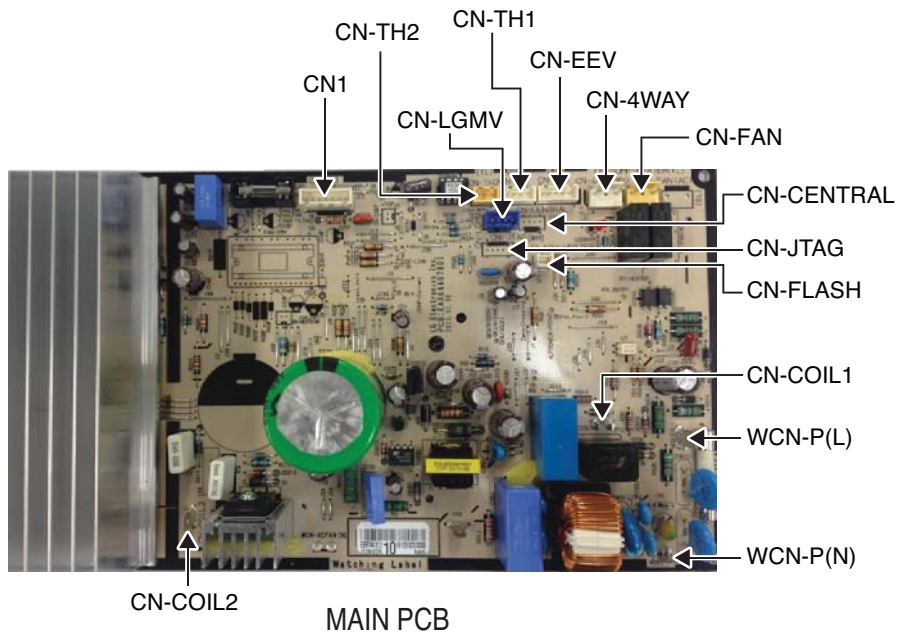
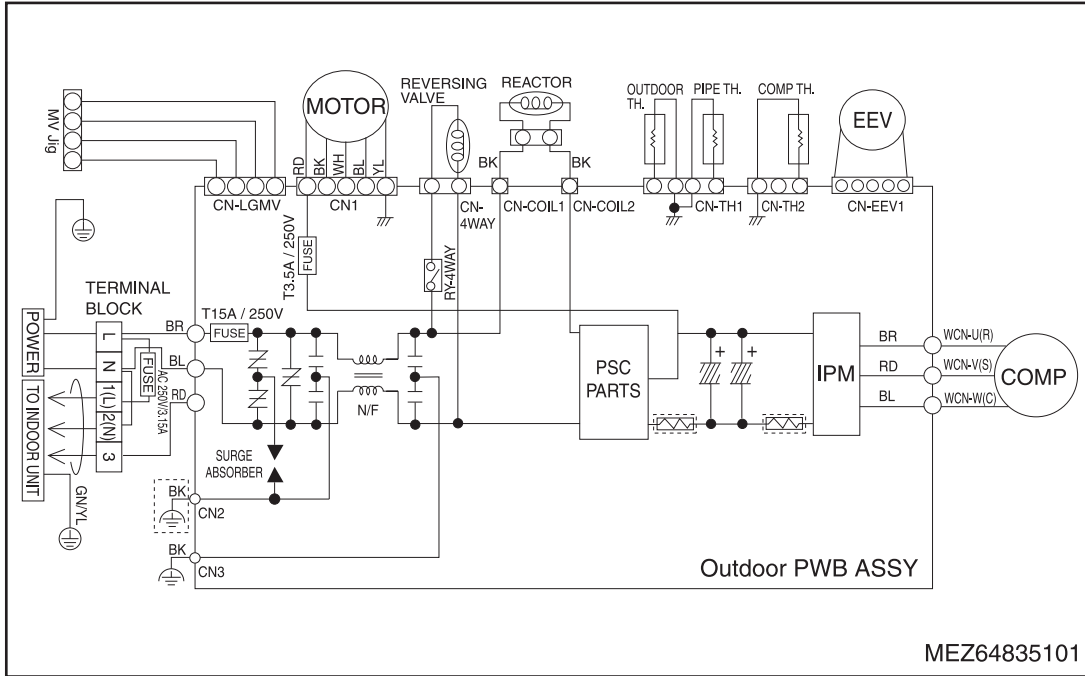
Model : ASUW246DSB0



Inverter Single

6. Wiring diagrams

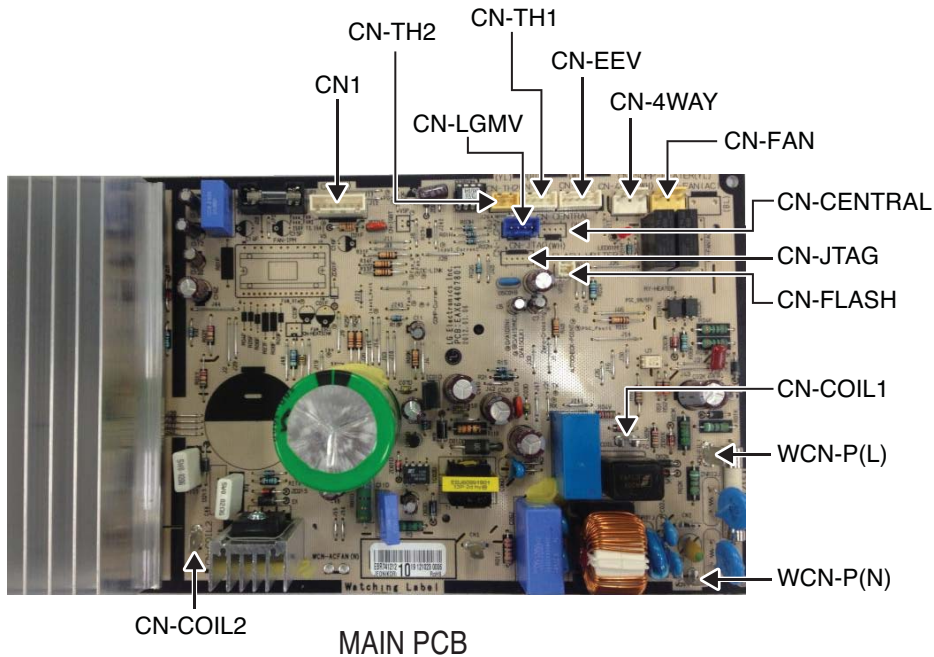
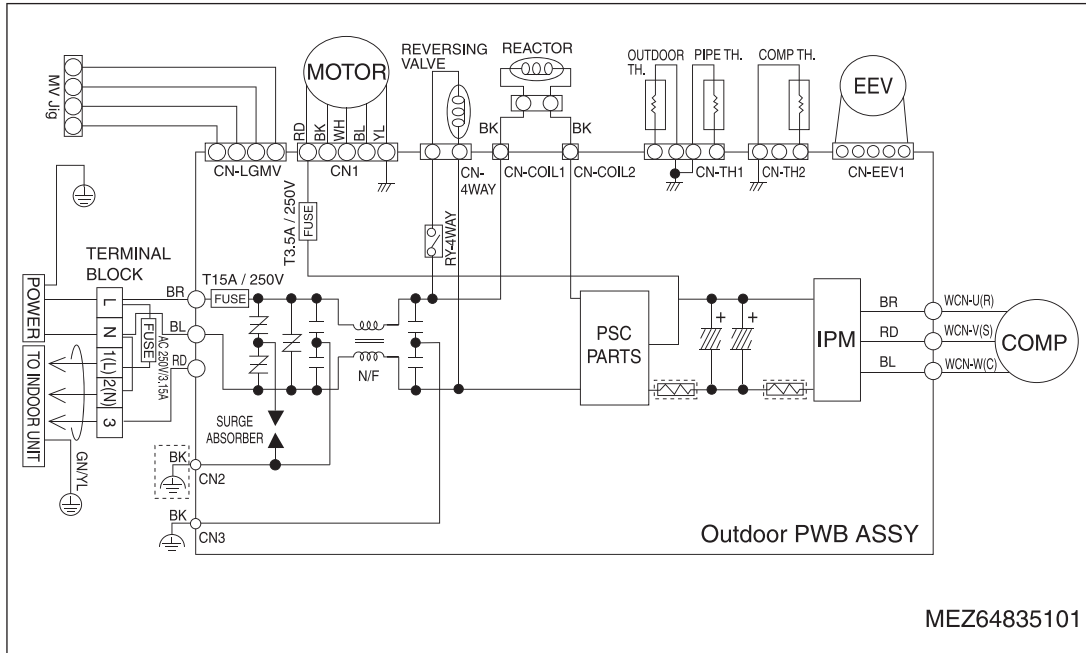
Model : USUW096B4A0, USUW126B4A0



Inverter Single

6. Wiring diagrams

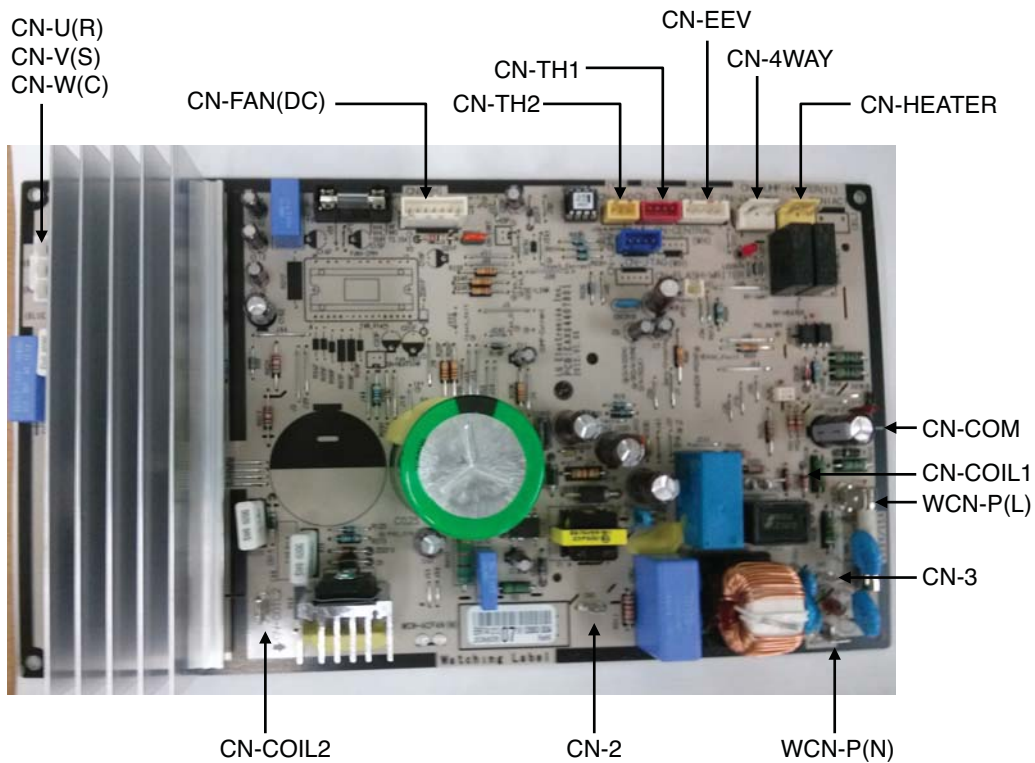
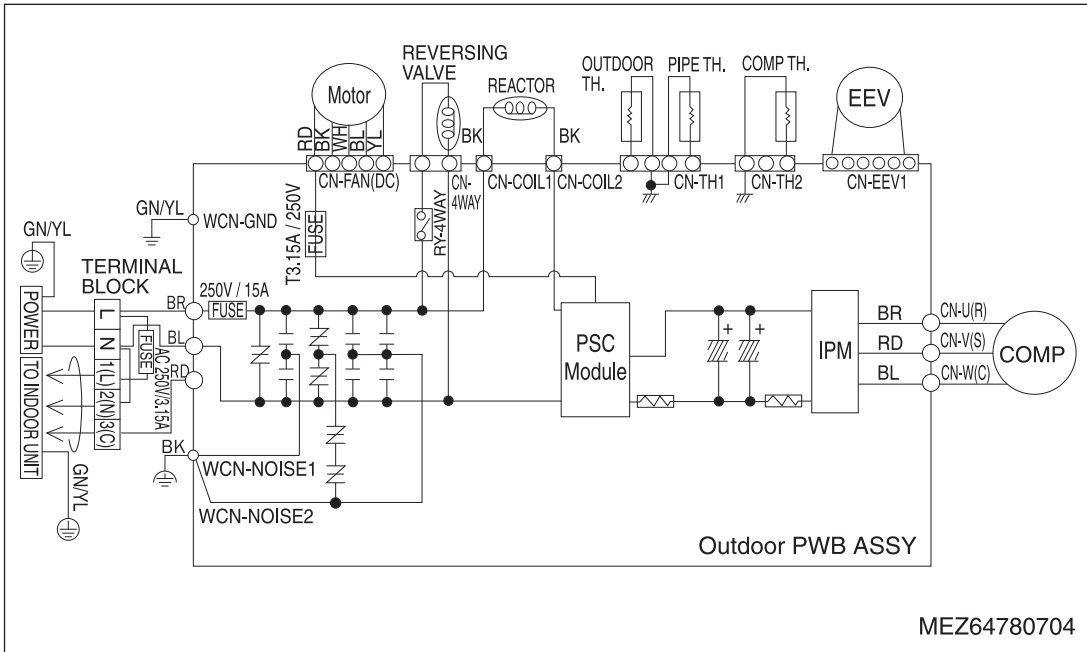
Model : ASUW096B8A0 (USUW096B8A0), ASUW126B8A0 (USUW126B8A0)



Inverter Single

6. Wiring diagrams

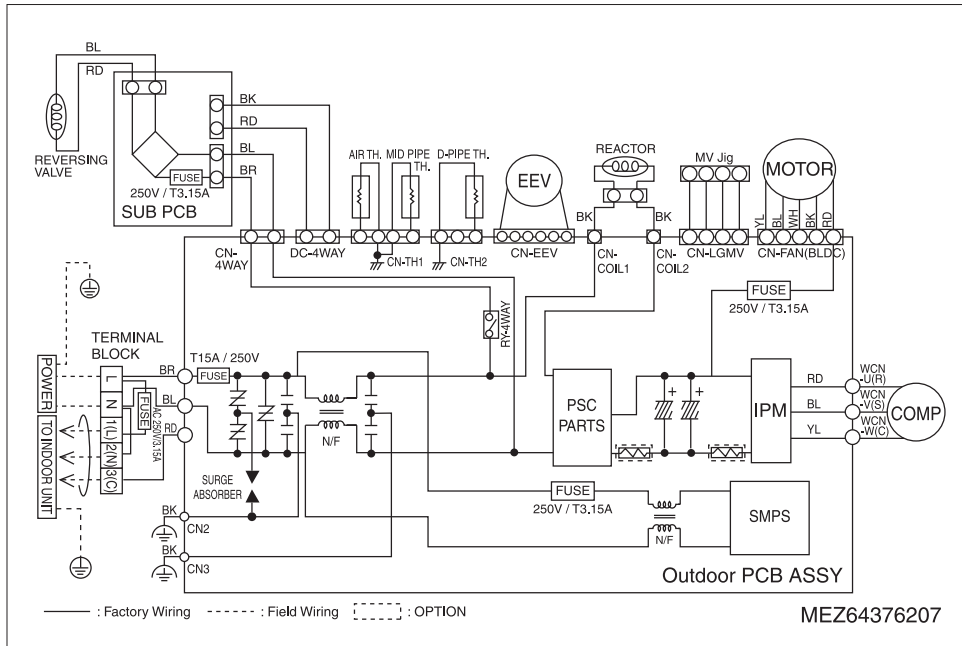
Model : ASUW096FUG3, ASUW126FUG3



Inverter Single

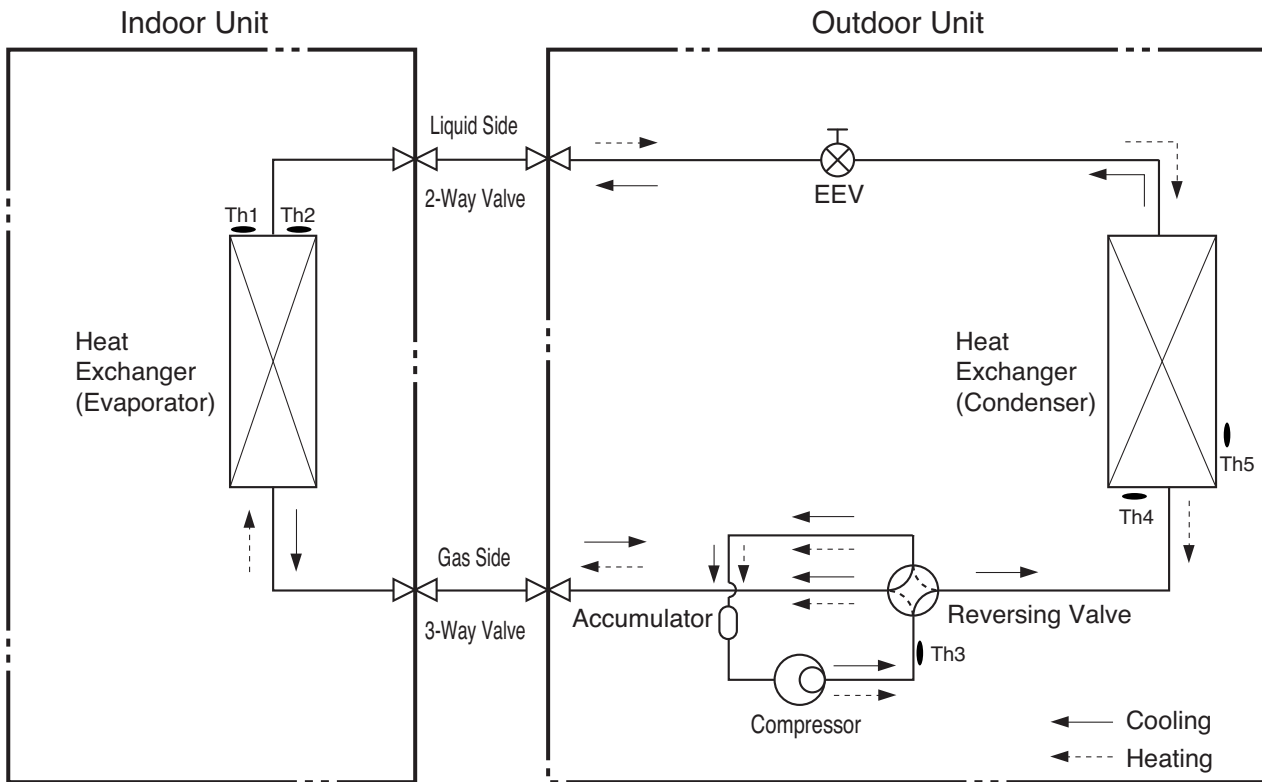
6. Wiring diagrams

Model : ASUW096MMS3, ASUW126MMS3



7. Refrigerant cycle diagrams

Model : AS-W096BRR3, AS-W096BWR3, AS-W096BVR3, AS-W096BNR3, AS-W126BRR3, AS-W126BRW3, AS-W126BVR3, AS-W126BNR3

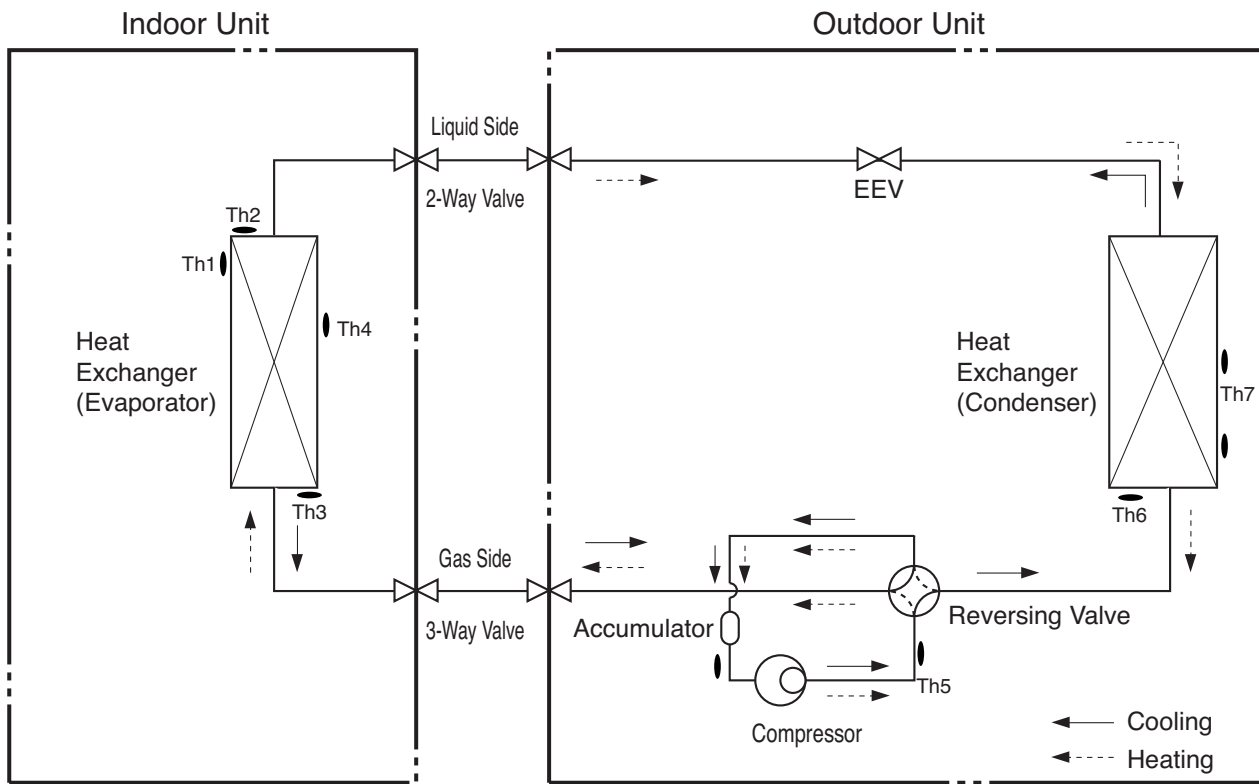


LOC	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CH_TH1(INDOOR)
Th2	Thermistor for evaporating temperature	CH_TH3(INDOOR)
Th3	Thermistor for discharge pipe temperature	CN_TH2(OUTDOOR)
Th4	Thermistor for condensing temperature	CN_TH1(OUTDOOR)
Th5	Thermistor for outdoor air temperature	

* EEV : Electronic Expansion Valve.

7. Refrigerant cycle diagrams

Model : AS-W186BRR3, AS-W186BWR3, AS-W186BVR3, AS-W186BNR3 , AS-W186C8A0



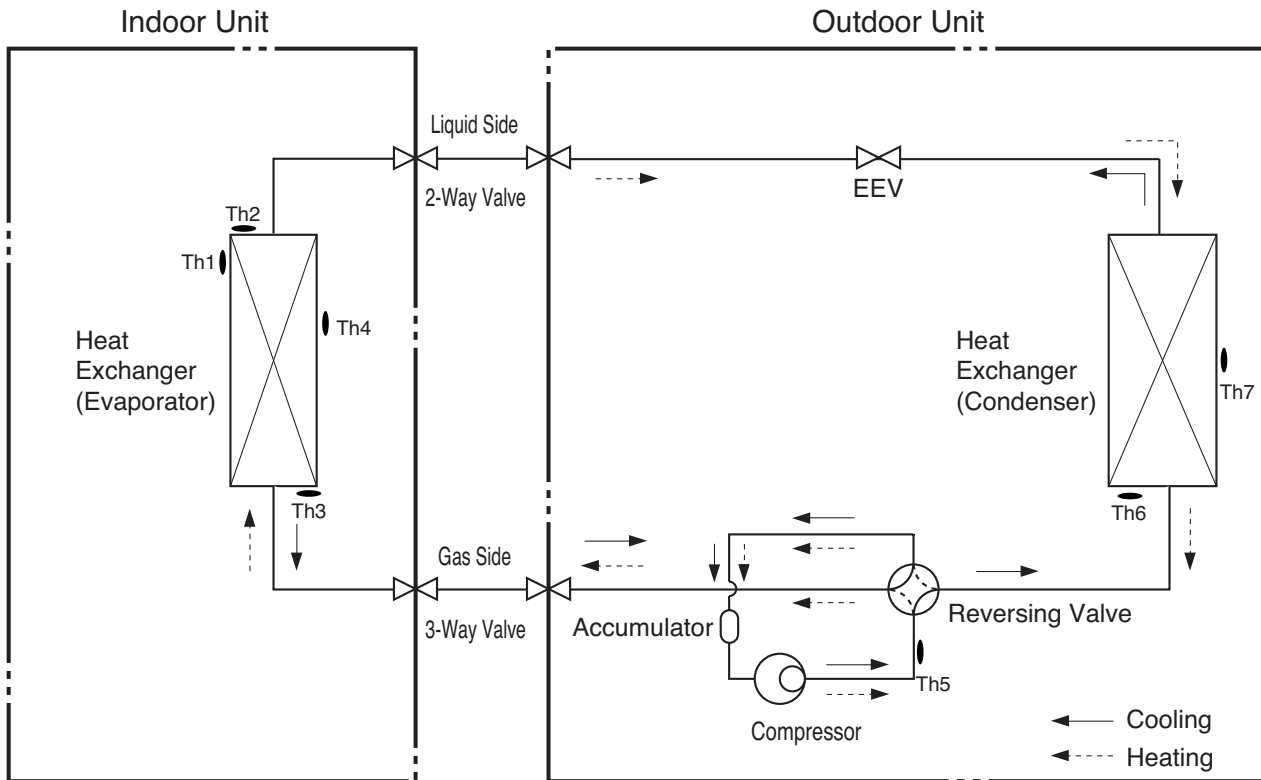
LOC.	Description	PCB Connector
Th1	Thermistor for suction air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator inlet temperature	
Th3	Thermistor for evaporator outlet temperature	CN-TH2(Indoor)
Th4	Thermistor for evaporator middle temperature	CN-TH3(Indoor)
Th5	Thermistor for discharge pipe temperature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

※ EEV : Electronic Expansion Valve

Inverter Single

7. Refrigerant cycle diagrams

Model : AS-W246DSB0

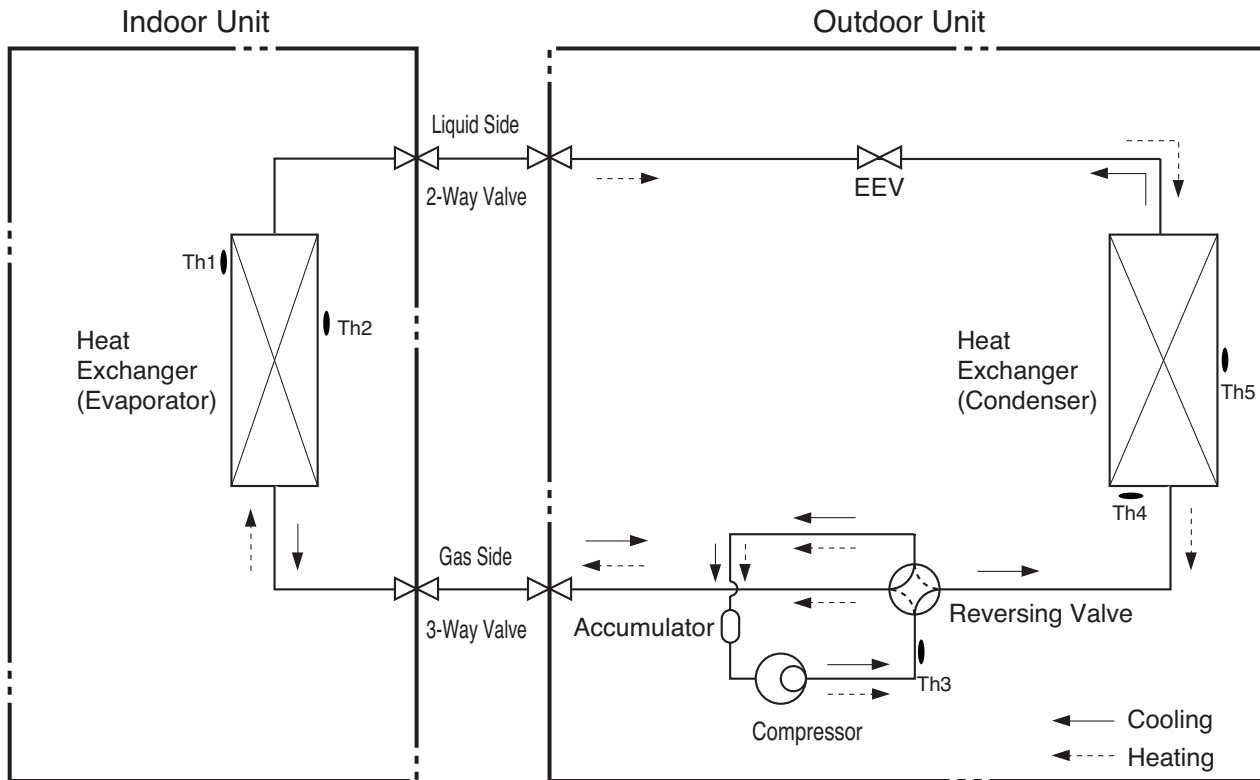


LOC.	Description	PCB Connector
Th1	Thermistor for suction air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator inlet temperature	
Th3	Thermistor for evaporator outlet temperature	CN-TH2(Indoor)
Th4	Thermistor for evaporator middle temperature	CN-TH3(Indoor)
Th5	Thermistor for discharge pipe temperature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

※ EEV : Electronic Expansion Valve

7. Refrigerant cycle diagrams

Model : US-W096B4A0, US-W126B4A0



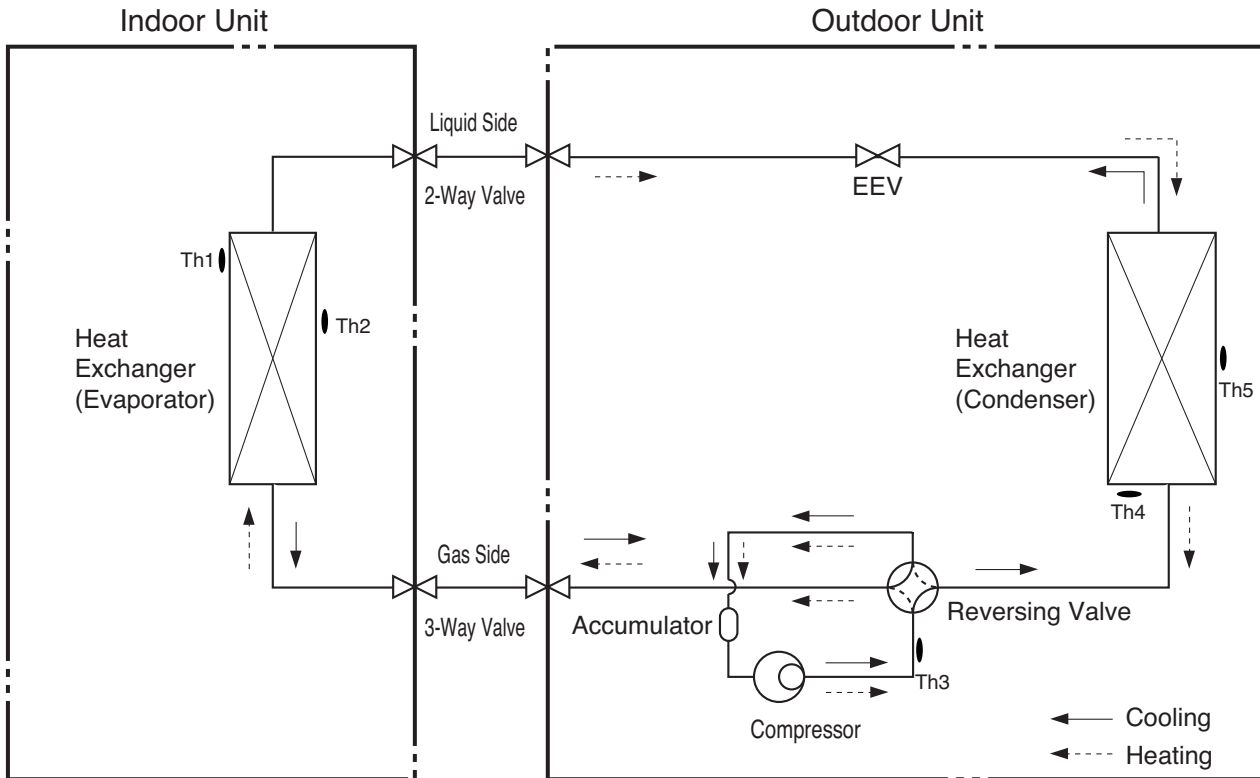
LOC.	Description	PCB Connector
Th1	Thermistor for air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator middle temperature	CN-TH2(Indoor)
Th3	Thermistor for discharge pipe temperature	CN-TH2(OUTDOOR)
Th4	Thermistor for condensing temperature	CN-TH1(OUTDOOR)
Th5	Thermistor for outdoor air temperature	CN-TH1(OUTDOOR)

* EEV : Electronic Expansion Valve

Inverter Single

7. Refrigerant cycle diagrams

Model : AS-W096B8A0 (US-W096B8A0), AS-W126B8A0 (US-W126B8A0)

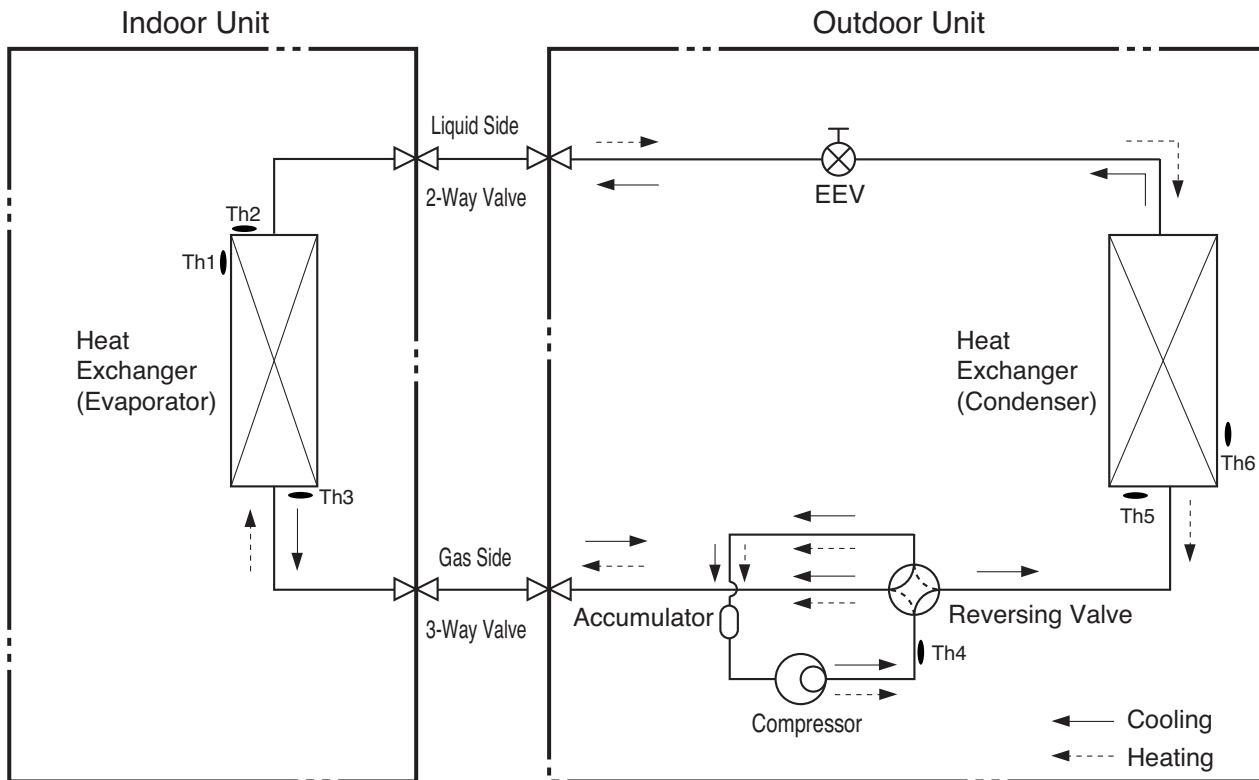


LOC.	Description	PCB Connector
Th1	Thermistor for air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator middle temperature	CN-TH2(Indoor)
Th3	Thermistor for discharge pipe temperature	CN-TH2(OUTDOOR)
Th4	Thermistor for condensing temperature	CN-TH1(OUTDOOR)
Th5	Thermistor for outdoor air temperature	CN-TH1(OUTDOOR)

* EEV : Electronic Expansion Valve

7. Refrigerant cycle diagrams

Model : AS-W096F1G3, AS-W126F1G3



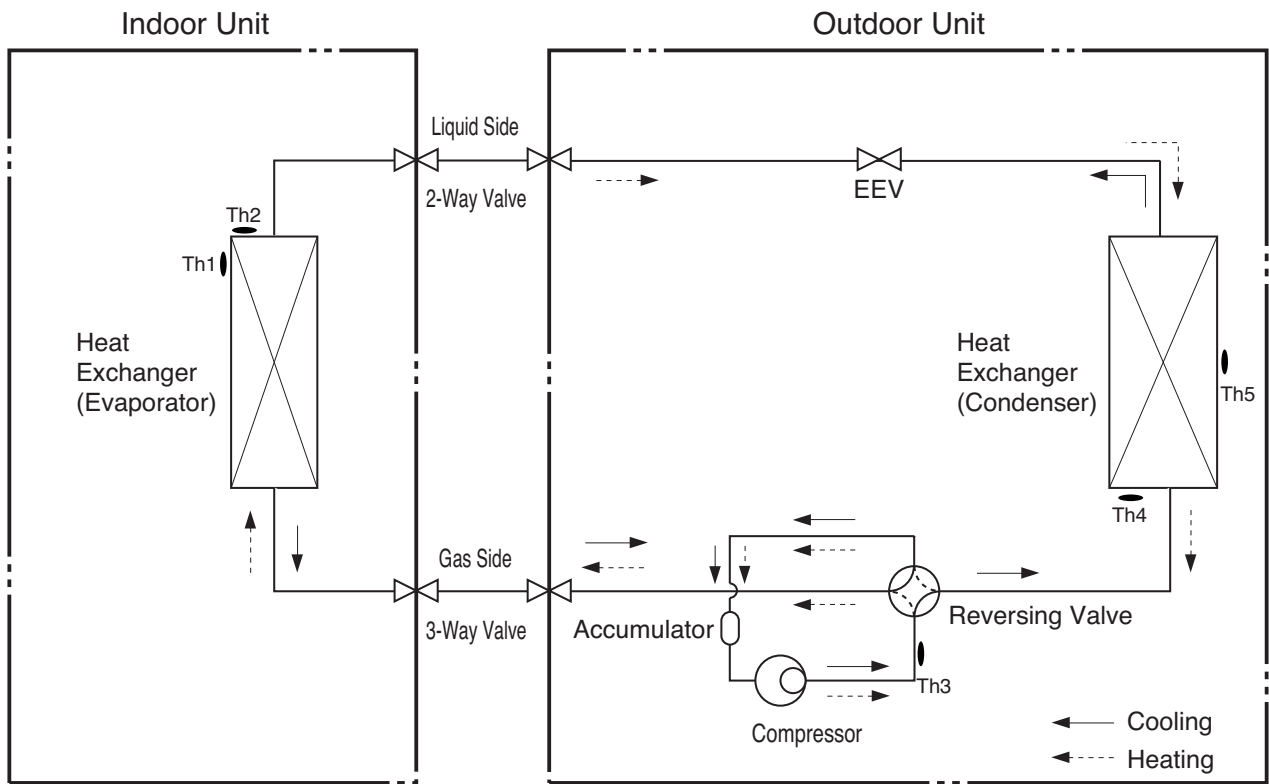
LOC	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN_TH1(INDOOR)
Th2	Water level sensor (Option)	CN_TH2(INDOOR)
Th3	Thermistor for evaporating temperature	CN_TH3(INDOOR)
Th4	Thermistor for discharge pipe temperature	CN_TH2(OUTDOOR)
Th5	Thermistor for condensing temperature	CN_TH1(OUTDOOR)
Th6	Thermistor for outdoor air temperature	

* EEV : Electronic Expansion Valve.

Inverter Single

7. Refrigerant cycle diagrams

Model : AS-W096MMS3, AS-W126MMS3



LOC.		Description	PCB Connector
Th1	263230A	Thermistor for evaporator inlet temperature	CN-TH3(Indoor)
Th2	263230C	Thermistor for indoor air temperature	CN-TH1(Indoor)
Th3	263230B	Thermistor for discharge pipe temperature	CN-TH2(OUTDOOR)
Th4	263230A	Thermistor for condensing outlet temperature	CN-TH1(OUTDOOR)
Th5	263230C	Thermistor for outdoorair temperature	

※ EEV : Electronic Expansion Valve

8. Capacity tables

8.1 Cooling Capacity

AS-W096BRR3/AS-W096BWR3/AS-W096BVR3/AS-W096BNR3

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	2.45	0.30	2.34	0.32	2.20	0.43	2.13	0.48	2.04	0.52	1.98	0.51
16.0	22.0	2.60	0.41	2.49	0.42	2.35	0.50	2.28	0.54	2.19	0.56	2.13	0.54
18.0	25.0	2.75	0.45	2.65	0.45	2.50	0.53	2.43	0.55	2.34	0.57	2.28	0.53
19.0	27.0	2.83	0.45	2.72	0.45	2.58	0.53	2.50	0.55	2.41	0.57	2.36	0.53
22.0	30.0	3.05	0.45	2.95	0.46	2.80	0.55	2.73	0.58	2.64	0.58	2.58	0.54
24.0	32.0	3.21	0.45	3.10	0.47	2.95	0.56	2.88	0.59	2.78	0.59	2.73	0.55

AS-W126BRR3/AS-W126BWR3/AS-W126BVR3/AS-W126BNR3

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	3.43	0.49	3.28	0.51	3.08	0.68	2.99	0.76	2.86	0.84	2.78	0.82
16.0	22.0	3.64	0.66	3.49	0.66	3.29	0.80	3.20	0.86	3.07	0.90	2.99	0.86
18.0	25.0	3.85	0.71	3.70	0.72	3.50	0.84	3.40	0.88	3.27	0.91	3.19	0.86
19.0	27.0	3.96	0.72	3.81	0.73	3.61	0.85	3.50	0.88	3.38	0.92	3.30	0.85
22.0	30.0	4.28	0.72	4.12	0.74	3.92	0.87	3.82	0.92	3.69	0.93	3.61	0.86
24.0	32.0	4.49	0.72	4.33	0.75	4.13	0.89	4.03	0.94	3.90	0.95	3.82	0.88

AS-W186CRR3/AS-W186CWR3/AS-W186CVR3/AS-W186CNR3/AS-W186C8A0

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	5.10	0.83	4.88	0.87	4.58	1.16	4.44	1.30	4.24	1.42	4.13	1.40
16.0	22.0	5.41	1.12	5.19	1.13	4.89	1.37	4.75	1.47	4.55	1.53	4.44	1.46
18.0	25.0	5.73	1.21	5.50	1.22	5.20	1.44	5.06	1.50	4.86	1.56	4.75	1.46
19.0	27.0	5.88	1.23	5.66	1.24	5.36	1.45	5.20	1.50	5.02	1.56	4.90	1.45
22.0	30.0	6.35	1.23	6.13	1.26	5.82	1.49	5.68	1.57	5.48	1.58	5.37	1.47
24.0	32.0	6.67	1.22	6.44	1.27	6.13	1.52	5.99	1.60	5.79	1.62	5.67	1.50

Symbol

AFR : Air Flow Rate	[m ³ /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

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

Inverter Single

8. Capacity tables

AS-W246DSB0

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	6.89	1.21	6.59	1.26	6.19	1.70	6.00	1.89	5.74	2.08	5.58	2.04
16.0	22.0	7.32	1.64	7.02	1.65	6.61	2.00	6.42	2.15	6.16	2.24	6.00	2.13
18.0	25.0	7.74	1.77	7.44	1.78	7.03	2.10	6.84	2.19	6.58	2.27	6.42	2.13
19.0	27.0	7.95	1.79	7.65	1.81	7.24	2.12	7.03	2.19	6.78	2.28	6.63	2.12
22.0	30.0	8.59	1.79	8.28	1.84	7.87	2.17	7.67	2.30	7.41	2.31	7.25	2.15
24.0	32.0	9.02	1.78	8.70	1.86	8.29	2.21	8.09	2.34	7.83	2.36	7.67	2.19

US-W096B4A0/AS-W096B8A0(US-W096B8A0)

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	2.45	0.37	2.34	0.39	2.20	0.52	2.13	0.58	2.04	0.64	1.98	0.62
16.0	22.0	2.60	0.50	2.49	0.51	2.35	0.61	2.28	0.66	2.19	0.69	2.13	0.65
18.0	25.0	2.75	0.54	2.65	0.55	2.50	0.64	2.43	0.67	2.34	0.69	2.28	0.65
19.0	27.0	2.83	0.55	2.72	0.55	2.58	0.65	2.50	0.67	2.41	0.70	2.36	0.65
22.0	30.0	3.05	0.55	2.95	0.56	2.80	0.67	2.73	0.70	2.64	0.71	2.58	0.66
24.0	32.0	3.21	0.55	3.10	0.57	2.95	0.68	2.88	0.72	2.78	0.72	2.73	0.67

US-W126B4A0/AS-W126B8A0(US-W126B8A0)

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	3.43	0.06	3.28	0.06	3.08	0.08	2.99	0.09	2.86	0.10	2.78	0.10
16.0	22.0	3.64	0.08	3.49	0.08	3.29	0.10	3.20	0.11	3.07	0.11	2.99	0.11
18.0	25.0	3.85	0.09	3.70	0.09	3.50	0.10	3.40	0.11	3.27	0.11	3.19	0.10
19.0	27.0	3.96	0.09	3.81	0.09	3.61	0.10	3.50	0.11	3.38	0.11	3.30	0.10
22.0	30.0	4.28	0.09	4.12	0.09	3.92	0.11	3.82	0.11	3.69	0.11	3.61	0.11
24.0	32.0	4.49	0.09	4.33	0.09	4.13	0.11	4.03	0.12	3.90	0.12	3.82	0.11

ASNW096F1G3/ASUW096FUG3

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	2.65	0.39	2.53	0.40	2.38	0.54	2.31	0.61	2.20	0.66	2.14	0.65
16.0	22.0	2.81	0.52	2.69	0.53	2.54	0.64	2.47	0.69	2.36	0.72	2.30	0.68
18.0	25.0	2.97	0.57	2.86	0.57	2.70	0.67	2.63	0.70	2.53	0.73	2.46	0.68
19.0	27.0	3.05	0.57	2.94	0.58	2.78	0.68	2.70	0.70	2.61	0.73	2.54	0.68
22.0	30.0	3.30	0.57	3.18	0.59	3.02	0.69	2.95	0.73	2.85	0.74	2.79	0.69
24.0	32.0	3.46	0.57	3.34	0.59	3.18	0.71	3.11	0.75	3.01	0.76	2.95	0.70

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

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

ASNW126F1G3/ASUW126FUG3

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	3.43	0.59	3.28	0.61	3.08	0.82	2.99	0.92	2.86	1.01	2.78	0.99
16.0	22.0	3.64	0.79	3.49	0.80	3.29	0.97	3.20	1.04	3.07	1.08	2.99	1.03
18.0	25.0	3.85	0.86	3.70	0.86	3.50	1.02	3.40	1.06	3.27	1.10	3.19	1.03
19.0	27.0	3.96	0.87	3.81	0.88	3.61	1.03	3.50	1.06	3.38	1.10	3.30	1.03
22.0	30.0	4.28	0.87	4.12	0.89	3.92	1.05	3.82	1.11	3.69	1.12	3.61	1.04
24.0	32.0	4.49	0.86	4.33	0.90	4.13	1.07	4.03	1.13	3.90	1.14	3.82	1.06

ASUW096MMS3/ASNW096MMS

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	2.45	0.25	2.34	0.26	2.20	0.35	2.13	0.39	2.04	0.43	1.98	0.42
16.0	22.0	2.60	0.34	2.49	0.34	2.35	0.41	2.28	0.44	2.19	0.46	2.13	0.44
18.0	25.0	2.75	0.36	2.65	0.37	2.50	0.43	2.43	0.45	2.34	0.47	2.28	0.44
19.0	27.0	2.83	0.37	2.72	0.37	2.58	0.44	2.50	0.45	2.41	0.47	2.36	0.44
22.0	30.0	3.05	0.37	2.95	0.38	2.80	0.45	2.73	0.47	2.64	0.48	2.58	0.44
24.0	32.0	3.21	0.37	3.10	0.38	2.95	0.46	2.88	0.48	2.78	0.49	2.73	0.45

ASUW126MMS3/ASNW126MMS3

Indoor Air Temperature		Outdoor Air Temperature : °CDB											
		20		25		32		35		40		43	
°CWB	°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
14.0	20.0	3.43	0.42	3.28	0.44	3.08	0.59	2.99	0.66	2.86	0.72	2.78	0.71
16.0	22.0	3.64	0.57	3.49	0.57	3.29	0.69	3.20	0.75	3.07	0.78	2.99	0.74
18.0	25.0	3.85	0.62	3.70	0.62	3.50	0.73	3.40	0.76	3.27	0.79	3.19	0.74
19.0	27.0	3.96	0.62	3.81	0.63	3.61	0.74	3.50	0.76	3.38	0.79	3.30	0.74
22.0	30.0	4.28	0.62	4.12	0.64	3.92	0.75	3.82	0.80	3.69	0.80	3.61	0.74
24.0	32.0	4.49	0.62	4.33	0.64	4.13	0.77	4.03	0.81	3.90	0.82	3.82	0.76

Symbol

AFR : Air Flow Rate	[m ³ /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

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

Inverter Single

8. Capacity tables

8.2 Heating Capacity

AS-W096BRR3/AS-W096BWR3/AS-W096BVR3/AS-W096BNR3

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	2.41	0.57	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	2.38	0.58	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	2.37	0.59	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	2.36	0.60	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	2.36	0.60	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	2.33	0.62	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-W126BRR3/AS-W126BWR3/AS-W126BVR3/AS-W126BNR3

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	3.01	0.78	3.16	0.76	3.43	0.80	3.66	0.86	4.07	0.92	4.30	0.96	4.66	1.02
18.0	2.98	0.79	3.16	0.78	3.43	0.82	3.66	0.88	4.04	0.94	4.24	0.97	4.65	1.03
20.0	2.96	0.81	3.16	0.80	3.44	0.85	3.65	0.91	4.00	0.96	4.21	0.99	4.66	1.04
21.0	2.95	0.82	3.16	0.81	3.44	0.86	3.64	0.92	3.97	0.97	4.21	1.00	4.63	1.04
22.0	2.94	0.83	3.16	0.83	3.43	0.87	3.63	0.93	3.95	0.98	4.21	1.00	4.59	1.04
24.0	2.91	0.85	3.13	0.85	3.39	0.89	3.61	0.95	3.91	0.99	4.14	1.01	4.53	1.05

AS-W186CRR3/AS-W186CWR3/AS-W186CVR3/AS-W186CNR3/AS-W186C8A0

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	4.74	1.35	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	4.69	1.37	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	4.66	1.39	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	4.65	1.40	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	4.64	1.42	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	4.58	1.45	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 [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-W246DSB0

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	6.35	1.90	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	6.28	1.93	6.67	1.90	7.25	2.00	7.73	2.14	8.52	2.28	8.95	2.37	9.81	2.50
20.0	6.24	1.96	6.66	1.95	7.25	2.05	7.71	2.20	8.44	2.33	8.89	2.40	9.83	2.52
21.0	6.22	1.98	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	6.21	2.00	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	6.14	2.05	6.60	2.06	7.16	2.17	7.61	2.31	8.26	2.41	8.73	2.45	9.57	2.54

US-W096B4A0/AS-W096B8A0(US-W096B8A0)

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	2.41	0.68	2.53	0.67	2.74	0.70	2.93	0.75	3.25	0.80	3.44	0.84	3.73	0.89
18.0	2.38	0.70	2.53	0.68	2.75	0.72	2.93	0.77	3.23	0.82	3.39	0.85	3.72	0.90
20.0	2.37	0.71	2.53	0.70	2.75	0.74	2.92	0.79	3.20	0.84	3.37	0.87	3.73	0.91
21.0	2.36	0.71	2.53	0.71	2.75	0.75	2.92	0.80	3.18	0.85	3.37	0.87	3.70	0.91
22.0	2.36	0.72	2.53	0.72	2.75	0.76	2.91	0.81	3.16	0.86	3.37	0.88	3.67	0.91
24.0	2.33	0.74	2.50	0.74	2.71	0.78	2.88	0.83	3.13	0.87	3.31	0.88	3.63	0.91

US-W126B4A0/AS-W126B8A0(US-W126B8A0)

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	2.86	0.82	3.01	0.80	3.26	0.83	3.48	0.89	3.86	0.96	4.08	1.00	4.43	1.06
18.0	2.83	0.83	3.00	0.82	3.26	0.86	3.48	0.92	3.84	0.98	4.03	1.01	4.42	1.07
20.0	2.81	0.84	3.00	0.84	3.26	0.88	3.47	0.94	3.80	1.00	4.00	1.03	4.42	1.08
21.0	2.80	0.85	3.00	0.85	3.26	0.89	3.46	0.96	3.78	1.01	4.00	1.04	4.39	1.08
22.0	2.80	0.86	3.00	0.86	3.26	0.91	3.45	0.97	3.75	1.02	4.00	1.04	4.36	1.08
24.0	2.76	0.88	2.97	0.88	3.22	0.93	3.42	0.99	3.72	1.03	3.93	1.05	4.31	1.09

ASNW096F1G3/ASUW096FUG3

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	2.63	0.76	2.77	0.74	3.00	0.77	3.21	0.83	3.56	0.89	3.76	0.93	4.08	0.99
18.0	2.61	0.77	2.76	0.76	3.00	0.80	3.20	0.86	3.53	0.91	3.71	0.94	4.07	1.00
20.0	2.59	0.78	2.76	0.78	3.01	0.82	3.20	0.88	3.50	0.93	3.69	0.96	4.07	1.00
21.0	2.58	0.79	2.76	0.79	3.01	0.83	3.19	0.89	3.48	0.94	3.69	0.96	4.05	1.01
22.0	2.58	0.80	2.76	0.80	3.00	0.84	3.18	0.90	3.45	0.95	3.68	0.97	4.01	1.01
24.0	2.55	0.82	2.74	0.82	2.97	0.87	3.15	0.92	3.43	0.96	3.62	0.98	3.97	1.01

Symbol

AFR : Air Flow Rate	[m ³ /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

- All capacities are net, evaporator fan motor heat is deducted.
- Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- 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

ASNW126F1G3/ASUW126FUG3

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	3.01	0.90	3.16	0.88	3.43	0.92	3.66	0.98	4.07	1.05	4.30	1.10	4.66	1.17
18.0	2.98	0.91	3.16	0.90	3.43	0.94	3.66	1.01	4.04	1.08	4.24	1.12	4.65	1.18
20.0	2.96	0.93	3.16	0.92	3.44	0.97	3.65	1.04	4.00	1.10	4.21	1.13	4.66	1.19
21.0	2.95	0.94	3.16	0.93	3.44	0.98	3.64	1.05	3.97	1.11	4.21	1.14	4.63	1.19
22.0	2.94	0.95	3.16	0.95	3.43	1.00	3.63	1.06	3.95	1.12	4.21	1.15	4.59	1.19
24.0	2.91	0.97	3.13	0.97	3.39	1.02	3.61	1.09	3.91	1.14	4.14	1.16	4.53	1.20

ASUW096MMS3/ASNW096MMS3

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	2.41	0.46	2.53	0.45	2.74	0.47	2.93	0.51	3.25	0.55	3.44	0.57	3.73	0.60
18.0	2.38	0.47	2.53	0.46	2.75	0.49	2.93	0.52	3.23	0.56	3.39	0.58	3.72	0.61
20.0	2.37	0.48	2.53	0.48	2.75	0.50	2.92	0.54	3.20	0.57	3.37	0.59	3.73	0.62
21.0	2.36	0.48	2.53	0.48	2.75	0.51	2.92	0.55	3.18	0.58	3.37	0.59	3.70	0.62
22.0	2.36	0.49	2.53	0.49	2.75	0.52	2.91	0.55	3.16	0.58	3.37	0.59	3.67	0.62
24.0	2.33	0.50	2.50	0.50	2.71	0.53	2.88	0.57	3.13	0.59	3.31	0.60	3.63	0.62

ASUW126MMS3/ASNW126MMS3

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	3.01	0.60	3.16	0.59	3.43	0.62	3.66	0.66	4.07	0.71	4.30	0.74	4.66	0.78
18.0	2.98	0.61	3.16	0.60	3.43	0.63	3.66	0.68	4.04	0.72	4.24	0.75	4.65	0.79
20.0	2.96	0.62	3.16	0.62	3.44	0.65	3.65	0.70	4.00	0.74	4.21	0.76	4.66	0.80
21.0	2.95	0.63	3.16	0.63	3.44	0.66	3.64	0.71	3.97	0.75	4.21	0.77	4.63	0.80
22.0	2.94	0.64	3.16	0.64	3.43	0.67	3.63	0.72	3.95	0.75	4.21	0.77	4.59	0.80
24.0	2.91	0.65	3.13	0.65	3.39	0.69	3.61	0.73	3.91	0.77	4.14	0.78	4.53	0.81

Symbol

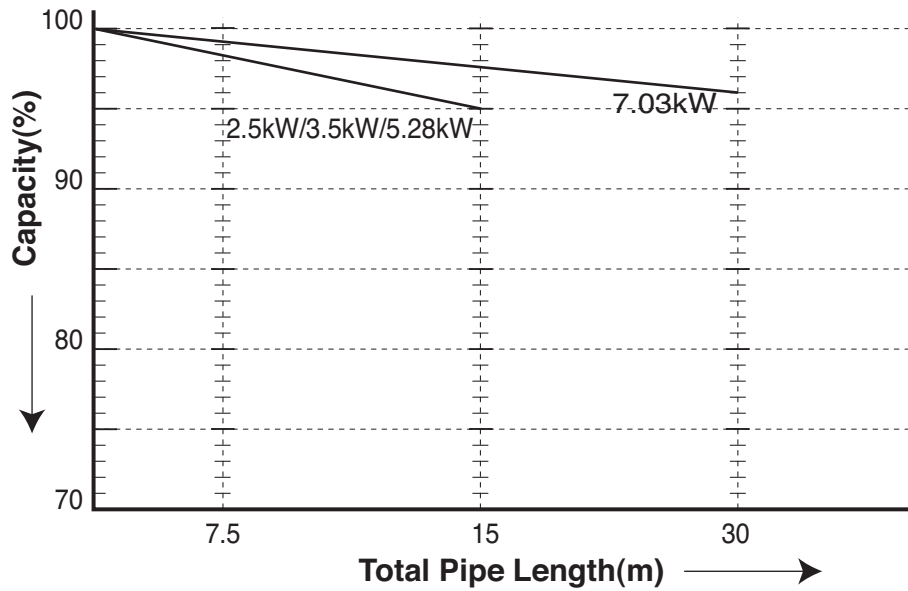
AFR : Air Flow Rate	[m ³ /min]
DB : Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
PI : Power Input	[kW]
(Comp.+ Indoor fan motor + Outdoor fan motor)	

Notes

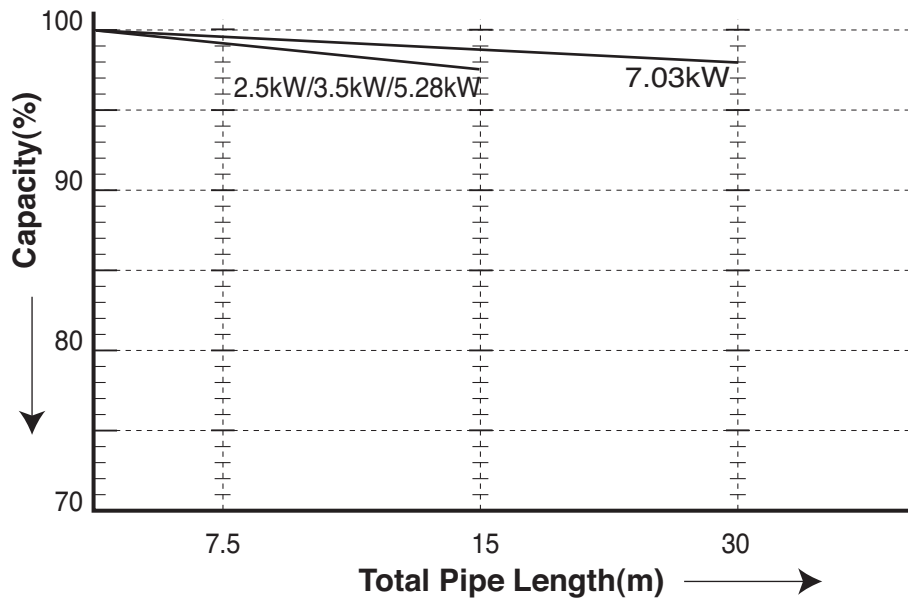
- All capacities are net, evaporator fan motor heat is deducted.
- █ Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH.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

9. Capacity coefficient factor

Cooling



Heating

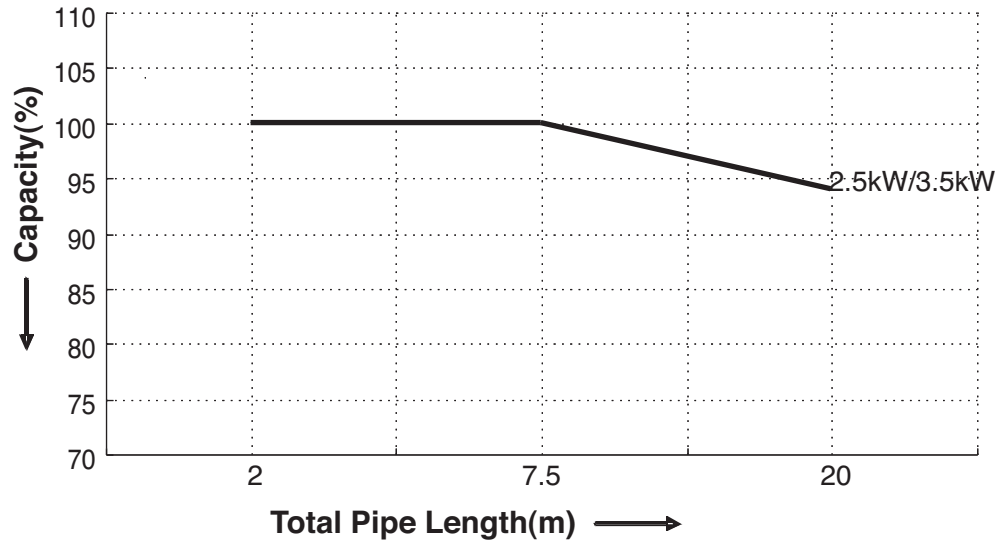


Inverter Single

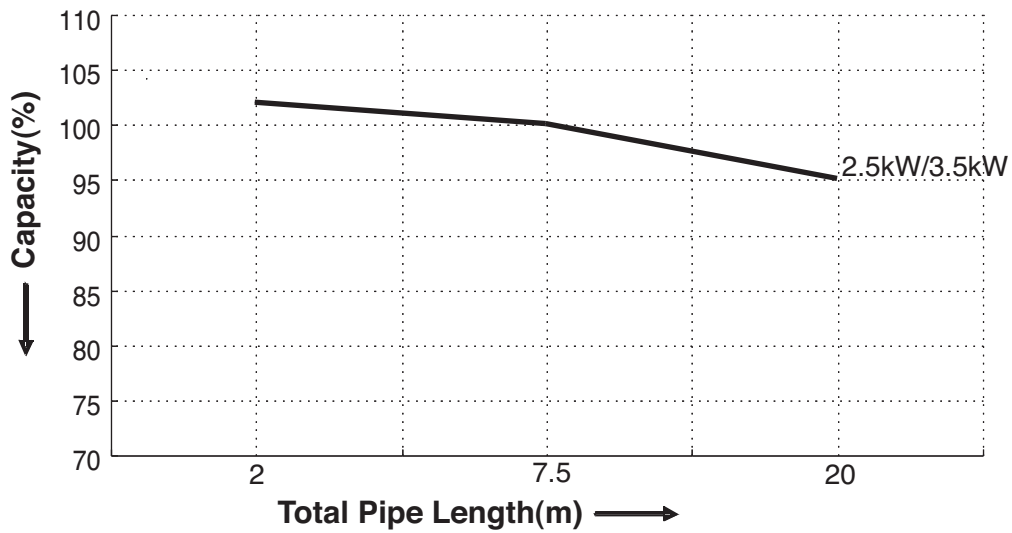
9. Capacity coefficient factor

Prestige / ARTCOOL / ARTCOOL Gallery / Deluxe / Standard / Econo

Cooling

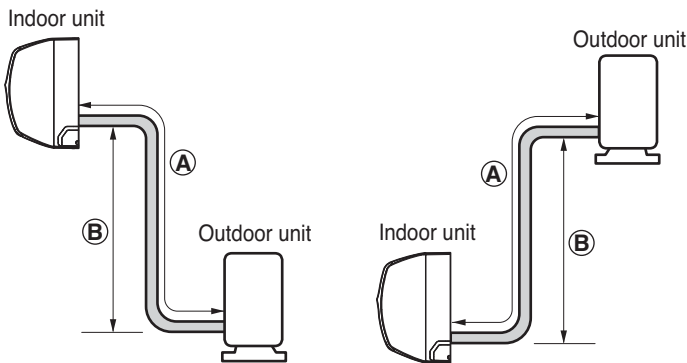


Heating



9. Capacity coefficient factor

Model No.	Max. Pipe Length(m)	Max. Elevation (m)	Additional Refrigerant[g/m(oz/ft)]
US-W096B4A0	15	7	20(0.22)
US-W126B4A0	15	7	20(0.22)
AS-W096B8A0	15	7	20(0.22)
US-W096B8A0			
AS-W126B8A0	15	7	20(0.22)
US-W126B8A0			
AS-W186C8A0	20	10	20(0.22)
AS-W246DSB0	30	15	35(0.37)
AS-W096BNR3	20	10	20(0.22)
AS-W126BNR3	20	10	20(0.22)
AS-W186CNR3	20	10	20(0.22)
AS-W096BRR3	20	10	20(0.22)
AS-W096BVR3	20	10	20(0.22)
AS-W096BWR3	20	10	20(0.22)
AS-W126BRR3	20	10	20(0.22)
AS-W126BVR3	20	10	20(0.22)
AS-W126BWR3	20	10	20(0.22)
AS-W186CRR3	20	10	20(0.22)
AS-W186CVR3	20	10	20(0.22)
AS-W186CWR3	20	10	20(0.22)
ASNW096F1G3 ASUW096FUG3	15	7	20(0.22)
ASNW126F1G3 ASUW126FUG3	15	7	20(0.22)
AS-W096MMS3	20	10	20(0.22)
AS-W126MMS3	20	10	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

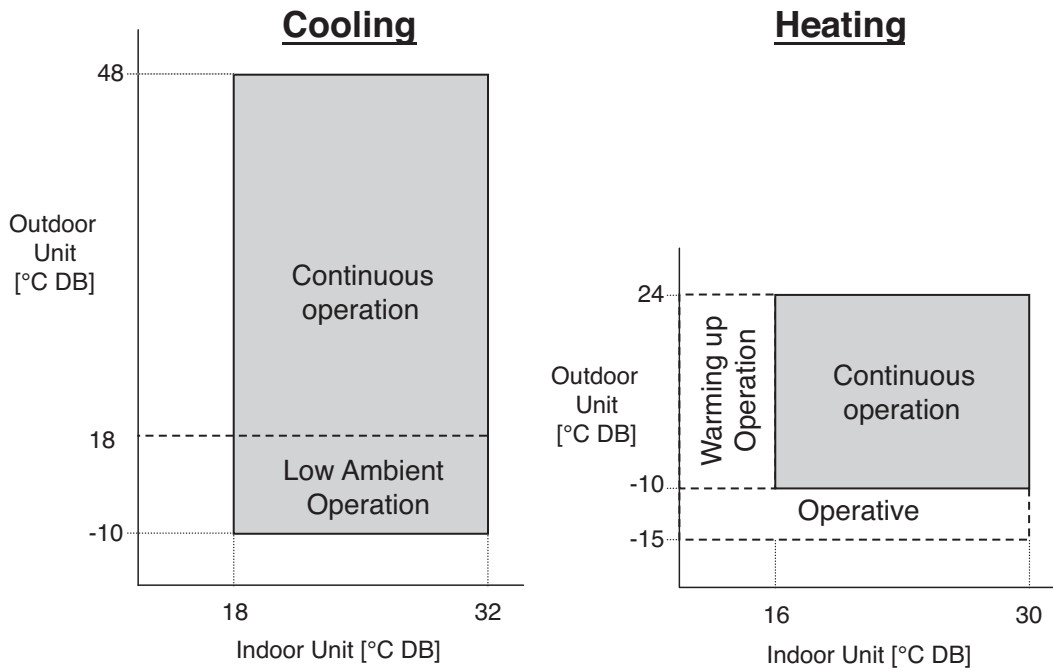
Example: For Model No. ASNW096F1G3 having 15m pipe length, additional refrigerant to be charged is
 $(15-7) \times 20 = 160\text{g}$

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

* Prestige & ARTCOOL & Deluxe (2.5kW , 3.5kW)

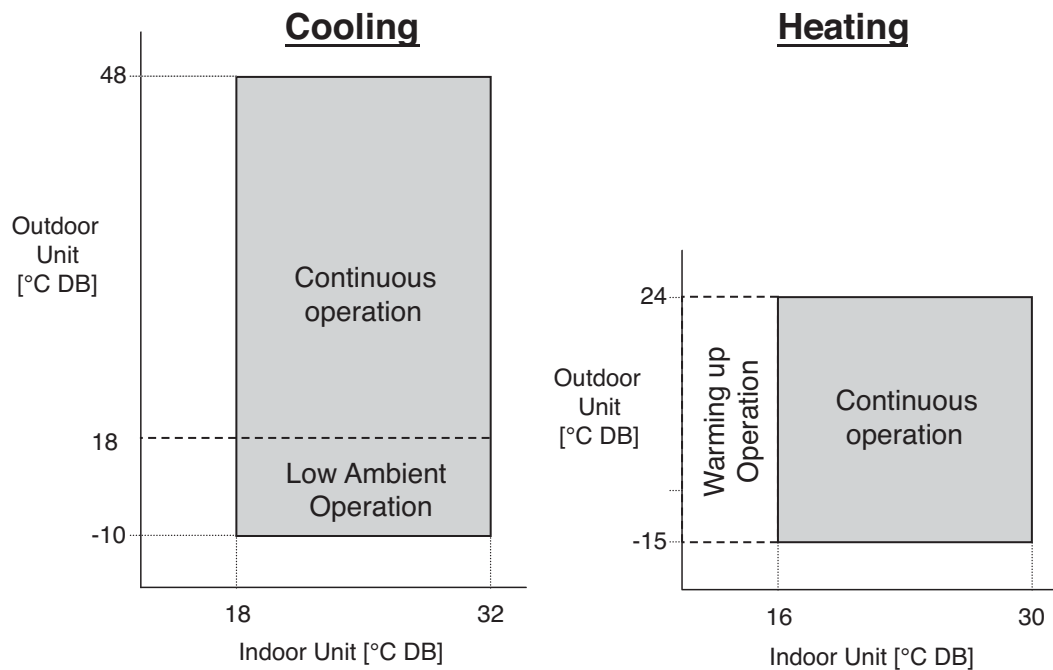
Additional refrigerant must be charged after 12.5 m (there is no need to charge till 12.5 m based on reliability)

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 : P09RK, P12RK, P18RK, P24RK, G09PK, G12PK, E09EK, E12EK



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

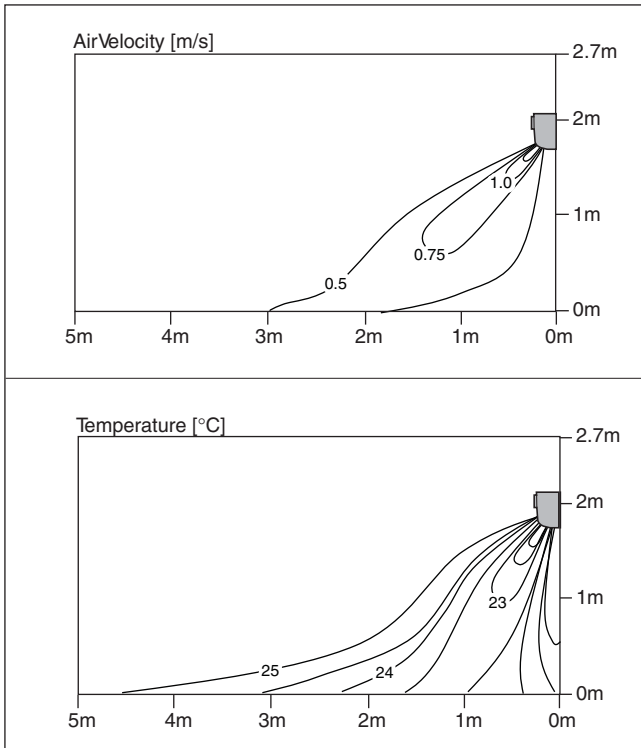
* Applied Model : H09AK, H12AK, A09*K, A12*K, A18*K, D09AK, D12AK, D18AK

11. Air flow and temperature distributions(reference data)

ARTCOOL / Deluxe / Standard / Econo 2.5kW

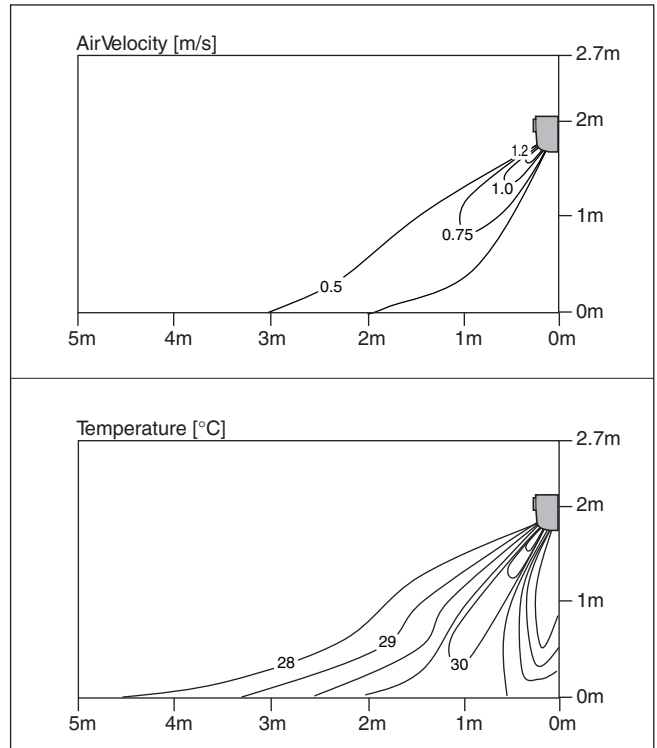
Cooling

Discharge angle:45°



Heating

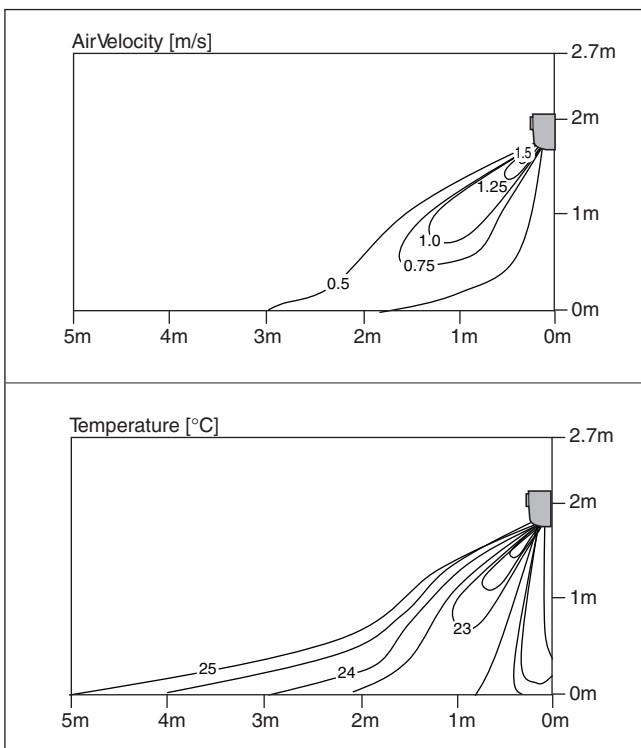
Discharge angle:50°



ARTCOOL / Deluxe / Standard / Econo 3.5kW

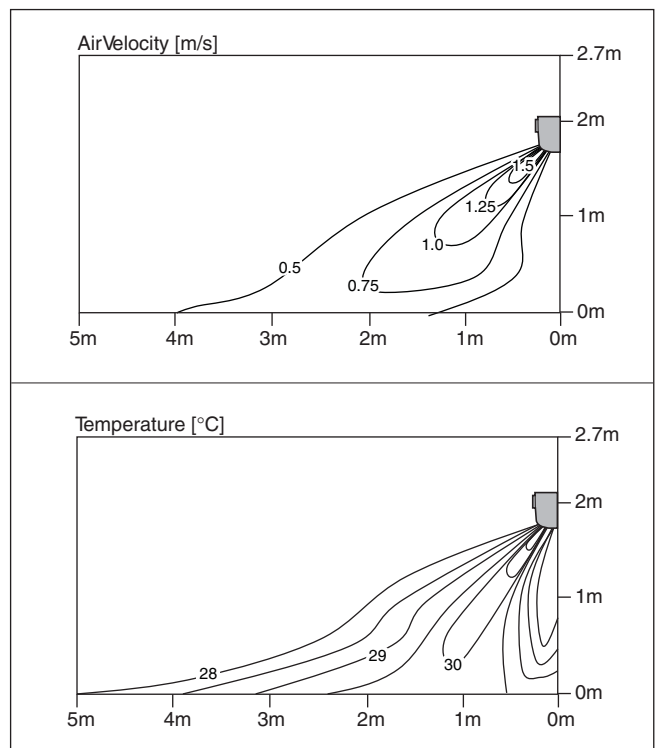
Cooling

Discharge angle:45°



Heating

Discharge angle:50°



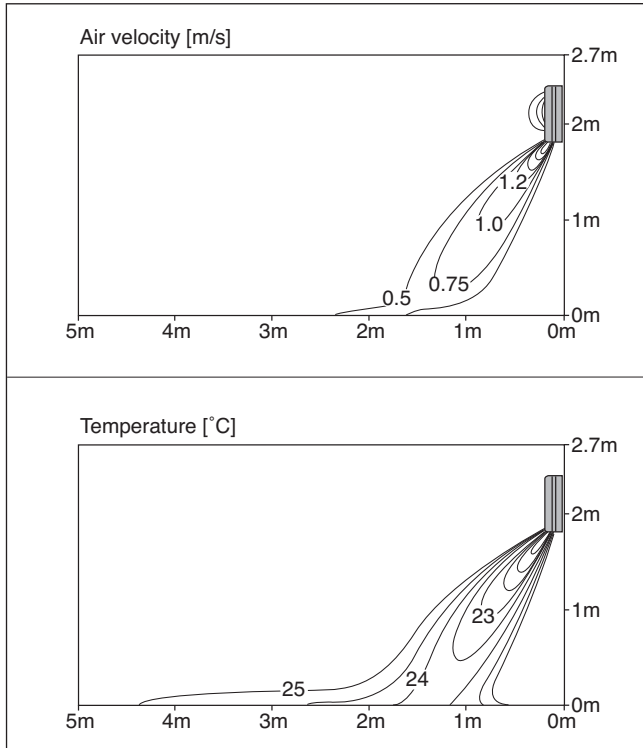
Inverter Single

11. Air flow and temperature distributions(reference data)

ARTCOOL Gallery 3.5kW

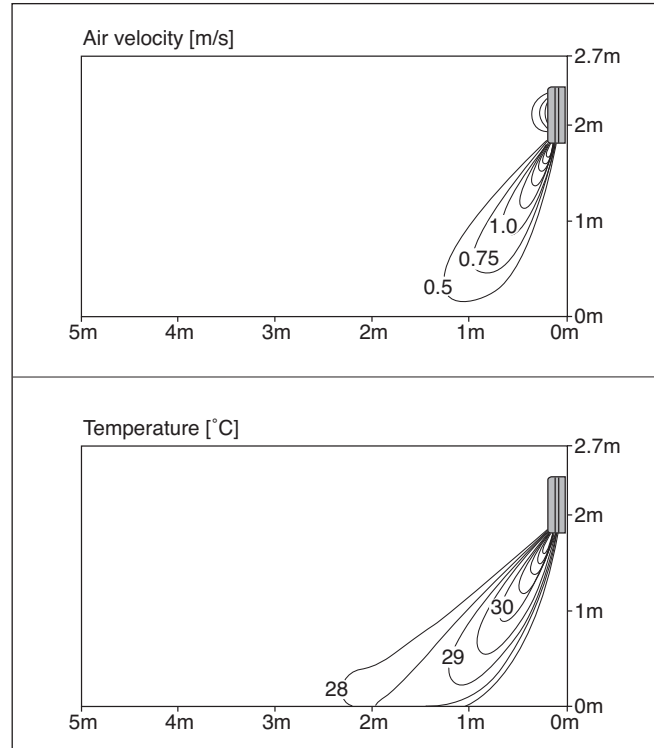
Cooling

Discharge angle:45°



Heating

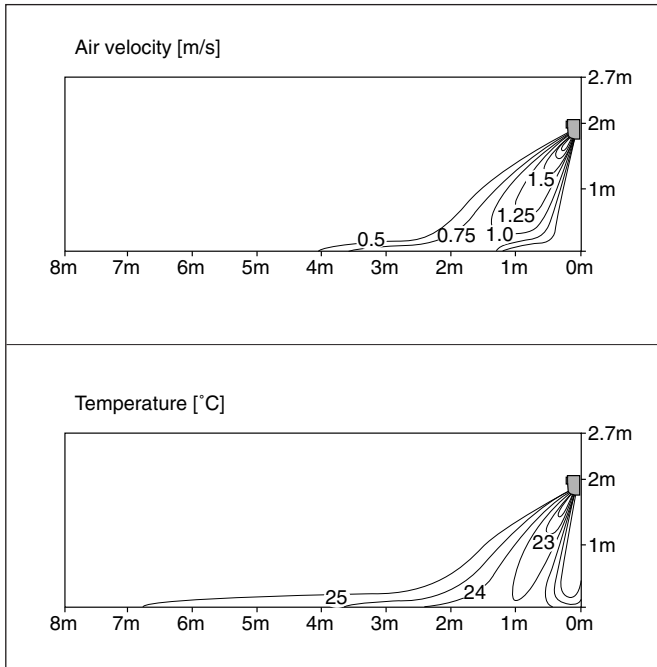
Discharge angle:45°



Prestige 2.5kW, 3.5kW

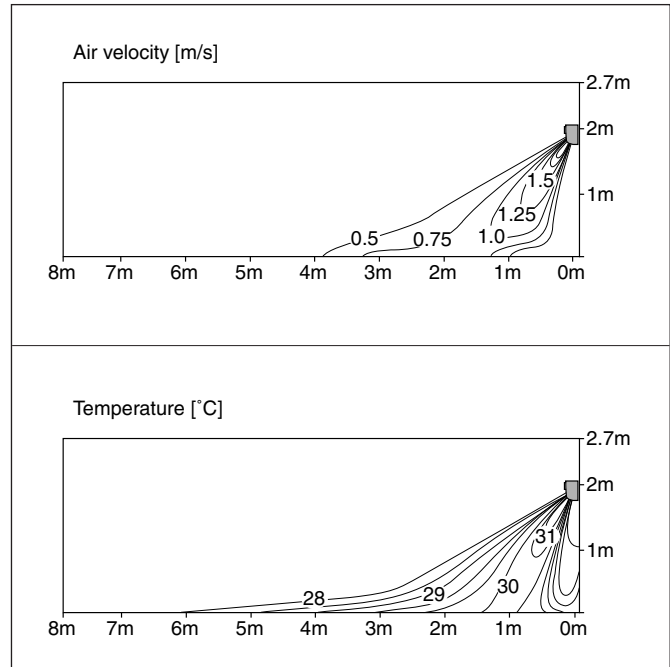
Cooling

Discharge angle:45°



Heating

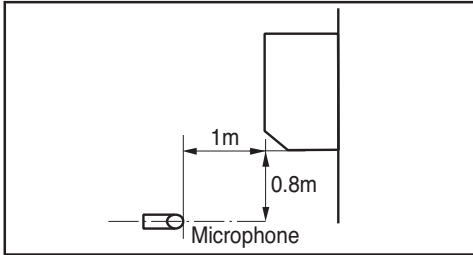
Discharge angle:50°



12. Sound levels

12.1 Indoor Units

Overall



Notes:

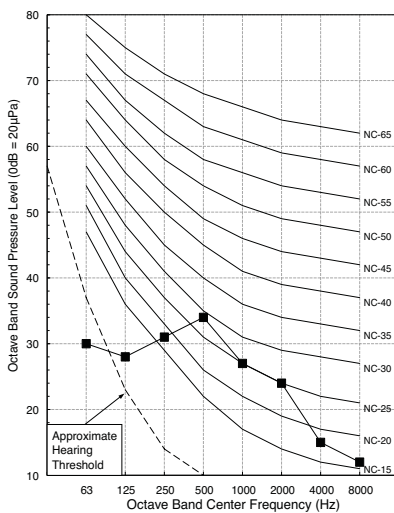
- Sound measured at 1m away from the center of the unit.
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure 0dB=20Pa.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of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

Model	Sound Levels [dB(A)]		
	H	M	L
ASNW096BRR3	38	33	23
ASNW096BWR3	38	33	23
ASNW096BVR3	38	33	23
ASNW096BNR3	38	33	23
ASNW126BRR3	39	33	23
ASNW126BWR3	39	33	23
ASNW126BVR3	39	33	23
ASNW126BNR3	39	33	23
ASNW096B8A0	38	33	23
USNW096B8A0			
ASNW126B8A0	39	33	23
USNW126B8A0			

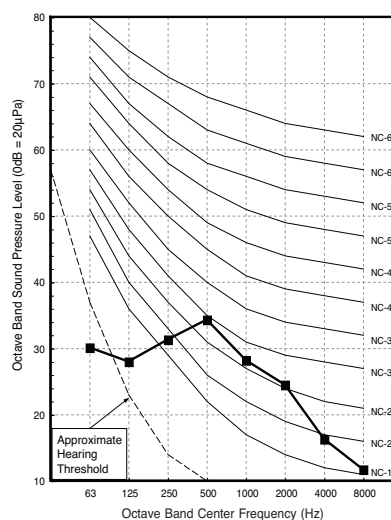
Model	Sound Levels [dB(A)]		
	H	M	L
ASNW186C8A0	42	40	35
ASNW246DSB0	49	44	39
USNW096B4A0	39	33	25
USNW126B4A0	39	33	25
ASNW096F1G3	35	29	25
ASNW126F1G3	39	32	25
ASNW096MMS3	38	33	25
ASNW126MMS3	39	33	25
ASNW186BRR3	35	40	42
ASNW186BWR3	35	40	42
ASNW186BVR3	35	40	42
ASNW186BNR3	35	40	42

Sound Pressure Level

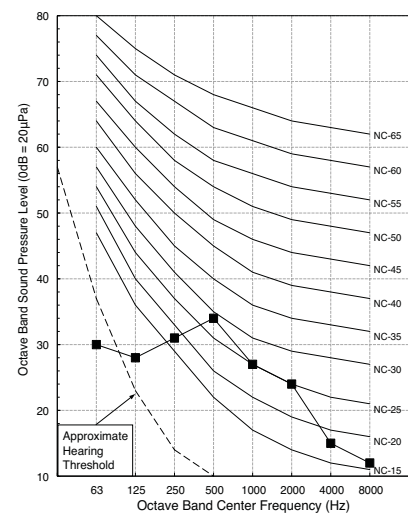
ASNW096B*R3
ASNW096B8A0 USNW096B8A0



ASNW096F1G3



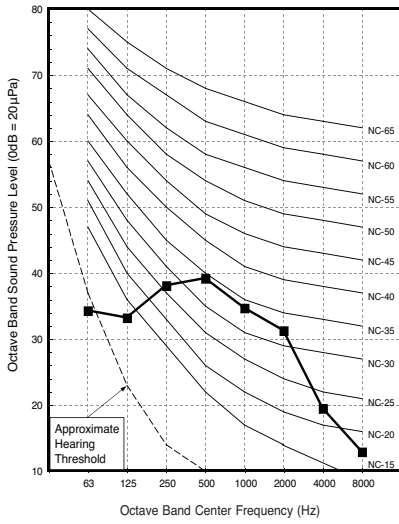
ASNW126B8A0
(USNW126B8A0) ASNW126B*R3



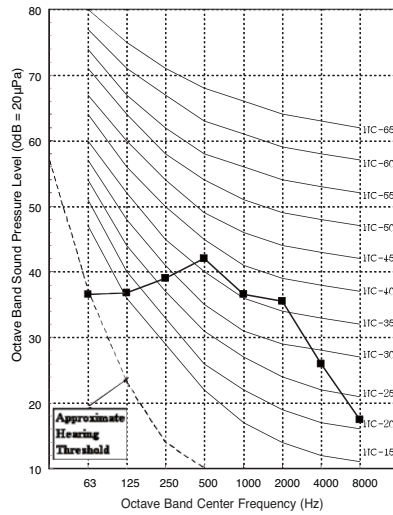
Inverter Single

12. Sound levels

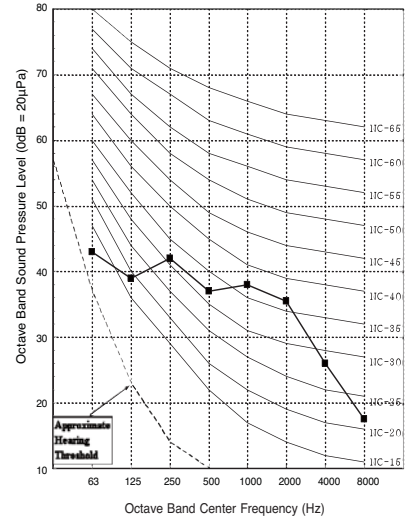
ASNW126F1G3



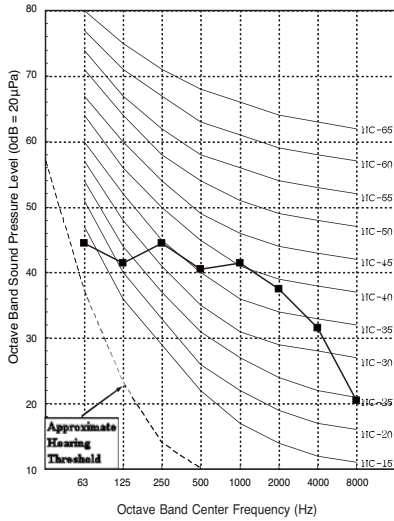
**USNW096B4A0
USNW126B4A0 ASNW126MMS3**



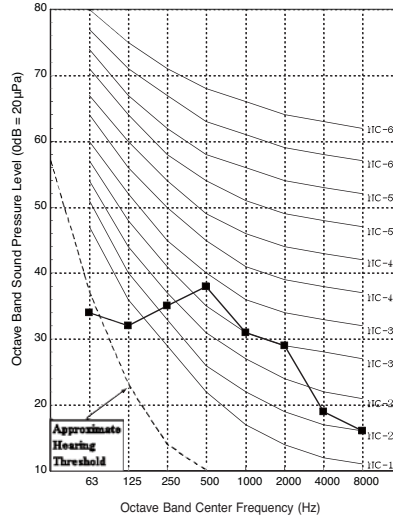
**ASNW186C8A0
ASNW186CNR3 ASNW186C*R3**



ASNW246DSB0

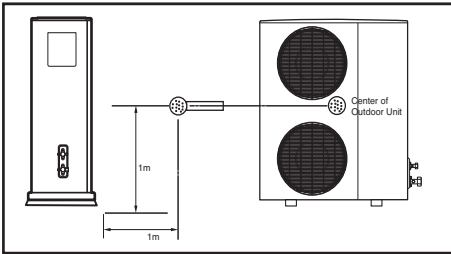


ASNW096MMS3



12.2 Outdoor Units

Overall



Notes:

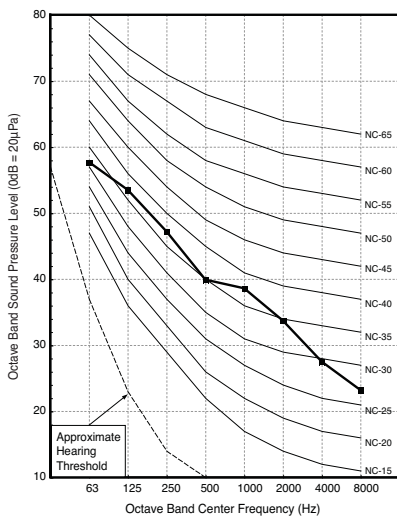
- Sound measured at 1m away from the center of the unit.
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure $0\text{dB}=20\text{Pa}$.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption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

Model	Sound Levels [dB(A)]	
	H	
ASUW096BUS3	45	
ASUW126BUS3	45	
ASUW096B8A0	47	
USUW096B8A0		
ASUW126B8A0	47	
USUW126B8A0		
ASUW186C8A0	54	
ASUW246DSB0	56	

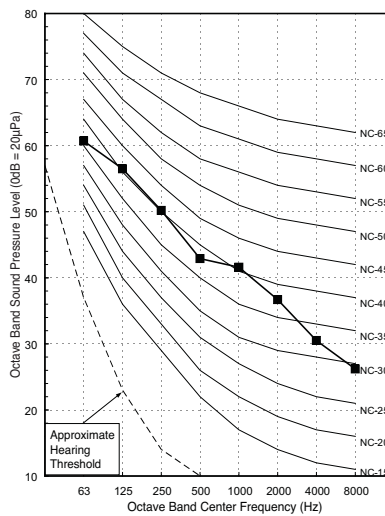
Model	Sound Levels [dB(A)]	
	H	
USUW096B4A0	47	
USUW126B4A0	47	
ASUW096FUG3	45	
ASUW126FUG3	45	
ASUW096MUF3	45	
ASUW126MUF3	45	
ASUW186C2U3	54	

Sound Pressure Level

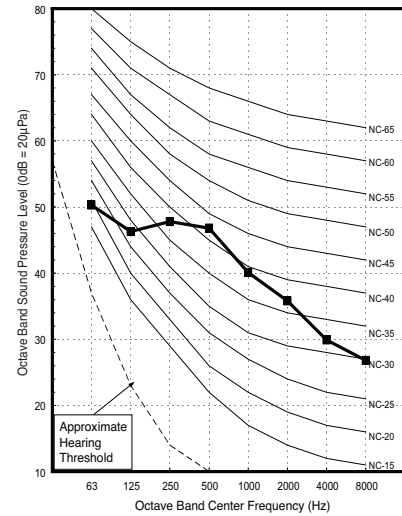
ASUW096BUS3



ASUW096FUG3



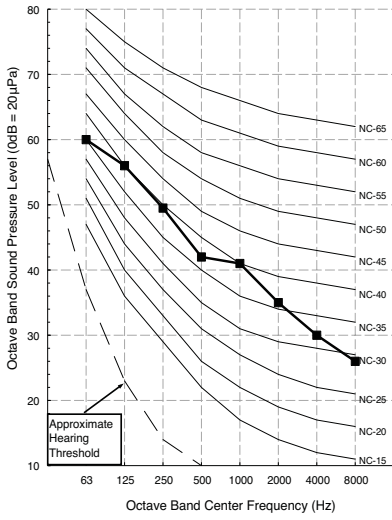
ASUW126FUG3



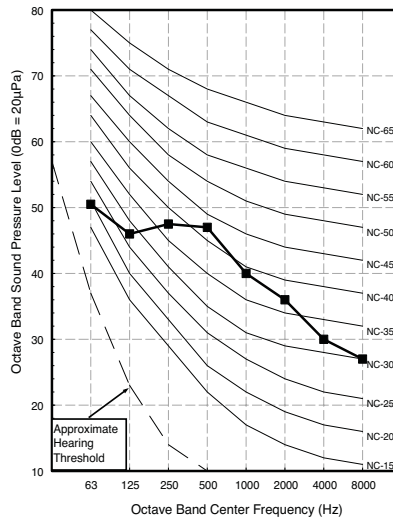
Inverter Single

12. Sound levels

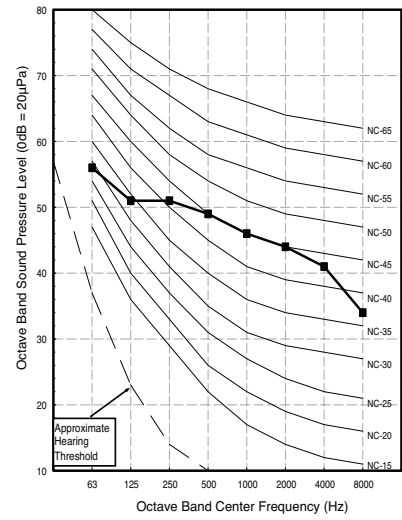
USUW096B4A0
USUW096B8A0 ASUW096B8A0



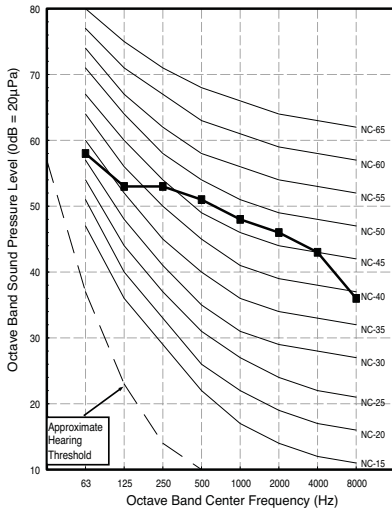
USUW126B4A0
USUW126B8A0 ASUW126B8A0



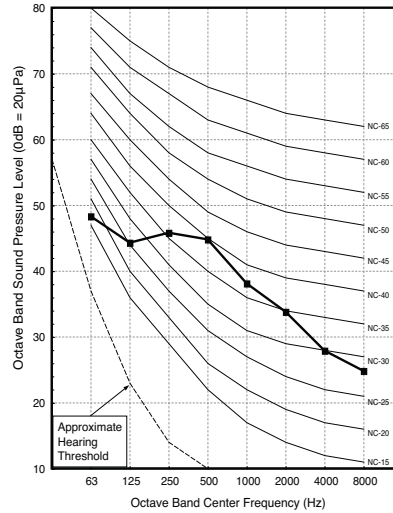
ASUW186C2U3 ASUW186C8A0



ASUW246DSB0



ASUW126BUS3

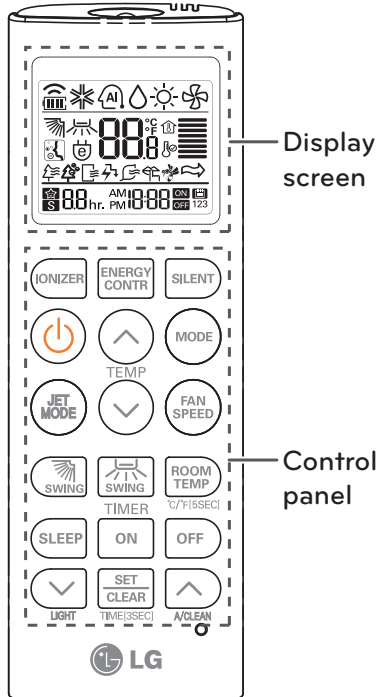


13. Remote controller

Model : AS-W096BRR3, AS-W096BWR3, AS-W096BVR3, AS-W096BNR3, AS-W126BRR3, AS-W126BRW3, AS-W126BVR3, AS-W126BNR3, AS-W186CRR3, AS-W186CWR3, AS-W186CVR3, AS-W186CNR3

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
IONIZER		IONIZER button* : Plasmaster Ionizer sterilize the aerial bacteria and other harmful substances.
SLEEP		Sleep mode auto button* : Sets the sleep mode auto operation.
	88°C	Temperature adjustment buttons : Adjusts the room temperature when cooling and heating.
	-	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 (AI) / Dehumidifying operation (💧) / Heating operation (🔥) / Air circulation (🌀)
JET MODE	Po	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.
ROOM TEMP		Temperature display button : Displays the room temperature. Also changes unit from °C to °F if pressed for 5 seconds.
ON OFF	AM 12:00 PM	Timer button : Sets the current time and the start / end time.
SILENT ENERGY CONTR A/CLEAN		Navigation and functions button* : Adjusts the time and sets the special functions. 🌀 Operates SILENT mode / 🌀 Operates E/Control mode / 🌀: Auto clean silent Mode and E/Control are not available at the same time
LIGHT	-	Adjusts the brightness of the indoor unit display
SET CLEAR	-	Set/clear button : Sets or cancels functions.
○	-	Reset button : Resets the air conditioner settings.

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

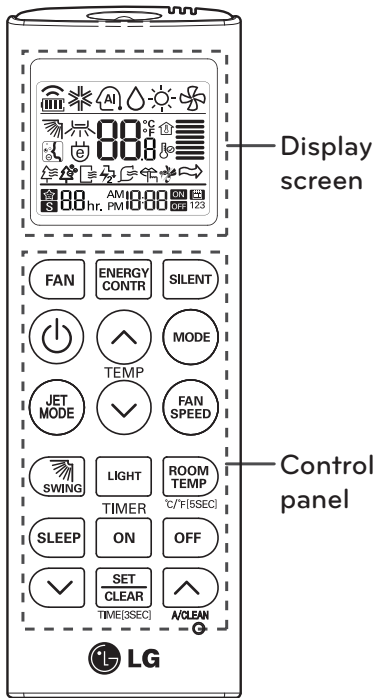
Inverter Single

13. Remote controller

Model : AS-W186C8A0

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 button : Air come out from the indoor unit below to the room without air temperature change.
		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 (🔥)
		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.
		Temperature display button: Displays the room temperature. Also changes unit from °C to °F if pressed for 5 seconds.
		Timer button: Sets the current time and the start / end time.
		Navigation and functions button*: Adjusts the time and sets the special functions. ⏸️ Operates SILENT mode / ⏸️ Operates E/Control mode / ⏸️: Auto clean silent Mode and E/Control are not available at the same time
	-	Set/clear button: Sets or cancels functions.
	-	Reset button: Resets the air conditioner settings.
	-	LIGHT button: Adjusts the brightness of the indoor unit display.

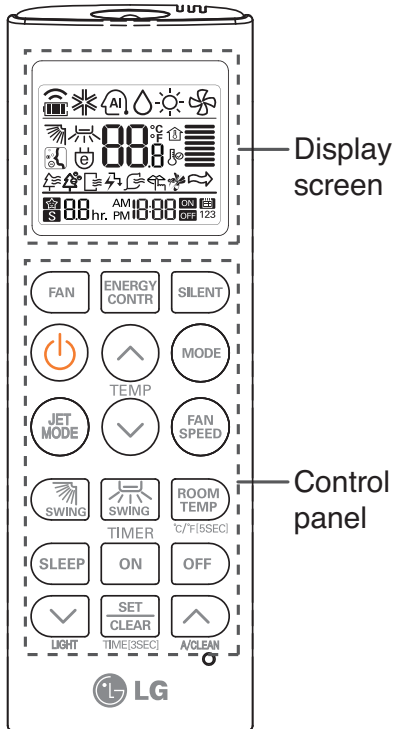
* Some functions may not be supported, depending on the model.

13. Remote controller

Model : AS-W246DSB0

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
		AIR CIRCULATION BUTTON Used to circulate the room air without cooling or heating.
		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 (🔥)
		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. Also changes unit from °C to °F if pressed for 5 seconds.
		Timer button : Sets the current time and the start / end time.
		Navigation and functions button* : Adjusts the time and sets the special functions. 🔇 Operates SILENT mode / ⚡ Operates E/Control mode / 🧼 Auto clean silent Mode and E/Control are not available at the same time
	-	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.

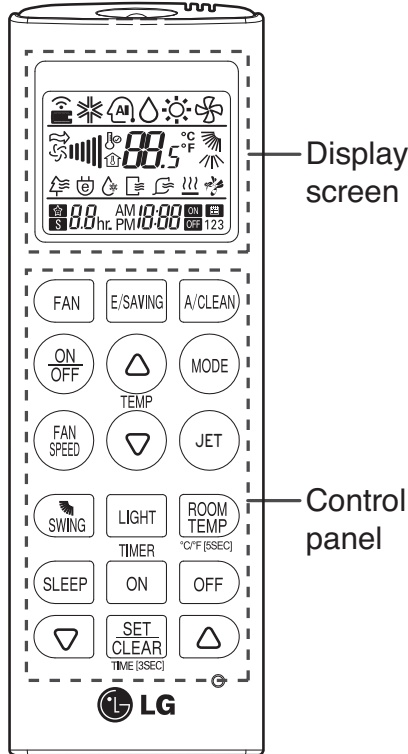
Inverter Single

13. Remote controller

Model : US-W096B4A0, US-W126B4A0

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 button : Air come out from the indoor unit below to the room without air temperature change.
		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 (☀️)
		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.
		Temperature display button : Displays the room temperature. Press for 5 sec, conversion °C / °F
		Timer button : Sets the current time and the start / end time.
		Navigation and functions button* : Sets the special functions. : Auto clean : Operates energy saving cooling
	-	Set/clear button : Sets or cancels functions.
	-	Reset button : Resets the remote control settings.
	-	LIGHT button : Adjusts the brightness of the indoor unit display.

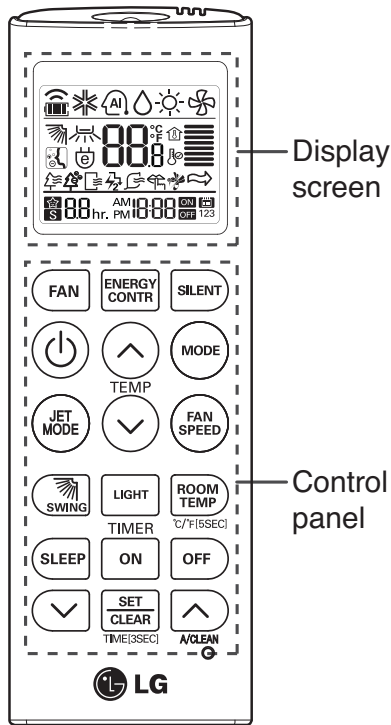
* Some functions may not be supported, depending on the model.

13. Remote controller

Model : AS-W096B8A0 (US-W096B8A0), AS-W126B8A0 (US-W126B8A0)

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 button : Air come out from the indoor unit below to the room without air temperature change.
		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 (AI) / Dehumidifying operation (💧) / Heating operation (☀️)
		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.
		Temperature display button : Displays the room temperature. Also changes unit from °C to °F if pressed for 5 seconds.
		Timer button : Sets the current time and the start / end time.
		Navigation and functions button* : Adjusts the time and sets the special functions. 🔇 Operates SILENT mode / 🔄 Operates E/Control mode / 🧼 Auto clean silent Mode and E/Control are not available at the same time
	-	Set/clear button : Sets or cancels functions.
	-	Reset button : Resets the air conditioner settings.
	-	LIGHT button : Adjusts the brightness of the indoor unit display.

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

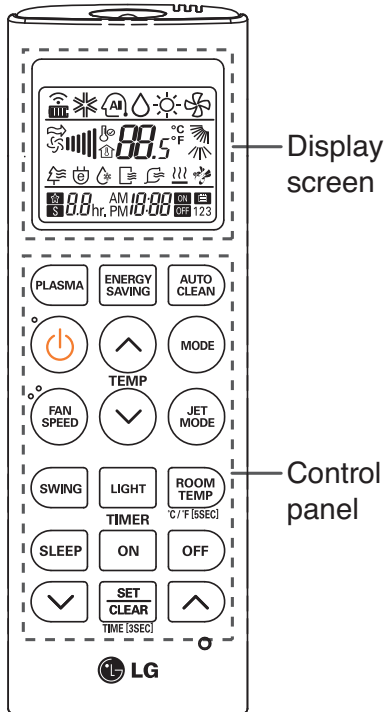
Inverter Single

13. Remote controller

Model : AS-W096F1G3, AS-W126F1G3

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 : Used to stop or start louver movement and set the desired airflow direction
		Temperature display button : Displays the room temperature. Also changes unit from °C to °F if pressed for 5 seconds.
		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.



P/No.: MFL66305313



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quality assurance and ISO14001 certificate for environmental management system.