

SAMSUNG

VRF

Technical

Data Book

Duct S for North America
(R410A, 60Hz)



Model : AM***AN*DCH/AA

History

Version	Modification	Date	Remark
Ver.1.0	Release Duct S TDB for North America	20. 09. 30	
Ver.1.1	Updated the Fan Characteristics pages	21.01.28	

Nomenclature

Indoor Unit

Model Name

AM	007	A	N	M	D	C	H	/	AA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	VRF
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(2) Capacity

kBtu/h (3 digits)

(3) Version

A	2021
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(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1 Way Cassette
N	4 Way Cassette (600x600)
4	4 Way Cassette, 360 Cassette
H	HSP Duct
M	MSP Duct
C	Ceiling
J	Console
A	A3050 (Wall Mounted)

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

C	1Ø, 208~230V, 60Hz
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(8) Mode

H	Heat Pump
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Features & Benefits

Duct S

Overview

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

Experience performance and convenient comfort for any weather condition

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



Smart pressure control

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

Convenient installation

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

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

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

Line-up

Indoor units

Duct S	Capacity (kBtu/h)										
	6.3	7.5	9.5	12	15	18	24	27	30	36	48
Duct S											

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1. Specification

Duct S

Model Name				AM006ANMDCH/AA	AM007ANMDCH/AA	AM009ANMDCH/AA	AM012ANMDCH/AA
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			-	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Ton		Ton	0.53	0.58	0.75	1.00
	Capacity	Cooling	kW	1.85	2.20	2.78	3.52
			Btu/h	6,300	7,500	9,500	12,000
			US RT	0.53	0.58	0.75	1.00
		Heating	kW	2.08	2.49	3.08	3.96
			Btu/h	7,100	8,500	10,500	13,500
			US RT	0.59	0.64	0.78	1.01
Power	Power Input	Cooling	W	38	38	39	39
		Heating		38	38	39	39
	Current Input	Cooling	A	0.30	0.30	0.30	0.30
		Heating		0.30	0.30	0.30	0.30
	Current	MCA	A	0.91	0.91	0.91	0.91
		MOP		15	15	15	15
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	AL	AL	AL	AL
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	hydrophilic	hydrophilic	hydrophilic	hydrophilic
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2	2	2
	Air Flow Rate	H/M/L	m³/min	9 / 8 / 7	9 / 8 / 7	10 / 9 / 8	12 / 10 / 8.5
			ft³/min	318 / 283 / 247	318 / 283 / 247	353 / 318 / 283	424 / 353 / 300
			l/s	150 / 133 / 117	150 / 133 / 117	167 / 150 / 133	200 / 167 / 142
	External Pressure	Min/Std/Max	mmAq	0 / 1 / 15	0 / 1 / 15	0 / 1 / 15	0 / 1 / 15
			Pa	0.0 / 9.8 / 147.1	0.0 / 9.8 / 147.1	0.0 / 9.8 / 147.1	0.0 / 9.8 / 147.1
			In Wg	0.00 / 0.04 / 0.59	0.00 / 0.04 / 0.59	0.00 / 0.04 / 0.59	0.00 / 0.04 / 0.59
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC
	Output x n		W	153 x1	153 x1	153 x1	153 x1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ,mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ,mm (inch)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
Wiring connections	Drain Pipe		Φ, inch	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)
			mm²	0.75	0.75	0.75	0.75
			-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV	EEV
Sound Data	Sound Pressure Level	H/M/L	dB(A)	27/25/23	27/25/23	28/26/24	29/27/25
	Sound Power Level	Cooling		50	50	51	51
External Dimension	Net Weight		kg (lbs)	27.5 (60.6)	27.5 (60.6)	27.5 (60.6)	27.5 (60.6)
	Shipping Weight		kg (lbs)	31.0 (68.3)	31.0 (68.3)	31.0 (68.3)	31.0 (68.3)
	Net Dimensions (WxHxD)		mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
			inch	33-7/16 x 9-13/16 x 27-9/16	33-7/16 x 9-13/16 x 27-9/16	33-7/16 x 9-13/16 x 27-9/16	33-7/16 x 9-13/16 x 27-9/16
	Shipping Dimensions (WxHxD)		mm	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784
			inch	41-7/8 x12-5/8 x 30-7/8	41-7/8 x12-5/8 x 30-7/8	41-7/8 x12-5/8 x 30-7/8	41-7/8 x12-5/8 x 30-7/8
Casing	Material		-	Steel	Steel	Steel	Steel
Additional Accessories	Drain Pump	External Model	-	-	-	-	-
		Internal Model	-	Built in	Built in	Built in	Built in
		Max. lifting Height / Displacement	in. / Gal./h	29.5 / 6.34	29.5 / 6.34	29.5 / 6.34	29.5 / 6.34
	Air Filter		-	-	-	-	-

1. Specification

Duct S

Model Name				AM015ANMDCH/AA	AM018ANMDCH/AA	AM024ANHDCH/AA
Power Supply			Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HP / HR	HP / HR	HP / HR
Performance	Ton		Ton	1.25	1.50	2.00
	Capacity	Cooling	kW	4.40	5.28	7.03
			Btu/h	15,000	18,000	24,000
			US RT	1.25	1.50	2.00
		Heating	kW	4.98	5.86	7.91
			Btu/h	17,000	20,000	27,000
			US RT	1.27	1.67	2.02
Power	Power Input	Cooling	W	43	50	90
		Heating		43	50	90
	Current Input	Cooling	A	0.40	0.50	0.70
		Heating		0.40	0.50	0.70
	Current	MCA	A	1.29	2.14	2.41
		MOP		15	15	15
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	hydrophilic	hydrophilic	hydrophilic
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2	3
	Air Flow Rate	H/M/L	m³/min	14 / 11 / 10	19 / 16 / 13	23 / 19 / 14
			ft³/min	494 / 388 / 353	671 / 565 / 459	812 / 671 / 494
			l/s	233 / 183 / 167	317 / 267 / 217	383 / 317 / 233
	External Pressure	Min/Std/Max	mmAq	0 / 1 / 15	0 / 1 / 20	3 / 5.2 / 20
			Pa	0.0 / 9.8 / 147.1	0.0 / 9.8 / 196.1	29.4 / 51.0 / 196.1
			In Wg	0.00 / 0.04 / 0.59	0.00 / 0.04 / 0.79	0.12 / 0.20 / 0.79
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)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
	Drain Pipe		Φ, inch	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)
Wiring connections	Communication (Min.)		mm²	0.75	0.75	0.75
			-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV
Sound Data	Sound Pressure Level	H/M/L	dB(A)	31/28/25	33/29/26	36/32/28
	Sound Power Level	Cooling		53	59	62
External Dimension	Net Weight		kg (lbs)	27.5 (60.6)	35.0 (77.2)	35.0 (77.2)
	Shipping Weight		kg (lbs)	31.0 (68.3)	39.5 (87.1)	39.5 (87.1)
	Net Dimensions (WxHxD)		mm	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700
			inch	33-7/16 x 9-13/16 x 27-9/16	47-1/4 x 9-13/16 x 27-9/16	47-1/4 x 9-13/16 x 27-9/16
	Shipping Dimensions (WxHxD)		mm	1064 x 320 x 784	1429 x 320 x 779	1429 x 320 x 779
			inch	41-7/8 x12-5/8 x 30-7/8	56-1/4 x 12-5/8 x 30-11/16	56-1/4 x 12-5/8 x 30-11/16
Casing	Material		-	Steel	Steel	Steel
Additional Accessories	Drain Pump	External Model	-	-	-	-
		Internal Model	-	Built in	Built in	Built in
		Max. lifting Height / Displacement	in. / Gal./h	29.5 / 6.34	29.5 / 6.34	29.5 / 6.34
	Air Filter		-	-	-	-

1. Specification

Duct S

Model Name				AM027ANHDCH/AA	AM030ANHDCH/AA	AM036ANHDCH/AA	AM048ANHDCH/AA
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			-	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Ton		Ton	2.25	2.50	3.00	4.00
	Capacity	Cooling	kW	791	8.79	10.55	14.07
			Btu/h	27,000	30,000	36,000	48,000
			US RT	2.25	2.50	3.00	4.00
		Heating	kW	8.79	9.96	11.72	15.83
			Btu/h	30,000	34,000	40,000	54,000
			US RT	2.50	2.54	3.33	4.03
Power	Power Input	Cooling	W	110	140	130	220
		Heating		110	140	130	220
	Current Input	Cooling	A	0.80	1.20	1.20	1.50
		Heating		0.80	1.20	1.20	1.50
	Current	MCA	A	2.69	2.95	3.11	3.40
		MOP		15	15	15	15
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	hydrophilic	hydrophilic	hydrophilic	hydrophilic
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	3	3	3	3
	Air Flow Rate	H/M/L	m³/min	26 / 21 / 15	28 / 23 / 16.5	31 / 26 / 20	43 / 36 / 25
			ft³/min	918 / 742 / 530	989 / 812 / 583	1095 / 918 / 706	1519 / 1271 / 883
			l/s	433 / 350 / 250	467 / 383 / 275	517 / 433 / 333	717 / 600 / 417
	External Pressure	Min/Std/Max	mmAq	3 / 5.2 / 20	3 / 5.2 / 20	3 / 5.2 / 20	3 / 5.2 / 20
			Pa	29.4 / 51.0 / 196.1	29.4 / 51.0 / 196.1	29.4 / 51.0 / 196.1	29.4 / 51.0 / 196.1
			In Wg	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.79
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC
	Output x n		W	153 x1	153 x1	350 x1	350 x1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Wiring connections	Drain Pipe		Φ, inch	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)	Nominal 3/4 (OD 1.05)
	Communication (Min.)		mm²	0.75	0.75	0.75	0.75
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV	EEV
Sound Data	Sound Pressure Level	H/M/L	dB(A)	37/33/29	38/34/30	37/34/30	42/38/34
	Sound Power Level	Cooling		63	64	62	66
External Dimension	Net Weight		kg (lbs)	35.0 (77.2)	35.0 (77.2)	44.5 (98.1)	44.5 (98.1)
	Shipping Weight		kg (lbs)	39.5 (87.1)	39.5 (87.1)	50.5 (111.3)	50.5 (111.3)
	Net Dimensions (WxHxD)		mm	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700
			inch	47-1/4 x 9-13/16 x 27-9/16	47-1/4 x 9-13/16 x 27-9/16	51-3/16 x 11-13/16 x 27-9/16	51-3/16 x 11-13/16 x 27-9/16
	Shipping Dimensions (WxHxD)		mm	1429 x 320 x 779	1429 x 320 x 779	1529 x 370 x 779	1529 x 370 x 779
			inch	56-1/4 x 12-5/8 x 30-11/16	56-1/4 x 12-5/8 x 30-11/16	60-3/16 x 14-9/16 x 30-11/16	60-3/16 x 14-9/16 x 30-11/16
Casing	Material		-	Steel	Steel	Steel	Steel
Additional Accessories	Drain Pump	External Model	-	-	-	-	-
		Internal Model	-	Built in	Built in	Built in	Built in
		Max. lifting Height / Displacement	in. / Gal./h	29.5 / 6.34	29.5 / 6.34	29.5 / 6.34	29.5 / 6.34
	Air Filter		-	-	-	-	-

1. Specification

Duct S

NOTE

- Specification may be subject to change without prior notice.
- 1) Mode : HP(Heat Pump), HR(Heat Recovery)
- 2) Capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft);
 - Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB
- 3) Sound pressure level is a relative value, depending on the distance and acoustic environment.
Sound values are obtained in an anechoic room.
- 4) Select wire size based on the value of MCA.

2. Summary Table

Duct S

Performance Characteristics

Model Code	Fan Speed	Nominal Capacity [MBH]			Airflow [CFM]	Sound Pressure [dBA]	Sound Power [dBA]	Static Pressure (Min/Std/Max) [inAq]
		Cooling	Sensible	Heating				
AM006ANMDCH/AA	High	6.3	4.6	7.1	318	27	50	0.00/0.04/0.59
	Mid	5.7	4.2	6.7	283	25	-	
	Low	5.0	3.7	6.3	247	23	-	
AM007ANMDCH/AA	High	7.5	5.8	8.5	318	27	50	0.00/0.04/0.59
	Mid	6.8	5.3	8.0	283	25	-	
	Low	6.0	4.6	7.5	247	23	-	
AM009ANMDCH/AA	High	9.5	7.4	10.5	353	28	51	0.00/0.04/0.59
	Mid	8.7	6.8	10.0	318	26	-	
	Low	7.8	6.1	9.4	283	24	-	
AM012ANMDCH/AA	High	12.0	9.1	13.5	424	29	51	0.00/0.04/0.59
	Mid	10.2	7.7	12.3	353	27	-	
	Low	8.8	6.7	11.4	300	25	-	
AM015ANMDCH/AA	High	15.0	11.4	17.0	494	31	53	0.00/0.04/0.59
	Mid	12.1	9.2	15.1	388	28	-	
	Low	11.1	8.4	14.4	353	25	-	
AM018ANMDCH/AA	High	18.0	13.8	20.2	671	33	59	0.00/0.04/0.79
	Mid	15.5	11.9	18.4	565	29	-	
	Low	12.7	9.7	16.5	459	26	-	
AM024ANHDCH/AA	High	24.0	18.3	27.0	812	36	62	0.12/0.20/0.79
	Mid	20.3	15.5	24.5	671	32	-	
	Low	15.0	11.4	21.1	494	28	-	
AM027ANHDCH/AA	High	27.0	20.7	30.0	918	37	63	0.12/0.20/0.79
	Mid	22.4	17.2	27.0	742	33	-	
	Low	16.0	12.3	22.8	530	29	-	
AM030ANHDCH/AA	High	30.0	23.0	34.0	989	38	64	0.12/0.20/0.79
	Mid	25.2	19.3	30.8	812	34	-	
	Low	18.2	14.0	26.1	583	30	-	
AM036ANHDCH/AA	High	36.0	27.5	40.0	1095	37	62	0.12/0.20/0.79
	Mid	30.8	23.5	36.6	918	34	-	
	Low	23.9	18.3	32.1	706	30	-	
AM048ANHDCH/AA	High	48.0	36.7	54.0	1519	42	66	0.12/0.20/0.79
	Mid	41.0	31.3	49.4	1271	38	-	
	Low	28.6	21.9	41.2	883	34	-	

NOTE

- Sound data is based on cooling operation

2. Summary Table

Duct S

Electrical Characteristics

Model Code	Power Supply (Φ, #, V, Hz)	Power Input (W)	Current Input (A)	MCA (A)	MOP (A)	FLA (A)
AM006ANMDCH	1,2,208-230,60	38	0.3	0.91	15	0.73
AM007ANMDCH	1,2,208-230,60	38	0.3	0.91	15	0.73
AM009ANMDCH	1,2,208-230,60	39	0.3	0.91	15	0.73
AM012ANMDCH	1,2,208-230,60	39	0.3	0.91	15	0.73
AM015ANMDCH	1,2,208-230,60	43	0.4	1.29	15	1.03
AM018ANMDCH	1,2,208-230,60	50	0.5	2.14	15	1.71
AM024ANHDCH	1,2,208-230,60	90	0.7	2.41	15	1.93
AM027ANHDCH	1,2,208-230,60	110	0.8	2.69	15	2.15
AM030ANHDCH	1,2,208-230,60	140	1.2	2.95	15	2.36
AM036ANHDCH	1,2,208-230,60	130	1.2	3.11	15	2.49
AM048ANHDCH	1,2,208-230,60	220	1.5	3.4	15	2.72



NOTE

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

3.Capacity Table

Duct S

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Capacity Index	Outdoor Air Temp. (°F, DB)	Indoor Temperature													
		68 (°F, DB)		73 (°F, DB)		79 (°F, DB)		80 (°F, DB)		85 (°F, DB)		87 (°F, DB)		89 (°F, DB)	
		57 (°F, WB)		61 (°F, WB)		64 (°F, WB)		67 (°F, WB)		70 (°F, WB)		72 (°F, WB)		75 (°F, WB)	
		TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)
006	50	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.1	4.8	7.3	4.7	7.5	4.4
	54	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.1	4.8	7.3	4.7	7.5	4.4
	58	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.8	7.3	4.7	7.5	4.4
	60	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.7	7.3	4.6	7.5	4.3
	64	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	67	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	70	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	73	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	77	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	80	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	84	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	88	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	92	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	95	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.5	4.3
	99	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.2	4.5	7.4	4.3
	103	4.5	3.5	5.2	4.1	6.1	4.6	6.3	4.6	7.0	4.6	7.1	4.5	7.2	4.2
007	50	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.6	6.2	8.9	5.5
	54	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.6	6.2	8.9	5.5
	58	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.6	6.2	8.9	5.5
	60	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	64	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	67	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	70	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	73	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	77	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	80	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	84	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	88	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	92	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	95	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	99	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.9	5.5
	103	5.2	4.4	6.2	5.1	7.2	5.8	7.5	5.8	7.9	5.8	8.2	5.8	8.6	5.1
009	50	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.6	7.4
	54	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	58	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	60	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	64	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	67	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	70	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	73	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	77	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	80	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	84	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	88	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	92	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	95	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	99	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.6	7.4	11.2	7.1
	103	6.5	6.0	7.9	6.7	8.9	7.1	9.5	7.4	9.9	7.4	10.2	7.1	10.9	6.7

3.Capacity Table

Duct S

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Capacity Index	Outdoor Air Temp. (°F, DB)	Indoor Temperature													
		68 (°F, DB)		73 (°F, DB)		79 (°F, DB)		80 (°F, DB)		85 (°F, DB)		87 (°F, DB)		89 (°F, DB)	
		57 (°F, WB)		61 (°F, WB)		64 (°F, WB)		67 (°F, WB)		70 (°F, WB)		72 (°F, WB)		75 (°F, WB)	
		TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)
012	50	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.4	8.8
	54	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.4	8.8
	58	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.4	8.8
	60	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.4	8.8
	64	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	67	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	70	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	73	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	77	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	80	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	84	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	88	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	92	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	95	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.4	9.1	14.0	8.4
	99	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.0	8.8	14.0	8.4
	103	8.4	7.0	9.7	8.1	11.4	8.8	12.0	9.1	12.4	9.1	13.0	8.8	13.7	8.1
015	50	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	18.0	11.8
	54	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	18.0	11.8
	58	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	18.0	11.8
	60	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	64	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	67	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	70	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	73	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	77	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	80	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	84	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	88	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	92	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	95	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.7	11.4	16.7	11.4	17.7	10.7
	99	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.4	11.1	16.4	11.1	17.4	10.7
	103	10.4	9.3	12.4	10.7	14.0	11.1	15.0	11.4	15.4	11.1	16.4	11.1	17.0	10.4
018	50	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	20.1	14.2	21.0	14.1	21.7	13.9
	54	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	20.1	14.1	20.9	14.1	21.7	13.9
	58	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.8	13.9	21.6	13.8
	60	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.5	13.5
	64	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	67	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	70	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	73	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	77	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	80	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	84	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	88	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	92	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	95	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.9	14.0	20.7	13.8	21.4	13.3
	99	12.7	11.0	14.9	12.6	17.4	13.4	18.0	13.8	19.6	13.7	20.3	13.4	21.0	13.0
	103	12.7	11.0	14.9	12.6	17.3	13.4	18.0	13.8	19.6	13.7	20.2	13.3	20.7	12.7

3.Capacity Table

Duct S

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Capacity Index	Outdoor Air Temp. (°F, DB)	Indoor Temperature													
		68 (°F, DB)		73 (°F, DB)		79 (°F, DB)		80 (°F, DB)		85 (°F, DB)		87 (°F, DB)		89 (°F, DB)	
		57 (°F, WB)		61 (°F, WB)		64 (°F, WB)		67 (°F, WB)		70 (°F, WB)		72 (°F, WB)		75 (°F, WB)	
		TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)
024	50	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	27.1	19.4	28.8	18.3
	54	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.8	18.3
	58	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.8	18.3
	60	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	64	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	67	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	70	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	73	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	77	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	80	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	84	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	88	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	92	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	95	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	25.1	19.0	26.8	19.0	28.4	18.0
	99	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	24.7	18.7	26.4	18.7	27.8	17.7
	103	16.6	14.6	19.7	17.0	22.7	17.7	24.0	18.3	24.7	18.7	26.1	18.3	27.4	17.3
027	50	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.5	21.9	32.4	20.7
	54	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.4	20.7
	58	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.4	20.7
	60	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	64	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	67	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	70	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	73	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	77	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	80	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	84	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	88	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	92	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	95	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	28.2	21.5	30.1	21.5	32.0	20.4
	99	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	27.8	21.1	29.7	21.1	31.2	20.0
	103	18.7	16.5	22.1	19.2	25.5	20.0	27.0	20.7	27.8	21.1	29.3	20.7	30.9	19.6
030	50	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.4	23.7	33.7	23.7	36.0	23.7
	54	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.4	23.7	33.7	23.7	36.0	23.7
	58	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.7	23.0
	60	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.7	23.0
	64	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	67	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	70	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	73	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	77	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	80	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	84	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	88	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	92	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	95	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.4	23.4	35.4	22.7
	99	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	31.0	23.4	33.0	23.0	34.7	22.4
	103	20.7	18.4	24.4	21.0	28.0	22.4	30.0	23.0	30.7	23.0	32.4	22.7	34.0	22.0

3.Capacity Table

Duct S

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Capacity Index	Outdoor Air Temp. (°F, DB)	Indoor Temperature													
		68 (°F, DB)		73 (°F, DB)		79 (°F, DB)		80 (°F, DB)		85 (°F, DB)		87 (°F, DB)		89 (°F, DB)	
		57 (°F, WB)		61 (°F, WB)		64 (°F, WB)		67 (°F, WB)		70 (°F, WB)		72 (°F, WB)		75 (°F, WB)	
		TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)	TC(MBH)	SHC(MBH)
036	50	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	40.2	28.5	43.1	27.5
	54	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	40.2	28.5	43.1	27.5
	58	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	40.2	28.5	43.1	27.5
	60	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	40.2	28.5	42.8	27.2
	64	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	40.2	28.5	42.8	27.2
	67	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	70	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	73	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	77	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	80	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	84	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	88	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	92	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.2	42.5	27.2
	95	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	27.9	42.5	27.2
	99	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.9	28.5	42.5	27.2
	103	24.8	21.8	29.3	24.7	33.8	26.3	36.0	27.5	37.3	28.2	39.6	28.2	41.8	26.9
048	50	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	50.1	37.1	53.9	37.4	57.6	37.1
	54	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.5	37.1	57.3	36.7
	58	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.5	37.1	57.3	36.7
	60	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.5	37.1	57.0	36.4
	64	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	57.0	36.4
	67	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	70	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	73	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	77	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	80	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	84	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	88	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	92	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	95	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	53.2	36.7	56.6	36.1
	99	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.8	36.7	52.8	36.4	55.9	35.7
	103	33.3	29.2	39.1	33.0	45.0	35.7	48.0	36.7	49.4	36.4	51.8	35.7	54.6	35.0

NOTE

- Capacity table may be subject to change without prior nitce.
- Capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft);
 - Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperauter 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperauter 47°F DB, 43°F WB

3.Capacity Table

Duct S

Heating

TC : Total Capacity

Capacity Index	Outdoor Temperature (°F)		Indoor temperature (°F, DB)				
			61	65	70	72	75
	DB	WB	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)
006	-3.6	-4.0	4.6	4.5	4.4	4.4	4.4
	-1.8	-2.2	4.7	4.6	4.4	4.4	4.4
	2	1	4.8	4.7	4.5	4.5	4.5
	6	5	5.0	4.9	4.7	4.6	4.5
	10	9	5.1	5.0	4.9	4.9	4.8
	13	12	5.4	5.3	5.1	5.1	5.1
	17	15	5.6	5.5	5.4	5.3	5.3
	19	18	5.8	5.6	5.6	5.5	5.3
	23	21	6.0	5.9	5.8	5.7	5.5
	26	24	6.3	6.1	6.0	5.9	5.7
	30	28	6.5	6.4	6.2	6.1	5.9
	35	32	6.8	6.7	6.4	6.3	6.0
	39	36	7.0	7.0	6.7	6.5	6.3
	44	40	7.3	7.2	6.9	6.7	6.3
	47	43	7.6	7.5	7.1	6.8	6.3
	51	47	7.9	7.7	7.1	6.8	6.3
007	54	50	8.1	7.7	7.1	6.8	6.3
	57	53	8.3	7.8	7.1	6.8	6.3
	60	56	8.5	7.9	7.1	6.8	6.3
	-3.6	-4	5.2	5.2	5.2	5.2	5.2
	-1.8	-2	5.3	5.3	5.3	5.3	5.3
	2	1	5.5	5.5	5.5	5.5	5.5
	6	5	5.9	5.6	5.6	5.6	5.5
	10	9	6.1	6.0	6.0	6.0	5.8
	13	12	6.7	6.7	6.4	6.4	6.3
	17	15	7.0	7.0	6.7	6.6	6.6
	19	18	7.4	7.2	7.0	6.7	6.7
	23	21	7.9	7.5	7.5	6.8	6.8
	26	24	8.2	7.9	7.9	7.5	7.5
	30	28	8.5	8.5	8.2	7.9	7.5
	35	32	8.9	8.5	8.5	7.9	7.5
	39	36	9.2	8.9	8.5	7.9	7.5
009	44	40	9.6	9.2	8.5	7.9	7.5
	47	43	9.6	9.2	8.5	7.9	7.5
	51	47	10.2	9.2	8.5	7.9	7.5
	54	50	10.2	9.2	8.5	7.9	7.5
	57	53	10.2	9.2	8.5	7.9	7.5
	60	56	10.2	9.2	8.5	7.9	7.5
	-3.6	-4	6.3	6.3	6.3	6.3	6.3
	-1.8	-2	6.4	6.4	6.4	6.4	6.3
	2	1	6.7	6.7	6.6	6.6	6.3
	6	5	7.0	7.0	6.7	6.6	6.3
	10	9	7.2	7.2	7.1	6.9	6.8
	13	12	7.5	7.5	7.5	7.4	7.2
	17	15	7.7	7.7	7.7	7.7	7.3
	19	18	7.9	7.8	7.8	7.8	7.4
	23	21	8.3	7.9	7.9	7.9	7.6
	26	24	8.6	8.6	8.3	8.3	7.9
	30	28	9.2	8.9	8.9	8.6	8.3
	35	32	9.6	9.2	9.2	8.9	8.6
	39	36	9.9	9.9	9.6	9.2	8.9
	44	40	10.5	10.2	10.2	9.6	8.9
	47	43	10.9	10.5	10.5	9.9	8.9
	51	47	11.2	10.9	10.5	9.9	8.9
	54	50	11.5	10.9	10.5	9.9	8.9
	57	53	11.9	11.2	10.5	9.9	8.9
	60	56	12.2	11.2	10.5	9.9	8.9

3.Capacity Table

Duct S

Heating

TC : Total Capacity

Capacity Index	Outdoor Temperature (°F)		Indoor temperature (°F, DB)				
			61	65	70	72	75
	DB	WB	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)
012	-3.6	-4	8.2	8.2	7.8	7.8	7.8
	-1.8	-2	8.4	8.3	7.9	7.9	7.8
	2	1	8.9	8.5	8.2	8.2	7.9
	6	5	9.2	8.9	8.6	8.5	8.2
	10	9	9.4	9.1	9.0	8.8	8.7
	13	12	9.8	9.7	9.7	9.3	9.3
	17	15	9.9	9.9	9.9	9.6	9.6
	19	18	10.2	10.2	10.0	9.8	9.7
	23	21	10.5	10.5	10.2	10.2	9.8
	26	24	11.2	10.8	10.8	10.5	10.2
	30	28	11.5	11.5	11.2	10.8	10.5
	35	32	12.2	12.2	11.9	11.5	10.8
	39	36	12.9	12.5	12.5	11.9	11.5
	44	40	13.2	13.2	12.9	12.2	11.5
	47	43	13.9	13.9	13.5	12.5	11.5
015	51	47	14.2	13.9	13.5	12.5	11.5
	54	50	14.9	14.2	13.5	12.5	11.5
	57	53	15.2	14.2	13.5	12.5	11.5
	60	56	15.6	14.6	13.5	12.5	11.5
	-3.6	-4	10.6	10.6	10.0	9.9	9.9
	-1.8	-2	10.7	10.7	10.2	10.0	10.0
	2	1	11.0	11.0	10.6	10.3	10.2
	6	5	11.3	11.3	11.0	10.7	10.3
	10	9	11.8	11.5	11.5	11.1	10.8
	13	12	12.5	12.1	12.1	11.8	11.7
	17	15	12.7	12.4	12.4	12.1	12.0
	19	18	13.0	12.6	12.6	12.3	12.1
	23	21	13.3	13.0	13.0	12.6	12.3
	26	24	14.0	13.6	13.6	13.3	12.6
	30	28	14.7	14.3	14.3	13.6	13.3
018	35	32	15.3	15.0	15.0	14.3	13.6
	39	36	16.0	16.0	15.7	15.0	14.3
	44	40	16.7	16.7	16.4	15.3	14.3
	47	43	17.4	17.4	17.0	15.7	14.3
	51	47	18.1	17.7	17.0	15.7	14.3
	54	50	18.7	17.7	17.0	15.7	14.3
	57	53	19.1	18.1	17.0	15.7	14.3
	60	56	19.8	18.4	17.0	15.7	14.3
	-3.6	-4.0	13.0	12.7	12.4	12.3	12.3
	-1.8	-2.2	13.1	12.9	12.5	12.4	12.4
	2	1	13.4	13.3	12.8	12.6	12.6
	6	5	14.0	13.7	13.2	13.0	12.7
	10	9	14.5	14.1	13.8	13.7	13.4
	13	12	15.1	14.9	14.5	14.4	14.3
	17	15	15.7	15.5	15.1	15.0	14.8
	19	18	16.2	15.9	15.7	15.5	15.0
	23	21	17.0	16.6	16.3	16.0	15.5
	26	24	17.7	17.3	16.9	16.6	16.1
	30	28	18.4	18.0	17.6	17.1	16.5
	35	32	19.1	18.8	18.1	17.7	17.0
	39	36	19.6	19.6	18.9	18.4	17.7
	44	40	20.7	20.4	19.5	18.8	17.7
	47	43	21.5	21.2	20.0	19.1	17.8
	51	47	22.3	21.6	20.0	19.1	17.8
	54	50	22.9	21.7	20.0	19.1	17.8
	57	53	23.4	22.0	20.0	19.1	17.8
	60	56	24.0	22.3	20.0	19.1	17.8

3.Capacity Table

Duct S

Heating

TC : Total Capacity

Capacity Index	Outdoor Temperature (°F)		Indoor temperature (°F, DB)				
			61	65	70	72	75
	DB	WB	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)
024	-3.6	-4	16.6	16.6	16.3	15.9	15.9
	-1.8	-2	16.9	16.7	16.4	16.0	16.0
	2	1	17.4	17.0	16.7	16.3	16.2
	6	5	18.0	17.7	17.4	16.7	16.4
	10	9	18.7	18.4	18.1	17.7	17.3
	13	12	19.7	19.4	19.0	18.7	18.6
	17	15	20.1	19.8	19.5	19.1	19.1
	19	18	20.5	20.1	19.8	19.5	19.3
	23	21	21.0	20.6	20.3	20.0	19.6
	26	24	22.0	22.0	21.6	21.0	20.3
	30	28	23.3	23.0	22.7	21.6	21.0
	35	32	24.3	24.0	23.7	22.7	21.6
	39	36	25.7	25.4	24.7	24.0	23.0
	44	40	26.7	26.4	26.0	24.3	23.0
	47	43	27.7	27.4	27.0	25.0	23.0
	51	47	28.7	27.7	27.0	25.0	23.0
027	54	50	29.4	28.4	27.0	25.0	23.0
	57	53	30.4	28.7	27.0	25.0	23.0
	60	56	31.1	29.1	27.0	25.0	23.0
	-3.6	-4	18.1	18.1	17.8	17.5	17.5
	-1.8	-2	18.4	18.4	18.0	17.7	17.6
	2	1	19.1	19.0	18.4	18.1	17.8
	6	5	20.2	19.7	19.1	18.5	18.2
	10	9	20.9	20.5	19.9	19.5	19.2
	13	12	21.7	21.4	21.0	20.7	20.7
	17	15	22.2	21.9	21.6	21.2	21.1
	19	18	22.7	22.4	22.1	21.6	21.3
	23	21	23.4	23.1	22.8	22.2	21.6
	26	24	24.6	24.3	24.0	23.1	22.5
	30	28	25.8	25.5	25.2	24.3	23.1
	35	32	27.0	26.7	26.4	25.2	24.0
	39	36	28.2	27.9	27.6	26.4	25.2
030	44	40	29.7	29.1	28.8	27.0	25.2
	47	43	30.9	30.3	30.0	27.6	25.2
	51	47	31.8	30.9	30.0	27.6	25.2
	54	50	32.7	31.5	30.0	27.6	25.2
	57	53	33.6	31.8	30.0	27.6	25.2
	60	56	34.8	32.4	30.0	27.6	25.2
	-3.6	-4	20.5	20.5	20.2	19.8	19.8
	-1.8	-2	20.9	20.9	20.4	20.0	19.9
	2	1	21.7	21.6	20.9	20.5	20.2
	6	5	22.9	22.3	21.6	21.0	20.6
	10	9	23.6	23.2	22.6	22.1	21.8
	13	12	24.6	24.3	23.8	23.5	23.4
	17	15	25.2	24.8	24.5	24.1	24.0
	19	18	25.7	25.4	25.0	24.5	24.2
	23	21	26.6	26.2	25.9	25.2	24.5
	26	24	27.9	27.6	27.2	26.2	25.5
	30	28	29.3	28.9	28.6	27.6	26.2
	35	32	30.6	30.3	30.0	28.6	27.2
	39	36	32.0	31.7	31.3	30.0	28.6
	44	40	33.7	33.0	32.7	30.6	28.6
	47	43	35.1	34.4	34.0	31.3	28.6
	51	47	36.1	35.1	34.0	31.3	28.6
	54	50	37.1	35.7	34.0	31.3	28.6
	57	53	38.1	36.1	34.0	31.3	28.6
	60	56	39.5	36.8	34.0	31.3	28.6

3.Capacity Table

Duct S

Heating

TC : Total Capacity

Capacity Index	Outdoor Temperature (°F)		Indoor temperature (°F, DB)				
			61	65	70	72	75
	DB	WB	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)	TC(MBH)
036	-3.6	-4	23.9	23.8	23.5	23.5	23.4
	-1.8	-2	24.5	24.2	23.8	23.7	23.5
	2	1	25.8	25.2	24.5	24.1	23.8
	6	5	27.1	26.1	25.5	24.8	24.2
	10	9	28.0	27.2	26.6	26.0	25.6
	13	12	29.2	28.5	28.1	27.7	27.4
	17	15	29.8	29.2	28.8	28.4	28.0
	19	18	30.3	29.8	29.3	28.8	28.4
	23	21	31.1	30.8	30.1	29.5	28.8
	26	24	32.7	32.4	31.7	30.8	29.8
	30	28	34.3	34.0	33.6	32.4	31.1
	35	32	36.2	35.6	35.6	33.6	32.0
	39	36	37.8	37.2	36.8	35.2	34.0
	44	40	39.4	39.1	38.4	36.2	34.0
	47	43	41.3	40.7	40.0	36.8	34.0
	51	47	42.6	41.3	40.0	36.8	34.0
048	54	50	43.9	42.0	40.0	36.8	34.0
	57	53	44.8	42.6	40.0	36.8	34.0
	60	56	46.1	43.2	40.0	36.8	34.0
	-3.6	-4	32.2	32.2	31.8	31.8	31.5
	-1.8	-2	32.9	32.7	32.0	32.0	31.6
	2	1	34.4	33.7	32.7	32.6	31.8
	6	5	36.3	35.4	34.4	33.4	32.4
	10	9	37.5	36.8	36.0	35.3	34.3
	13	12	39.1	38.7	38.0	37.6	36.8
	17	15	39.9	39.5	38.9	38.5	37.7
	19	18	40.7	40.2	39.7	39.0	38.2
	23	21	41.9	41.2	40.9	39.9	38.9
	26	24	44.3	43.6	42.9	41.6	40.5
	30	28	46.6	45.9	45.3	43.6	41.9
	35	32	48.6	48.0	47.3	45.3	43.2
	39	36	51.0	50.3	49.7	47.6	45.6
	44	40	53.4	52.7	51.7	48.6	45.6
	47	43	55.7	54.7	54.0	50.0	45.6
	51	47	57.4	55.7	54.0	50.0	45.6
	54	50	59.1	56.4	54.0	50.0	45.6
	57	53	60.8	57.4	54.0	50.0	45.6
	60	56	62.5	58.1	54.0	50.0	45.6

NOTE

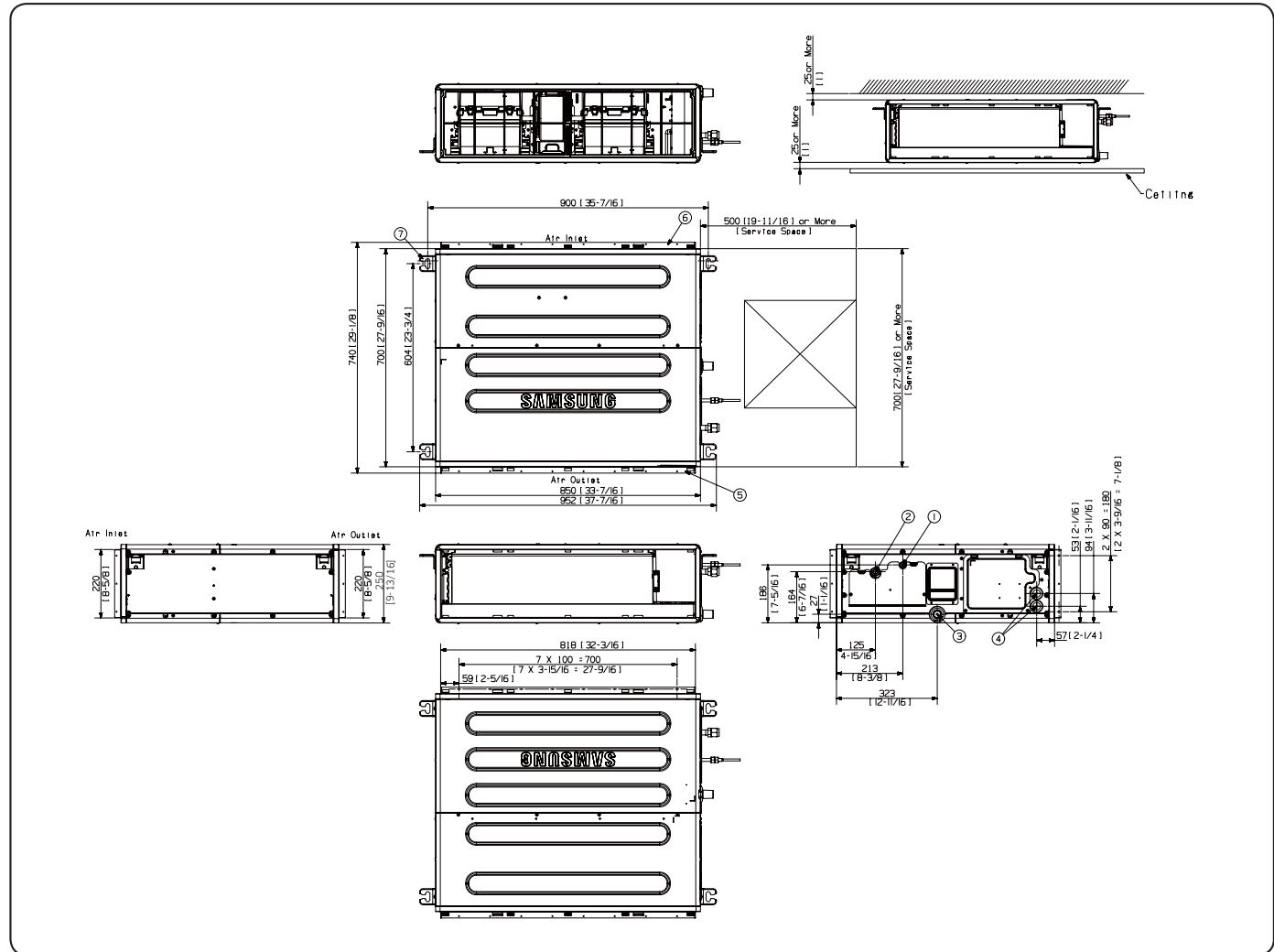
- Capacity table may be subject to change without prior notice.
- Capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft);
 - Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

4. Dimension Drawing

Duct S

AM006ANMDCH/AA, AM007ANMDCH/AA, AM009ANMDCH/AA, AM012ANMDCH/AA, AM015ANMDCH/AA

Unit: mm (inch)



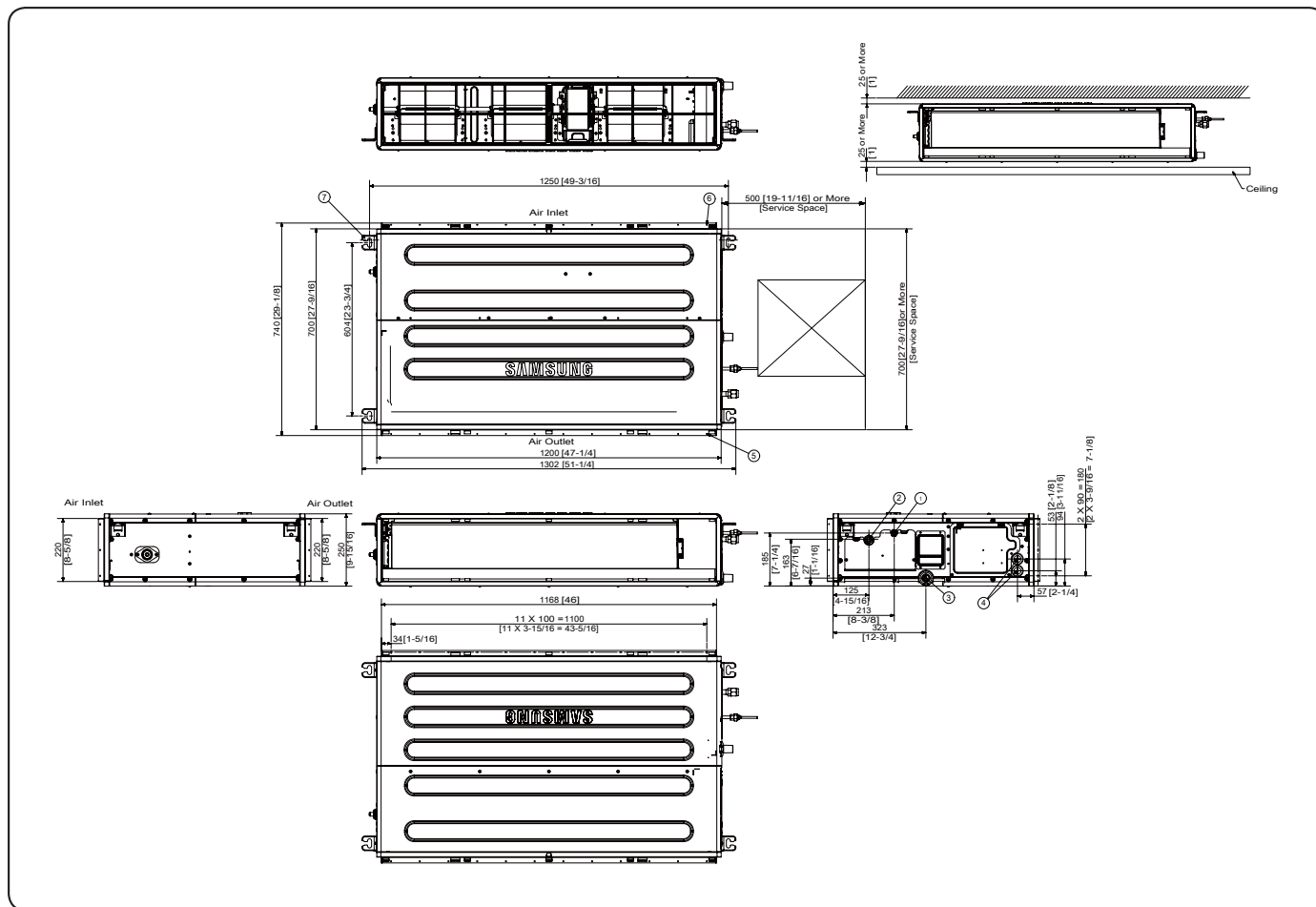
No.	Name	Description
①	Refrigerant liquid pipe	Ø6.35 [1/4"] Flare connection
②	Refrigerant gas pipe	Ø12.7 [1/2"] Flare connection
③	Condensate drain	Nominal Size 3/4" (OD Ø1.05" (26.67 mm))
④	Power & Comm. wiring conduits	-
⑤	Supply air flange	-
⑥	Return air flange	-
⑦	Hook	-

4. Dimension Drawing

Duct S

AM018ANMDCH/AA, AM024ANHDCH/AA, AM027ANHDCH/AA, AM030ANHDCH/AA

Unit: mm (inch)



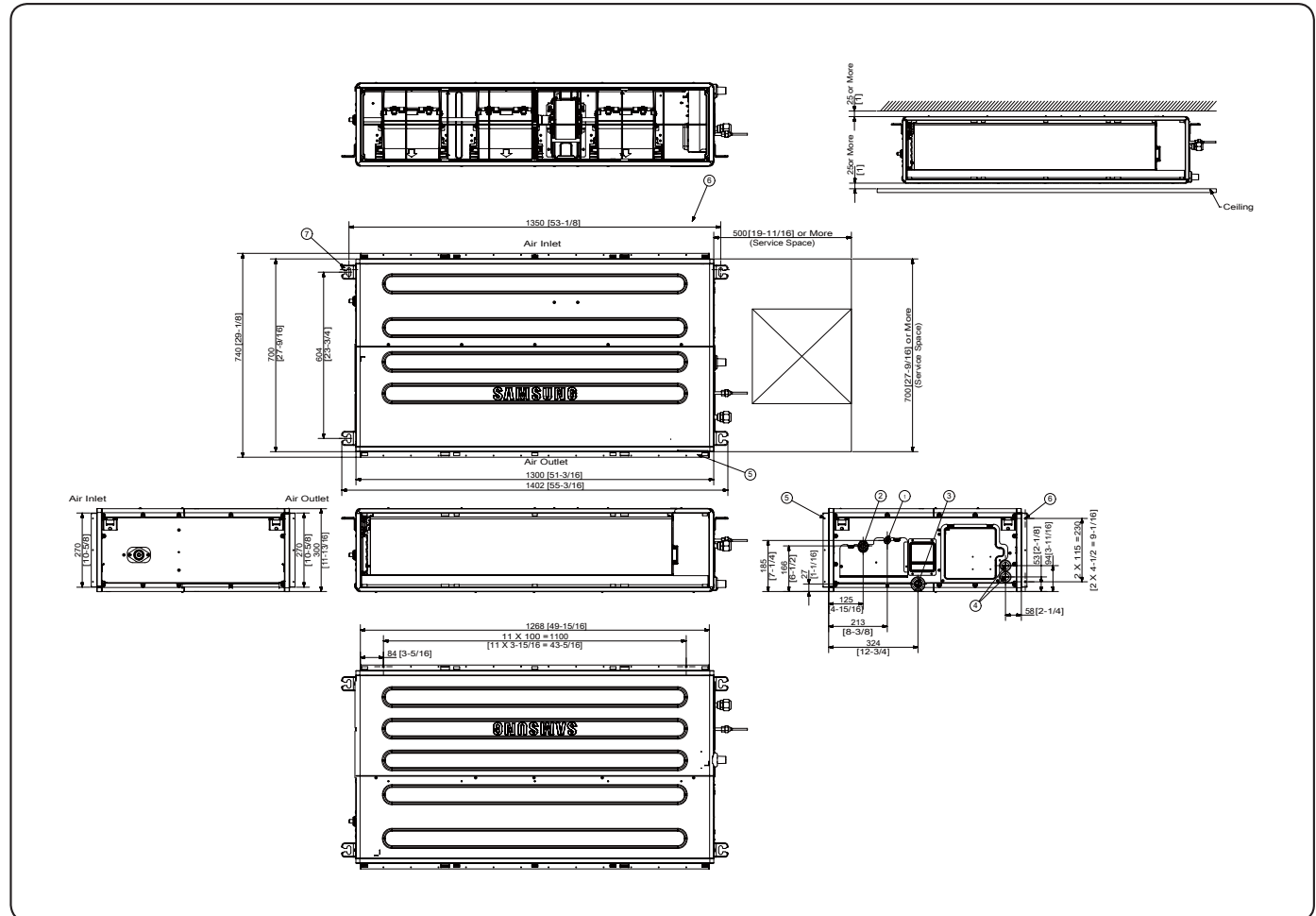
No.	Name	Description	
		AM018ANMDCH/AA	AM024/027/030ANHDCH/AA
①	Refrigerant liquid pipe	Ø6.35 [1/4"] Flare connection	Ø9.52 [3/8"] Flare connection
②	Refrigerant gas pipe	Ø12.7 [1/2"] Flare connection	Ø15.88 [5/8"] Flare connection
③	Condensate drain	Nominal Size 3/4" (OD Ø1.05" (26.67 mm))	Nominal Size 3/4" (OD Ø1.05" (26.67 mm))
④	Power & Comm. wiring conduits	-	-
⑤	Supply air flange	-	-
⑥	Return air flange	-	-
⑦	Hook	-	-

4. Dimension Drawing

Duct S

AM036ANHDCH/AA, AM048ANHDCH/AA

Unit: mm (inch)

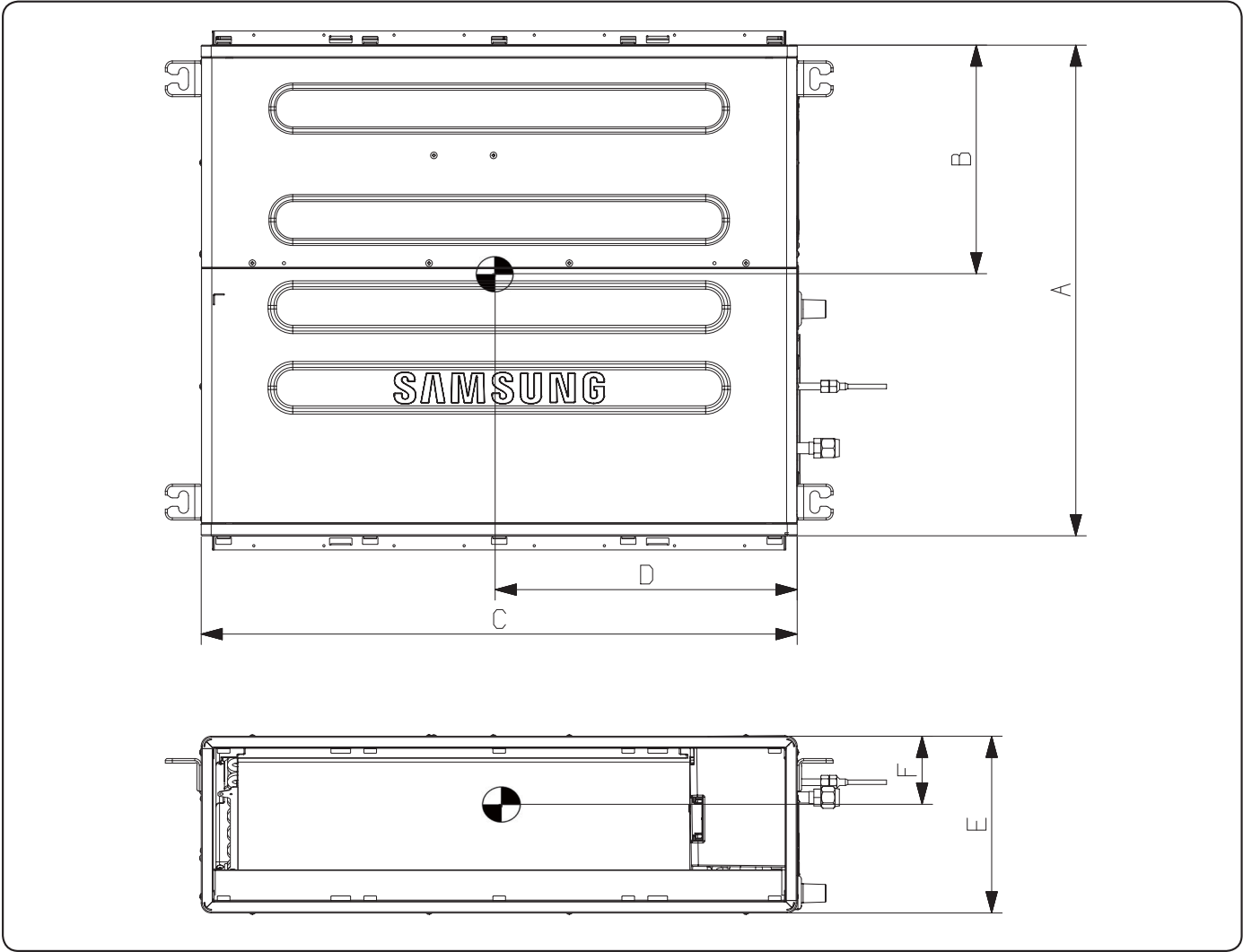


No.	Name	Description
①	Refrigerant liquid pipe	Ø9.52 [3/8"] Flare connection
②	Refrigerant gas pipe	Ø15.88 [5/8"] Flare connection
③	Condensate drain	Nominal Size 3/4" (OD Ø1.05" (26.67 mm))
④	Power & Comm. wiring conduits	-
⑤	Supply air flange	-
⑥	Return air flange	-
⑦	Hook	-

5. Center of Gravity

Duct S

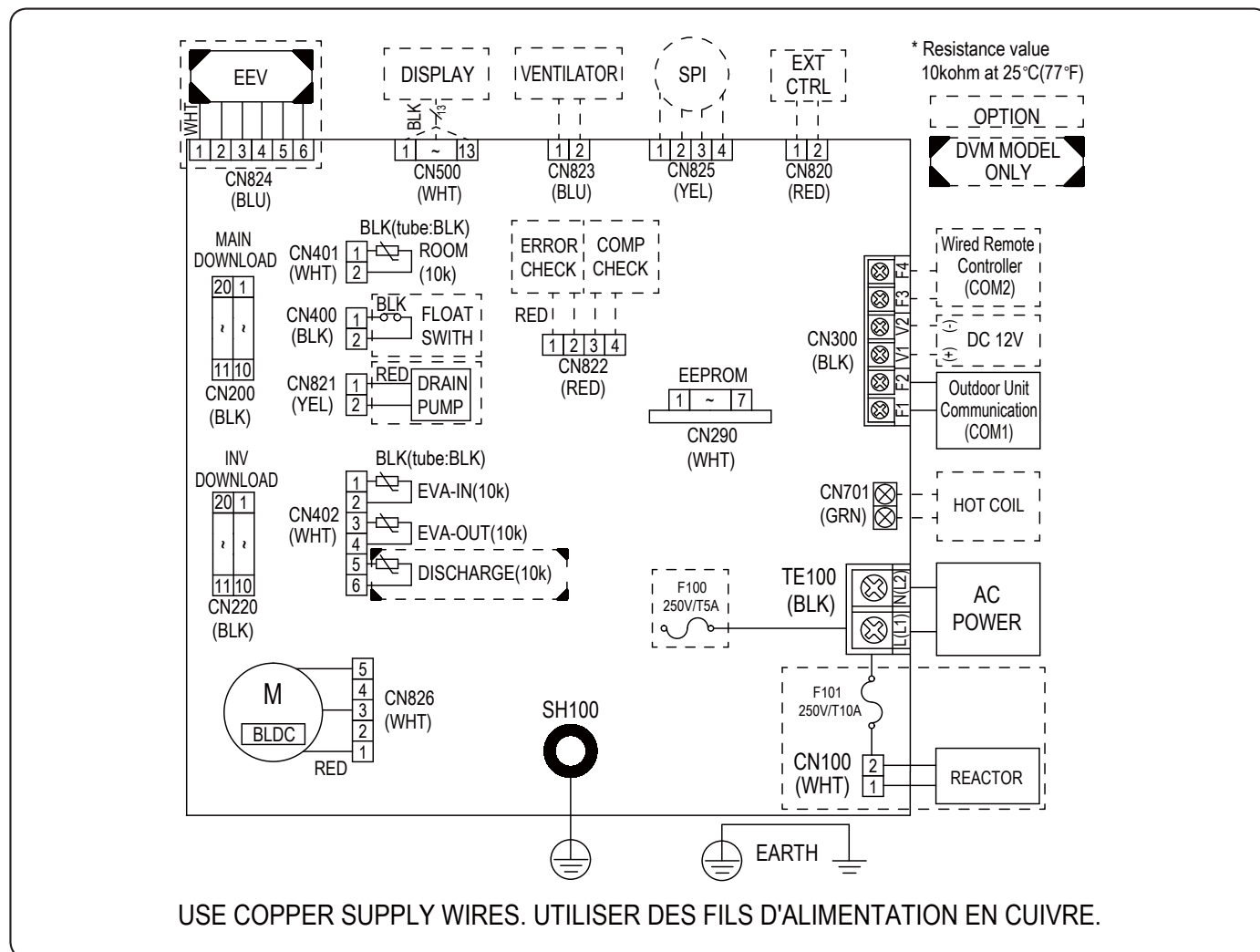
Units : mm [inches]



Model	A	B	C	D	E	F
AM006 ~ 015	700 [27-9/16]	335 [14]	900 [35-7/16]	405 [15-15/16]	250 [9-13/16]	125 [4-15/16]
AM018 ~ 030	700 [27-9/16]	265 [10-7/16]	1200 [47-1/4]	540 [21-17/64]	250 [9-13/16]	125 [4-15/16]
AM036 ~ 048	700 [27-9/16]	265 [10-7/16]	1300 [51-3/16]	625 [24-39/64]	300 [11-13/16]	150 [5-15/16]

6. Electrical Wiring Diagram

Duct S



SPI	S-Plasma ion	EVA-IN(10K)	Thermistor - IDU heat exchanger In
EEV	Electronic Expansion Valve	EVA-OUT(10K)	Thermistor - IDU heat exchanger Out
M-BLDC	Motor for Indoor Fan	DISCHARGE(10K)	Thermistor - Indoor Discharge Air
ROOM(10K)	Thermistor - Indoor Room	EXT CTRL	External Control

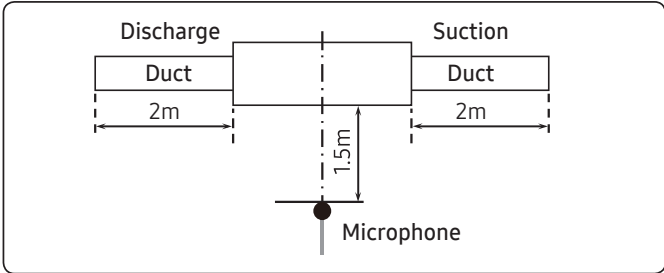
NOTE

- 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)

7. Sound Data

Duct S

Sound Pressure level

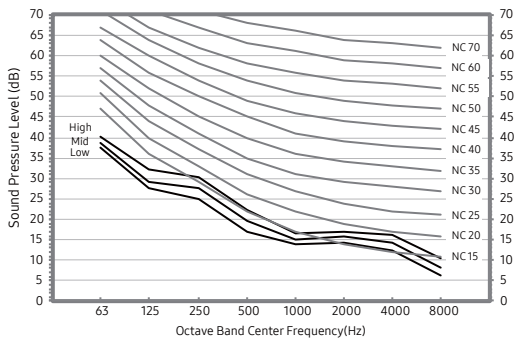


Unit : dB(A)

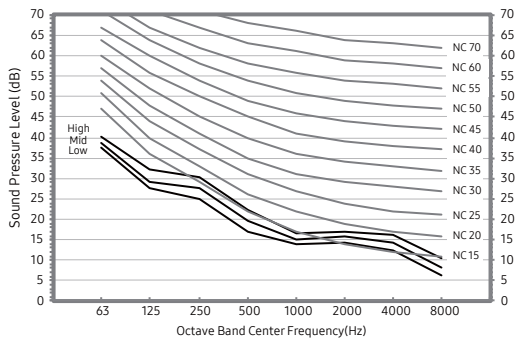
Model	High	Mid	Low
AM006ANMDCH/AA	27	25	23
AM007ANMDCH/AA	27	25	23
AM009ANMDCH/AA	28	26	24
AM012ANMDCH/AA	29	27	25

• NC Curve

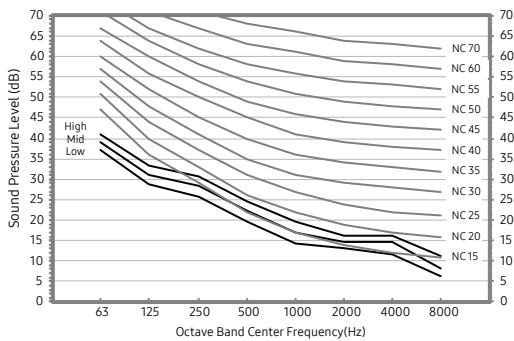
1) AM006ANMDCH/AA



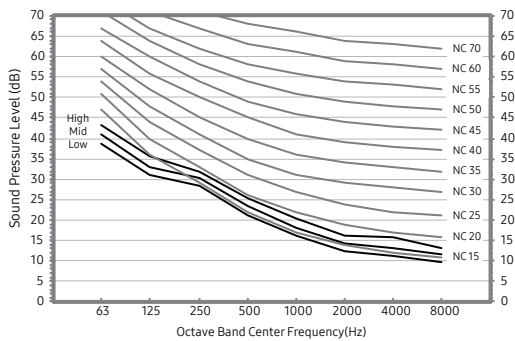
2) AM007ANMDCH/AA



3) AM009ANMDCH/AA



4) AM012ANMDCH/AA



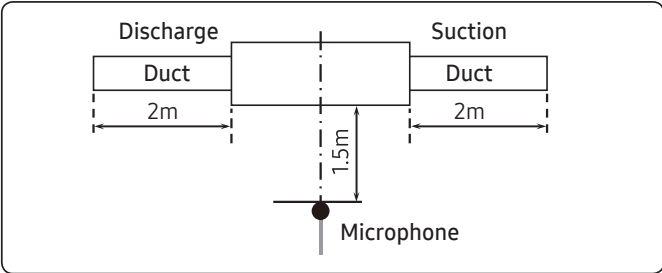
NOTE

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

7. Sound Data

Duct S

Sound Pressure level

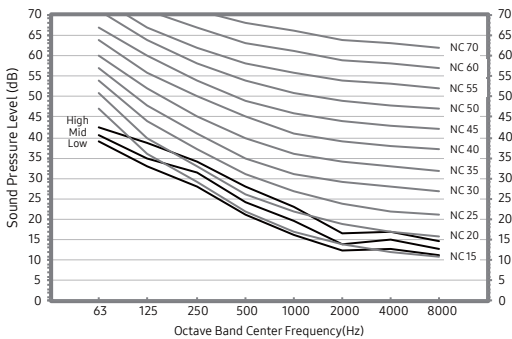


Unit : dB(A)

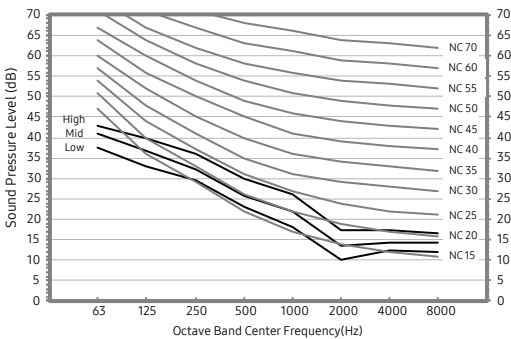
Model	High	Mid	Low
AM015ANMDCH/AA	31	28	25
AM018ANMDCH/AA	33	29	26
AM024ANMDCH/AA	36	32	28
AM027ANMDCH/AA	37	33	29

- NC Curve

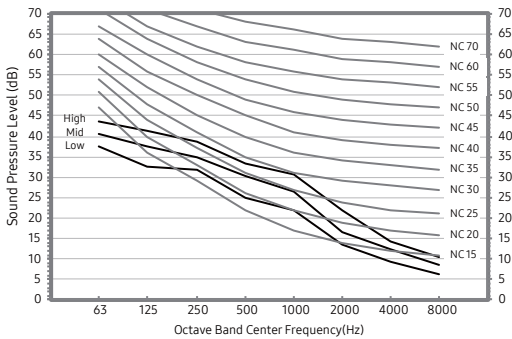
5) AM015ANMDCH/AA



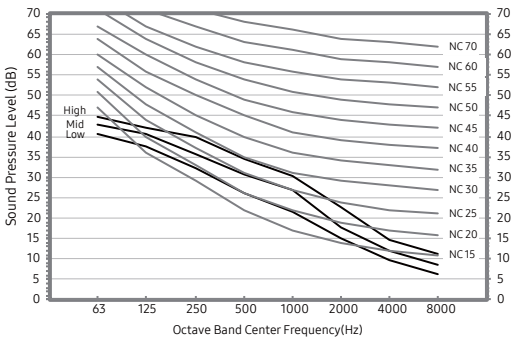
6) AM018ANMDCH/AA



7) AM024ANMDCH/AA



8) AM027ANMDCH/AA



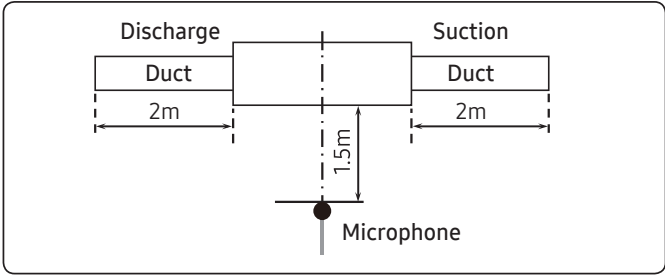
NOTE

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

7. Sound Data

Duct S

Sound Pressure level

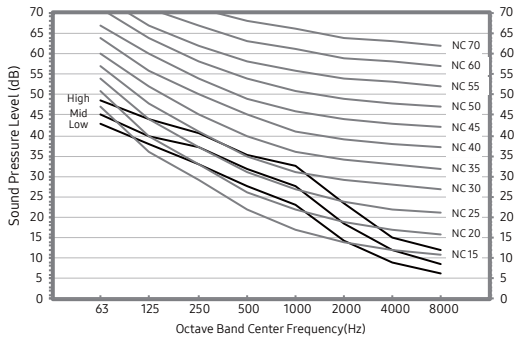


Unit : dB(A)

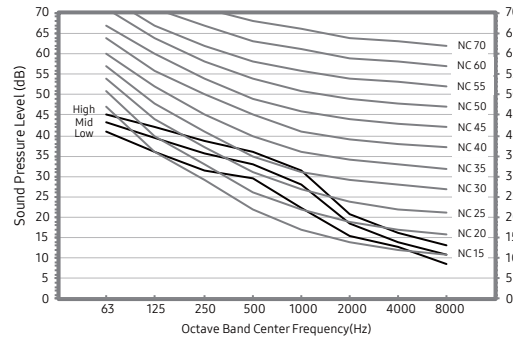
Model	High	Mid	Low
AM030ANMDCH/AA	38	34	30
AM036ANMDCH/AA	37	34	30
AM048ANMDCH/AA	42	38	34

- NC Curve

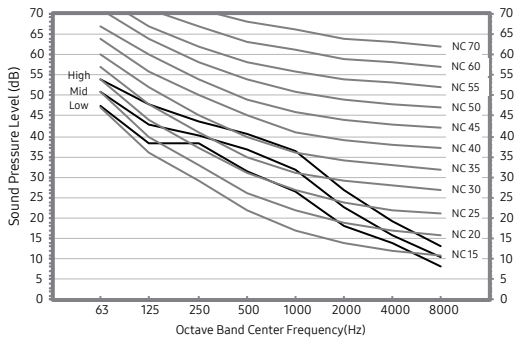
9) AM030ANMDCH/AA



10) AM036ANMDCH/AA



11) AM048ANMDCH/AA



NOTE

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

7. Sound Data

Duct S

Sound power level

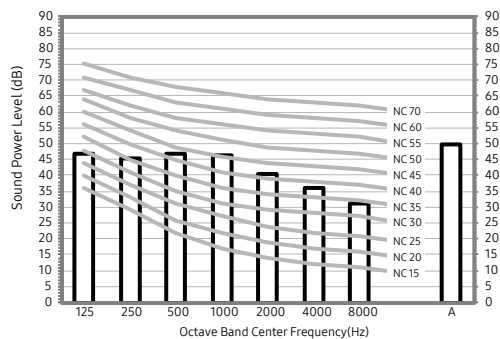
NOTE

- Specifications may be subject to change without prior notice
 - 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

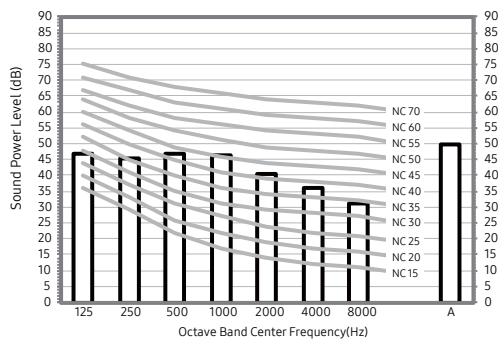
Unit : dB(A)

Model	Power
AM006ANMDCH/AA	50
AM007ANMDCH/AA	50
AM009ANMDCH/AA	51
AM012ANMDCH/AA	51

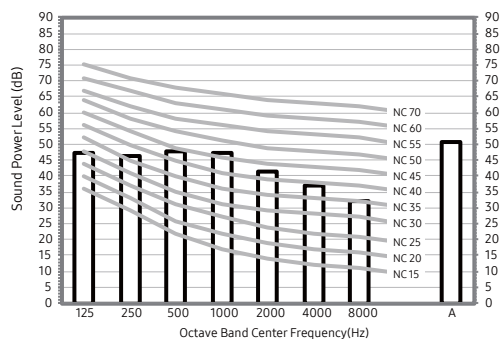
1) AM006ANMDCH/AA



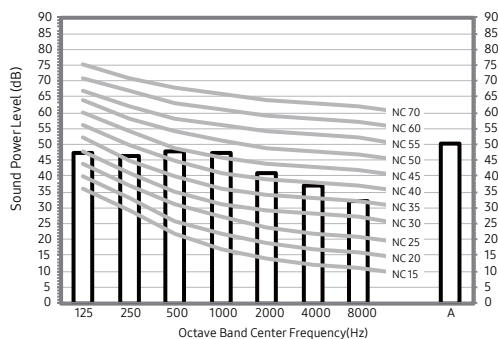
2) AM007ANMDCH/AA



3) AM009ANMDCH/AA



4) AM012ANMDCH/AA



7. Sound Data

Duct S

Sound power level

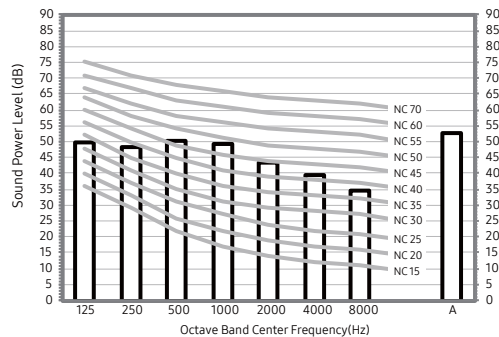
NOTE

- Specifications may be subject to change without prior notice
 - 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

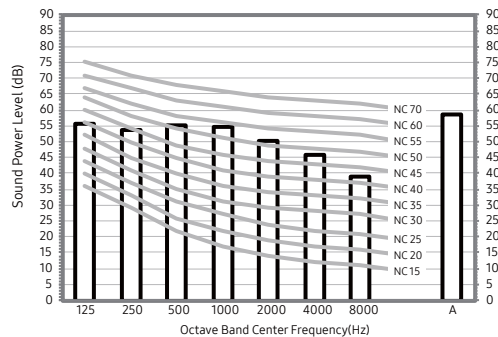
Unit : dB(A)

Model	Power
AM015ANMDCH/AA	53
AM018ANMDCH/AA	59
AM024ANMDCH/AA	62
AM027ANMDCH/AA	63

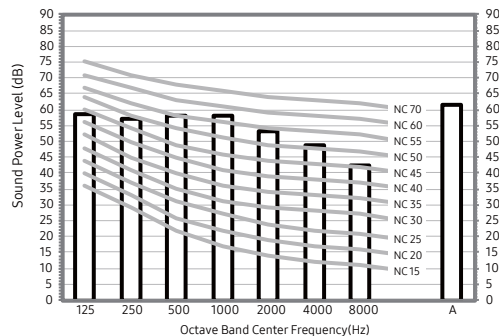
5) AM015ANMDCH/AA



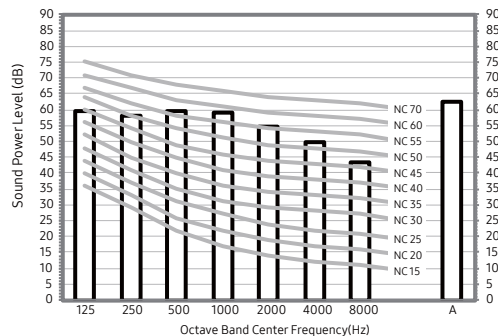
6) AM018ANMDCH/AA



7) AM024ANMDCH/AA



8) AM027ANMDCH/AA



7. Sound Data

Duct S

Sound power level

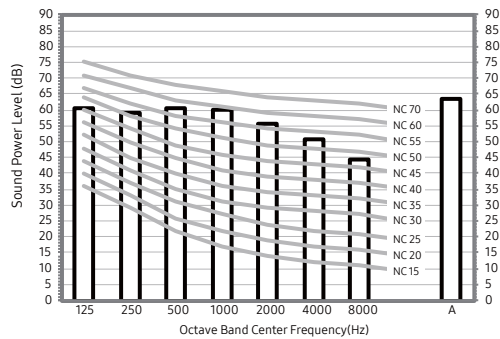
NOTE

- Specifications may be subject to change without prior notice
 - 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

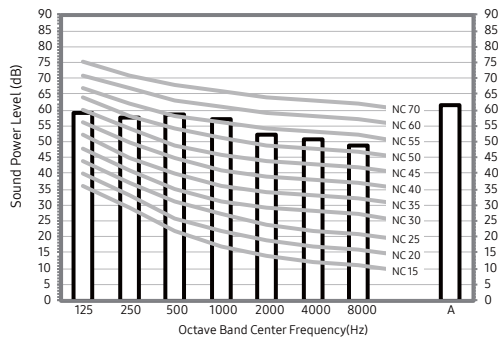
Unit : dB(A)

Model	Power
AM030ANMDCH/AA	64
AM036ANMDCH/AA	62
AM048ANMDCH/AA	66

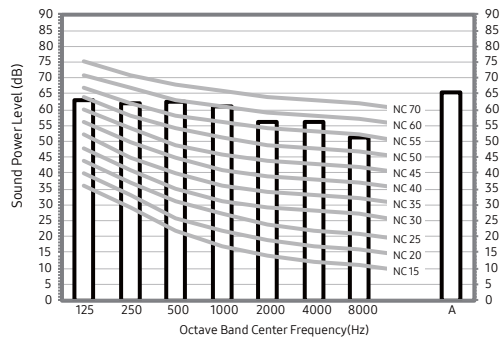
9) AM030ANMDCH/AA



10) AM036ANMDCH/AA



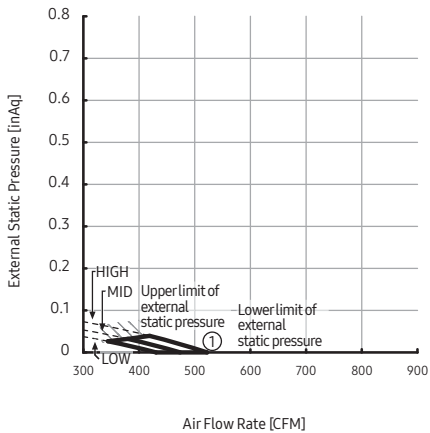
11) AM048ANMDCH/AA



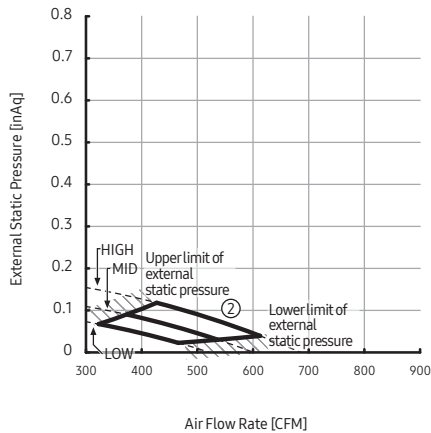
8. Fan Characteristics

1) AM006ANMDCH/AA

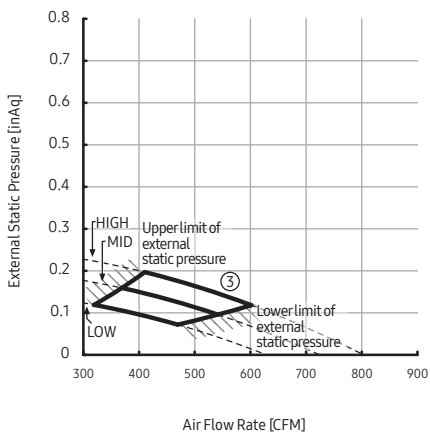
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	010054-1E5051-201313-331100



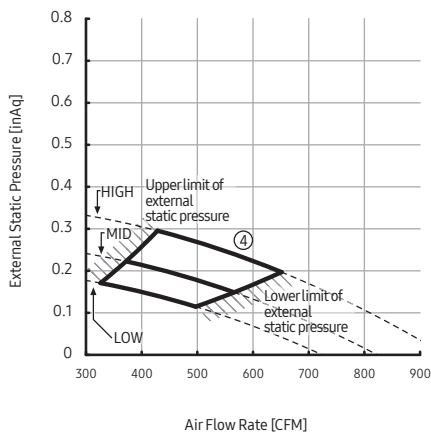
②	External Static Pressure(inAq)	Option Code
	0.04<SP≤0.12	010054-1E50B5-201313-331100



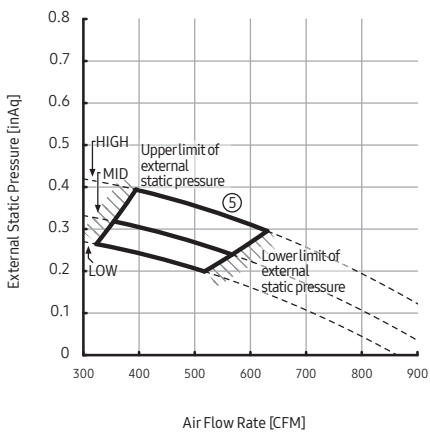
③	External Static Pressure(inAq)	Option Code
	0.12<SP≤0.20	010054-1E5419-201313-331100



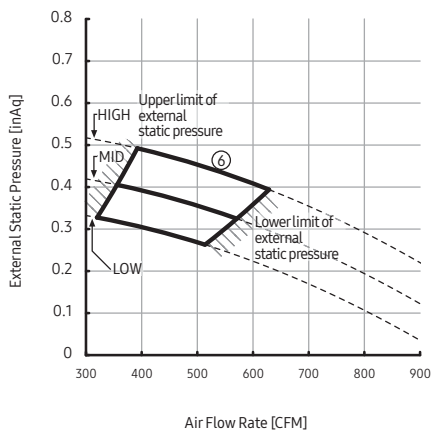
④	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E548D-201313-331100



⑤	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E55D4-201313-331100



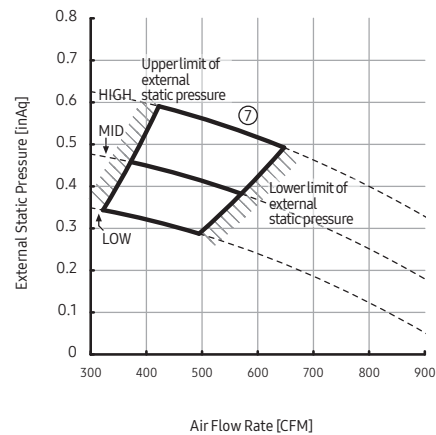
⑥	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E5928-201313-331100



8. Fan Characteristics

1) AM006ANMDCH/AA

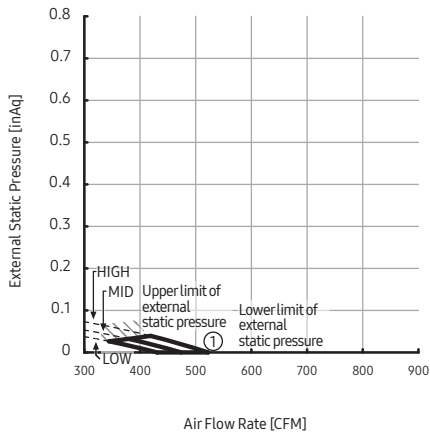
⑦	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E5979-201313-331100



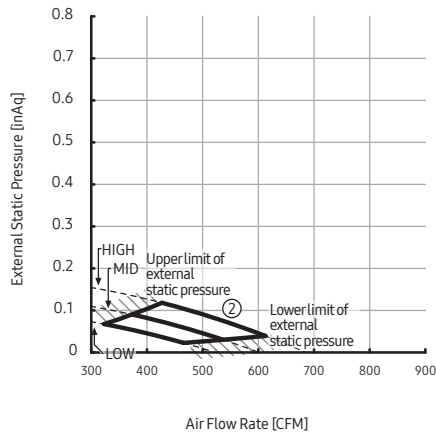
8. Fan Characteristics

2) AM007ANMDCH/AA

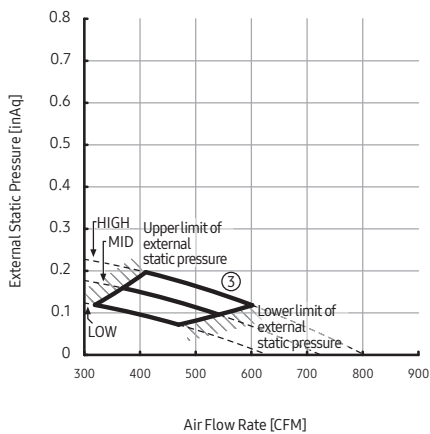
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	010054-1E5051-201616-331100



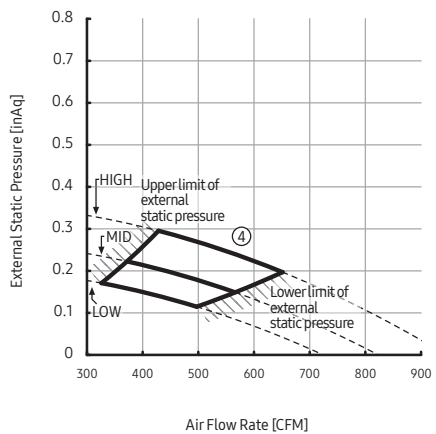
②	External Static Pressure(inAq)	Option Code
	0.04<SP≤0.12	010054-1E50B5-201616-331100



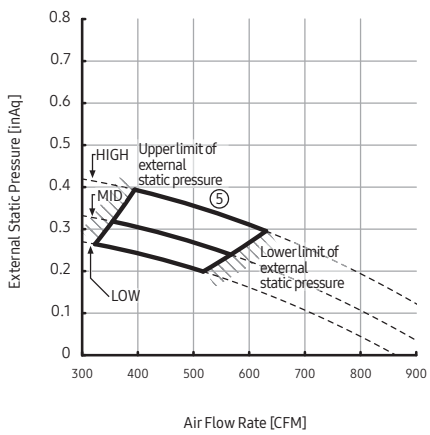
③	External Static Pressure(inAq)	Option Code
	0.12<SP≤0.20	010054-1E5419-201616-331100



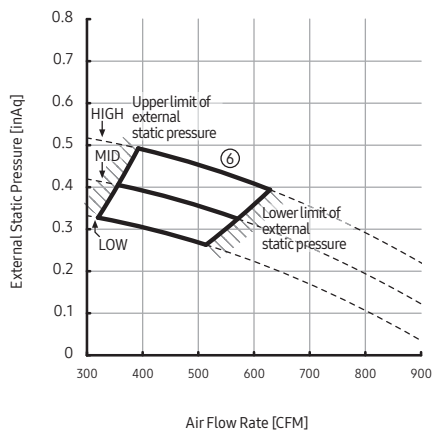
④	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E548D-201616-331100



⑤	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E55D4-201616-331100



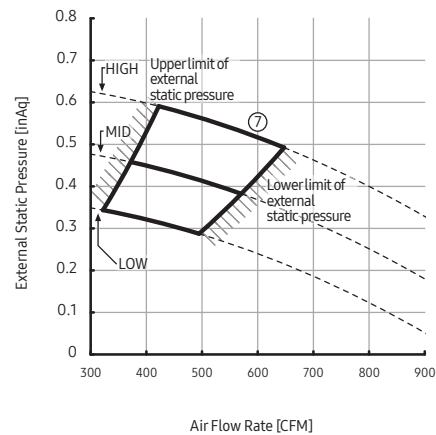
⑥	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E5928-201616-331100



8. Fan Characteristics

2) AM007ANMDCH

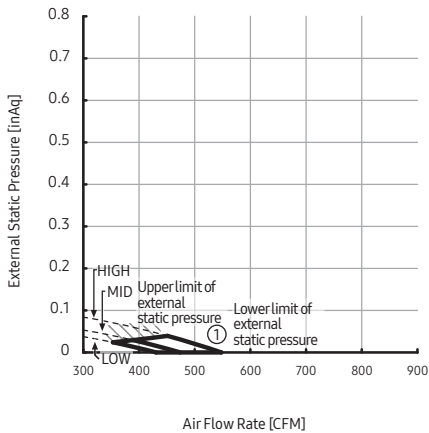
⑦	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E5979-201616-331100



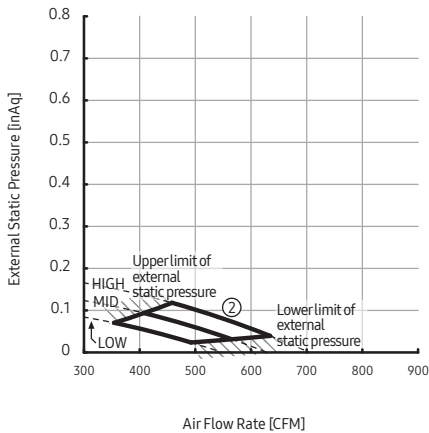
8. Fan Characteristics

3) AM009ANMDCH/AA

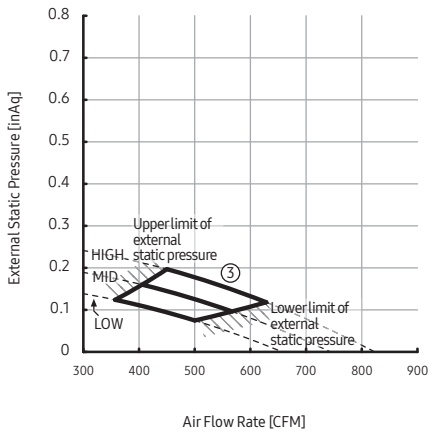
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	010054-1E5061-201C1C-331100



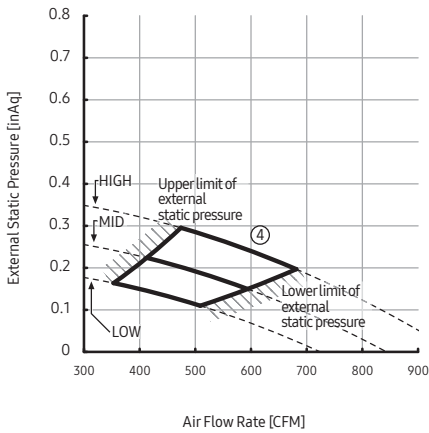
②	External Static Pressure(inAq)	Option Code
	0.04<SP≤0.12	010054-1E50C6-201C1C-331100



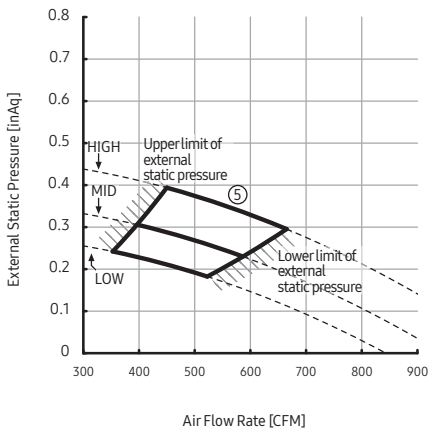
③	External Static Pressure(inAq)	Option Code
	0.12<SP≤0.20	010054-1E542A-201C1C-331100



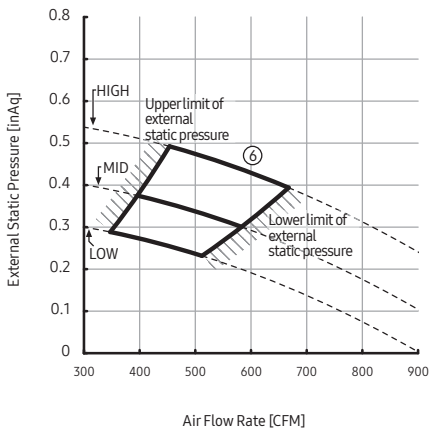
④	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E549D-201C1C-331100



⑤	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E55E3-201C1C-331100



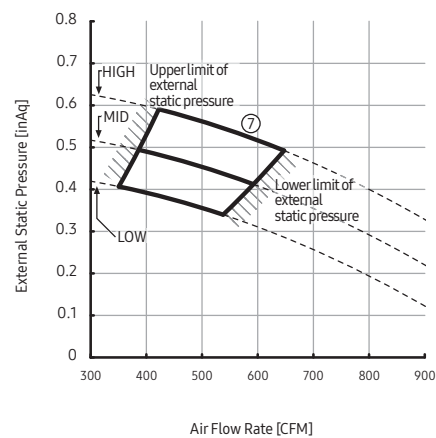
⑥	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E5936-201C1C-331100



8. Fan Characteristics

3) AM009ANMDCH/AA

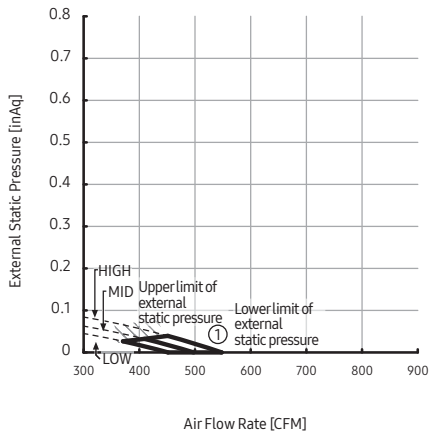
⑦	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E597D-201C1C-331100



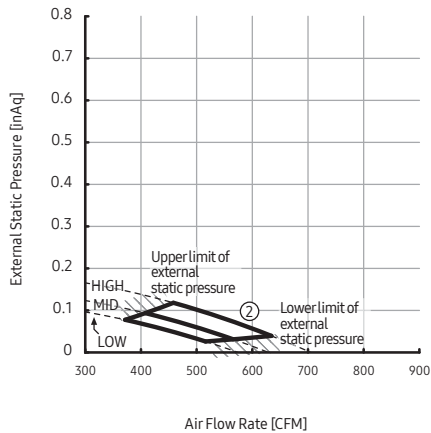
8. Fan Characteristics

4) AM012ANMDCH/AA

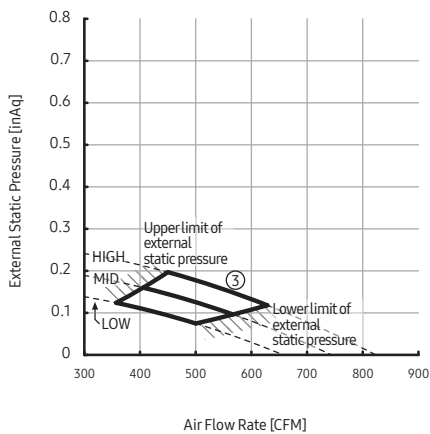
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	010054-1E5062-202323-331100



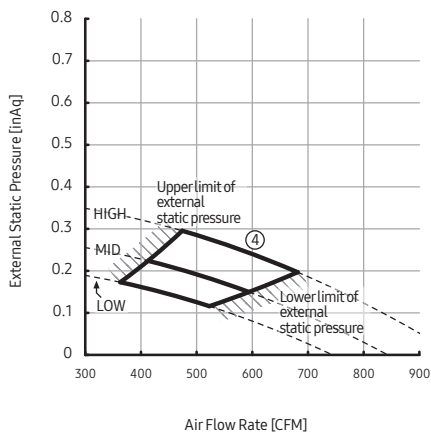
②	External Static Pressure(inAq)	Option Code
	0.04<SP≤0.12	010054-1E50C7-202323-331100



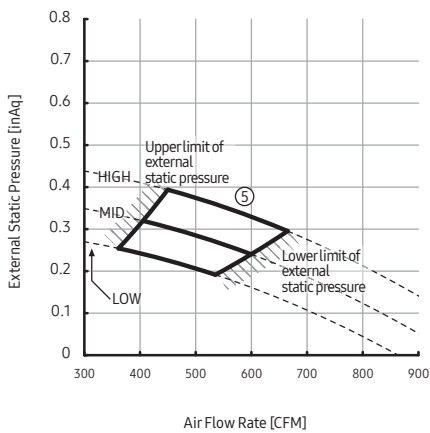
③	External Static Pressure(inAq)	Option Code
	0.12<SP≤0.20	010054-1E542A-202323-331100



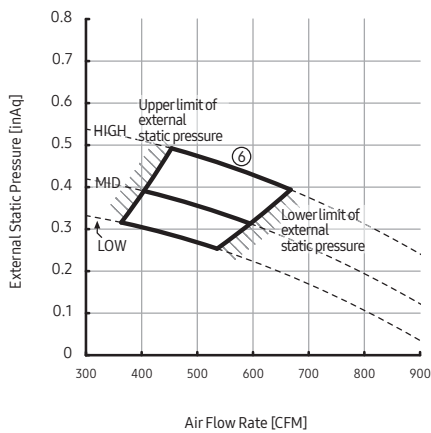
④	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E549E-202323-331100



⑤	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E55E4-202323-331100



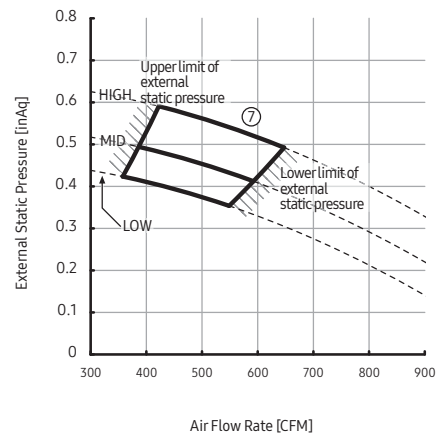
⑥	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E5938-202323-331100



8. Fan Characteristics

4) AM012ANMDCH/AA

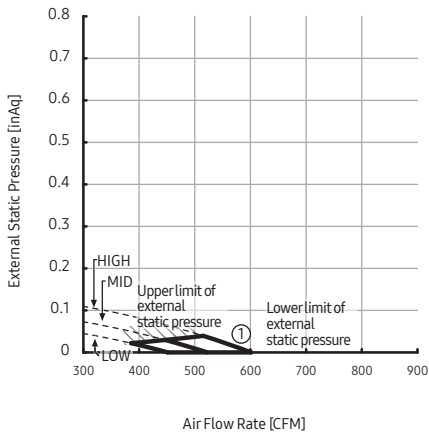
⑦	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E597E-202323-331100



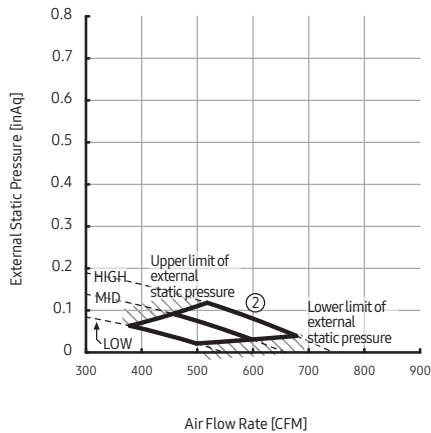
8. Fan Characteristics

5) AM015ANMDCH/AA

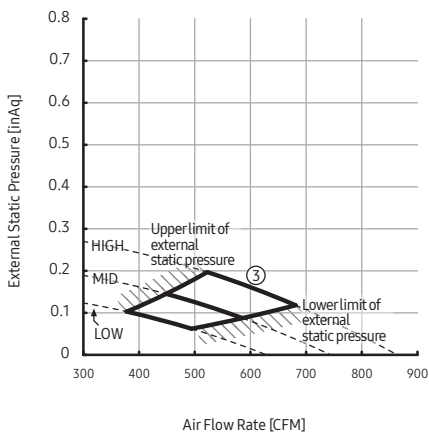
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	010054-1E5082-202C2C-331100



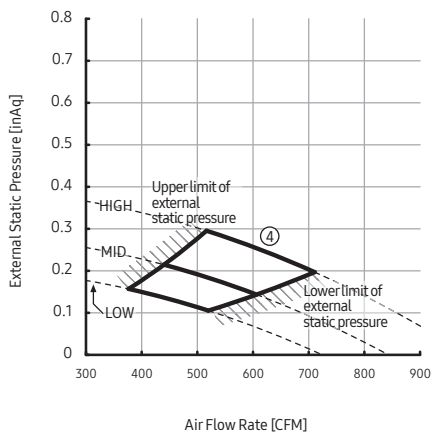
②	External Static Pressure(inAq)	Option Code
	0.04<SP≤0.12	010054-1E50E6-202C2C-331100



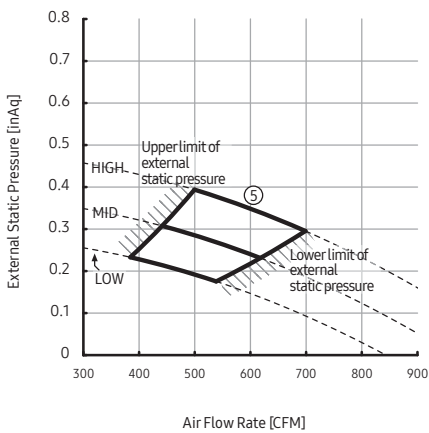
③	External Static Pressure(inAq)	Option Code
	0.12<SP≤0.20	010054-1E5449-202C2C-331100



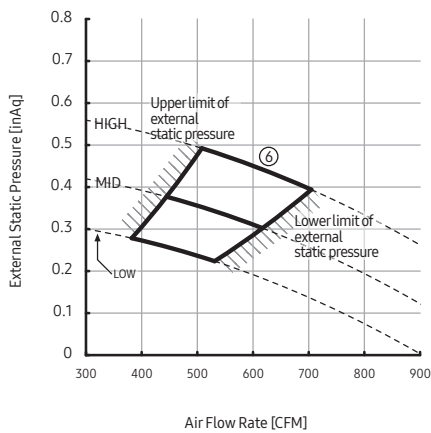
④	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54AD-202C2C-331100



⑤	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E55F3-202C2C-331100



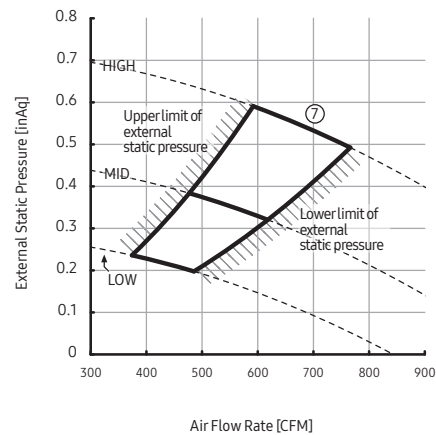
⑥	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E5946-202C2C-331100



8. Fan Characteristics

5) AM015ANMDCH/AA

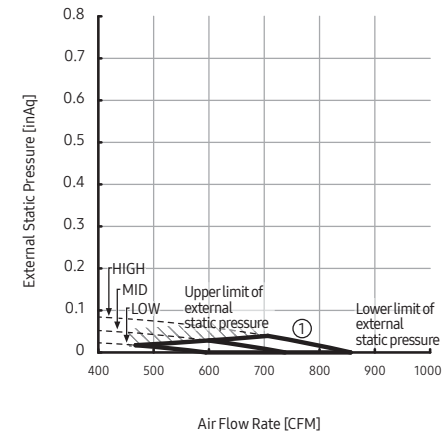
⑦	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E59A3-202C2C-331100



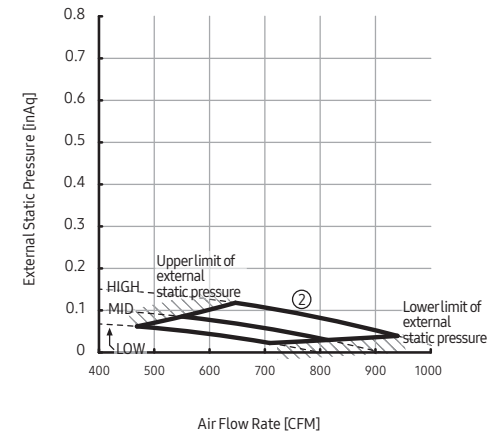
8. Fan Characteristics

6) AM018ANMDCH/AA

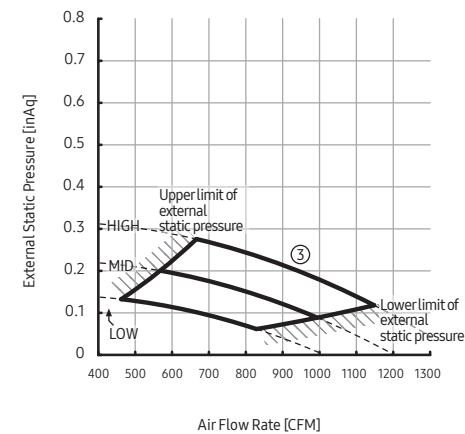
①	External Static Pressure(inAq)	Option Code
	0≤SP≤0.04	010054-1E5084-203535-331110



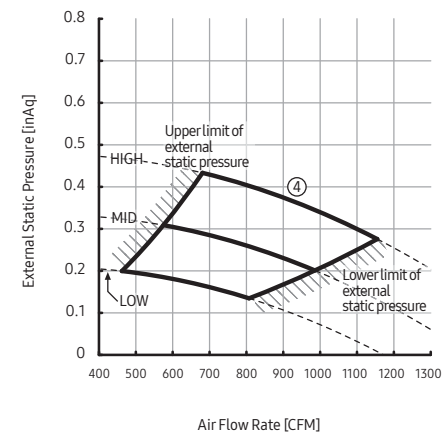
②	External Static Pressure(inAq)	Option Code
	0.04<SP≤0.12	010054-1E50C7-203535-331110



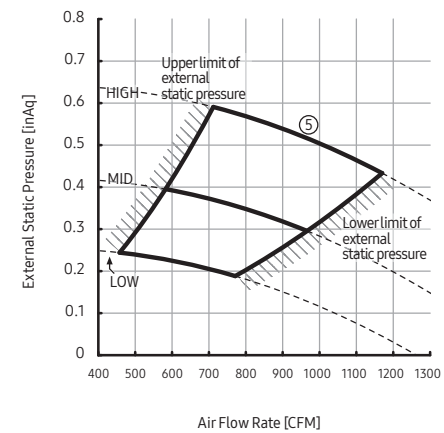
③	External Static Pressure(inAq)	Option Code
	0.12<SP≤0.28	010054-1E547B-203535-331110



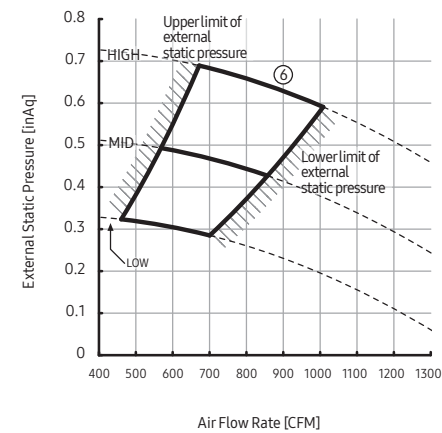
④	External Static Pressure(inAq)	Option Code
	0.28<SP≤0.43	010054-1E5900-203535-331110



⑤	External Static Pressure(inAq)	Option Code
	0.43<SP≤0.59	010054-1E5983-203535-331110



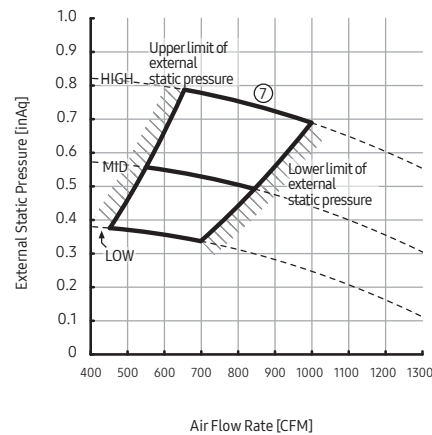
⑥	External Static Pressure(inAq)	Option Code
	0.59<SP≤0.69	010054-1E59C8-203535-331110



8. Fan Characteristics

6) AM018ANMDCH/AA

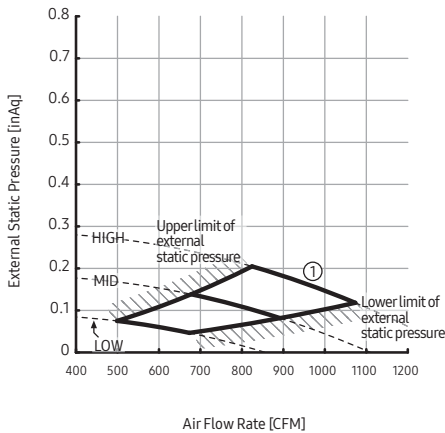
⑦	External Static Pressure(inAq)	Option Code
	0.69<SP≤0.79	010054-1E5D0B-203535-331110



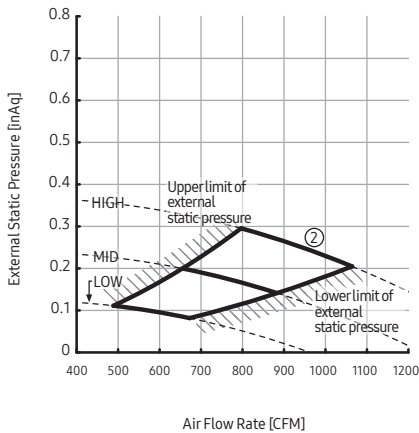
8. Fan Characteristics

7) AM024ANHDCH/AA

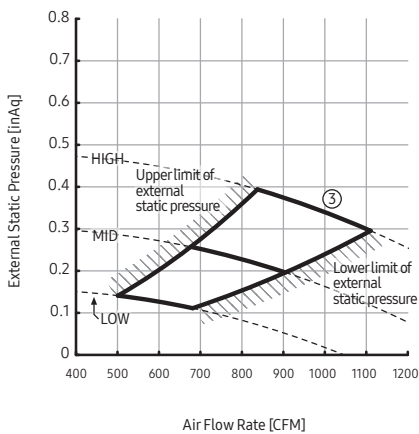
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5458-204646-331110



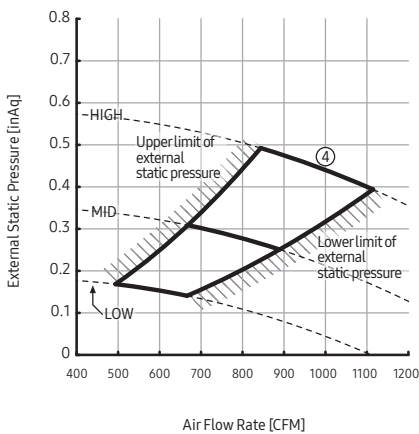
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54AA-204646-331110



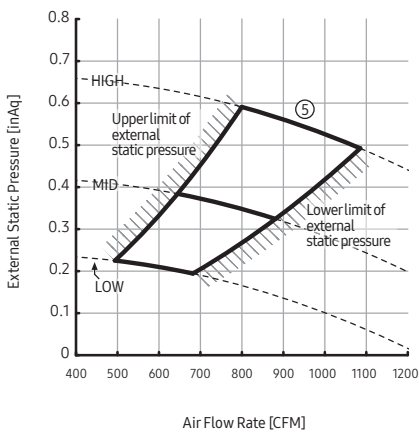
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E580C-204646-331110



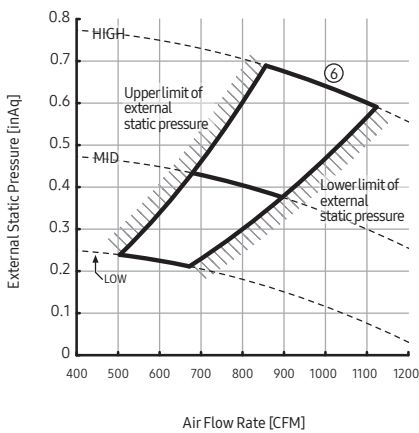
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E585E-204646-331110



⑤	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E5992-204646-331110



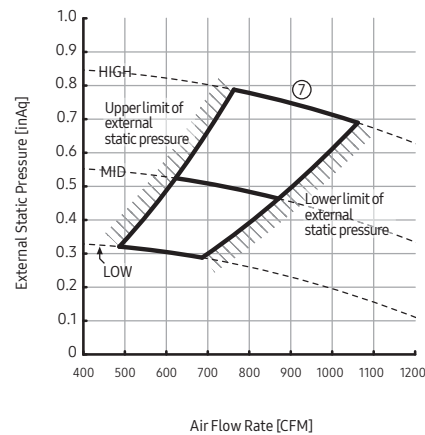
⑥	External Static Pressure(inAq)	Option Code
	0.59<SP≤0.69	010054-1E59E3-204646-331110



8. Fan Characteristics

7) AM024ANHDCH/AA

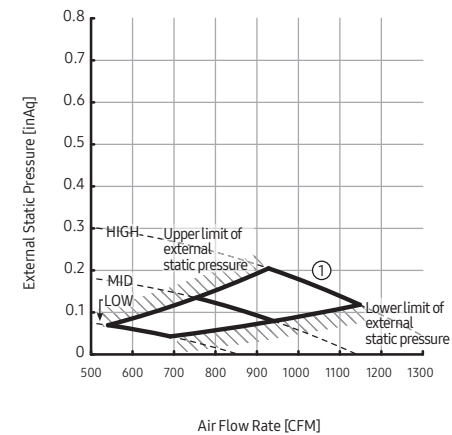
⑦	External Static Pressure(inAq)	Option Code
	0.69<SP≤0.79	010054-1E5D18-204646-331110



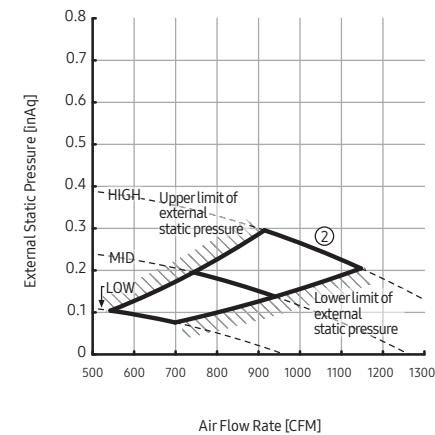
8. Fan Characteristics

8) AM027ANHDCH/AA

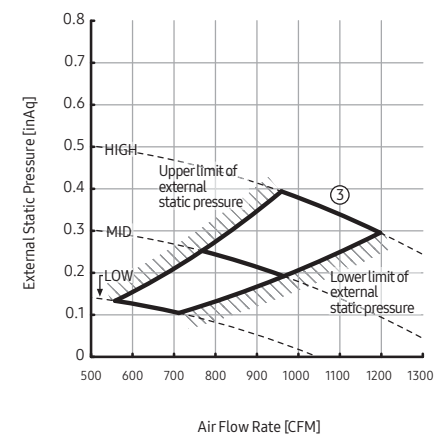
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5478-204F4F-331110



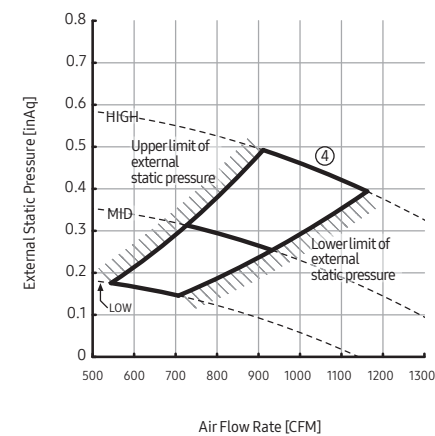
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54CA-204F4F-331110



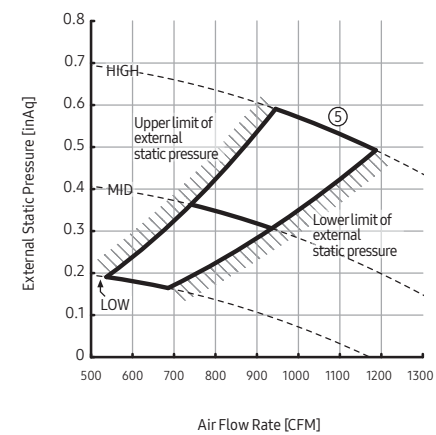
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E582C-204F4F-331110



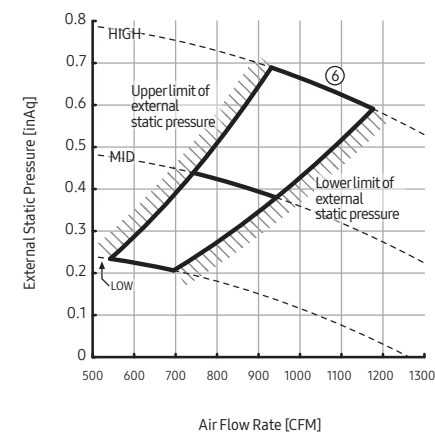
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E586F-204F4F-331110



⑤	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E59B0-204F4F-331110



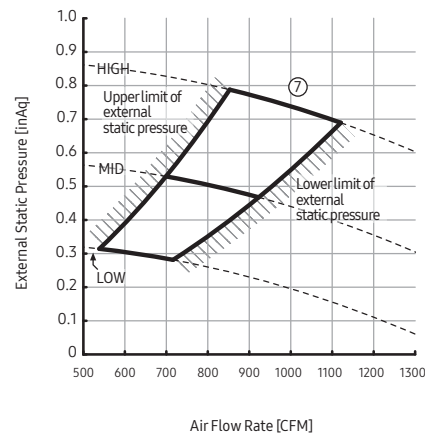
⑥	External Static Pressure(inAq)	Option Code
	0.59<SP≤0.69	010054-1E59F3-204F4F-331110



8. Fan Characteristics

8) AM027ANHDCH/AA

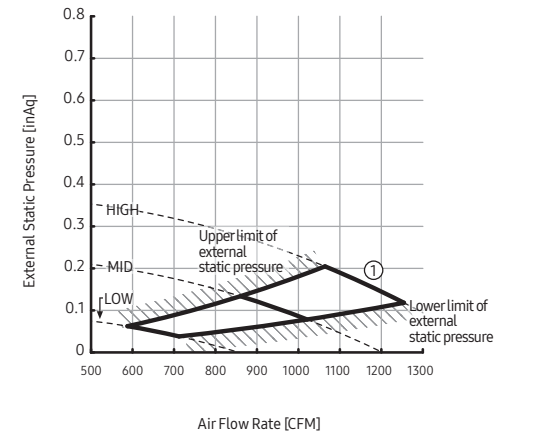
⑦	External Static Pressure(inAq)	Option Code
	0.69<SP≤0.79	010054-1E5D28-204F4F-331110



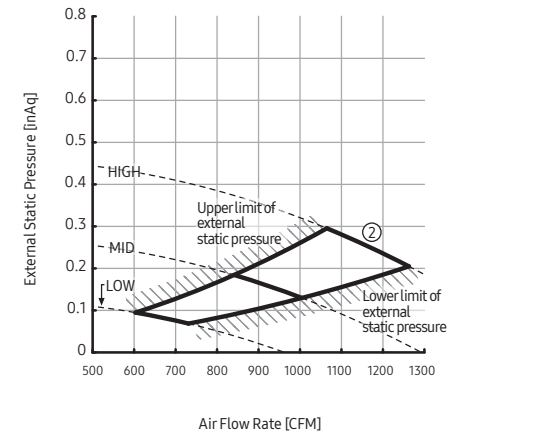
8. Fan Characteristics

9) AM030ANHDCH/AA

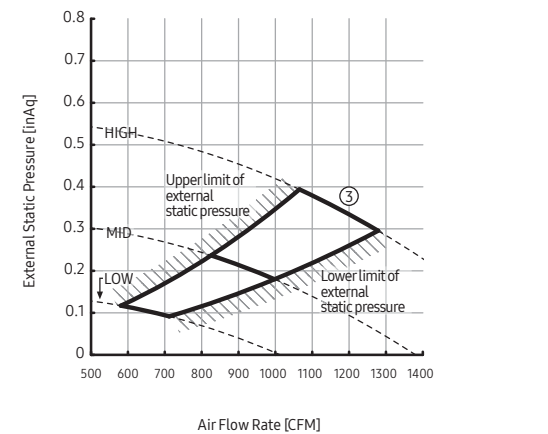
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E54A8-205858-331110



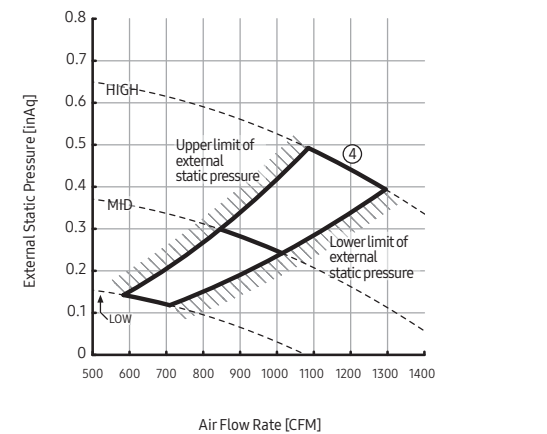
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54FA-205858-331110



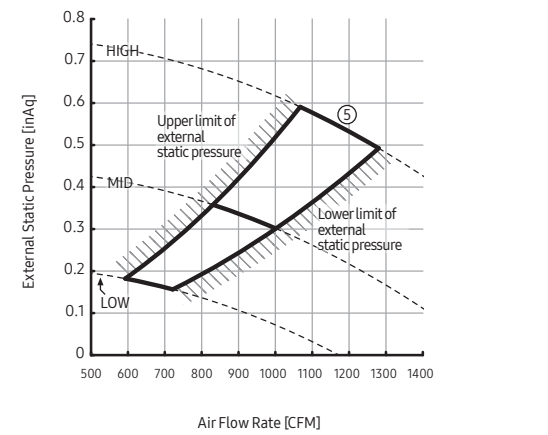
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E584B-205858-331110



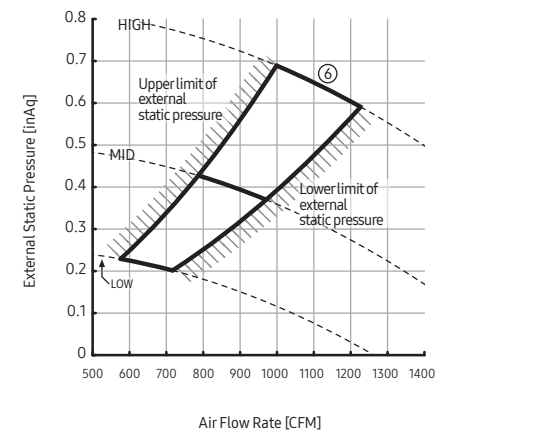
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E589D-205858-331110



⑤	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E59D0-205858-331110



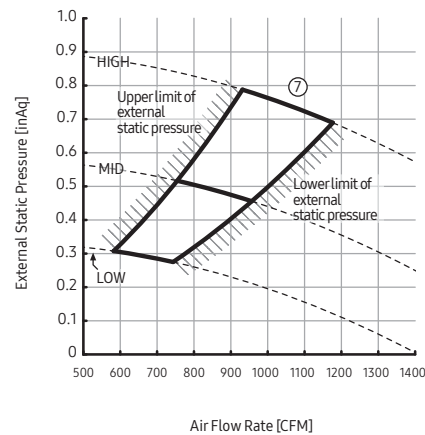
⑥	External Static Pressure(inAq)	Option Code
	0.59<SP≤0.69	010054-1E5D03-205858-331110



8. Fan Characteristics

9) AM030ANHDCH/AA

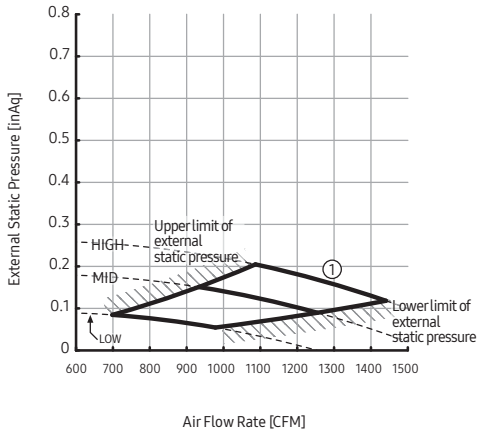
⑦	External Static Pressure(inAq)	Option Code
	0.69<SP≤0.79	010054-1E5D38-205858-331110



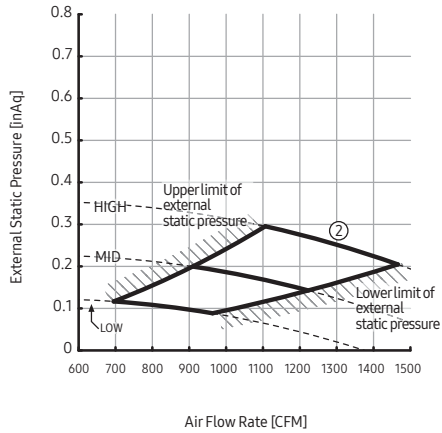
8. Fan Characteristics

10) AM036ANHDCH/AA

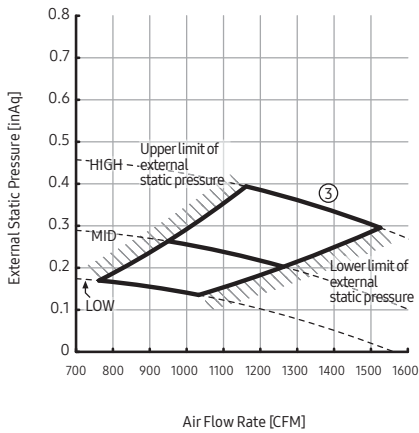
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5406-206A6A-331120



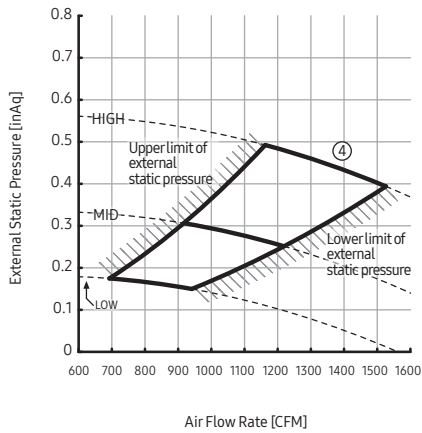
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E5458-206A6A-331120



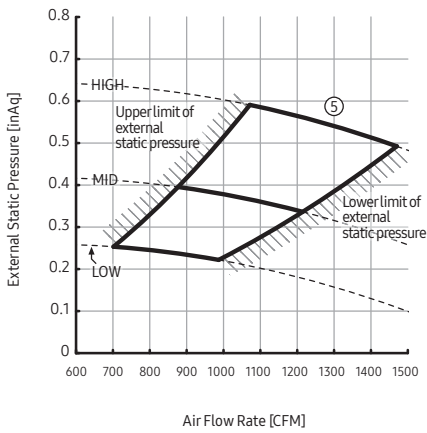
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E54AB-206A6A-331120



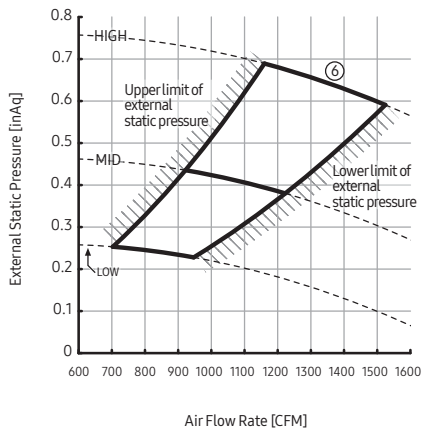
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E54EB-206A6A-331120



⑤	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E5910-206A6A-331120



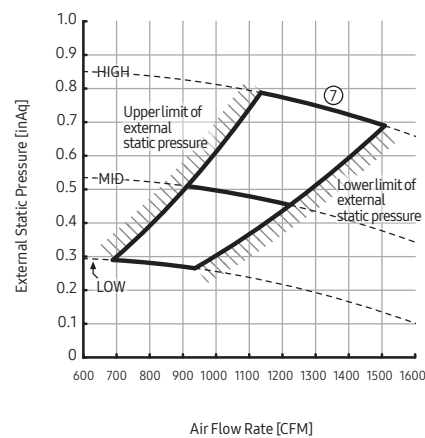
⑥	External Static Pressure(inAq)	Option Code
	0.59<SP≤0.69	010054-1E5950-206A6A-331120



8. Fan Characteristics

10) AM036ANHDC/AA

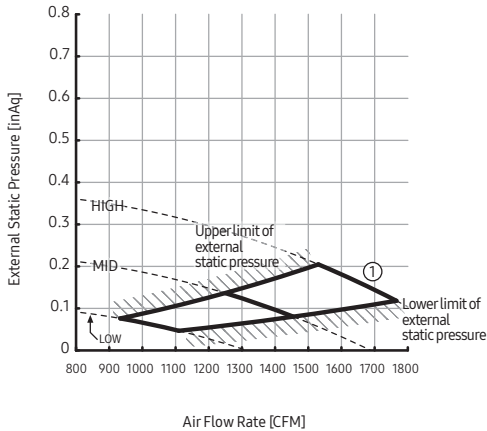
⑦	External Static Pressure(inAq)	Option Code
	0.69<SP≤0.79	010054-1E5982-206A6A-331120



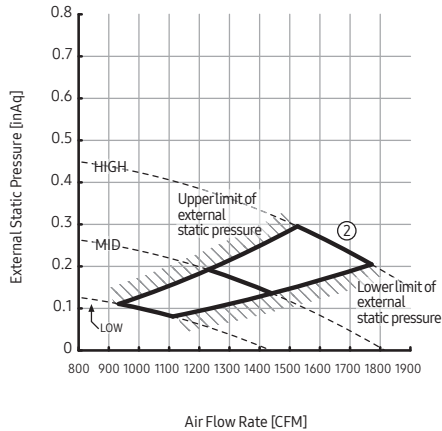
8. Fan Characteristics

11) AM048ANHDC/AA

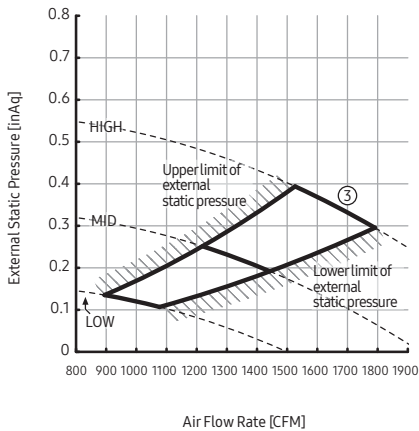
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5467-208D8D-331120



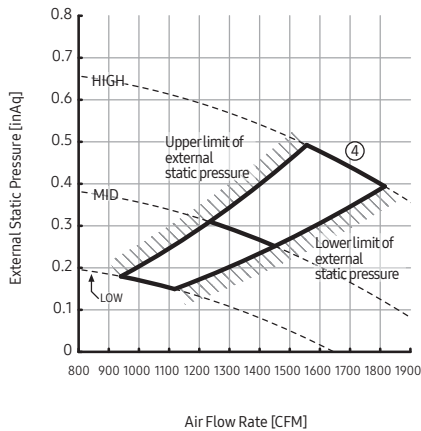
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54A9-208D8D-331120



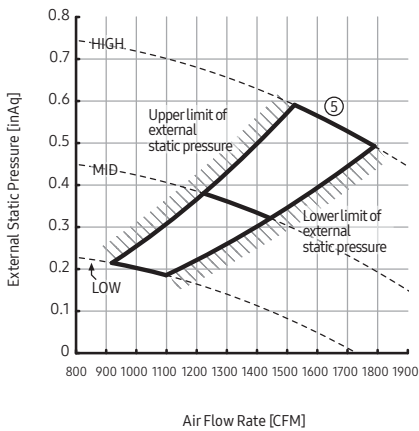
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E54EA-208D8D-331120



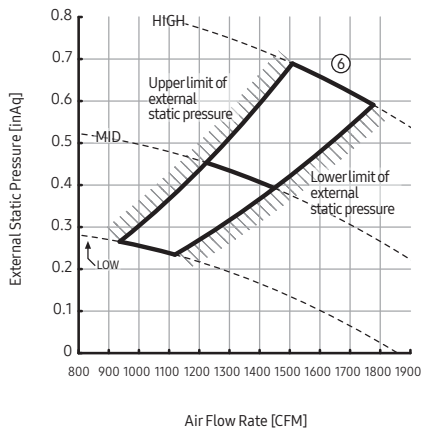
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E582D-208D8D-331120



⑤	External Static Pressure(inAq)	Option Code
	0.49<SP≤0.59	010054-1E585F-208D8D-331120



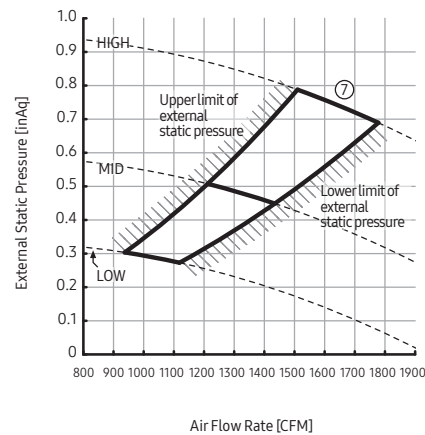
⑥	External Static Pressure(inAq)	Option Code
	0.59<SP≤0.69	010054-1E5982-208D8D-331120



8. Fan Characteristics

11) AM048ANHDCH/AA

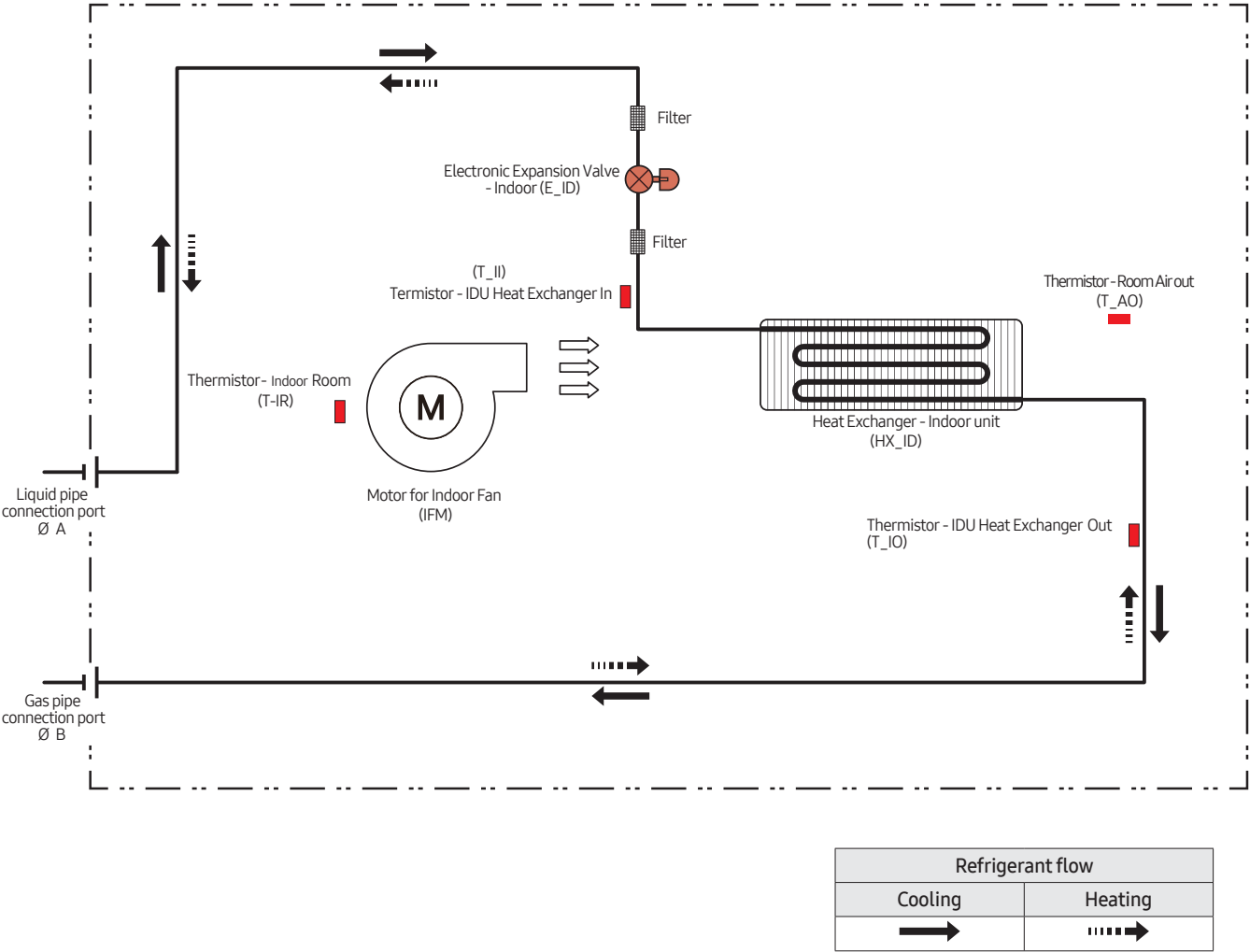
⑦	External Static Pressure(inAq)	Option Code
	0.69<SP≤0.79	010054-1E59B4-208D8D-331120



9. Piping Diagram

Duct S

EEV included Model



Unit : mm (inch)

MODEL	A	B
AM006ANMDCH/AA	6.35 (1/4)	12.7 (1/2)
AM007ANMDCH/AA		
AM009ANMDCH/AA		
AM012ANMDCH/AA		
AM015ANMDCH/AA		
AM018ANMDCH/AA	9.52 (3/8)	15.88 (5/8)
AM024ANHDCH/AA		
AM027ANHDCH/AA		
AM030ANHDCH/AA		
AM036ANHDCH/AA		
AM048ANHDCH/AA		

10. Installation

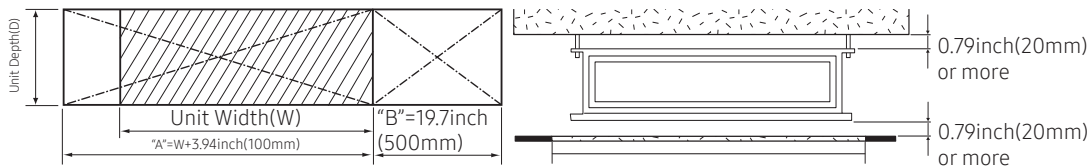
Selecting the installation location

Indoor Unit

- There must be no obstacles near the air inlet and outlet.
- Install the indoor unit on a ceiling that can support its weight.
- Maintain sufficient clearance around the indoor unit.
- Make sure that the water dripping from the drain hose runs away correctly and safely.
- The indoor unit must be installed in this way, that they are out of public access. (Not touchable by the users)
- After connecting a chamber, insulate the connection part between the indoor unit and the chamber with t10 or thicker insulation. Otherwise, there can be air leak or dew from the connection part.
- Rigid wall without vibration.
- Where it is not exposed to direct sunshine.
- Where the air filter can be removed and cleaned easily.

Space requirements for installation & service

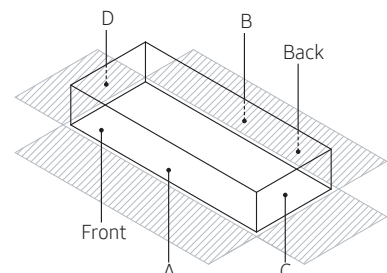
- Construction Standard for Inspection Hole.
 - 1) In case, the ceiling is textile, Inspection hole dose not need.
 - 2) In case, the ceiling is plaster board, Inspection hole depends on Inside height of the ceiling.
 - a. Height is more than 1.64ft(0.5m) : Only "B" [Inspection for PBA] is applied.
 - b. Height is less than 1.64ft(0.5m) : Both "A" & "B" are applied.
 - c. "A" & "B" are inspection holes.



- You must have 0.79inch (20mm) or more space between the ceiling and the bottom of indoor unit. Otherwise, the noise from the vibration of indoor unit may bother the user. When the ceiling is under construction, the hole for check-up must be made to take service, clean and repair the unit.
- It is possible to install the unit at an height of between 7.3~8.3ft(2.2~2.5m) from the ground, if the unit has a duct with a well defined lenght (11.81inch(300mm) or more), to avoid fan motor blower contact.

Insulation Guide

- Insulate the end of the pipe and some curved area by using separate insulator.
- Insulate the discharge and suction part at the same time when you insulate connection duct.
- If the humidity is over 80%, it is required to add 0.39inch(10mm) polyethylene foam or other similar insulation to the indoor unit when installing belt or pipe type indoor unit on the ceiling.



※ 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.

10. Installation

Thickness: more than 0.39inch (10mm)

Indoor unit		A	B	C	D	E	Front	Back
Global Duct AM※※NMD※ (Drain pump built-in)	※006※/※007※/※009/ ※012※/015※ 33.46x27.56x9.84 (850x700x250)	33.46"x27.56" (850x700)	33.46"x27.56" (850x700)	27.56"x9.84" (700x250)	27.56"x9.84" (700x250)	-	Insulate the front and back side in proper size at the same time when insulating the suction duct and discharge duct.	
	※018※ 47.24x27.56x9.84 (1200x700x250)	47.24"x27.5" (1200x700)	47.24"x27.5" (1200x700)	27.56"x9.84" (700x250)	27.56"x9.84" (700x250)	-		
Global Duct AM※※NHD※ (Drain pump built-in)	※024※/※027※/※030※ 47.24x27.56x9.84 (1200x700x250)	47.24"x27.5" (1200x700)	47.24"x27.5" (1200x700)	27.56"x9.84" (700x250)	27.56"x9.84" (700x250)	-		
	※036※/※048※ 51.18x27.56x11.81 (1300x700x300)	51.18"x27.56" (1300x700)	51.18"x27.56" (1300x700)	27.56"x11.81" (700x300)	27.56"x11.81" (700x300)	-		

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10. Installation

Indoor unit installation

It is recommended to install the Y-joint before installing the indoor unit.

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

NOTE

- Since the diagram is made of paper, it may shrink or stretch slightly due to temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.
- Pattern sheet is supplied depending on the model type.

- (2) Insert bolt anchors, use existing ceiling supports or construct a suitable support as shown in figure.

- (3) Install the suspension bolts depending on the ceiling type.

CAUTION

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

- (4) Screw eight nuts to the suspension bolts making space for hanging the indoor unit.

CAUTION

- You must install the suspension bolts more than four when installing the indoor unit.

- (5) Hang the indoor unit to the suspension bolts between two nuts.

NOTE

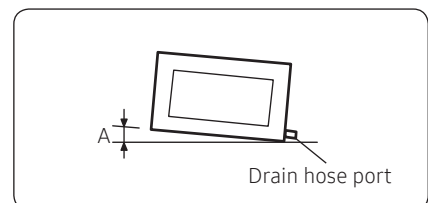
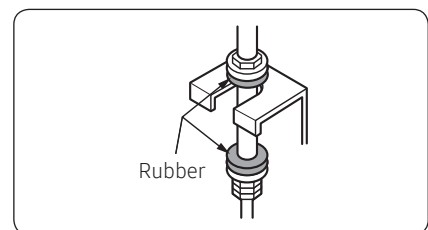
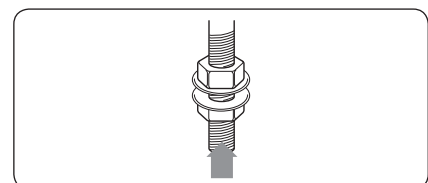
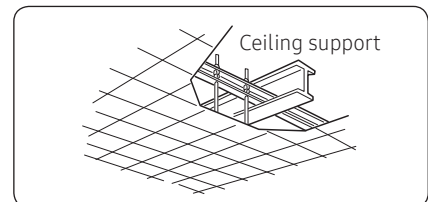
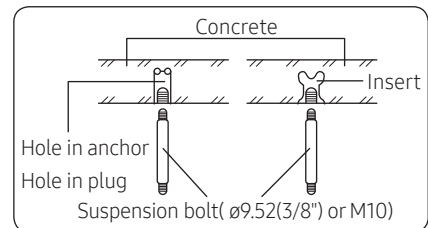
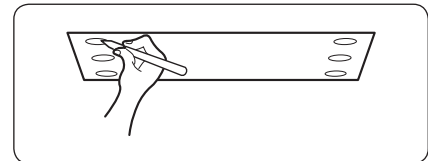
- Piping must be laid and connected inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the piping into position for connection to the unit before placing the unit inside the ceiling.

- (6) Screw the nuts to suspend the unit.

- (7) Adjust level of the unit by using measurement plate for all 4 sides.

NOTE

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



Unit	A
Duct S	0.39inch (10mm)

10. Installation

Drain pipe and drain hose installation

Care must be taken when installing the drain hose for the indoor unit to ensure that any condensate water is correctly drained outside. The drain hose can be installed to the right or left side of the base pan.

(1) Install the drain hose as short as possible.

NOTE

- In order to discharge condensation water, the drain hose should keep tilted.
- Secure the drain hose with the cable-tie not to be separated from the unit.
- The drain pump connection port is used when using a drain pump.

(2) When there is no draining pump, insulate the drain hose and then fix it as a picture.

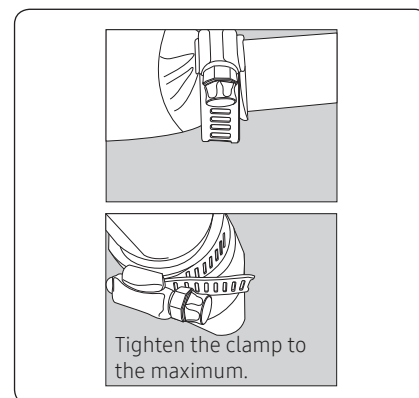
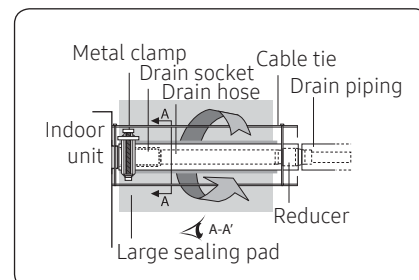
NOTE

- Insert the drain hose to bottom of the outfall of water basin.
- Lock steel ring of the drain hose according to the figure.
- Wind and wrap steel ring and drain hose fully with thermal insulation sponge; fix both ends of external layer with ribbon for thermal insulation.
- After being installed, drain hose must be insulated fully by heat insulating material.(To be provided at site.)

(3) While using draining pump, insulate the drain hose with heat insulating material according to the figure.

NOTE

- Check if the rubber ring is installed properly on the draining pump.
- Check if the drain cap blocks the outfall of drain pan properly.



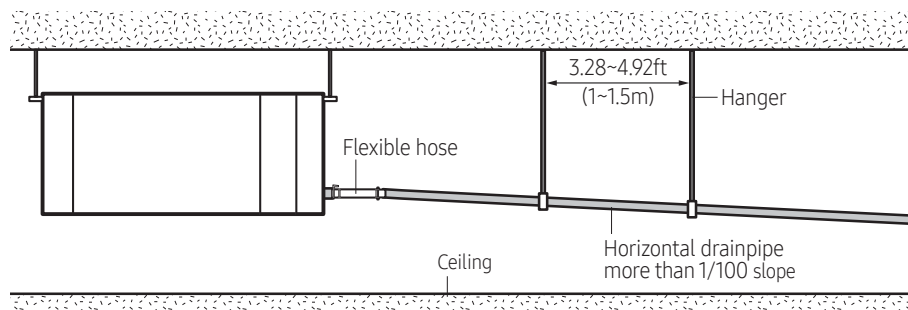
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10. Installation

Drainpipe Connection

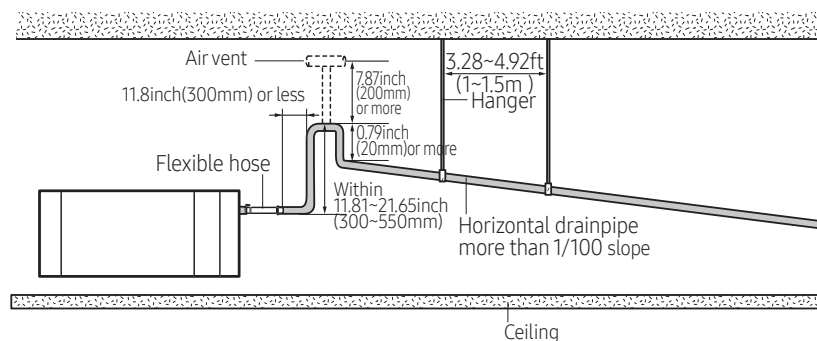
Without the drain pump

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



With the drain pump

- 1) The drain pipe should be installed within 11.81inch(300mm) to 21.65inch(550mm) from the flexible hose and then lift down 0.79inch(20mm) or more.
- 2) Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 3.28~4.92ft(1.0~1.5m).
- 3) Install the air vent in the horizontal drainpipe to prevent water flow back to the indoor unit.
You may not need to install it if there were proper slope in the horizontal drainpipe.
- 4) The flexible hose should not be installed upward position, it may cause water flow back to the indoor unit.



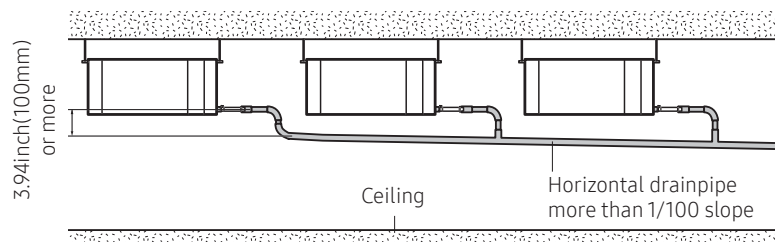
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10. Installation

Centralized Drainage

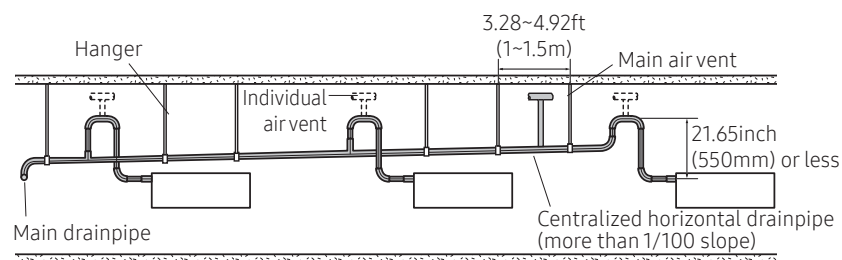
Without the drain pump

- (1) Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 3.28~4.92ft(1~1.5m).
- (2) Install U-trap at the end of the drainpipe to prevent a nasty smell to reach the indoor unit.



With the drain pump

- (1) Install main air vent at the front of the farthest indoor unit from the main drain when installed indoor units are more than 3.
- (2) You may need to install individual air vent to prevent water flow back at the top of each indoor unit drainpipe.



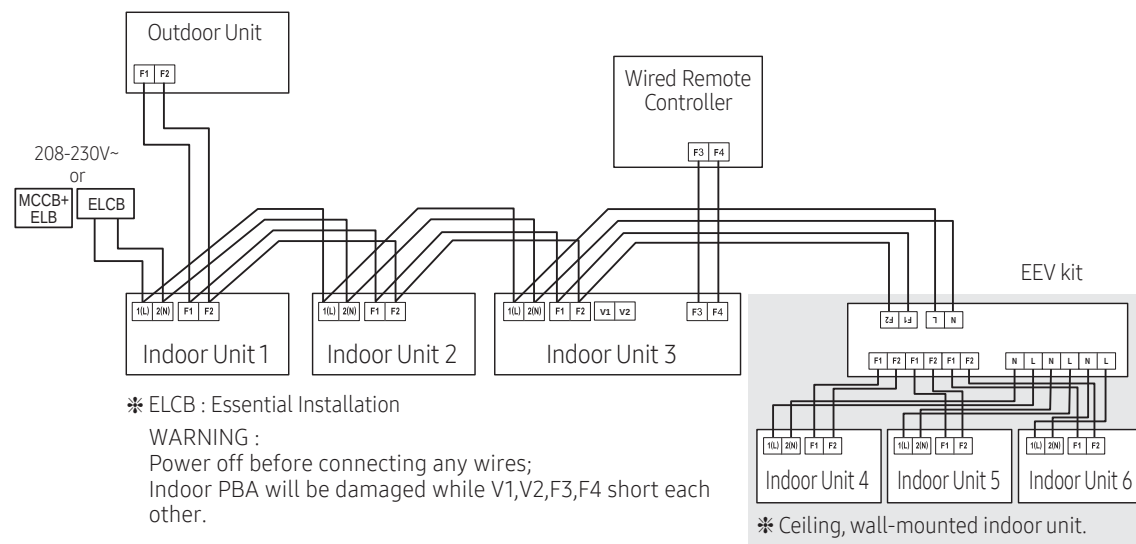
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10. Installation

Wiring work

Power and communication cable connection

- 1) Before wiring work, you must turn off all power source
- 2) Indoor unit power should be supplied through the breaker(ELCB or MCCB+ELB) separated by the outdoor power.
ELCB:Earth Leakage Circuit Breaker
MCCB:Molded Case Circuit Breaker
ELB:Earth Leakage Breaker
- 3) The power cable should be used only copper wires.
- 4) Connect the power cable{1(L), 2(N)} among the units within maximum length and communication cable(F1, F2) each.
- 5) Connect F3, F4(for communication) when installing the wired remote control.



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10. Installation

Specification of electronic wire

Power supply	MCCB	ELB or ELCB	Power cable	Earth cable	Communication cable
Max : 253V Min : 187V	XA	XA, 30mA 0.1 sec	0.0039inch ² (2.5mm ²)	0.0039inch ² (2.5mm ²)	0.0012~0.0023inch ² (0.75~1.5mm ²)

- Decide the capacity of ELCB (or MCCB+ELB) by below formula.

The capacity of ELCB (or MCCB+ELB) X [A] = 1.25 X 1.1 X ΣA_i

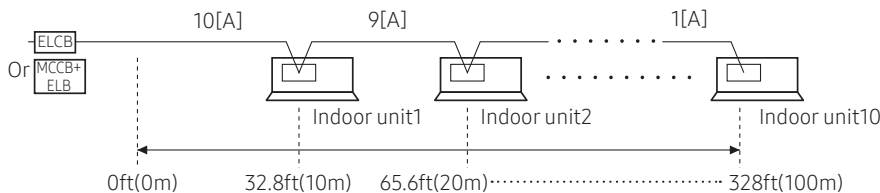
 - X : The capacity of ELCB (or MCCB+ELB).
 - ΣA_i : Sum of Rating currents of each indoor unit.
 - Refer to each installation manual about the rating current of indoor unit.
- Decide the power cable specification and maximum length within 10% power drop among indoor units.

$$\sum_{k=1}^n \left(\frac{\text{Coef} \times 35.6 \times L_k \times i_k}{1000 \times A_k} \right) < 10\% \text{ of input voltage [V]}$$

- coef: 1.55
- L_k: Distance among each indoor unit[m(ft)], A_k: Power cable specification[mm² (inch²)]
- i_k: Running current of each unit[A]

Example of Installation

- Total power cable length L = 328ft(100m) , Running current of each units 1[A]
- Total 10 indoor units were installed



- Apply following equation.

$$\sum_{k=1}^n \left(\frac{\text{Coef} \times 35.6 \times L_k \times i_k}{1000 \times A_k} \right) < 10\% \text{ of input voltage [V]}$$

- Calculation
 - Installing with 1 sort wire.

$$\begin{aligned} & \frac{0.0039\text{inch}^2(2.5\text{mm}^2)}{220[V]} - 2.2[V] \\ & \frac{0.0039\text{inch}^2(2.5\text{mm}^2)}{-(2.2+2.0+1.8+1.5+1.3+1.1+0.9+0.7+0.4+0.2)} = -11.2[V] \\ & 208.8[V] \text{ (Within 187V~253V)} \\ & \text{it's okay} \end{aligned}$$

- Installing with 2 different sort wire.

$$\begin{aligned} & \frac{0.0062\text{inch}^2(4.0\text{mm}^2)}{220[V]} - 1.4[V] \\ & \frac{0.0062\text{inch}^2(4.0\text{mm}^2)}{-(1.4+1.2+1.8+1.5+1.3+1.1+0.9+0.7+0.4+0.2)} = -10.5[V] \\ & 209.5[V] \text{ (Within 187V~253V)} \\ & \text{it's okay} \end{aligned}$$

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10. Installation

- Rating current

Unit	Model	Rating current	Unit	Model	Rating current
AM*ANMD*	*006*	0.30A	AM*ANHD*	*024*	0.70A
	007	0.30A		*027*	0.80A
	009	0.30A		*030*	1.00A
	012	0.30A		*036*	1.20A
	015	0.40A		*048*	1.50A
	018	0.50A			

CAUTION

- Select the power cable in accordance with relevant local and national regulations.
- Wire size must comply with local and national code.
- For the power cable, use the grade of H07RN-F or H05RN-F materials.
- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 10% of supply rating among whole indoor units.
- If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 10% of supply rating, the indoor unit is protected, stopped and the error mode indicates.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units in the iron pipe.
- Connect the power cable to the auxiliary circuit breaker.
An all pole disconnection from the power supply must be incorporated in the fixed wiring [$\geq 1/8$ "(3mm)].
- You must keep the cable in a protection tube.
- Keep distances of 2"(50mm) or more between power cable and communication cable.
- Maximum length of power cables are decided within 10% of power drop. If it exceeds, you must consider another power supplying method.
- The circuit breaker(ELCB or MCCB+ELB) should be considered more capacity if many indoor units are connected from one breaker.
- Use round pressure terminal for connections to the power terminal block.
- For wiring, use the designated power cable and connect it firmly, then secure to prevent outside pressure being exerted on the terminal board.
- Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- Over-tightening the terminal screws may break them.
- See the table below for tightening torque for the terminal screws.

Tightening torque		
M3.5	0.8~1.2 N·m	0.59~0.89 lbf·ft
M4	1.2~1.8 N·m	0.89~1.33 lbf·ft

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