

Model: AC\*\*\*MNHDCH/AA (Indoor unit) AC\*\*\*JXSCCH/AA (Outdoor unit)

# History

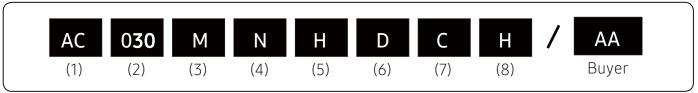
Version	Modification	Date	Remark
Ver.1.0	SINGLE Duct S for America (Low Ambient, R410A, 60Hz, HP)	'17.06.15	

2\_\_\_\_\_

## Nomenclature

#### Indoor Unit

#### **Model Name**



#### (1) Classification

AC

(2) Capacity		
	kBtu/h (3 digits)	

CAC

#### (5) Product Notation

1	1 Way Cassette	
N	4 Way Cassette (600x600)	
4	4 Way Cassette, 360 Cassette	
Н	HSP Duct	
М	MSP Duct	
С	Ceiling	
J	Console	
А	A3050 (Wall Mounted)	

#### (3) Version

Н	2014
J	2015
K	2016
М	2017

#### (6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

#### (4) Product Type

N	Indoor Unit
Χ	Outdoor Unit

#### (7) Rating Voltage

(	1Ø 208~230V 60Hz

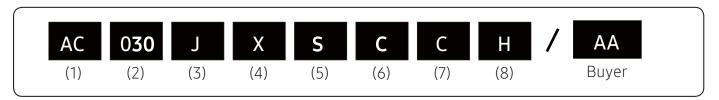
#### (8) Mode

Н	Heat Pump

## Nomenclature

#### **Outdoor Unit**

#### **Model Name**



#### (1) Classification

<b>AC</b> CAC
---------------

#### (5) Product Notation

Α	Inv+Side+General Temp
S	Inv+Side+Low Temp

#### (2) Capacity

kBtu/h (3 digits)	

#### (6) Feature

F	Flagship	
S	Standard	
D	Deluxe	
С	DELUXE+Low Temp.	
P	Premium	

#### (3) Version

Н	2014
J	2015
K	2016
М	2017

#### (7) Rating Voltage

C	1Ø 208~230V 60Hz
_	12, 200 230 1, 00112

#### (4) Product Type

N	Indoor Unit
Χ	Outdoor Unit

#### (8) Mode

Н	Heat Pump

### **Features & Benefits**

#### **Duct S**

#### Overview

Samsung Ducted Type air conditioning units are a smart solution for low-maintenance, consistent cooling and heating performance in any environment. Their compact, slim frame blends seamlessly into ceilings, enhancing the beauty of the interior space and affording users more flexible installation options. Offering a comprehensive lineup, Samsung Ducted Type air conditioning units offer just the right solution for every need--from the office or shop to the restaurant kitchen.

## Experience performance and convenient comfort for any weather condition

Samsung Duct S delivers unparalleled cooling and heating and flexible management with customizable comfort settings in any climate—all year round. Plus, it boasts a slim, compact size and multiple access points for easy setup exactly where needed.



#### Smart pressure control

Samsung Ducted Type units feature a smart pressure control system. This system adjusts the fan speed based on the external static pressure (ESP), delivering consistent cooling and heating power, regardless of the surrounding environment.

#### Convenient installation

The lift-up drain pump lifts condensed water up to 29.5 inch, compared to a limit of 27.6 inch on conventional models, for flexible and convenient installation.

The Duct S indoor air conditioning unit delivers smooth, consistent operation and convenience with features such as:

- Efficient operation. Stage the desired atmosphere with energy-efficient performance and customized airflow.
- Smart management. Cool spaces efficiently and manage the air conditioning unit even while away, with features designed for efficiency and control.
- Easy, flexible setup. Install and maintain even multiple units with a compact and easily accessible design.

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# 1. Line up

#### 1-1. Indoor units



#### 1-2. Outdoor units



# 2. Specification

### Duct S

	Model Name	Indoor Unit			AC030MNHDCH/AA	AC036MNHDCH/AA	
	Model Name	Outdoor Unit			AC030JXSCCH/AA	AC036JXSCCH/AA	
	Mode			-	HEAT PUMP	HEAT PUMP	
				kW	4.10 / 8.79 / 10.55	4.10 / 10.55 / 12.31	
			Cooling	Btu/h	14,000 / 30,000 / 36,000	14,000 / 36,000 / 42,000	
	5 (	Capacity		US RT	1.17 / 2.50 / 3.00	1.17 / 3.00 / 3.50	
	Performance	(Min/Std/Max)		kW	3.37 / 9.38 / 11.43	3.52 / 11.72 / 14.07	
			Heating	Btu/h	11,500 / 32,000 / 39,000	12,000 / 40,000 / 48,000	
				US RT	0.96 / 2.67 / 3.25	1.00 / 3.33 / 4.00	
		PowerInput (Min/	Cooling	kW	0.87 / 2.73 / 3.20	0.93 / 2.95/ 3.60	
		Std/Max)	Heating	KVV	0.72 / 2.46/ 5.00	0.72 / 3.51 / 5.50	
	Power	Current Input	Cooling	۸	4.8 / 12.3 / 14.0	4.8 / 13.5 / 17.0	
	Powei	(Min/Std/Max)	Heating	A	3.7 / 11.7 / 22.5	3.7 / 15.8 / 23.0	
		Current	MCA		32	32	
		Current	МОР	A	45	45	
	Efficiency	EER	Cooling (US)	(Btu/h)/W	11.00	12.20	
		EER	Cooling -		-	-	
		COP	Heating	W/W	3.81	3.34	
		SEER		-	19.0	20.0	
_		HSPF		-	10.1	10.4	
System		Liquid Pipe		Туре	Flare connection	Flare connection	
		Liquid Fipe		Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")	
		Gas Pipe		Type	Flare connection	Flare connection	
	Piping	das ripe		Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")	
	Connections	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
	Connections		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)	
		Piping length	Max.	m (ft)	75 (246.0)	75 (246.0)	
		(ODU-IDU)	Elevation	m (ft)	30 (98.4)	30 (98.4)	
			Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)	
	Wiring	Communication	Min.	mm²	0.75	0.75	
	connections		Remark	-	F1, F2	F1, F2	
		Туре			R410A	R410A	
	Refrigerant	Factory Charging		kg	2.90	2.90	
				lbs	6.40	6.40	
	Option Code	Standard		-	01B0EC-1E54B8- 275A64-376020	01B0EC-1E5403- 276470-376045	
	Option code	Install		-	020000-120000-200000- 300000	020000-120000-200000- 300000	

# 2. Specification

		Indoor Unit			AC030MNHDCH/AA	AC036MNHDCH/AA	
	Model Name	Outdoor Unit			AC030JXSCCH/AA	AC036JXSCCH/AA	
	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
	,	Туре		-	Fin & Tube	Fin & Tube	
	Haat ayaban sa	Material	Fin	-	Al	Al	
	Heat exchanger	Material	Tube	-	Cu	Cu	
		Fin Treatment		-	Green Hydrophile	Green Hydrophile	
		Туре		-	Sirocco	Sirocco	
		Quantity		ea	3	3	
				m³/min	25 / 22 / 19	33 / 28 / 24	
	Fan	Airflow Rate	H/M/L	ft³/min	883 / 777 / 671	1165 / 989 / 848	
	rall			l/s	417 / 367 / 317	550 / 467 / 400	
		External Static		mmAq	3/4/20	3/4/20	
		Pressure	Min/Std/Max	Pa	30 / 40 / 199	30 / 40 / 199	
		Fiessure		In Wg	0.12 / 0.16 / 0.80	0.12 / 0.16 / 0.80	
	Fan Motor	Туре		-	BLDC	BLDC	
	Fall MOTOL	Output		Wxn	153 x 1	244 x1	
	Drain	Drain Pipe		Φ, mm	VP25 (OD32 ID 25) 1-1/16" for 3/4" PVC with included Drain socket	VP25 (OD32 ID 25) 1-1/16" for 3/4" PVC with included Drain socket	
	Sound	Sound Pressure Level	H/M/L/ (Silent)	dB(A)	37 / 33 / 29	38 / 34 / 30	
Indoor		Sound Power Level		dB(A)	59	60	
Unit		Net Weight		kg (lbs)	40.5 (89.3)	45.2 (99.6)	
	External Dimension	Shipping Weight		kg (lbs)	45.0 (99.2)	50.0 (110.2)	
		Net Dimensions (WxHxD)		mm	1,200 x 250 x 700	1,300 x 300 x 700	
				inch	47.2 x 9.8 x 27.6	51.2 x 11.8 x 27.6	
		Shipping Dimensions (WxHxD)		mm	1,429 x 320 x 779	1,529 x 370 x 779	
				inch	56.3 x 12.6 x 30.7	60.2 x 14.6 x 30.7	
	Casing	Material		-	STEEL	STEEL	
	Control System	Infrared remote co		-	-	-	
	Control System	Wired remote control		-	-	-	
	Drain Pump	Drain Pump		-	Built In	Built In	
		Max. lifting Height	/ Displacement	in / gal/h	29.5 / 6.34	29.5 / 6.34	
	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
		Туре		-	FMC	FMC	
	Heat Exchanger	Material	Fin	-	Al	Al	
			Tube	-	Al	Al	
Outdoor		Fin Treatment		-	Hybrid Coating	Hybrid Coating	
Unit		Model Name		-	UG5T450FUEJX	UG5T450FUEJX	
		Туре		-	Twin BLDC	Twin BLDC	
	Compressor	Output		kW	4.12	4.12	
		Oil	Туре	-	PVE	PVE	
		Oil	Initial charge	cc (fl oz)	1,700(57.48)	1,700(57.48)	

## 2. Specification

	Madal Nama	Indoor Unit			AC030MNHDCH/AA	AC036MNHDCH/AA	
	Model Name	Outdoor Unit			AC030JXSCCH/AA	AC036JXSCCH/AA	
		Туре		-	Propellar	Propellar	
		Discharge direction	n	-	Front	Front	
	Fan	Quantity		EA	2	2	
	rdii			m³/min	125	125	
		Airflow Rate		ft³/min	4,415	4,415	
				l/s	2,084	2,084	
	Fan Motor	Туре		-	BLDC	BLDC	
	Fall Motor	Output		Wxn	125 x 2	125 x 2	
	Sound	Sound Pressure	Cooling		49	51	
Outdoor		Sourid Pressure	Heating	dB(A)	51	53	
Unit		Sound Power			64	66	
		Net Weight		kg (lbs)	96.0 (211.6)	96.0 (211.6)	
		Shipping Weight		kg (lbs)	106.0 (233.7)	106.0 (233.7)	
	External	Not Dimensions (M	Net Dimensions (WxHxD)		940 x 1,420 x 330	940 x 1,420 x 330	
	Dimension	Net Differsions (V	VXHXD)	inch	37.0 x 55.9 x 13.0	37.0 x 55.9 x 13.0	
		Chinning Dimensis	ne (MvHvD)	mm	995 x 1,598 x 426	995 x 1,598 x 426	
		Shipping Dimensio	Shipping Dimensions (WxHxD)		39.2 x 62.9 x 16.8	39.2 x 62.9 x 16.8	
	Casing	Material	Body	-	STEEL	STEEL	
	Operating	Cooling		°C (°F)	-20~46 (-4~115)	-20~46 (-4~115)	
	Temp. Range	Heating		°C (°F)	-25~24 (-13.0~75.2)	-25~24 (-13.0~75.2)	



- Specification may be subject to change without prior notice.
- 1) Capacities are based on (Equivalent refrigerant piping: 7.5m(24.6ft), Level differences: 0m(0ft))
  - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB / Outdoor temperature : 95°F(35°C) DB, 75°F (23.9°C) WB
  - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB / Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power: 1pW
  - Measured according to ISO 3741
- 5) These products contain R410A which is fluorinated greenhouse gas.

# 3. Summary Table

### **Performance characteristics**

#### Indoor unit

	Not Waight	Capacity				
Model Code	Net Weight kg (lbs)		Cooling (Btu/h)	Heating (Btu/h)		
AC030MNHDCH	40 E	Max.	36,000	39,000		
	40.5 (86.3)	Std.	30,000	32,000		
		Min.	14,000	11,500		
	45.2 (99.6)	Max.	42,000	48,000		
AC036MNHDCH		Std.	36,000	40,000		
		Min.	14,000	12,000		

Fan Speed	Airflow (CFM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
High	883	37	59
Mid.	777	33	-
Low	671	29	-
High	1,165	38	60
Mid.	989	34	-
Low	848	30	-

## NOTE

• Sound data is based on cooling operation.

#### Outdoor unit

Canacity		Net Size	Not Woight	Airflow	Sound Pressur	Sound Power Level		
Capacity (Btu/h)	Model Code	(WxHxD , inch)	Net Weight kg (lbs)	(CFM)	Cooling	Heating	(dBA)	
30,000	AC030JXSCCH	37.0 x 55.9 x 13.0	96.0 (211.6)	4,415	49	51	64	
36,000	AC036JXSCCH	37.0 x 55.9 x 13.0	96.0 (211.6)	4,415	51	53	66	

# 3. Summary Table

#### **Electrical Characteristics**

Model	Outdoor Unit			Input Current(Amperes)				Power Supply			
landa a allada			Voltage range		Outdoor Unit		la de estici		1464 (4)		
Indoor Unit	Outdoor Unit	Hz	Volts	Min.	Min. Max. Cooling Heating	Indoor Unit	Total	MCA (A)	MOP(A)		
AC030MNHDCH	AC030JXSCCH	60	208~230	187	253	24	24	4	28	32	45
AC036MNHDCH	AC036JXSCCH	60	208~230	187	253	24	24	4	28	32	45

### NOTE

• MCA: Minimum circuit amperes

• MOP: Maximum Overcurrent Protective Device (A)

• Select wire size based on the value of MCA

## 4. Capacity Table

#### AC030MNHDCH/AA + AC030JXSCCH/AA

#### Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor	Indoor Temperature (°F, DB / WB)																				
Temperature		68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75	
(°F, DB)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
(1,00)	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	32.2	23.1	1.7	33.0	23.6	1.7	33.8	24.2	1.8	34.6	24.8	1.8	34.9	25.1	1.8	35.8	25.7	1.9	36.3	26.0	1.9
70	32.1	23.0	2.1	32.9	23.6	2.2	33.7	24.1	2.2	34.5	24.7	2.3	34.8	25.0	2.3	35.7	25.6	2.4	36.2	26.0	2.4
95	27.9	20.0	2.5	28.6	20.5	2.6	29.3	21.0	2.6	30.0	21.5	2.7	30.3	21.7	2.7	31.0	22.2	2.8	31.5	22.6	2.8
115	24.6	17.7	3.3	25.2	18.1	3.4	25.9	18.5	3.5	26.5	19.0	3.6	26.8	19.2	3.6	27.4	19.7	3.7	27.8	19.9	3.8

#### Heating

TC : Total Capacity, PI : Power Input

									- ' '	. Total Cap	Jucity, 11.1	ower impac
Outdoor					Ir	idoor Tempera	ature (°F, DB)					
	6	61		64		68		0	7	'2	75	
Temperature (°F, DB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
( F, DB)	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	30.3	5.6	30.0	5.5	29.7	5.5	29.4	5.4	29.1	5.3	28.8	5.3
-4	32.8	5.7	32.4	5.6	32.1	5.6	31.8	5.5	31.5	5.4	31.2	5.4
5	38.9	5.7	38.6	5.6	38.2	5.6	37.8	5.5	37.4	5.4	37.0	5.4
14	39.0	5.3	38.7	5.2	38.3	5.2	37.9	5.1	37.5	5.0	37.1	5.0
23	39.3	4.9	38.9	4.9	38.5	4.8	38.1	4.8	37.7	4.8	37.3	4.7
32	37.6	3.9	37.2	3.9	36.9	3.8	36.5	3.8	36.1	3.8	35.8	3.7
41	35.5	2.9	35.2	2.9	34.8	2.8	34.5	2.8	34.2	2.8	33.8	2.7
47	33.0	2.5	32.6	2.5	32.3	2.5	32.0	2.5	31.7	2.4	31.4	2.4
55	38.0	2.8	37.6	2.8	37.3	2.7	36.9	2.7	36.5	2.7	36.2	2.6
65	44.1	2.7	43.7	2.7	43.2	2.6	42.8	2.6	42.4	2.6	41.9	2.5
75.2	48.2	2.8	47.7	2.8	47.3	2.7	46.8	2.7	46.3	2.7	45.9	2.6

#### AC036MNHDCH/AA + AC036JXSCCH/AA

#### Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity, PI: Power Input

Outdoor	Indoor Temperature (°F, DB / WB)																				
Temperature	68 / 57		72 / 61		77 / 64			80 / 67		82 / 70		86 / 72			90 / 75						
(°F, DB)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
(1,00)	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	38.9	29.1	2.3	39.8	29.9	2.4	40.8	30.6	2.5	41.8	31.4	2.5	42.2	31.7	2.5	43.2	32.4	2.6	43.9	32.9	2.6
70	36.7	27.5	2.4	37.6	28.2	2.5	38.6	28.9	2.6	39.5	29.6	2.6	39.9	29.9	2.7	40.9	30.6	2.7	41.5	31.1	2.8
95	33.5	25.1	2.7	34.3	25.7	2.8	35.1	26.4	2.9	36.0	27.0	3.0	36.4	27.3	3.0	37.2	27.9	3.1	37.8	28.3	3.1
115	31.4	23.6	3.8	32.2	24.1	3.9	33.0	24.7	4.0	33.8	25.4	4.1	34.1	25.6	4.1	35.0	26.2	4.2	35.5	26.6	4.3

#### Heating

TC: Total Capacity, PI: Power Input

Outdoor	Indoor Temperature (°F, DB)											
Outdoor	6	1	64		6	68		70	7	'2	75	
Temperature (°F, DB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
( F, DB)	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	33.5	5.7	33.2	5.6	32.8	5.6	32.5	5.5	32.2	5.4	31.9	5.4
-4	37.6	5.7	37.2	5.6	36.9	5.6	36.5	5.5	36.1	5.4	35.8	5.4
5	40.2	5.8	39.8	5.7	39.4	5.7	39.0	5.6	38.6	5.5	38.2	5.5
14	43.4	5.4	42.9	5.3	42.5	5.3	42.1	5.2	41.7	5.1	41.3	5.1
23	44.5	4.9	44.1	4.9	43.6	4.8	43.2	4.8	42.8	4.8	42.3	4.7
32	43.8	4.7	43.4	4.7	42.9	4.6	42.5	4.6	42.1	4.6	41.7	4.5
41	43.3	3.9	42.8	3.9	42.4	3.8	42.0	3.8	41.6	3.8	41.2	3.7
47	41.2	3.6	40.8	3.6	40.4	3.5	40.0	3.5	39.6	3.5	39.2	3.4
55	45.8	3.7	45.4	3.7	44.9	3.6	44.5	3.6	44.1	3.6	43.6	3.5
65	50.0	3.7	49.5	3.7	49.0	3.6	48.5	3.6	48.0	3.6	47.5	3.5
75.2	52.6	3.8	52.1	3.8	51.6	3.7	51.1	3.7	50.6	3.7	50.1	3.6

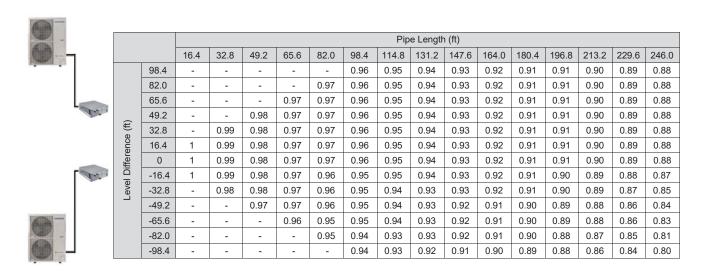
### NOTE

• Capacities are based on following conditions; Refrigerant pipe length: 7.5m (24.6ft) / Level difference: 0m (0ft).

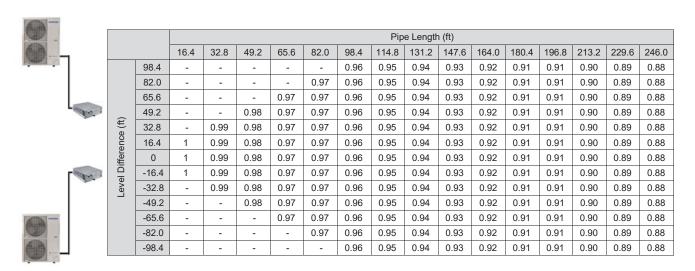
## 5. Capacity Correction

#### ACO30MNHDCH/AA + ACO30JXSCCH/AA, ACO36MNHDCH/AA + ACO36JXSCCH/AA

#### Cooling



#### Heating

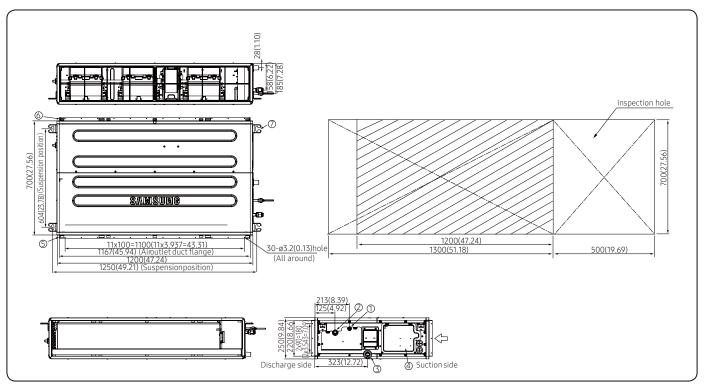


# 6. Dimensional Drawing

#### Indoor unit

#### AC030MNHDCH/AA

Units: mm [inches]



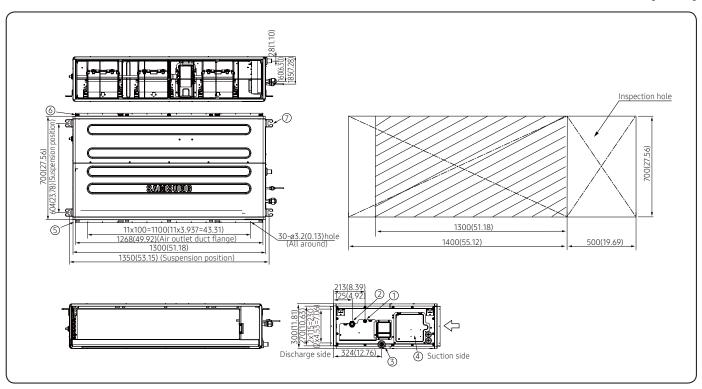
NO	Name	Description
1	Liquid pipe connection	Ø3/8" (9.52)
2	Gas pipe connection	Ø5/8" (15.88)
3	Drain pipe connection	ODØ1.26"(32) IDØ0.98"(25) 1 -1/16" for 3/4" PVC with included Drain socket
4	Power supply connection	-
5	Air discharge flange	-
6	Airfilter	-
7	Hook	ø9.52( 3/8" ) or M10

# 6. Dimensional Drawing

#### Indoor unit

#### AC036MNHDCH/AA

Units: mm [inches]



NO	Name	Description
1	Liquid pipe connection	Ø3/8" (9.52)
2	Gas pipe connection	Ø5/8" (15.88)
3	Drain pipe connection	ODØ1.26"(32) IDØ0.98"(25) 1-1/16" for 3/4" PVC with included Drain socket
4	Power supply connection	-
5	Air discharge flange	-
6	Air filter	-
7	Hook	ø9.52( 3/8" ) or M10

16

# 6. Dimensional Drawing

#### Outdoor unit

#### AC030/036JXSCCH/AA

Units: mm [inches]

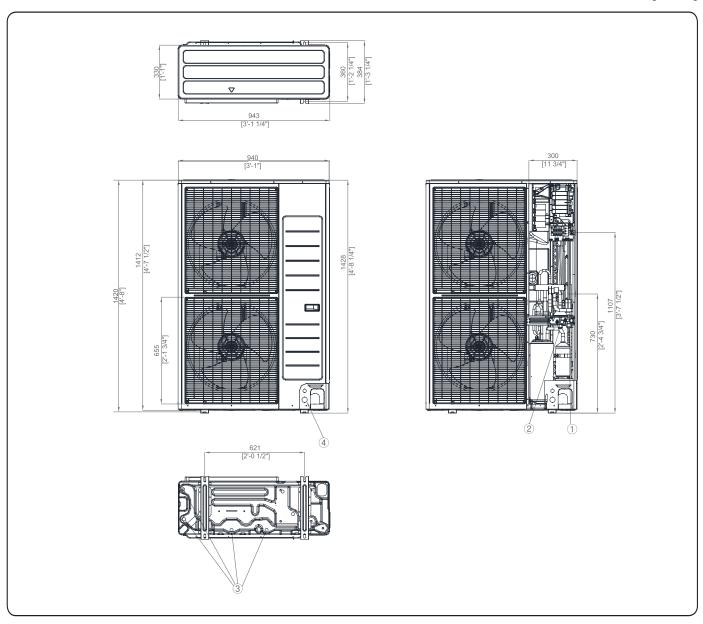
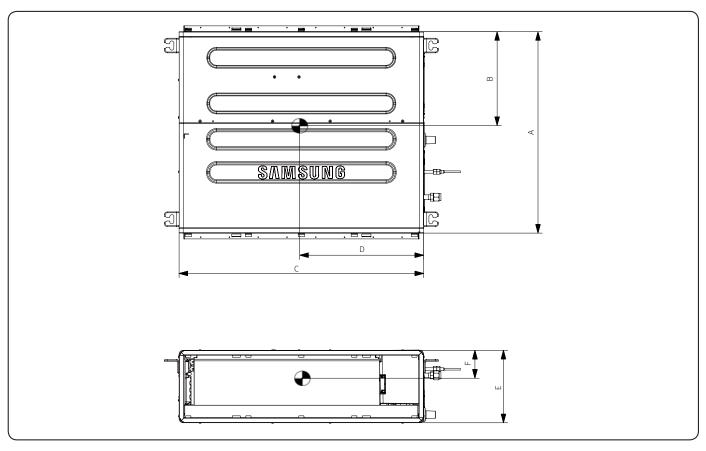


	Table of descriptions										
1	Refrigerant gas pipe	Ø5/8" (15.88)									
2	Refrigerant liquid pipe	Ø3/8" (9.52)									
3	Drain Hole										
4	Power & Comm. wiring conduits										

# 7. Center of Gravity

### Indoor unit

Units: mm [inches]

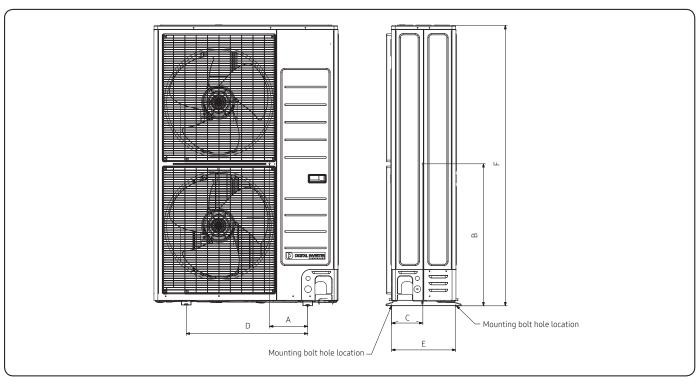


Model	А	В	С	D	Е	F
AC030MNHDCH	700	265	1250	565	252	105 [4 15 /1/]
ACOSOMINIDEII	[27-9/16]	[10-7/16]	[49-3/16]	[18-5/16]	[9-15/16]	125 [4-15/16]
A COZZAMNILIDOLI	700	265	1350	650	301	150 [5-15/16]
AC036MNHDCH	[27-9/16]	[10-7/16]	[53-1/8]	[25-5/8]	[11-13/16]	130 [3-13/16]

# 7. Center of Gravity

#### Outdoor unit

Units : mm [inches]

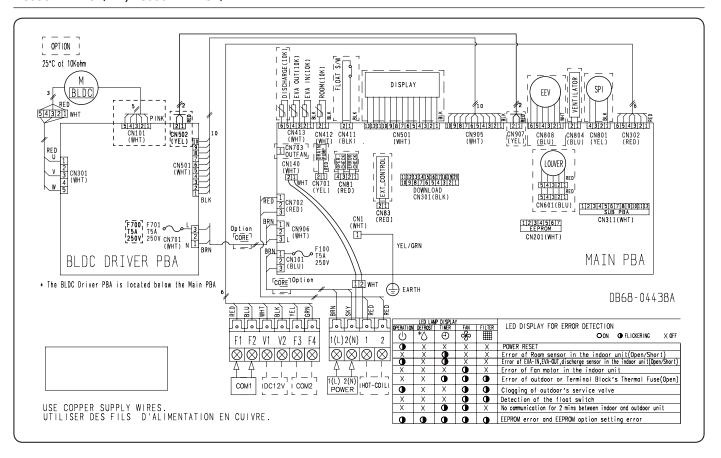


Model	А	В	С	D	E	F
AC030JXSCCH	195	725	160	620	328	1431.4
AC036JXSCCH	[7-11/16]	[28-9/16]	[6-5/16]	[24-7/16]	[12-15/16]	[56-3/8]

## 8. Electrical Wiring Diagram

#### Indoor unit

#### AC030MNHDCH/AA, AC036MNHDCH/AA



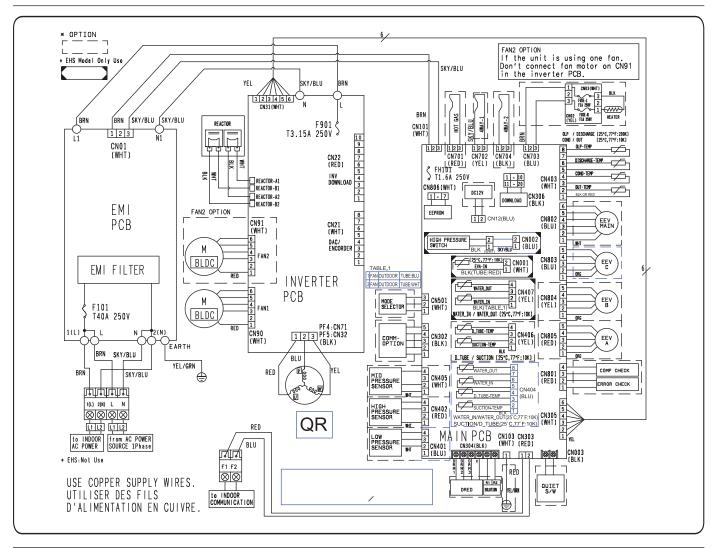
MAIN PBA	Printed Circuit Board (MAIN)	SPI	S-Plasma ion	ROOM(10K)	Thermistor ROOM OUT (10K)
BLDC DRIVER PBA	Printed Circuit Board (BLDC DRIVER)	EEV	Electronic Expansion Valve	EVA-IN(10K)	Thermistor EVA IN (10K)
SUB PBA	Printed Circuit Board (SUB)	EXT_CONTROL	EXTERNAL_CONTROL	EVA-OUT(10K)	Thermistor EVA OUT (10K)
M-BLDC	BLDC Motor			DISCHARGE(10K)	Thermistor DISCHARGE (10K)

- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow: blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- Protective earth (SCREW)

## 8. Electrical Wiring Diagram

#### **Outdoor unit**

#### AC030/036JXSCCH/AA



MAIN PCB	Printed circuit board (MAIN)	EEV	Electronic Expansion Valve	DIS-TH	Thermistor DISCHARGE
M-BLDC	BLDC Motor	COND-TH	Thermistor CONDENSOR	OUT-TH	Thermistor AMBIENT
SMPS PBA	Printed circuit board (POWER)	OLP-TH	Thermistor OLP		

- This wiring diagram applies only to the Outdoor unit.
- Symbols show as follow: blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
- For connection wiring indoor-outdoor transmission F1-F2
- Protective earth (SCREW)

## 9. Sound Data

#### Sound Pressure level

#### Indoor unit

Discharge Suction

Duct Duct

2m

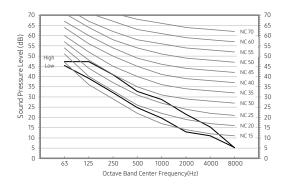
Microphone

Model	High	Mid	Low
AC030MNHDCH/AA	37	33	29
AC036MNHDCH/AA	38	34	30

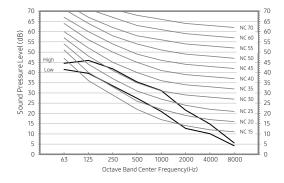
Unit: dB(A)

NC Curve

#### 1) AC030MNHDCH/AA



#### 2) AC036MNHDCH/AA



- Specifications may be subject to change without prior notice.
- Sound pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

## 9. Sound Data

#### Outdoor unit

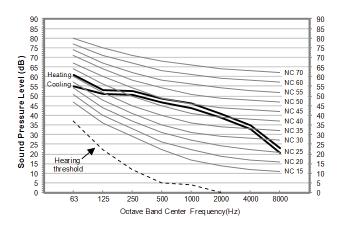
Unit: dB(A)

Microphone 1m	
Front	

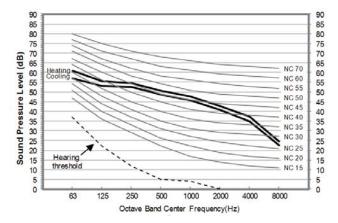
Model	Cooling	Heating
AC030JXSCCH/AA	49	50
AC036JXSCCH/AA	51	53

#### NC Curve

#### 1) AC030JXSCCH/AA



#### 2) AC036JXSCCH/AA



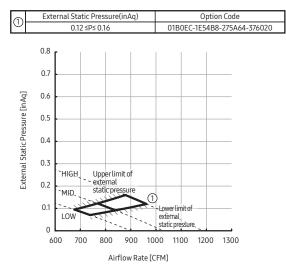
- Specifications may be subject to change without prior notice.
- Sound pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB =  $20\mu$ Pa

# 10. Fan characteristics (P-Q Curve)

Option Code

Option Code

#### 1) AC030MNHDCH/AA



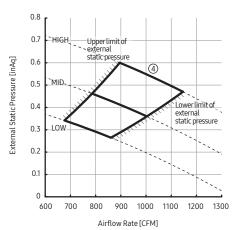
	External Static Pressure(inAq)	Option Code
IGL	0.16 < P≤ 0.30	01B0EC-1E5920-275A64-376020
essure [inAq]	0.16 < P≤ 0.30 0.8 0.7 0.6 0.5	01B0EC-1E5920-275A64-376020
External Static Pressure [inAq]	0.4 HIGH Upper limit of external static pressure  0.3 MID.  0.2 LOW	2 Covertimit of external static pressure
	0	
	600 700 800 900 10	00 1100 1200 1300
	Airflow Rate [C	FM]

	,		
0.30 < P≤	0.47	01B0EC-1E5	997-275A64-376020
0.8 0.7 0.6 HIGH Up	0.47		
0.2 LOW 0.1		exte	er limit of rnal c pressure
600 700			00 1300
	0.8 0.7 0.6 0.5 	0.30 < P≤ 0.47  0.8  0.7  0.6  HIGH Upper limit of external static pressure  0.4  1.0  1.0  1.0  1.0  1.0  1.0  1.0	0.30 < P≤ 0.47

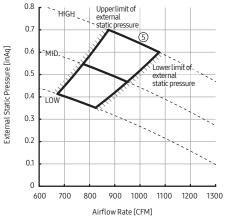
External Static Pressure(inAq)

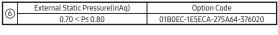
External Static Pressure(inAq)

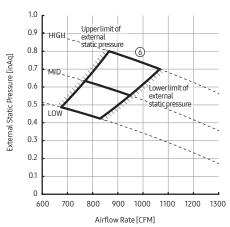
	External Static Pressure(inAq)	Option Code
(4)	0.47 < P≤ 0.60	01B0EC-1E5D0E-275A64-376020



	0.60 < P≤ 0.70	01B0EC-1E5E64-275A64-37602
	0.8 Upper limit of external static pressure	
=		<u> </u>

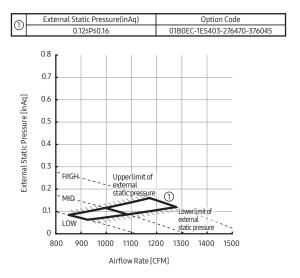


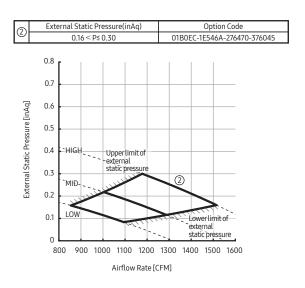


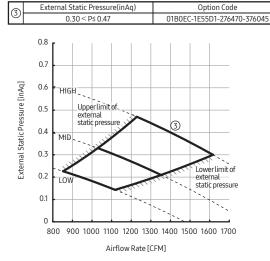


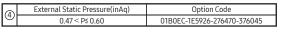
## 10. Fan characteristics (P-Q Curve)

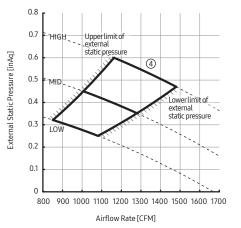
#### 2) AC036MNHDCH/AA



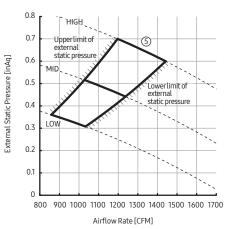


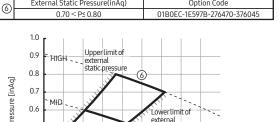






<u>6</u>	External Static Pressure(inAq)	Option Code
9	0.60 < P≤ 0.70	01B0EC-1E5959-276470-376045





Option Code

External Static Pressure(inAq)

# 11. Operation Range

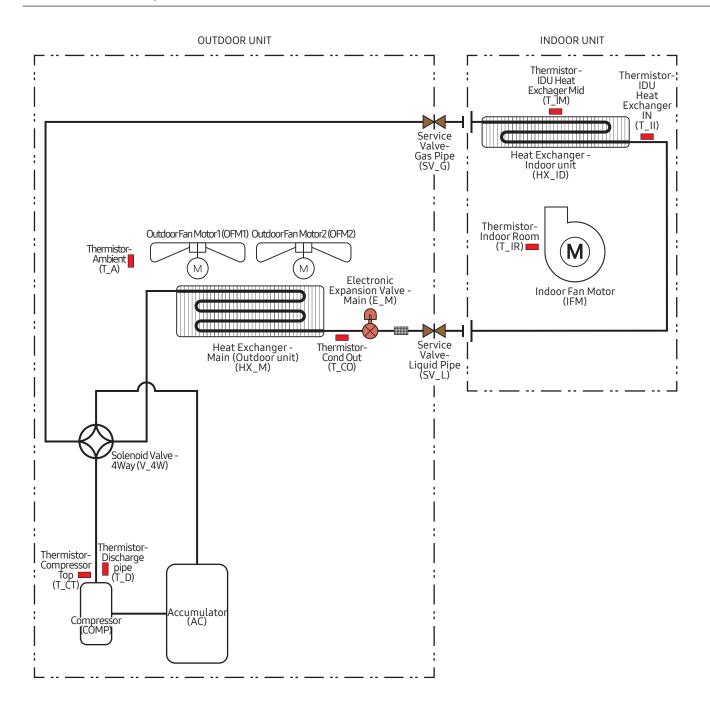
Mada	Outdoor Unit	Indoor Unit	Indoor Unit
Mode	Temperature (DB)	Temperature (DB)	Humidity (RH)
COOL	-4°F ~ 115°F	64.4°F ~ 89.6°F	80% or less
HEAT	-13°F ~ 75.2°F	86°F or less	-
DRY	-4°F ~ 115°F	64.4°F ~ 89.6°F	80% or less

## ■ NOTE

- The assumed installation conditions are follows
  - The pipe length (including elbow) is 16.4 ft.
  - The level difference is 0 ft.

## 12. Piping Diagram

#### AC030JXSCCH/AA, AC036JXSCCH/AA



#### 13-1. Indoor unit

#### Indoor unit installation

When deciding on the location of the air conditioner with the owner, the following restrictions must be taken into account.

1 Place the pattern sheet on the ceiling at the spot where you want to install the indoor unit.



- Since the diagram is made of paper, it may shrink or stretch slightly due to temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.
- 2 Insert bolt anchors. Use existing ceiling supports or construct a suitable support as shown in figure.
- 3 Install the suspension bolts depending on the ceiling type.



- Ensure that the ceiling is strong enough to support the weight of the indoor unit. Before hanging the unit, test the strength of each attached suspension bolt.
- If the length of suspension bolt is more than 4.92ft(1.5m), it is required to prevent vibration.
- If this is not possible, create an opening on the false ceiling in order to be able to use it to perform the required operations on the indoor unit.
- 4 Screw eight nuts to the suspension bolts making space for hanging the indoor unit.



- You must install all the suspension rods.
- 5 Hang the indoor unit to the suspension bolts between two nuts.

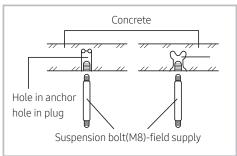


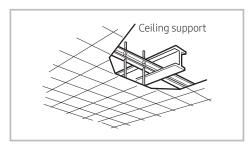
- Piping must be laid and connected inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the piping into position for connection to the unit before placing the unit inside the ceiling.
- 6 Screw the nuts to suspend the unit.
- 7 Adjust level of the unit by using measurement plate for all 4 sides.

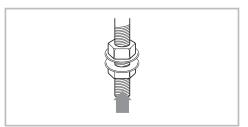


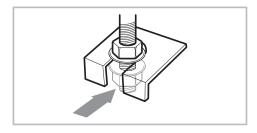
For proper drainage of condensate, give a 0.118inch(3mm) slant to the left or right side of the unit which will be connected with the drain hose, as shown in the figure.
 Make a tilt when you wish to install the drain pump, too.

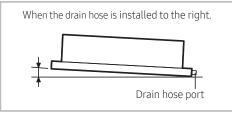










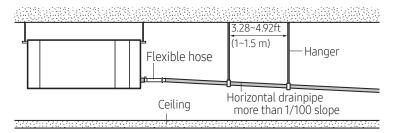


#### 13-1. Indoor unit

#### **Drainpipe Connection**

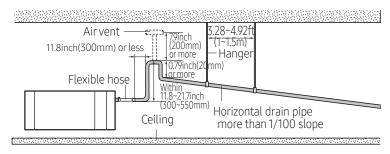
#### Without the drain pump

- 1. Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 3.28~4.92ft (1.0~1.5m).
- 2. Install U-trap at the end of the drainpipe to prevent a nasty smell to reach the indoor unit.
- 3. Do not install the drainpipe to upward position. It may cause water flow back to the unit.



#### With the drain pump

- 1. The drain pipe should be installed within 11.8inch(300mm) to 21.7inch(550mm) from the flexible hose and then lift down 0.79inch(20mm) or more.
- 2. Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 3.28~4.92ft(1.0~1.5m).
- 3. Install the air vent in the horizontal drain pipe to prevent water flow back to the indoor unit.
  - NOTE
- You may not need to install it if there were proper slope in the horizontal drainpipe.
- 4. The flexible hose should not be installed in an upward position, it may cause water flow back to the indoor unit.



#### 13-1. Indoor unit

#### Connecting the connection cord



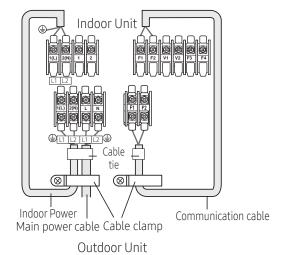
- Always remember to connect the refrigerant pipes before performing the electric connections. When disconnecting the system, always disconnect the electric cables before disconnecting the refrigerant pipes.
- Always remember to connect the air conditioner to the grounding system before performing the electric connections.

The indoor unit is powered by the outdoor unit by means of a H07 RN-F connection cable (or a more power model), with insulation in synthetic rubber and jacket in polychloroprene(neoprene), in accordance with the requirements of standard EN 60335-2-40.

- 1. Remove the screw on the electrical component box and remove the cover plate.
- 2. Route the connection cord through the side of the indoor unit and connect the cable to terminals; refer to the figure below.
- 3. Route the other end of the cable to the outdoor unit through the ceiling & the hole on the wall.
- 4. Reassemble the electrical component box cover, carefully tightening the screw.

#### Wiring diagram

#### 1 phase

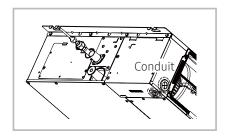


#### 13-1. Indoor unit

#### Between Indoor and Outdoor Connection cable Specifications(Common in use)

Indoor Power supply			Communication Cable	
Power Supply	Max/Min(V)	Indoor Power cable	Communication Cable	
208~230V/60Hz	±10%	0.0039in²↑,3wires	0.0011~0.0023in²,2wires	

- \* Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 57 / CENELEC: H05RN-F or IEC:60245 IEC 66 / CENELEC: H07RN-F)
- \* Screws on terminal block must not be unscrewed with the torque less than 12 kgf•cm.
- \* Since it has the external power supply, refer to the outdoor unit installation manual for MAIN POWER.
- \* Be sure to run the power supply cable and the communication cable through electrical conduit as seen in the picture.



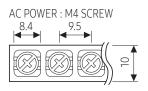


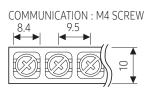
Be sure not to put your finger into the conduit.



When installing the indoor unit in a computer room, use the double shielded(Tape aluminum / polyester braid + copper)cable of FROHH2R type.

#### Terminal Block SPEC (Indoor)





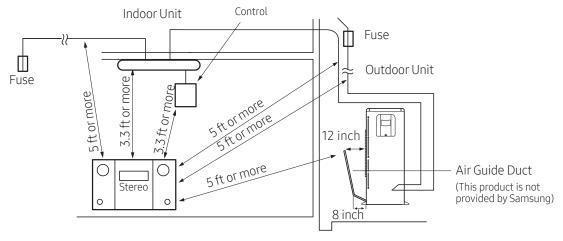
Tightening Torque			
M4	12.0~18.0 (kgf·cm)	0.86~1.30 (lbf·ft)	

#### 13-1. Indoor unit

#### Deciding on where to install the outdoor unit

#### **Outdoor Unit**

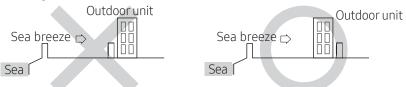
- ▶ The outdoor unit must not be placed on its side or upside down, as the compressor lubrication oil will run into the cooling circuit and seriously damage the unit.
- ▶ Choose a location that is dry and sunny, but not exposed to direct sunlight or strong winds.
- ▶ Do not block any passageways or thoroughfares.
- ► Choose a location where the noise of the air conditioner when running and the discharged air do not disturb any neighbors.
- ▶ Choose a position that enables the pipes and cables to be easily connected to the indoor unit.
- ▶ Install the outdoor unit on a flat, stable surface that can support its weight and does not generate any unnecessary noise and vibration.
- ▶ Position the outdoor unit so that the air flow is directed towards the open area.
- ▶ Maintain sufficient clearance around the outdoor unit, especially from a radio, computer, stereo system, etc.



- ▶ If the outdoor unit is installed at a height, ensure that its base is firmly fixed in position.
- ▶ When you install the outdoor unit at wayside, you should install it above 6.6 ft height or make sure that the heat from the outdoor unit shouldn't be in direct contact with passersby.
- You have just purchased a system air conditioner and it has been installed by your installation specialist.
- This device must be installed according to the national electrical rules.

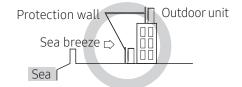
#### 13-2. Outdoor unit

- ▶ When installing the outdoor unit near seashore, make sure it is not directly exposed to sea breeze. If you can not find a adequate place without direct see breeze, protection wall should be constructed.
  - Install the outdoor unit in a place (such as near buildings etc.) where it can be protected from sea breeze which can damage the outdoor unit.



- If you cannot avoid installing the outdoor unit by the seashore, construct a protection wall around to block the sea breeze.

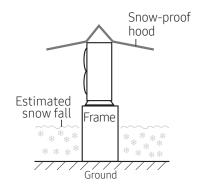
Protection wall should be constructed with a solid material such as concrete to block the sea breeze and the height and the width of the wall should be 1.5 times larger than the size of the outdoor unit. Also, secure over 27.6 inch between the protection wall and the outdoor unit for exhausted air to ventilate.



- Install the outdoor unit in a place where water can drain smoothly.
- If you cannot find a place satisfying above conditions, please contact manufacturer. Make sure to clean the sea water and the dust on the outdoor unit heat exchanger and spread corrosion inhibitor on heat exchanger. (At least one time per one year.)



• In areas with heavy snow fall, piled snow could block the air intake. To avoid this incident, install a frame that is higher than estimated snow fall. In addition, install a snow-proof hood to avoid snow from piling on the outdoor unit.

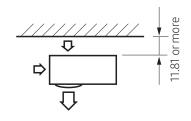


#### 13-2. Outdoor unit

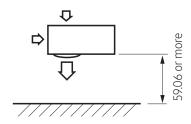
#### Space Requirements for Outdoor Unit

#### When installing 1 outdoor unit

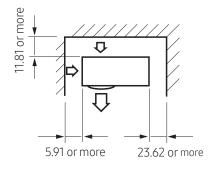
(Unit : inch)



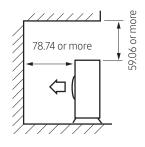
\* When the air outlet is opposite the wall



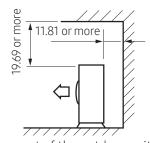
\* When the air outlet is towards the wall



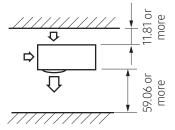
\* When 3 sides of the outdoor unit are blocked by a wall



\* The upper part of the outdoor unit and the air outlet is towards the wall



 $\ensuremath{\mathsf{X}}$  The upper part of the outdoor unit and the air outlet is opposite the wall

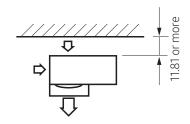


 $\ensuremath{\mathsf{ iensuremath{\mathsf{ iensuremath{\mathsf{W}}}}}$  When front and rear side of the outdoor unit is towards the wall

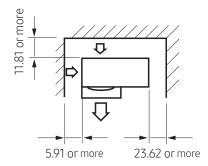
#### 13-2. Outdoor unit

#### When installing 1 outdoor unit (with wind baffle)

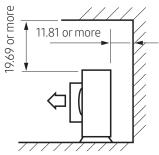
▶ Wind baffle is not supplied with the product.



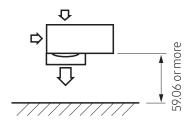
 $\times$  When the air outlet is opposite the wall



\* When 3 sides of the outdoor unit are blocked by a wall

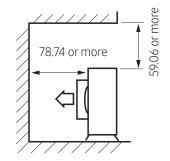


\* The upper part of the outdoor unit and the air outlet is opposite the wall

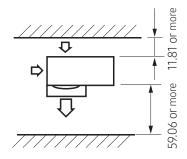


(Unit:inch)

\* When the air outlet is towards the wall



\* The upper part of the outdoor unit and the air outlet is towards the wall

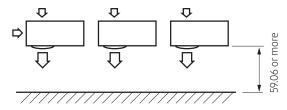


 $\ensuremath{\mathsf{ imes}}$  When front and rear side of the outdoor unit is towards the wall

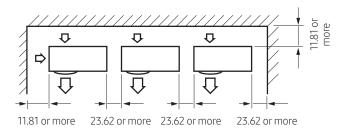
#### 13-2. Outdoor unit

When installing more than 1 outdoor unit

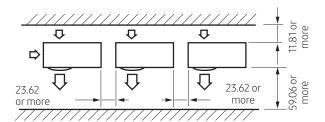
(Unit:inch)



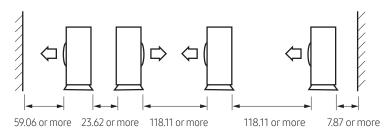
\* When the air outlet is towards the wall



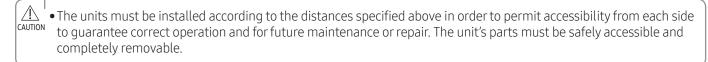
\* When 3 sides of the outdoor unit are blocked by a wall



\* When front and rear side of the outdoor unit is towards a wall



\* When 3 sides of the outdoor unit are blocked by a wall

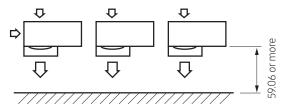


#### 13-2. Outdoor unit

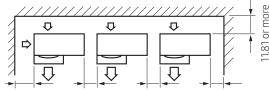
#### When installing more than 1 outdoor unit (with wind baffle)

▶ Wind baffle is not supplied with the product.

(Unit:inch)

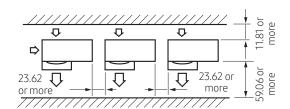


\* When the air outlet is towards a wall

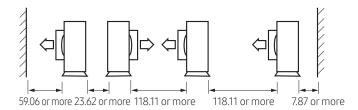


11.81 or more 23.62 or more 23.62 or more 23.62 or more

\* When 3 sides of the outdoor unit are blocked by a wall



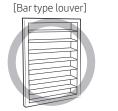
\* When front and rear side of the outdoor unit is towards a wall

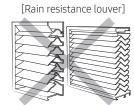


 $\star$  When 3 sides of the outdoor unit are blocked by a wall



• Should adopt bar type louver. Don't use a type of rain resistance louver.





- Louver specifications.
  - Angle criteria: less than 20°
  - Opening ratio criteria: greater than 80%

#### 13-2. Outdoor unit

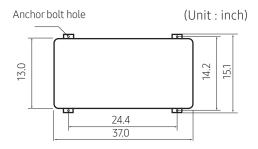
#### **Outdoor unit installation**

The outdoor unit must be installed on a rigid and stable base to avoid increased noise levels and vibration. If the outdoor unit is to be installed in a location exposed to strong winds or high above the ground, the unit must be fixed to an appropriate support (wall or ground).

#### Fix the outdoor unit with anchor bolts.

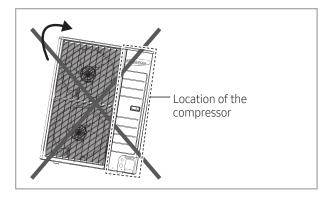


The anchor bolt must be 0.79 inch or higher from the base surface.





- Make a drain outlet around the base for outdoor unit drainage.
- If the outdoor unit is installed on the roof, you have to check the ceiling strength and waterproof the unit.

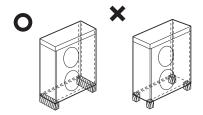


CAUTION

 Make sure that product is level during installation. Especially, product shouldn't be tilted towards the compressor.

#### 13-2. Outdoor unit

#### **Outdoor Unit Support**



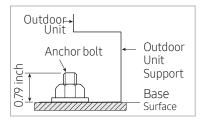
#### OUTDOOR UNIT INSTALLED ON RISERS/STAND OR WALL INSTALLATION

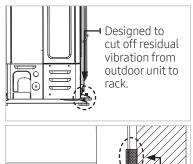
- ▶ Ensure the wall will be able to support the weight of rack and outdoor unit.
- ▶ Install the rack close to the column as much as possible.
- ▶ Install proper grommet in order to reduce noise and residual vibration transferred by outdoor unit towards wall.



#### When installing air guide duct

- Check and make sure that screws do not damage the copper pipe.
- Secure air guide duct on guard fan.







#### 13-2. Outdoor unit

#### Connecting the cable

Two electronic cables must be connected to the outdoor unit.

- ▶ The connection cord between indoor unit and outdoor unit.
- ▶ The power cable between outdoor unit and auxiliary circuit breaker.
- ▶ Be sure to run the power supply cable and the communication cable through electrical conduit as seen in the picture.
- ▶ Separately protect the power and communication cable using approved conduit.
  - Conduit is not supplied with the product.
- ► Make a knockout hole.
- ► After making a knockout hole, apply rust resisting paint around the hole.
- ▶ Secure the cable tube to the outdoor knockout using the CD connector and bushing.

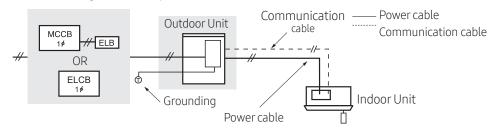


- During unit installation make refrigerant connections first then electrical connections. If removing the unit disconnect electrical cables first, then refrigerant connections.
- Connect the air conditioner to grounding system before performing the electrical connection.
- When installing the unit, you shouldn't use inter connection wire.



#### **Example of Air Conditioner System**

• When using ELCB for 1 phase



\* If an outdoor unit is installed in a place in danger of an electric leak or submergence, you must install the ELCB.



- AC030JXSCCH, AC036JXSCCH
  - ELCB must be installed since this product is equipped with a base heater.

#### 13-2. Outdoor unit

#### **Power Cable Specifications**

- ▶ The power cable is not supplied with air conditioner.
  - Select the power supply cable in accordance with relevant local and national regulations.
  - Wire size must comply with the applicable local and national code.
  - Specifications for local wiring power cord and branch wiring are in compliance with local cord.

Model	Code		Outdoor	Unit			Input Curren	t(Amperes)		Power Supply		
lu da a u l luit	Outed a and I mit	Rated	Volt	age rang	je	Outdoor Unit		la da a a l la it	Tatal	MCA (A)	MOD(A)	
Indoor Unit	Outdoor Unit	Hz	Volts	Min.	Max.	Cooling Heating		Indoor Unit	Total	MCA (A)	MOP(A)	
AC030MNHDCH	AC030JXSCCH	60	208~230	187	253	24	24	4	28	32	45	
AC036MNHDCH	AC036JXSCCH	36JXSCCH 60 208~230 187 25:		253	24	24	4	28	32	45		

#### Between Indoor unit and Outdoor unit Connection Cable Specifications(Common in use)

	Power supply		Communication Cable					
Power supply	Max/Min(V)	Indoor Power Cable	Communication Cable					
1Ф, 208~230V, 60Hz	±10%	0.0039 in <sup>2</sup> ↑, 3wires	0.0011~0.0023 in², 2wires					

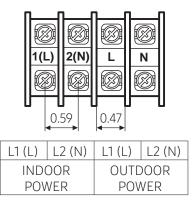
▶ Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 57 / CENELEC: H05RN-F or IEC:60245 IEC 66 / CENELEC: H07RN-F)



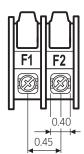
When installing the indoor unit in a computer room or network room, use the double shielded (Tape aluminum / polyester braid + copper) cable of FROHH2R type.

#### 1-phase terminal block spec

AC power: M5 screw



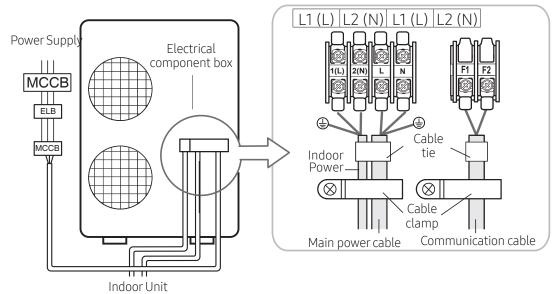
Communication: M4 screw



#### 13-2. Outdoor unit

#### Wiring Diagram of Power Cable

• When using ELB for 1 phase



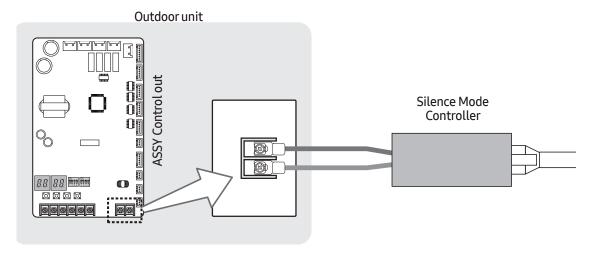
\* The appearance of the unit may be different from the picture depending on the model.



- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 2% of supply rating.
  - If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 4% of supply rating, the indoor unit is protected, stopped and the error mode indicates.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units within ducts. (with appropriate IP rating and material selection for your application)
- Ensure that main supply connection is made through a switch that disconnects all poles, with contact gap of a least 0.12 in.
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.
- Keep distances of 1.97 in. or more between power cable and communication cable.

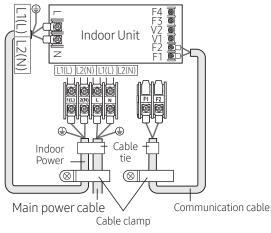
#### 13-2. Outdoor unit

#### Silence mode controller wiring diagram



#### Wiring Diagram of Connection Cord

• 1 phase



Outdoor Unit



- Lay the electrical wiring so that the front cover does not rise up when doing wiring work and attach the front cover securely.
- Ground wire for the indoor unit and outdoor unit connection cable must be clamped to a soft copper tin-plated eyelet terminal with M4 screw hole(NOT SUPPLIED WITH UNIT ACCESSORIES).

#### 13-2. Outdoor unit

The outdoor unit is loaded with sufficient refrigerant for standard piping. Thus, refrigerant must be added if the piping is lengthened. This operation can only be performed by a qualified refrigeration specialist. For volume of additional refrigerant, refer to "How to Calculate the Volume of Additional Refrigerant" section.

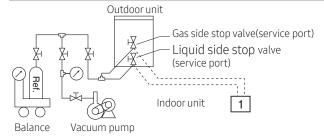
- 1) Check that the stop valve is closed entirely.
- 2) Charge the refrigerant through the service port of liquid stop valve.



- Do not charge the refrigerant through the gas side service port.
- 3) If you cannot charge the refrigerant according to the steps above, following these :
  - 1) Open both liquid stop valve and gas stop valve.
  - 2) Operate the air conditioner by pressing the K2 key on the outdoor unit PCB.
  - 3) About 30 minutes later, charge the refrigerant through the service port of gas stop valve.



• If necessary, refer to the pressure table classified by outdoor temperature.



#### How to Calculate the Volume of Additional Refrigerant

The volume of additional refrigerant is variable according to the length of the liquid pipe. Determine the liquid pipe length before adding refrigerant. This operation can only be performed by a qualified refrigeration specialist.

#### Single installation outdoor unit

Model	Pipe length [ft(m)]	Interconnection pipe length					
AC030/036JXSCCH	0 ~ 246 ft (0 ~ 75 m)	+0.269 oz/ft over 25.0 ft (+25 g/m over 7.5 m)					

### Controller

Classification	Product	Image	Model	Remark
	DMS 2.0	1;	MIM-D00AUN	
Integrated Management System	DMS 2.5		MIM-D01AUN	
	S-NET 3	100 mm m	MST-P3P	
			MIM-B17UN	
Building	BACnet G/W		MIM-B17BUN	
Management System	m	MIM-B18UN		
	LONWORKS G/W	. —	MIM-B18BUN	
	On/Off Controller	5 6 . WIND	MCM-A202DN	
Centralized Control System	Touch Controller		MCM-A300N	
	Wi-Fi Kit	Halima	MIM-H03UN	
	Wireless remote Controller		MR-EH00U	Except for 360 Cassette
	Wheless remote Controller		AR-KH00U	360 Cassette Only
			MWR-WE10N	
Individual Control System		inditions in the state of the s	MWR-WE11N	Include 360 Cassette Airflow Control function
	Wired remote Controller	(1) A (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	MWR-SH00N	Simple Type
		0 % %   1	MWR-SH10N	Touch Simple Type

#### Controller

Classification	Product	Image	Model	Remark
	External room sensor	barrane	MRW-TA	
	Compatible interface module		MIM-N01	
Others	External contact interface module		MIM-B14	
	S-Converter		MIM-C02N	
	Wireless signal receiver	181918 • 🕥	MRK-A10N	Duct type only

• In case you want more information about the accessories, please refer to the control and accessories TDB on pvi. samsung.com or www.SamsungHVAC.com site.

### Indoor Unit's Accessory

Product	Image	Model	Remark
		PC1NUSMAN	Slim 1Way Cassette
		PC1NUPMAN	Slim 1Way Cassette (Z-sliding)
		PC1MWSKAN	Slim 1Way Cassette
		PC4SUSMAN	4 Way Cassette(600 x 600) (Waffle)
		PC4SUSMEN	4 Way Cassette(600 x 600) (Classic)
		PC4NUSKAN	4 Way Cassette (Waffle)
Panel		PC4NUSKEN	4 Way Cassette (Classic)
		PC4NBSKAN	4 Way Cassette (Waffle / Black)
		PC4NUDMAN	360 Cassette Square (White)
		PC4NUNMAN	360 Cassette Circle (White)
		PC4NBDMAN	360 Cassette Square (Black)
		PC4NBNMAN	360 Cassette Circle (Black)

Product	Image	Model	Remark
S-Plasma Ion KIT		MSD-CAN1	[Option] 4Way, 4Way(600x600), 360, Ceiling [Included] Console
5-Ftasilia loli Kil	8	MSD-EAN1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4 Way Cassette(600 x 600)
	Lo	MDP-E075SEE3D	Slim Duct
Drain Pump		MDP-G075SP	Duct S (External)
		MDP-G075SQ	Duct S (Internal)
		MXJ-2D2509K	2 indoor units connection
Joint		MXJ-3D2509K	3 indoor units connection
		MXJ-4D2509K	4 indoor units connection

• In case you want more information about the accessories, please refer to the control and accessories TDB on pvi. samsung.com or www.SamsungHVAC.com site.

## Indoor & Indoor Accessory Compatibility

				1way	/		,		<u></u>	Sli		MSP	Duct	t		B:	SH	O/ Di			0	₽₋	Cc		Floor	罗	
Product	Model	Remark	JSF-0	JSF-1	JSF-2	2way	4way	360	Mini 4way	Slim duct	MSP-S	MSP-0	MSP-1	MSP-2	Duct-S	Big Duct	HSP Duct	5HP	8,10HP	RAC	Ceiling	B-Ceiling	Console	PAC	Floor Standing	ERV Plus	AHU
	PC4NUDMAN	Ceiling						0																			
	PC4NBDMAN	Ceiling (Black)						0																			
	PC4NUNMAN	Open						0																			
	PC4NBNMAN	Open (Black)						0																			
	PC4NUSKAN	Waffle					0																				
	PC4NBSKAN	Waffle (Black)					0																				
	PC4NUSKEN	Classic					0																				
Panel	PC4SUSMAN	Waffle							0																		
	PC4SUSMEN	Classic							0																		
	PC1NUSMAN	Stripe		0																							
	PC1NUPMAN	Z-Slide		0																							
	PC1MWSKAN		0																								
	PC1NWSMAN	Fluid		0																							
	PC1BWSMAN				0																						
	PC2NUSMEN	Stripe				0																					
	MDP-N047SNC0D	-																0									
	MDP-N047SNC1D	-															0		0								
	MDP-M075SGU1D	-										0	0														
DRAIN	MDP-M075SGU2D	-												0													
PUMP	MDP-M075SGU3D	-									0																
	MDP-E075SEE3D	-								0																	
	MDP-G075SP	External, All Capacities													0	0											
	MDP-G075SQ	Internal													0	0											
S-Plasma	MSD-CAN1	-					0		0																		
Ion KIT	MSD-EAN1	-																								0	
Motion detect Sensor	MCR-SMA	-							0																		

