SAMSUNG

FJM Technical Data Book

Free Joint Multi for America (Low Ambient, 60Hz, HP)



Model : Outdoor unit: JXH**S*B (AJ***BXS*CH/AA)
Indoor unit: RNS***BT (AR**TSF*BWKNCV), CNH**NDB (AC***BNNDCH/AA), CNH**1DB (AC***BN1DCH/AA)
CNH**LDB (AC***BNLDCH/AA), JNH**HDB (AJ***BNHDCH/AA), CNH**JDB (AC***BNJDCH/AA)
CNH**ZDB (AC***BNZDCH/AA)

History

Version	Modification	Date	Remark
Ver.1.0	Released 2021 FJM IDU,ODU for North America Low Ambient TDB	21.10.30	
Ver.1.1	Modified the combination table of line-up page	21.12.23	
Ver.1.2	Modified the Features & Benefits page	21.12.31	
Ver.1.3	Modified some error	22.01.07	
Ver.1.4	Modified the Combination table of Ducted Capacity page	22.03.10	
Ver.1.5	Updated the Combination Table Pages	22.05.19	
Ver.1.6	Corrected 24K MPAH suctoin pipe diameter	22.12.06	

Nomenclature

Outdoor Units

Model Name

AJ	020	B	X	S	3	C	H	/	AA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Model

AC	CAC
AM	DVM
AJ	FJM (Free Joint Multi)
AE	EHS

(2) Capacity

X 1,000 Btu/h (3 digits)

(3) Version

B	2022

(4) Product Type

S	SET (NASA)
N	Indoor Unit (NASA)
X	Outdoor Unit (NASA)
A	SET (Non NASA)
B	Indoor Unit (Non NASA)
C	Outdoor Unit (Non NASA)

(5) Product Notation

S	Free Joint Multi (Low Ambient)

(6) Feature

2	2 Room
3	3 Room
4	4 Room
5	5 Room

(7) Rating Voltage

A	115V, 60Hz
B	220V, 60Hz
C	208~230V, 60Hz
D	200 ~ 220V, 50Hz
E	220 ~ 240V, 50Hz

(8) Mode

C	Cooling Only (R410A)
H	Heat Pump (R410A)
R	Heat Recovery (R410A)

Nomenclature

Indoor Units

Wall Mounted Type

Model Name

AR	09	T	S	F	A	B	WK	N	CV
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Buyer

(1) Classification

AR	RAC

(2) Capacity

x1000 Btu/h

(3) Year

T	2020

(4) Product Type

X	INVERTER HP R410A

(5) Characteristics

C	Motion Detect Sensor +Wi-Fi + Tri-care Filter
E	Wi-Fi + Tri-care Filter
F	Wi-Fi
H	-

(6) Design Segment

A	Wind-Free GEO
C	Wind-Free AIRISE
Y	GEO
Z	AIRISE

(7) Version

A-Z (1 digit)

(8) Color

WK	DA White

(9) Set

N	Indoor Unit
X	Outdoor Unit
/	Set

Nomenclature

Indoor Units

1Way/4Way Cassette(600x600), Duct, Console , AHU Type

Model Name

AC	009	B	N	1	D	C	H	/	AA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AJ, AC	FJM

(2) Capacity

X 1,000 Btu/h (3 digits)

(3) Version

T	2020
B	2022

(4) Product Type

N	Indoor Unit (NASA)

(5) Product Notation

1	1Way Cassette
N	4Way CST (600x600)
L	Slim duct
H	Duct S
J	Console
Z	AHU

(6) Feature

D	Deluxe
S	Standard
P	Premium

(7) Rating Voltage

A	115V, 60Hz
B	220V, 60Hz
C	208 ~ 230V, 60Hz
D	200 ~ 220V, 50Hz
E	220 ~ 240V, 50Hz

(8) Mode

C	Cooling Only (R410A)
H	Heat Pump (R410A)
R	Heat Recovery (R410A)

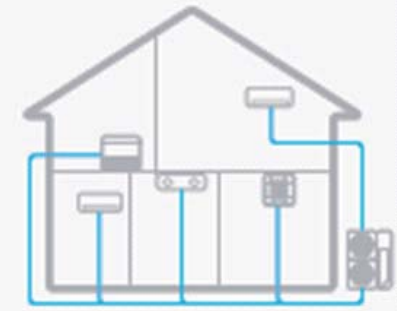
Features & Benefits

FJM

Universal Connection

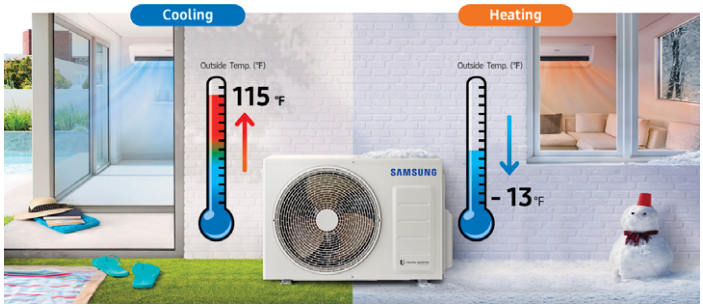
A single outdoor unit can support up to five indoor units. FJM systems are ideal for residential and light commercial spaces with multiple rooms to increase space efficiency.

Free Joint Multi added Universal indoor units, which can be universally connected to other Samsung outdoor units, to this year's lineup.



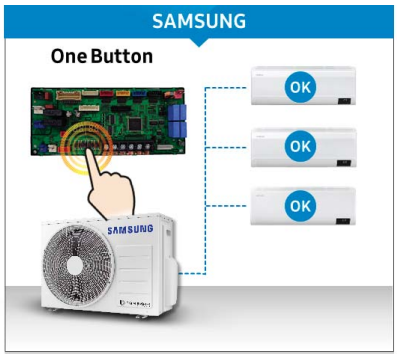
Wide Operating Range

Experience continuous cooling or heating in harsh weather



One Button Solution for Auto Addressing

Improved Installation Procedure
One button auto addressing solution makes installation easier.



Easy monitoring

7-Segment for install and monitoring errors & system setting more conveniently





Push	Display Explanation	Push	Display Explanation
1	Present Compressor Frequency	9	Discharge temperature
2	Target Compressor Frequency	10	OLP temperature
3	EEV0 current step	11	Condenser temperature
4	EEV1 current step	12	Outdoor temperature
5	EEV2 current step	13	Running current
6	EEV3 current step	14	Target Discharge temperature
7	EEV4 current step	15	Total capacity of the indoor units
8	Fan RPM (H: high, L: low, Blank: off)	16	Safety Control (just For Service Technician)

※ Using K4 Tack Switch

Setting to Cool or Heat only mode

This function enable to configure the system for cooling and heating, cooling only or heating only.

Contents

1. Line-up 8
2. Specification 10
3. Electrics Characteristics 25
4. Combination Table 26
5. Dimensional Drawing 48
6. Center of Gravity 60
7. Electrical Wiring Diagram 65
8. Sound Data 73
9. Fan Characteristics (PQ curve) 82
10. Operation Range 90
11. Piping Diagram 91
12. Installation 94

1. Line-up

1-1. Outdoor units

Capacity (kBtu/h)	21	25	28.4	34
Image				
Model	JXH20S3B (AJ020BXS3CH/AA)	JXH24S4B (AJ024BXS4CH/AA)	JXH30S4B (AJ030BXS4CH/AA)	JXH36S4B (AJ036BXS4CH/AA)

1-2. Indoor units

Type \ Capacity (kBtu/h)	7	9	12	15	18	24
WindFree™ 2.0						
WindFree 2.0e						
(WindFree) 1Way Cassette						
(WindFree) 4Way Cassette (600x600)						
Slim duct						
Duct S						
Console						
Multi Position AHU						

1. Line-up

1-3. Outdoor units

Outdoor Unit / Indoor Unit		Model				
			JXH20S3B (AJ020BXS3CH/AA)	JXH24S4B (AJ024BXS4CH/AA)	JXH30S4B (AJ030BXS4CH/AA)	JXH36S4B (AJ036BXS4CH/AA)
Model		Capacity (k Btu/h)	21	25	28.4	34
WindFree™ 2.0	RNS**ABT (AR**TSFABWKNCV) 	7	●	●	●	●
		9	●	●	●	●
		12	●	●	●	●
		15	●	●	●	●
		18		●	●	●
		24			●	●
WindFree 2.0e	RNS**CMB (AR**BSFCMWKNCV) 	7	●	●	●	●
		9	●	●	●	●
		12	●	●	●	●
		15	●	●	●	●
		18		●	●	●
		24			●	●
(WindFree) 1Way Cassette	CNH**1DB (AC***BN1DCH/AA) 	9	●	●	●	●
		12	●	●	●	●
(WindFree) 4Way Cassette (600x600)	CNH**NDB (AC***BNNDCH/AA) 	9	●	●	●	●
		12	●	●	●	●
		18		●	●	●
Slim duct	CNH**LDB (AC***BNLDCH/AA) 	9	●	●	●	●
		12	●	●	●	●
		18		●	●	●
Duct S	JNH**HDB (AJ***BNHDCH/AA) 	9	●	●	●	●
		12	●	●	●	●
		15		●	●	●
		18			●	●
Console	CNH**JDB (AC***BNJDCH/AA) 	9	●	●	●	●
		12	●	●	●	●
		15	●	●	●	●
		18		●	●	●
Multi Position AHU	CNH**ZDB (AC***BNZDCH/AA) 	12	●	●	●	●
		18			●	●
		24				●

2. Specification

Free Joint Multi (Outdoor Units)

Model Name					AJ020BXS3CH/AA	AJ024BXS4CH/AA	AJ030BXS4CH/AA	AJ036BXS4CH/AA
US Code					JXH20S3B	JXH24S4B	JXH30S4B	JXH36S4B
Power Supply				Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON			TON	1.75	2.08	2.37	2.83
	Capacity	Cooling		kW	6.20	7.30	8.30	9.96
				Btu/h	21,000	25,000	28,400	34,000
				US RT	1.75	2.08	2.37	2.83
		Heating		kW	6.40	7.30	8.40	10.73
				Btu/h	22,000	25,000	28,600	36,600
				US RT	1.83	2.08	2.38	3.04
		Heating at 5° F (Max. Capacity)		Btu/h	22,000	25,000	28,600	36,600
		Heating at -13° F (Max. Capacity)		Btu/h	15,380	17,480	20,000	25,590
Maximum number of connectable Indoor Units				EA	3	4	4	4
Power	Power Input (Nominal)	Cooling		kW	1.56	1.92	2.27	2.72
		Heating			1.61	1.83	2.09	2.55
	Current Input (Nominal)	Cooling		A	7.4	9.2	10.9	13.0
		Heating			7.7	8.8	10.0	12.2
	Current	MCA		A	25.5	26.0	26.0	36.5
		MOP			30	30	30	40
Efficiency	EER	Cooling (Non-Ducted)		(Btu/h)/W	13.5	13.0	12.5	12.5
	COP	Heating (Non-Ducted)		W/W	4.00	4.00	4.00	4.20
	SEER	Non-Ducted		(Btu/h)/W	18.0	19.0	19.0	20.0
	HSPF	Non-Ducted		(Btu/h)/W	10.0	10.0	11.0	10.5
Casing	Material	Body		-	GI steel plate	GI steel plate	GI steel plate	GI steel plate
		Base		-	GI steel plate	GI steel plate	GI steel plate	GI steel plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
Compressor	Type			-	Twin BLDC Rotary Inverter	Twin BLDC Rotary Inverter	Twin BLDC Rotary Inverter	Twin BLDC Rotary Inverter
	Output			kW x n	9.171 x 1	9.171 x 1	9.171 x 1	10.010 x 1
	Model Name			-	UG8T300FUBJU	UG8T300FUBJU	UG8T300FUBJU	KTF310D43UMT
	Oil	Type		-	PVE	PVE	PVE	POE
		Initial Charge		cc (fl oz)	1,200 (40.6)	1,200 (40.6)	1,200 (40.6)	1,000 (33.8)
Fan	Type			-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction			-	Front (Horizontal)	Front (Horizontal)	Front (Horizontal)	Front (Horizontal)
	Quantity			EA	1	1	1	2
	Air Flow Rate			m^3/min	70.6	70.6	70.6	94.0
				ft^3/min	2493.2	2493.2	2493.2	3884.6
				l/s	1,177	1,177	1,177	1,833
	External Static Pressure		Max.	mmAq	-	-	-	-
				Pa	-	-	-	-
				In Wg	-	-	-	-
Fan Motor	Type			-	BLDC	BLDC	BLDC	BLDC
	Output x n			W	125 x 1	125 x 1	125 x 1	125 x 2
Piping Connections	Liquid Pipe			Type	Flare connection	Flare connection	Flare connection	Flare connection
				Φ, mm x EA	6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 4
				Φ, inch x EA	1/4 x 3	1/4 x 4	1/4 x 4	1/4 x 4
	Gas Pipe			Type	Flare connection	Flare connection	Flare connection	Flare connection
				Φ, mm x EA	9.52 x 3	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2
				Φ, inch x EA	3/8 x 3	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 2
	Heat insulation				Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Installation Limitation	Length	Total Piping Length	m (ft)	50 (164.0)	70 (229.7)	70 (229.7)	70 (229.7)
			Max. Length (OD~ID)	m (ft)	25 (82.0)	25 (82.0)	25 (82.0)	25 (82.0)
		Height	Max. Height (OD~ID)	m (ft)	15 (49.2)	15 (49.2)	15 (49.2)	15 (49.2)
			Max. Height (ID~ID)	m (ft)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication	Min.		AWG	16	16	16	16
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2

2. Specification

Free Joint Multi (Outdoor Units)

Model Name				AJ020BXS3CH/AA	AJ024BXS4CH/AA	AJ030BXS4CH/AA	AJ036BXS4CH/AA
US Code				JXH20S3B	JXH24S4B	JXH30S4B	JXH36S4B
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	3.40	3.40	3.40	3.60
			lbs	119.93	119.93	119.93	126.99
Sound	Sound Pressure Level	Cooling	dB(A)	54	54	54	52
		Heating		58	58	58	55
External Dimension	Net Weight		kg (lbs)	77.5 (170.9)	78.5 (173.1)	78.5 (173.1)	87.5 (192.9)
	Shipping Weight		kg (lbs)	83.0 (183.0)	84.0 (185.2)	84.0 (185.2)	99.0 (218.3)
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
			inch	37.0 x 39.3 x 13.0	37.0 x 39.3 x 13.0	37.0 x 39.3 x 13.0	37.0 x 47.6 x 13.0
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426	995 x 1,096 x 426	1,093 x 1,388 x 426
			inch	39.2 x 43.1 x 16.8	39.2 x 43.1 x 16.8	39.2 x 43.1 x 16.8	40.0 x 54.6 x 16.8
Operating Temp. Range	Cooling		°C(°F)	-10.0 ~ 46.0 (14.0 ~ 114.8)	-10.0 ~ 46.0 (14.0 ~ 114.8)	-10.0 ~ 46.0 (14.0 ~ 114.8)	-10.0 ~ 46.0 (14.0 ~ 114.8)
	Heating		°C(°F)	-25.0 ~ 24.0 (-13.0 ~ 75.2)	-25.0 ~ 24.0 (-13.0 ~ 75.2)	-25.0 ~ 24.0 (-13.0 ~ 75.2)	-25.0 ~ 24.0 (-13.0 ~ 75.2)

NOTE

- Specifications may be subject to change without prior notice.

1) Performances are based on the following test conditions.
   - 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
   - Equivalent refrigerant pipe length 16.4ft(5m), Level differences 0ft(0m)
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.

2. Specification

WindFree™ 2.0

Model Name				AR07TSFABWKNCV	AR09TSFABWKNCV	AR12TSFABWKNCV
US Code				RNS07ABT	RNS09ABT	RNS12ABT
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.58	0.75	1.00
	Capacity	Cooling	kW	2.05	2.64	3.52
			Btu/h	7,000	9,000	12,000
			US RT	0.58	0.75	1.00
		Heating	kW	2.20	3.22	3.52
			Btu/h	7,500	11,000	12,000
			US RT	0.62	0.91	1.00
Power	Power Input	Cooling	W	40	40	40
		Heating		40	40	40
	Current Input	Cooling	A	0.4	0.4	0.4
		Heating		0.4	0.4	0.4
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m^3/min	9.9 / 9.2 / 8.4 / 7.3	10.3 / 9.6 / 8.4 / 7.3	10.7 / 9.6 / 8.5 / 7.1
			ft^3/min	350 / 323 / 297 / 258	364 / 337 / 298 / 258	378 / 340 / 301 / 250
			l/s	165 / 153 / 140 / 122	172 / 159 / 141 / 122	178 / 160 / 142 / 118
		Heating (T/H/M/L)	m^3/min	10.8 / 10.0 / 9.3 / 8.2	11.2 / 10.4 / 9.3 / 8.2	11.7 / 10.6 / 9.5 / 8.0
			ft^3/min	381 / 355 / 328 / 288	396 / 369 / 329 / 289	413 / 374 / 335 / 282
			l/s	180 / 167 / 155 / 136	187 / 174 / 155 / 136	195 / 176 / 158 / 133
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎜ (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎜ (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85
Wiring Connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	38/23	38/23	39/23
External Dimension	Net Weight		kg (lbs)	10.6 (23.4)	10.6 (23.4)	10.6 (23.4)
	Shipping Weight		kg (lbs)	12.0 (26.5)	12.0 (26.5)	12.0 (26.5)
	Net Dimensions (WxHxD)		㎜	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
			inch	35.00 x 11.77 x 8.46	35.00 x 11.77 x 8.46	35.00 x 11.77 x 8.46
	Shipping Dimensions (WxHxD)		㎜	950 x 290 x 375	950 x 290 x 375	950 x 290 x 375
			inch	37.40 x 11.42 x 14.76	37.40 x 11.42 x 14.76	37.40 x 11.42 x 14.76
Casing	Material		-	HIPS	HIPS	HIPS
Additional Accessories	Air Filter		-	Pre-Filter	Pre-Filter	Pre-Filter

2. Specification

WindFree™ 2.0

Model Name				AR15TSFABWKNCV	AR18TSFABWKNCV	AR24TSFABWKNCV
US Code				RNS15ABT	RNS18ABT	RNS24ABT
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	1.25	1.50	1.75
	Capacity	Cooling	kW	4.40	5.28	6.15
			Btu/h	15,000	18,000	21,000
			US RT	1.25	1.50	1.74
		Heating	kW	5.23	6.04	8.06
			Btu/h	18,000	20,600	27,500
			US RT	1.50	1.71	2.28
Power	Power Input	Cooling	W	40	50	50
		Heating		40	50	50
	Current Input	Cooling	A	0.4	0.5	0.5
		Heating		0.4	0.5	0.5
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	11.5 / 10.4 / 8.9 / 7.4	16.2 / 15.2 / 13.6 / 12.1	20.1 / 18.0 / 15.9 / 13.7
			ft³/min	406 / 366 / 313 / 260	572 / 536 / 481 / 427	711 / 636 / 560 / 484
			l/s	192 / 173 / 148 / 123	270 / 253 / 227 / 201	336 / 300 / 264 / 228
		Heating (T/H/M/L)	m³/min	12.0 / 10.8 / 9.4 / 7.9	16.8 / 15.7 / 14.2 / 12.7	20.4 / 18.2 / 16.0 / 13.9
			ft³/min	422 / 383 / 331 / 279	592 / 556 / 501 / 447	719 / 643 / 566 / 490
			l/s	199 / 181 / 156 / 132	280 / 262 / 237 / 211	340 / 303 / 267 / 231
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎜ (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎜ (inch)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85
Wiring Connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	40/23	42/25	47/28
External Dimension	Net Weight		kg (lbs)	10.6 (23.4)	12.5 (27.6)	12.5 (27.6)
	Shipping Weight		kg (lbs)	12.0 (26.5)	14.3 (31.5)	14.3 (31.5)
	Net Dimensions (WxHxD)		㎜	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
			inch	35.00 x 11.77 x 8.46	41.54 x 11.77 x 8.46	41.54 x 11.77 x 8.46
	Shipping Dimensions (WxHxD)		㎜	950 x 290 x 375	1,115 x 290 x 375	1,115 x 290 x 375
			inch	37.40 x 11.42 x 14.76	43.90 x 11.42 x 14.76	43.90 x 11.42 x 14.76
Casing	Material		-	HIPS	HIPS	HIPS
Additional Accessories	Air Filter		-	Pre-Filter	Pre-Filter	Pre-Filter

NOTE

- Specifications may be subject to change without prior notice.

1) Performances are based on the following test conditions.
   - 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
   - Equivalent refrigerant pipe length 16.4ft(5m), Level differences 0ft(0m)
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.

2. Specification

WindFree 2.0e

Model Name				AR07BSFCMWKNCV	AR09BSFCMWKNCV	AR12BSFCMWKNCV
US Code				RNS07CMB	RNS09CMB	RNS12CMB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.58	0.75	1.00
	Capacity	Cooling	kW	2.05	2.64	3.52
			Btu/h	7,000	9,000	12,000
			US RT	0.58	0.75	1.00
		Heating	kW	2.20	3.22	3.52
			Btu/h	7,500	11,000	12,000
			US RT	0.62	0.91	1.00
Power	Power Input	Cooling	W	30	30	30
		Heating		30	30	30
	Current Input	Cooling	A	0.3	0.3	0.3
		Heating		0.3	0.3	0.3
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m^3/min	9.9 / 9.5 / 9.1 / 8.7	10.3 / 9.9 / 9.5 / 8.7	10.7 / 10.3 / 9.5 / 8.8
			ft^3/min	350 / 336 / 322 / 309	396 / 382 / 368 / 340	378 / 364 / 337 / 309
			l/s	165 / 159 / 152 / 146	172 / 165 / 159 / 146	178 / 172 / 159 / 146
		Heating (T/H/M/L)	m^3/min	10.8 / 10.4 / 10.0 / 9.6	11.2 / 10.8 / 10.4 / 9.6	11.7 / 11.3 / 10.5 / 9.7
			ft^3/min	381 / 368 / 354 / 340	396 / 382 / 368 / 340	413 / 399 / 371 / 343
			l/s	180 / 173 / 167 / 160	187 / 180 / 174 / 161	195 / 188 / 175 / 162
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎟ (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎟ (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85
Wiring Connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	38/23	38/23	38/23
External Dimension	Net Weight		kg (lbs)	9.1 (20.1)	9.1 (20.1)	9.1 (20.1)
	Shipping Weight		kg (lbs)	10.4 (22.9)	10.4 (22.9)	10.4 (22.9)
	Net Dimensions (WxHxD)		㎜	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215
			inch	32.28 x 11.77 x 8.46	32.28 x 11.77 x 8.46	32.28 x 11.77 x 8.46
	Shipping Dimensions (WxHxD)		㎜	880 x 290 x 375	880 x 290 x 375	880 x 290 x 375
			inch	35.04 x 11.42 x 14.76	35.04 x 11.42 x 14.76	35.04 x 11.42 x 14.76
Casing	Material		-	HIPS	HIPS	HIPS
Additional Accessories	Air Filter		-	Pre-Filter	Pre-Filter	Pre-Filter

2. Specification

WindFree 2.0e

Model Name				AR15BSFCMWKNCV	AR18BSFCMWKNCV	AR24BSFCMWKNCV
US Code				RNS15CMB	RNS18CMB	RNS24CMB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	1.25	1.50	1.83
	Capacity	Cooling	kW	4.40	5.28	6.45
			Btu/h	15,000	18,000	22,000
			US RT	1.25	1.50	1.83
		Heating	kW	5.23	6.15	7.03
			Btu/h	18,000	21,000	24,000
			US RT	1.50	1.74	1.99
Power	Power Input	Cooling	W	40	50	50
		Heating		40	50	50
	Current Input	Cooling	A	0.4	0.5	0.5
		Heating		0.4	0.5	0.5
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	11.5 / 10.4 / 8.9 / 7.4	13.8 / 13.3 / 12.3 / 11.4	17.7 / 16.5 / 14.9 / 13.2
			ft³/min	406 / 366 / 313 / 260	486 / 469 / 435 / 401	623 / 584 / 525 / 465
			l/s	192 / 173 / 148 / 123	230 / 221 / 205 / 189	294 / 276 / 248 / 220
		Heating (T/H/M/L)	m³/min	12.0 / 10.8 / 9.4 / 7.9	14.2 / 13.7 / 12.7 / 11.7	17.8 / 16.7 / 15.0 / 13.3
			ft³/min	423 / 384 / 332 / 280	623 / 584 / 525 / 465	629 / 589 / 529 / 470
			l/s	200 / 181 / 157 / 132	237 / 229 / 212 / 196	297 / 278 / 250 / 222
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎟ (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, ㎟ (inch)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85
Wiring Connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	40/23	41/25	45/28
External Dimension	Net Weight		kg (lbs)	10.6 (23.4)	11.5 (25.4)	11.5 (25.4)
	Shipping Weight		kg (lbs)	12.0 (26.5)	13.1 (28.9)	13.1 (28.9)
	Net Dimensions (WxHxD)		㎜	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
			inch	35.00 x 11.77 x 8.46	41.54 x 11.77 x 8.46	41.54 x 11.77 x 8.46
	Shipping Dimensions (WxHxD)		㎜	950 x 290 x 375	1,115 x 290 x 375	1,115 x 290 x 375
			inch	37.40 x 11.42 x 14.76	43.90 x 11.42 x 14.76	43.90 x 11.42 x 14.76
Casing	Material		-	HIPS	HIPS	HIPS
Additional Accessories	Air Filter		-	Pre-Filter	Pre-Filter	Pre-Filter

NOTE

- Specifications may be subject to change without prior notice.

1) Performances are based on the following test conditions.
   - 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
   - Equivalent refrigerant pipe length 16.4ft(5m), Level differences 0ft(0m)
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.

2. Specification

(WindFree) 1Way Cassette

Model Name				AC009BN1DCH/AA	AC012BN1DCH/AA
US Code				CNH091DB	CNH121DB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.75	1.00
	Capacity	Cooling	kW	2.64	3.52
			Btu/h	9,000	12,000
			US RT	0.75	1.00
		Heating	kW	3.52	4.10
			Btu/h	12,000	14,000
			US RT	1.00	1.17
Power	Power Input	Cooling	W	25	25
		Heating		25	25
	Current Input	Cooling	A	0.26	0.26
		Heating		0.26	0.26
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Crossflow Fan	Crossflow Fan
	Quantity		EA	1	1
	Air Flow Rate	H/M/L	m^3/min	7.3 / 6.5 / 5.8	9.0 / 8.2 / 7.2
			ft^3/min	257.8 / 229.5 / 204.8	317.8 / 289.6 / 254.3
			l/s	122 / 108 / 97	150 / 137 / 120
Fan Motor	Type		-	BLDC	BLDC
	Output x n		W	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID 0.98, OD : 1.26	ID 0.98, OD : 1.26
Wiring Connections	Communication	Min.	AWG	16	16
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	32 / 29 / 26	35 / 32 / 29
External Dimension	Net Weight		kg (lbs)	9.3 (22.5)	9.3 (22.5)
	Shipping Weight		kg (lbs)	12.2 (26.9)	12.2 (26.9)
	Net Dimensions (W×H×D)		mm	970 x 135 x 410	970 x 135 x 410
			inch	38.19 x 5.31 x 16.14	38.19 x 5.31 x 16.14
	Shipping Dimensions (W×H×D)		mm	1,173 x 231 x 487	1,173 x 231 x 487
			inch	46.18 x 9.09 x 19.17	46.18 x 9.09 x 19.17
Casing	Material		-	Polypropylene	Polypropylene
Panel	Model Name		-	PC1NWFMUN	PC1NWFMUN
	Type		-	WindFree	WindFree
	Material		-	HIPS	HIPS
	Color		-	DA White	DA White
	Net Weight		kg (lbs)	4.3 (9.48)	4.3 (9.48)
	Shipping Weight		kg (lbs)	6.3 (13.89)	6.3 (13.89)
	Net Dimensions (W×H×D)		mm	1,198 x 35 x 500	1,198 x 35 x 500
			inch	47.17 x 3.78 x 19.69	47.17 x 3.78 x 19.69
	Shipping Dimensions (W×H×D)		mm	1,262 x 122 x 566	1,262 x 122 x 566
			inch	26.38 x 4.80 x 22.28	26.38 x 4.80 x 22.28
Drain pump	Drain pump		-	Built In	Built In
	Max. lifting Height / Displacement		mm / Liter/h	750 / 24	750 / 24
Additional Accessories	Air Filter		-	-	-

2. Specification

(WindFree) 4Way Cassette (600x600)

Model Name				AC009BNNDCH/AA	AC012BNNDCH/AA	AC018BNNDCH/AA
US Code				CNH09NDB	CNH12NDB	CNH18NDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.76	0.90	1.44
	Capacity	Cooling	kW	2.67	3.17	5.10
			Btu/h	9,100	10,800	17,400
			US RT	0.76	0.90	1.44
		Heating	kW	2.93	3.96	5.86
			Btu/h	10,000	13,500	20,000
			US RT	0.83	1.25	1.66
Power	Power Input	Cooling	W	30	30	30
		Heating		30	30	30
	Current Input	Cooling	A	0.30	0.30	0.30
		Heating		0.30	0.30	0.30
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		EA	1	1	1
	Air Flow Rate	H/M/L	m^3/min	8.0 / 7.0 / 6.0	9.2 / 8.0 / 6.4	10.5 / 9.5 / 8.5
			ft^3/min	282.5 / 247.2 / 211.9	324.9 / 282.5 / 226.0	370.8 / 335.5 / 300.2
			l/s	133 / 117 / 100	153 / 133 / 107	175 / 158 / 142
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output x n		W	65 x 1	65 x 1	65 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID 0.79, OD : 0.98	ID 0.79, OD : 0.98	ID 0.79, OD : 0.98
Wiring Connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	31 / 28 / 25	34 / 30 / 25	39 / 34 / 29
External Dimension	Net Weight		kg (lbs)	11.6 (25.6)	11.6 (25.6)	11.6 (25.6)
	Shipping Weight		kg (lbs)	13.8 (30.4)	13.8 (30.4)	13.8 (30.4)
	Net Dimensions (W×H×D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
			inch	22.64 x 9.84 x 22.64	22.64 x 9.84 x 22.64	22.64 x 9.84 x 22.64
	Shipping Dimensions (W×H×D)		mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
			inch	24.53 x 11.73 x 25.71	24.53 x 11.73 x 25.71	24.53 x 11.73 x 25.71
Casing	Material		-	Polypropylene	Polypropylene	Polypropylene
Panel 1	Model Name		-	PC4SUFMUN	PC4SUFMUN	PC4SUFMUN
	Type		-	Wind-Free	Wind-Free	Wind-Free
	Material		-	HIPS	HIPS	HIPS
	Color		-	DA White	DA White	DA White
	Net Weight		kg (lbs)	2.7 (5.95)	2.7 (5.95)	2.7 (5.95)
	Shipping Weight		kg (lbs)	3.9 (8.60)	3.9 (8.60)	3.9 (8.60)
	Net Dimensions (W×H×D)		mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
			inch	24.41 x 2.24 x 24.41	24.41 x 2.24 x 24.41	24.41 x 2.24 x 24.41
	Shipping Dimensions (W×H×D)		mm	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655
			inch	26.38 x 4.72 x 25.78	26.38 x 4.72 x 25.78	26.38 x 4.72 x 25.78

2. Specification

(WindFree) 4Way Cassette (600x600)

Model Name			AC009BNNDCH/AA	AC012BNNDCH/AA	AC018BNNDCH/AA
US Code			CNH09NDB	CNH12NDB	CNH18NDB
Drain pump	Drain pump	-	Built In	Built In	Built In
	Max. lifting Height / Displacement	mm / Liter/h	750 / 24	750 / 24	750 / 24
Additional	Air Filter	-	-	-	-

NOTE

- Specifications may be subject to change without prior notice.

1) Performances are based on the following test conditions.
   - 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
   - Equivalent refrigerant pipe length 16.4ft(5m), Level differences 0ft(0m)
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.

2. Specification

Slim duct

Model Name				AC009BNLDCH/AA	AC012BNLDCH/AA	AC018BNLDCH/AA
US Code				CNH09LDB	CNH12LDB	CNH18LDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.75	1.00	1.49
	Capacity	Cooling	kW	2.64	3.52	5.28
			Btu/h	9,000	12,000	18,000
			US RT	0.75	1.00	1.49
		Heating	kW	3.52	4.10	5.86
			Btu/h	12,000	14,000	20,000
			US RT	1.00	1.17	1.66
Power	Power Input	Cooling	W	120	120	120
		Heating		120	120	120
	Current Input	Cooling	A	1.06	1.06	1.06
		Heating		1.06	1.06	1.06
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirroco Fan	Sirroco Fan	Sirroco Fan
	Quantity		EA	2	2	2
	Air Flow Rate	H/M/L	m^3/min	8.0 / 6.5 / 5.5	11.3 / 10.0 / 8.5	17.0 / 13.0 / 10.0
			ft^3/min	282.5 / 229.5 / 194.2	399.1 / 353.1 / 300.2	600.3 / 459.1 / 353.1
			l/s	133 / 108 / 92	188 / 167 / 142	283 / 217 / 167
	External Static pressure	Max. (Min/Std/Max)	mmAq	0.3 / 2.6 / 6.0	0.3 / 2.6 / 6.0	0.3 / 2.6 / 6.0
			Pa	2.9 / 25.5 / 58.8	2.9 / 25.5 / 58.8	2.9 / 25.5 / 58.8
			In Wg	0 / 0.10 / 0.24	0 / 0.10 / 0.24	0 / 0.10 / 0.24
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output x n		W	84 x 1	84 x 1	84 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	OD 1.05	OD 1.05	OD 1.05
Wiring Connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	33 / 30 / 26	34 / 31 / 27	35 / 32 / 28
External Dimension	Net Weight		kg (lbs)	18.9 (41.7)	18.9 (41.7)	22.4 (49.4)
	Shipping Weight		kg (lbs)	22.2 (48.9)	22.2 (48.9)	25.9 (57.1)
	Net Dimensions (W×H×D)		mm	900 x 199 x 440	900 x 199 x 440	1100 x 199 x 440
			inch	35.43 x 7.83 x 17.32	35.43 x 7.83 x 17.32	43.31 x 7.83 x 17.32
	Shipping Dimensions (W×H×D)		mm	1151 x 280 x 544	1151 x 280 x 544	1351 x 280 x 544
			inch	45.31 x 11.02 x 21.42	45.31 x 11.02 x 21.42	53.19 x 11.02 x 21.42
Casing	Material		-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Drain pump	Drain pump		-	Built In	Built In	Built In
	Max. lifting Height / Displacement		mm / Liter/h	750/24	750/24	750/24
Additional Accessories	Drain Pump (included as standard)	External Model	-	-	-	-
		Internal Model	-	MDP-E075SEE3	MDP-E075SEE3	MDP-E075SEE3
		Max. lifting Height /Displacement	mm / Liter/h	750/24	750/24	750/24
	Air Filter		-	INCLUDED Removable / Washable	INCLUDED Removable / Washable	INCLUDED Removable / Washable

2. Specification

Duct S

Model Name				AJ009BNHDCH/AA	AJ012BNHDCH/AA
US Code				JNH09HDB	JNH12HDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.75	1.00
	Capacity	Cooling	kW	2.64	3.52
			Btu/h	9,000	12,000
			US RT	0.75	1.00
		Heating	kW	3.52	4.10
			Btu/h	12,000	14,000
			US RT	3.52	4.10
Power	Power Input	Cooling	W	240	240
		Heating		240	240
	Current Input	Cooling	A	2.10	2.10
		Heating		2.10	2.10
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirroco Fan	Sirroco Fan
	Quantity		EA	2	2
	Air Flow Rate	H/M/L	m^3/min	8.4 / 7.3 / 6.9	11.3 / 8.9 / 7.3
			ft^3/min	296.6 / 257.8 / 243.7	399.1 / 314.3 / 257.8
			l/s	140 / 122 / 115	188 / 148 / 122
	External Static pressure	Max. (Min/Std/Max)	mmAq	2.5 / 4.6 / 15.0	2.5 / 4.6 / 15.0
			Pa	24.5 / 45.1 / 147.1	24.5 / 45.1 / 147.1
			In Wg	0.10 / 0.18 / 0.59	0.10 / 0.18 / 0.59
Fan Motor	Type		-	BLDC	BLDC
	Output x n		W	153 x 1	153 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	OD 1.05	OD 1.05
Wiring Connections	Communication	Min.	AWG	16	16
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	30 / 27 / 23	31 / 28 / 25
External Dimension	Net Weight		kg (lbs)	26.7 (58.9)	26.7 (58.9)
	Shipping Weight		kg (lbs)	30.7 (67.7)	30.7 (67.7)
	Net Dimensions (W×H×D)		mm	850 x 250 x 700	850 x 250 x 700
			inch	35.46 x 9.84 x 27.56	35.46 x 9.84 x 27.56
	Shipping Dimensions (W×H×D)		mm	1064 x 320 x 784	1064 x 320 x 784
			inch	41.89 x 12.60 x 30.87	41.89 x 12.60 x 30.87
Casing	Material		-	EGI Steel Plate	EGI Steel Plate
Drain pump	Drain pump		-	Built In	Built In
	Max. lifting Height / Displacement		mm / Liter/h	750/24	750/24
Additional Accessories	Drain Pump (included as standard)	External Model	-	-	-
		Internal Model	-	MDP-G075SQ	MDP-G075SQ
		Max. lifting Height /Displacement	mm / Liter/h	750/24	750/24
	Air Filter		-	-	-

2. Specification

Duct S

Model Name				AJ015BNHDCH/AA	AJ018BNHDCH/AA
US Code				JNH15HDB	JNH18HDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP
Performance	TON		TON	1.24	1.49
	Capacity	Cooling	kW	4.40	5.28
			Btu/h	15,000	18,000
			US RT	1.24	1.49
		Heating	kW	5.28	6.15
			Btu/h	18,000	21,000
			US RT	5.28	6.15
Power	Power Input	Cooling	W	240	240
		Heating		240	240
	Current Input	Cooling	A	2.10	2.10
		Heating		2.10	2.10
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirroco Fan	Sirroco Fan
	Quantity		EA	2	2
	Air Flow Rate	H/M/L	m^3/min	12.5 / 10.6 / 8.7	14.2 / 11.8 / 9.8
			ft^3/min	441.4 / 374.3 / 307.2	501.5 / 416.7 / 346.1
			l/s	208 / 177 / 145	237 / 197 / 163
	External Static pressure	Max. (Min/Std/Max)	mmAq	2.5 / 4.6 / 15.0	2.5 / 4.6 / 15.0
			Pa	24.5 / 45.1 / 147.1	24.5 / 45.1 / 147.1
			In Wg	0.10 / 0.18 / 0.59	0.10 / 0.18 / 0.59
Fan Motor	Type		-	BLDC	BLDC
	Output x n		W	153 x 1	153 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	12.70 (1/2)	12.70 (1/2)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	OD 1.05	OD 1.05
Wiring Connections	Communication	Min.	AWG	16	16
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	33 / 29 / 25	34 / 30 / 26
External Dimension	Net Weight		kg (lbs)	26.7 (58.9)	26.7 (58.9)
	Shipping Weight		kg (lbs)	30.7 (67.7)	30.7 (67.7)
	Net Dimensions (W×H×D)		mm	850 x 250 x 700	850 x 250 x 700
			inch	35.46 x 9.84 x 27.56	35.46 x 9.84 x 27.56
	Shipping Dimensions (W×H×D)		mm	1064 x 320 x 784	1064 x 320 x 784
			inch	41.89 x 12.60 x 30.87	41.89 x 12.60 x 30.87
Casing	Material		-	EGI Steel Plate	EGI Steel Plate
Drain pump	Drain pump		-	Built In	Built In
	Max. lifting Height / Displacement		mm / Liter/h	750/24	750/24
Additional Accessories	Drain Pump (included as standard)	External Model	-		-
		Internal Model	-	MDP-G075SQ	MDP-G075SQ
		Max. lifting Height /Displacement	mm / Liter/h		750/24
	Air Filter		-	-	-

2. Specification

Console

Model Name				AC009BNJDCH/AA	AC012BNJDCH/AA
US Code				CNH09JDB	CNH12JDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP
Performance	TON		TON	0.75	0.85
	Capacity	Cooling	kW	2.64	2.99
			Btu/h	9,000	10,200
			US RT	0.75	0.85
		Heating	kW	2.96	3.81
			Btu/h	10,100	13,000
			US RT	0.84	1.08
Power	Power Input	Cooling	W	54	54
		Heating		54	54
	Current Input	Cooling	A	0.49	0.49
		Heating		0.49	0.49
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Turbo Fan	Turbo Fan
	Quantity		EA	1	1
	Air Flow Rate	H/M/L	m^3/min	7.5 / 6.8 / 6.0	8.5 / 7.2 / 6.2
			ft^3/min	264.9 / 240.1 / 211.9	300.2 / 254.3 / 219.0
			l/s	125 / 113 / 100	141 / 120 / 103
Fan Motor	Type		-	BLDC	BLDC
	Output x n		W	35 x 1	35 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85
Wiring connections	Communication	Min.	AWG	16	16
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	35 / 31 / 29	38 / 35 / 33
External Dimension	Net Weight		kg (lbs)	15.7 (34.6)	15.7 (34.6)
	Shipping Weight		kg (lbs)	20.0 (44.1)	20.0 (44.1)
	Net Dimensions (W×H×D)		mm	720 x 620 x 199	720 x 620 x 199
			inch	28.3 x 24.4 x 7.8	28.3 x 24.4 x 7.8
	Shipping Dimensions (W×H×D)		mm	805 x 297 x 705	805 x 297 x 705
			inch	31.7 x 11.7 x 27.8	31.7 x 11.7 x 27.8
Casing	Material		-	HIPS	HIPS
Drain pump	Drain pump		-	-	-
	Max. lifting Height / Displacement		mm / Liter/h	-	-
Additional	Air Filter		-	Removable / Washable	Removable / Washable

2. Specification

Console

Model Name				AC015BNJDCH/AA	AC018BNJDCH/AA
US Code				CNH15JDB	CNH18JDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP
Performance	TON		TON	1.24	1.41
	Capacity	Cooling	kW	4.40	4.98
			Btu/h	15,000	17,000
			US RT	1.24	1.41
		Heating	kW	5.28	5.57
			Btu/h	18,000	19,000
			US RT	1.50	1.58
Power	Power Input	Cooling	W	54	54
		Heating		54	54
	Current Input	Cooling	A	0.49	0.49
		Heating		0.49	0.49
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Turbo Fan	Turbo Fan
	Quantity		EA	1	1
	Air Flow Rate	H/M/L	m^3/min	9.0 / 8.2 / 7.2	9.4 / 8.4 / 7.4
			ft^3/min	317.8 / 289.6 / 254.3	332.0 / 296.6 / 261.3
			l/s	149 / 136 / 120	156 / 139 / 123
Fan Motor	Type		-	BLDC	BLDC
	Output x n		W	35 x 1	35 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	12.70 (1/2)	12.70 (1/2)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	ID:0.64, OD : 0.85	ID:0.64, OD : 0.85
Wiring connections	Communication	Min.	AWG	16	16
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	42 / 39 / 35	42 / 39 / 35
External Dimension	Net Weight		kg (lbs)	15.9 (35.1)	15.9 (35.1)
	Shipping Weight		kg (lbs)	20.2 (44.5)	20.2 (44.5)
	Net Dimensions (W×H×D)		mm	720 x 620 x 199	720 x 620 x 199
			inch	28.3 x 24.4 x 7.8	28.3 x 24.4 x 7.8
	Shipping Dimensions (W×H×D)		mm	805 x 297 x 705	805 x 297 x 705
			inch	31.7 x 11.7 x 27.8	31.7 x 11.7 x 27.8
Casing	Material		-	HIPS	HIPS
Drain pump	Drain pump		-	-	-
	Max. lifting Height / Displacement		mm / Liter/h	-	-
Additional	Air Filter		-	Removable / Washable	Removable / Washable

2. Specification

Multi Position AHU

Model Name				AC012BNZDCH/AA	AC018BNZDCH/AA	AC024BNZDCH/AA
US Code				CNH12ZDB	CNH18ZDB	CNH24ZDB
Power Supply			Ø, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	TON		TON	1.00	1.49	1.99
	Capacity	Cooling	kW	3.52	5.28	7.03
			Btu/h	12,000	18,000	24,000
			US RT	1.00	1.49	1.99
		Heating	kW	3.96	5.86	7.91
			Btu/h	13,500	20,000	27,000
			US RT	1.13	1.66	2.24
Power	Power Input	Cooling	W	170	170	170
		Heating		170	170	170
	Current Input	Cooling	A	1.5	1.5	1.5
		Heating		1.5	1.5	1.5
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirroco Fan (ECM)	Sirroco Fan (ECM)	Sirroco Fan (ECM)
	Quantity		EA	1	1	1
	Air Flow Rate	H/M/L	m^3/min	10.6 / 8.1 / 6.9	17.0 / 15.0 / 14.0	21.5 / 18.0 / 15.5
			ft^3/min	374.3 / 286.0 / 243.7	600.3 / 529.7 / 494.4	759.3 / 635.7 / 547.4
			l/s	177 / 135 / 115	208 / 177 / 145	237 / 197 / 163
	External Static pressure	Max. (Min/Std/Max)	mmAq	3.0 / 10.0 / 13.0	0 / 14.7 / 20.0	0 / 14.7 / 20.0
			Pa	29.4 / 98.1 / 127.5	0 / 144.2 / 196.1	0 / 144.2 / 196.1
			In Wg	0.1 / 0.4 / 0.5	0 / 0.58 / 0.8	0 / 0.58 / 0.8
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output x n		W	153 x 1	153 x 1	153 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Heat Insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Drain Pipe		Φ, inch	OD 1.05	OD 1.05	OD 1.05
Wiring connections	Communication	Min.	AWG	16	16	16
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	31 / 28 / 25	33 / 29 / 25	34 / 30 / 26
External Dimension	Net Weight		kg (lbs)	43.5 (95.9)	44.5 (98.1)	44.5 (98.1)
	Shipping Weight		kg (lbs)	48.0 (66.8)	49.0 (108.0)	49.0 (108.0)
	Net Dimensions (W×H×D)		mm	445 x 1,092 x 533	445 x 1,092 x 533	445 x 1,092 x 533
			inch	17.52 x 42.99 x 21.77	17.52 x 42.99 x 21.77	17.52 x 42.99 x 21.77
	Shipping Dimensions (W×H×D)		mm	493 x 1,135 x 665	493 x 1,135 x 665	493 x 1,135 x 665
			inch	19.41 x 44.69 x 26.18	19.41 x 44.69 x 26.18	19.41 x 44.69 x 26.18
Casing	Material		-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Additional Accessories	Drain Pump	External Model	-	-	-	-
		Internal Model	-	-	-	-
		Max. lifting Height /Displacement	mm / Liter/h	-	-	-
	Filter Base (optional)		-	VFB-1	VFB-1	VFB-1

3. Electrics Characteristics

Outdoor Unit

Capacity (Cooling) [kBtu/h]	Model	Power Supply		Voltage Range		Running Current [A]		Current [A]		ODU Fan Motor [kW]
		Hz	Voltage	Min. (-10%)	Max. (+10%)	Cooling	Heating	MCA	MOP	
21	JXH20S3B (AJ020BXS3CH)	60	208~230	187	253	7.4	7.7	25.5	30	0.125
25	JXH24S4B (AJ024BXS4CH)	60	208~230	187	253	9.2	8.8	26.0	30	0.125
28.4	JXH30S4B (AJ030BXS4CH)	60	208~230	187	253	10.9	10.0	26.0	30	0.125
34	JXH36S4B (AJ036BXS4CH)	60	208~230	187	253	13.0	12.2	36.5	40	0.250

NOTE

- MCA : Minimum circuit amperes
- MOP : Maximum Overcurrent Protective Device (A)
- Select wire size based on the value of MCA

4. Combination Table

※ Note

- Combination guide when applying AJ0**BNHDCH/AA (Duct S) or AC0**BNZDCH/AA (MPAH) indoor units
  - Only one AC***BNZDCH/AA (MPAH) indoor unit can be included in the combination.
  - Only one AJ***BNHDCH/AA (Duct S) indoor unit can be included in the combination.
  - If AJ0**BNHDCH/AA (Duct S) or AC0**BNZDCH/AA (MPAH) indoor units are included in the combination, the total sum of indoor unit nominal capacity cannot exceed the outdoor unit nominal capacity (max. 100% design diversity/capacity ratio).
  - If the indoor unit combination includes AJ0**BNHDCH/AA (Duct S) or AC0**BNZDCH/AA (MPAH) indoor units and does not meet the installation combination restrictions, error code E563 error will display and the system will not operate.
  - If error code E563 occurs, Cool Mode and Pipe Check operations are still possible.

Combination Guide for Systems That Include AJ***BNHDCH/AA or AC***BNZDCH/AA						
Outdoor Unit Model (US Code)	Mixed Installation*	4 Indoor Unit Connection	3 Indoor Unit Connection	2 Indoor Unit Connection	Combination Ratio	Outdoor Index
JXH20S3B (AJ020BXS3CH/AA)	Not Allowed	Not Allowed	Not Allowed	Allowed	≤ 1.0	21
JXH24S4B (AJ024BXS4CH/AA)	Not Allowed	Not Allowed	Allowed	Allowed	≤ 1.0	24
JXH30S4B (AJ030BXS4CH/AA)	Not Allowed	Not Allowed	Allowed	Allowed	≤ 1.0	30
JXH36S4B (AJ036BXS4CH/AA)	Not Allowed	Not Allowed	Allowed	Allowed	≤ 1.0	36

* Mixed installation means mixing AJ***BNHDCH/AA and AC***BNZDCH/AA units on the same system

4. Combination Table

Combinations that include Duct S and MPAH indoor units and optional Slim Duct and non-ducted indoor units.

Note

1. Combination tables on the following pages lists combinations for systems with all non-ducted units or all ducted units (not mixed). While reviewing indoor unit combinations in this section, if Duct S or MPAH indoor units are included in the system combination, only the combinations noted below are allowed (mixed Duct S/MPAH with other indoor unit types).
2. Only one Duct S (AJ0**BNHDCH/AA) or one MPAH (AC0**BNZDCH/AA) can be connected to a single system.
3. System combinations that include one Duct S or one MPAH can also include Slim Duct, high-wall, cassette, and console indoor units.

AJ020BXS3CH/AA

Outdoor Index: 21

Unit Qty.	Indoor Index					Total
	A	B	C	D	E	
2	7	9				16
	7	12				19
	9	9				18
	9	12				21

AJ024BXS4CH/AA

Outdoor Index: 24

Unit Qty.	Indoor Index					Total
	A	B	C	D	E	
2	7	9				16
	7	12				19
	7	15				22
	9	9				18
	9	12				21
	9	15				24
	12	12				24
3	7	7	9			23

AJ030BXS4CH/AA

Outdoor Index: 30

Unit Qty.	Indoor Index					Total
	A	B	C	D	E	
2	7	9				16
	7	12				19
	7	15				22
	7	18				25
	9	9				18
	9	12				21
	9	15				24
	9	18				27
	12	12				24
	12	15				27
	12	18				30
	15	15				30
3	7	7	9			23
	7	7	12			26
	7	7	15			29
	7	9	9			25
	7	9	12			28
	9	9	9			27
	9	9	12			30

AJ036BXS4CH/AA

Outdoor Index: 36

Unit Qty.	Indoor Index					Total
	A	B	C	D	E	
2	7	9				16
	7	12				19
	7	15				22
	7	18				25
	7	24				31
	9	9				18
	9	12				21
	9	15				24
	9	18				27
	9	24				33
	12	12				24
	12	15				27
	12	18				30
	12	24				36
	15	15				30
	15	18				33
	18	18				36
3	7	7	9			23
	7	7	12			26
	7	7	15			29
	7	7	18			32
	7	9	9			25
	7	9	12			28
	7	9	15			31
	7	9	18			34
	7	12	12			31
	7	12	15			34
	9	9	9			27
	9	9	12			30
	9	9	15			33
	9	9	18			36
	9	12	12			33
	9	12	15			36
	12	12	12			36

4. Combination Table

4-1. AJ020BXS3CH

Cooling (Non Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,000	7,000			14,000	9,000	14,000	14,000	670	1,120	1,120	3.2	5.4	5.4	12.50
	7	9			7,000	9,000			16,000	9,000	16,000	16,000	670	1,280	1,280	3.2	6.1	6.1	12.50
	7	12			7,000	12,000			19,000	9,000	19,000	19,000	670	1,520	1,520	3.2	7.3	7.3	12.50
	7	15			6,700	14,300			21,000	9,000	21,000	21,000	670	1,555	1,555	3.2	7.4	7.4	13.50
	9	9			9,000	9,000			18,000	9,000	18,000	18,000	670	1,440	1,440	3.2	6.9	6.9	12.50
	9	12			9,000	12,000			21,000	9,000	21,000	21,000	670	1,555	1,555	3.2	7.4	7.4	13.50
	9	15			7,900	13,100			21,000	9,000	21,000	21,000	670	1,555	1,555	3.2	7.4	7.4	13.50
	12	12			10,500	10,500			21,000	9,000	21,000	21,000	670	1,555	1,555	3.2	7.4	7.4	13.50
	12	15			9,300	11,700			21,000	9,500	21,000	21,000	600	1,555	1,555	2.9	7.4	7.4	13.50
3	7	7	7		7,000	7,000	7,000		21,000	9,500	21,000	21,000	600	1,555	1,555	2.9	7.4	7.4	13.50
	7	7	9		6,400	6,400	8,200		21,000	9,500	21,000	21,000	600	1,555	1,555	2.9	7.4	7.4	13.50
	7	7	12		5,700	5,700	9,600		21,000	9,500	21,000	21,000	600	1,555	1,555	2.9	7.4	7.4	13.50
	7	9	9		5,800	7,600	7,600		21,000	9,500	21,000	21,000	600	1,555	1,555	2.9	7.4	7.4	13.50
	9	9	9		7,000	7,000	7,000		21,000	9,500	21,000	21,000	600	1,555	1,555	2.9	7.4	7.4	13.50

4. Combination Table

4-1. AJ020BXS3CH

Heating (Non Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,900	7,900			15,800	7,600	15,800	18,300	450	1,390	1,610	2.2	6.7	7.7	3.33
	7	9			8,300	10,600			18,900	7,600	18,900	22,000	450	1,610	1,610	2.2	7.7	7.7	3.44
	7	12			7,900	13,500			21,400	7,600	21,400	22,000	450	1,610	1,610	2.2	7.7	7.7	3.90
	7	15			7,000	15,000			22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	9	9			11,000	11,000			22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	9	12			9,400	12,600			22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	9	15			8,300	13,700			22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	12	12			11,000	11,000			22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	12	15			9,800	12,200			22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
3	7	7	7		7,300	7,300	7,400		22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	7	7	9		6,700	6,700	8,600		22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	7	7	12		5,900	5,900	10,200		22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	7	9	9		6,200	7,900	7,900		22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00
	9	9	9		7,300	7,300	7,400		22,000	7,600	22,000	22,000	450	1,610	1,610	2.2	7.7	7.7	4.00

NOTE

1. Cooling capacity is based on 80°F(26.7°C) DB, 67°F(19.4°C) WB (indoor temperature), 95°F(35°C) DB (outdoor temperature).
2. Heating capacity is based on 70°F(21.1°C) DB (indoor temperature), 47°F(8.3°C) DB, 43°F(6.1°C) WB (outdoor temperature).
3. Capacities are based on the following conditions:
   - Corresponding refrigerant piping length 16.4ft(5m), Level differences 0ft(0m)
4. The total combination Index of connected a indoor unit is up to 27.
5. At least two indoor units must be connected for operation.
6. Refer to the table for combinations that include non-duct and slim duct indoor units.

4. Combination Table

4-1. AJ020BXS3CH

Cooling (Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			9,000	9,000			18,000	9,000	18,000	18,000	670	1,700	1,700	3.2	8.1	8.1	10.59
	9	12			9,000	12,000			21,000	9,000	21,000	21,000	670	1,840	1,840	3.2	8.8	8.8	11.41
	12	12			10,500	10,500			21,000	9,000	21,000	21,000	670	1,840	1,840	3.2	8.8	8.8	11.41
3	9	9	9		7,000	7,000	7,000		21,000	9,500	21,000	21,000	600	1,840	1,840	2.9	8.8	8.8	11.41

Heating (Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			11,000	11,000			22,000	7,600	22,000	22,000	450	1,800	1,800	2.20	8.60	8.60	3.58
	9	12			9,400	12,600			22,000	7,600	22,000	22,000	450	1,800	1,800	2.20	8.60	8.60	3.58
	12	12			11,000	11,000			22,000	7,600	22,000	22,000	450	1,800	1,800	2.20	8.60	8.60	3.58
3	9	9	9		7,300	7,300	7,400		22,000	7,600	22,000	22,000	450	1,800	1,800	2.20	8.60	8.60	3.58

NOTE

1 Cooling capacity is based on 80°FDB(26.7°CDB) / 67°FDB(19.4°CWB) (indoor temperature), 95°FDB(35°CDB) (outdoor temperature).
2 Heating capacity is based on 70°FDB(21.1°CDB) (indoor temperature), 47°FDB(8.33°CDB) / 43°FDB(6.11°CWB) (outdoor temperature).
3 Capacities are based on the following conditions:
- Corresponding refrigerant piping length : 24.6ft(7.5m) / - Level difference : 0m
4 The total combination Index of connected a indoor unit is up to 27.
5 At least two indoor units must be connected for operation.
6 Ducted combination means mixing AC***BNZDCH/AA (MPAH) and AC***BNLDCH/AA (Slim Duct) units on the same system.
7 If AC0**BNZDCH/AA (MPAH) is included in the combination, the combination criteria noted on page 26 must be followed.

4. Combination Table

4-2. AJ024BXS4CH

Cooling (Non Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,000	7,000			14,000	9,000	14,000	14,000	670	1,120	1,120	3.2	5.4	5.4	12.50
	7	9			7,000	9,000			16,000	9,000	16,000	16,000	670	1,280	1,280	3.2	6.1	6.1	12.50
	7	12			7,000	12,000			19,000	9,000	19,000	19,000	670	1,520	1,520	3.2	7.3	7.3	12.50
	7	15			7,000	15,000			22,000	9,000	22,000	22,000	670	1,760	1,760	3.2	8.4	8.4	12.50
	7	18			7,000	18,000			25,000	9,000	25,000	25,000	670	2,000	2,000	3.2	9.6	9.6	12.50
	9	9			9,000	9,000			18,000	9,000	18,000	18,000	670	1,440	1,440	3.2	6.9	6.9	12.50
	9	12			9,000	12,000			21,000	9,000	21,000	21,000	670	1,680	1,680	3.2	8.0	8.0	12.50
	9	15			9,400	15,600			25,000	9,000	25,000	25,000	670	2,000	2,000	3.2	9.6	9.6	12.50
	9	18			8,300	16,700			25,000	9,000	25,000	25,000	670	2,000	2,000	3.2	9.6	9.6	12.50
	12	12			12,000	12,000			24,000	9,000	24,000	24,000	670	2,000	2,000	3.2	9.6	9.6	12.00
	12	15			11,100	13,900			25,000	9,000	25,000	25,000	670	2,000	2,000	3.2	9.6	9.6	12.50
	12	18			10,000	15,000			25,000	9,000	25,000	25,000	670	2,000	2,000	3.2	9.6	9.6	12.50
	15	15			12,500	12,500			25,000	9,000	25,000	25,000	670	2,000	2,000	3.2	9.6	9.6	12.50
3	7	7	7		7,000	7,000	7,000		21,000	9,500	21,000	21,000	600	1,680	1,680	2.9	8.0	8.0	12.50
	7	7	9		7,000	7,000	9,000		23,000	9,500	23,000	23,000	600	1,840	1,840	2.9	8.8	8.8	12.50
	7	7	12		6,700	6,700	11,600		25,000	9,500	25,000	25,000	600	2,000	2,000	2.9	9.6	9.6	12.50
	7	7	15		6,000	6,000	13,000		25,000	9,500	25,000	25,000	600	2,000	2,000	2.9	9.6	9.6	12.50
	7	7	18		5,500	5,500	14,000		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	7	9	9		7,000	9,000	9,000		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	7	9	12		6,300	8,000	10,700		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	7	9	15		5,600	7,300	12,100		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	7	12	12		5,600	9,700	9,700		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	9	9	9		8,300	8,300	8,400		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	9	9	12		7,500	7,500	10,000		25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
4	7	7	7	7	6,300	6,300	6,200	6,200	25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	7	7	7	9	5,800	5,800	5,800	7,600	25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02
	7	7	9	9	5,500	5,500	7,000	7,000	25,000	9,500	25,000	25,000	600	1,920	1,920	2.9	9.2	9.2	13.02

4. Combination Table

4-2. AJ024BXS4CH

Heating (Non Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,900	7,900			15,800	7,600	15,800	18,300	450	1390	1830	2.2	6.7	8.8	3.33
	7	9			8,300	10,600			18,900	7,600	18,900	22,300	450	1640	1830	2.2	7.8	8.8	3.38
	7	12			7,900	13,500			21,400	7,600	21,400	25,000	450	1830	1830	2.2	8.8	8.8	3.43
	7	15			7,800	16,700			24,500	7,600	24,500	25,000	450	1830	1830	2.2	8.8	8.8	3.92
	7	18			7,000	18,000			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	9	9			11,000	11,000			22,000	7,600	22,000	25,000	450	1830	1830	2.2	8.8	8.8	3.52
	9	12			10,500	14,000			24,500	7,600	24,500	25,000	450	1830	1830	2.2	8.8	8.8	3.92
	9	15			9,400	15,600			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	9	18			8,300	16,700			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	12	12			12,500	12,500			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	12	15			11,100	13,900			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	12	18			10,000	15,000			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	15	15			12,500	12,500			25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
3	7	7	7		7,500	7,500	7,600		22,600	7,600	22,600	26,900	450	1970	2090	2.2	9.4	10.0	3.36
	7	7	9		7,600	7,600	9,800		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	7	12		6,700	6,700	11,600		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	7	15		6,000	6,000	13,000		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	7	18		5,500	5,500	14,000		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	9	9		7,000	9,000	9,000		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	9	12		6,300	8,000	10,700		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	9	15		5,600	7,300	12,100		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	12	12		5,600	9,700	9,700		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	9	9	9		8,300	8,300	8,400		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	9	9	12		7,500	7,500	10,000		25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
4	7	7	7	7	6,300	6,300	6,200	6,200	25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	7	7	9	5,800	5,800	5,800	7,600	25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00
	7	7	9	9	5,500	5,500	7,000	7,000	25,000	7,600	25,000	25,000	450	1830	1830	2.2	8.8	8.8	4.00

NOTE

1. Cooling capacity is based on 80°F(26.7°C) DB, 67°F(19.4°C) WB (indoor temperature), 95°F(35°C) DB (outdoor temperature).
2. Heating capacity is based on 70°F(21.1°C) DB (indoor temperature), 47°F(8.3°C) DB, 43°F(6.1°C) WB (outdoor temperature).
3. Capacities are based on the following conditions:
   - Corresponding refrigerant piping length 16.4ft(5m), Level differences 0ft(0m)
4. The total combination Index of connected a indoor unit is up to 32.
5. At least two indoor units must be connected for operation.
6. Refer to the table for combinations that include non-duct and slim duct indoor units.

4. Combination Table

4-2. AJ024BXS4CH

Cooling (Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			9,000	9,000			18,000	9,000	18,000	18,000	670	1,560	1,560	3.20	7.50	7.50	11.54
	9	12			9,000	12,000			21,000	9,000	21,000	21,000	670	1,800	1,800	3.20	8.60	8.60	11.67
	9	15			9,000	15,000			24,000	9,000	24,000	24,000	670	2,180	2,180	3.20	10.40	10.40	11.01
	9	18			8,300	16,700			25,000	9,000	25,000	25,000	670	2,350	2,350	3.20	11.20	11.20	10.64
	12	12			12,000	12,000			24,000	9,000	24,000	24,000	670	2,180	2,180	3.20	10.40	10.40	11.01
	12	18			10,000	15,000			25,000	9,000	25,000	25,000	670	2,350	2,350	3.20	11.20	11.20	10.64
3	9	9	9		8,300	8,300	8,400		25,000	9,500	25,000	25,000	600	2,350	2,350	2.90	11.20	11.20	10.64
	9	9	12		7,500	7,500	10,000		25,000	9,500	25,000	25,000	600	2,350	2,350	2.90	11.20	11.20	10.64

Heating (Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			11,000	11,000			22,000	7,600	22,000	25,000	450	1,830	2,080	2.20	8.80	10.00	3.52
	9	12			10,500	14,000			24,500	7,600	24,500	25,000	450	2,030	2,080	2.20	9.70	10.00	3.54
	9	15			9,400	15,600			25,000	7,600	25,000	25,000	450	2,080	2,080	2.20	10.00	10.00	3.52
	9	18			8,300	16,700			25,000	7,600	25,000	25,000	450	2,080	2,080	2.20	10.00	10.00	3.52
	12	12			12,500	12,500			25,000	7,600	25,000	25,000	450	2,080	2,080	2.20	10.00	10.00	3.52
	12	18			10,000	15,000			25,000	7,600	25,000	25,000	450	2,080	2,080	2.20	10.00	10.00	3.52
3	9	9	9		8,300	8,300	8,400		25,000	7,600	25,000	25,000	450	2,080	2,080	2.20	10.00	10.00	3.52
	9	9	12		7,500	7,500	10,000		25,000	7,600	25,000	25,000	450	2,080	2,080	2.20	10.00	10.00	3.52

NOTE

1 Cooling capacity is based on 80°FDB(26.7°CDB) / 67°FDB(19.4°CWB) (indoor temperature), 95°FDB(35°CDB) (outdoor temperature).
2 Heating capacity is based on 70°FDB(21.1°CDB) (indoor temperature), 47°FDB(8.33°CDB) / 43°FDB(6.11°CWB) (outdoor temperature).
3 Capacities are based on the following conditions:
- Corresponding refrigerant piping length : 24.6ft(7.5m) / - Level difference : 0m
4 The total combination Index of connected a indoor unit is up to 30.
5 At least two indoor units must be connected for operation.
6 Ducted combination means mixing AC***BNZDCH/AA (MPAH) and AC***BNLDCH/AA (Slim Duct) units on the same system.
7 If AJ0**BNHDCH/AA or AC0**BNZDCH/AA (MPAH) is included in the combination, the combination criteria noted on page 26 must be followed.

4. Combination Table

4-3. AJ030BXS4CH

Cooling (Non Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,000	7,000			14,000	9,000	14,000	14,000	670	1,290	1,290	3.2	6.2	6.2	10.85
	7	9			7,000	9,000			16,000	9,000	16,000	16,000	670	1,410	1,410	3.2	6.7	6.7	11.35
	7	12			7,000	12,000			19,000	9,000	19,000	19,000	670	1,670	1,670	3.2	8.0	8.0	11.38
	7	15			7,000	15,000			22,000	9,000	22,000	22,000	670	1,800	1,800	3.2	8.6	8.6	12.22
	7	18			7,000	18,000			25,000	9,000	25,000	25,000	670	2,070	2,070	3.2	9.9	9.9	12.08
	7	24			6,400	22,000			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	9	9			9,000	9,000			18,000	9,000	18,000	18,000	670	1,540	1,540	3.2	7.4	7.4	11.69
	9	12			9,000	12,000			21,000	9,000	21,000	21,000	670	1,800	1,800	3.2	8.6	8.6	11.67
	9	15			9,000	15,000			24,000	9,000	24,000	24,000	670	2,110	2,110	3.2	10.1	10.1	11.37
	9	18			9,000	18,000			27,000	9,000	27,000	27,000	670	2,270	2,270	3.2	10.9	10.9	11.89
	9	24			7,700	20,700			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	12	12			12,000	12,000			24,000	9,000	24,000	24,000	670	2,110	2,110	3.2	10.1	10.1	11.37
	12	15			12,000	15,000			27,000	9,000	27,000	27,000	670	2,270	2,270	3.2	10.9	10.9	11.89
	12	18			11,400	17,000			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	12	24			9,500	18,900			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	15	15			14,200	14,200			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	15	18			12,900	15,500			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	15	24			10,900	17,500			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
	18	18			14,200	14,200			28,400	9,000	28,400	28,400	670	2,270	2,270	3.2	10.9	10.9	12.51
3	7	7	7		7,000	7,000	7,000		21,000	9,500	21,000	21,000	600	1,830	1,830	2.9	8.8	8.8	11.48
	7	7	9		7,000	7,000	9,000		23,000	9,500	23,000	23,000	600	1,950	1,950	2.9	9.3	9.3	11.79
	7	7	12		7,000	7,000	12,000		26,000	9,500	26,000	26,000	600	2,270	2,270	2.9	10.9	10.9	11.45
	7	7	15		6,900	6,900	14,600		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	18		6,200	6,200	16,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	24		5,200	5,200	18,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	9		7,000	9,000	9,000		25,000	9,500	25,000	25,000	600	2,080	2,080	2.9	10.0	10.0	12.02
	7	9	12		7,000	9,000	12,000		28,000	9,500	28,000	28,000	600	2,270	2,270	2.9	10.9	10.9	12.33
	7	9	15		6,400	8,300	13,700		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	18		5,900	7,500	15,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	24		5,000	6,400	17,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	12	12		6,400	11,000	11,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	12	15		5,900	10,000	12,500		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	12	18		5,400	9,200	13,800		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	9	9		9,000	9,000	9,000		27,000	9,500	27,000	27,000	600	2,270	2,270	2.9	10.9	10.9	11.89
	9	9	12		8,500	8,500	11,400		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	9	15		7,700	7,700	13,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	9	18		7,100	7,100	14,200		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	12	12		7,800	10,300	10,300		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	12	15		7,100	9,500	11,800		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	12	18		6,600	8,700	13,100		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	12	12	12		9,500	9,500	9,400		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	12	12	15		8,700	8,700	11,000		28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51

4. Combination Table

4-3. AJ030BXS4CH

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
4	7	7	7	7	7,000	7,000	7,000	7,000	28,000	9,500	28,000	28,000	600	2,270	2,270	2.9	10.9	10.9	12.33
	7	7	7	9	6,600	6,600	6,600	8,600	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	7	12	6,000	6,000	6,000	10,400	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	7	15	5,500	5,500	5,500	11,900	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	7	18	5,100	5,100	5,100	13,100	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	9	9	6,200	6,200	8,000	8,000	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	9	12	5,700	5,700	7,300	9,700	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	9	15	5,200	5,200	6,800	11,200	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	7	12	12	5,200	5,200	9,000	9,000	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	9	9	5,900	7,500	7,500	7,500	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	9	12	5,400	6,900	6,900	9,200	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	9	15	5,000	6,400	6,400	10,600	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	7	9	12	12	5,000	6,400	8,500	8,500	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	9	9	9	7,100	7,100	7,100	7,100	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51
	9	9	9	12	6,600	6,600	6,600	8,600	28,400	9,500	28,400	28,400	600	2,270	2,270	2.9	10.9	10.9	12.51

4. Combination Table

4-3. AJ030BXS4CH

Heating (Non Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,900	7,900			15,800	7,600	15,800	18,300	450	1,390	1,930	2.2	6.7	9.2	3.33
	7	9			8,300	10,600			18,900	7,600	18,900	22,300	450	1,640	2,090	2.2	7.8	10.0	3.38
	7	12			7,900	13,500			21,400	7,600	21,400	25,400	450	1,860	2,090	2.2	8.9	10.0	3.37
	7	15			7,800	16,700			24,500	7,600	24,500	28,600	450	2,090	2,090	2.2	10.0	10.0	3.44
	7	18			7,700	19,900			27,600	7,600	27,600	28,600	450	2,090	2,090	2.2	10.0	10.0	3.87
	7	24			6,500	22,100			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9			11,000	11,000			22,000	7,600	22,000	26,400	450	1,900	2,090	2.2	9.1	10.0	3.39
	9	12			10,500	14,000			24,500	7,600	24,500	28,600	450	2,090	2,090	2.2	10.0	10.0	3.44
	9	15			10,100	16,900			27,000	7,600	27,000	28,600	450	2,090	2,090	2.2	10.0	10.0	3.79
	9	18			9,500	19,100			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	24			7,800	20,800			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	12	12			13,500	13,500			27,000	7,600	27,000	28,600	450	2,090	2,090	2.2	10.0	10.0	3.79
	12	15			12,700	15,900			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	12	18			11,400	17,200			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	12	24			9,500	19,100			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	15	15			14,300	14,300			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	15	18			13,000	15,600			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	15	24			11,000	17,600			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	18	18			14,300	14,300			28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
3	7	7	7		7,500	7,500	7,600		22,600	7,600	22,600	26,900	450	1,970	2,090	2.2	9.4	10.0	3.36
	7	7	9		7,900	7,900	10,000		25,800	7,600	25,800	28,600	450	2,090	2,090	2.2	10.0	10.0	3.62
	7	7	12		7,600	7,600	13,100		28,300	7,600	28,300	28,600	450	2,090	2,090	2.2	10.0	10.0	3.97
	7	7	15		6,900	6,900	14,800		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	18		6,300	6,300	16,000		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	24		5,300	5,300	18,000		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	9		8,000	10,300	10,300		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	12		7,200	9,200	12,200		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	15		6,500	8,300	13,800		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	18		5,900	7,600	15,100		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	24		5,000	6,400	17,200		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	12	12		6,500	11,100	11,000		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	12	15		5,900	10,100	12,600		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	12	18		5,400	9,300	13,900		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9	9		9,500	9,500	9,600		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9	12		8,600	8,600	11,400		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9	15		7,800	7,800	13,000		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9	18		7,200	7,200	14,200		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	12	12		7,800	10,400	10,400		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	12	15		7,200	9,500	11,900		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	12	18		6,600	8,800	13,200		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	12	12	12		9,500	9,500	9,600		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	12	12	15		8,800	8,800	11,000		28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01

4. Combination Table

4-3. AJ030BXS4CH

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
4	7	7	7	7	7,200	7,200	7,100	7,100	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	7	9	6,700	6,700	6,700	8,500	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	7	12	6,100	6,100	6,100	10,300	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	7	15	5,600	5,600	5,600	11,800	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	7	18	5,100	5,100	5,100	13,300	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	9	9	6,300	6,300	8,000	8,000	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	9	12	5,700	5,700	7,400	9,800	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	9	15	5,300	5,300	6,800	11,200	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	7	12	12	5,300	5,300	9,000	9,000	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	9	9	5,800	7,600	7,600	7,600	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	9	12	5,400	7,000	7,000	9,200	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	9	15	5,100	6,400	6,400	10,700	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	7	9	12	12	5,000	6,400	8,600	8,600	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9	9	9	7,200	7,200	7,100	7,100	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01
	9	9	9	12	6,600	6,600	6,600	8,800	28,600	7,600	28,600	28,600	450	2,090	2,090	2.2	10.0	10.0	4.01

NOTE

1. Cooling capacity is based on 80°F(26.7°C) DB, 67°F(19.4°C) WB (indoor temperature), 95°F(35°C) DB (outdoor temperature).
2. Heating capacity is based on 70°F(21.1°C) DB (indoor temperature), 47°F(8.3°C) DB, 43°F(6.1°C) WB (outdoor temperature).
3. Capacities are based on the following conditions:
   - Corresponding refrigerant piping length 16.4ft(5m), Level differences 0ft(0m)
4. The total combination Index of connected a indoor unit is up to 40.
5. At least two indoor units must be connected for operation.
6. Refer to the table for combinations that include non-duct and slim duct indoor units.

4. Combination Table

4-3. AJ030BXS4CH

Cooling (Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			9,000	9,000			18,000	9,000	18,000	18,000	670	1,560	1,560	3.20	7.50	7.50	11.54
	9	12			9,000	12,000			21,000	9,000	21,000	21,000	670	1,800	1,800	3.20	8.60	8.60	11.67
	9	15			9,000	15,000			24,000	9,000	24,000	24,000	670	2,180	2,180	3.20	10.40	10.40	11.01
	9	18			8,300	16,700			25,000	9,000	25,000	25,000	670	2,620	2,620	3.20	12.50	12.50	9.54
	12	12			12,000	12,000			24,000	9,000	24,000	24,000	670	2,180	2,180	3.20	10.40	10.40	11.01
	12	15			12,000	15,000			27,000	9,000	27,000	27,000	670	2,620	2,620	3.20	12.50	12.50	10.31
	12	18			11,200	16,800			28,000	9,000	28,000	28,000	670	2,700	2,700	3.20	12.90	12.90	10.37
	18	18			14,200	14,200			28,400	9,000	28,400	28,400	670	2,700	2,700	3.20	12.90	12.90	10.52
3	9	9	9		8,800	8,800	8,900		26,500	9,500	26,500	26,500	600	2,370	2,370	2.90	11.30	11.30	11.18
	9	9	12		8,400	8,400	11,200		28,000	9,500	28,000	28,000	600	2,700	2,700	2.90	12.90	12.90	10.37
	9	9	18		7,100	7,100	14,200		28,400	9,500	28,400	28,400	600	2,700	2,700	2.90	12.90	12.90	10.52
	9	12	12		7,800	10,300	10,300		28,400	9,500	28,400	28,400	600	2,700	2,700	2.90	12.90	12.90	10.52
	9	12	18		6,600	8,700	13,100		28,400	9,500	28,400	28,400	600	2,700	2,700	2.90	12.90	12.90	10.52
	12	12	12		9,500	9,500	9,400		28,400	9,500	28,400	28,400	600	2,700	2,700	2.90	12.90	12.90	10.52
4	9	9	9	9	7,100	7,100	7,100	7,100	28,400	9,500	28,400	28,400	600	2,700	2,700	2.90	12.90	12.90	10.52
	9	9	9	12	6,600	6,600	6,600	8,600	28,400	9,500	28,400	28,400	600	2,700	2,700	2.90	12.90	12.90	10.52

4. Combination Table

4-3. AJ030BXS4CH

Heating (Ducted)

Unit	Indoor Index				Heating Capacity (Wbtu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			11,000	11,000			22,000	7,600	22,000	26,400	450	1,830	2,700	2.20	8.80	12.90	3.52
	9	12			10,500	14,000			24,500	7,600	24,500	28,600	450	2,030	2,330	2.20	9.70	11.10	3.54
	9	15			10,100	16,900			27,000	7,600	27,000	28,600	450	2,180	2,330	2.20	10.40	11.10	3.63
	9	18			9,500	19,100			28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	12	12			13,500	13,500			27,000	7,600	27,000	28,600	450	2,180	2,330	2.20	10.40	11.10	3.63
	12	15			12,700	15,900			28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	12	18			11,400	17,200			28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	18	18			14,300	14,300			28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
3	9	9	9		9,500	9,500	9,600		28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	9	9	12		8,600	8,600	11,400		28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	9	9	18		7,200	7,200	14,200		28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	9	12	12		7,800	10,400	10,400		28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	9	12	18		6,600	8,800	13,200		28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	12	12	12		9,500	9,500	9,600		28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
4	9	9	9	9	7,200	7,200	7,100	7,100	28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60
	9	9	9	12	6,600	6,600	6,600	8,800	28,600	7,600	28,600	28,600	450	2,330	2,330	2.20	11.10	11.10	3.60

NOTE

1 Cooling capacity is based on 80°FDB(26.7°CDB) / 67°FDB(19.4°CWB) (indoor temperature), 95°FDB(35°CDB) (outdoor temperature).
2 Heating capacity is based on 70°FDB(21.1°CDB) (indoor temperature), 47°FDB(8.33°CDB) / 43°FDB(6.11°CWB) (outdoor temperature).
3 Capacities are based on the following conditions:
- Corresponding refrigerant piping length : 24.6ft(7.5m) / - Level difference : 0m
4 The total combination Index of connected a indoor unit is up to 39.
5 At least two indoor units must be connected for operation.
6 Ducted combination means mixing AC***BNZDCH/AA (MPAH) and AC***BNLDCH/AA (Slim Duct) units on the same system.
7 If AJ0**BNHDCH/AA or AC0**BNZDCH/AA (MPAH) is included in the combination, the combination criteria noted on page 26 must be followed.

4. Combination Table

4-4. AJ036BXS4CH

Cooling (Non Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,000	7,000			14,000	9,000	14,000	14,700	650	1,140	1,250	3.1	5.5	6.0	12.28
	7	9			7,000	9,000			16,000	9,000	16,000	16,800	651	1,250	1,380	3.1	6.0	6.6	12.80
	7	12			7,000	12,000			19,000	9,000	19,000	19,950	652	1,460	1,610	3.1	7.0	7.7	13.01
	7	15			7,000	15,000			22,000	9,000	22,000	23,100	653	1,670	1,840	3.1	8.0	8.8	13.17
	7	18			6,700	17,400			24,100	9,000	24,100	25,310	654	1,800	1,980	3.1	8.6	9.5	13.39
	7	24			6,500	22,500			29,000	9,000	29,000	30,450	655	2,720	2,990	3.1	13.0	14.3	10.66
	9	9			9,000	9,000			18,000	9,000	18,000	18,900	656	1,350	1,490	3.1	6.5	7.1	13.33
	9	12			9,000	12,000			21,000	9,000	21,000	22,050	657	1,560	1,720	3.1	7.5	8.2	13.46
	9	15			9,000	15,000			24,000	9,000	24,000	25,200	658	1,770	1,950	3.1	8.5	9.3	13.56
	9	18			8,700	17,400			26,100	9,000	26,100	27,410	659	2,260	2,490	3.2	10.8	11.9	11.55
	9	24			8,500	22,500			31,000	9,000	31,000	32,550	660	2,880	3,170	3.2	13.8	15.2	10.76
	12	12			12,000	12,000			24,000	9,000	24,000	25,200	661	1,770	1,950	3.2	8.5	9.3	13.56
	12	15			12,000	15,000			27,000	9,000	27,000	28,350	662	2,380	2,620	3.2	11.4	12.5	11.34
	12	18			11,600	17,500			29,100	9,000	29,100	30,560	663	2,560	2,820	3.2	12.2	13.5	11.37
	12	24			11,300	22,700			34,000	9,000	34,000	35,700	664	3,420	3,760	3.2	16.4	18.0	9.94
	15	15			15,000	15,000			30,000	9,000	30,000	31,500	665	2,730	3,000	3.2	13.1	14.4	10.99
	15	18			14,600	17,500			32,100	9,000	32,100	33,710	666	2,910	3,200	3.2	13.9	15.3	11.03
	15	24			13,100	20,900			34,000	9,000	34,000	35,700	667	3,420	3,760	3.2	16.4	18.0	9.94
	18	18			17,000	17,000			34,000	9,000	34,000	35,700	667	3,420	3,760	3.2	16.4	18.0	9.94
	18	24			14,600	19,400			34,000	9,000	34,000	35,700	667	3,420	3,760	3.2	16.4	18.0	9.94
	24	24			17,000	17,000			34,000	9,000	34,000	35,700	667	3,420	3,760	3.2	16.4	18.0	9.94
3	7	7	7		7,000	7,000	7,000		21,000	9,500	21,000	22,050	600	1,680	2,050	2.9	8.0	9.8	12.50
	7	7	9		7,000	7,000	9,000		23,000	9,500	23,000	24,150	600	1,840	2,200	2.9	8.8	10.5	12.50
	7	7	12		7,000	7,000	12,000		26,000	9,500	26,000	27,300	600	2,080	2,440	2.9	10.0	11.7	12.50
	7	7	15		7,000	7,000	15,000		29,000	9,500	29,000	30,450	600	2,320	2,760	2.9	11.1	13.2	12.50
	7	7	18		7,000	7,000	18,000		32,000	9,500	32,000	33,600	600	2,560	3,030	2.9	12.2	14.5	12.50
	7	7	24		6,300	6,300	21,400		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	9		7,000	9,000	9,000		25,000	9,500	25,000	26,250	600	2,000	2,330	2.9	9.6	11.1	12.50
	7	9	12		7,000	9,000	12,000		28,000	9,500	28,000	29,400	600	2,240	2,610	2.9	10.7	12.5	12.50
	7	9	15		7,000	9,000	15,000		31,000	9,500	31,000	32,550	600	2,480	2,990	2.9	11.9	14.3	12.50
	7	9	18		7,000	9,000	18,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	24		6,000	7,700	20,300		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	12	12		7,000	12,000	12,000		31,000	9,500	31,000	32,550	600	2,480	3,000	2.9	11.9	14.4	12.50
	7	12	15		7,000	12,000	15,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	12	18		6,500	11,000	16,500		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	12	24		5,500	9,500	19,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	15	15		6,400	13,800	13,800		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	15	18		6,000	12,800	15,200		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	15	24		5,200	11,100	17,700		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	18	18		5,600	14,200	14,200		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50

4. Combination Table

4-4. AJ036BXS4CH

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
3	9	9	9		9,000	9,000	9,000		27,000	9,500	27,000	28,350	600	2,160	2,440	2.9	10.3	11.7	12.50
	9	9	12		9,000	9,000	12,000		30,000	9,500	30,000	31,500	600	2,400	2,770	2.9	11.5	13.3	12.50
	9	9	15		9,000	9,000	15,000		33,000	9,500	33,000	34,650	600	2,640	3,150	2.9	12.6	15.1	12.50
	9	9	18		8,500	8,500	17,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	24		7,300	7,300	19,400		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	12	12		9,000	12,000	12,000		33,000	9,500	33,000	34,650	600	2,640	3,160	2.9	12.6	15.1	12.50
	9	12	15		8,500	11,300	14,200		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	12	18		7,800	10,500	15,700		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	12	24		6,800	9,100	18,100		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	15	15		7,800	13,100	13,100		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	15	18		7,300	12,100	14,600		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	15	24		6,400	10,600	17,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	18	18		6,800	13,600	13,600		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	12	12		11,300	11,300	11,400		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	12	15		10,500	10,500	13,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	12	18		9,700	9,700	14,600		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	12	24		8,500	8,500	17,000		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	15	15		9,800	12,100	12,100		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	15	18		9,100	11,300	13,600		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	18	18		8,500	12,800	12,700		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	15	15	15		11,300	11,300	11,400		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	15	15	18		10,600	10,600	12,800		34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
4	7	7	7	7	7,000	7,000	7,000	7,000	28,000	9,500	28,000	30,800	599	2,240	2,860	2.9	10.7	13.7	12.50
	7	7	7	9	7,000	7,000	7,000	9,000	30,000	9,500	30,000	33,000	600	2,400	3,040	2.9	11.5	14.5	12.50
	7	7	7	12	7,000	7,000	7,000	12,000	33,000	9,500	33,000	36,300	600	2,640	3,450	2.9	12.6	16.5	12.50
	7	7	7	15	6,600	6,600	6,600	14,200	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	7	18	6,100	6,100	6,100	15,700	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	7	24	5,300	5,300	5,300	18,100	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	9	9	7,000	7,000	9,000	9,000	32,000	9,500	32,000	35,200	600	2,560	3,280	2.9	12.2	15.7	12.50
	7	7	9	12	6,800	6,800	8,700	11,700	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	9	15	6,300	6,300	8,100	13,300	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	9	18	5,800	5,800	7,500	14,900	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	9	24	5,100	5,100	6,500	17,300	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	12	12	6,300	6,300	10,700	10,700	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	12	15	5,800	5,800	10,000	12,400	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	12	18	5,400	5,400	9,300	13,900	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	15	15	5,400	5,400	11,600	11,600	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	7	15	18	5,100	5,100	10,900	12,900	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	9	9	7,000	9,000	9,000	9,000	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	9	12	6,400	8,300	8,300	11,000	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	9	15	6,000	7,700	7,700	12,600	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	9	18	5,600	7,100	7,100	14,200	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	12	12	6,000	7,700	10,200	10,100	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	12	15	5,500	7,100	9,500	11,900	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	12	18	5,200	6,700	8,900	13,200	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	9	15	15	5,200	6,700	11,100	11,000	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	12	12	12	5,500	9,500	9,500	9,500	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	7	12	12	15	5,200	8,900	8,900	11,000	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50

4. Combination Table

4-4. AJ036BXS4CH

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
4	9	9	9	9	8,500	8,500	8,500	8,500	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	9	12	7,900	7,800	7,800	10,500	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	9	15	7,300	7,300	7,300	12,100	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	9	18	6,800	6,800	6,800	13,600	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	12	12	7,300	7,300	9,700	9,700	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	12	15	6,800	6,800	9,100	11,300	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	12	18	6,400	6,400	8,500	12,700	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	9	15	15	6,400	6,400	10,600	10,600	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	12	12	12	6,800	9,100	9,100	9,000	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	9	12	12	15	6,400	8,500	8,500	10,600	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50
	12	12	12	12	8,500	8,500	8,500	8,500	34,000	9,500	34,000	39,600	600	2,720	3,630	2.9	13.0	17.4	12.50

4. Combination Table

4-4. AJ036BXS4CH

Heating (Non Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	7	7			7,500	7,500			15,000	7,600	15,000	20,100	450	1,260	2,100	2.2	6.0	10.0	3.49
	7	9			8,100	10,300			18,400	7,600	18,400	23,400	450	1,530	2,400	2.2	7.3	11.5	3.52
	7	12			7,900	13,600			21,500	7,600	21,500	26,000	450	1,670	1,900	2.2	8.0	9.1	3.77
	7	15			8,100	17,400			25,500	7,600	25,500	31,300	450	1,990	2,290	2.2	9.5	11.0	3.76
	7	18			7,700	19,800			27,500	7,600	27,500	32,000	450	2,010	2,450	2.2	9.6	11.7	4.01
	7	24			7,500	25,500			33,000	7,600	33,000	36,600	450	2,410	2,450	2.2	11.5	11.7	4.01
	9	9			10,900	10,900			21,800	7,600	21,800	26,700	450	1,710	1,950	2.2	8.2	9.3	3.74
	9	12			10,700	14,200			24,900	7,600	24,900	29,300	450	1,860	2,140	2.2	8.9	10.2	3.92
	9	15			10,800	18,100			28,900	7,600	28,900	32,000	450	2,110	2,450	2.2	10.1	11.7	4.01
	9	18			10,300	20,600			30,900	7,600	30,900	36,600	450	2,260	2,450	2.2	10.8	11.7	4.01
	9	24			10,000	26,600			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	12			14,000	14,000			28,000	7,600	28,000	32,000	450	2,050	2,450	2.2	9.8	11.7	4.00
	12	15			14,200	17,800			32,000	7,600	32,000	36,600	450	2,340	2,450	2.2	11.2	11.7	4.01
	12	18			13,600	20,400			34,000	7,600	34,000	36,600	450	2,490	2,550	2.2	11.9	12.2	4.00
	12	24			12,200	24,400			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	15	15			17,000	17,000			34,000	7,600	34,000	36,600	450	2,550	2,550	2.2	12.2	12.2	3.91
	15	18			16,600	20,000			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	15	24			14,100	22,500			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	18	18			18,300	18,300			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	18	24			15,700	20,900			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	24	24			18,300	18,300			36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
3	7	7	7		7,500	7,500	7,500		22,500	7,600	22,500	29,300	450	1,830	2,140	2.2	8.8	10.2	3.60
	7	7	9		7,900	7,900	10,100		25,900	7,600	25,900	32,000	450	2,020	2,340	2.2	9.7	11.2	3.76
	7	7	12		7,800	7,800	13,400		29,000	7,600	29,000	36,600	450	2,020	2,550	2.2	9.7	12.2	4.21
	7	7	15		8,000	8,000	17,000		33,000	7,600	33,000	36,600	450	2,300	2,550	2.2	11.0	12.2	4.21
	7	7	18		8,000	8,000	20,600		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	24		6,700	6,800	23,100		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	9		8,300	10,500	10,500		29,300	7,600	29,300	36,600	450	2,040	2,550	2.2	9.8	12.2	4.21
	7	9	12		8,100	10,400	13,900		32,400	7,600	32,400	36,600	450	2,260	2,550	2.2	10.8	12.2	4.20
	7	9	15		8,200	10,600	17,600		36,400	7,600	36,400	36,600	450	2,540	2,550	2.2	12.2	12.2	4.20
	7	9	18		7,500	9,700	19,400		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	24		6,400	8,200	22,000		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	12	12		8,100	13,700	13,700		35,500	7,600	35,500	36,600	450	2,470	2,550	2.2	11.8	12.2	4.21
	7	12	15		7,600	12,900	16,100		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	12	18		6,900	11,900	17,800		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	12	24		6,000	10,200	20,400		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	15	15		7,000	14,800	14,800		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	15	18		6,400	13,700	16,500		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	15	24		5,600	11,900	19,100		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	18	18		6,000	15,300	15,300		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21

4. Combination Table

4-4. AJ036BXS4CH

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
3	9	9	9		10,900	10,900	10,900		32,700	7,600	32,700	36,600	450	2,280	2,550	2.2	10.9	12.2	4.20
	9	9	12		10,700	10,700	14,400		35,800	7,600	35,800	36,600	450	2,490	2,550	2.2	11.9	12.2	4.21
	9	9	15		10,000	10,000	16,600		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	18		9,200	9,200	18,200		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	24		7,800	7,800	21,000		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	12	12		10,000	13,300	13,300		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	12	15		9,200	12,200	15,200		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	12	18		8,400	11,300	16,900		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	12	24		7,300	9,800	19,500		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	15	15		8,400	14,100	14,100		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	15	18		7,800	13,100	15,700		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	15	24		6,900	11,400	18,300		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	18	18		7,400	14,600	14,600		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	12	12		12,200	12,200	12,200		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	12	15		11,300	11,300	14,000		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	12	18		10,500	10,500	15,600		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	12	24		9,200	9,200	18,200		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	15	15		10,400	13,100	13,100		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	15	18		9,800	12,200	14,600		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	18	18		9,200	13,700	13,700		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	15	15	15		12,200	12,200	12,200		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	15	15	18		11,400	11,400	13,800		36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
4	7	7	7	7	7,500	7,500	7,500	7,500	30,000	7,600	30,000	36,600	450	2,190	2,550	2.2	10.5	12.2	4.01
	7	7	7	9	7,800	7,800	7,800	10,000	33,400	7,600	33,400	36,600	450	2,440	2,550	2.2	11.7	12.2	4.01
	7	7	7	12	7,800	7,800	7,800	13,200	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	7	15	7,100	7,100	7,100	15,300	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	7	18	6,600	6,600	6,600	16,800	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	7	24	5,700	5,700	5,700	19,500	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	9	9	8,000	8,000	10,300	10,300	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	9	12	7,300	7,300	9,500	12,500	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	9	15	6,700	6,700	8,800	14,400	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	9	18	6,200	6,200	8,100	16,100	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	9	24	5,500	5,500	7,000	18,600	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	12	12	6,700	6,700	11,600	11,600	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	12	15	6,200	6,200	10,800	13,400	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	12	18	5,800	5,800	10,000	15,000	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	15	15	5,800	5,800	12,500	12,500	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	7	15	18	5,500	5,500	11,700	13,900	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	9	9	7,500	9,700	9,700	9,700	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	9	12	6,900	8,900	8,900	11,900	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	9	15	6,500	8,200	8,200	13,700	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	9	18	6,000	7,700	7,700	15,200	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	12	12	6,400	8,200	11,000	11,000	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	12	15	6,000	7,700	10,200	12,700	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	12	18	5,600	7,200	9,500	14,300	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	9	15	15	5,600	7,200	11,900	11,900	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	12	12	12	6,000	10,200	10,200	10,200	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	7	12	12	15	5,700	9,500	9,500	11,900	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21

4. Combination Table

4-4. AJ036BXS4CH

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
4	9	9	9	9	9,200	9,200	9,100	9,100	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	9	12	8,400	8,400	8,400	11,400	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	9	15	7,800	7,800	7,800	13,200	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	9	18	7,300	7,300	7,300	14,700	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	12	12	7,800	7,800	10,500	10,500	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	12	15	7,300	7,300	9,800	12,200	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	12	18	6,900	6,900	9,200	13,600	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	9	15	15	6,900	6,900	11,400	11,400	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	12	12	12	7,200	9,800	9,800	9,800	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	9	12	12	15	6,900	9,200	9,200	11,300	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21
	12	12	12	12	9,200	9,200	9,100	9,100	36,600	7,600	36,600	36,600	450	2,550	2,550	2.2	12.2	12.2	4.21

NOTE

1. Cooling capacity is based on 80°F(26.7°C) DB, 67°F(19.4°C) WB (indoor temperature), 95°F(35°C) DB (outdoor temperature).
2. Heating capacity is based on 70°F(21.1°C) DB (indoor temperature), 47°F(8.3°C) DB, 43°F(6.1°C) WB (outdoor temperature).
3. Capacities are based on the following conditions:
   - Corresponding refrigerant piping length 16.4ft(5m), Level differences 0ft(0m)
4. The total combination Index of connected a indoor unit is up to 48.
5. At least two indoor units must be connected for operation.
6. Refer to the table for combinations that include non-duct and slim duct indoor units.

4. Combination Table

4-4. AJ036BXS4CH

Cooling (Ducted)

Unit	Indoor Index				Cooling Capacity (btu)					Capacity			Power Consumption			Current			EER
	A	B	C	D	A	B	C	D	TTL	btu			W			A			btu/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			9,000	9,000			18,000	9,000	18,000	18,900	656	1,350	1,490	3.10	6.50	7.10	13.33
	9	12			9,000	12,000			21,000	9,000	21,000	22,050	657	1,560	1,720	3.10	7.50	8.20	13.46
	9	15			8,700	15,300			24,000	9,000	24,000	25,200	658	1,710	1,880	3.10	8.20	9.00	14.04
	9	18			8,700	17,400			26,100	9,000	26,100	27,410	659	2,260	2,490	3.20	10.80	11.90	11.55
	9	24			8,300	22,700			31,000	9,000	31,000	32,550	658	2,780	3,060	3.10	13.30	14.60	11.15
	12	12			12,000	12,000			24,000	9,000	24,000	25,200	661	1,770	1,950	3.20	8.50	9.30	13.56
	12	15			12,000	15,000			27,000	9,000	27,000	28,350	658	2,170	2,390	3.10	10.40	11.40	12.44
	12	18			11,600	17,500			29,100	9,000	29,100	30,560	663	2,560	2,820	3.20	12.20	13.50	11.37
	12	24			11,600	22,400			34,000	9,000	34,000	35,700	658	2,940	3,230	3.10	14.10	15.50	11.56
	15	18			15,000	17,100			32,100	9,000	32,100	33,710	658	2,790	3,070	3.10	13.30	14.70	11.51
	18	18			17,100	17,100			34,200	9,000	34,200	35,910	668	3,100	3,410	3.20	14.80	16.30	11.03
3	9	9	9		9,000	9,000	9,000		27,000	9,500	27,000	28,350	600	2,530	2,810	2.90	12.10	13.40	10.67
	9	9	12		9,000	9,000	12,000		30,000	9,500	30,000	31,500	600	2,770	3,140	2.90	13.30	15.00	10.83
	9	9	15		9,000	9,000	15,000		33,000	9,500	33,000	34,650	600	3,010	3,530	2.90	14.40	16.90	10.96
	9	9	18		8,500	8,500	17,000		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	12	12		9,000	12,000	12,000		33,000	9,500	33,000	34,650	600	3,010	3,530	2.90	14.40	16.90	10.96
	9	12	15		8,500	11,300	14,200		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	12	18		7,800	10,500	15,700		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	18	18		6,800	13,600	13,600		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	12	12	12		11,300	11,300	11,400		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	12	12	18		9,700	9,700	14,600		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	12	18	18		8,500	12,800	12,700		34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
4	9	9	9	9	8,500	8,500	8,500	8,500	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	9	9	12	7,800	7,800	7,800	10,600	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	9	9	18	6,800	6,800	6,800	13,600	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	9	12	12	7,300	7,300	9,700	9,700	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	9	12	18	6,400	6,400	8,500	12,700	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	9	12	12	12	6,700	9,100	9,100	9,100	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00
	12	12	12	12	8,500	8,500	8,500	8,500	34,000	9,500	34,000	39,600	600	3,090	3,630	2.90	14.80	17.40	11.00

4. Combination Table

4-4. AJ036BXS4CH

Heating (Ducted)

Unit	Indoor Index				Heating Capacity (btu)					Capacity			Power Consumption			Current			COP
	A	B	C	D	A	B	C	D	TTL	btu			W			A			W/W
										MIN	Rated	MAX	MIN	Rated	MAX	MIN	Rated	MAX	Rated
2	9	9			10,900	10,900			21,800	7,600	21,800	26,700	450	2,210	2,600	2.20	10.60	12.40	2.89
	9	12			10,700	14,200			24,900	7,600	24,900	29,300	450	2,360	2,800	2.20	11.30	13.40	3.09
	9	15			10,500	18,400			28,900	7,600	28,900	32,100	451	2,440	3,100	2.20	11.70	14.80	3.47
	9	18			10,300	20,600			30,900	7,600	30,900	34,600	450	2,630	2,950	2.20	12.60	14.10	3.44
	9	24			9,700	24,300			34,000	7,600	34,000	34,600	450	2,950	2,950	2.20	14.10	14.10	3.38
	12	12			14,000	14,000			28,000	7,600	28,000	32,000	450	2,500	3,000	2.20	12.00	14.40	3.28
	12	15			13,300	18,700			32,000	7,600	32,000	48,800	451	3,010	3,500	2.20	14.40	16.70	3.12
	12	18			13,600	20,400			34,000	7,600	34,000	34,600	450	2,950	2,950	2.20	14.10	14.10	3.38
	12	24			11,500	23,100			34,600	7,600	34,600	34,600	451	2,950	2,950	2.20	14.10	14.10	3.44
	15	18			16,400	17,600			34,000	7,600	34,000	34,600	450	2,950	2,950	2.20	14.10	14.10	3.38
	18	18			17,300	17,300			34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
3	9	9	9		10,900	10,900	10,900		32,700	7,600	32,700	34,600	450	2,790	2,950	2.20	13.30	14.10	3.44
	9	9	12		10,400	10,400	13,800		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	9	15		9,400	9,400	15,700		34,500	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	9	18		8,700	8,700	17,200		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	12	12		9,400	12,600	12,600		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	12	15		8,700	11,500	14,400		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	12	18		8,000	10,600	16,000		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	18	18		7,000	13,800	13,800		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	12	12	12		11,500	11,500	11,600		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	12	12	18		9,900	9,900	14,800		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	12	18	18		8,700	13,000	12,900		34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
4	9	9	9	9	8,700	8,700	8,600	8,600	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	9	9	12	8,000	8,000	8,000	10,600	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	9	9	18	6,900	6,900	6,900	13,900	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	9	12	12	7,400	7,400	9,900	9,900	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	9	12	18	6,500	6,500	8,700	12,900	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	9	12	12	12	7,000	9,200	9,200	9,200	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44
	12	12	12	12	8,700	8,700	8,600	8,600	34,600	7,600	34,600	34,600	450	2,950	2,950	2.20	14.10	14.10	3.44

NOTE

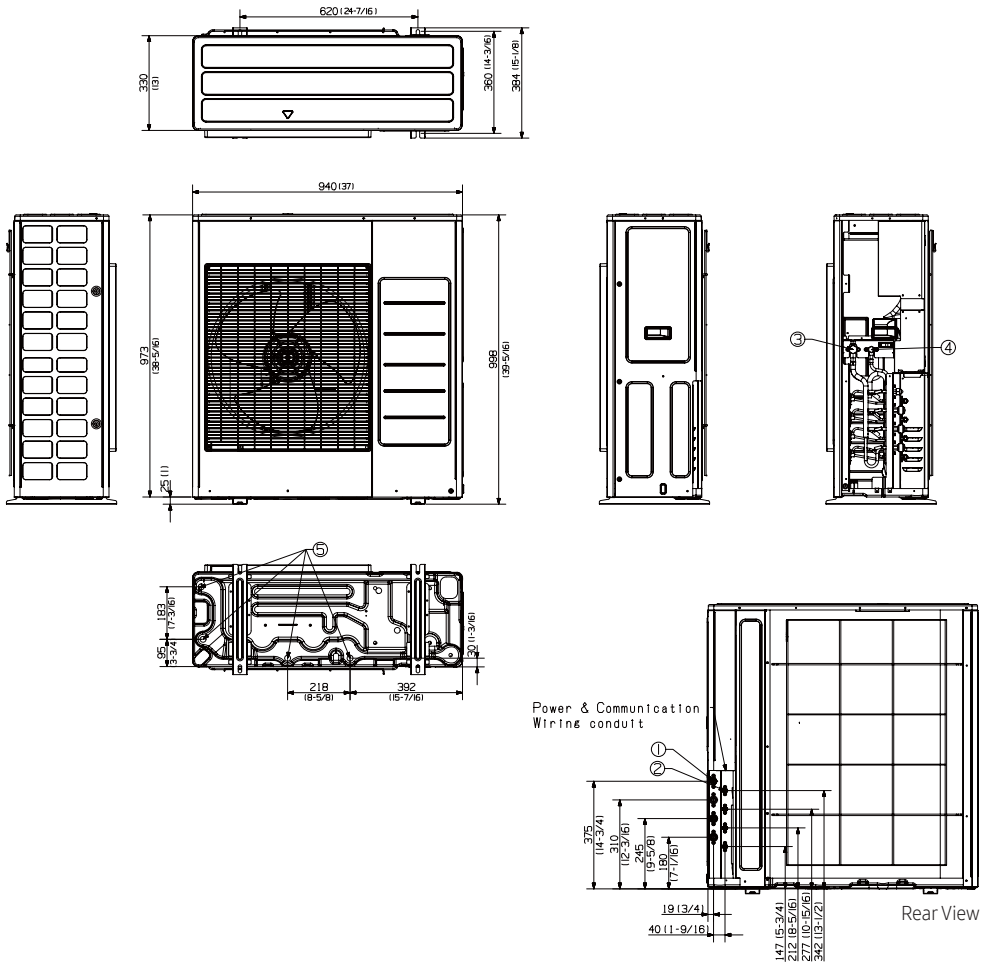
1 Cooling capacity is based on 80°FDB(26.7°CDB) / 67°FDB(19.4°CWB) (indoor temperature), 95°FDB(35°CDB) (outdoor temperature).
2 Heating capacity is based on 70°FDB(21.1°CDB) (indoor temperature), 47°FDB(8.33°CDB) / 43°FDB(6.11°CWB) (outdoor temperature).
3 Capacities are based on the following conditions:
- Corresponding refrigerant piping length : 24.6ft(7.5m) / - Level difference : 0m
4 The total combination Index of connected a indoor unit is up to 48.
5 At least two indoor units must be connected for operation.
6 Ducted combination means mixing AC***BNZDCH/AA (MPAH) and AC***BNLDCH/AA (Slim Duct) units on the same system.
7 If AJ0**BNHDCH/AA or AC0**BNZDCH/AA (MPAH) is included in the combination, the combination criteria noted on page 26 must be followed.

5. Dimensional Drawing

5-1. Outdoor units

JXH20S3B(AJ020BXS3CH/AA), JXH24S4B (AJ024BXS4CH/AA), JXH30S4B (AJ030BXS4CH/AA)

Units : mm [inches]



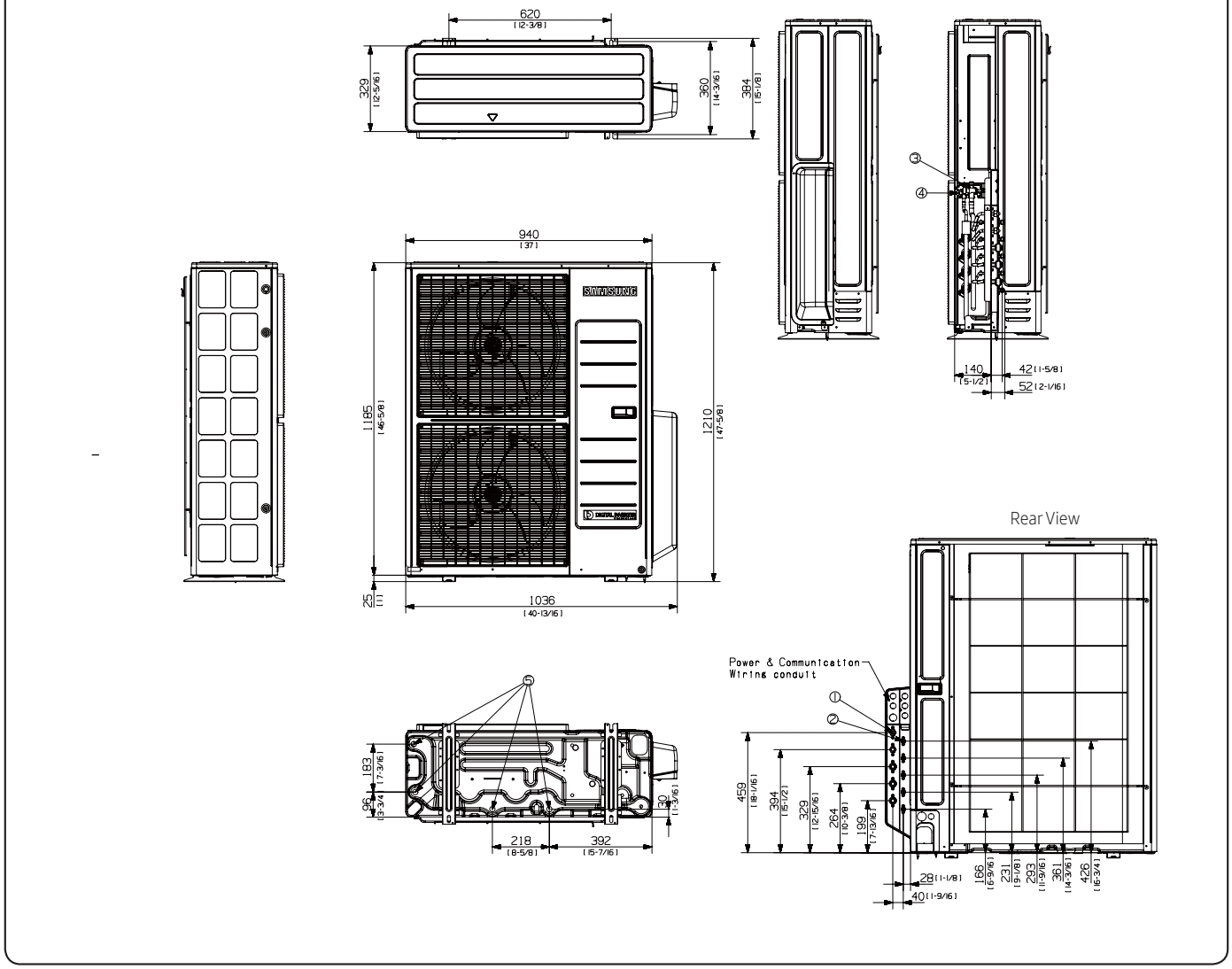
NO	Name	Description		
		JXH20S3B	JXH24S4B	JXH30S4B
1	Refrigerant gas pipe	Φ9.52 (Φ3/8) x 3 EA	Φ9.52 (Φ3/8) x 2 EA, Φ12.7 (Φ1/2) x 2 EA	
2	Refrigerant liquid pipe	Φ6.35 (Φ1/4) X 3 EA	Φ6.35 (Φ1/4) X 4 EA	
3	Service valve (gas)	5/8 "		
4	Service valve (liquid)	3/8 "		
5	Drain hole	Connection with the provided drain plug.		

5. Dimensional Drawing

5-1. Outdoor units

JXH36S4B(AJ036BXS4CH/AA)

Units : mm [inches]



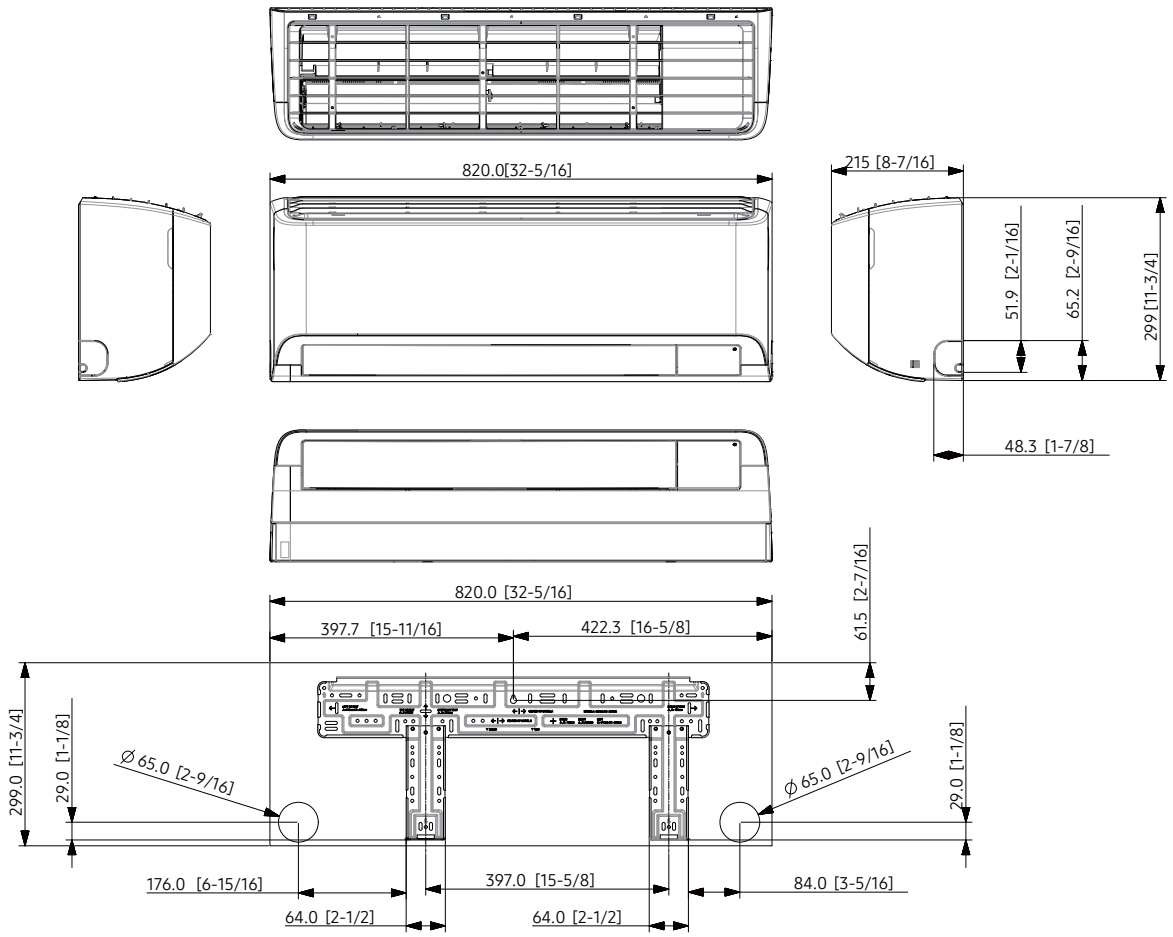
NO	Name	Description
		JXH36S4T
1	Refrigerant gas pipe	Φ9.52 (Φ3/8) x 2 EA, Φ12.7 (Φ1/2) x 2 EA
2	Refrigerant liquid pipe	Φ6.35 (Φ1/4) X 4EA
3	Service valve (gas)	5/8 “
4	Service valve (liquid)	3/8 “

5. Dimensional Drawing

5-2. Indoor units

1. WindFree 2.0e : RNS07CMB (AR07BSFCMWKNCV), RNS09CMB (AR09BSFCMWKNCV), RNS12CMB (AR12BSFCMWKNCV)

Unit : mm [inches]

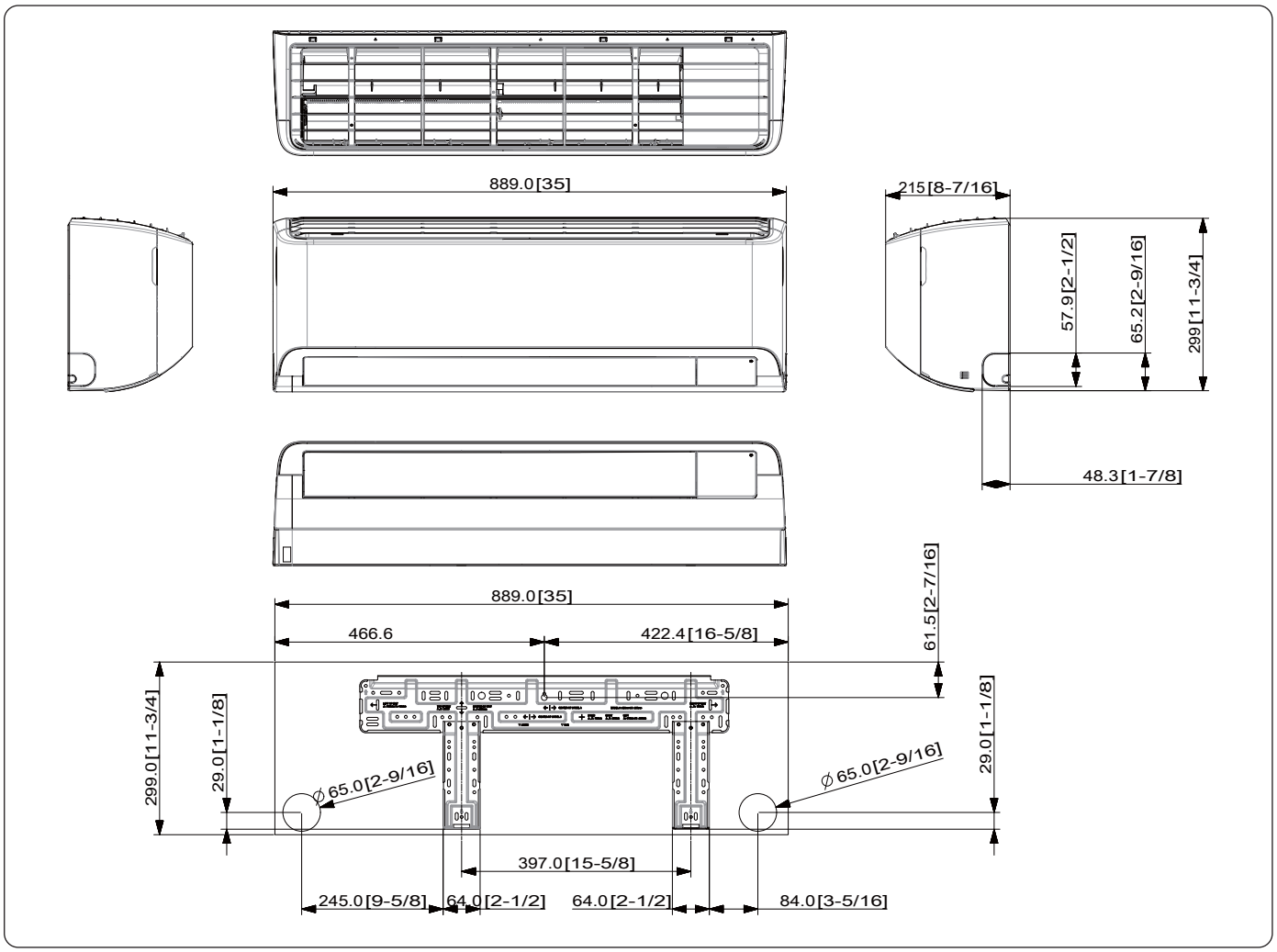


5. Dimensional Drawing

5-2. Indoor units

2. WindFree™ 2.0 : RNS07ABT (AR07TSFABWKNCV), RNS09ABT (AR09TSFABWKNCV),
RNS12ABT (AR12TSFABWKNCV), RNS15ABT (AR15TSFABWKNCV)
WindFree 2.0e : RNS15CMB (AR15BSFCMWKNCV)

Units : mm [inches]

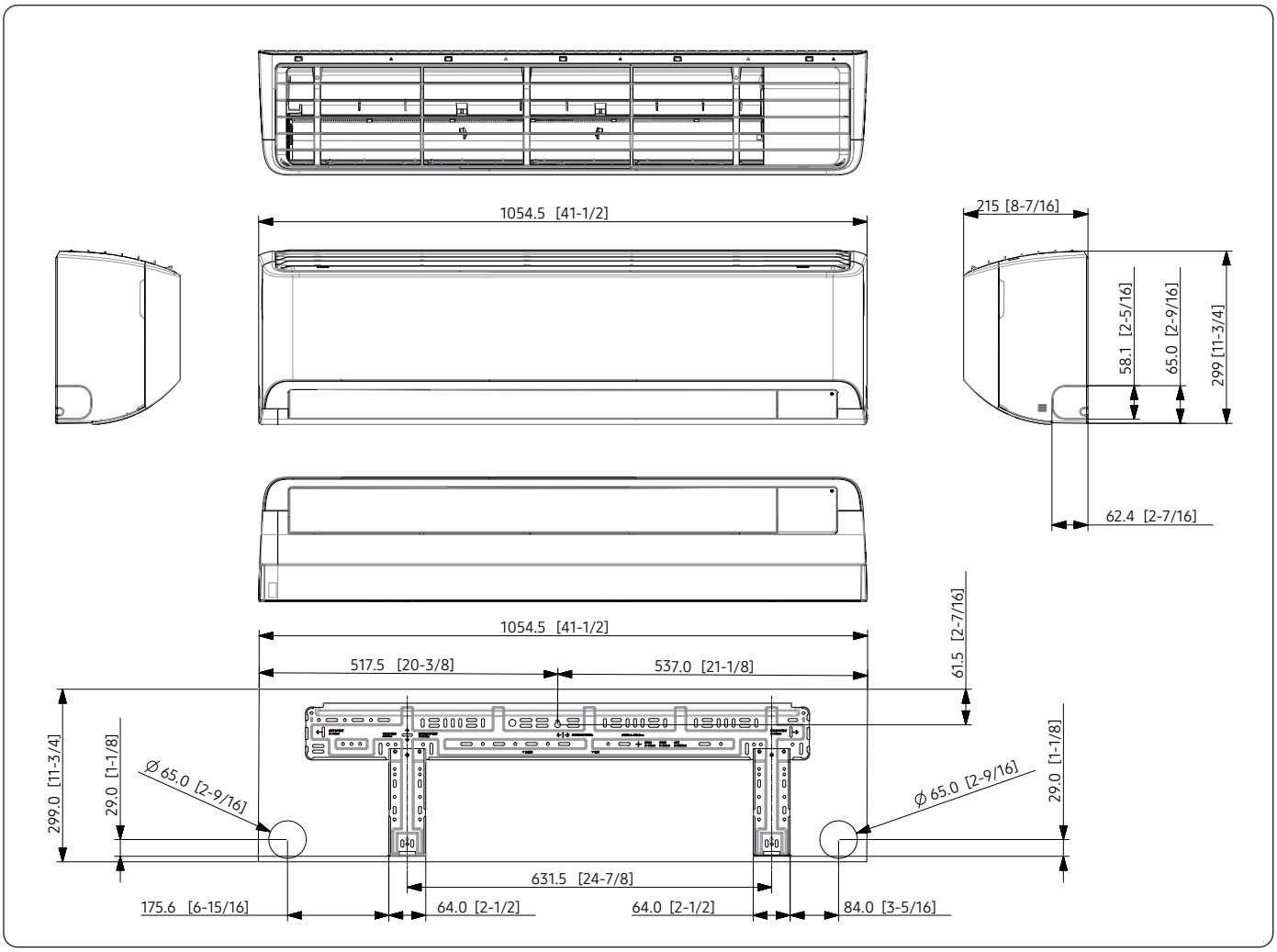


5. Dimensional Drawing

5-2. Indoor units

3. WindFree™ 2.0 : RNS18ABT (AR18TSFABWKNCV), RNS24ABT (AR24TSFABWKNCV)
   WindFree 2.0e : RNS18CMB (AR18BSFCMWKNCV), RNS24CMB (AR24BSFCMWKNCV)

Units : mm [inches]

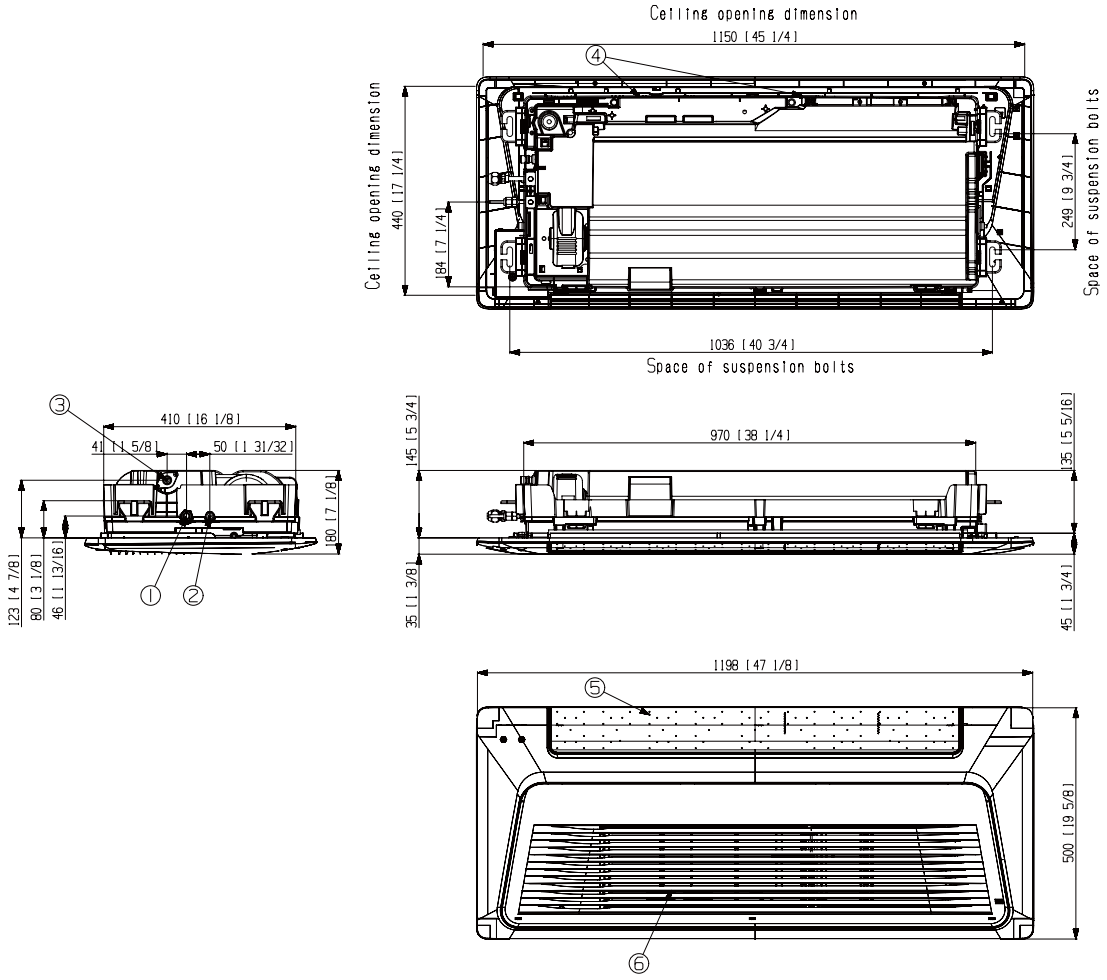


5. Dimensional Drawing

5-2. Indoor units

4. (WindFree) 1Way Cassette : CNH091DB (AC009BN1DCH/AA), CNH121DB (AC012BN1DCH/AA)

Units : mm [inches]



No.	Name	Description
1	Gas pipe connection	Φ 9.52 (3/8)
2	Liquid pipe connection	Φ 6.35 (1/4)
3	Drain pipe connection	VP-20 (OD26, ID20)
4	Power supply & Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

NOTE

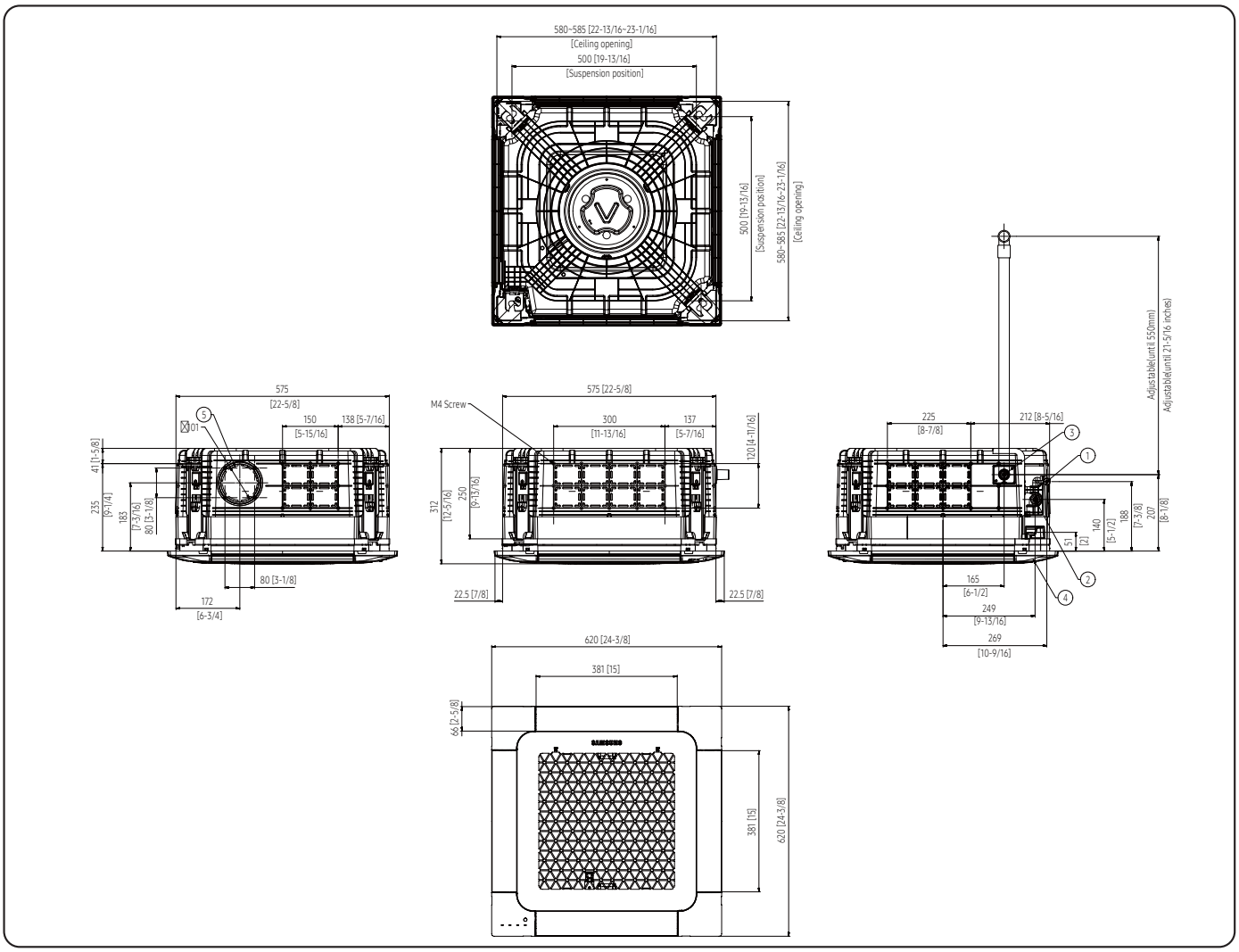
- As for suspension bolt, please use M8 ~ M10.
  (Procured at local site)

5. Dimensional Drawing

5-2. Indoor units

5. (WindFree) 4Way Cassette (600x600) : CNH09NDB(AC009BNNDCH/AA),
CNH12NDB(AC012BNNDCH/AA),
CNH18NDB(AC018BNNDCH/AA)

Units : mm [inches]



No.	Name	Description	
		CNH09/12NDB (AC009/012BNNDCH/AA)	CNH18NDB (AC018BNNDCH/AA)
1	Liquid pipe connection	Φ6.35(1/4)	
2	Gas pipe connection	Φ9.52(3/8)	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)	
4	Power supply & Communication wiring conduit		
5	Sub duct connection	Use M4 Screw	
6	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw	

NOTE

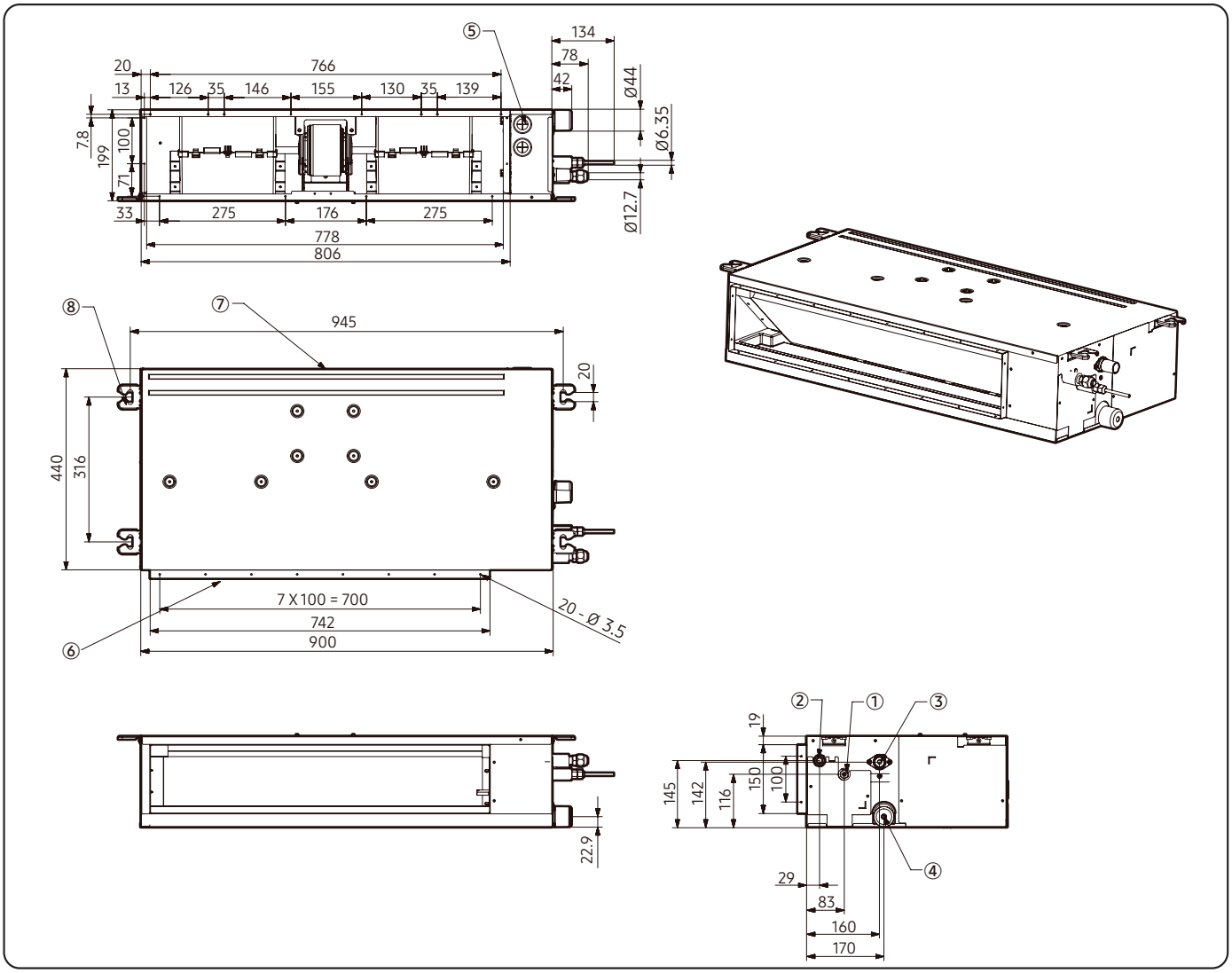
- As for suspension bolt, please use M8 ~ M10.
(Procured at local site)

5. Dimensional Drawing

5-2. Indoor units

6. Slim duct : CNH09LDB(AC009BNLDCH/AA), CNH12LDB(AC012BNLDCH/AA)

Units : mm [inches]



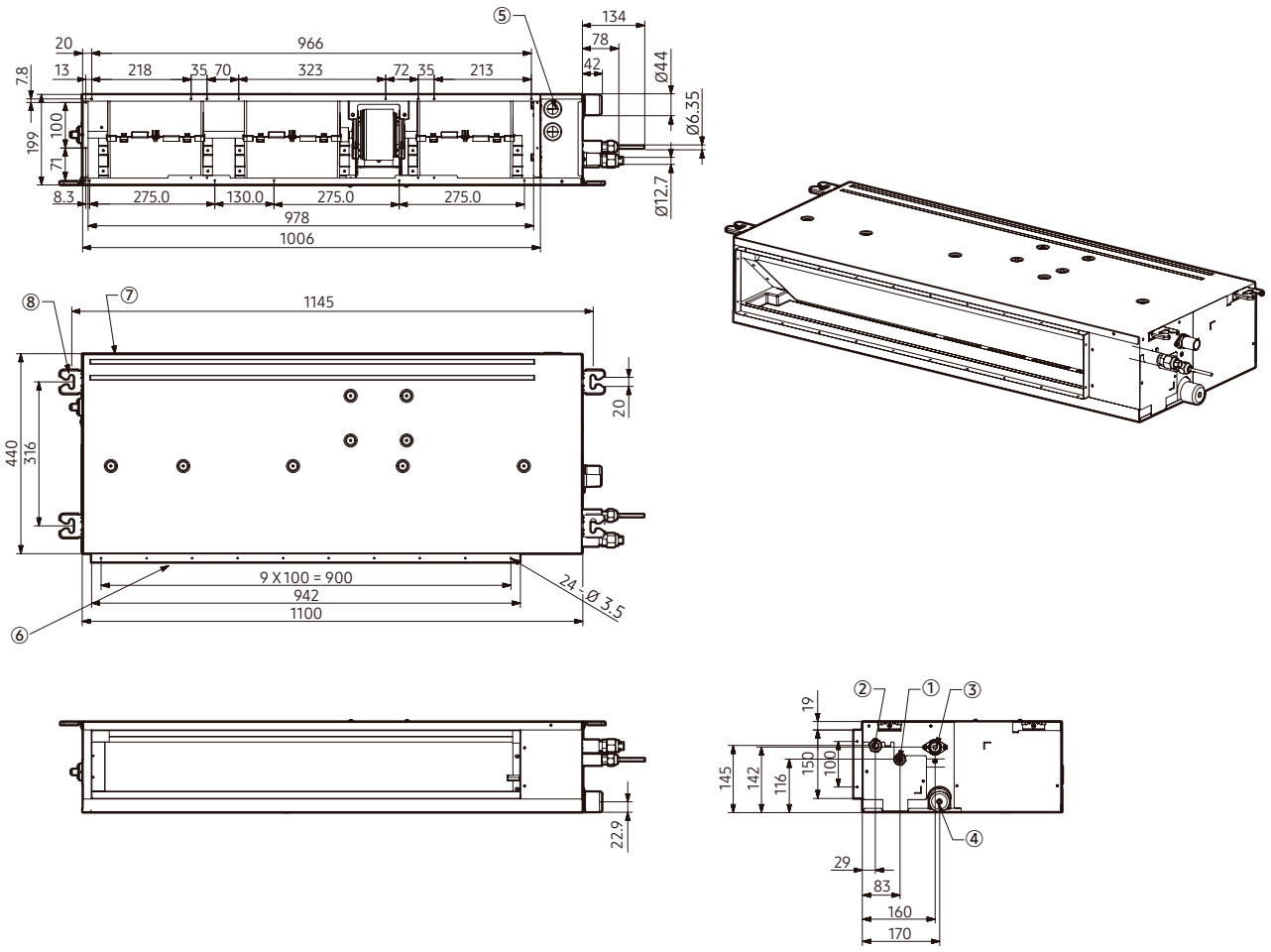
No.	Name	Description
①	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
②	Refrigerant Gas Pipe	Φ9.52 [3/8"] Flare Connection
③	Condensate Drain	VP25 (OD 32, ID 25)
④	Condensate Drain (Option)	VP25 (OD 32, ID 25)
⑤	Power & Comm. Wiring Conduits	-
⑥	Supply Air Flange	-
⑦	Return Air Flange	-
⑧	Hook	-

5. Dimensional Drawing

5-2. Indoor units

7. Slim duct : CNH18LDB(AC018BNLDCH/AA)

Units : mm [inches]



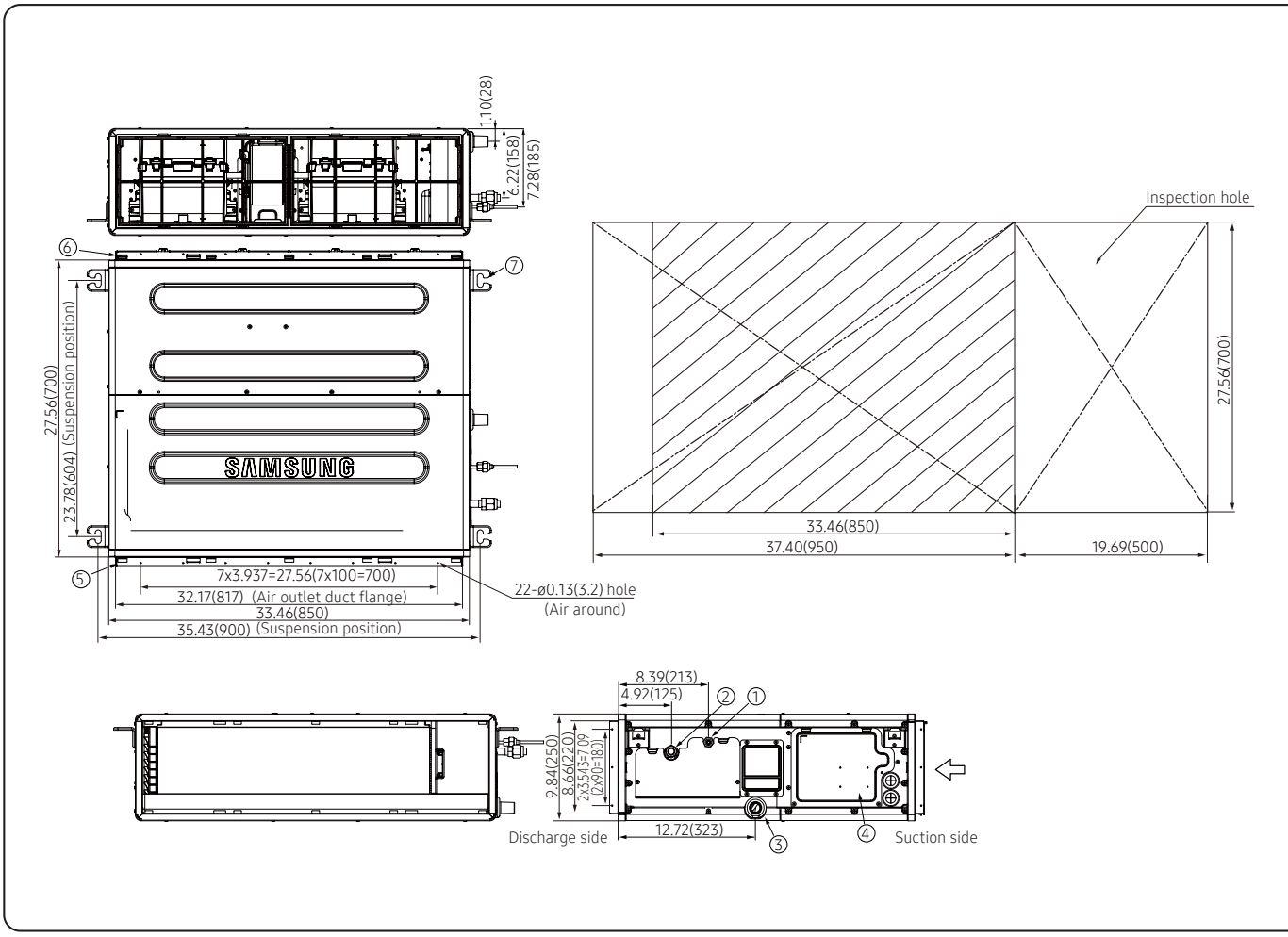
No.	Name	Description
①	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
②	Refrigerant Gas Pipe	Ø12.7 [1/2"] Flare Connection
③	Condensate Drain	VP25 (OD 32, ID 25)
④	Condensate Drain (Option)	VP25 (OD 32, ID 25)
⑤	Power & Comm. Wiring Conduits	-
⑥	Supply Air Flange	-
⑦	Return Air Flange	-
⑧	Hook	-

5. Dimensional Drawing

5-2. Indoor units

8. Duct S : JNH09HDB (AJ009BNHDCH/AA), JNH12HDB (AJ012BNHDCH/AA)
JNH15HDB (AJ015BNHDCH/AA), JNH18HDB (AJ018BNHDCH/AA)

Units : mm [inches]



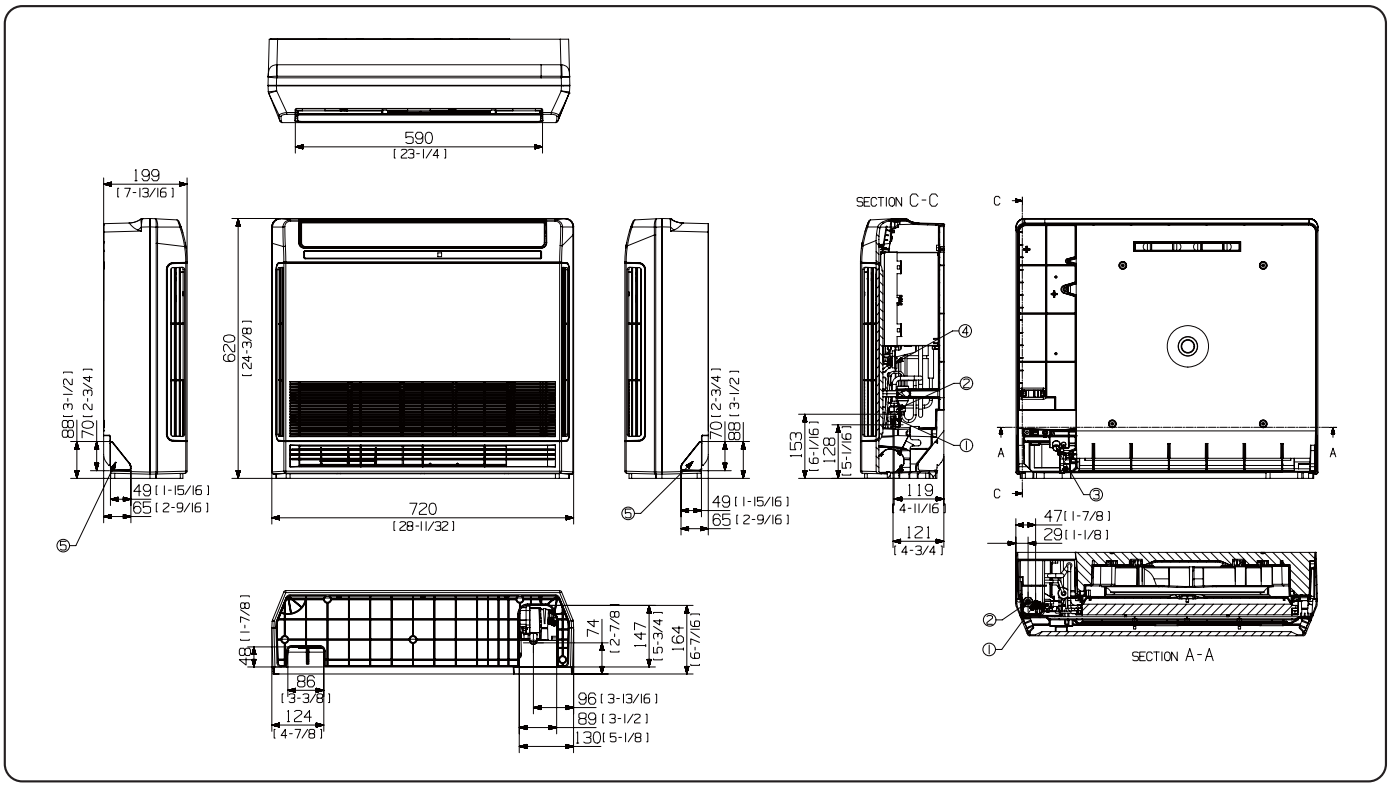
NO	Name	Description
1	Liquid pipe connection	Ø1/4"(6.35)
2	Gas pipe connection	Φ3/8"(9.52)
3	Drain pipe connection	ODØ1.26”(32) IDØ0.98”(25)
4	Power supply connection	-
5	Air discharge flange	-
6	Air filter	-
7	Hook	M8~M10

5. Dimensional Drawing

5-2. Indoor units

9. Console : CHN09JDB(AC009BNJDCH/AA), CHN12JDB(AC012BNJDCH/AA)
CHN15JDB(AC015BNJDCH/AA), CHN18JDB(AC018BNJDCH/AA)

Units : mm [inches]



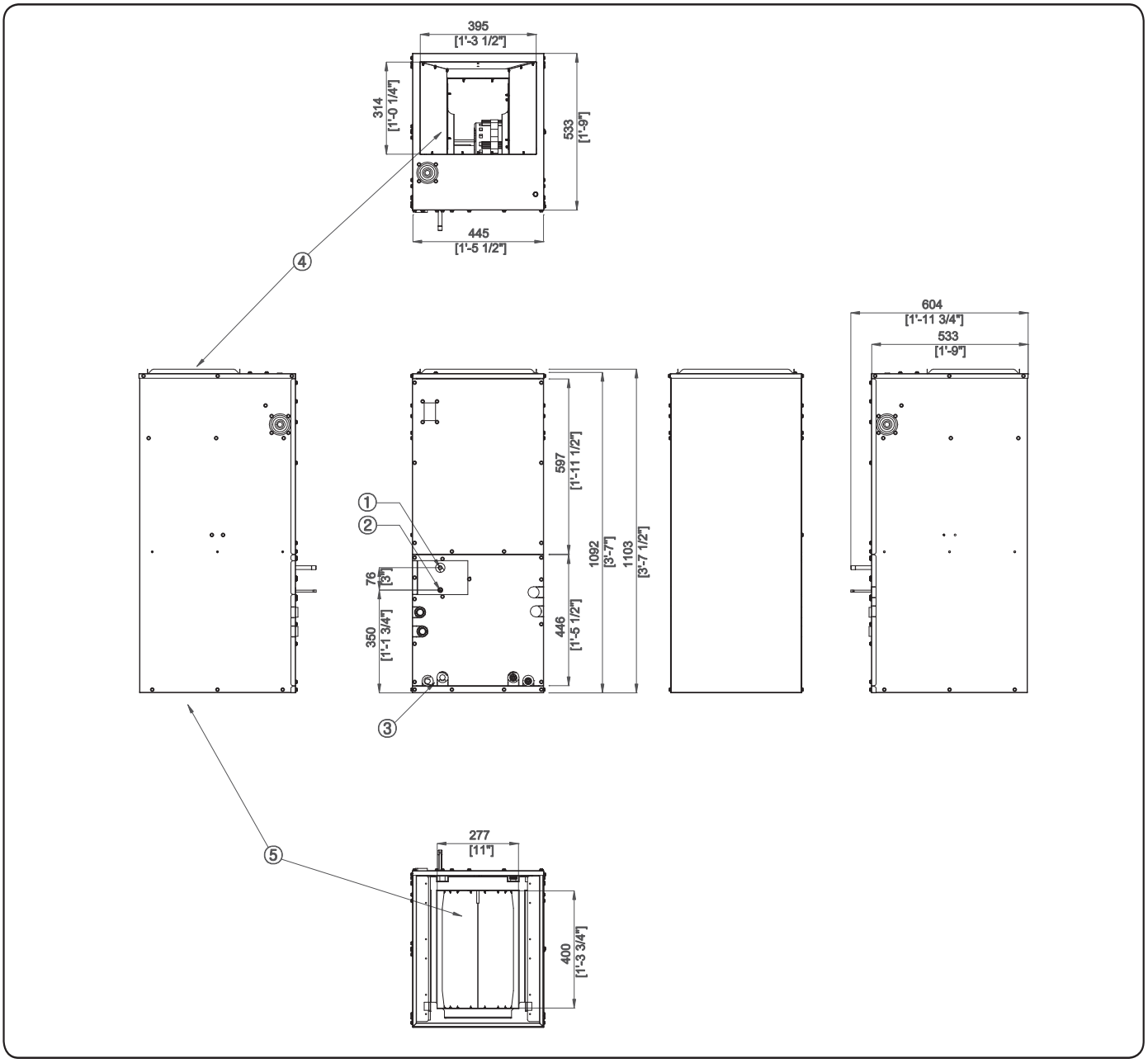
NO	Name	Description	
		CHN09JDB, CHN12JDB	CHN15JDB, CHN18JDB
1	Liquid pipe connection	Φ6.35(1/4)	
2	Gas pipe connection	Φ9.52(3/8)	Φ12.7(1/2)
3	Drain pipe connection	ID18mm [11/16inch] Hose	
4	Power supply & Communication wiring conduit	-	
6	Knockout hole for drain hose	-	

5. Dimensional Drawing

5-2. Indoor units

10. Multi Position AHU : CNH12ZDB(AC012BNZDCH/AA), CNH18ZDB(AC018BNZDCH/AA) CNH24ZDB(AC024BNZDCH/AA)

Units : mm [inches]



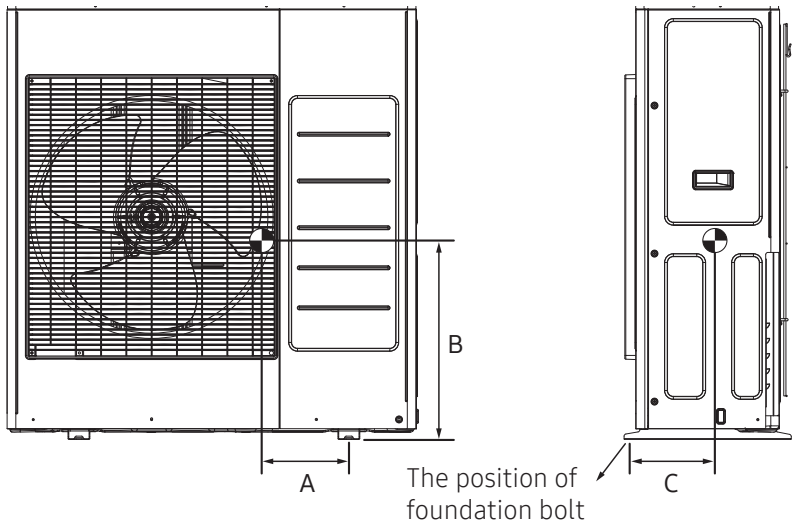
No.	Name	Description	
		CNH15/18ZDB	CNH24ZDB
1	Gas pipe connection	Φ12.7(1/2")	Φ15.88(5/8")
2	Liquid pipe connection	Φ6.35(1/4")	
3	Drain pipe connection	FPT 3/4"	
4	Air outlet		
5	Air intake		

6. Center of Gravity

6-1. Outdoor units

1. JXH20S3T (AJ020TXS3CH/AA), JXH24S4T (AJ024TXS4CH/AA), JXH30S4T (AJ030TXS4CH/AA)

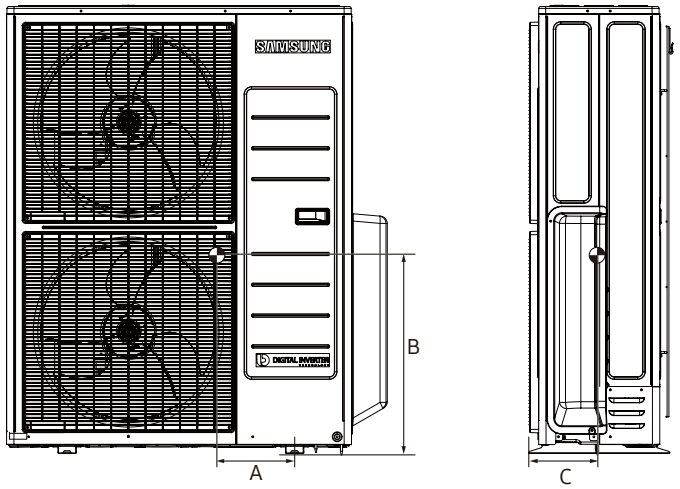
Units : mm [inches]



Model	A	B	C
JXH36J4T (AJ036TXJ4CH/AA)	207 [8-1/8]	444 [17-1/2]	176 [6-15/16]

2. JXH36S4T (AJ036TXS4CH/AA)

Units : mm (inches)



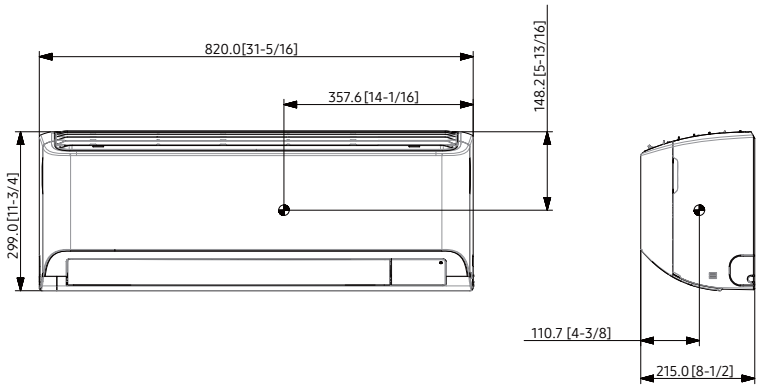
Model	A	B	C
JXH48J5T (AJ048TXJ5CH/AA)	205 [8-1/8]	530 [20-7/8]	176 [6-15/16]

6. Center of Gravity

6-2. Indoor units

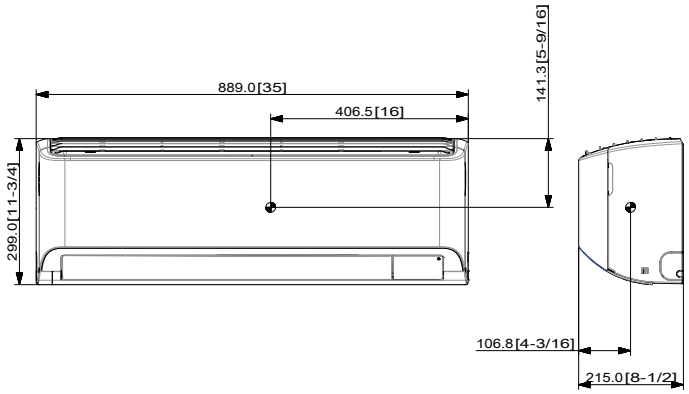
1. WindFree 2.0e : RNS07CMB (AR07BSFCMWKNCV), RNS09CMB (AR09BSFCMWKNCV), RNS12CMB (AR12BSFCMWKNCV)

Units : mm (inches)



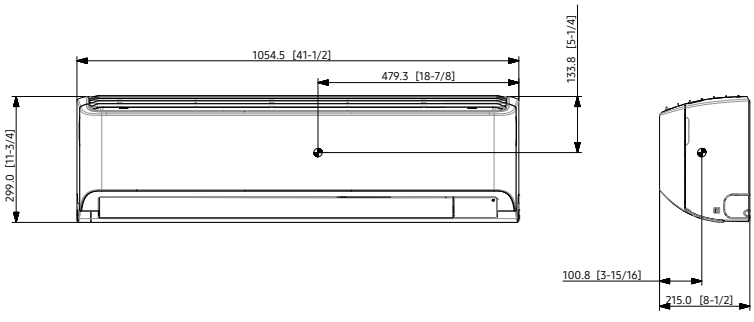
2. WindFree™ 2.0 : RNS07ABT(AR07TSFABWKNCV), RNS09ABT(AR09TSFABWKNCV), RNS12ABT(AR12TSFABWKNCV), RNS15ABT(AR15TSFABWKNCV)
WindFree 2.0e : RNS15CMB (AR15BSFCMWKNCV)

Units : mm (inches)



3. WindFree™ 2.0 : RNS18ABT(AR18TSFABWKNCV), RNS24ABT(AR24TSFABWKNCV)
WindFree 2.0e : RNS18CMB (AR18BSFCMWKNCV), RNS24CMB (AR24BSFCMWKNCV)

Units : mm (inches)

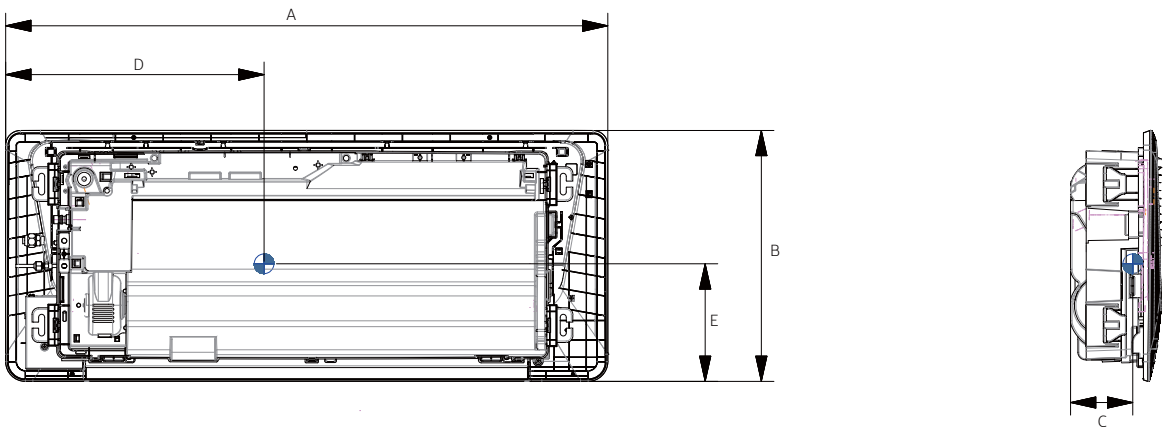


6. Center of Gravity

6-2. Indoor units

4. (WindFree) 1Way Cassette : CNH091DB (AC009BN1DCH/AA), CNH121DB (AC012BN1DCH/AA)

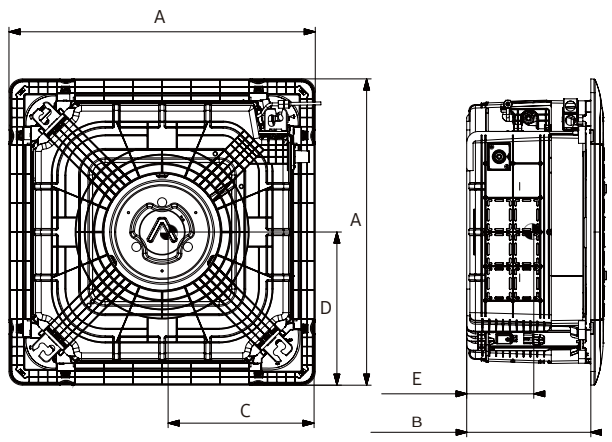
Units : mm (inches)



Model	A	B	C	D	E
CNH091DB (AC009BN1DCH/AA) CNH121DB (AC012BN1DCH/AA)	1,198 [47-3/16]	500 [19-11/16]	108 [4-1/2]	555 [21-7/8]	200 [7-7/8]

5. (WindFree) 4Way Cassette (600x600) : CNH09NDB(AC009BNNDCH/AA), CNH12NDB(AC012BNNDCH/AA), CNH18NDB(AC018BNNDCH/AA)

Units : mm (inches)



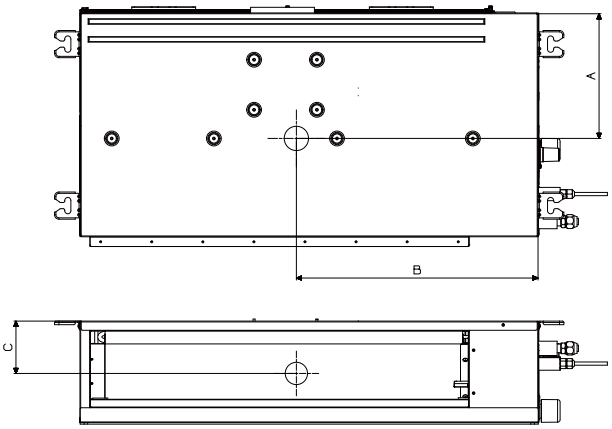
Model	A	B	C	D	E
CNH09NDB(AC009BNNDCH/AA) CNH12NDB(AC012BNNDCH/AA) CNH18NDB(AC018BNNDCH/AA)	620 [24-3/8]	266 [10-7/16]	295 [11-5/8]	320 [12-5/16]	145 [5-11/16]

6. Center of Gravity

6-2. Indoor units

6. Slim duct : CNH09LDB(AC009BNLDCH/AA), CNH12LDB(AC012BNLDCH/AA)
CNH18LDB(AC018BNLDCH/AA)

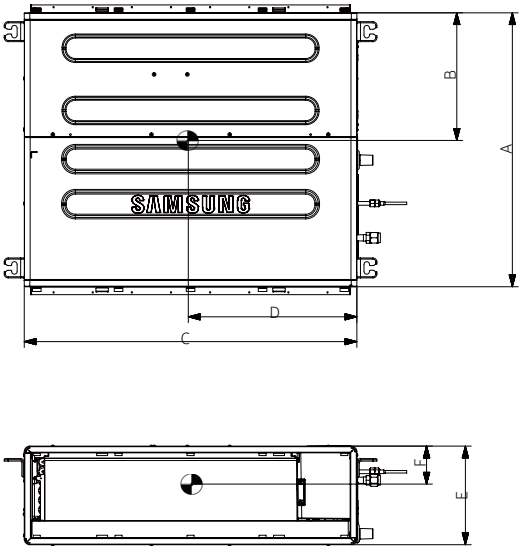
Units : mm (inches)



Model	A	B	C
CNH09/12LDB(AC009/012BNLDCH/AA)	233 [9-3/16]	436 [17-3/16]	100 [3-15/16]
CNH18LDB(AC018BNLDCH/AA)	240 [9-7/16]	540 [21-1/4]	100 [3-15/16]

7. Duct S : JNH09HDB (AJ009BNHDCH/AA), JNH12HDB (AJ012BNHDCH/AA)
JNH15HDB (AJ015BNHDCH/AA), JNH18HDB (AJ018BNHDCH/AA)

Units : mm (inches)



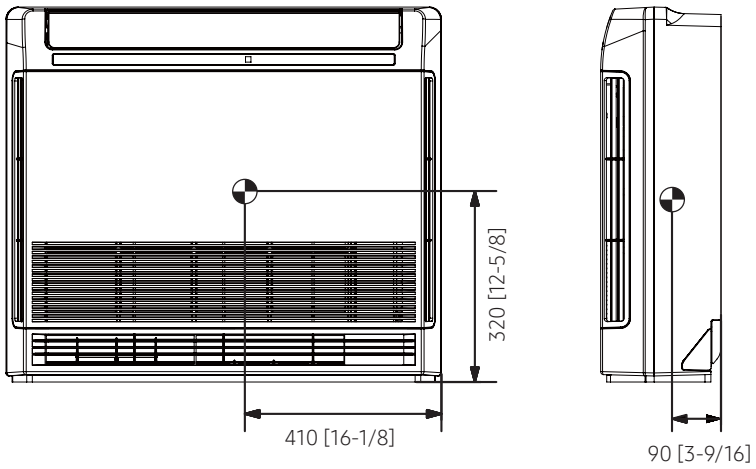
A	B	C	D	E	F
700 [27-9/16]	335 [14]	900 [35-7/16]	405 [15-15/16]	252 [9-15/16]	125 [4-15/16]

6. Center of Gravity

6-2. Indoor units

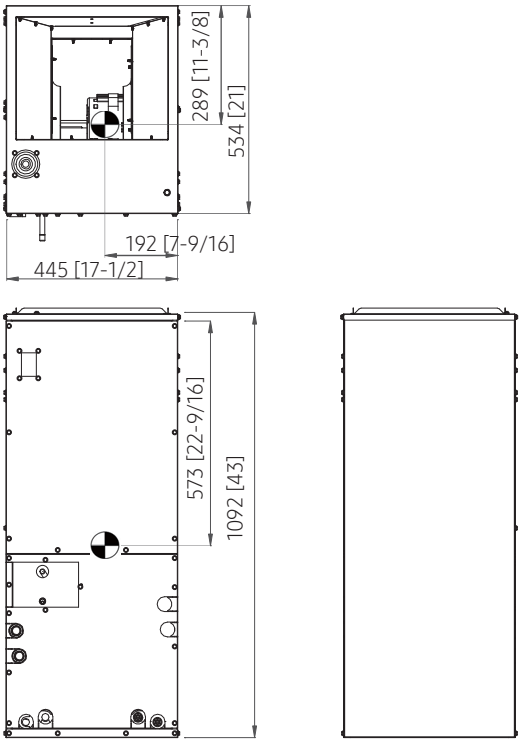
8. Console : CHN09JDB(AC009BNJDCH/AA), CHN12JDB(AC012BNJDCH/AA)
CHN15JDB(AC015BNJDCH/AA), CHN18JDB(AC018BNJDCH/AA)

Units : mm (inches)



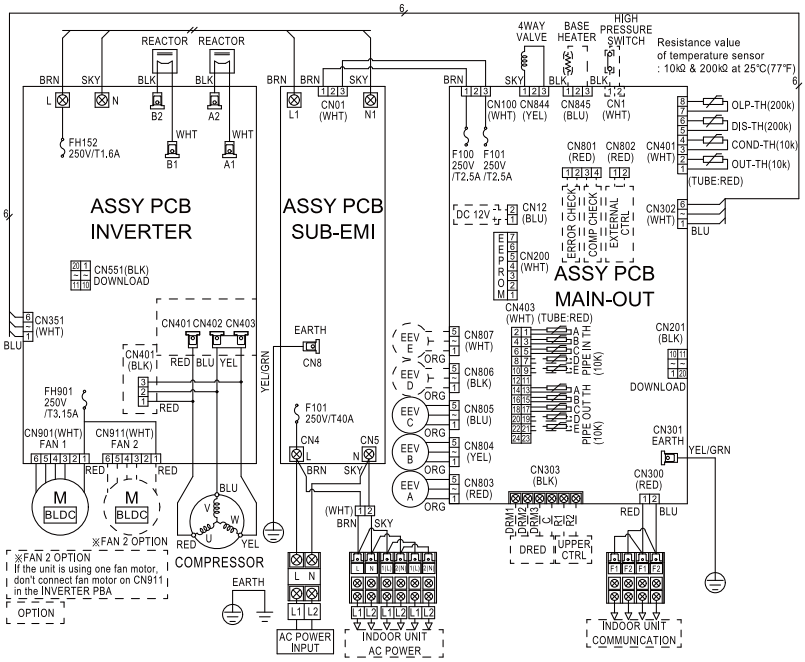
9. Multi Position AHU : CNH12ZDB(AC012BNZDCH/AA), CNH18ZDB(AC018BNZDCH/AA)
CNH24ZDB(AC024BNZDCH/AA)

Units : mm (inches)



7. Electrical Wiring Diagram

7-1. Outdoor units



ASSY PCB INVERTER	Printed circuit board	BASE HEATER	Heating Wire	PIPE OUT TH - A	Thermistor (A Pipe Out Temp. - 10kohm)
ASSY PCB SUB-EMI	Printed circuit board	OUT-TH	Thermistor (Ambient Temp. - 10kohm)	PIPE OUT TH - B	Thermistor (B Pipe Out Temp. - 10kohm)
ASSY PCB MAIN-OUT	Printed circuit board	DIS-TH	Thermistor (Discharge Temp. - 200kohm)	PIPE OUT TH - C	Thermistor (C Pipe Out Temp. - 10kohm)
FH152(250V/T1.6A)	Fuse(ASSY PCB INVERTER)	COND-TH	Thermistor (Condensor Temp. - 10kohm)	PIPE OUT TH - D	Thermistor (D Pipe Out Temp. - 10kohm)
FH901(250V/T3.15A)	Fuse(ASSY PCB INVERTER)	OLP-TH	Thermistor (Compressor Top Temp. - 200kohm)	PIPE OUT TH - E	Thermistor (E Pipe Out Temp. - 10kohm)
F101(250V/T40A)	Fuse(ASSY PCB SUB-EMI)	PIPE IN TH - A	Thermistor (A Pipe In Temp. - 10kohm)	EEV - A	Electronic Expansion Valve A
F100(250V/T2.5A)	Fuse(ASSY PCB MAIN-OUT)	PIPE IN TH - B	Thermistor (B Pipe In Temp. - 10kohm)	EEV - B	Electronic Expansion Valve B
F101(250V/T2.5A)	Fuse(ASSY PCB MAIN-OUT)	PIPE IN TH - C	Thermistor (C Pipe In Temp. - 10kohm)	EEV - C	Electronic Expansion Valve C
COMPRESSOR	Motor(Compressor)	PIPE IN TH - D	Thermistor (D Pipe In Temp. - 10kohm)	EEV - D	Electronic Expansion Valve D
M-BLDC	Motor(FAN)	PIPE IN TH - E	Thermistor (E Pipe In Temp. - 10kohm)	EEV - E	Electronic Expansion Valve E
4WAY VALVE	Solenoid Valve(4Way)				

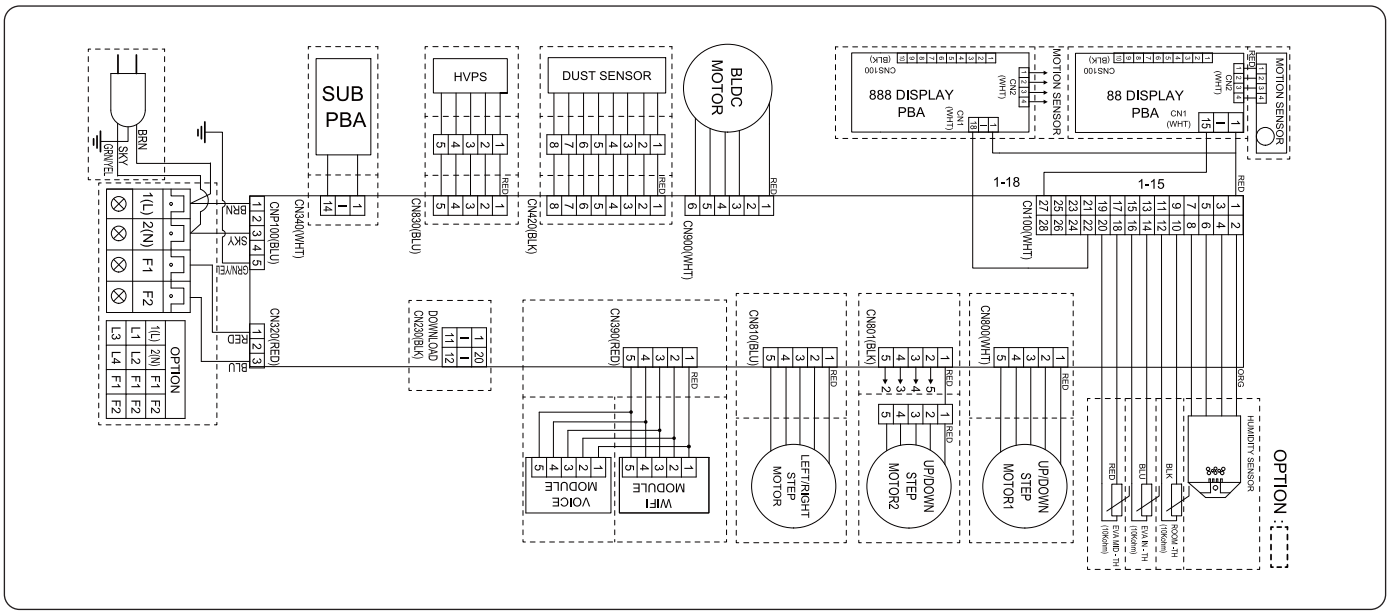
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- For connection wiring indoor-outdoor transmission F1-F2, refer to the installation manual
- ⏚ Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

1. WindFree™ 2.0 : RNS07ABT (AR07TSFABWKNCV), RNS09ABT (AR09TSFABWKNCV), RNS12ABT (AR12TSFABWKNCV), RNS15ABT (AR15TSFABWKNCV), RNS18ABT (AR18TSFABWKNCV), RNS24ABT (AR24TSFABWKNCV)
   WindFree 2.0e : RNS07YBT (AR07TSFYBWKNCV), RNS09YBT (AR09TSFYBWKNCV), RNS12YBT (AR12TSFYBWKNCV), RNS15YBT (AR15TSFYBWKNCV), RNS18YBT (AR18TSFYBWKNCV), RNS24YBT (AR24TSFYBWKNCV)



MAIN PBA	Printed circuit board(MAIN)	BLDC MOTOR	BLDC Motor	ROOM-TH(10K)	Thermistor ROOM
88 DISPLAY	Printed circuit board(DISPLAY)	HVPS	High voltage power supply(Option)	EVA IN-TH(10K)	Thermistor EVA IN
SUB	Printed circuit board(SUB)	DUST SENSOR	Dust Sensor(Option)	EVA MID-TH(10K)	Thermistor EVA OUT
WIFI MODULE	Wifi(Option)	HUMIDITY SENSOR	Humidity Sensor(Option)	STEP MOTOR1	Up/Down Louver
VOICE MODULE	Voice recognition(Option)	STEP MOTOR	Left/Rigth Louver	STEP MOTOR2	Up/Down Louver(Option)

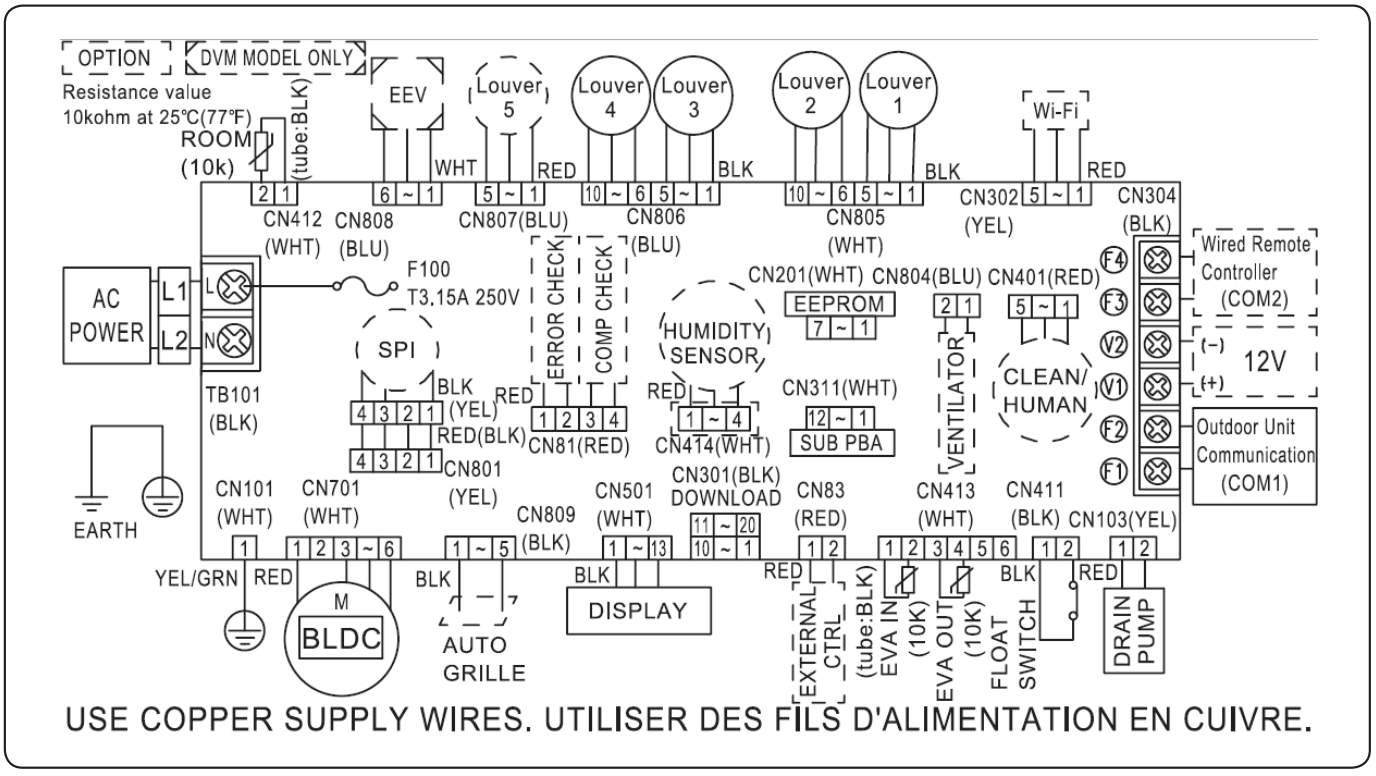
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- For connection wiring indoor-outdoor transmission F1-F2, refer to the installation manual
- ⏚ Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

2. (WindFree) 1Way Cassette : CNH091DB (AC009BN1DCH/AA), CNH121DB (AC012BN1DCH/AA)



M-BLDC	BLDC Motor	**SPI**	S-Plasma ion	**ROOM(10K)**	Thermistor ROOM OUT(10K)
WiFi	Option WiFi Module	**EEV**	Electronic Expansion Valve	**EVA-IN(10K)**	Thermistor EVA IN(10K)
F1/F2	Out To Indoor Communication	**EXT_CONTROL**	EXTERNAL_CONTROL	**EVA-OUT(10K)**	Thermistor EVA OUT(10K)

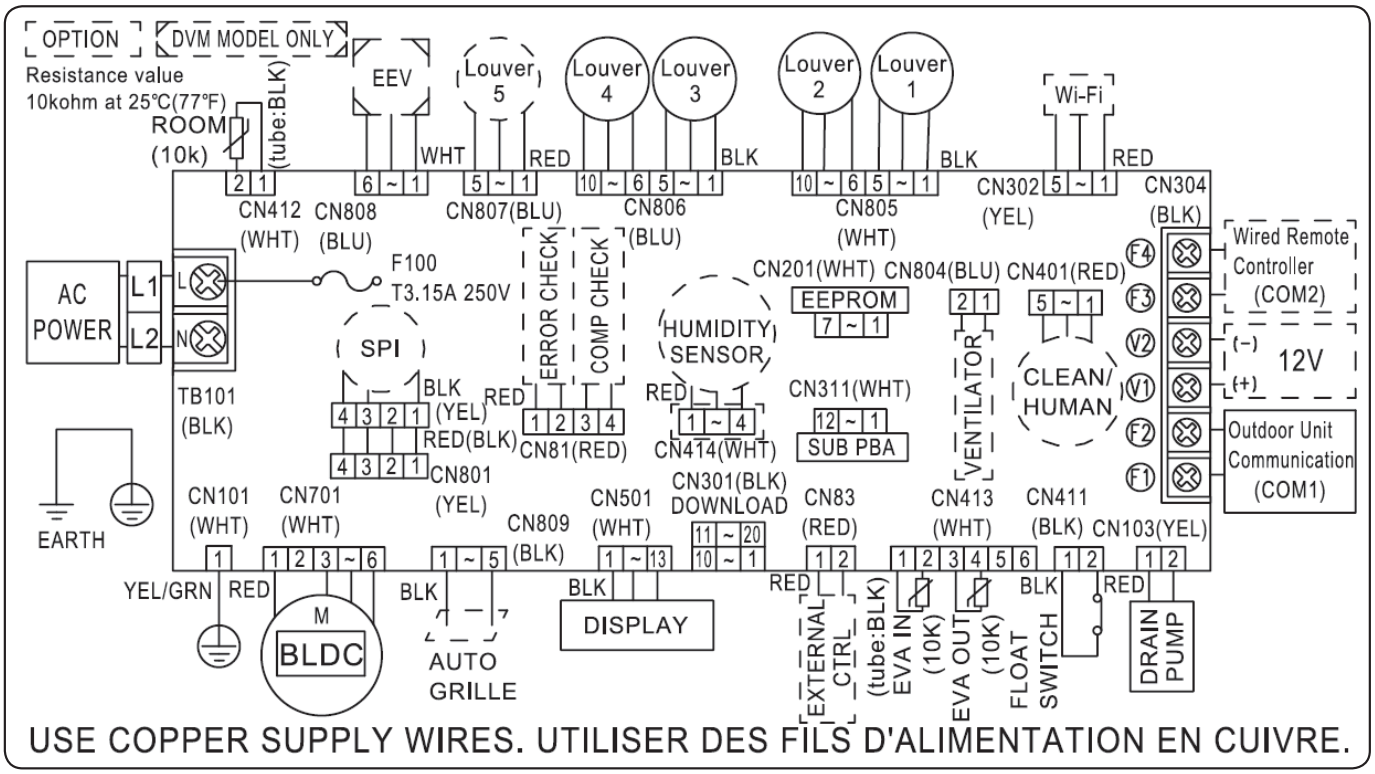
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Indoor to outdoor unit communication wire: F1/F2. Indoor unit to wired controller communication wire: F3/F4. Refer to the indoor unit installation manual for full details.
- ⏚ Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

3. (WindFree) 4Way Cassette (600x600) : CNH09NDB(AC009BNNDCH/AA),
CNH12NDB(AC012BNNDCH/AA),
CNH18NDB(AC018BNNDCH/AA)



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

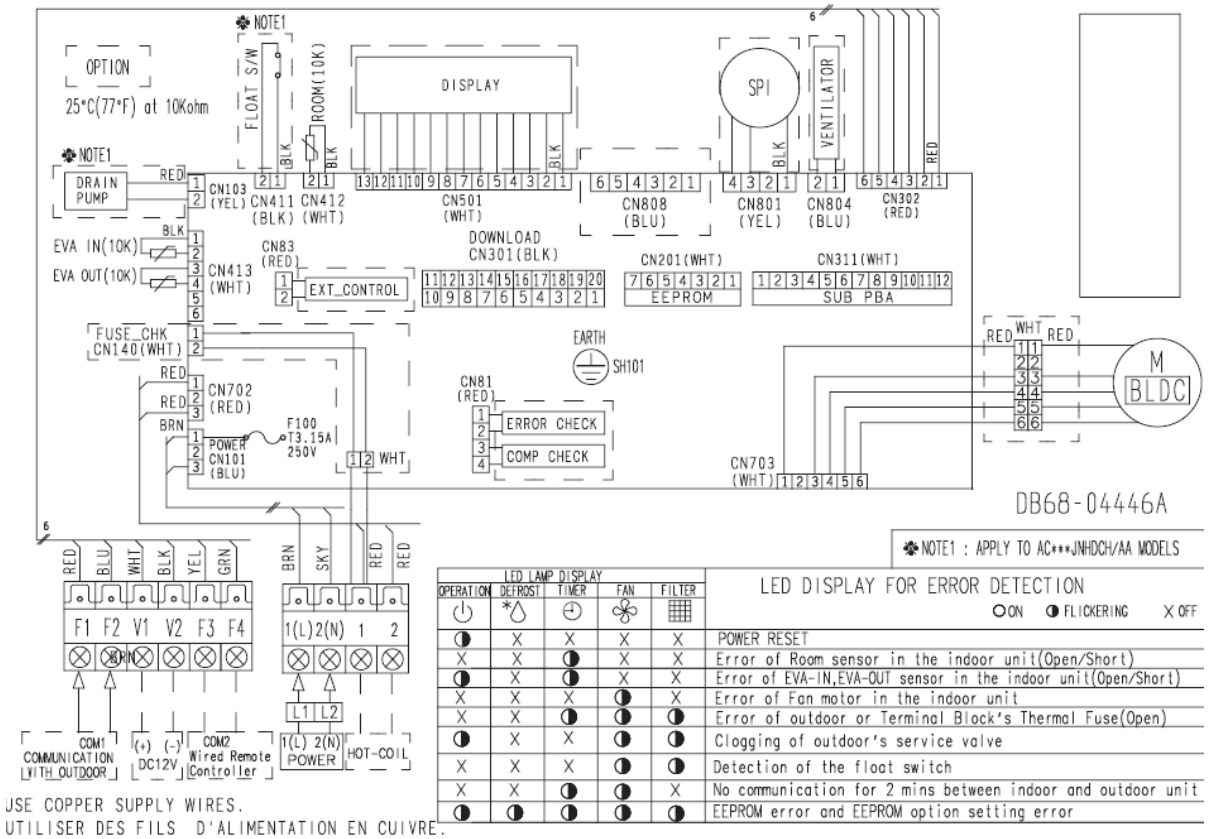
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Indoor to outdoor unit communication wire: F1/F2. Indoor unit to wired controller communication wire: F3/F4. Refer to the indoor unit installation manual for full details.
- ⏚ Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

4. Slim duct : CNH09LDB(AC009BNLDCH/AA), CNH12LDB(AC012BNLDCH/AA), CNH18LDB(AC018BNLDCH/AA)



MAIN PCB	Printed circuit board(MAIN)	M-BLDC	BLDC Motor	ROOM(10K)	Thermistor ROOM
EXT_CONTROL	EXTERNAL CONTROL	EEV	Electronic Expansion Valve	EVA IN(10K)	Thermistor EVA IN
				EVA OUT(10K)	Thermistor EVA OUT

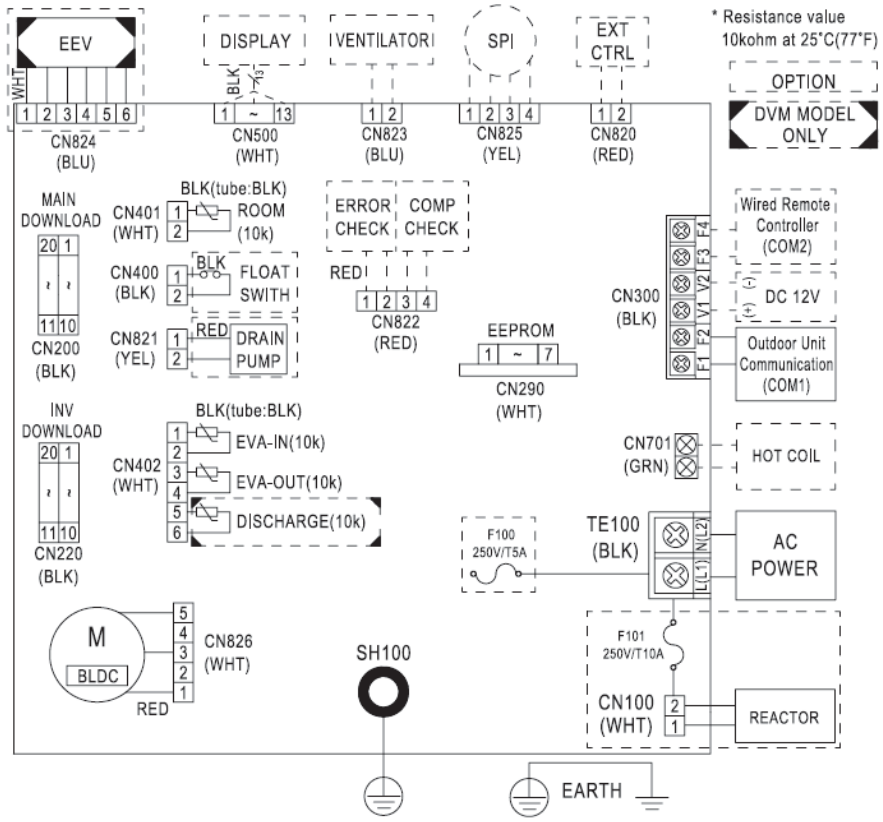
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Indoor to outdoor unit communication wire: F1/F2. Indoor unit to wired controller communication wire: F3/F4. Refer to the indoor unit installation manual for full details.
- ⏚ Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

5. Duct S : JNH09HDB (AJ009BNHDCH/AA), JNH12HDB (AJ012BNHDCH/AA)
JNH15HDB (AJ015BNHDCH/AA), JNH18HDB (AJ018BNHDCH/AA)



USE COPPER SUPPLY WIRES. UTILISER DES FILS D'ALIMENTATION EN CUIVRE

MAIN PCB	Printed circuit board(MAIN)	**M-BLDC**	BLDC Motor	**ROOM(10K)**	Thermistor ROOM
EXT_CONTROL	EXTERNAL CONTROL	**EEV**	Electronic Expansion Valve	**EVA IN(10K)**	Thermistor EVA IN
DISCHARGE(10K)	Thermistor DISCHARGE			**EVA OUT(10K)**	Thermistor EVA OUT

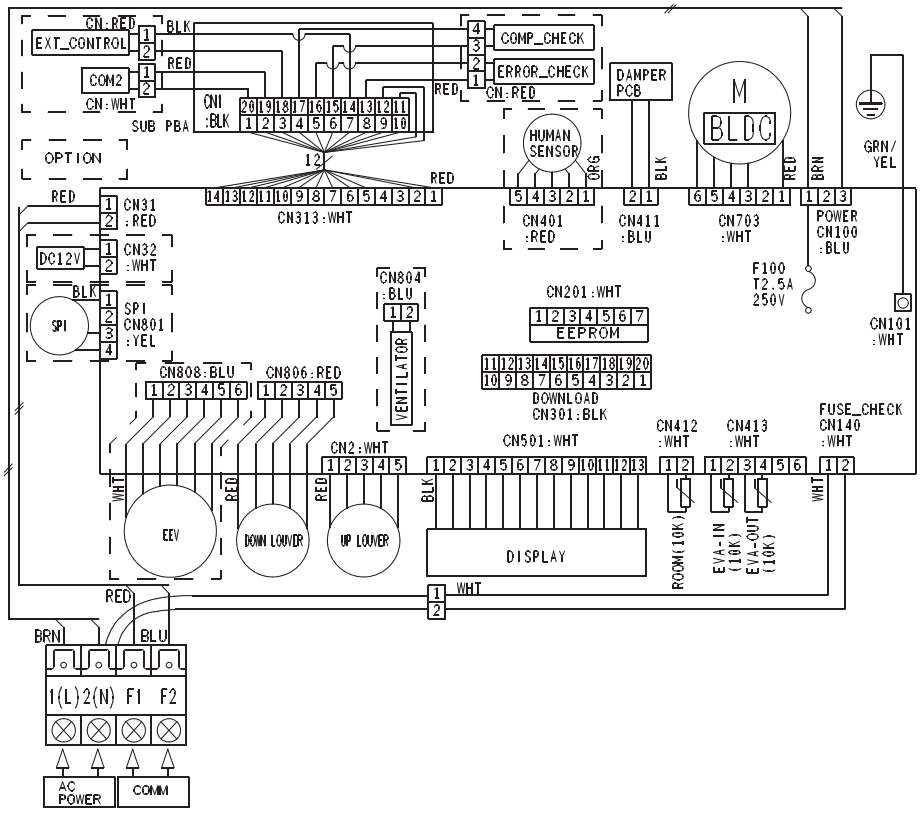
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Indoor to outdoor unit communication wire: F1/F2. Indoor unit to wired controller communication wire: F3/F4. Refer to the indoor unit installation manual for full details.
- Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

6. Console : CHN09JDB(AC009BNJDCH/AA), CHN12JDB(AC012BNJDCH/AA)
CHN15JDB(AC015BNJDCH/AA), CHN18JDB(AC018BNJDCH/AA)



MAIN PCB	Printed circuit board(MAIN)	M-BLDC	BLDC Motor	ROOM-TH(10K)	Thermistor ROOM
DAMPER PCB	Printed circuit board(SUB)	EEV	Electronic Expansion Valve(Option)	EVA IN-TH(10K)	Thermistor EVA IN
HUMIDITY SENSOR	Humidity Sensor(Option)	SPI	S-Plasma ion(Option)	EVA OUT-TH(10K)	Thermistor EVA OUT

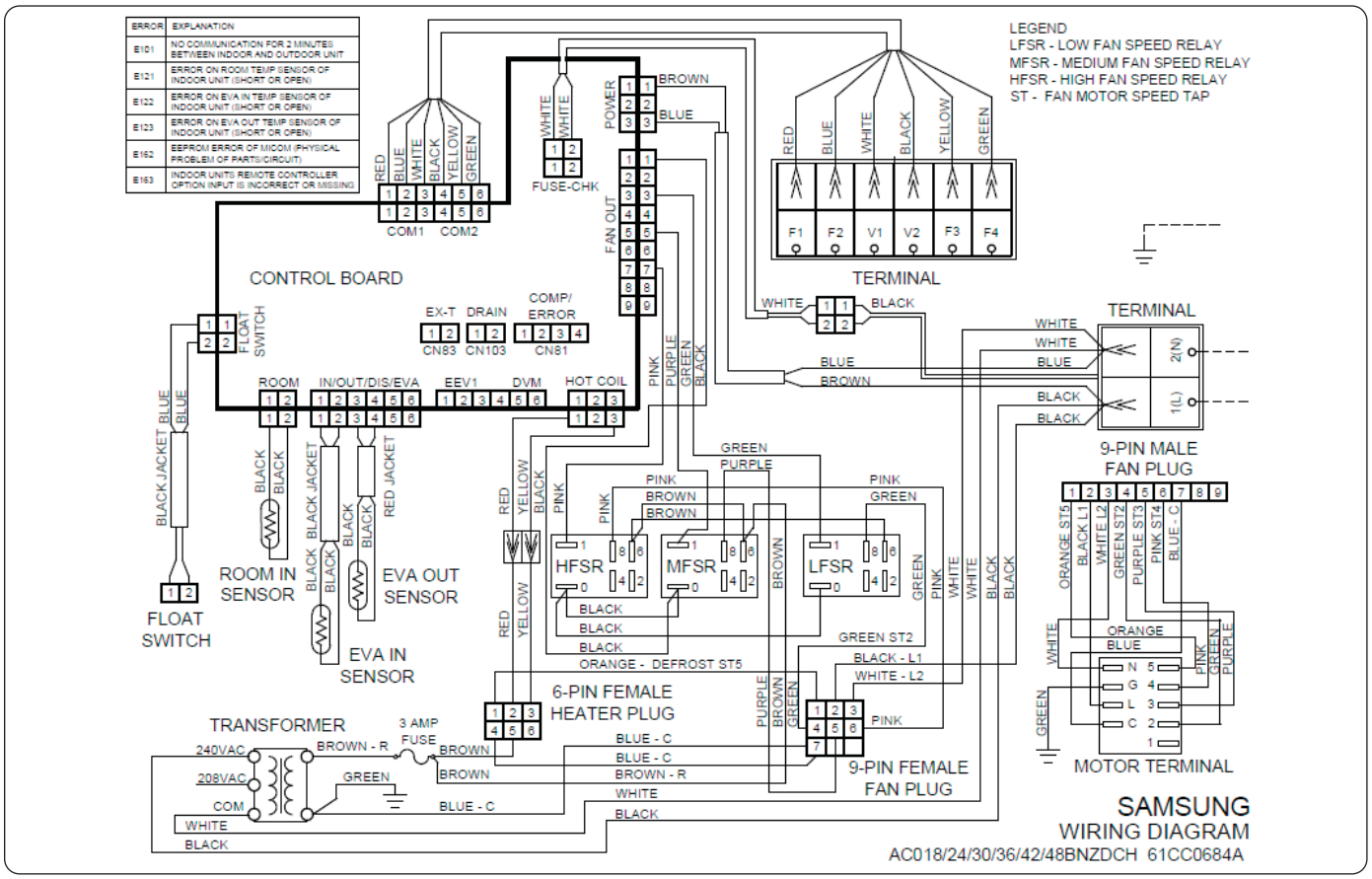
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Indoor to outdoor unit communication wire: F1/F2. Indoor unit to wired controller communication wire: F3/F4. Refer to the indoor unit installation manual for full details.
- ⏚ Protective earth(screw)

7. Electrical Wiring Diagram

7-2. Indoor units

7. Multi Position AHU : CNH12ZDB(AC012BNZDCH/AA), CNH18ZDB(AC018BNZDCH/AA) CNH24ZDB(AC024BNZDCH/AA)



CONTROL BOARD	Printed circuit board(MAIN)	**MFSR**	MEDIUM FAN SPEED RELAY	**EVA-IN(10K)**	Thermistor EVA IN
EX-T	EXTERNAL CONTROL	**HFSR**	HIGH FAN SPEED RELAY	**EVA-OUT(10K)**	Thermistor EVA OUT
LFSR	LOW FAN SPEED RELAY	**ROOM(10K)**	Thermistor ROOM	**DISCHARGE(10K)**	Thermistor DISCHARGE

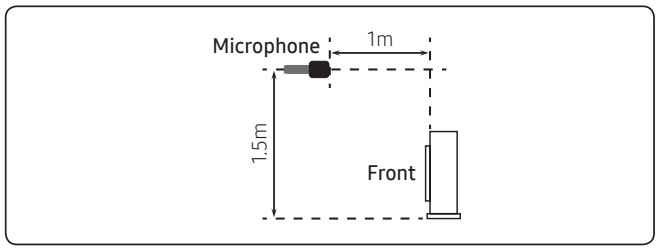
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Indoor to outdoor unit communication wire: F1/F2. Indoor unit to wired controller communication wire: F3/F4. Refer to the indoor unit installation manual for full details.
- ⏚ Protective earth(screw)

8. Sound Data

8-1. Outdoor unit

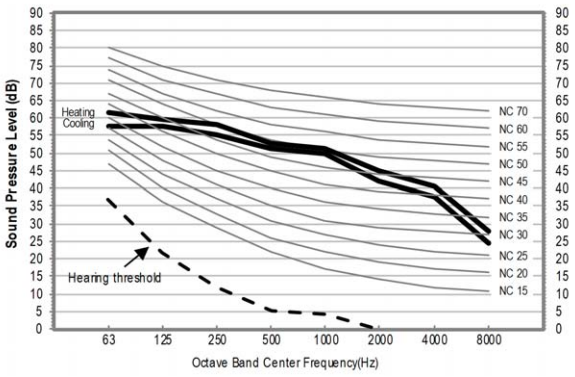
Sound Pressure level



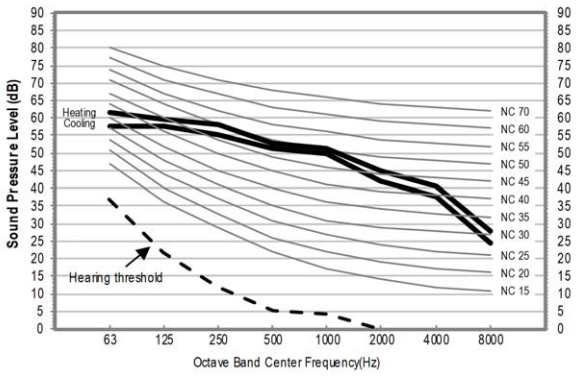
Model	Cooling	Heating
JXH20S3B (AJ020BXS3CH/AA)	54	58
JXH24S4B (AJ024BXS4CH/AA)	54	58
JXH30S4B (AJ030BXS4CH/AA)	54	58
JXH36S4B (AJ036BXS4CH/AA)	52	55

- NC Curve

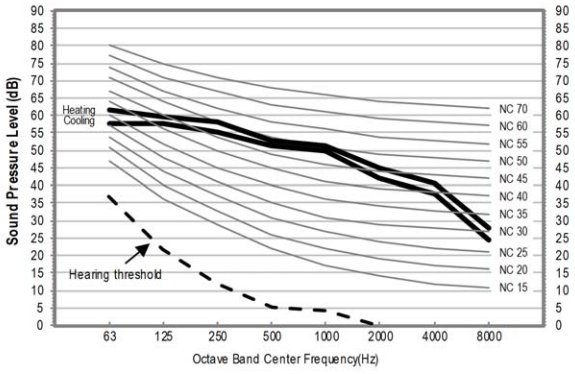
1) JXH20S3B (AJ020BXS3CH/AA)



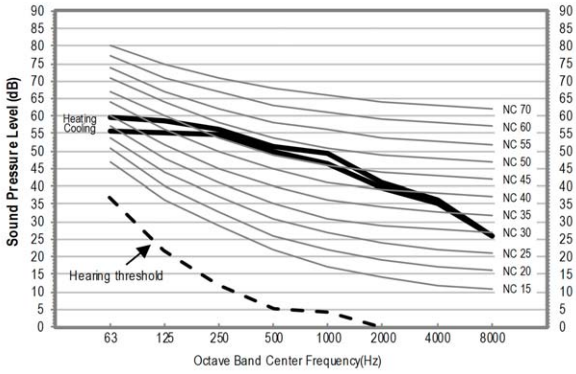
2) JXH24S4B (AJ024BXS4CH/AA)



3) JXH30S4B (AJ030BXS4CH/AA)



4) JXH36S4B (AJ036BXS4CH/AA)



NOTE

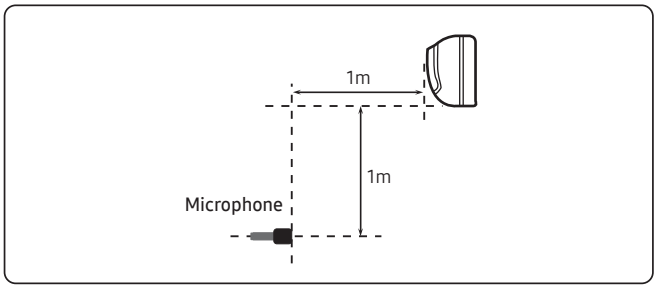
- Sound Pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

8. Sound Data

8-2. Indoor units

Sound Pressure level

1. WindFree™ 2.0

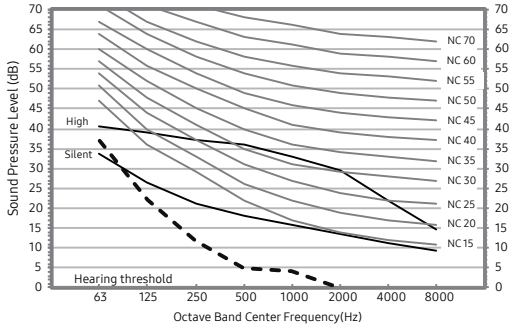


Unit : dB(A)

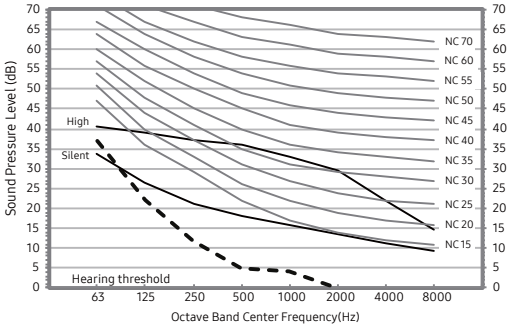
Model	High	Silent
RNS07ABT (AR07TSFABWKNCV)	38	23
RNS09ABT (AR09TSFABWKNCV)	38	23
RNS12ABT (AR12TSFABWKNCV)	39	23
RNS15ABT (AR15TSFABWKNCV)	40	23
RNS18ABT (AR18TSFABWKNCV)	42	25
RNS24ABT (AR24TSFABWKNCV)	47	28

- NC Curve

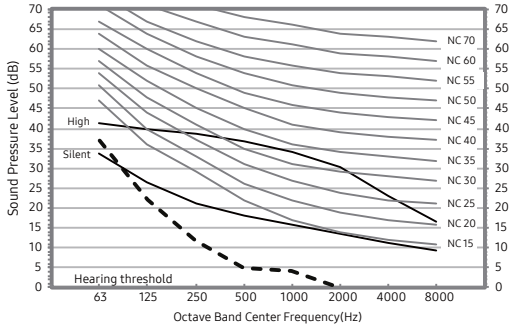
1) RNS07ABT (AR07TSFABWKNCV)



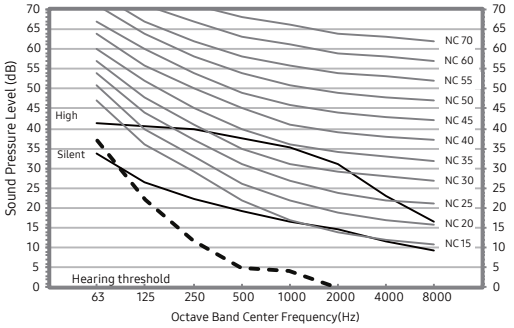
2) RNS09ABT (AR09TSFABWKNCV)



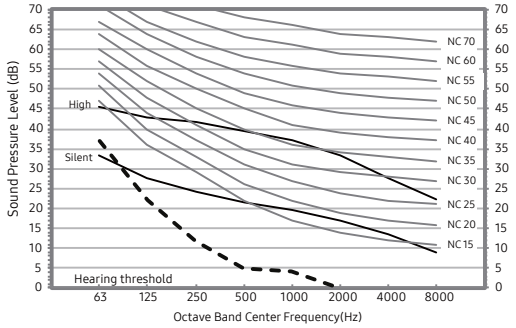
3) RNS12ABT (AR12TSFABWKNCV)



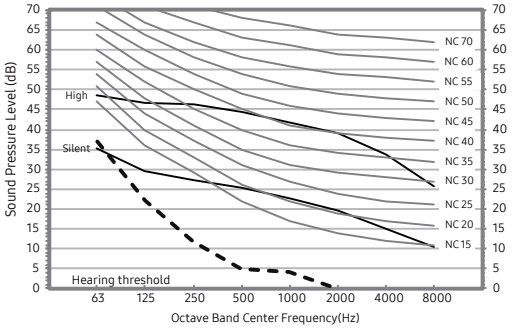
4) RNS15ABT (AR15TSFABWKNCV)



5) RNS18ABT (AR18TSFABWKNCV)



6) RNS24ABT (AR24TSFABWKNCV)

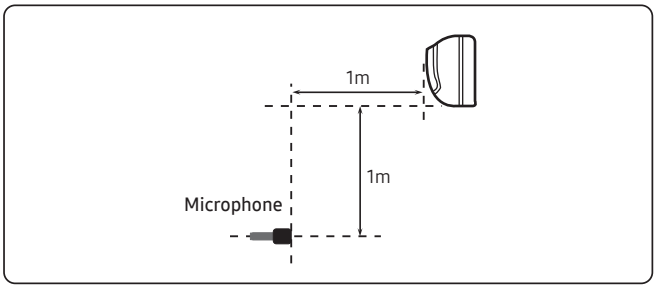


8. Sound Data

8-2. Indoor units

Sound Pressure level

2. WindFree 2.0e

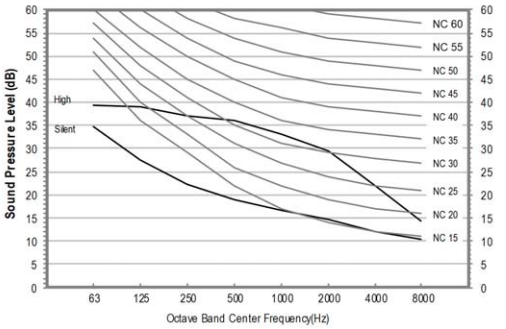


Unit : dB(A)

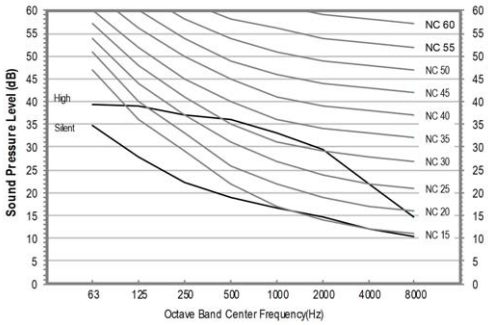
Model	High	Silent
RNS07CMB (AR07BSFCMWKNCV)	37	23
RNS09CMB (AR09BSFCMWKNCV)	37	23
RNS12CMB (AR12BSFCMWKNCV)	38	23
RNS15CMB (AR15BSFCMWKNCV)	41	25
RNS18CMB (AR18BSFCMWKNCV)	41	28
RNS24CMB (AR24BSFCMWKNCV)	45	30

- NC Curve

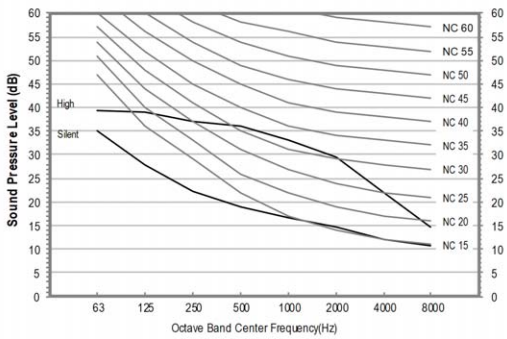
1) RNS07CMB (AR07BSFCMWKNCV)



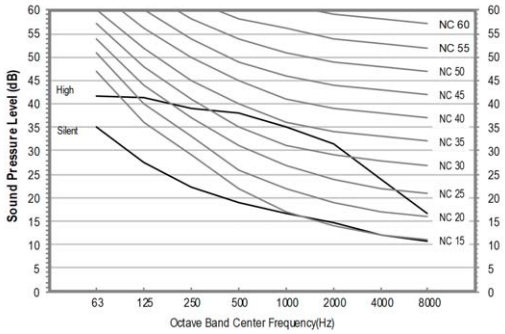
2) RNS09CMB (AR09BSFCMWKNCV)



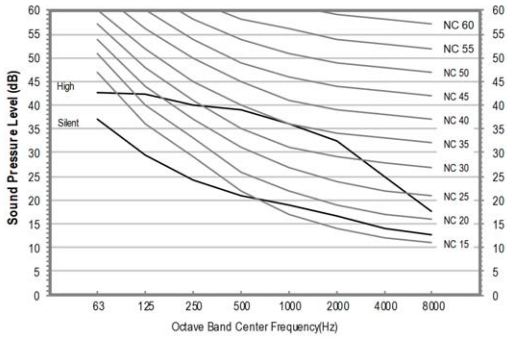
3) RNS12CMB (AR12BSFCMWKNCV)



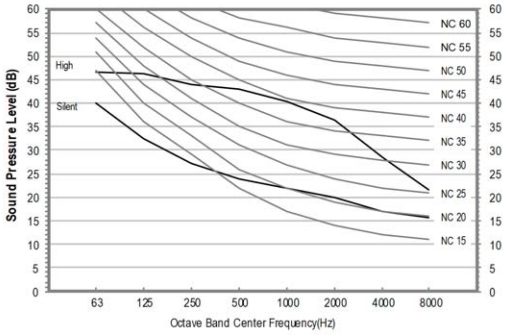
4) RNS15CMB (AR15BSFCMWKNCV)



5) RNS18YBT (AR18TSFYBWKNCV)



6) RNS24YBT (AR24TSFYBWKNCV)

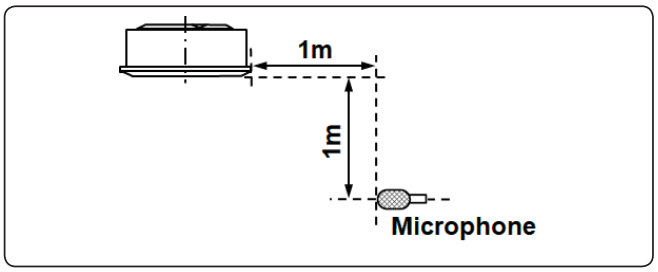


8. Sound Data

8-2. Indoor units

Sound Pressure level

3. (WindFree) 1Way Cassette

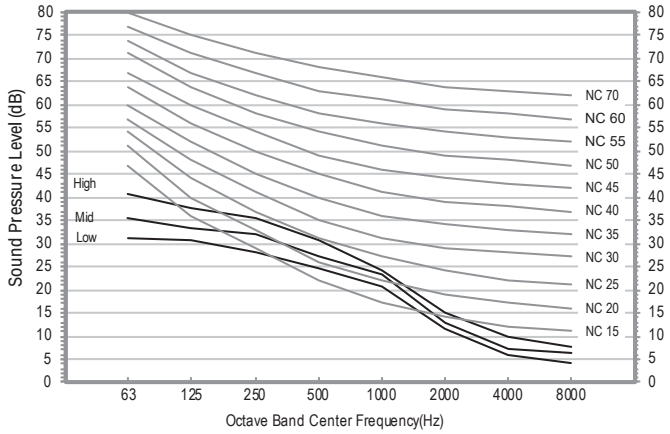


Unit: dB(A)

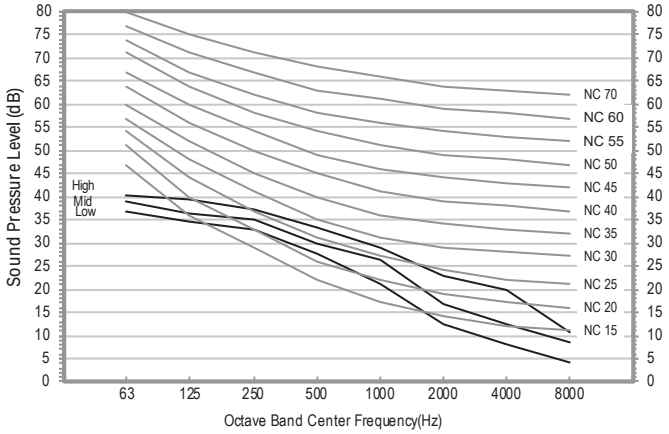
Model	High	Mid	Low
CNH091DB (AC009BN1DCH/AA)	32	29	26
CNH121DB (AC012BN1DCH/AA)	35	32	29

- NC Curve

1) CNH091DB (AC009BN1DCH/AA)



2) CNH121DB (AC012BN1DCH/AA)



NOTE

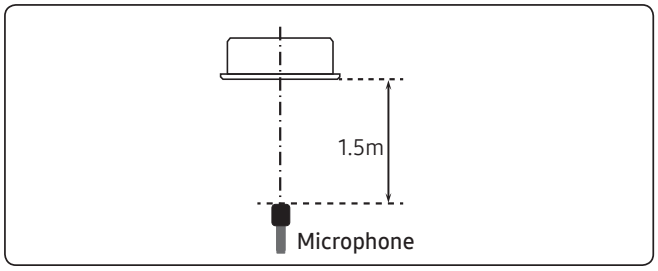
- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A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

8. Sound Data

8-2. Indoor units

Sound Pressure level

4. (WindFree) 4Way Cassette (600x600)

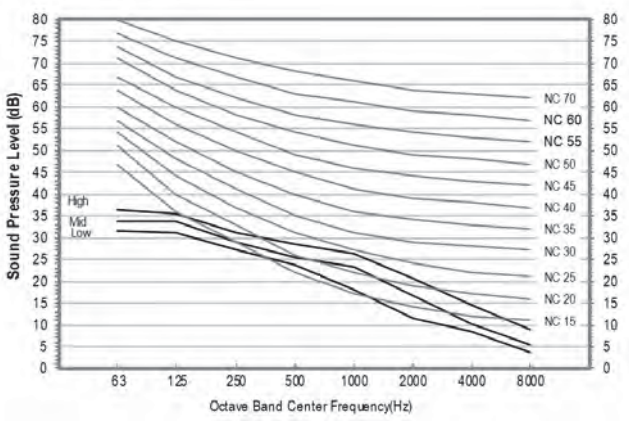


Unit: dB(A)

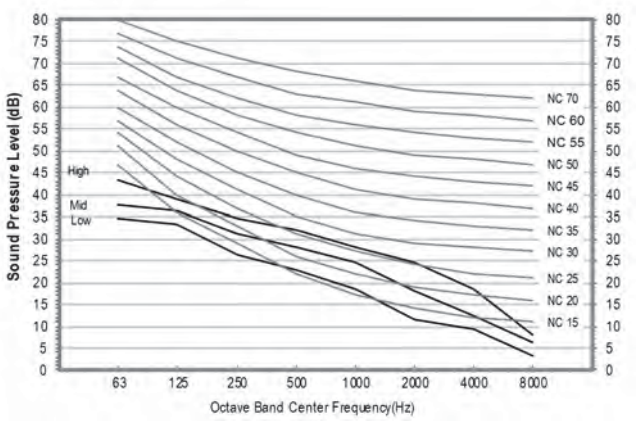
Model	High	Mid	Low
CNH09NDB(AC009BNNDCH/AA)	31	28	25
CNH12NDB (AC012BNNDCH/AA)	34	30	25
CNH18NDB (AC018BNNDCH/AA)	39	34	29

- NC Curve

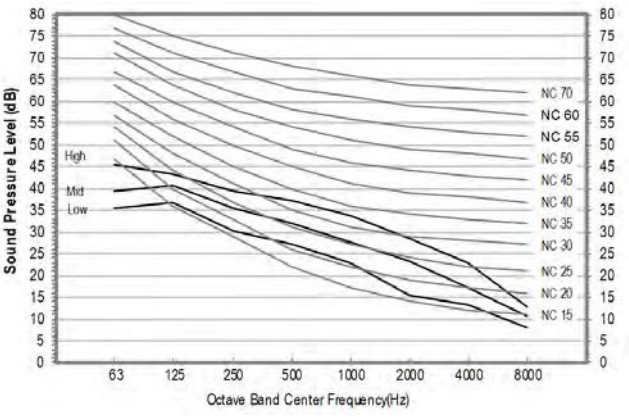
1) CNH09NDB (AC009BNNDCH/AA)



2) CNH12NDB (AC012BNNDCH/AA)



3) CNH18NDB (AC018BNNDCH/AA)



NOTE

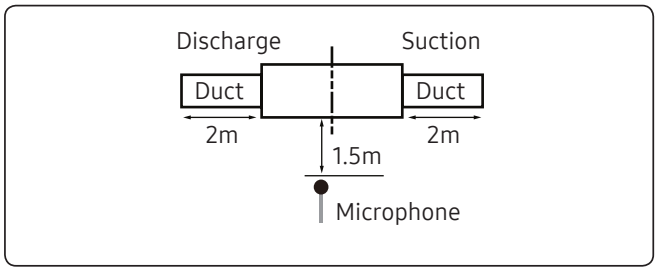
- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A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

8. Sound Data

8-2. Indoor units

Sound Pressure level

5. Slim duct

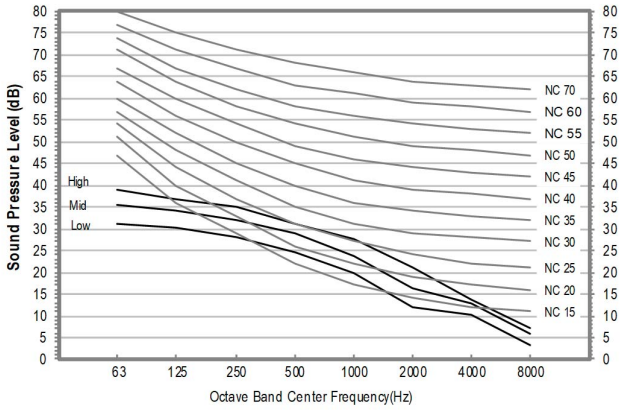


Unit: dB(A)

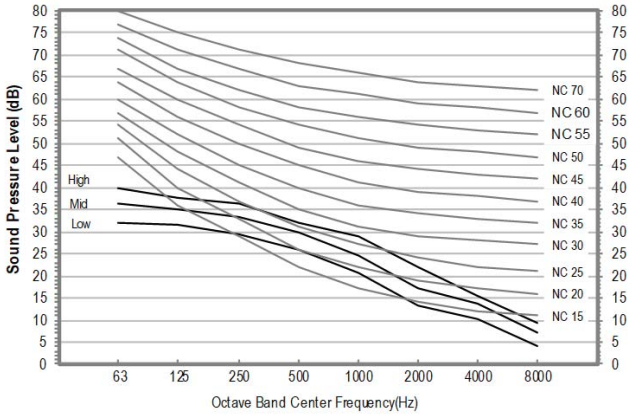
Model	High	Mid	Low
CNH09LDB (AC009BNLDCH/AA)	33	30	26
CNH12LDB (AC012BNLDCH/AA)	34	31	27
CNH18LDB (AC018BNLDCH/AA)	35	32	28

- NC Curve

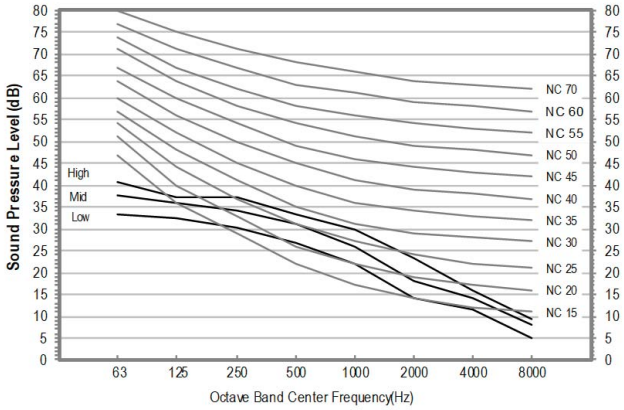
1) CNH09LDB (AC009BNLDCH/AA)



2) CNH12LDB (AC012BNLDCH/AA)



3) CNH18LDB (AC018BNLDCH/AA)



NOTE

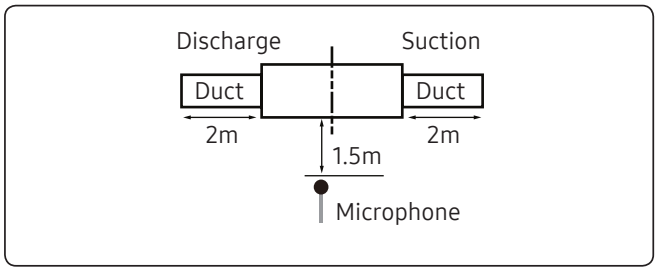
- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A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

8. Sound Data

8-2. Indoor units

Sound Pressure level

6. Duct S

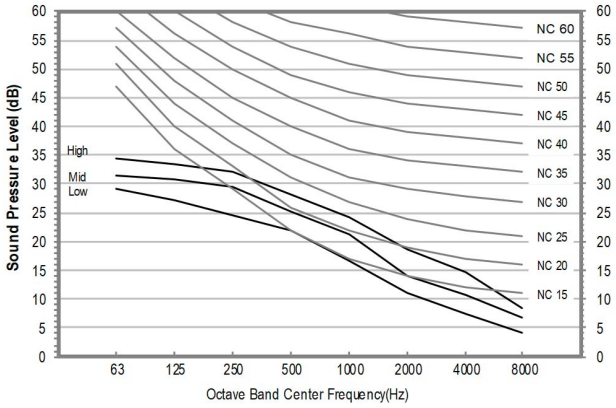


Unit: dB(A)

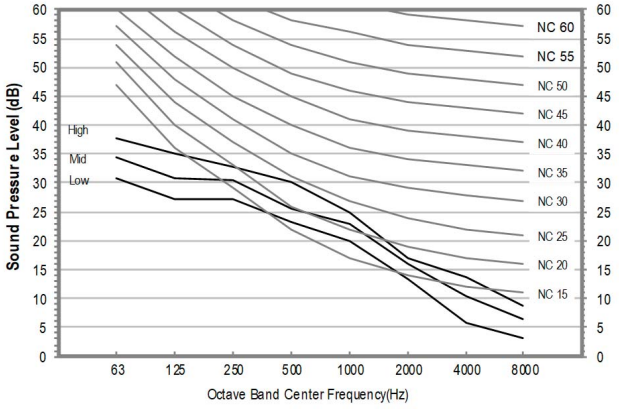
Model	High	Mid	Low
JNH09HDB (AJ009BNHDCH/AA)	30	27	23
JNH12HDB (AJ012BNHDCH/AA)	31	28	25
JNH15HDB (AJ015BNHDCH/AA)	33	29	25
JNH18HDB (AJ018BNHDCH/AA)	34	30	26

- NC Curve

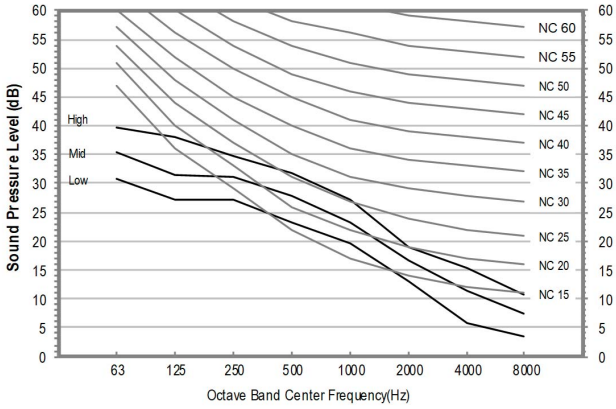
1) JNH09HDB (AJ009BNHDCH/AA)



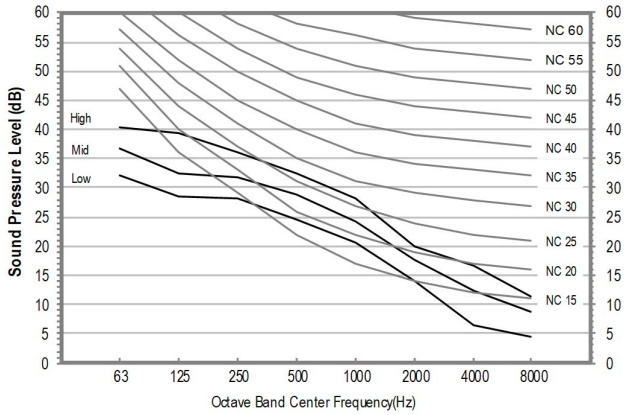
2) JNH12HDB (AJ012BNHDCH/AA)



3) JNH15HDB (AJ015BNHDCH/AA)



4) JNH18HDB (AJ018BNHDCH/AA)



NOTE

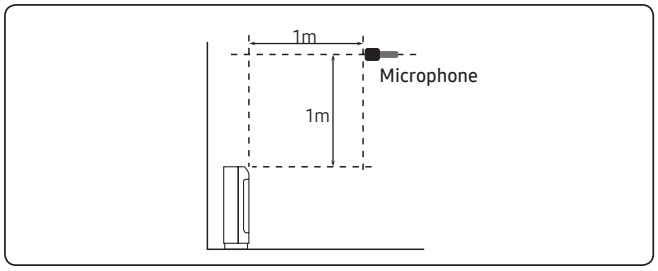
- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A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

8. Sound Data

8-2. Indoor units

Sound Pressure level

7. Console

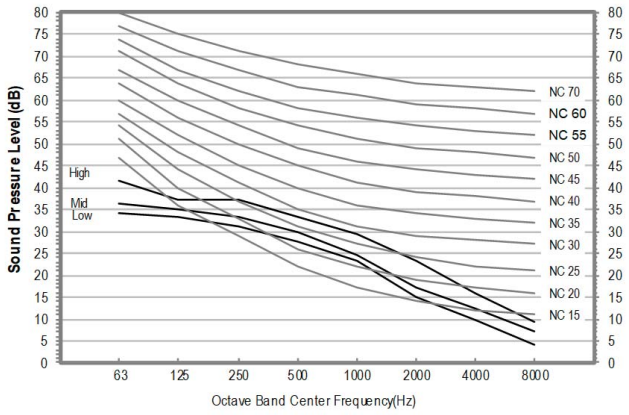


Unit: dB(A)

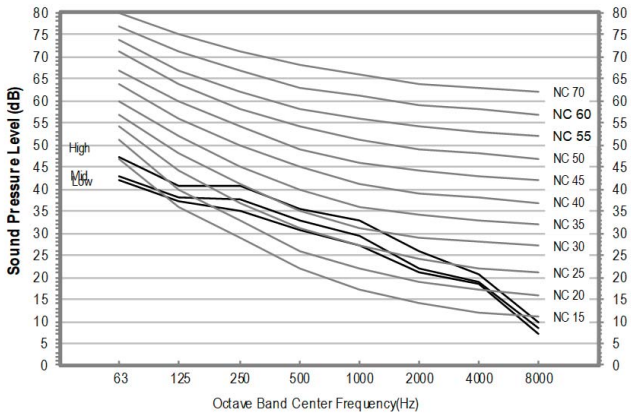
Model	High	Mid	Low
CNH09JDB (AC009BNJDCH/AA)	35	31	29
CNH12JDB (AC012BNJDCH/AA)	38	35	33
CNH15JDB (AC015BNJDCH/AA)	42	39	35
CNH18JDB (AC018BNJDCH/AA)	43	39	35

- NC Curve

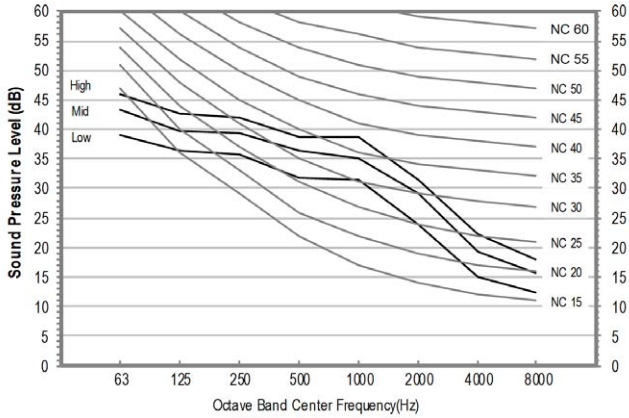
1) CNH09JDB (AC009BNJDCH/AA)



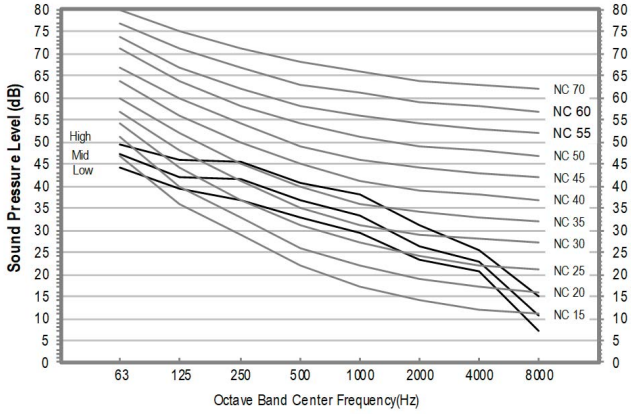
2) CNH12JDB (AC012BNJDCH/AA)



3) CNH15JDB (AC015BNJDCH/AA)



4) CNH18JDB (AC018BNJDCH/AA)



NOTE

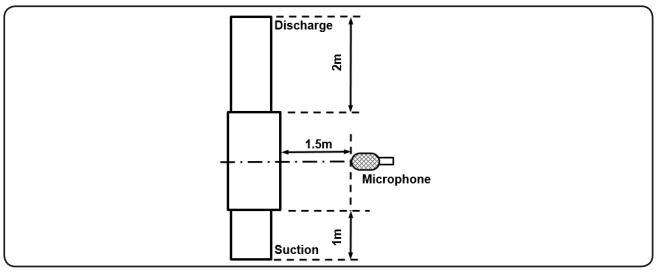
- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A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

8. Sound Data

8-2. Indoor units

Sound Pressure level

8. Multi Position AHU

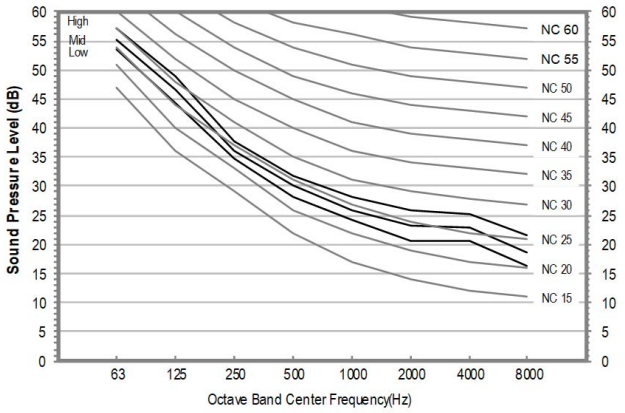


Unit: dB(A)

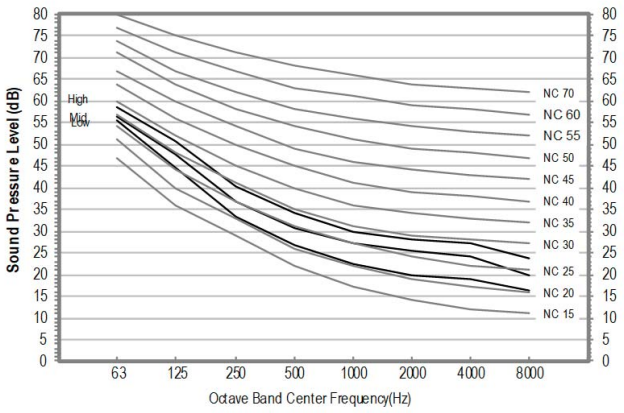
Model	High	Mid	Low
CNH12ZDB (AC012BNZDCH/AA)	38	36	34
CNH18ZDB (AC018BNZDCH/AA)	40	37	34
CNH24ZDB (AC024BNZDCH/AA)	41	38	35

- NC Curve

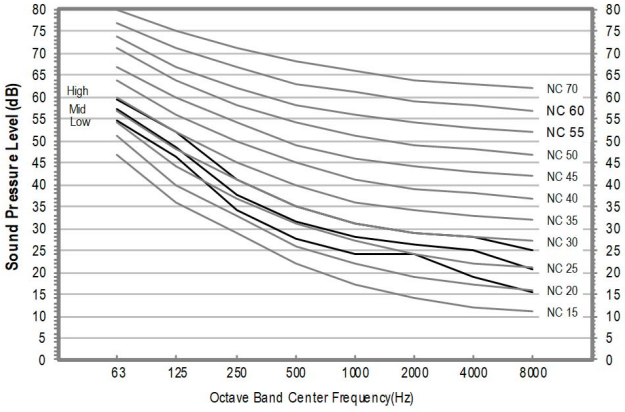
1) CNH12ZDB (AC012BNZDCH/AA)



2) CNH18ZDB (AC018BNZDCH/AA)



3) CNH24ZDB (AC024BNZDCH/AA)



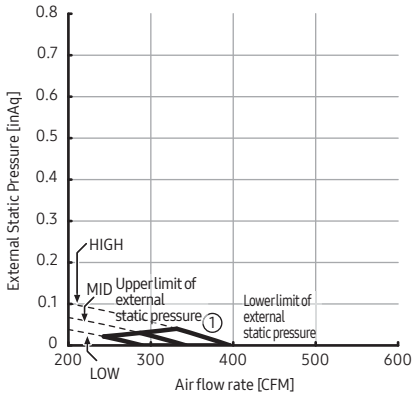
NOTE

- Specifications may be subject to change without prior notice.
  - 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

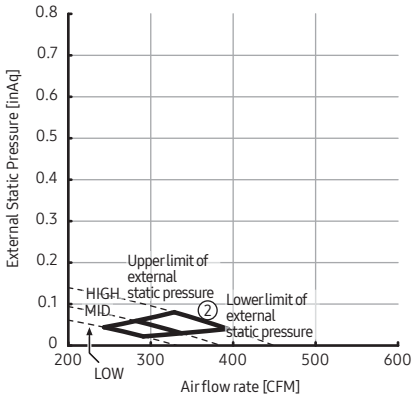
9. Fan Characteristics (PQ curve)

9-1. JNH09LDB(AJ009BNLDCH/AA)

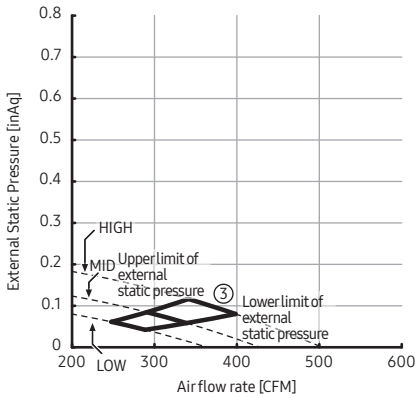
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	0103FC-1C541B-271A1D-370000



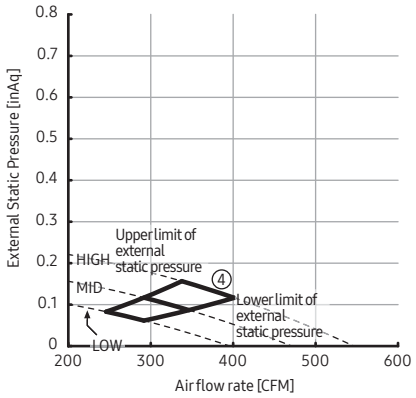
②	External Static Pressure(inAq)	Option Code
	0.04 < SP≤0.08 (Default)	0103FC-1C546B-271A1D-370000



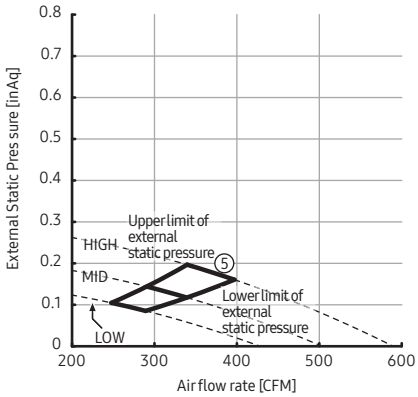
③	External Static Pressure(inAq)	Option Code
	0.08 < SP≤0.12	0103FC-1C54BE-271A1D-370000



④	External Static Pressure(inAq)	Option Code
	0.12 < SP≤0.16	0103FC-1C55F2-271A1D-370000



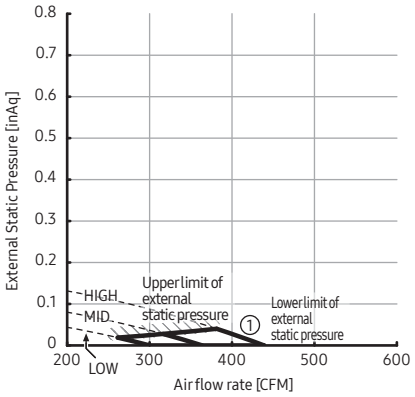
⑤	External Static Pressure(inAq)	Option Code
	0.16 < SP≤0.2	0103FC-1C5935-271A1D-370000



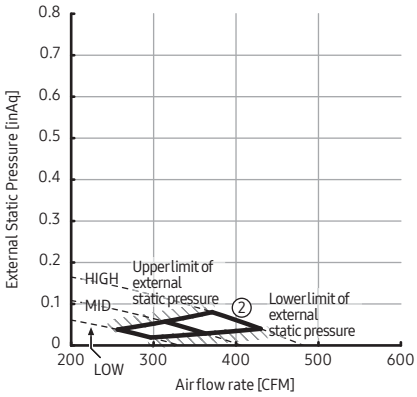
9. Fan Characteristics (PQ curve)

9-2. JNH12LDB (AJ012BNLDCH/AA)

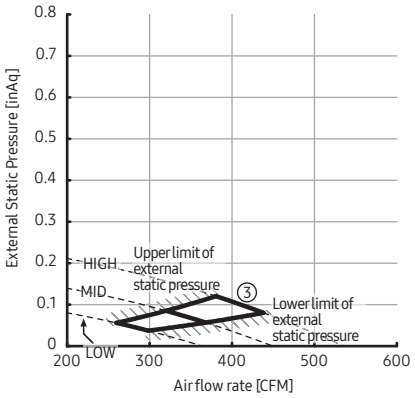
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	0103FC-1C5458-272326-370000



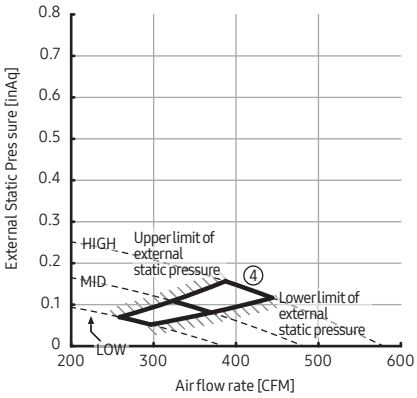
②	External Static Pressure(inAq)	Option Code
	0.04 < SP≤0.08(Default)	0103FC-1C549B-272326-370000



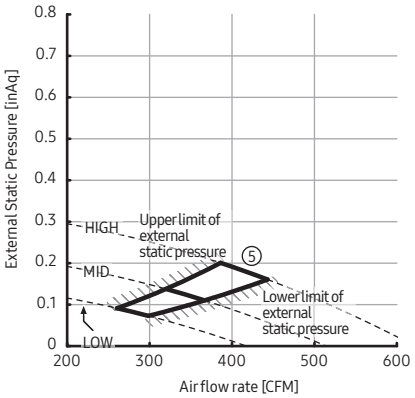
③	External Static Pressure(inAq)	Option Code
	0.08 < SP≤0.12	0103FC-1C54EE-272326-370000



④	External Static Pressure(inAq)	Option Code
	0.12 < SP≤0.16	0103FC-1C5920-272326-370000



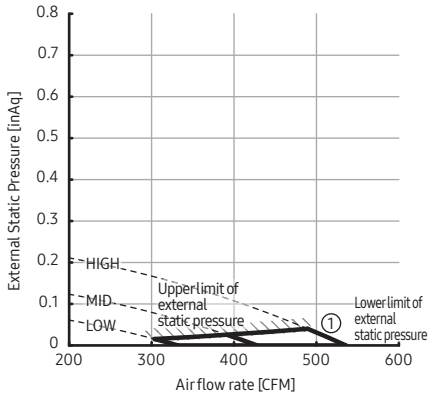
⑤	External Static Pressure(inAq)	Option Code
	0.16 < SP≤0.2	0103FC-1C5964-272326-370000



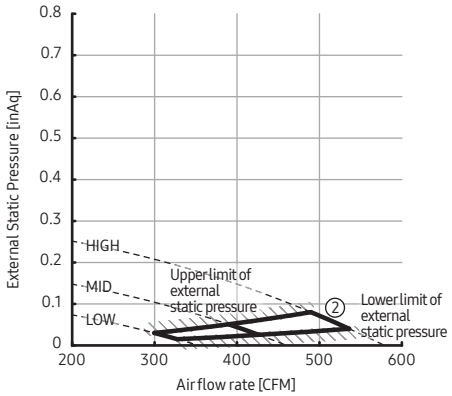
9. Fan Characteristics (PQ curve)

9-3. JNH18LDB(AJ018BNLDCH/AA)

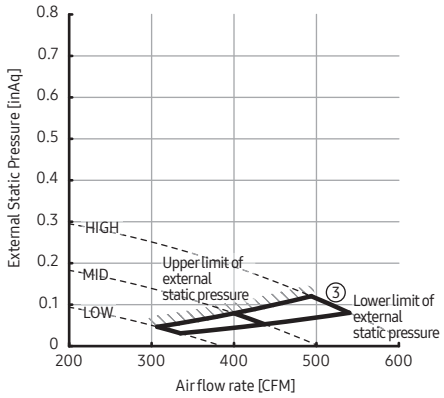
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	0103FC-1C54EB-273538-370000



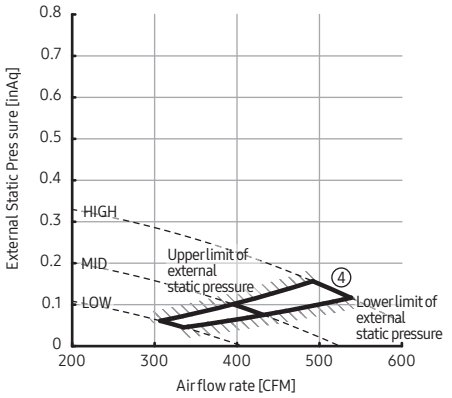
②	External Static Pressure(inAq)	Option Code
	0.04 < SP≤0.08(Default)	0103FC-1C582D-273538-370000



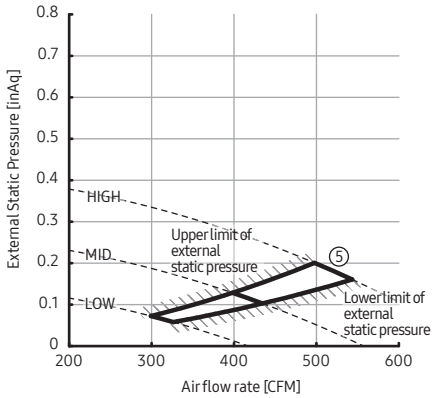
③	External Static Pressure(inAq)	Option Code
	0.08 < SP≤0.12	0103FC-1C5960-273538-370000



④	External Static Pressure(inAq)	Option Code
	0.12 < SP≤0.16	0103FC-1C5992-273538-370000



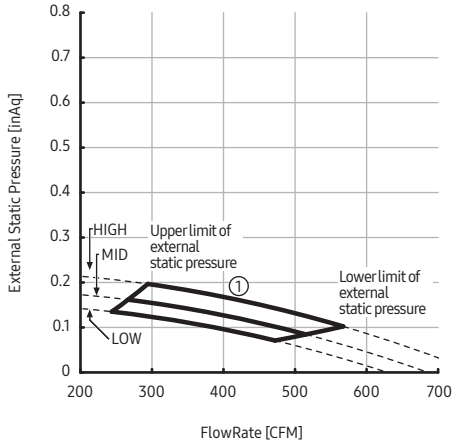
⑤	External Static Pressure(inAq)	Option Code
	0.16 < SP≤0.2	0103FC-1C59D3-273538-370000



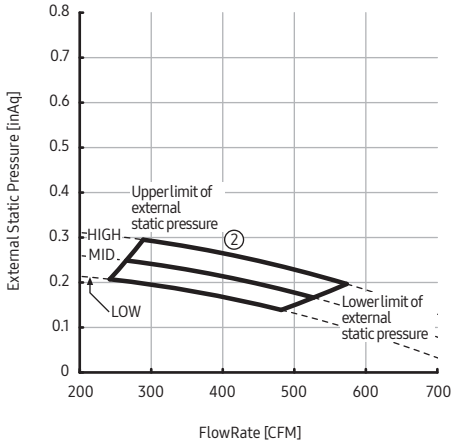
9. Fan Characteristics (PQ curve)

9-4. JNH09HDB(AJ009BNHDCH/AA)

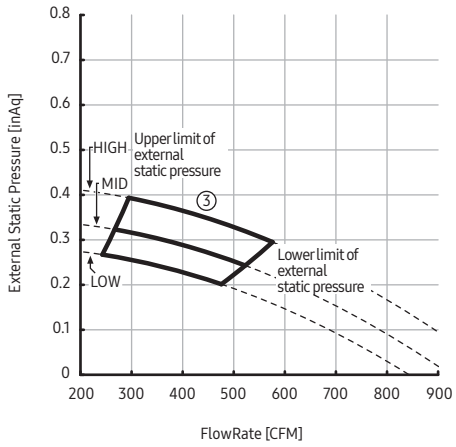
①	External Static Pressure(inAq)	Option Code
	0.1 ≤ P ≤ 0.2	01B3FC-1C50D3-271A23-370000



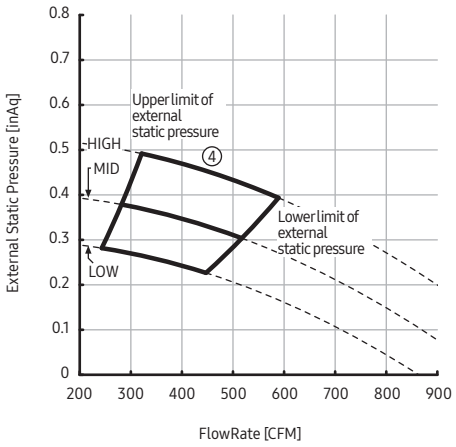
②	External Static Pressure(inAq)	Option Code
	0.2 ≤ P ≤ 0.3	01B3FC-1C5466-271A23-370000



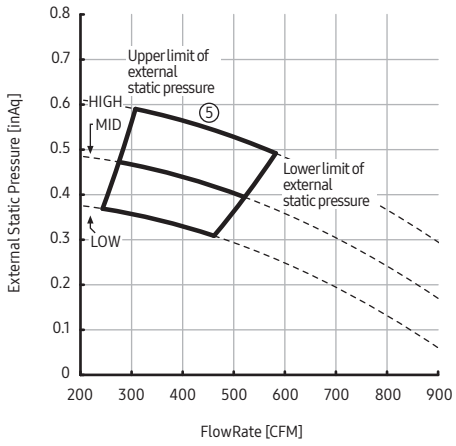
③	External Static Pressure(inAq)	Option Code
	0.3 < P ≤ 0.4	01B3FC-1C54D9-271A23-370000



④	External Static Pressure(inAq)	Option Code
	0.4 < P ≤ 0.5	01B3FC-1C582C-271A23-370000



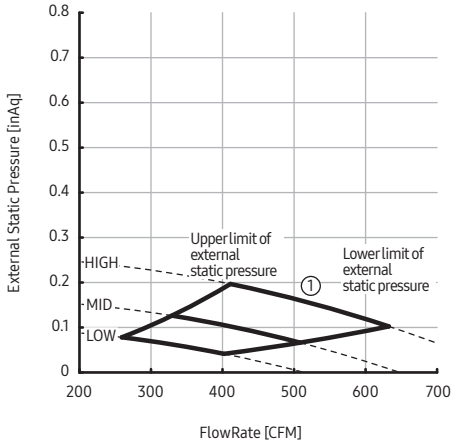
⑤	External Static Pressure(inAq)	Option Code
	0.5 < SP ≤ 0.6	001B3FC-1C5970-271A23-370000



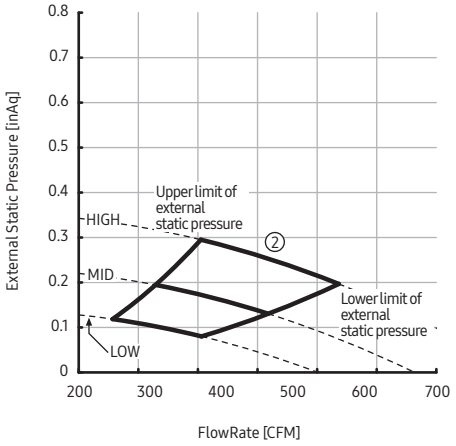
9. Fan Characteristics (PQ curve)

9-5. JNH12HDB(AJ012BNHDCH/AA)

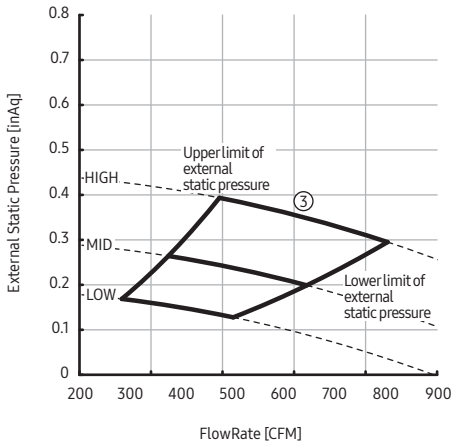
①	External Static Pressure(inAq)	Option Code
	0.1 ≤ P ≤ 0.2	01B3FC-1C5404-272328-370000



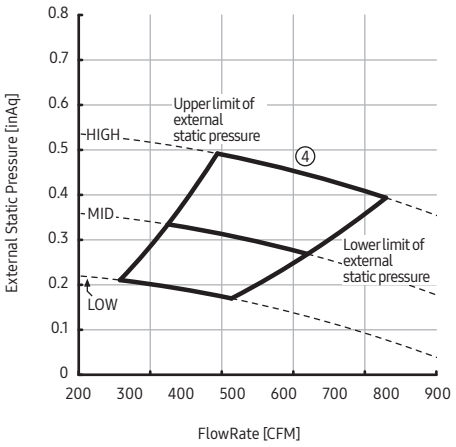
②	External Static Pressure(inAq)	Option Code
	0.2 ≤ P ≤ 0.3	01B3FC-1C5477-272328-370000



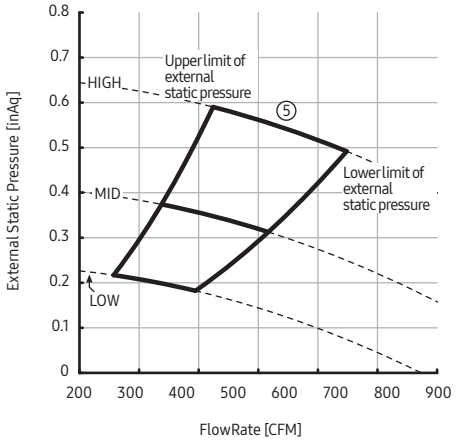
③	External Static Pressure(inAq)	Option Code
	0.3 < P ≤ 0.4	01B3FC-1C54EA-272328-370000



④	External Static Pressure(inAq)	Option Code
	0.4 < P ≤ 0.5	01B3FC-1C583D-272328-370000



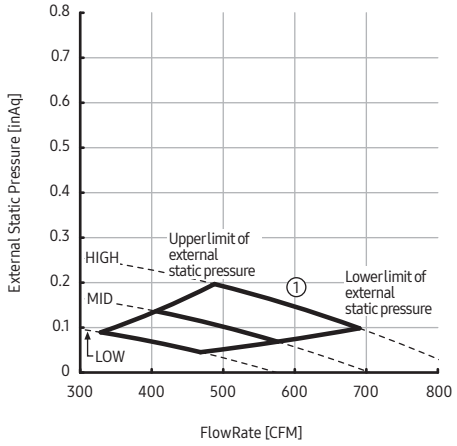
⑤	External Static Pressure(inAq)	Option Code
	0.5 < SP ≤ 0.6	01B3FC-1C5981-272328-370000



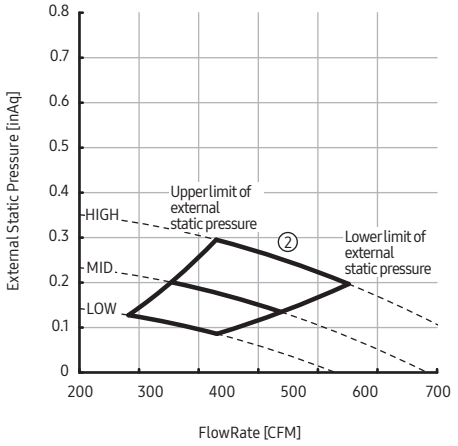
9. Fan Characteristics (PQ curve)

9-6. JNH15HDB(AJ015BNHDCH/AA)

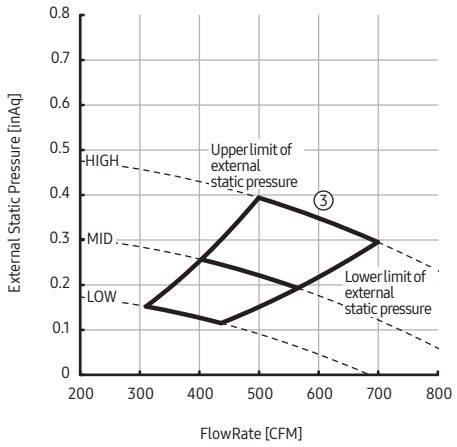
①	External Static Pressure(inAq)	Option Code
	0.1 ≤ P ≤ 0.2	01B3FC-1C5435-272C34-370000



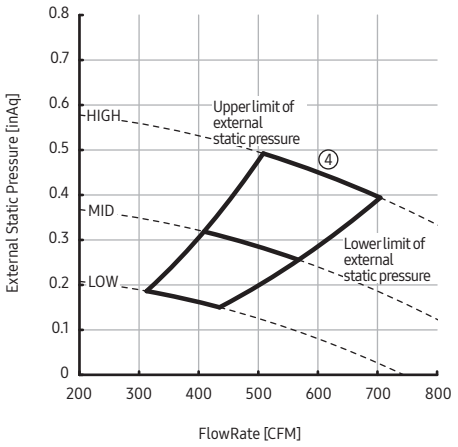
②	External Static Pressure(inAq)	Option Code
	0.2 ≤ P ≤ 0.3	01B3FC-1C5488-272C34-370000



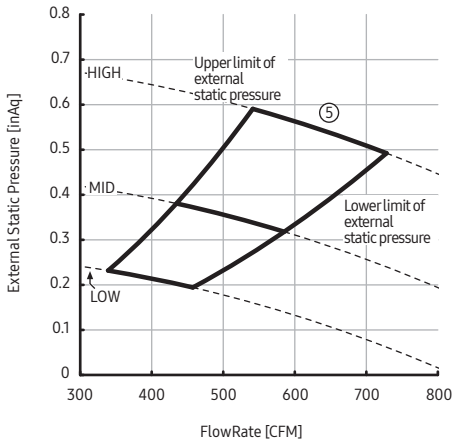
③	External Static Pressure(inAq)	Option Code
	0.3 < P ≤ 0.4	01B3FC-1C54FB-272C34-370000



④	External Static Pressure(inAq)	Option Code
	0.4 < P ≤ 0.5	01B3FC-1C584E-272C34-370000



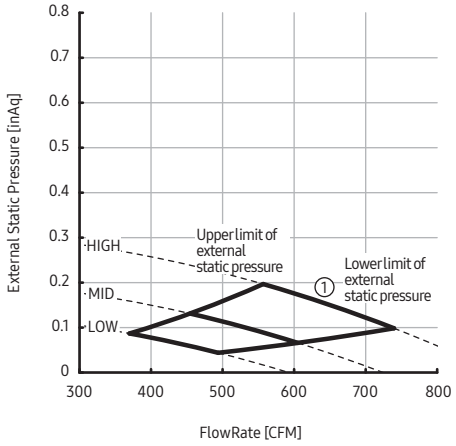
⑤	External Static Pressure(inAq)	Option Code
	0.5 < SP ≤ 0.6	01B3FC-1C5992-272C34-370000



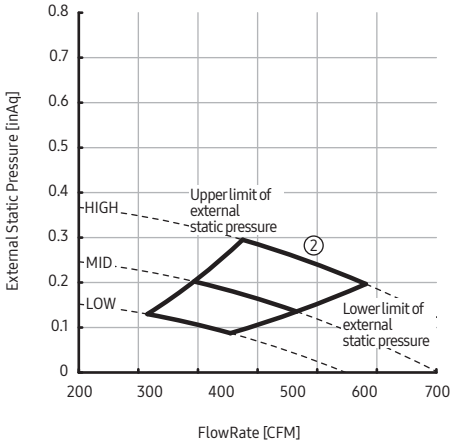
9. Fan Characteristics (PQ curve)

9-7. JNH18HDB(AJ018BNHDCH/AA)

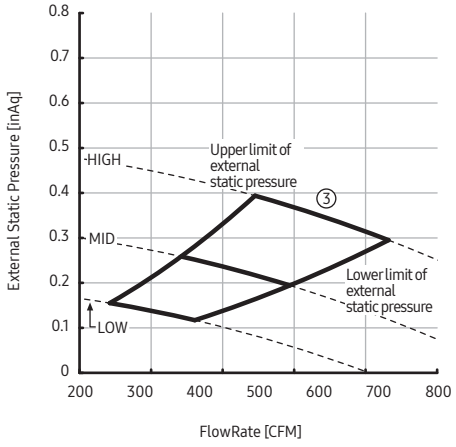
①	External Static Pressure(inAq)	Option Code
	0.1 ≤ P ≤ 0.2	01B3FC-1C5456-27343C-370000



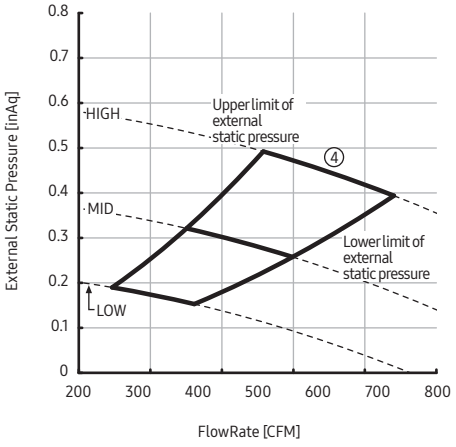
②	External Static Pressure(inAq)	Option Code
	0.2 ≤ P ≤ 0.3	01B3FC-1C5499-27343C-370000



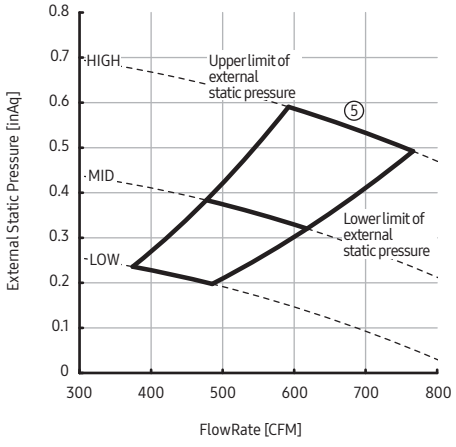
③	External Static Pressure(inAq)	Option Code
	0.3 < P ≤ 0.4	01B3FC-1C580C-27343C-370000



④	External Static Pressure(inAq)	Option Code
	0.4 < P ≤ 0.5	01B3FC-1C585F-27343C-370000



⑤	External Static Pressure(inAq)	Option Code
	0.5 < SP ≤ 0.6	01B3FC-1C59A3-27343C-370000

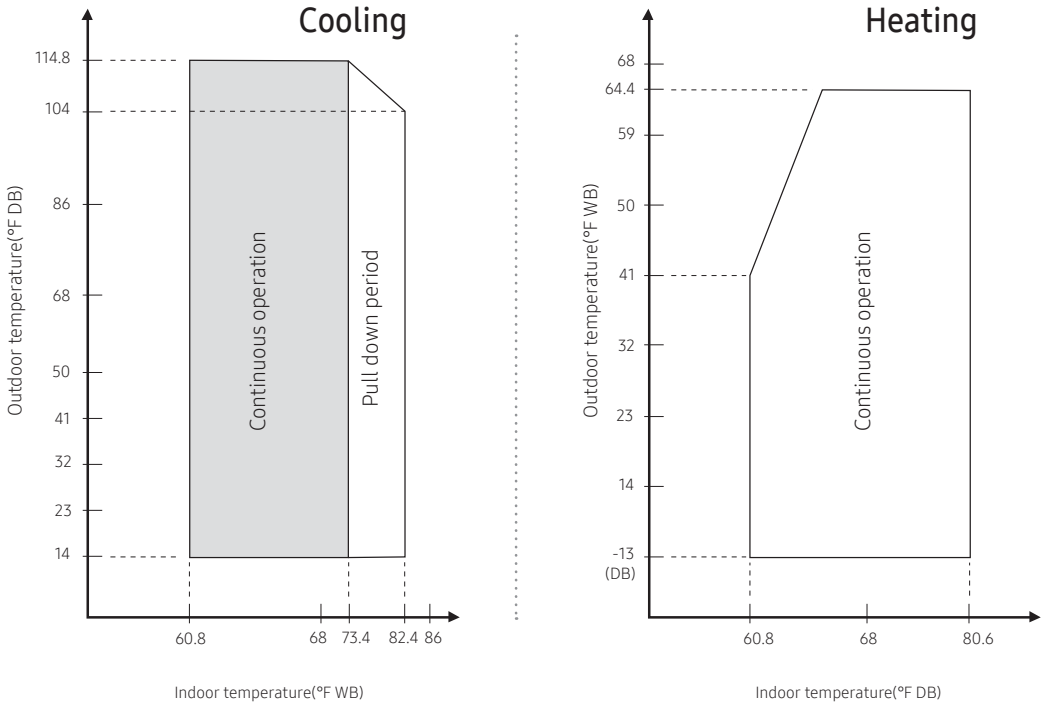


9. Fan Characteristics (PQ curve)

NOTE

- Adjust option code according to the actual installation condition (external static pressure).
- The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

10. Operation Range

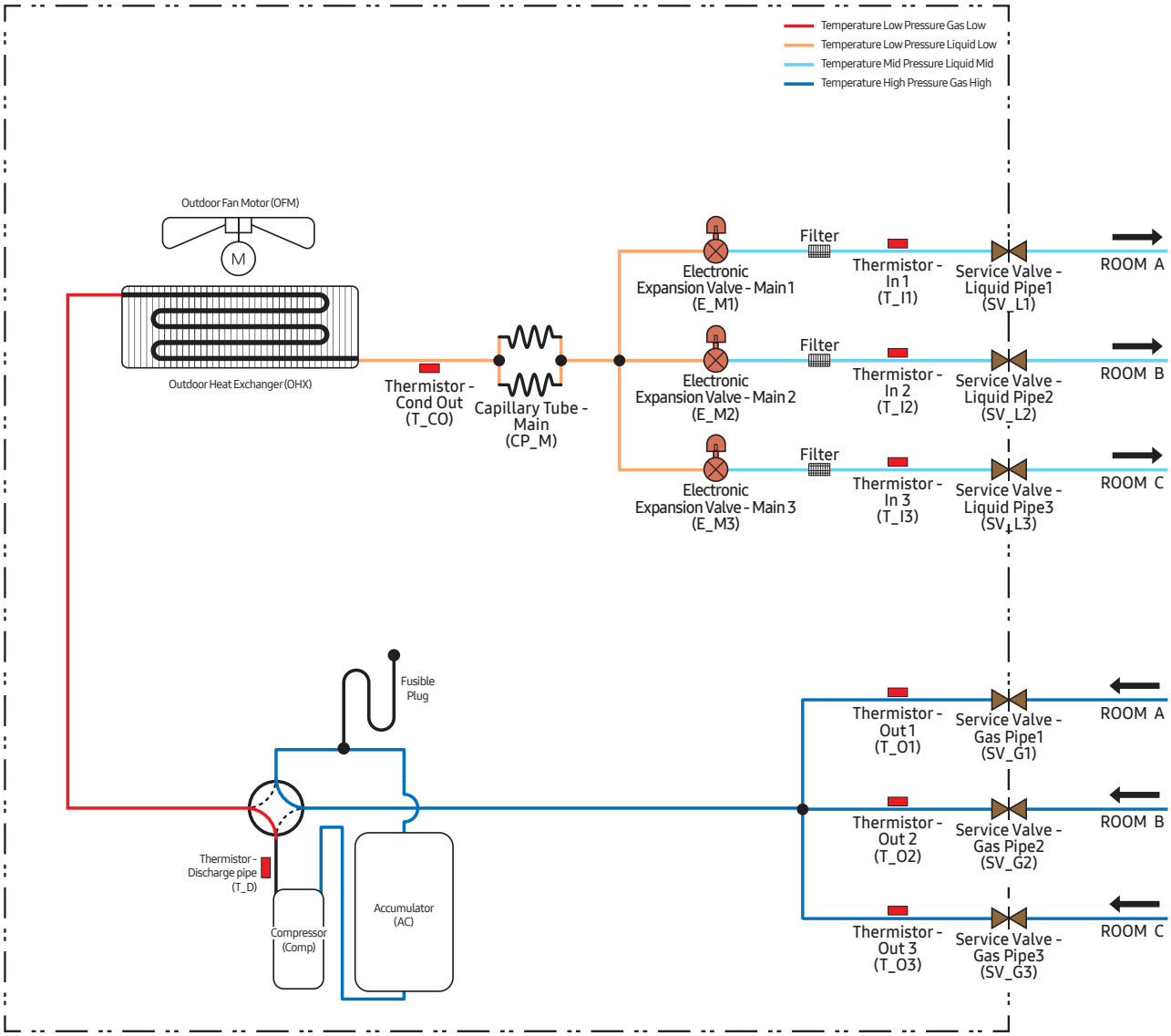


NOTE

- The graphs are based on the following conditions.
  1) Equivalent piping length : 7.5m (24.6ft)
  2) Level difference 0m (0ft)
  3) Air flow rate High

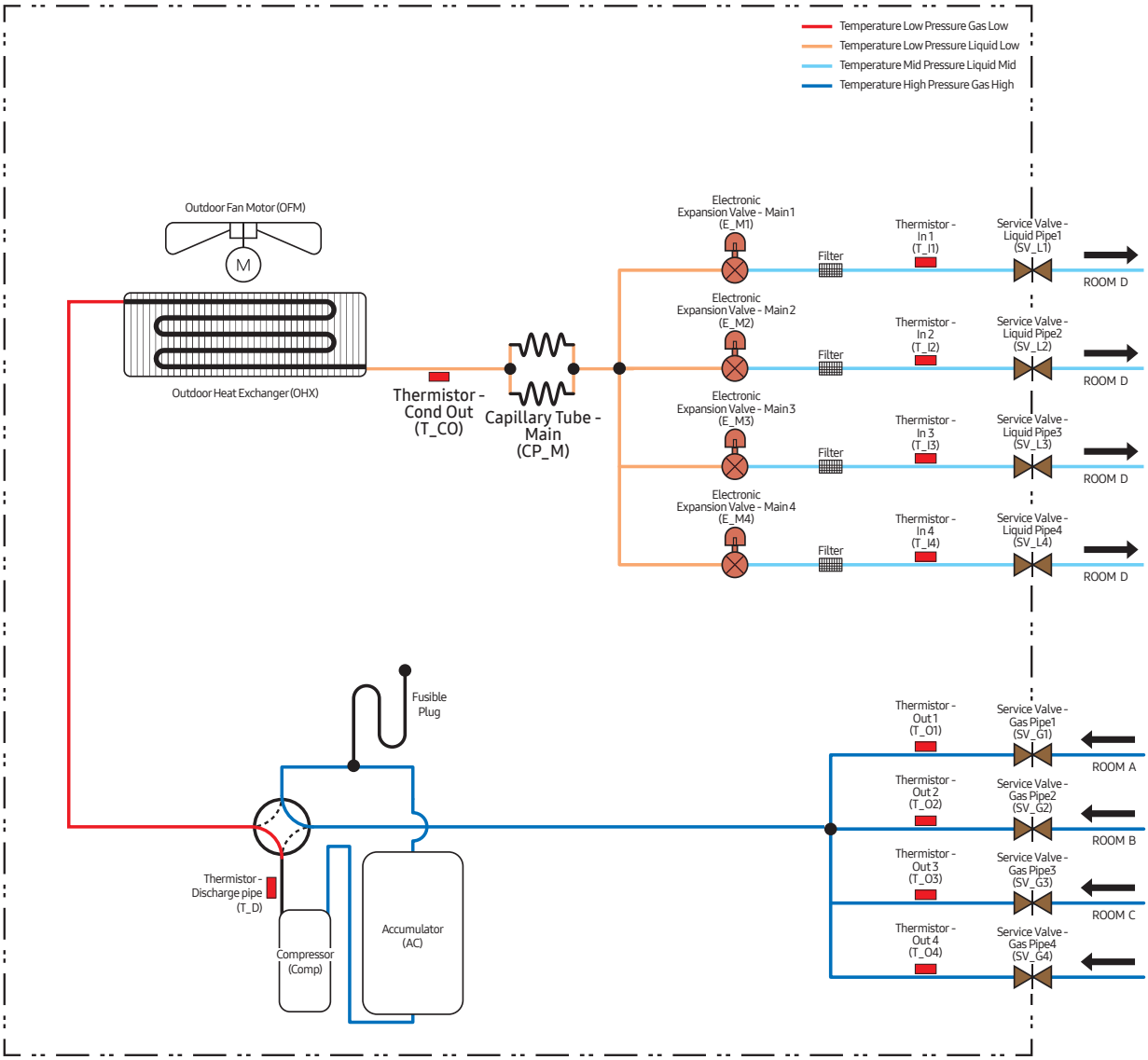
11. Piping Diagram

11-1. JXH20S3B (AJ020BXS3CH/AA)



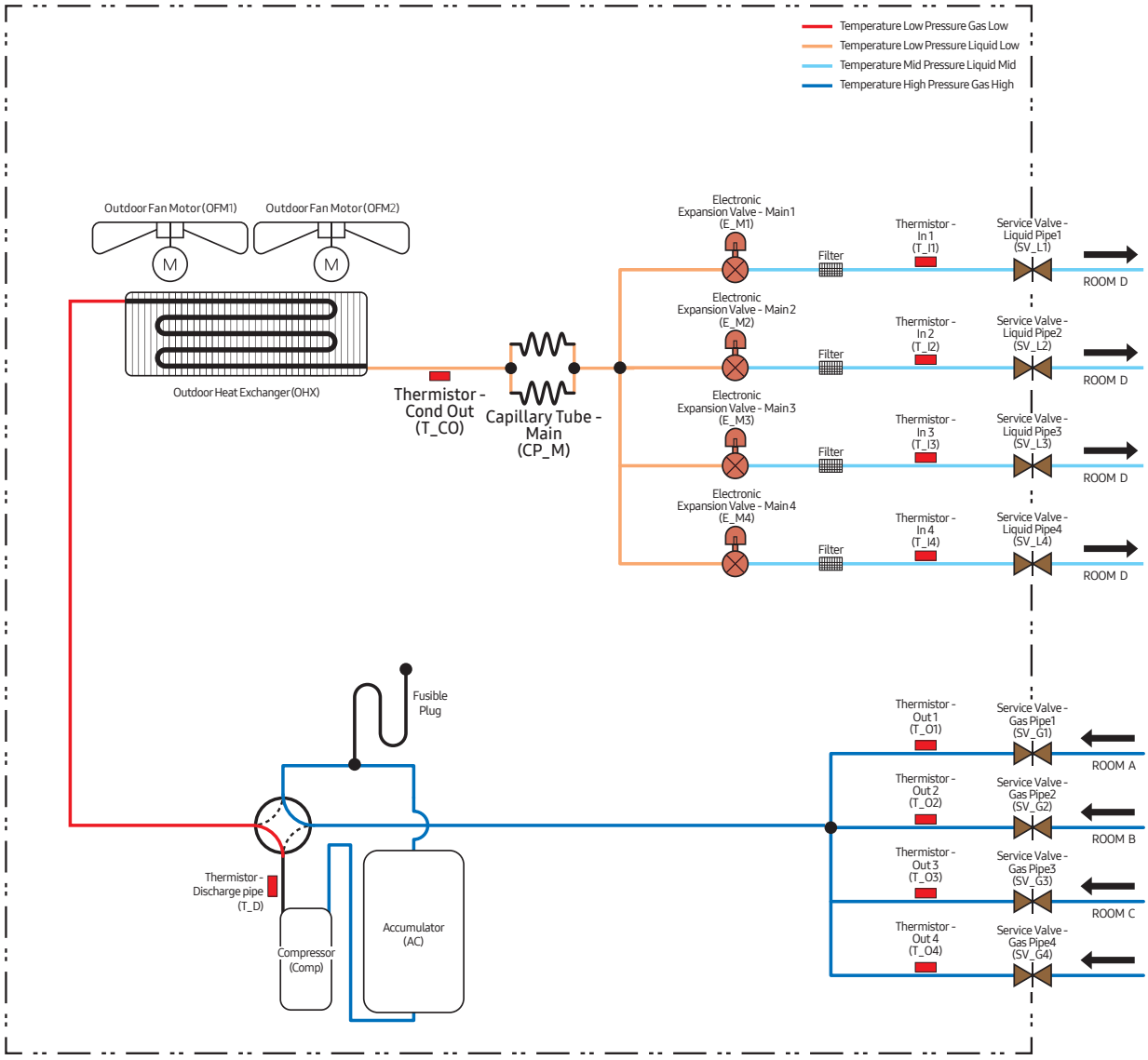
11. Piping Diagram

11-2. JXH24S4B (AJ024BXS4CH/AA), JXH30S4B (AJ030BXS4CH/AA)



11. Piping Diagram

11-3. JXH36S4B (AJ036BXS4CH/AA)

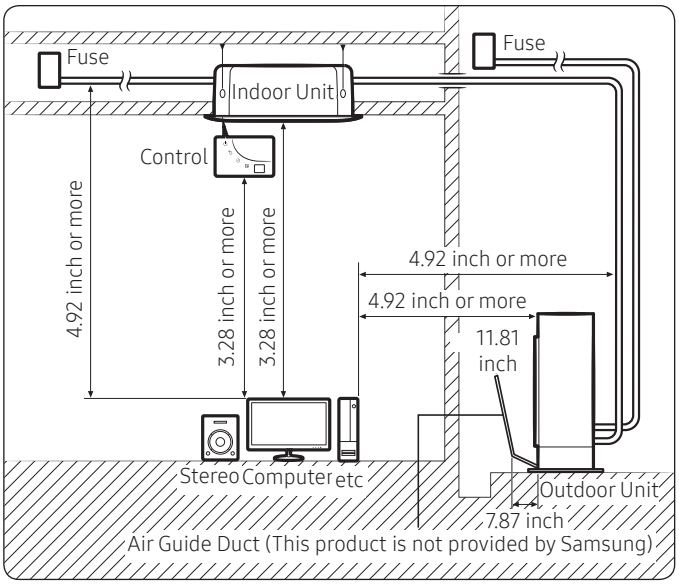


12. Installation

Choosing the installation location

Installation location requirements

- Do not place the outdoor unit on its side or upside down. Failing to do so may cause the compressor lubrication oil to run into the cooling circuit and lead to serious damage to the unit.
- Install the unit in a well-ventilated location away from direct sunlight or strong winds.
- Install the unit in a location that would not obstruct any passageways or thoroughfares.
- Install the unit in a location that would not inconvenience or disturb your neighbors, as they could be affected by the noise or the airflow coming from the unit.
- Install the unit in a location where the pipes and the cables can be easily connected to the indoor unit.
- Install the unit on a flat, stable surface that can withstand the weight of the unit. Otherwise, the unit can generate noise and vibration during operation.
- Install the 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.

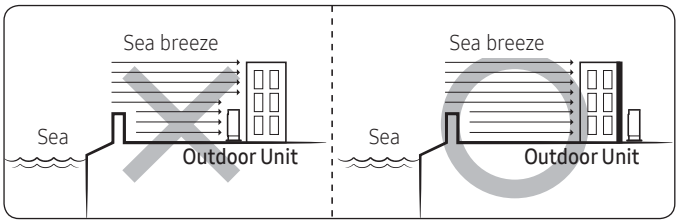


- Install the unit at a height where its base can be firmly fixed in place.
- Make sure that the water dripping from the drain hose runs away correctly and safely.

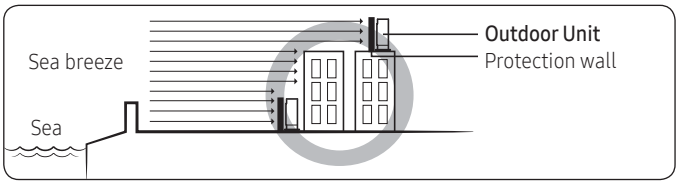
⚠ CAUTION

- 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.
- If your outdoor unit exceeds a net weight of 132.2 lb, do not install it on a suspended wall, but stand it on a floor.
- The reliability of our product cannot be guaranteed under conditions of -13°F or less.

- When installing the outdoor unit at the seaside, make sure that it is not directly exposed to sea breeze. If you cannot find an adequate place free from direct sea breeze, construct a protection wall or a protective fence.
  - Install the outdoor unit in a place (such as near buildings etc.) where it can be prevented from sea breeze. Failure to do so may cause a damage to the outdoor unit.



- If you cannot avoid installing the outdoor unit at the seaside, construct a protection wall around to block the sea breeze.
- Construct a protection wall with a solid material such as concrete to block the sea breeze. Make sure that the height and the width of the wall are 1.5 times larger than the size of the outdoor unit. Also, secure a space larger than 27.6 inch between the protection wall and the outdoor unit for exhausted air to ventilate.



⚠ CAUTION

- Depending on the condition of the power supply, unstable power or voltage may cause malfunction of parts or control system (example: on a boat or places using power supplied from electric generator, etc.).

※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

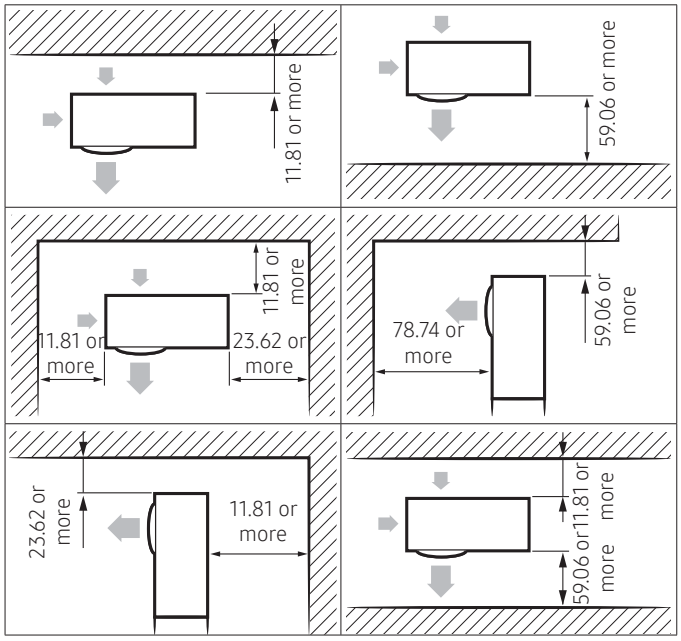
12. Installation

- Install the unit in a place where water can drain smoothly.
- If you have any difficulty finding installation location as prescribed above, contact your manufacturer for details.
- Consider that the salinity particles clinging to the external panels should be sufficiently washed out. Be sure to clean sea water and dust from the outdoor unit heat exchanger and apply a corrosion inhibitor on it at least once a year.
- Because the residual water at the bottom of the outdoor unit significantly promotes corrosion, make sure that the slope does not disturb drainage.
  - Keep the floor level so that rain does not accumulate.
  - Be careful not to block the drain hole due to foreign substance.
- Check the condition of the product periodically. When the product is to be shut down for a long period of time, such as off-peak hours, take appropriate measures like covering the product.
- If the product installed within 1640.4 ft of seashore, special anti-corrosion treatment is required.

Minimum clearances for the outdoor unit

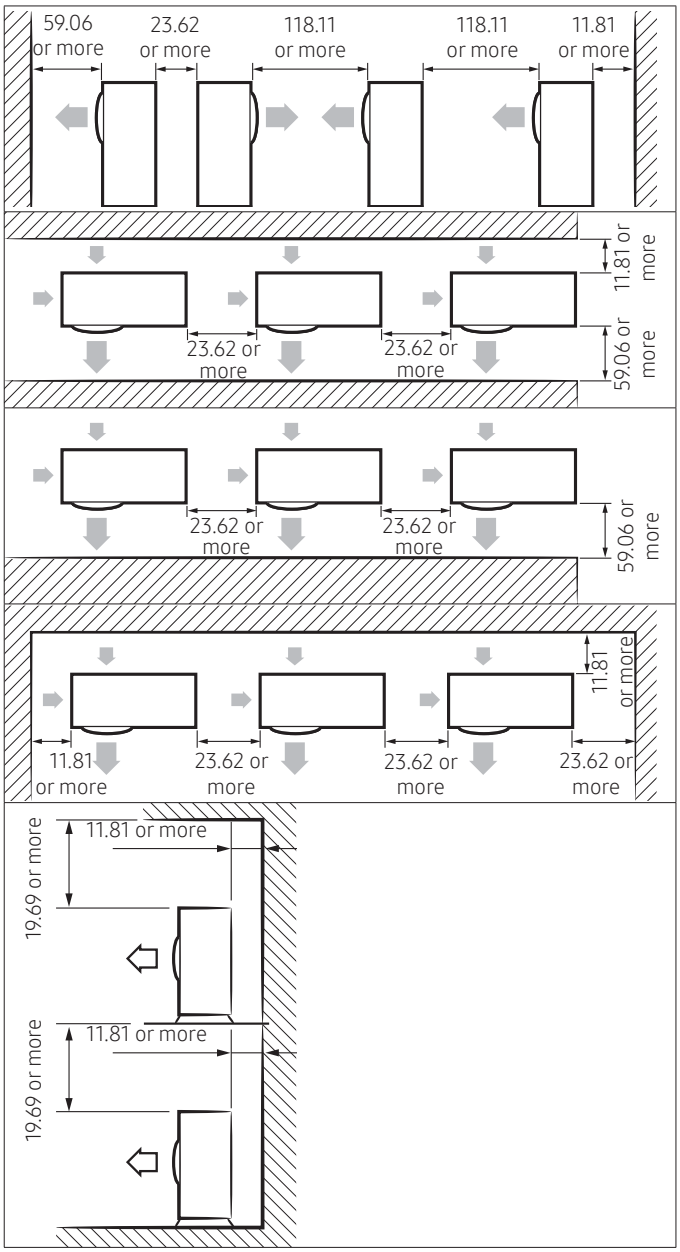
When installing 1 outdoor unit

(Unit : inch)



When installing more than 1 outdoor unit

(Unit : inch)



⚠ CAUTION

- The outdoor unit must be installed according to the specified distances in order to permit accessibility from each side, to guarantee correct operation, maintenance, and repair of the unit. The components of the outdoor unit must be reachable and removable under safe conditions for people and the unit.

※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

12. Installation

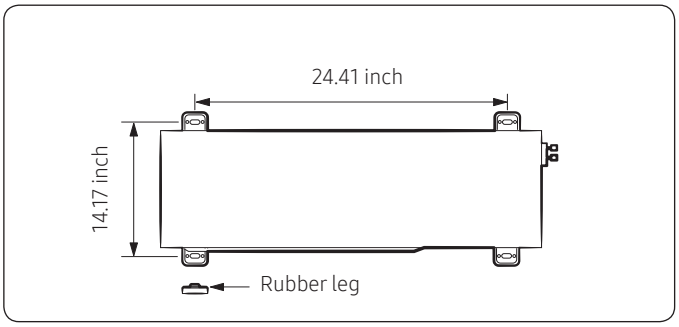
Fixing the outdoor unit in place

Install the outdoor unit on a rigid and stable base to prevent disturbance from any noise caused by vibration. When installing the unit on tall stands or in a location exposed to strong winds, fix the unit securely to the ground or structure.

1 Position the outdoor unit so that the air flow is directed towards the outside, as indicated by the arrows on the top of the unit.
2 Attach the outdoor unit to the appropriate support using anchor bolts.
   - The ground wire for the telephone line cannot be used to ground the air conditioner.
3 If the outdoor unit is exposed to strong winds, install shield plates around the outdoor unit, so that the fan can operate correctly.

NOTE

- Install provided rubber legs to prevent vibration and noise.



⚠ CAUTION

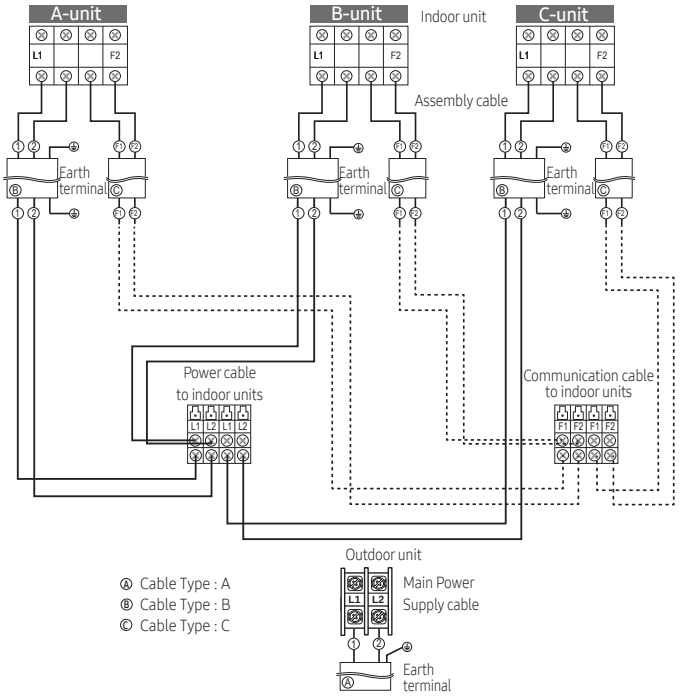
- Install a drain outlet at the lowest end around the base for outdoor unit drainage
- When installing the outdoor unit on the roof, waterproof the unit and check the ceiling strength.

※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

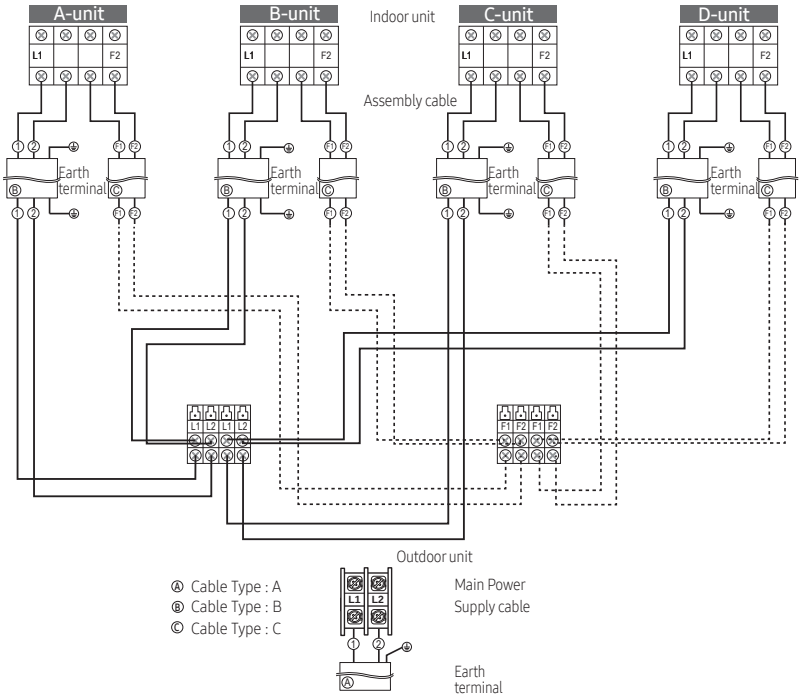
12. Installation

Connecting the cables to the outdoor unit

- AJ***BXS3CH



- AJ***BX*4CH



※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

12. Installation

Specification for circuit breaker and power supply cord

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

The specification for cables

Model	Main Power Supply Cable		Indoor Power Supply Cable		Communication Cable		FUSE	MCCB	Type GL
	Specification	Type	Specification	Type	Specification	Type			
JXH20S3B(AJ020BXS3CH/AA) JXH24S4B(AJ024BXS4CH/AA) JXH30S4B(AJ030BXS4CH/AA)	3G, 4.0 mm² (8Kcmil or 0.0062 inch² or 10AWG) or more, H07RN-F	A	3G, 1.5 mm² (3Kcmil or 0.0023 inch² or 14AWG) or more, H07RN-F	B	2G, 0.75 mm² (1.5Kcmil or 0.0012 inch² or 18AWG) or more, H07RN-F	C	30A	Frame : 35A Trip : 30A	30A
JXH36S4B(AJ036BXS4CH/AA)							40A	Frame : 50A Trip : 40A	40A

- Connect the power cable to the auxiliary circuit breaker.
  An all-pole disconnection from the power supply must be incorporated in the fixed wiring with a contact opening of ≥0.12 inch (3 mm).

Tightening power terminal

- Connect the cables to the terminal board using the compressed ring terminal.
- Use rated cables only.
- Connect the cables with driver and wrench that can apply the rated torque to the screws.
- Make sure that appropriate tightening torque is applied for cable connection. If the terminal is loose, arc heat may occur and cause fire and if the terminal is connected too firmly, terminal may get damaged.

Screw	Tighten Torque (lbf·ft)
M4	0.87 ~1.30

※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

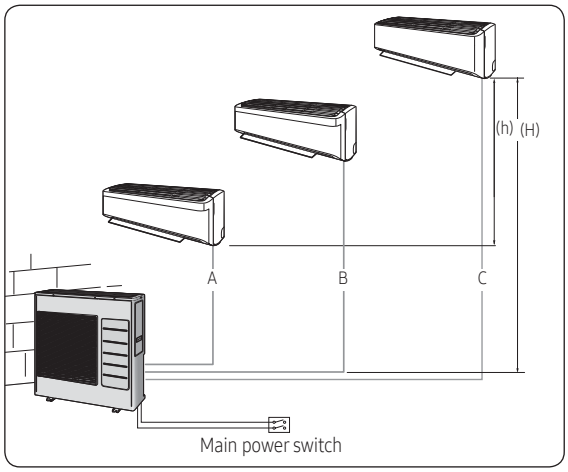
12. Installation

Connecting the refrigerant pipe

◆ AJ020BXS3CH

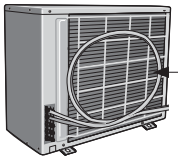
1 Piping outside diameter.

Indoor unit	Out unit	Power supply Ø, V, Hz	Outside diameter	
			Liquid	Gas
07/09/12/ 009/012	AJ020BXS3CH	1,208-230,60	1/4”	3/8”



2 Piping length and the height.

	1 Room max length	3 Room total max length	Max height between indoor unit & outdoor unit	Max height between indoor units
Dimension	82.0 ft	164.0 ft	49.2 ft	24.6 ft
Composition	A,B,C	A+B+C	(H)	(h)



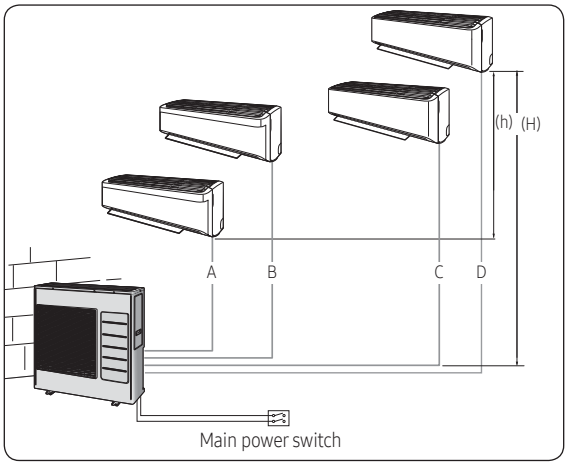
⚠ CAUTION

- 10 ft as minimum pipe length: It will reduce noise and vibration.
- The appearance of the unit may be different from the diagram depending on the model.

◆ AJ024BXS4CH

1 Piping outside diameter.

Indoor unit	Out unit	Power supply Ø, V, Hz	Outside diameter	
			Liquid	Gas
07/09/12/009/ 012, AR15**	AJ024BXS4CH	1,208-230,60	1/4”	3/8”
18/018, AJ015**				1/2”

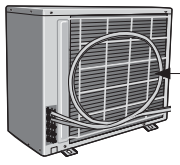


NOTE

- AJ024BXS4CH Outdoor unit cannot be connected to the following indoor unit combination.
  - AJ018BNJDCH

2 Piping length and the height.

	1 Room max length	4 Room total max length	Max height between indoor unit & outdoor unit	Max height between indoor units
Dimension	82.0 ft	229.7 ft	49.2 ft	24.6 ft
Composition	A,B,C,D	A+B+C+D	(H)	(h)



⚠ CAUTION

- 10 ft as minimum pipe length: It will reduce noise and vibration.
- The appearance of the unit may be different from the diagram depending on the model.

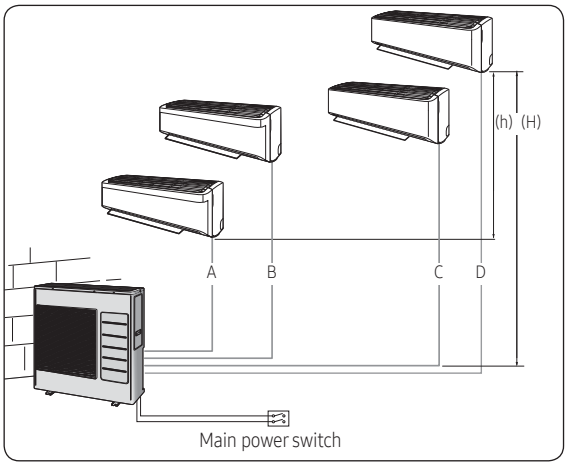
※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

12. Installation

◆ AJ030BXS4CH / AJ036BXS4CH

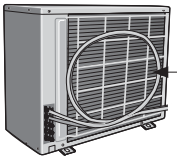
1 Piping outside diameter.

Indoor unit	Out unit	Power supply Ø, V, Hz	Outside diameter	
			Liquid	Gas
07/09/12/009/012, AR15**	AJ030BXS4CH / AJ036BXS4CH	1,208-230,60	1/4"	3/8"
18/018, AJ015**				1/2"
24				5/8"



2 Piping length and the height.

	1 Room max length	4 Room total max length	Max height between indoor unit & outdoor unit	Max height between indoor units
Dimension	82.0 ft	229.7 ft	49.2 ft	24.6 ft
Composition	A,B,C,D	A+B+C+D	(H)	(h)



⚠ CAUTION

- 10 ft as minimum pipe length: It will reduce noise and vibration.
- The appearance of the unit may be different from the diagram depending on the model.

※ In case you want more information about the controllers and accessories, please refer to the Controller and Accessory TDB on pvi.Samsung.com site or Global Partner Portal site.

2022.05
Ver.1.5

Samsung Electronics Co., LTD.
Head Office (Suwon Korea) 129, Samsung-Ro, Yeongtong-Gu, Suwon City, Gyeonggi-Do, Korea 16677
Website : www.samsung.com, https://partnerhub.samsung.com Email : airconditioner@samsung.com
Images and data in this book may subject to change without prior notice.