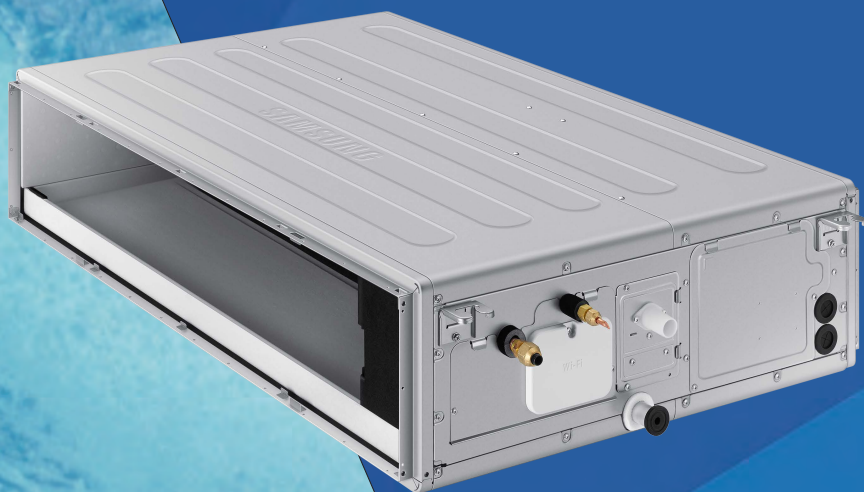


SAMSUNG

SINGLE **Technical** **Data Book**

Duct (R32, Cooling only)



Model : CNG***DD (AC***DN*DCG/AA), CXF**SCD (AC0**DXSCCF/AA)

History

Version	Modification	Date	Remark
Ver.1.0	Released Single Duct Cooling only TDB	24. 09. 05	
Ver.1.1	Modified some data.	24. 12. 09	

Nomenclature

US Code

Model Name

C

N

G

36

H

D

D

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(1) Classification

C	CAC
---	-----

(2) Product Type

N	Indoor Unit
X	Outdoor Unit

(3) Mode

F	Cooling Only (R32)
G	Heat Pump (R32)

(4) Capacity

X1,000 Btu/h (2 digits)

(5-2) Feature1 (Outdoor Unit)

A	Inv+Side+General Temp
S	Inv+Side+Low Temp
Q	Inv+Side+Tropical Temp
F	Inv+Top+Tropical Temp

(6) Feature

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

(7) Version

D	2024
---	------

(5-1) Product Notation (Indoor Unit)

1	1 Way Cassette / Wind-Free 1Way Cassette
N	4 Way Cassette (600x600) Wind-Free 4 Way Cassette (600x600)
4	4 Way Cassette, 360 Cassette Wind-Free 4 Way Cassette
L	LSP Duct
H	HSP Duct
C	Ceiling
J	Console
A	AR9500 (Wall Mounted)
T	MAX4 (Wall Mounted)
Z	Multi-position AHU

Nomenclature

Indoor Unit

Model Name

AC

036

D

N

H

D

C

G

/

AA

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

Buyer

(1) Classification

AC	CAC
----	-----

(2) Capacity

X1,000 Btu/h (3 digits)

(3) Version

D	2024
---	------

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1 Way Cassette
N	4 Way Cassette (600x600) Wind-Free 4 Way Cassette (600x600)
4	4 Way Cassette, 360 Cassette Wind-Free 4 Way Cassette
L	LSP Duct
H	HSP Duct
C	Ceiling
J	Console
A	AR9500 (Wall Mounted)
T	MAX4 (Wall Mounted)
Z	Multi-position AHU

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

C	1Φ, 208-230V,60Hz
---	-------------------

(8) Mode

F	Cooling Only (R32)
G	Heat Pump (R32)

Nomenclature

Outdoor Unit

Model Name

AC

036

D

X

S

C

C

F

/

AA

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

Buyer

(1) Classification

AC	CAC
----	-----

(2) Capacity

x 1000 Btu/h (3 digits)

(3) Version

D	2024
---	------

(4) Product Type

N	Indoor Unit (NASA)
X	Outdoor Unit (NASA)

(5) Feature1

A	Inv+Side+General Temp
S	Inv+Side+Low Temp
Q	Inv+Side+Tropical Temp
F	Inv+Top+Tropical Temp

(6) Feature2

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

(7) Rating Voltage

C	1Φ, 208~230V, 60Hz
H	3Φ, 400V, 60Hz

(8) Mode

F	Cooling Only (R32)
G	Heat Pump (R32)

Contents

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HSP Duct

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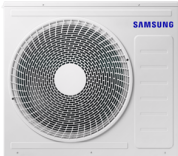
1. Line-up

HSP Duct

Indoor unit

Model	Capacity (kBtu/h)			
	18	24	30	36
HSP Duct				
	CNG18HDD (AC018DNHDCG/AA)	CNG24HDD (AC024DNHDCG/AA)	CNG30HDD (AC030DNHDCG/AA)	CNG36HDD (AC036DNHDCG/AA)

Outdoor Unit

Model	Capacity (kBtu/h)			
	18	24	30	36
HSP Duct				
	CXF18SCD (AC018DXSCCF/AA)	CXF24SCD (AC024DXSCCF/AA)	CXF30SCD (AC030DXSCCF/AA)	CXF36SCD (AC036DXSCCF/AA)

2. Specification

HSP Duct

Model Name		Indoor Unit			AC018DNHDCG/AA		AC024DNHDCG/AA		
		Outdooru Unit			AC018DXSCCF/AA		AC024DXSCCF/AA		
US Code		Indoor Unit			CNG18HDD		CNG24HDD		
		Outdooru Unit			CXF18SCD		CXF24SCD		
System	Mode			-	Cooling Only		Cooling Only		
	Performance	Capacity	Cooling (Min/Std/Max)	kW	1.1 / 5.2 / 6.4		1.7 / 6.7 / 8.7		
				Btu/h	4,000 / 18,000 / 22,000		6,000 / 23,000 / 30,000		
				US RT	0.33 / 1.50 / 1.83		0.50 / 1.92 / 2.50		
			Heating (Min/Std/Max)	kW	-		-		
				Btu/h	-		-		
				US RT	-		-		
	Power	Power Input	Cooling (Min/Std/Max) Heating (Min/Std/Max)	kW	0.40 / 1.50 / 2.20		0.45 / 1.91 / 3.84		
					-		-		
		Current Input	Cooling (Min/Std/Max) Heating (Min/Std/Max)	A	2.1 / 6.7 / 9.7		2.4 / 8.5 / 16.9		
					-		-		
		Current	MCA	A	13.7		21.3		
			MOP	A	15.0		25.0		
		Efficiency	EER2	Cooling	-	3.52		3.52	
				Cooling (US)	(Btu/h)/W	12		12	
	COP		Heating	W/W	-		-		
			SEER2 (Cooling Energy Grade)			-	18.6		18.4
	HSPF2 (Heating Energy Grade)			-	-		-		
	Pipe Connections		Liquid Pipe		Type	Flare		Flare	
		Φ, mm(inch)			6.35 (1/4)		6.35 (1/4)		
		Gas Pipe		Type	Flare		Flare		
				Φ, mm(inch)	12.7 (1/2)		15.88 (5/8)		
		Heat Insulation			-	Both liquid and gas pipes		Both liquid and gas pipes	
		Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)		7.5 (24.6)		
			Max.	m (ft)	30 (98.4)		50 (164.0)		
			Elevation	m (ft)	20 (65.6)		30 (98.4)		
	Chargeless		m (ft)	7.5 (24.6)		7.5 (24.6)			
	Wiring Connections	Communication	Min.	mm ²	0.75		0.75		
				AWG	18		18		
			Remark	-	F1,F2		F1,F2		
	Refrigerant	Type		-	R32		R32		
		Factory Charging		kg	1.3		1.7		
				lbs	2.87		3.75		
	Indoor Unit	Power Supply			Φ,#,V,Hz	1,2,208-230,60		1,2,208-230,60	
		Heat Exchanger	Type		-	Fin & Tube		Fin & Tube	
			Material	Fin	-	Al		Al	
Tube				-	Cu		Cu		
Fin Treatment			-	Green Hydrophile		Green Hydrophile			
Fan		Type		-	Sirocco		Sirocco		
		Quantity		EA	3		3		
		Air Flow Rate	Cooling (H/M/L)	m ³ /min	23.8 / 20.8 / 16.8		23.8 / 20.8 / 17.2		
				ft ³ /min	841 / 735 / 593		841 / 735 / 607		
			Heating (H/M/L)	m ³ /min	-		-		
				ft ³ /min	-		-		
		External Static Pressue	Min/Std/Max	In Wg	0.1 / 0.58 / 0.79		0.1 / 0.58 / 0.79		
Fan Motor		Type		-	BLDC		BLDC		
		Output		W x n	153 x 1		153 x 1		
Drain		Drain Pipe		Φ, mm	OD 26.67		OD 26.67		
Sound Level		Sound Pressure Level	H/M/L	dB(A)	40 / 36 / 32		41 / 37 / 33		
		Sound Power Level		dB(A)	61		62		

2. Specification

HSP Duct

Model Name		Indoor Unit		AC018DNHDCG/AA	AC024DNHDCG/AA
		Outdoor Unit		AC018DXSCCF/AA	AC024DXSCCF/AA
US Code		Indoor Unit		CNG18HDD	CNG24HDD
		Outdoor Unit		CXF18SCD	CXF24SCD
Indoor Unit	External Dimension	Net Weight	kg(lbs)	33.5 (73.9)	34.5 (76.1)
		Shipping Weight	kg(lbs)	38.0 (83.8)	39.0 (86.0)
		Net Dimensions (WxHxD)	mm	1,200 x 250 x 700	1,200 x 250 x 700
			inch	47.24 x 9.84 x 27.56	47.24 x 9.84 x 27.56
		Shipping Dimensions (WxHxD)	mm	1,429 x 320 x 779	1,429 x 320 x 779
			inch	56.26 x 12.60 x 30.67	56.26 x 12.60 x 30.67
	Casing	Material	-	Steel	Steel
	Control System	Infrared remote control	-	AR-CH01U	AR-CH01U
		Wired remote control	-	MWR-WG01UN	MWR-WG01UN
	Drain Pump	Drain Pump	-	Included	Included
		Max.lifting Height / Displacement	in / gal/h	29.53 / 6.34	29.53 / 6.34
	Additional	Air Filter	-	-	-
Outdoor Unit	Power Supply		Φ,#,V,Hz	1, 2, 208-230, 60	1, 2, 208-230, 60
	Heat Exchanger	Type	-	Fin & Tube	Fin & Tube
		Material	Fin	Al	Al
			Tube	Cu	Cu
		Fin Treatment	-	Blue Hydrophile	Anti-Corrosion
	Compressor	Model	-	UB9TA8150FEQTS	UB9TA9180FEQSG
		Type	-	Twin Rotary	Twin Rotary
		Output	kW	1.41	1.68
		Oil	Type	POE	POE
			Initial Charge	cc (fl oz)	450
	Fan	Type	-	Propeller	Propellar
		Discharge direction	-	Side	Side
		Quantity	EA	1	1
		Air Flow Rate	m ³ /min	50	61
			ft ³ /min	1,766	2,154
	Fan Motor	Type	-	BLDC	BLDC
		Output	W x n	125 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	48	50
			Heating	-	-
		Sound Power Level		62	65
	External Dimension	Net Weight	kg(lbs)	40.0 (88.2)	46.0 (101.4)
		Shipping Weight	kg(lbs)	43.0 (94.8)	50.0 (110.2)
		Net Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 798 x 310
			inch	34.65 x 25.12 x 12.20	34.65 x 31.42 x 12.20
		Shipping Dimensions (WxHxD)	mm	1,023 x 724 x 413	1,023 x 881 x 413
			inch	40.28 x 28.50 x 16.26	40.28 x 34.69 x 16.26
	Casing	Material	Body	Steel	Steel
	Operating Temp. Range	Cooling	°C (°F)	-40~50 (-40~122)	-40~50 (-40~122)
		Heating	°C (°F)	-	-

- Specification 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 piping length 5m(16.4ft), Level differences : 0m(0ft))
 - 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 R32 (GWP=675) which is fluorinated greenhouse gas.

2. Specification

HSP Duct

Model Name		Indoor Unit			AC030DNHDCG/AA	AC036DNHDCG/AA	
		Outdooru Unit			AC030DXSCCF/AA	AC036DXSCCF/AA	
US Code		Indoor Unit			CNG30HDD	CNG36HDD	
		Outdooru Unit			CXF30SCD	CXF36SCD	
System	Mode				Cooling Only	Cooling Only	
	Performance	Capacity	Cooling (Min/Std/Max)	kW	2.5 / 8.7 / 11.1	3.5 / 10.5 / 12.3	
				Btu/h	8,800 / 30,000 / 38,000	12,000 / 36,000 / 42,000	
				US RT	0.73 / 2.50 / 3.17	1.00 / 3.00 / 3.50	
			Heating (Min/Std/Max)	kW	-	-	
				Btu/h	-	-	
				US RT	-	-	
	Power	Power Input	Cooling (Min/Std/Max) Heating (Min/Std/Max)	kW	0.65 / 2.72 / 4.60	0.95 / 3.67 / 5.25	
					-	-	
		Current Input	Cooling (Min/Std/Max) Heating (Min/Std/Max)	A	3.4 / 12.1 / 20.3	4.9 / 16.4 / 23.1	
					-	-	
		Current	MCA	A	27.0	27.0	
			MOP	A	30.0	30.0	
		Efficiency	EER2	Cooling	-	3.22	2.87
				Cooling (US)	(Btu/h)/W	11	9.8
	COP		Heating	W/W	-	-	
			SEER2 (Cooling Energy Grade)	-	19	17.5	
	HSPF2 (Heating Energy Grade)		-	-	-		
	Pipe Connections		Liquid Pipe		Type	Flare	Flare
		Φ, mm(inch)			9.52 (3/8)	9.52 (3/8)	
		Gas Pipe		Type	Flare	Flare	
				Φ, mm(inch)	15.88 (5/8)	15.88 (5/8)	
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
		Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)	
			Max.	m (ft)	50 (164.0)	50 (164.0)	
			Elevation	m (ft)	30 (98.4)	30 (98.4)	
	Chargeless		m (ft)	7.5 (24.6)	7.5 (24.6)		
	Wiring Connections	Communication	Min.	mm ²	0.75	0.75	
				AWG	18	18	
			Remark	-	F1,F2	F1,F2	
	Refrigerant	Type			-	R32	
		Factory Charging			kg	2.7	2.7
					lbs	5.95	5.95
	Indoor Unit	Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
		Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
Material			Fin	-	Al	Al	
			Tube	-	Cu	Cu	
Fin Treatment			-	Green Hydrophile	Green Hydrophile		
Fan		Type		-	Sirocco	Sirocco	
		Quantity		EA	3	3	
		Air Flow Rate	Cooling (H/M/L)	m ³ /min	32.0 / 26.8 / 22.4	38.5 / 33.0 / 27.0	
				ft ³ /min	1130 / 946 / 791	1360 / 1165 / 954	
			Heating (H/M/L)	m ³ /min	-	-	
				ft ³ /min	-	-	
		External Static Pressue	Min/Std/Max	In Wg	0.1 / 0.58 / 0.79	0.1 / 0.58 / 0.79	
Fan Motor		Type		-	BLDC	BLDC	
		Output		W x n	244 x 1	244 x 1	
Drain		Drain Pipe		Φ, mm	OD 26.67	OD 26.67	
Sound Level		Sound Pressure Level	H/M/L	dB(A)	41 / 37 / 33	43 / 39 / 35	
		Sound Power Level		dB(A)	63	65	

2. Specification

HSP Duct

Model Name		Indoor Unit		AC030DNHDCG/AA	AC036DNHDCG/AA
		Outdoor Unit		AC030DXSCCF/AA	AC036DXSCCF/AA
US Code		Indoor Unit		CNG30HDD	CNG36HDD
		Outdoor Unit		CXF30SCD	CXF36SCD
Indoor Unit	External Dimension	Net Weight	kg(lbs)	44.5 (98.1)	44.5 (98.1)
		Shipping Weight	kg(lbs)	50.5 (111.3)	50.5 (111.3)
		Net Dimensions (WxHxD)	mm	1,300 x 300 x 700	1,300 x 300 x 700
			inch	51.18 x 11.81 x 27.56	51.18 x 11.81 x 27.56
		Shipping Dimensions (WxHxD)	mm	1,529 x 370 x 779	1,529 x 370 x 779
			inch	60.20 x 14.57 x 30.67	60.20 x 14.57 x 30.67
	Casing	Material	-	Steel	Steel
	Control System	Infrared remote control	-	AR-CH01U	AR-CH01U
		Wired remote control	-	MWR-WG01UN	MWR-WG01UN
	Drain Pump	Drain Pump	-	Included	Included
		Max.lifting Height / Displacement	in / gal/h	29.53 / 6.34	29.53 / 6.34
	Additional	Air Filter	-	-	-
Outdoor Unit	Power Supply		Φ,#,V,Hz	1, 2, 208-230, 60	1, 2, 208-230, 60
	Heat Exchanger	Type	-	Fin & Tube	Fin & Tube
		Material	Fin	Al	Al
			Tube	Cu	Cu
		Fin Treatment	-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model	-	UB8TN8300FJUSG	UB8TN8300FJUSG
		Type	-	Twin Rotary	Twin Rotary
		Output	kW	2.91	2.91
		Oil	Type	POE	POE
			Initial Charge	cc (fl oz)	1,200
	Fan	Type	-	Propellar	Propeller
		Discharge direction	-	Side	Side
		Quantity	EA	1	1
		Air Flow Rate	m ³ /min	76	76
			ft ³ /min	2,684	2,684
	Fan Motor	Type	-	BLDC	BLDC
		Output	W x n	125 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	52	54
			Heating	-	-
		Sound Power Level		67	69
	External Dimension	Net Weight	kg(lbs)	71.0 (156.5)	71.0 (156.5)
		Shipping Weight	kg(lbs)	76.0 (167.6)	76.0 (167.6)
		Net Dimensions (WxHxD)	mm	940 x 998 x 330	940 x 998 x 330
			inch	37.01 x 39.29 x 12.99	37.01 x 39.29 x 12.99
		Shipping Dimensions (WxHxD)	mm	995 x 1,096 x 426	995 x 1,096 x 426
			inch	39.17 x 43.15 x 16.77	39.17 x 43.15 x 16.77
	Casing	Material	Body	Steel	Steel
	Operating Temp. Range	Cooling	°C (°F)	-40~50 (-40~122)	-40~50 (-40~122)
		Heating	°C (°F)	-	-

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 - 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 piping length 5m(16.4ft), Level differences : 0m(0ft))
 - 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 R32 (GWP=675) which is fluorinated greenhouse gas.

3. Summary Table

HSP Duct

Performance Characteristics

Model Code	Net Weight (lbs)	Capacity			Fan Speed	Air Flow Rate		Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (Btu/h)	Heating (Btu/h)		Cooling (CFM)	Heating (CFM)		
CNG18HDD (AC018DNHDCG/AA)	73.9	Max.	22,000	-	High	841	-	40	61
		Std.	18,000	-	Mid	735	-	36	-
		Min.	4,000	-	Low	593	-	32	-
CNG24HDD (AC024DNHDCG/AA)	73.9	Max.	30,000	-	High	841	-	41	62
		Std.	23,000	-	Mid	735	-	37	-
		Min.	6,000	-	Low	607	-	33	-
CNG30HDD (AC030DNHDCG/AA)	98.1	Max.	38,000	-	High	1,130	-	41	63
		Std.	30,000	-	Mid	946	-	37	-
		Min.	8,800	-	Low	791	-	33	-
CNG36HDD (AC036DNHDCG/AA)	98.1	Max.	42,000	-	High	1,360	-	43	65
		Std.	36,000	-	Mid	1,165	-	39	-
		Min.	12,000	-	Low	954	-	35	-

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model		Outdoor Unit				Input Current (Amperes)				Power Supply	
Indoor Unit	Outdoor Unit	Rated	Voltage range			Outdoor Unit		Indoor Unit	Total	MCA(A)	MOP(A)
		Hz	Volts	Min.	Max	Cooling	Heating				
CNG18HDD (AC018DNHDCG/AA)	CXF18SCD (AC018DXSCCF/AA)	60	208 to 230	187	253	11.58	-	2.10	13.68	13.7	15
CNG24HDD (AC024DNHDCG/AA)	CXF24SCD (AC024DXSCCF/AA)	60	208 to 230	187	253	19.20	-	2.10	21.30	21.3	25
CNG30HDD (AC030DNHDCG/AA)	CXF30SCD (AC030DXSCCF/AA)	60	208 to 230	187	253	23.45	-	3.50	26.95	27.0	30
CNG36HDD (AC036DNHDCG/AA)	CXF36SCD (AC036DXSCCF/AA)	60	208 to 230	187	253	23.45	-	3.50	26.95	27.0	30

NOTE

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

4. Capacity Table

HSP Duct

(1)CNG18HDD(AC018DNHDCG/AA)+CXF18SCD (AC018DXSCCF/AA)

Cooling

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

Outdoor Temperature (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	12.7	9.2	0.59	13.4	9.5	0.61	14.0	9.8	0.62	14.4	10.1	0.63	14.7	10.0	0.64	15.4	9.9	0.65	16.2	9.7	0.66
0	19.9	14.4	1.23	21.0	14.8	1.25	21.8	15.3	1.28	22.5	15.8	1.31	23.0	15.6	1.32	24.1	15.4	1.34	25.3	15.1	1.37
70	21.5	15.5	1.38	22.6	16.0	1.41	23.6	16.5	1.44	24.3	17.0	1.47	24.8	16.8	1.48	26.0	16.7	1.51	27.3	16.3	1.54
95	15.9	11.0	1.41	16.8	11.3	1.44	17.5	11.7	1.47	18.0	12.1	1.50	18.4	11.9	1.52	19.3	11.8	1.55	20.2	11.6	1.58
115	16.7	13.1	2.19	17.6	13.5	2.23	18.3	13.9	2.28	18.9	14.4	2.33	19.3	14.2	2.35	20.2	14.1	2.40	21.3	13.8	2.44
122	11.9	10.3	1.69	12.6	10.7	1.73	13.1	11.0	1.76	13.5	11.3	1.80	13.8	11.2	1.82	14.5	11.1	1.85	15.2	10.9	1.89

(2)CNG24HDD(AC024DNHDCG/AA)+CXF24SCD (AC024DXSCCF/AA)

Cooling

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

Outdoor Temperature (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	16.3	11.1	0.81	17.1	11.4	0.83	17.8	11.8	0.84	18.4	12.1	0.86	18.8	12.0	0.87	19.7	11.9	0.89	20.7	11.7	0.90
0	23.4	15.9	1.35	24.6	16.4	1.38	25.6	16.9	1.40	26.4	17.4	1.43	26.9	17.3	1.45	28.3	17.1	1.48	29.7	16.7	1.51
70	28.6	20.1	1.78	30.2	20.7	1.82	31.4	21.4	1.85	32.4	22.0	1.89	33.0	21.8	1.91	34.7	21.6	1.95	36.4	21.2	1.99
95	20.3	14.9	1.80	21.4	15.4	1.83	22.3	15.8	1.87	23.0	16.3	1.91	23.5	16.2	1.93	24.6	16.0	1.97	25.9	15.7	2.01
115	20.2	15.0	2.52	21.2	15.4	2.57	22.1	15.9	2.62	22.8	16.4	2.67	23.2	16.2	2.70	24.4	16.1	2.75	25.6	15.8	2.81
122	18.0	13.6	2.43	19.0	14.0	2.48	19.8	14.4	2.53	20.4	14.9	2.58	20.8	14.7	2.60	21.8	14.6	2.66	22.9	14.3	2.71

 NOTE

- The performance table shows the average value of each conditions.

4. Capacity Table

HSP Duct

(3)CNG30HDD(AC030DNHDCG/AA)+CXF30SCD (AC030DXSCCF/AA)

Cooling

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

Outdoor Temperature (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	21.2	15.3	1.54	22.3	15.8	1.57	23.3	16.3	1.60	24.0	16.8	1.63	24.5	16.6	1.65	25.7	16.5	1.68	27.0	16.1	1.71
0	27.9	20.1	2.07	29.3	20.7	2.12	30.6	21.4	2.16	31.5	22.1	2.20	32.1	21.8	2.23	33.7	21.6	2.27	35.4	21.2	2.32
70	30.5	22.0	2.18	32.1	22.7	2.22	33.5	23.4	2.27	34.5	24.2	2.31	35.2	23.9	2.34	36.9	23.7	2.38	38.8	23.2	2.43
95	26.5	18.5	2.56	27.9	19.0	2.61	29.1	19.6	2.67	30.0	20.2	2.72	30.6	20.0	2.75	32.1	19.8	2.80	33.7	19.4	2.86
115	23.4	18.3	2.87	24.6	18.9	2.93	25.6	19.5	2.99	26.4	20.1	3.05	26.9	19.9	3.08	28.3	19.7	3.14	29.7	19.3	3.20
122	19.9	17.2	2.79	21.0	17.8	2.85	21.8	18.3	2.91	22.5	18.9	2.96	23.0	18.7	2.99	24.1	18.5	3.05	25.3	18.2	3.12

(4)CNG36HDD(AC036DNHDCG/AA)+CXF36SCD (AC036DXSCCF/AA)

Cooling

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

Outdoor Temperature (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	25.5	20.8	2.25	26.8	21.4	2.29	27.9	22.1	2.34	28.8	22.8	2.39	29.4	22.5	2.41	30.8	22.3	2.46	32.4	21.9	2.51
0	38.2	26.0	3.11	40.2	26.8	3.17	41.9	27.7	3.24	43.2	28.5	3.30	44.1	28.2	3.34	46.3	27.9	3.40	48.6	27.4	3.47
70	39.8	25.5	3.18	41.9	26.3	3.24	43.7	27.1	3.31	45.0	27.9	3.38	45.9	27.6	3.41	48.2	27.3	3.48	50.6	26.8	3.55
95	31.8	21.7	3.45	33.5	22.4	3.52	34.9	23.0	3.60	36.0	23.8	3.67	36.7	23.5	3.71	38.6	23.3	3.78	40.5	22.8	3.86
115	27.1	19.0	3.70	28.5	19.6	3.77	29.7	20.2	3.85	30.6	20.8	3.93	31.2	20.6	3.97	32.8	20.4	4.05	34.4	20.0	4.13
122	23.9	18.2	3.32	25.1	18.8	3.38	26.2	19.4	3.45	27.0	20.0	3.52	27.5	19.8	3.56	28.9	19.6	3.63	30.4	19.2	3.70



NOTE

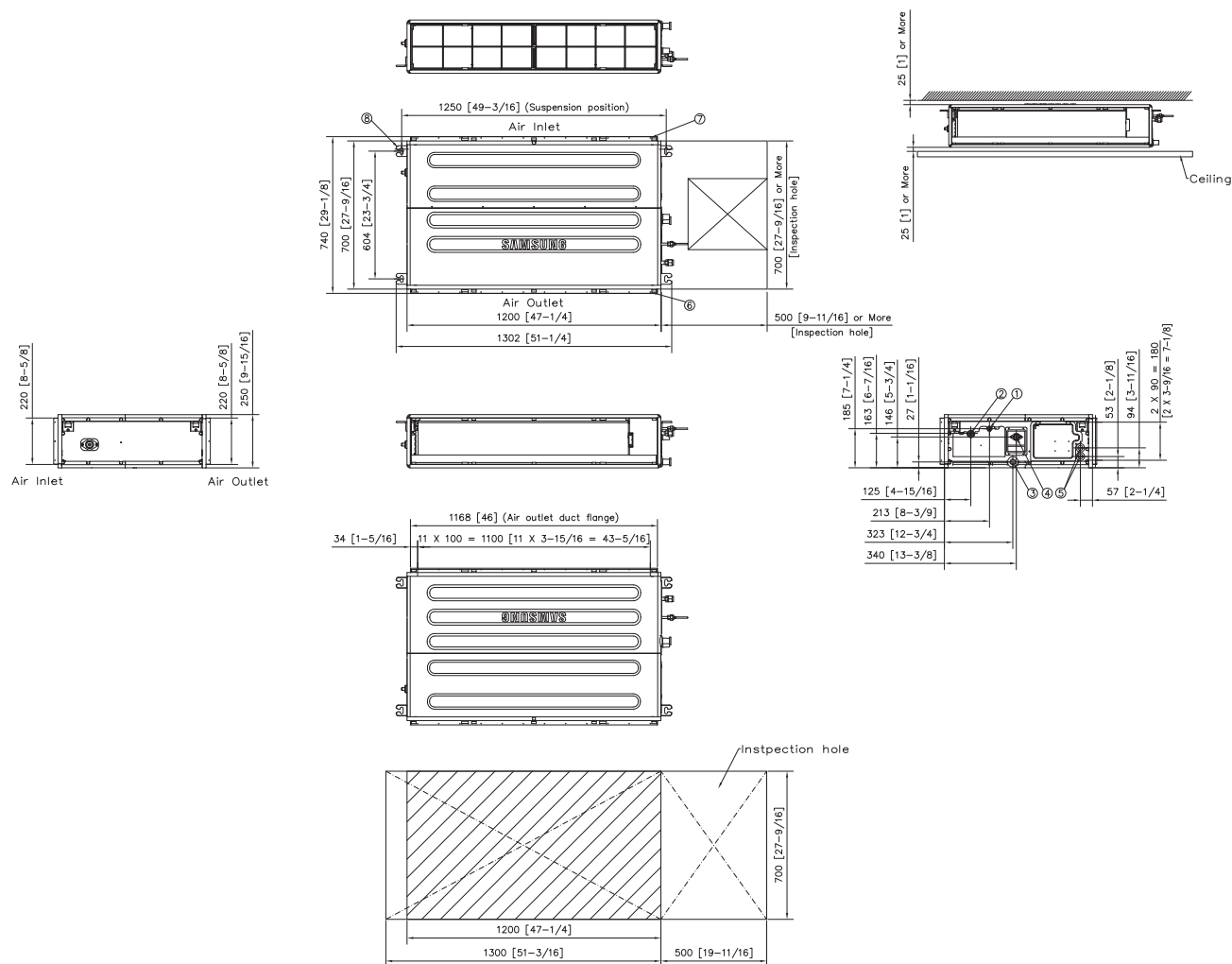
- The performance table shows the average value of each conditions.

5. Dimensional Drawing

HSP Duct

CNG18HDD (AC018DNHDCG/AA), CNG24HDD (AC024DNHDCG/AA)

Units : mm [inches]



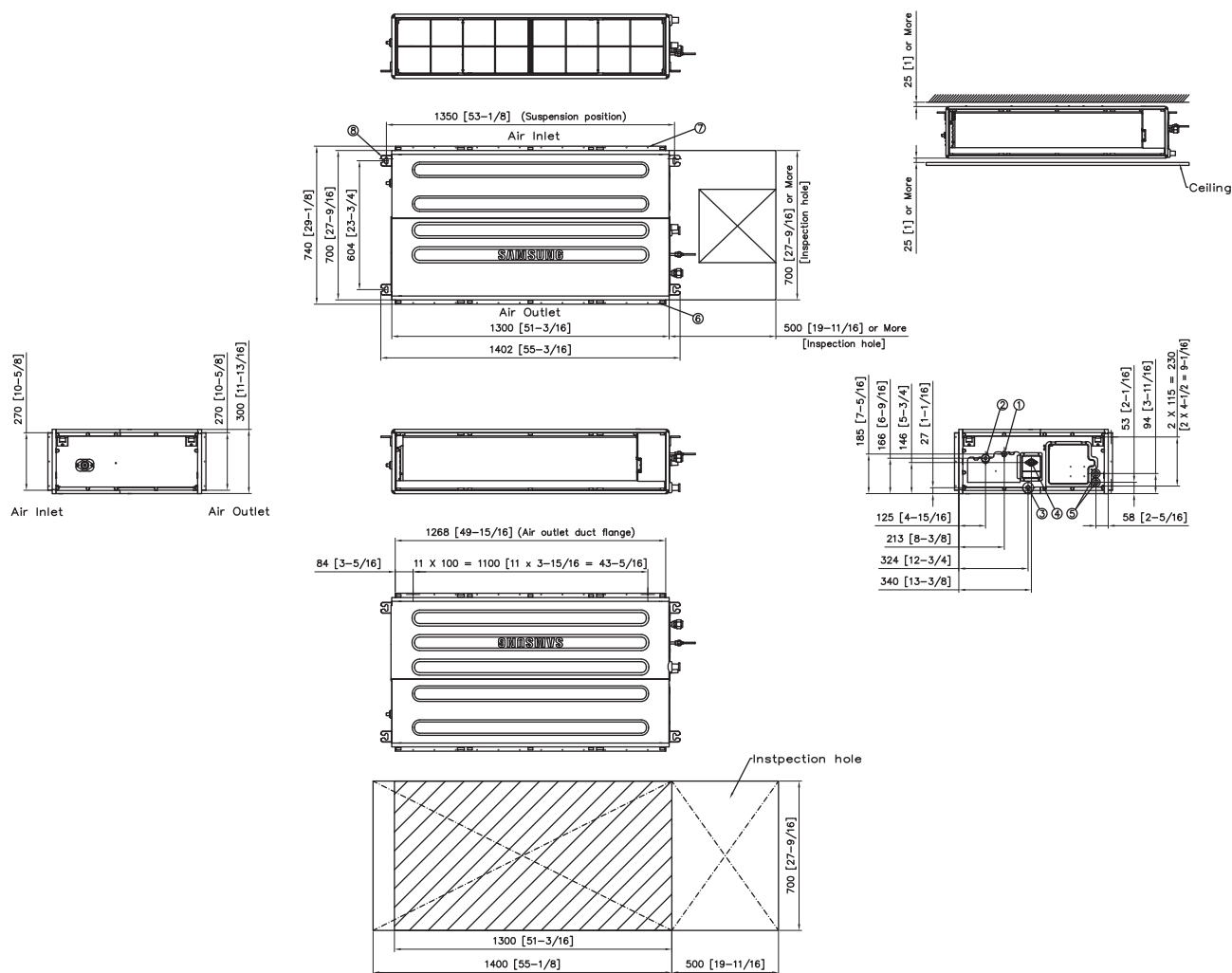
No.	Name	Description	
		CNG18HDD (AC018DNHDCG/AA)	CNG24HDD (AC024DNHDCG/AA)
①	Liquid pipe connection	Φ6.35 (1/4)	
②	Gas pipe connection	Φ12.7 (1/2)	Φ15.88 (5/8)
③	Drain pipe connection (Without drain pump)	OD 26.67	
④	Drain pipe connection (With drain pump)	-	
⑤	Power & Communication Conduits	-	
⑥	Air discharge grille flange	-	
⑦	Air suction flange	-	
⑧	Hook	Use M8~M10 bolt(4ea)	

5. Dimensional Drawing

HSP Duct

CNG30HDD (AC030DNHDCG/AA), CNG36HDD (AC036DNHDCG/AA)

Units : mm [inches]

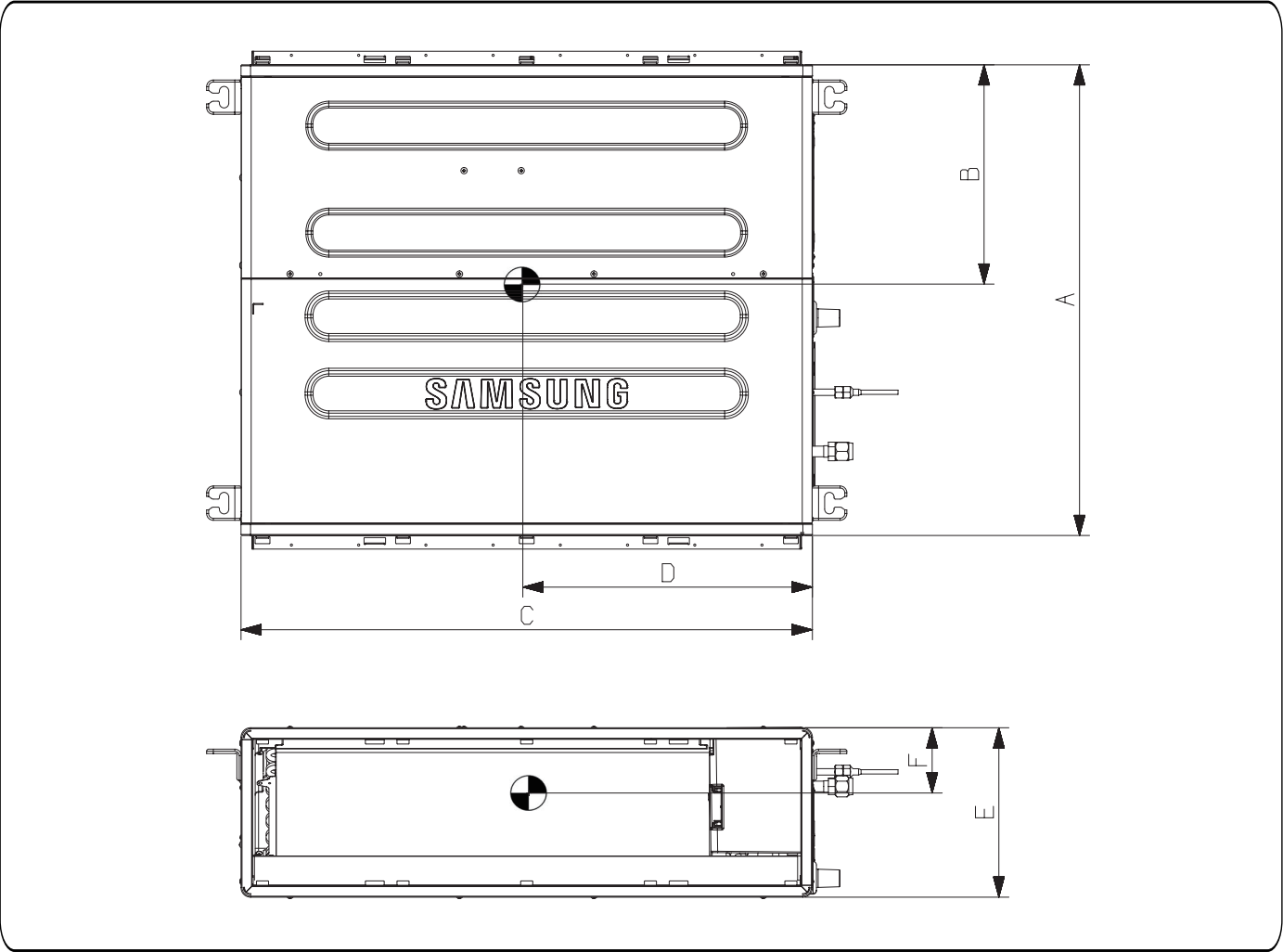


No.	Name	Description
①	Liquid pipe connection	Φ9.52 (3/8)
②	Gas pipe connection	Φ15.88 (5/8)
③	Drain pipe connection (Without drain pump)	OD 26.67
④	Drain pipe connection (With drain pump)	-
⑤	Power & Communication Conduits	-
⑥	Air discharge grille flange	-
⑦	Air suction flange	-
⑧	Hook	Use M8~M10 bolt(4ea)

6. Center of Gravity

HSP Duct

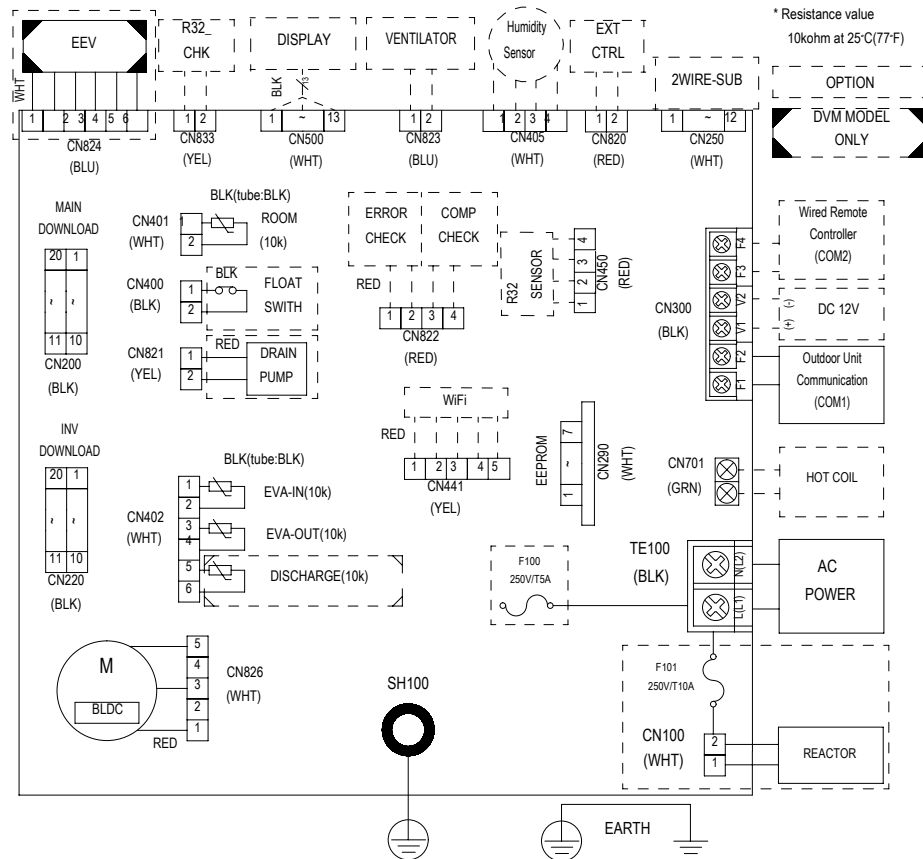
Units : mm [inches]



Model	A	B	C	D	E	F
CNG18HDD (AC018DNHDCG/AA) CNG24HDD (AC024DNHDCG/AA)	700 [27-9/16]	265 [10-7/16]	1200 [47-1/4]	540 [21-17/64]	250 [9-13/16]	125 [4-15/16]
CNG30HDD (AC030DNHDCG/AA) CNG36HDD (AC036DNHDCG/AA)	700 [27-9/16]	265 [10-7/16]	1300 [51-3/16]	625 [24-39/64]	300 [11-13/16]	150 [5-15/16]

7. Electrical Wiring Diagram

HSP Duct



2WIRE-SUB	SUB PBA for wired remote control communication	ROOM(10K)	Thermistor - Indoor Room	EEV	Electronic Expansion Valve
M-BLDC	Motor for Indoor Fan	EVA IN(10K)	Thermistor - IDU heat exchanger In	F100, F101	Fuse
DISPLAY	Panel LED display	EVA OUT(10K)	Thermistor - IDU heat exchanger Out	EEPROM	EEPROM SUB PBA
ERROR CHECK	Contact output port for error check	VENTILATOR	Contact output port for Ventilator control		
COMP CHECK	Contact output port for compressor operation check	EXT CTRL	Input port for external contact control		

NOTE

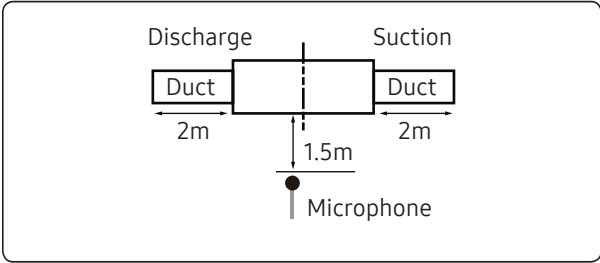
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- ⏏ Protective earth(screw), □□□ : connector, $\frac{N}{\times}$: The wire quantity

8. Sound Data

HSP Duct

Sound Pressure level

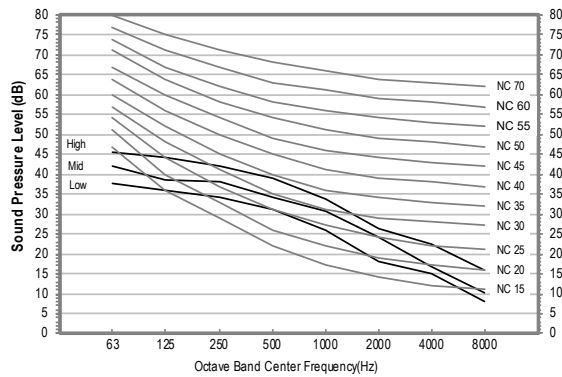
Unit: dB(A)



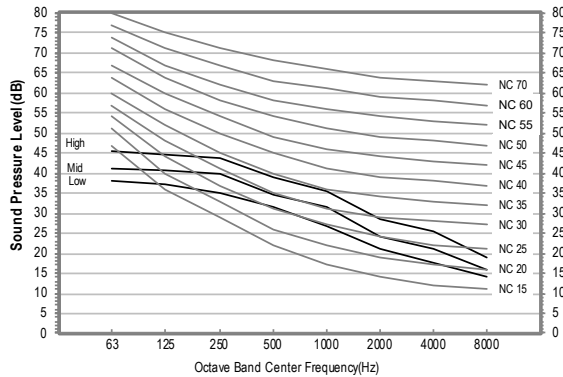
Model	High	Mid	Low
CNG18HDD (AC018DNHDCG/AA)	40	36	32
CNG24HDD (AC024DNHDCG/AA)	41	37	33
CNG30HDD (AC030DNHDCG/AA)	41	37	33
CNG36HDD (AC036DNHDCG/AA)	43	39	35

- NC Curve

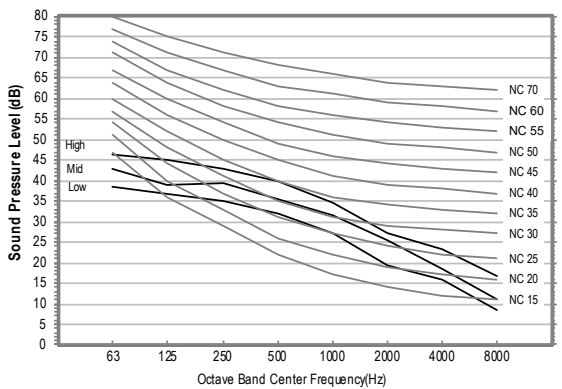
1) CNG18HDD (AC018DNHDCG/AA)



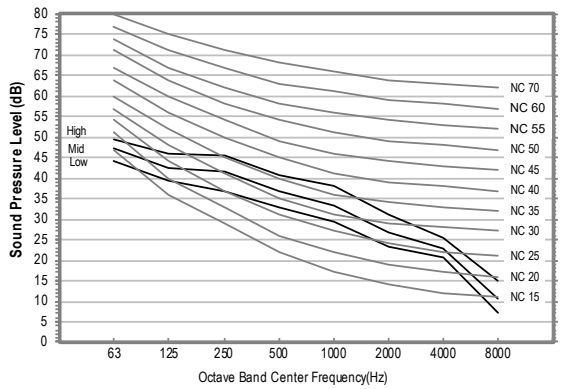
2) CNG24HDD (AC024DNHDCG/AA)



3) CNG18HDD (AC018DNHDCG/AA)



4) CNG36HDD (AC036DNHDCG/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

HSP Duct

Sound Power level



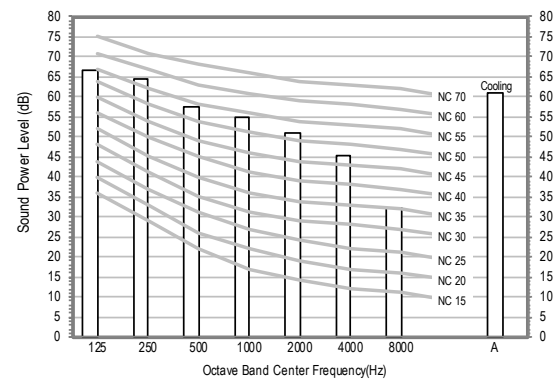
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dB(A) = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

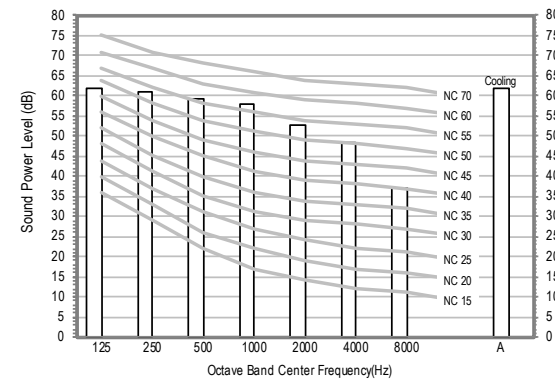
Model	Cooling
CNG18HDD (AC018DNHDCG/AA)	61
CNG24HDD (AC024DNHDCG/AA)	62
CNG30HDD (AC030DNHDCG/AA)	63
CNG36HDD (AC036DNHDCG/AA)	65

- NC Curve

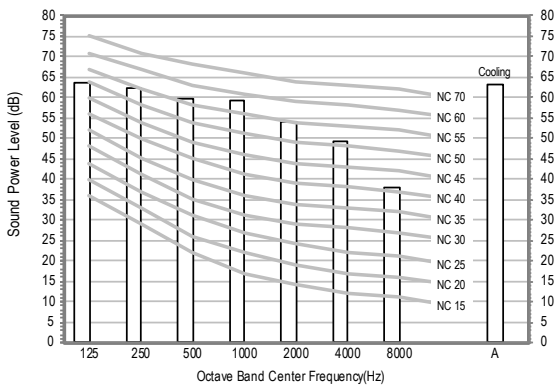
1) CNG18HDD (AC018DNHDCG/AA)



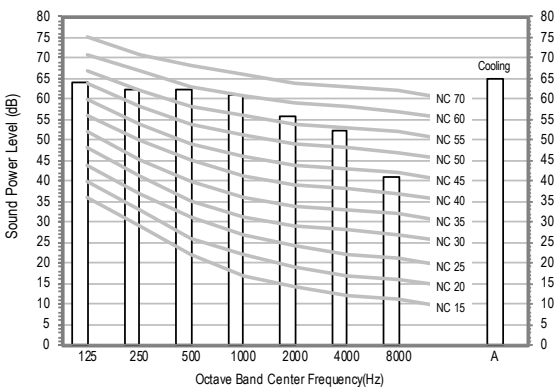
2) CNG24HDD (AC024DNHDCG/AA)



3) CNG18HDD (AC018DNHDCG/AA)



4) CNG36HDD (AC036DNHDCG/AA)

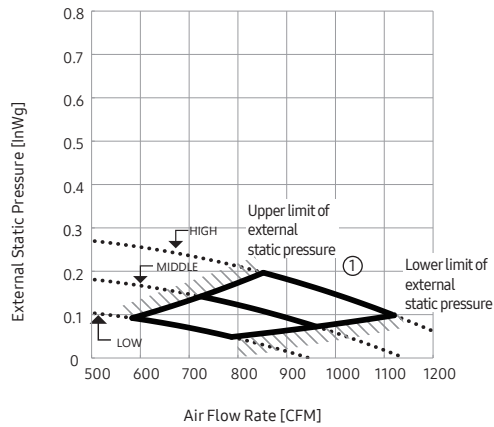


9. Fan Characteristics

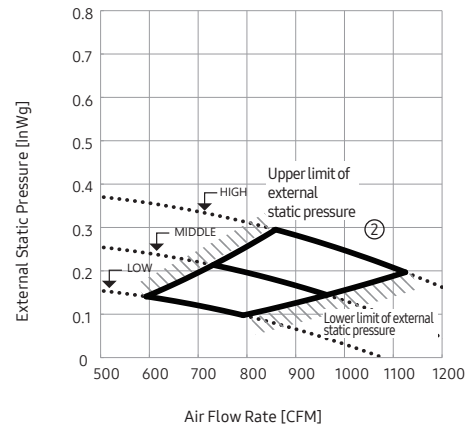
HSP Duct

CNG18HDD (AC018DNHDCG/AA)

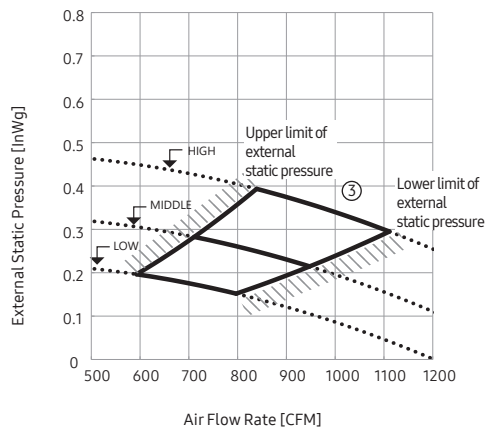
①	External Static Pressure(inWg)	Option Code
	$0.1 \leq P \leq 0.2$	01B3FC-1C5459-27343C-372020



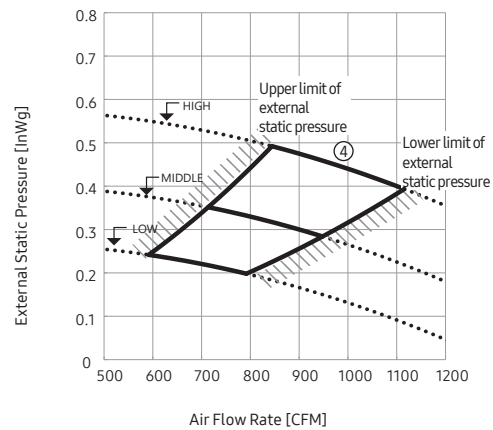
②	External Static Pressure(inWg)	Option Code
	$0.2 < P \leq 0.3$	01B3FC-1C54BD-27343C-372020



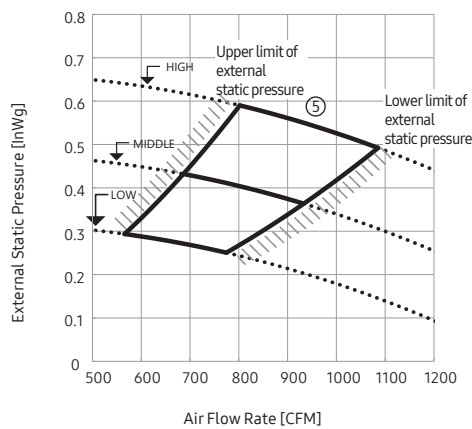
③	External Static Pressure(inWg)	Option Code
	$0.3 < P \leq 0.4$	01B3FC-1C5901-27343C-372020



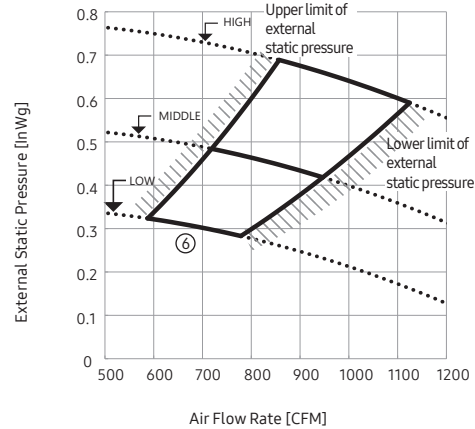
④	External Static Pressure(inWg)	Option Code
	$0.4 < P \leq 0.5$	01B3FC-1C5954-27343C-372020



⑤	External Static Pressure(inWg)	Option Code
	$0.5 < P \leq 0.6$	01B3FC-1C5997-27343C-372020



⑥	External Static Pressure(inWg)	Option Code
	$0.6 < P \leq 0.7$	01B3FC-1C59E9-27343C-372020

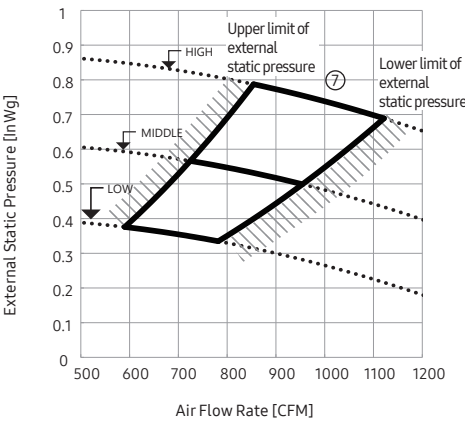


9. Fan Characteristics

HSP Duct

CNG18HDD (AC018DNHDCG/AA)

⑦	External Static Pressure(inWg)	Option Code
	0.7 < P ≤ 0.8	01B3FC-1C5D2C-27343C-372020

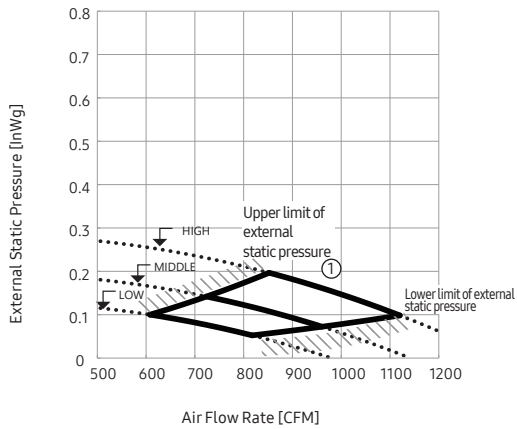


9. Fan Characteristics

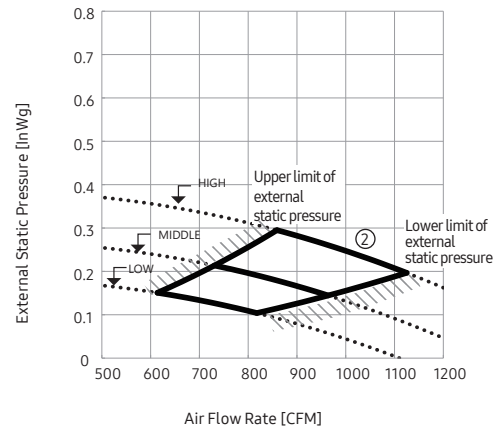
HSP Duct

CNG24HDD (AC024DNHDCG/AA)

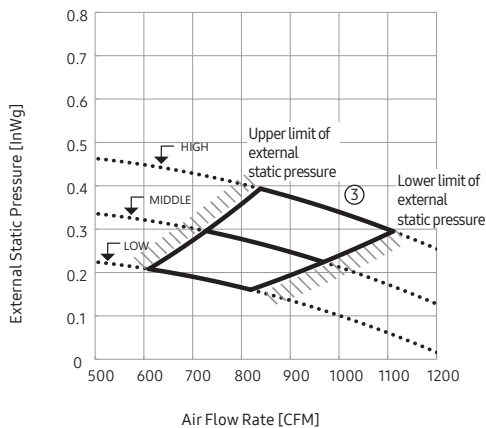
①	External Static Pressure(inWg)	Option Code
	$0.1 \leq P \leq 0.2$	01B3FC-1C545A-27484F-372020



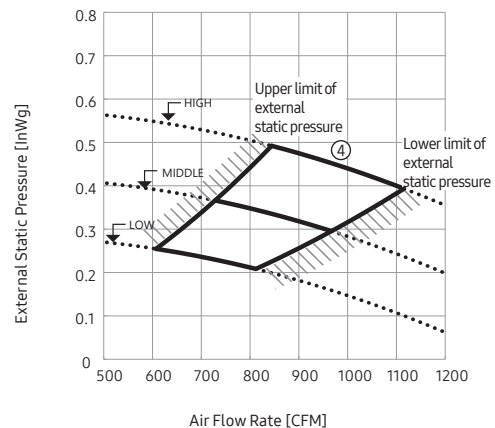
②	External Static Pressure(inWg)	Option Code
	$0.2 < P \leq 0.3$	01B3FC-1C548E-27484F-372020



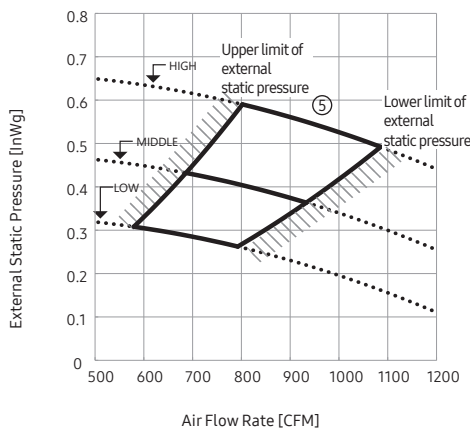
③	External Static Pressure(inWg)	Option Code
	$0.3 < P \leq 0.4$	01B3FC-1C5902-27484F-372020



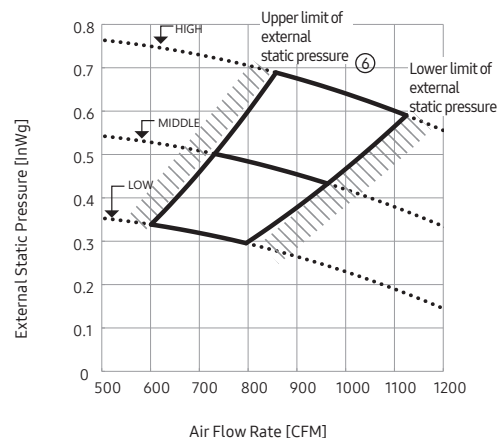
④	External Static Pressure(inWg)	Option Code
	$0.4 < P \leq 0.5$	01B3FC-1C5955-27484F-372020



⑤	External Static Pressure(inWg)	Option Code
	$0.5 < P \leq 0.6$	01B3FC-1C5998-27484F-372020



⑥	External Static Pressure(inWg)	Option Code
	$0.6 < P \leq 0.7$	01B3FC-1C59EA-27484F-372020

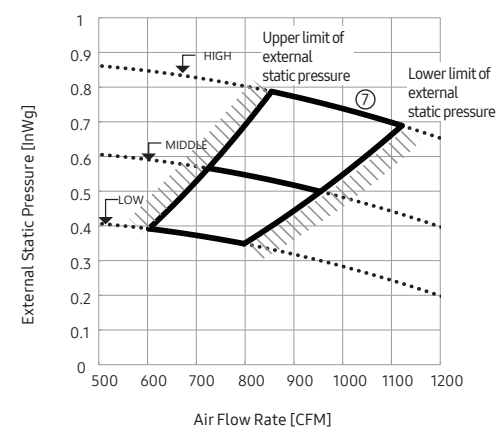


9. Fan Characteristics

HSP Duct

CNG24HDD (AC024DNHDCG/AA)

⑦	External Static Pressure(inWg)	Option Code
	0.7 < P ≤ 0.8	01B3FC-1C5D2D-27484F-372020

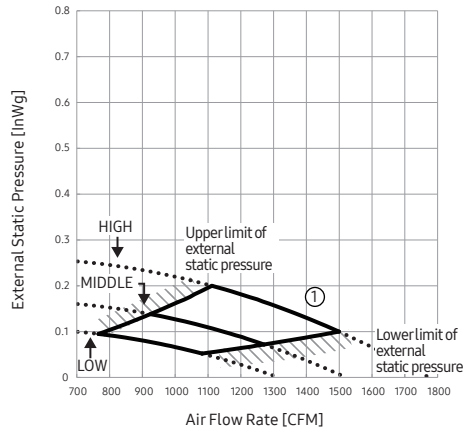


9. Fan Characteristics

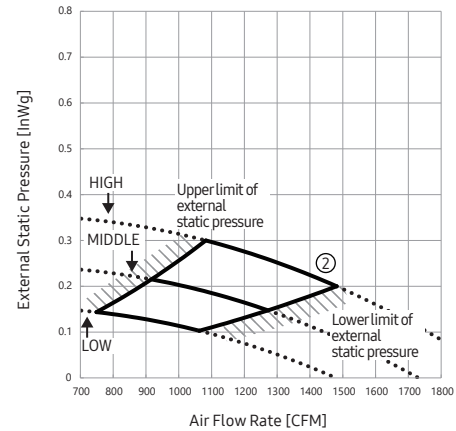
HSP Duct

CNG30HDD (AC030DNHDCG/AA)

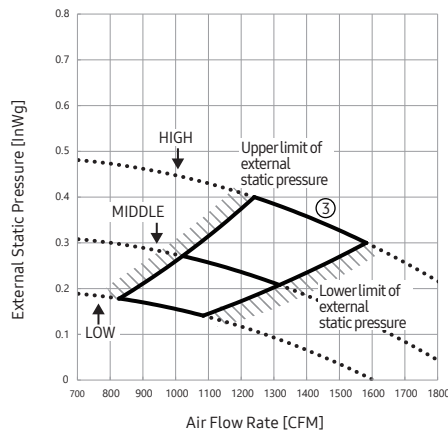
①	External Static Pressure(inWg)	Option Code
	$0.1 \leq P \leq 0.2$	01B3FC-1C5405-275A66-372045



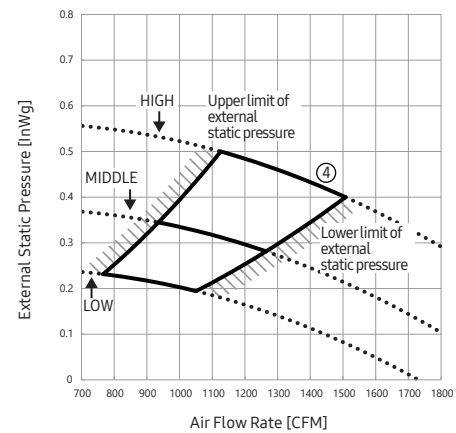
②	External Static Pressure(inWg)	Option Code
	$0.2 < P \leq 0.3$	01B3FC-1C5459-275A66-372045



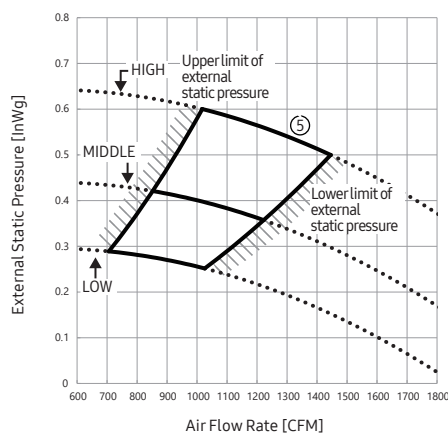
③	External Static Pressure(inWg)	Option Code
	$0.3 < P \leq 0.4$	01B3FC-1C54AC-275A66-372045



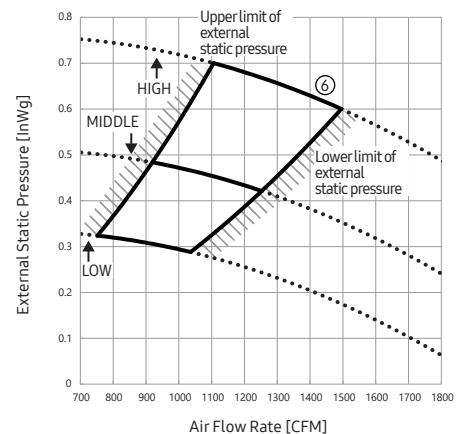
④	External Static Pressure(inWg)	Option Code
	$0.4 < P \leq 0.5$	01B3FC-1C54EF-275A66-372045



⑤	External Static Pressure(inWg)	Option Code
	$0.5 < P \leq 0.6$	01B3FC-1C5912-275A66-372045



⑥	External Static Pressure(inWg)	Option Code
	$0.6 < P \leq 0.7$	01B3FC-1C5954-275A66-372045

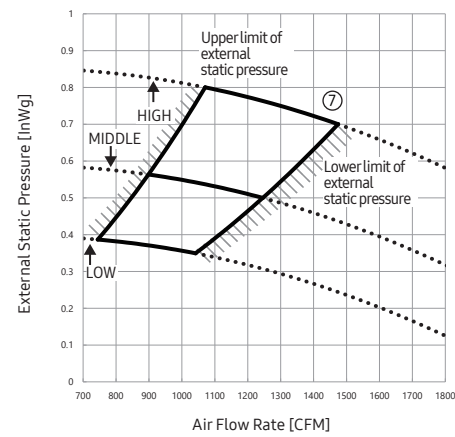


9. Fan Characteristics

HSP Duct

CNG30HDD (AC030DNHDCG/AA)

⑦	External Static Pressure(inWg)	Option Code
	0.7 < P ≤ 0.8	01B3FC-1C5987-275A66-372045

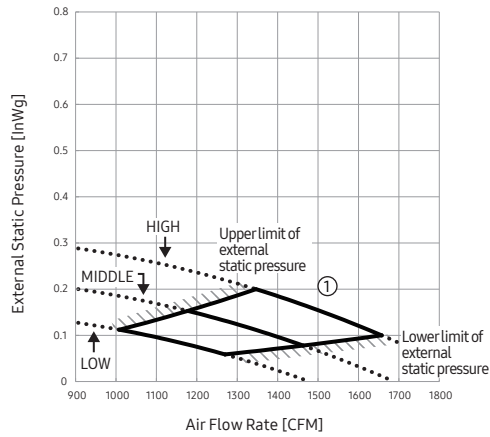


9. Fan Characteristics

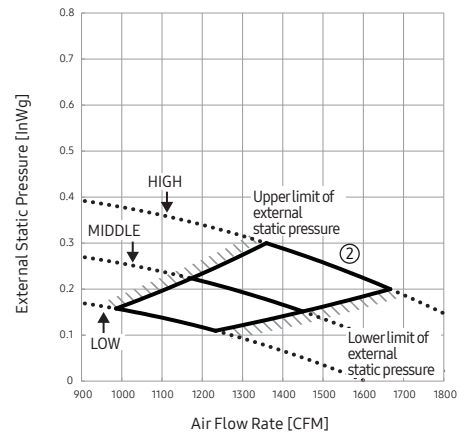
HSP Duct

CNG36HDD (AC036DNHDCG/AA)

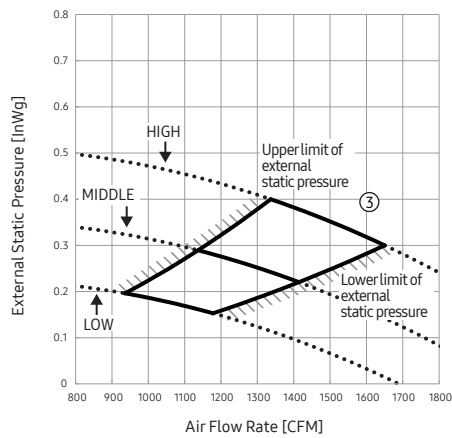
①	External Static Pressure(inWg)	Option Code
	$0.1 \leq P \leq 0.2$	01B3FC-1C5439-276975-372045



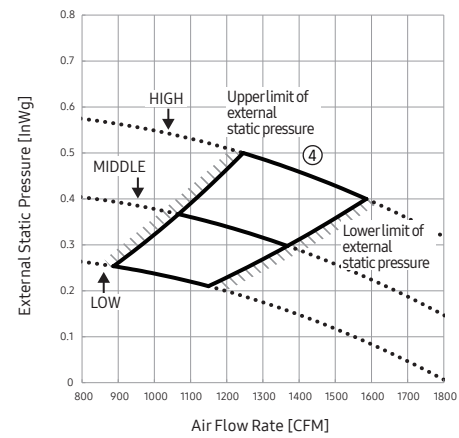
②	External Static Pressure(inWg)	Option Code
	$0.2 < P \leq 0.3$	01B3FC-1C548C-276975-372045



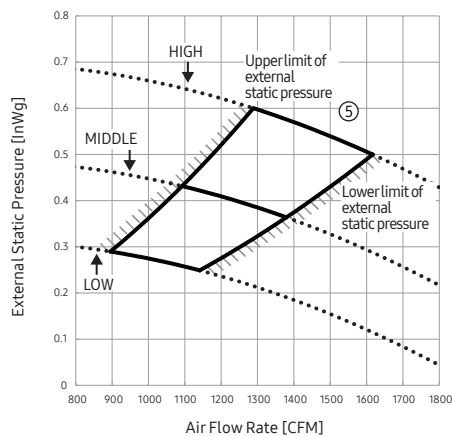
③	External Static Pressure(inWg)	Option Code
	$0.3 < P \leq 0.4$	01B3FC-1C54CE-276975-372045



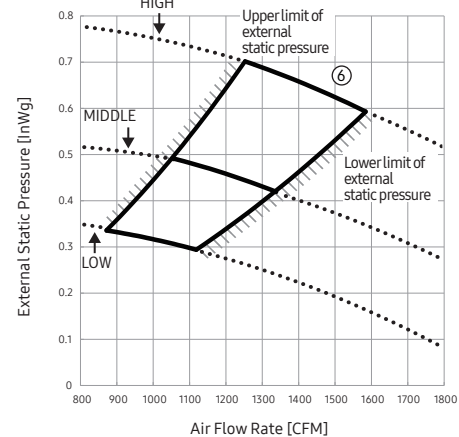
④	External Static Pressure(inWg)	Option Code
	$0.4 < P \leq 0.5$	01B3FC-1C55F1-276975-372045



⑤	External Static Pressure(inWg)	Option Code
	$0.5 < P \leq 0.6$	01B3FC-1C5933-276975-372045



⑥	External Static Pressure(inWg)	Option Code
	$0.6 < P \leq 0.7$	01B3FC-1C5965-276975-372045

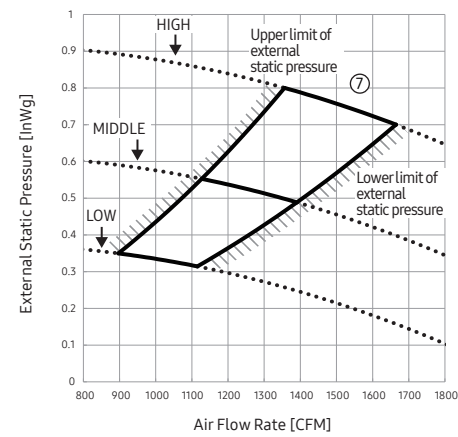


9. Fan Characteristics

HSP Duct

CNG36HDD (AC036DNHDCG/AA)

⑦	External Static Pressure(inWg)	Option Code
	0.7 < P ≤ 0.8	01B3FC-1C59A6-276975-372045



Outdoor Units

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1. Summary Table

Outdoor Units

Performance Characteristics

Capacity (Btu/h)	Model Code	Net Size (WxHxD inch)	Net Weight (lbs)	Airflow (CFM)	Sound Pressure Level (dBA)		Sound Power Level (dBA)
					Cooling	Heating	
18,000	CXF18SCD (AC018DXSCCF/AA)	34.65 x 25.12 x 12.20	88.2	1,766	48	-	62
24,000	CXF24SCD (AC024DXSCCF/AA)	34.65 x 31.42 x 12.20	101.4	2,154	50	-	65
30,000	CXF30SCD (AC030DXSCCF/AA)	37.01 x 39.29 x 12.99	156.5	2,684	52	-	67
36,000	CXF36SCD (AC036DXSCCF/AA)	37.01 x 39.29 x 12.99	156.5	2,684	54	-	69

 NOTE

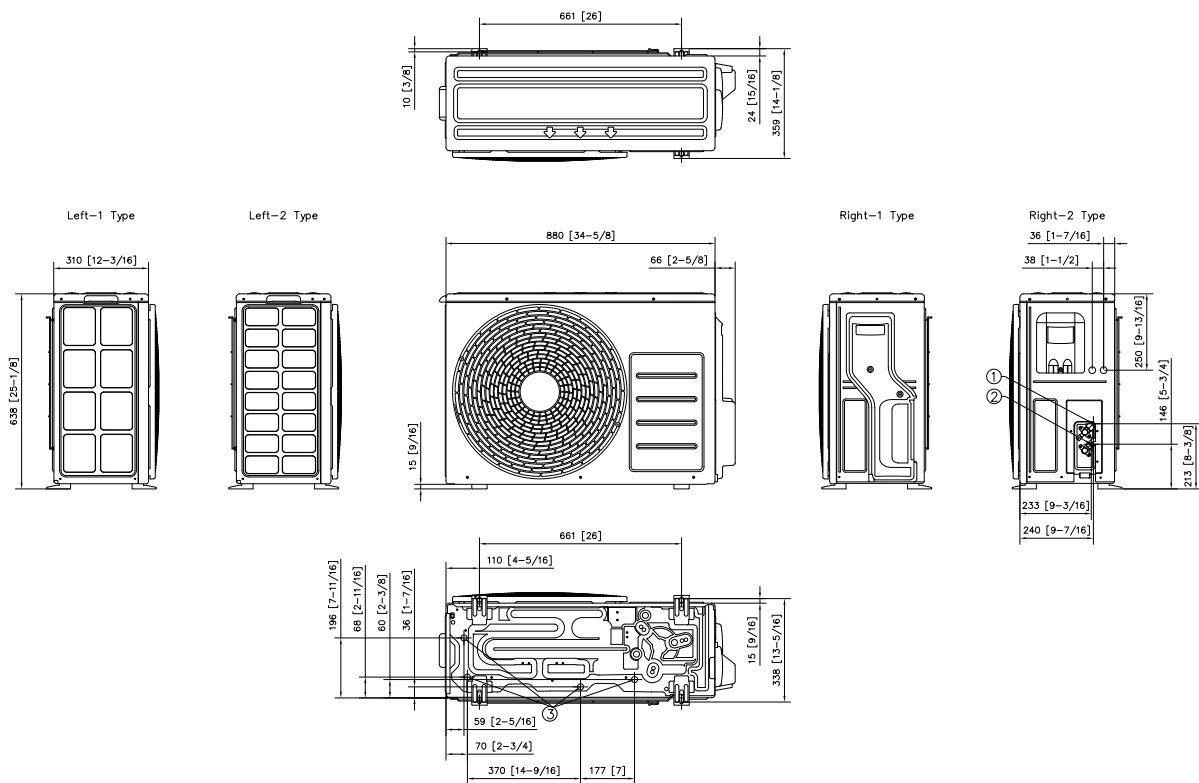
- Sound power level is based on cooling operation.

2. Dimensional Drawing

Outdoor Units

CXF18SCD (AC018DXSCCF/AA)

Units : mm [inches]



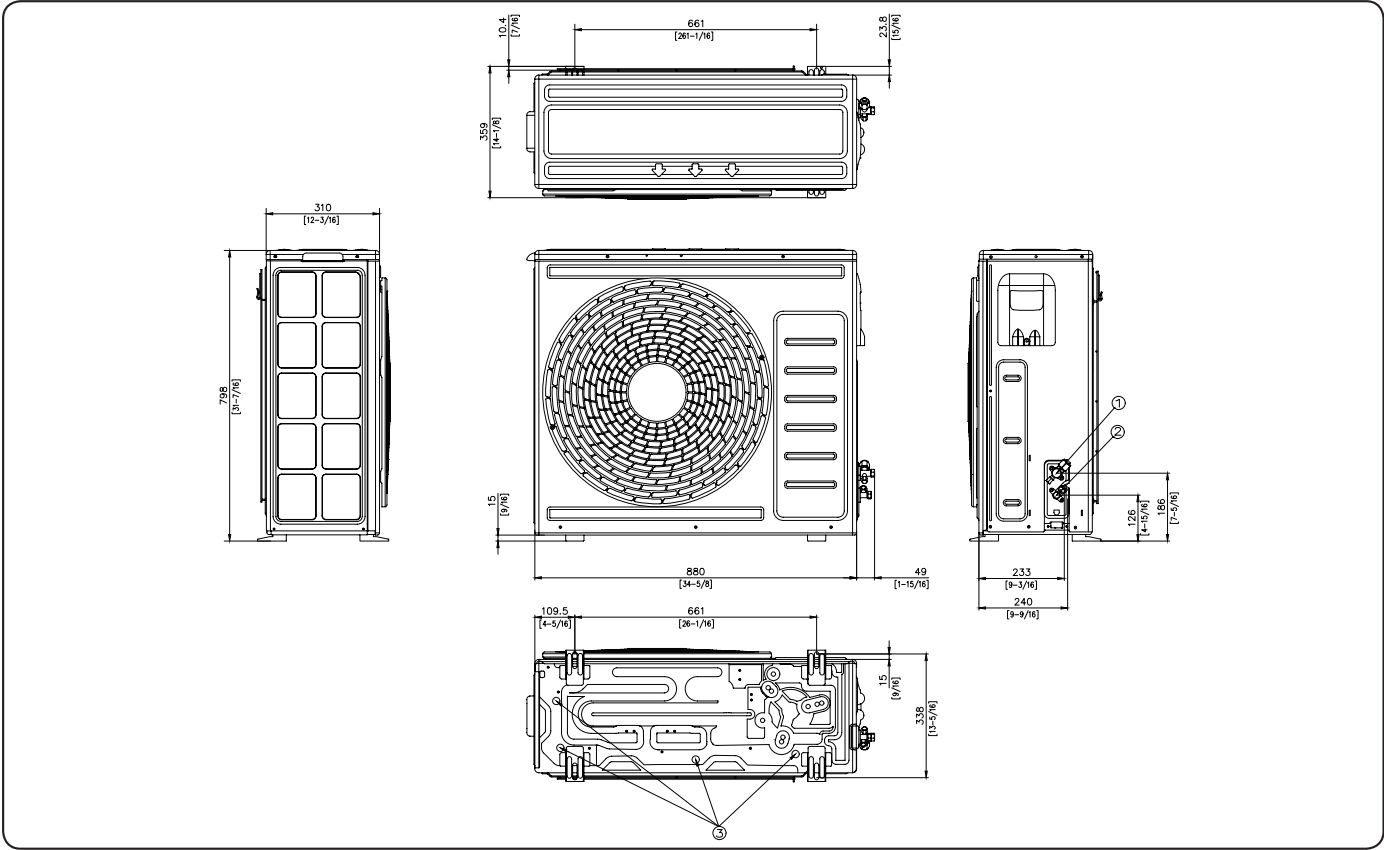
No.	Name	Description
1	Gas pipe connection	Φ 12.7 (1/2)
2	Liquid pipe connection	Φ 6.35 (1/4)
3	Drain pipe connection	

2. Dimensional Drawing

Outdoor Units

CXF24SCD (AC024DXSCCF/AA)

Units : mm [inches]



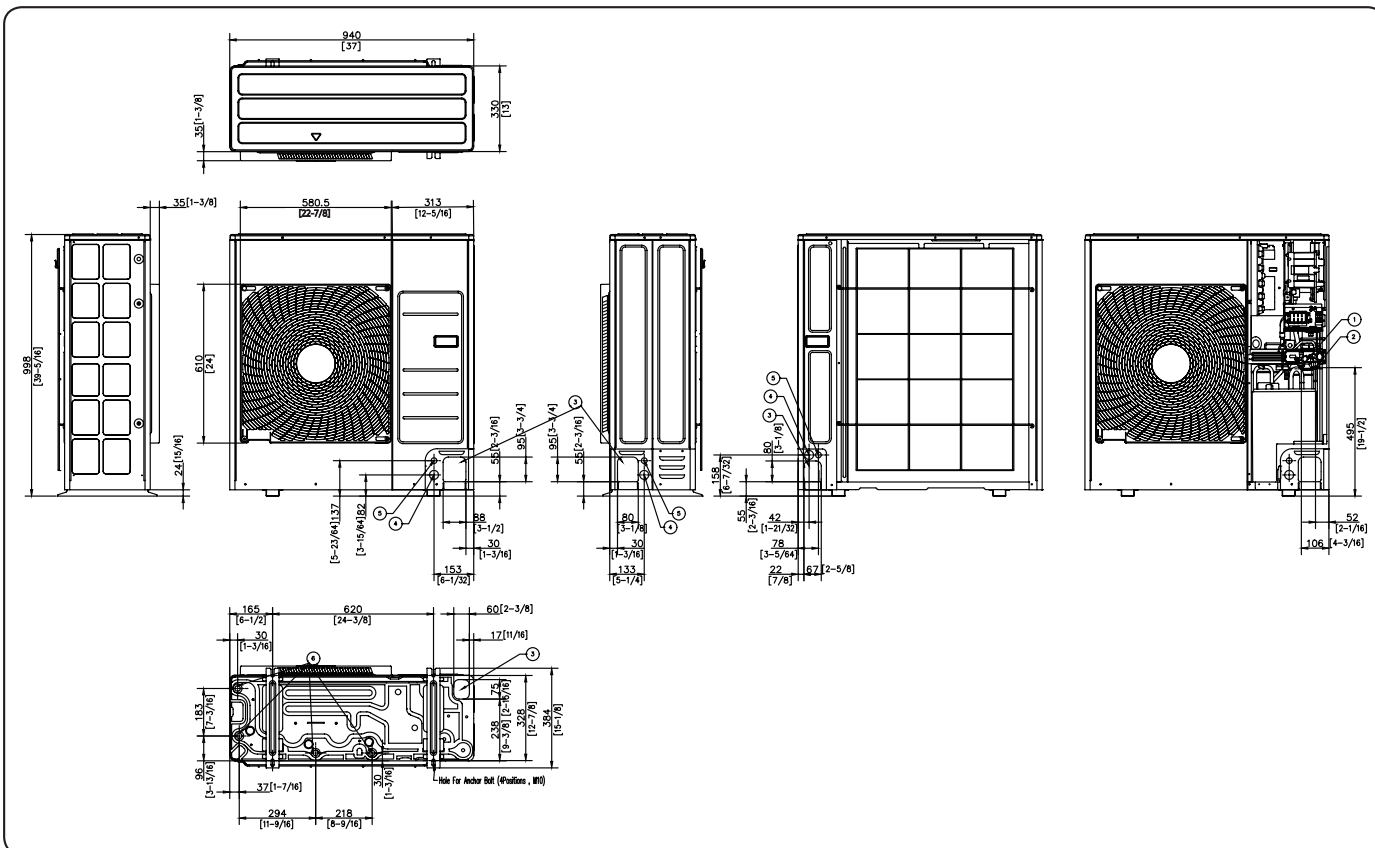
No.	Name	Description
1	Gas pipe connection	Φ 15.88 (5/8)
2	Liquid pipe connection	Φ 6.35 (1/4)
3	Drain pipe connection	

2. Dimensional Drawing

Outdoor Units

CXF30SCD (AC030DXSCCF/AA), CXF36SCD (AC036DXSCCF/AA)

Units : mm [inches]



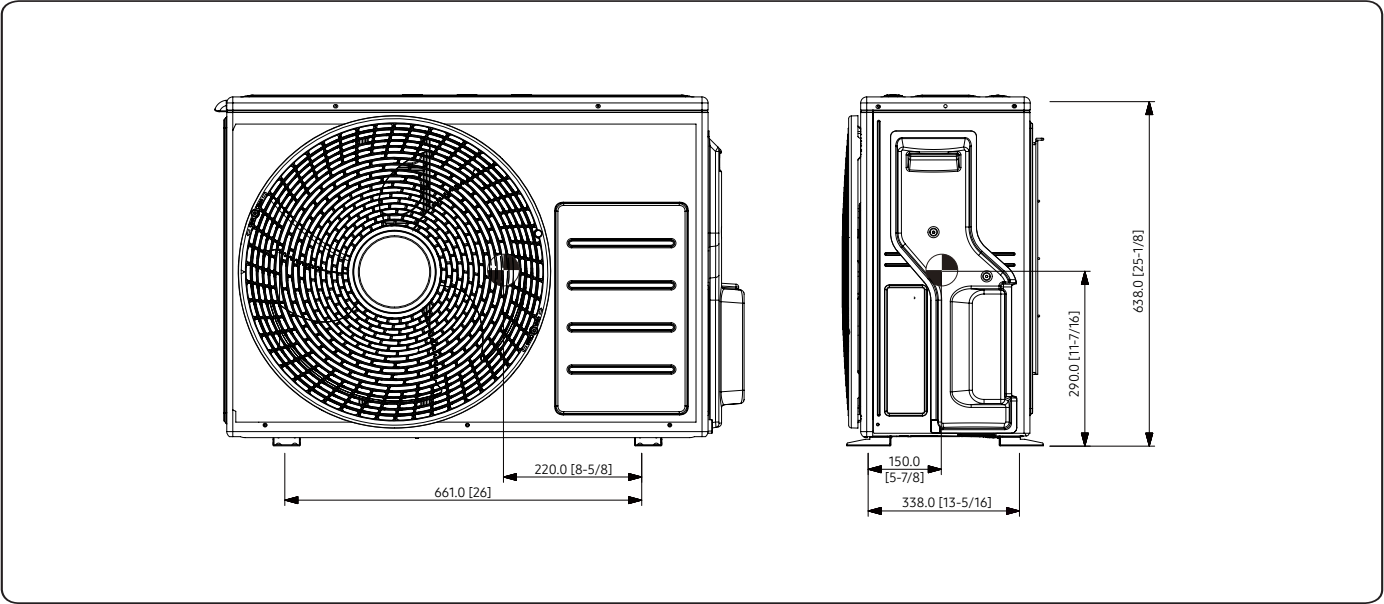
No.	Name	Description
1	Liquid pipe connection	Φ 9.52 (3/8)
2	Gas pipe connection	Φ 15.88 (5/8)
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Rear , Φ 34(1-3/8)
5	Communication wiring conduit	Front / Side / Rear , Φ 22(7/8)
6	Drain Hole	Connect with the provided drain plug

3. Center of Gravity

Outdoor Units

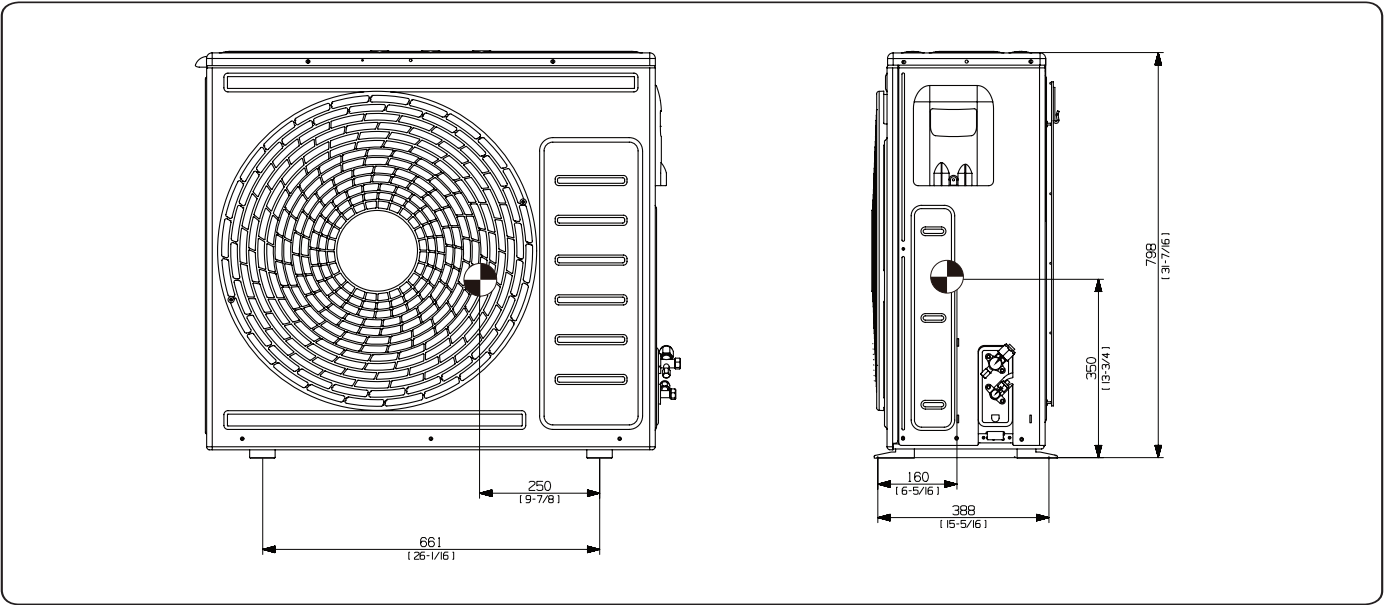
CXF18SCD (AC018DXSCCF/AA)

Units : mm [inches]



CXF24SCD (AC024DXSCCF/AA)

Units : mm [inches]

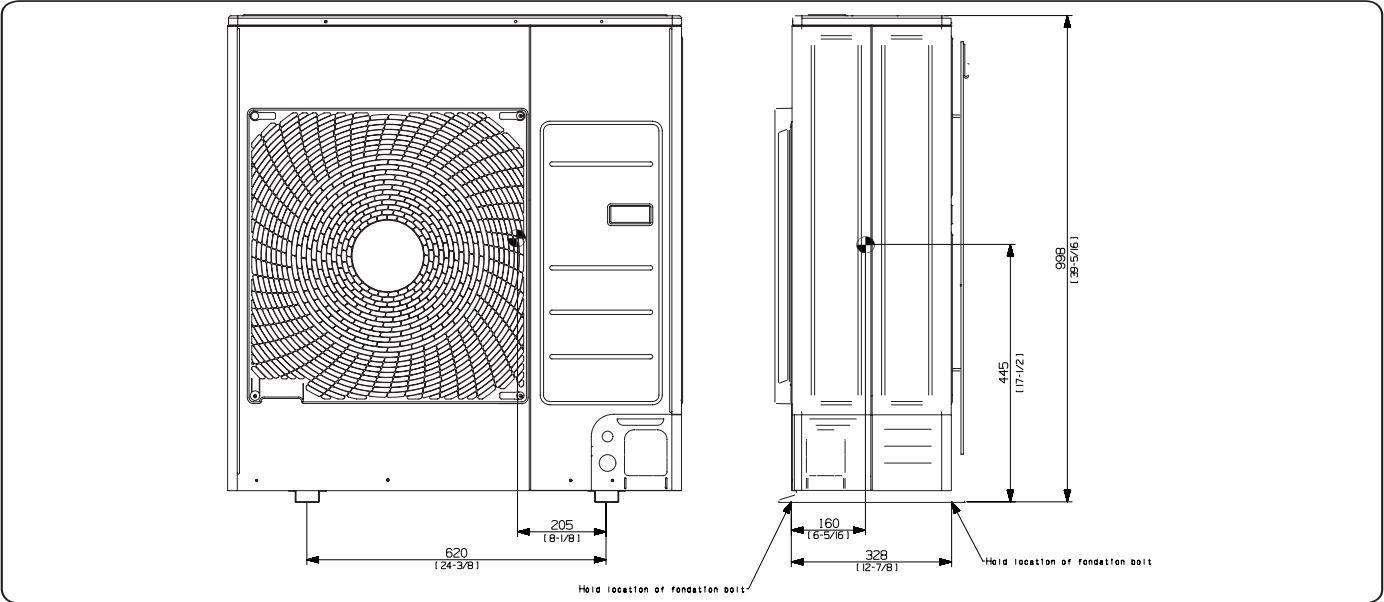


3. Center of Gravity

Outdoor Units

CXF30SCD (AC030DXSCCF/AA), CXF36SCD (AC036DXSCCF/AA)

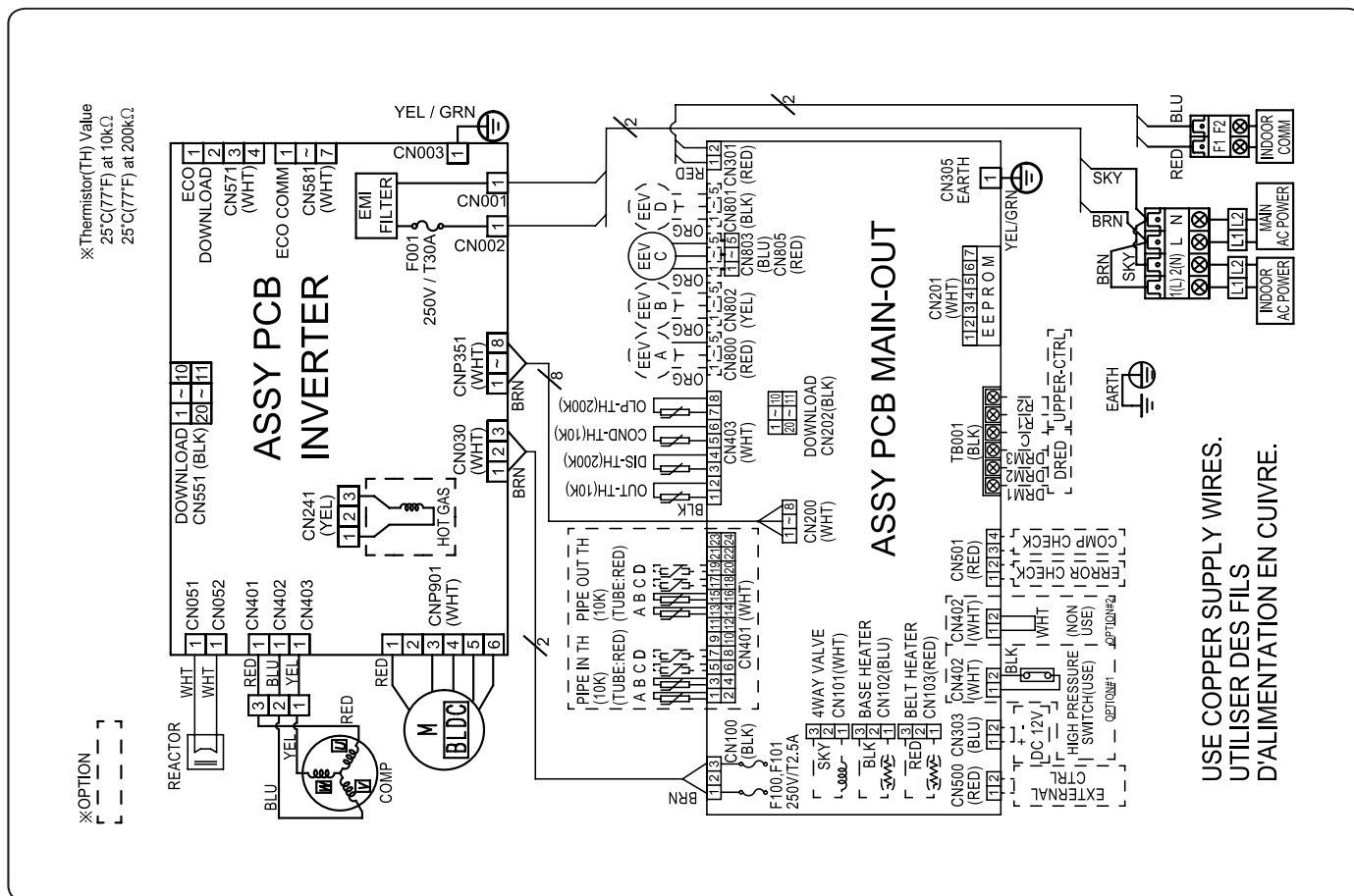
Units : mm [inches]



4. Electrical Wiring Diagram

Outdoor Units

CXF18SCD (AC018DXSCCF/AA), CXF24SCD (AC024DXSCCF/AA)



ERROR CHECK	Contact output port for error check	OUT-TH(10K)	OUTDOOR TEMPERATURE SENSOR	EEV	Electronic Expansion Valve
COMP CHECK	Contact output port for compressor operation check	DIS-TH(200K)	DISCHARGE TEMPERATURE SENSOR	EXTERNAL CRTL	Input port for external contact control
INDOOR ROOM(10K)	Thermistor - Indoor Room	COND-TH(10K)	CONDENSOR TEMPERATURE SENSOR	F100, F101	Fuse
PIPE IN TH(10K)	Thermistor - ODU PIPE IN	OLP-TH(200K)	OLP TEMPERATURE SENSOR	M-BLDC	Motor for outdoor Fan
PIPE OUT TH(10K)	Thermistor - ODU PIPE OUT	DISPLAY	Panel LED display		

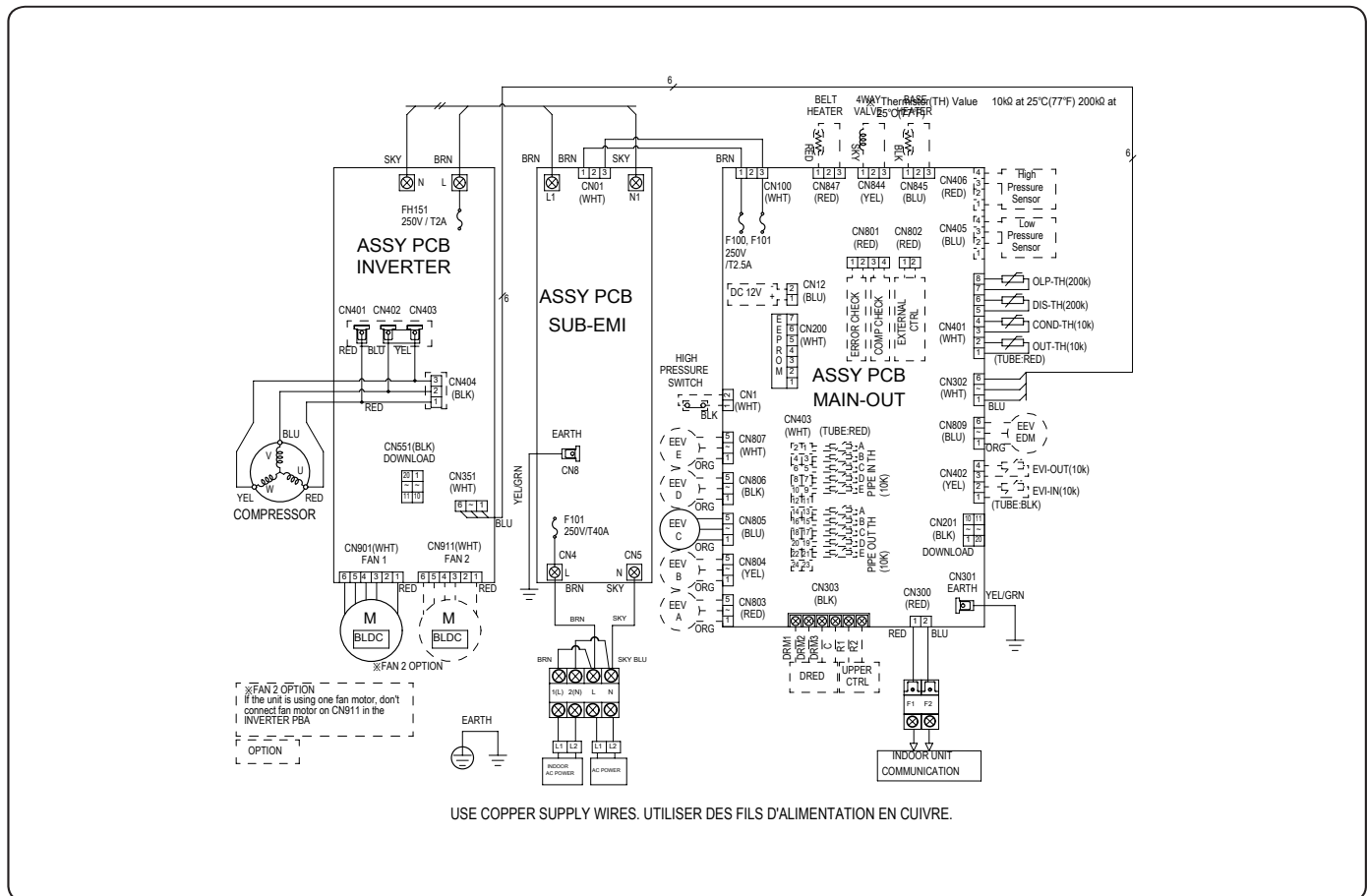
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.
- ⏏ Protective earth(screw), □□□□ : connector, ✂ : The wire quantity

4. Electrical Wiring Diagram

Outdoor Units

CXF30SCD (AC030DXSCCF/AA), CXF36SCD (AC036DXSCCF/AA)



M-BLDC	Motor for outdoor Fan	PIPE IN TH(10K)	Thermistor - ODU PIPE IN	EEV	Electronic Expansion Valve
ERROR CHECK	Contact output port for error check	PIPE OUT TH(10K)	Thermistor - ODU PIPE OUT	EXTERNAL CRTL	Input port for external contact control
COMP CHECK	Contact output port for compressor operation check	OUT-TH(10K)	OUTDOOR TEMPERATURE SENSOR	F100, F101	Fuse
INDOOR ROOM(10K)	Thermistor - Indoor Room	DIS-TH(200K)	DISCHARGE TEMPERATURE SENSOR	DISPLAY	Panel LED display
EVI-IN(10K)	ESC IN TEMPERATURE SENSOR	COND-TH(10K)	CONDENSOR TEMPERATURE SENSOR		
EVI-OUT(10K)	ESC OUT TEMPERATURE SENSOR	OLP-TH(200K)	OLP TEMPERATURE SENSOR		

NOTE

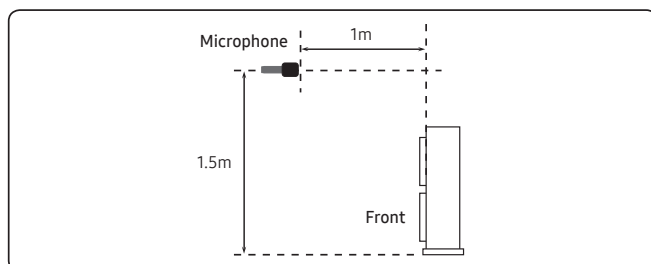
- This wiring diagram applies only to the outdoor unit.
- Colors blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.
- ⏏ Protective earth(screw), □□□□ : connector, $\frac{N}{\text{wire}}$: The wire quantity

5. Sound Data

Outdoor Units

Sound Pressure level

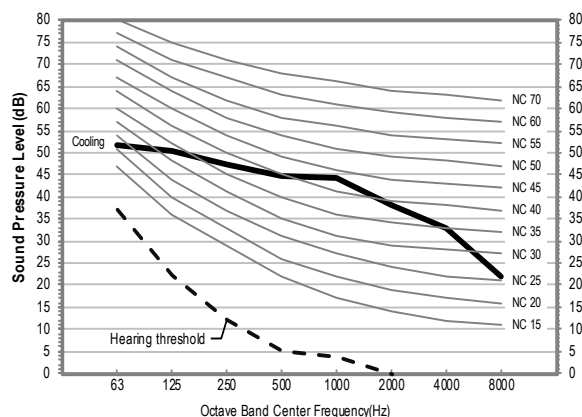
Unit: dB(A)



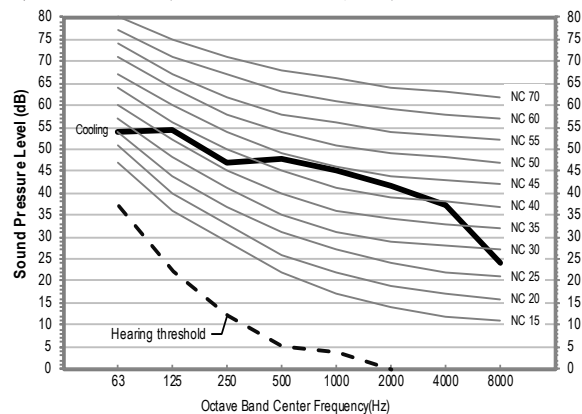
Model	Cooling	Heating
CXF18SCD (AC018DXSCCF/AA)	48	-
CXF24SCD (AC024DXSCCF/AA)	50	-
CXF30SCD (AC030DXSCCF/AA)	52	-
CXF36SCD (AC036DXSCCF/AA)	54	-

• NC Curve

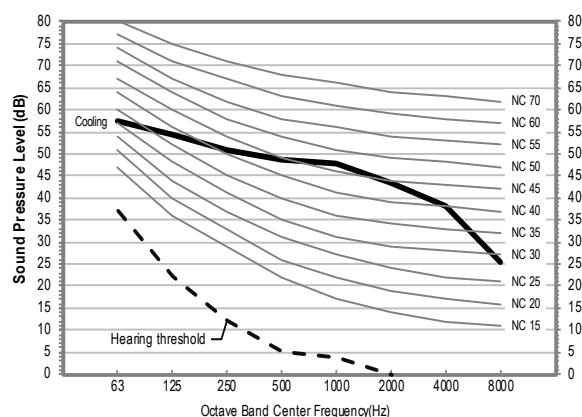
1) CXF18SCD (AC018DXSCCF/AA)



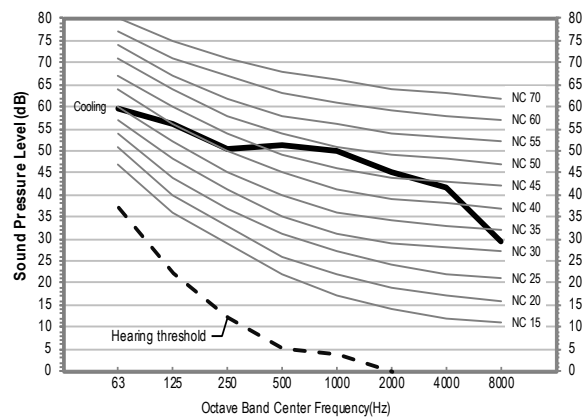
2) CXF24SCD (AC024DXSCCF/AA)



3) CXF30SCD (AC030DXSCCF/AA)



4) CXF36SCD (AC036DXSCCF/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

5. Sound Data

Outdoor Units

Sound Power level



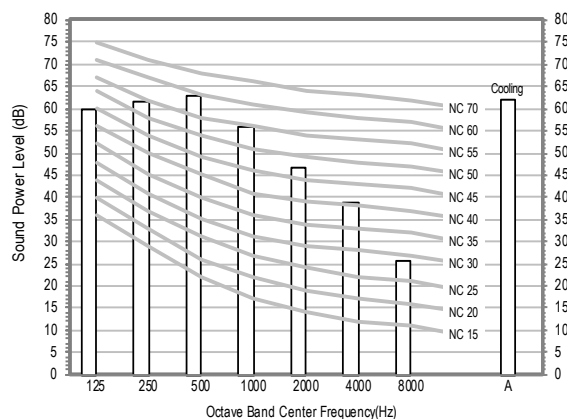
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dB(A) = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

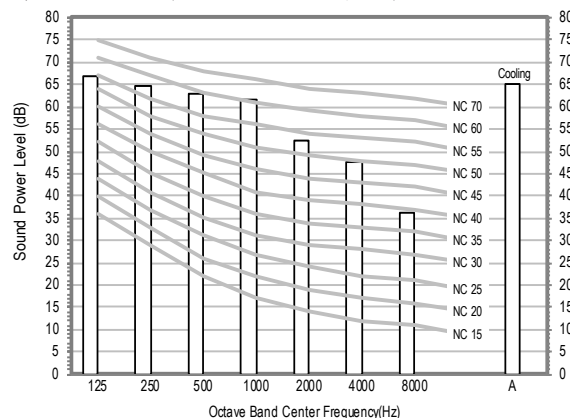
Model	Cooling
CXF18SCD (AC018DXSCCF/AA)	62
CXF24SCD (AC024DXSCCF/AA)	65
CXF30SCD (AC030DXSCCF/AA)	67
CXF36SCD (AC036DXSCCF/AA)	69

- NC Curve

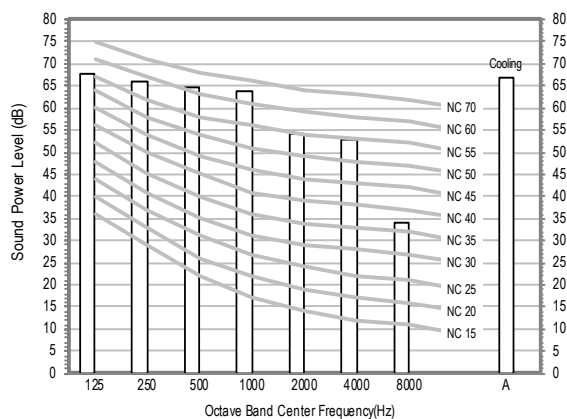
1) CXF18SCD (AC018DXSCCF/AA)



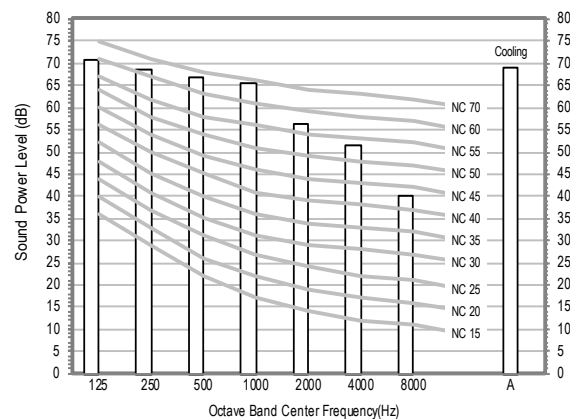
2) CXF24SCD (AC024DXSCCF/AA)



3) CXF30SCD (AC030DXSCCF/AA)



4) CXF36SCD (AC036DXSCCF/AA)

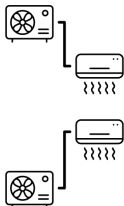


6. Capacity Correction

Outdoor Units

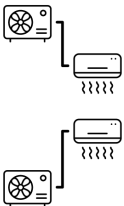
CXF18SCD (AC018DXSCCF/AA)

Cooling

		Pipe Length (ft)						
		24.6	32.8	49.2	65.6	82.0	98.4	
	Level Difference (ft)	65.6	-	-	-	0.97	0.96	0.95
		49.2	-	-	0.98	0.97	0.96	0.95
		32.8	-	0.99	0.98	0.97	0.96	0.95
		16.4	1.00	0.99	0.98	0.97	0.96	0.95
		0.0	1.00	0.99	0.98	0.97	0.96	0.95
		-16.4	1.00	0.99	0.98	0.97	0.96	0.94
		-32.8	-	0.98	0.97	0.96	0.95	0.93
		-49.2	-	-	0.97	0.96	0.95	0.92
		-65.6	-	-	-	0.96	0.94	0.91

CXF24SCD (AC024DXSCCF/AA), CXF30SCD (AC030DXSCCF/AA), CXF36SCD (AC036DXSCCF/AA)

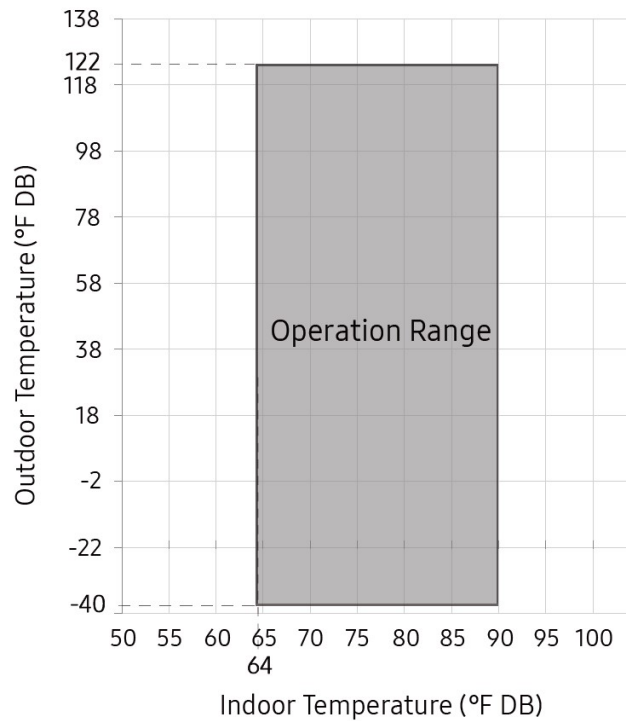
Cooling

		Pipe Length (ft)									
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0
	Level Difference (ft)	98.4	-	-	-	-	0.95	0.94	0.93	0.92	0.90
		82.0	-	-	-	0.96	0.95	0.94	0.93	0.92	0.90
		65.6	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.90
		49.2	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.90
		32.8	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.90
		16.4	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.90
		0.0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.90
		-16.4	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.88
		-32.8	-	0.98	0.97	0.96	0.95	0.94	0.92	0.91	0.87
		-49.2	-	-	0.97	0.96	0.94	0.93	0.92	0.90	0.85
		-65.6	-	-	0.95	0.94	0.93	0.91	0.89	0.87	0.83
		-82.0	-	-	-	0.94	0.92	0.91	0.89	0.86	0.82
		-98.4	-	-	-	-	0.92	0.90	0.88	0.85	0.80

7. Operation Range

Outdoor Units

Cooling



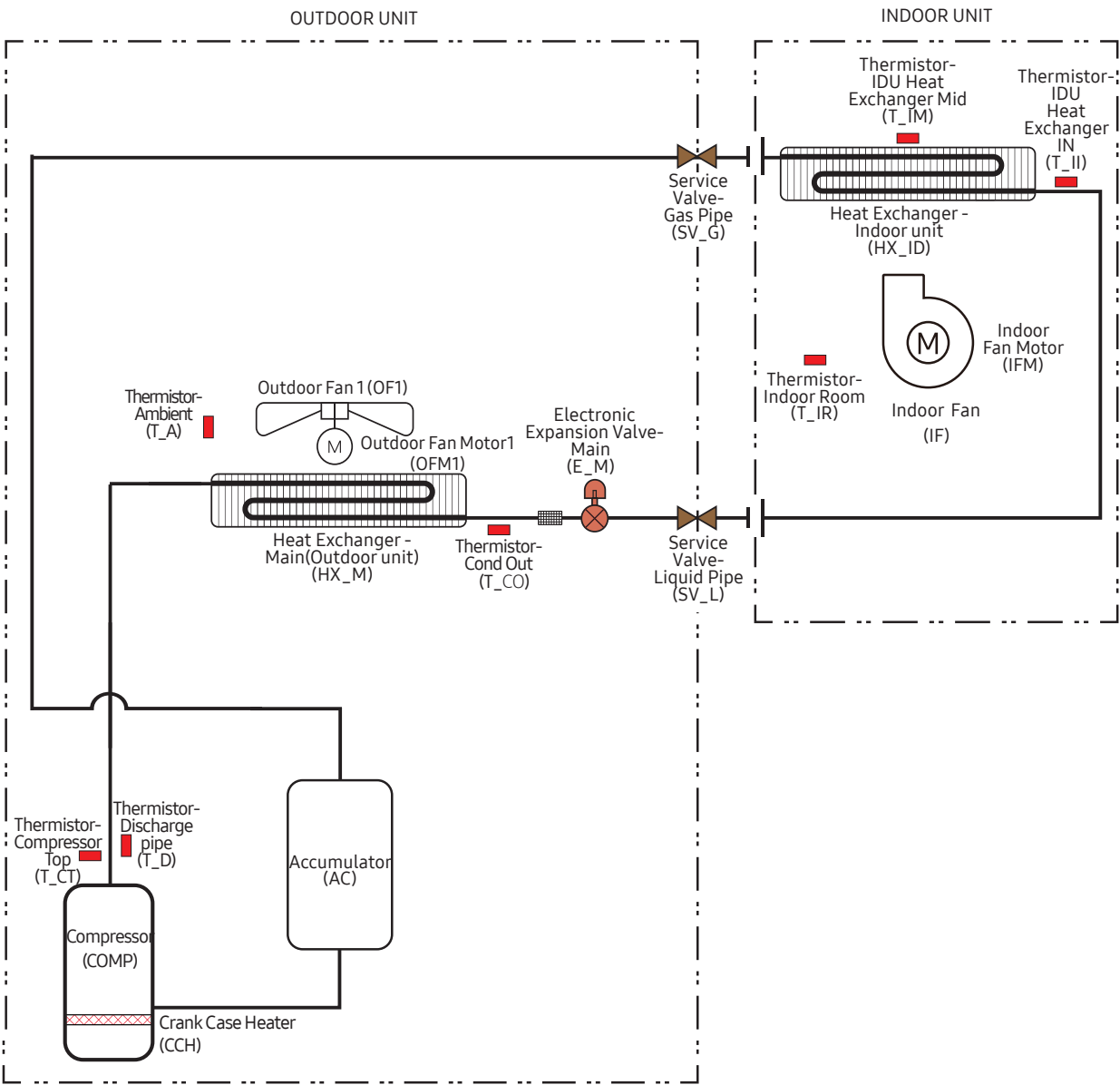
NOTE

- The assumed installation conditions are follows
 - The pipe length(including elbow) is 7.5m(24.6ft).
 - The level difference is 0 m.

8. Piping Diagram

Outdoor Units

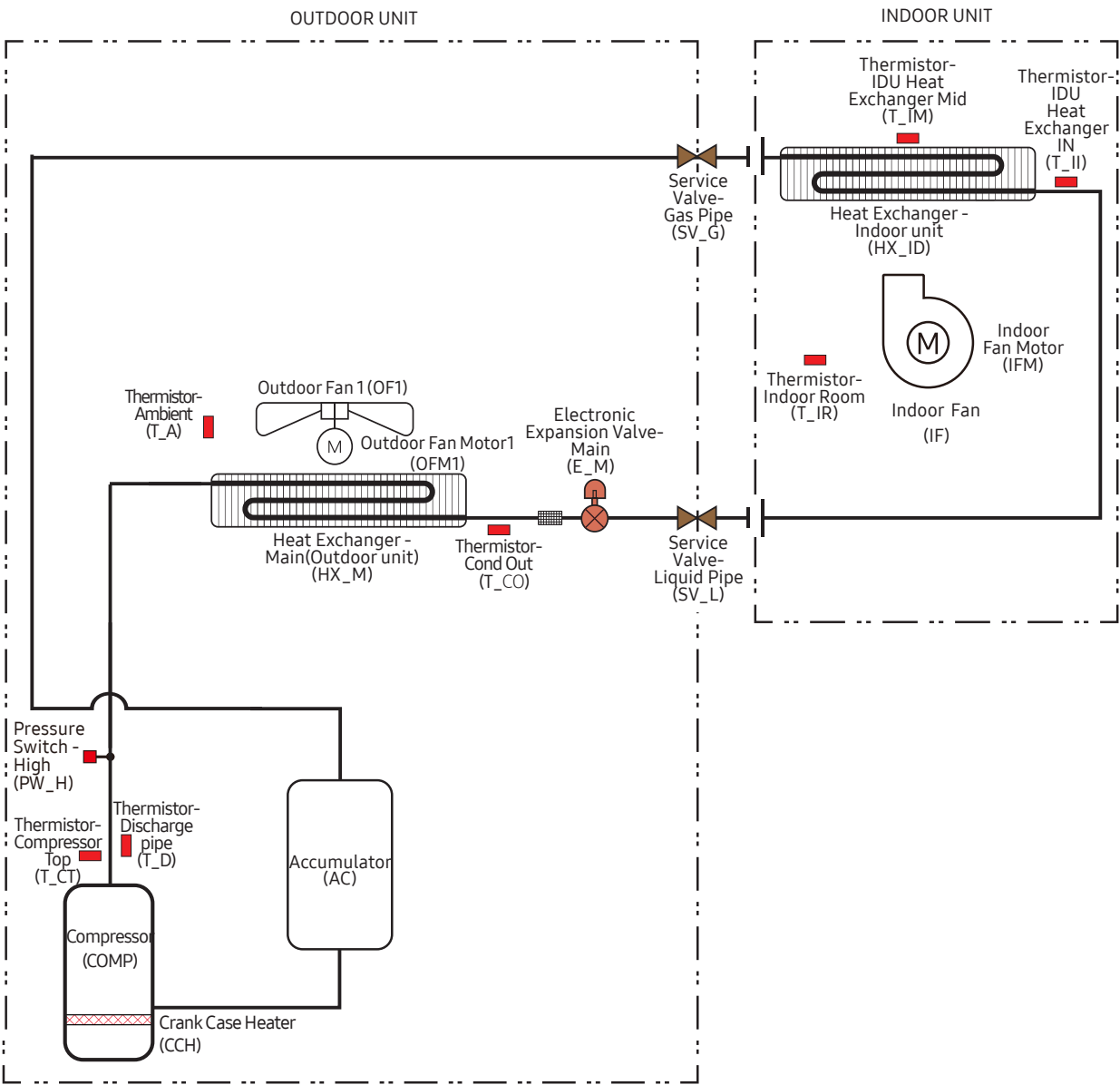
CNG18HDD (AC018DNHDCG/AA) + CXF18SCD (AC018DXSCCF/AA)



8. Piping Diagram

Outdoor Units

CNG24HDD (AC024DNHDCG/AA) + CXF24SCD (AC024DXSCCF/AA)

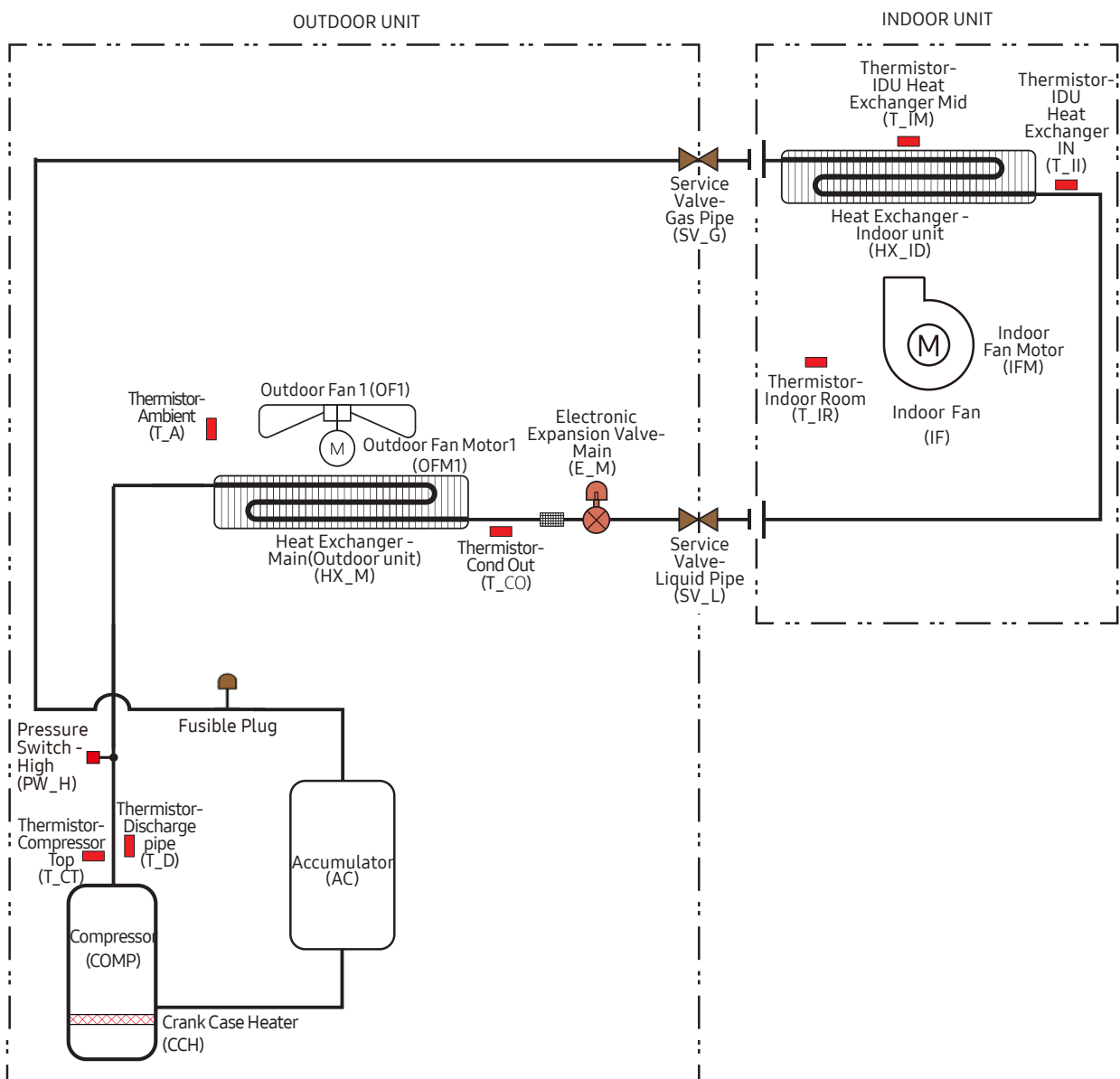


8. Piping Diagram

Outdoor Units

CNG30HDD (AC030DNHDCG/AA) + CXF30SCD (AC030DXSCCF/AA)

CNG36HDD (AC036DNHDCG/AA) + CXF36SCD (AC036DXSCCF/AA)





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Ver.1.1

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