

VHID

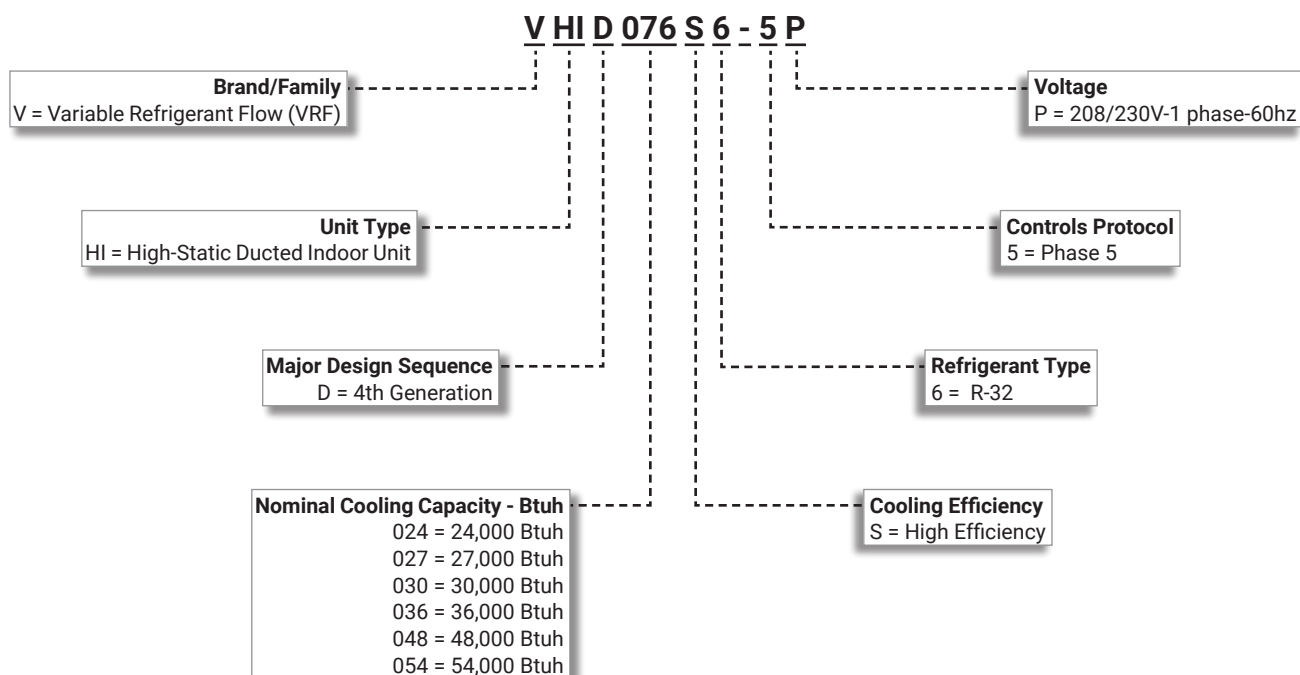
High-Static Concealed Ducted Indoor Units | **R-32** | 60Hz

24,000 to 54,000 Btuh

COMMERCIAL PRODUCT SPECIFICATIONS (EHB)



MODEL NUMBER IDENTIFICATION



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2. Specification

High Static Duct - VHID

Model Name				VHID024S6-5P	VHID027S6-5P	VHID030S6-5P
Power Supply			Φ, #, V, Hz	1,208-230,60	1,208-230,60	1,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Btu/h	24,000	27,000	30,000
			US RT	2.00	2.25	2.50
		Heating	Btu/h	27,000	30,000	34,000
			US RT	2.25	2.50	2.83
Power	Power Input	Cooling	W	90	110	140
		Heating	W	90	110	140
	Current Input	Cooling	A	0.70	0.80	1.20
		Heating	A	0.70	0.80	1.20
	Current	MCA	A	2.41	2.69	2.95
		MOP	A	15	15	15
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Blue Hydrophile	Blue Hydrophile	Blue Hydrophile
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	3	3	3
	Air Flow Rate	High / Med / Low	CMM	23.0 / 19.0 / 14.0	26.0 / 21.0 / 15.0	28.0 / 23.0 / 16.5
			CFM	812 / 671 / 494	918 / 742 / 530	989 / 812 / 583
			l/s	383 / 317 / 233	433 / 350 / 250	467 / 383 / 275
	External Pressure	Min/Std/Max	mmAq	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
			In Wg	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.79
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W × n	153 × 1	153 × 1	153 × 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Heat insulation		-	Both liquid & gas pipes	Both liquid & gas pipes	Both liquid & gas pipes
Wiring Connections	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Communication	Min.	mm²	0.75	0.75	0.75
			AWG	18	18	18
		Remark		-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Level	Sound Pressure Level	High / Med / Low	dB(A)	36/32/28	37/33/29	38/34/30
	Sound Power Level	Cooling	dB(A)	62	63	64
Dimensions	Net Weight		kg	34.2	34.2	34.2
			lbs	75.4	75.4	75.4
	Shipping Weight		kg	38.9	38.9	38.9
			lbs	85.8	85.8	85.8
	Net Dimensions (W×H×D)		mm	1,200 x 250 x 700	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	47.24 x 9.84 x 27.56
	Shipping Dimensions (W×H×D)		mm	1,429 x 320 x 779	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	56.26 x 12.60 x 30.67
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	29.53 / 6.34	29.53 / 6.34	29.53 / 6.34
	Air Filter		-	-	-	-

• 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 7.5m(24.6ft), Level differences : 0m(0ft)

2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

3) These products contain R32 (GWP=675) which is fluorinated greenhouse gas.

4) Select wire size based on the value of MCA

2. Specification

High Static Duct - VHID

Model Name				VHID036S6-5P	VHID048S6-5P	VHID054S6-5P
Power Supply			Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Btu/h	36,000	48,000	54,000
			US RT	3.00	4.00	4.50
		Heating	Btu/h	40,000	54,000	61,400
			US RT	3.33	4.50	5.12
Power	Power Input	Cooling	W	130	220	300
		Heating	W	130	220	300
	Current Input	Cooling	A	1.20	1.50	2.45
		Heating	A	1.20	1.50	2.45
	Current	MCA	A	3.11	3.40	4.30
		MOP	A	15	15	15
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Blue Hydrophile	Blue Hydrophile	Blue Hydrophile
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	3	3	3
	Air Flow Rate	High / Med / Low	CMM	31.0 / 26.0 / 20.0	43.0 / 36.0 / 25.0	45.0 / 35.0 / 25.0
			CFM	1,095 / 918 / 706	1,519 / 1,271 / 883	1,589 / 1,236 / 883
			l/s	517 / 433 / 333	717 / 600 / 417	750 / 583 / 417
	External Pressure	Min/Std/Max	mmAq	3 / 5.2 / 20	3 / 5.2 / 20	3 / 5.2 / 15
			Pa	29.4 / 51.0 / 196.1	29.4 / 51.0 / 196.1	29.4 / 51.0 / 147.1
			In Wg	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.79	0.12 / 0.20 / 0.59
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W × n	350 × 1	350 × 1	350 × 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Heat insulation		-	Both liquid & gas pipes	Both liquid & gas pipes	Both liquid & gas pipes
Wiring Connections	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
	Communication	Min.	mm²	0.75	0.75	0.75
			AWG	18	18	18
		Remark		-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Level	Sound Pressure Level	High / Med / Low	dB(A)	37/34/30	42/38/34	43/39/35
	Sound Power Level	Cooling	dB(A)	62	66	65
Dimensions	Net Weight		kg	44.5	44.5	44.5
			lbs	98.1	98.1	98.1
	Shipping Weight		kg	51.1	51.1	51.1
			lbs	112.7	112.7	112.7
	Net Dimensions (W×H×D)		mm	1,300 x 300 x 700	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	51.18 x 11.81 x 27.56
	Shipping Dimensions (W×H×D)		mm	1,529 x 370 x 779	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	60.20 x 14.57 x 30.67
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	29.53 / 6.34	29.53 / 6.34	29.53 / 6.34
	Air Filter		-	-	-	-

• 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 7.5m(24.6ft), Level differences : 0m(0ft)

2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

3) These products contain R32 (GWP=675) which is fluorinated greenhouse gas.

4) Select wire size based on the value of MCA

3. Summary Table

High Static Duct - VHID

Performance Characteristics

Model Code	Net Weight (lbs)	Fan Speed	Nominal Capacity(Btu/h)			Airflow (CFM)	Sound Pressure (dBA)	Sound Power (dBA)	Static Pressure (Min/Std/Max) [inAq]
			Cooling	Sensible	Heating				
VHID024S6-5P	75.4	High	24,000	18,300	27,000	812	36	62	0.12/0.20/0.79
		Mid	20,300	15,500	24,500	671	32	-	
		Low	15,000	11,400	21,100	494	28	-	
VHID027S6-5P	75.4	High	27,000	20,700	30,000	918	37	63	0.12/0.20/0.79
		Mid	22,400	17,200	27,000	742	33	-	
		Low	16,000	12,300	22,800	530	29	-	
VHID030S6-5P	75.4	High	30,000	23,000	34,000	989	38	64	0.12/0.20/0.79
		Mid	25,200	19,300	30,800	812	34	-	
		Low	18,200	14,000	26,100	583	30	-	
VHID036S6-5P	98.1	High	36,000	27,500	40,000	1095	37	62	0.12/0.20/0.79
		Mid	30,800	23,500	36,600	918	34	-	
		Low	23,900	18,300	32,100	706	30	-	
VHID048S6-5P	98.1	High	48,000	36,700	54,000	1519	42	66	0.12/0.20/0.79
		Mid	41,000	31,300	49,400	1271	38	-	
		Low	28,600	21,900	41,200	883	34	-	
VHID054S6-5P	98.1	High	54,000	41,300	61,400	1589	43	65	0.12/0.20/0.59
		Mid	43,200	33,000	54,200	1236	39	-	
		Low	30,600	23,400	45,800	883	35	-	

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Indoor Unit	Power Supply (Ø, #, V, Hz)	Power Input (W)	Current Input (A)	MCA (A)	MFA (A)	FLA (A)
VHID024S6-5P	1,2,208~230,60	90	0.7	2.41	15	1.93
VHID027S6-5P	1,2,208~230,60	110	0.8	2.69	15	2.15
VHID030S6-5P	1,2,208~230,60	140	1.2	2.95	15	2.36
VHID036S6-5P	1,2,208~230,60	130	1.2	3.11	15	2.49
VHID048S6-5P	1,2,208~230,60	220	1.5	3.4	15	2.72
VHID054S6-5P	1,2,208~230,60	300	2.45	4.3	15	3.44

NOTE

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

4. Capacity Table

High Static Duct - VHID

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor temperature (°F, DB)	Indoor temperature (°F, DB / WB)													
		57		61		64		67		70		72		75	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
VHID024S6-5P	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
VHID027S6-5P	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
VHID030S6-5P	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
VHID036S6-5P	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
VHID048S6-5P	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
VHID054S6-5P	95	37.5	32.9	44.0	37.1	50.6	40.2	54.0	41.3	56.0	41.3	59.9	41.3	63.7	40.6

Heating

TC : Total Capacity

Model	Outdoor temperature (°F, DB)		Indoor temperature (°F, DB)				
			61	65	70	72	75
			TC	TC	TC	TC	TC
	DB	WB	MBH	MBH	MBH	MBH	MBH
VHID024S6-5P	47	43	27.7	27.4	27.0	25.0	23.0
VHID027S6-5P	47	43	30.9	30.3	30.0	27.6	25.2
VHID030S6-5P	47	43	35.1	34.4	34.0	31.3	28.6
VHID036S6-5P	47	43	41.3	40.7	40.0	36.8	34.0
VHID048S6-5P	47	43	55.7	54.7	54.0	50.0	45.6
VHID054S6-5P	47	43	63.3	62.2	61.4	56.9	51.8

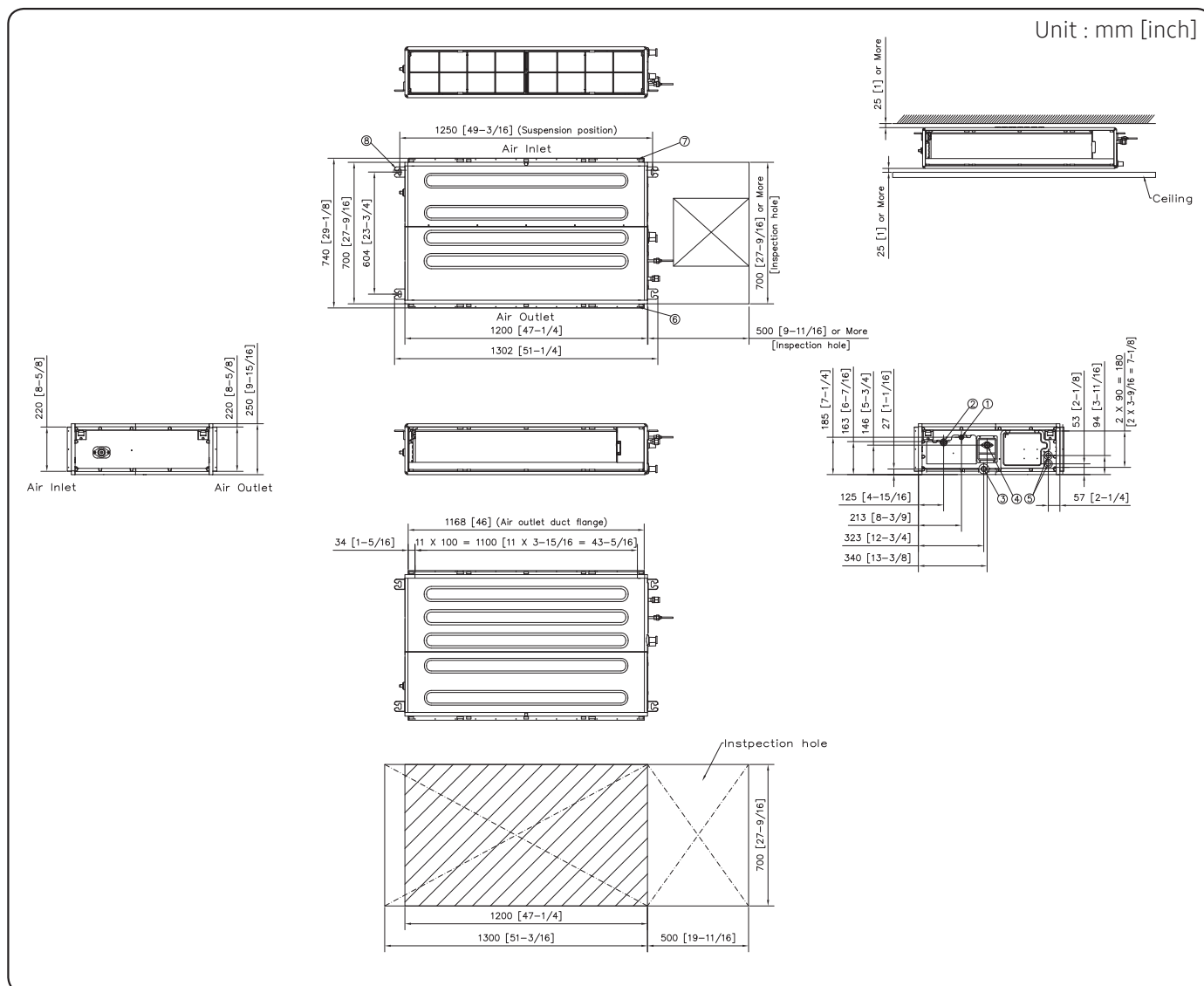
NOTE

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

5. Dimensional Drawing

High Static Duct - VHID

VHID024S6-5P, VHID027S6-5P, VHID030S6-5P

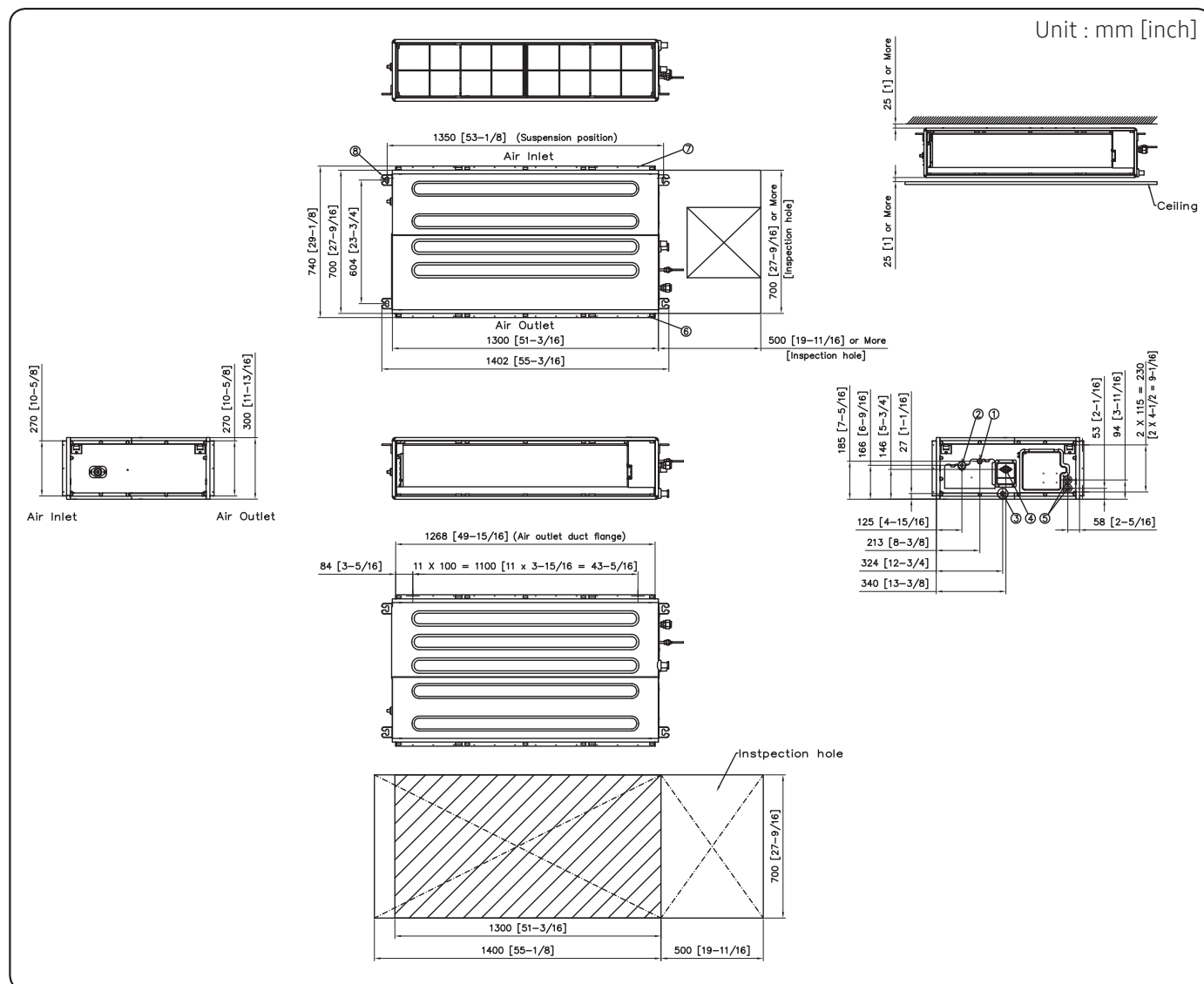


N.o	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)
2	Gas pipe connection	Φ15.88 (5/8)
3	Drain pipe connection (Without drain pump)	VP25 (OD 32, ID 25)
4	Drain pipe connection (With drain pump)	-
5	Power & Communication Conduits	-
6	Air discharge grille flange	-
7	Return Air Side	-
8	Hook	Ø9.52 or M10

5. Dimensional Drawing

High Static Duct - VHID

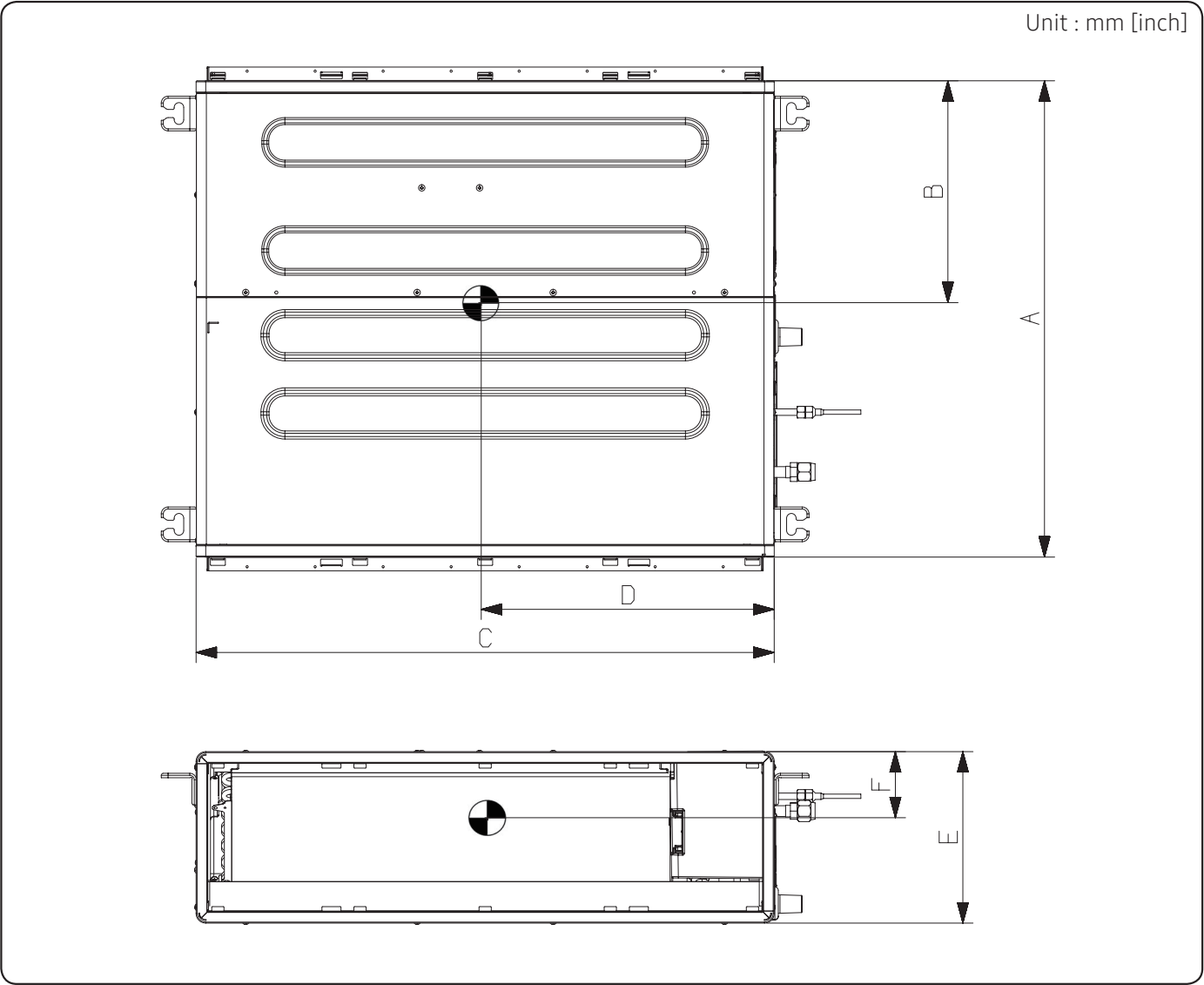
VHID036S6-5P, VHID048S6-5P, VHID054S6-5P



N.o	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)
2	Gas pipe connection	Φ15.88 (5/8)
3	Drain pipe connection (Without drain pump)	VP25 (OD 32, ID 25)
4	Drain pipe connection (With drain pump)	-
5	Power & Communication Conduits	-
6	Air discharge grille flange	-
7	Return Air Side	-
8	Hook	Ø9.52 or M10

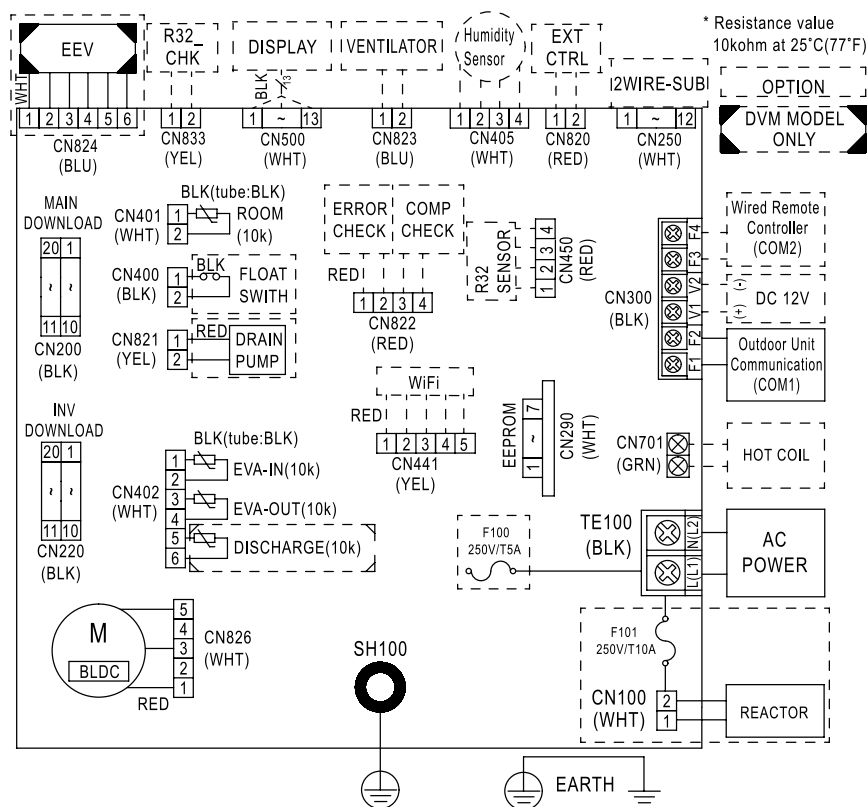
6. Center of Gravity

High Static Duct - VHID



Model	A	B	C	D	E	F
VHID024S6-5P VHID027S6-5P VHID030S6-5P	700 [27-9/16]	265 [10-7/16]	1200 [47-1/4]	540 [21-17/64]	250 [9-13/16]	125 [4-15/16]
VHID036S6-5P VHID048S6-5P VHID054S6-5P	700 [27-9/16]	265 [10-7/16]	1300 [51-3/16]	625 [24-39/64]	300 [11-13/16]	150 [5-15/16]

High Static Duct - VHID



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

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

 NOTE

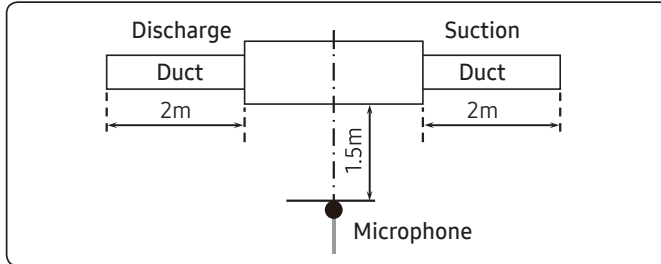
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
-  Protective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

8. Sound Data

High Static Duct - VHID

Sound Pressure level

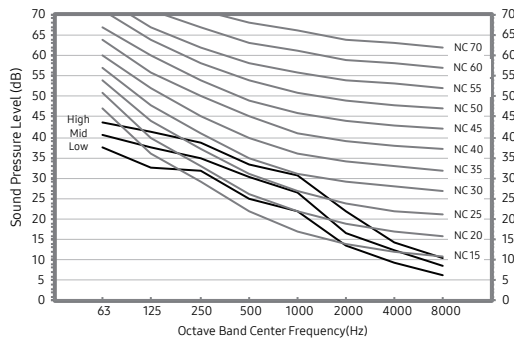
Unit: dB(A)



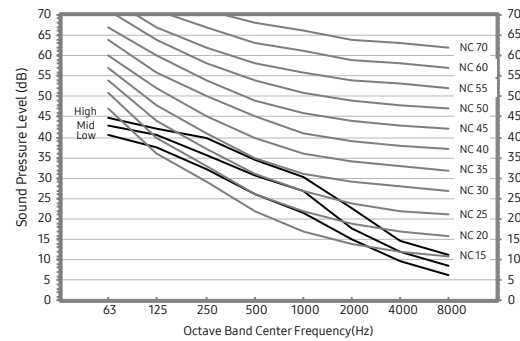
Model	High	MID	LOW
VHID024S6-5P	36	32	28
VHID027S6-5P	37	33	29
VHID030S6-5P	38	34	30
VHID036S6-5P	37	34	30

• NC Curve

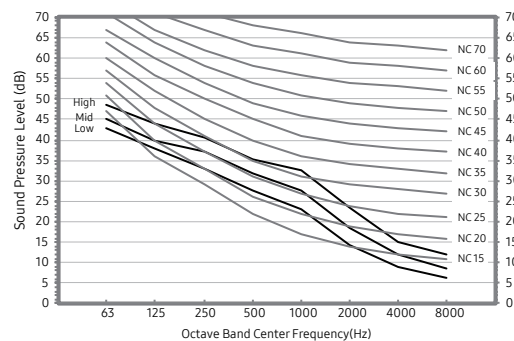
1) VHID024S6-5P



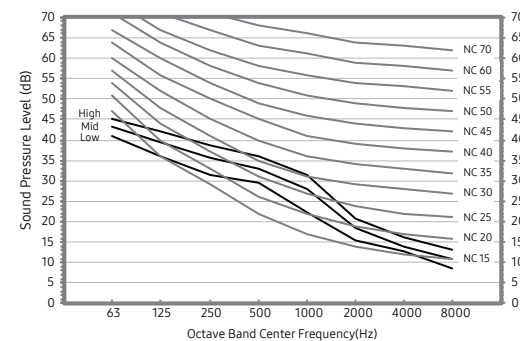
2) VHID027S6-5P



3) VHID030S6-5P



4) VHID036S6-5P



NOTE

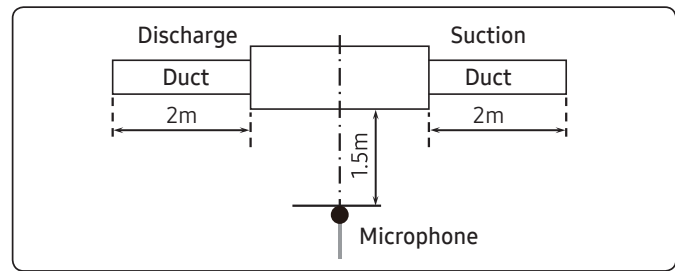
- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dB(A) = A weighted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

8. Sound Data

High Static Duct - VHID

Sound Pressure level

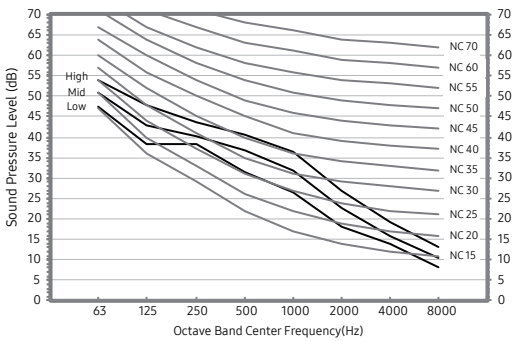
Unit: dB(A)



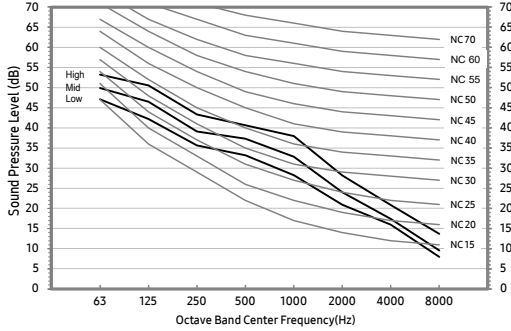
Model	High	MID	LOW
VHID048S6-5P	42	38	34
VHID054S6-5P	43	39	35

- NC Curve

1) VHID048S6-5P



2) VHID054S6-5P



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

High Static Duct - VHID

Sound Power level



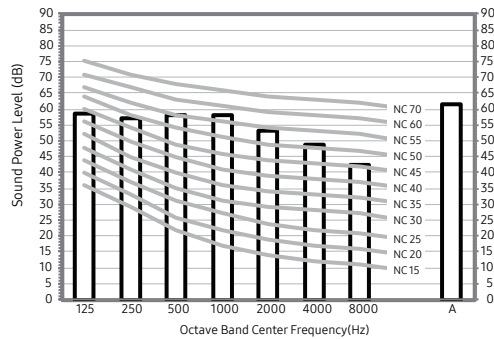
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

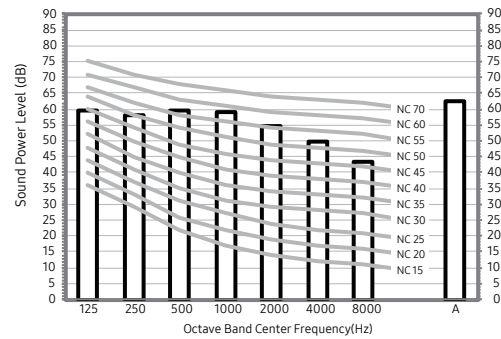
Model	Power
VHID024S6-5P	62
VHID027S6-5P	63
VHID030S6-5P	64
VHID036S6-5P	62

NC Curve

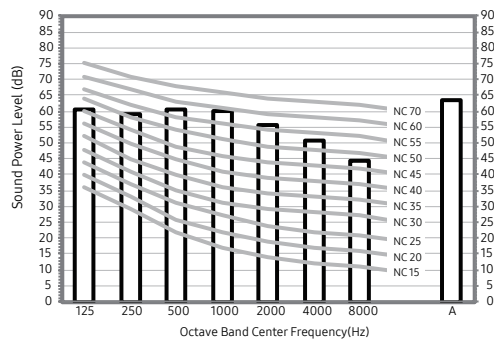
1) VHID024S6-5P



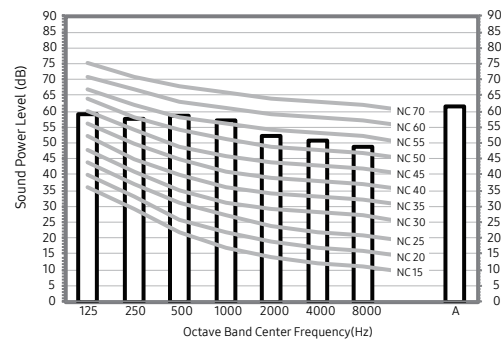
2) VHID027S6-5P



3) VHID030S6-5P



4) VHID036S6-5P



8. Sound Data

High Static Duct - VHID

Sound Power level

 NOTE

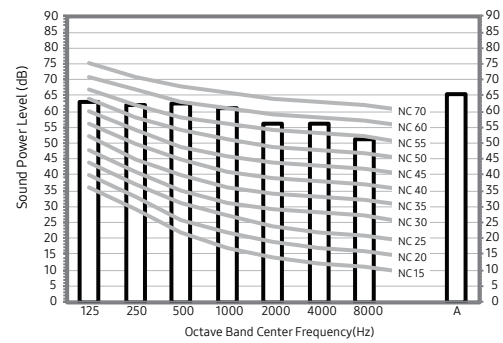
Unit: dB(A)

- 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.

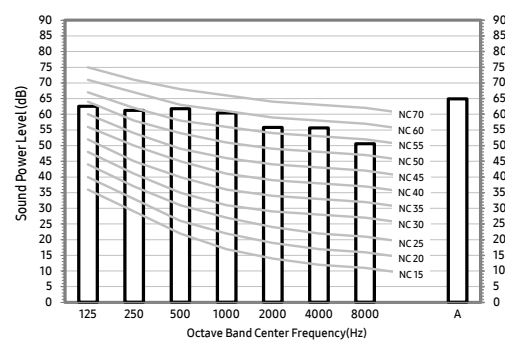
Model	Power
VHID048S6-5P	66
VHID054S6-5P	65

- NC Curve

1) VHID048S6-5P



2) VHID054S6-5P

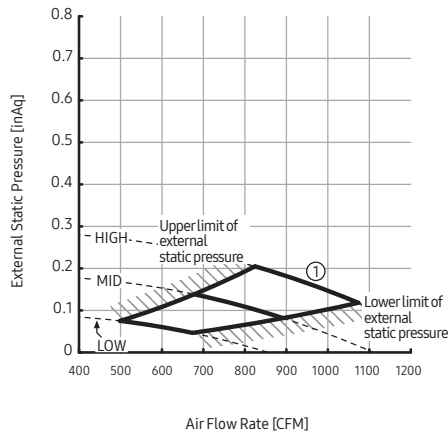


9. Fan Characteristics

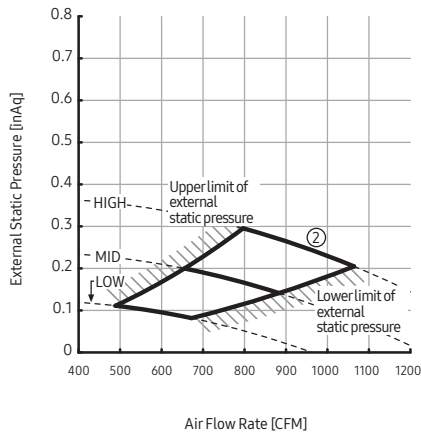
High Static Duct - VHID

VHID024S6-5P

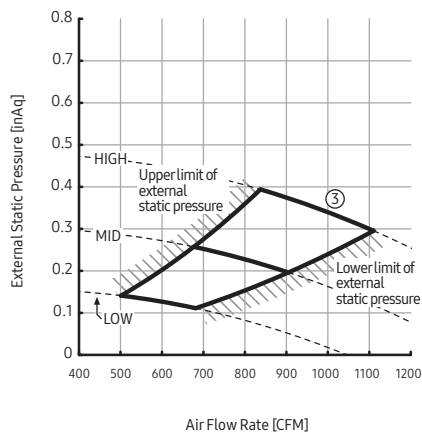
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5458-204646-331110



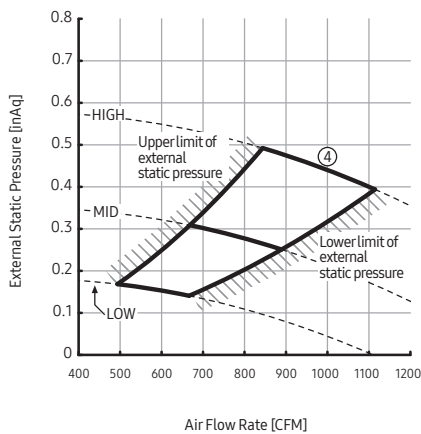
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54AA-204646-331110



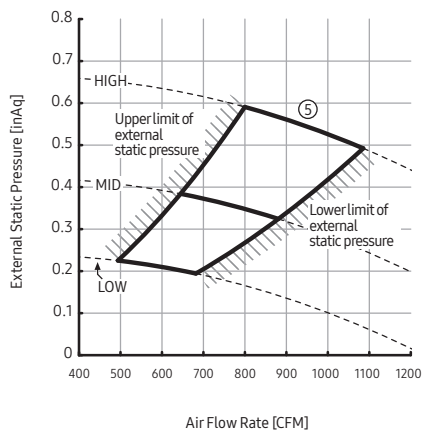
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E580C-204646-331110



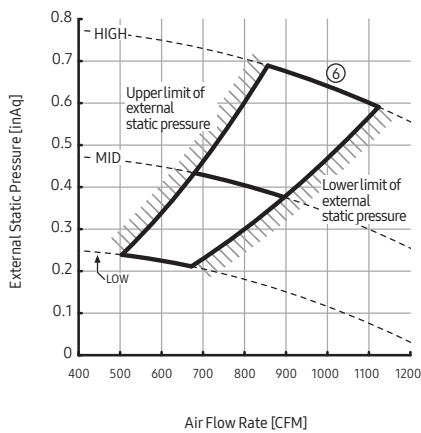
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E585E-204646-331110



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

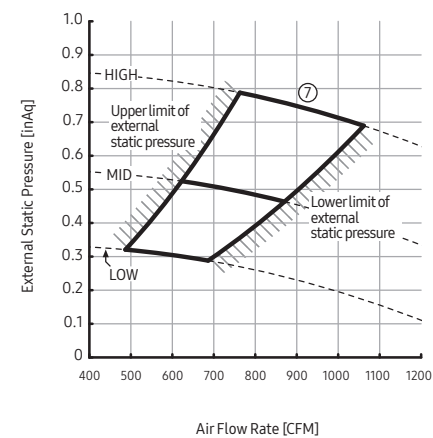


9. Fan Characteristics

High Static Duct - VHID

VHID024S6-5P

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

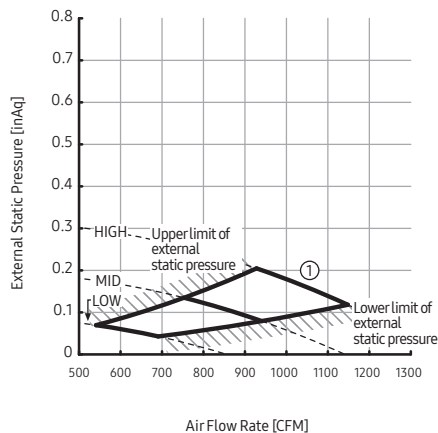


9. Fan Characteristics

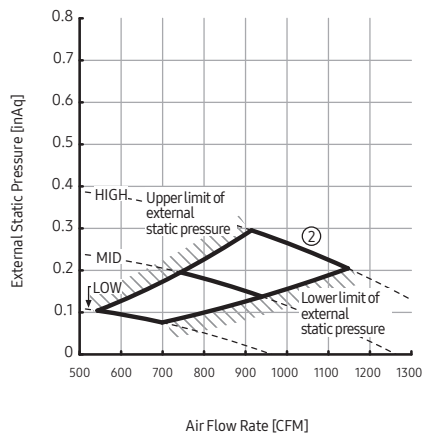
High Static Duct - VHID

VHID027S6-5P

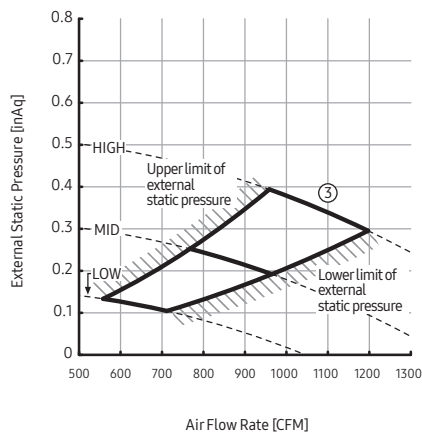
①	External Static Pressure(inAq)	Option Code
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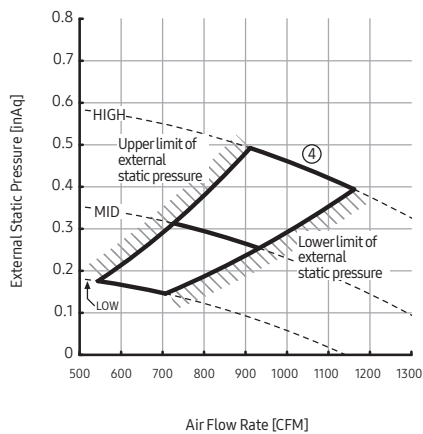
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54CA-204F4F-331110



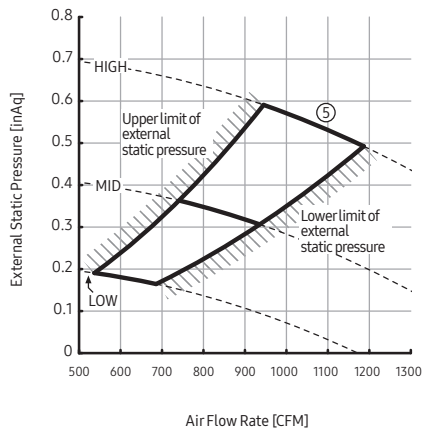
③	External Static Pressure(inAq)	Option Code
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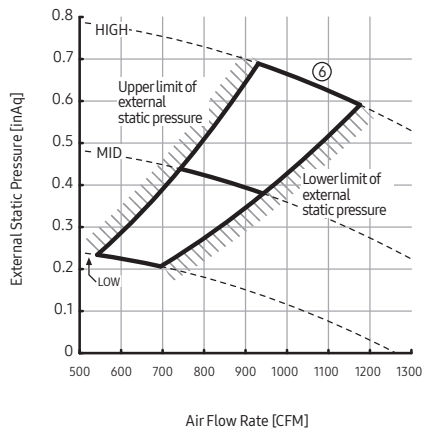
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E586F-204F4F-331110



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

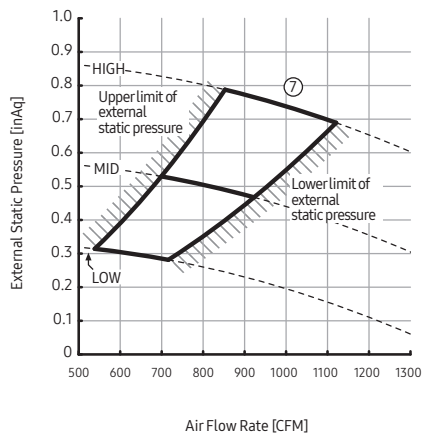


9. Fan Characteristics

High Static Duct - VHID

VHID027S6-5P

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

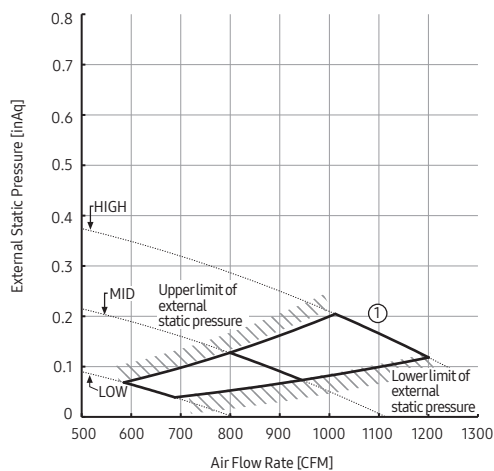


9. Fan Characteristics

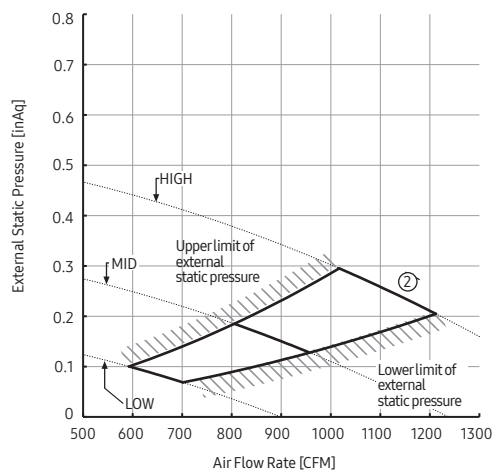
High Static Duct - VHID

VHID030S6-5P

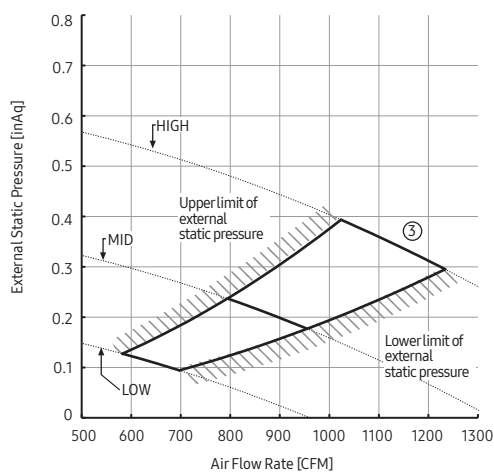
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E54A8-205858-331110



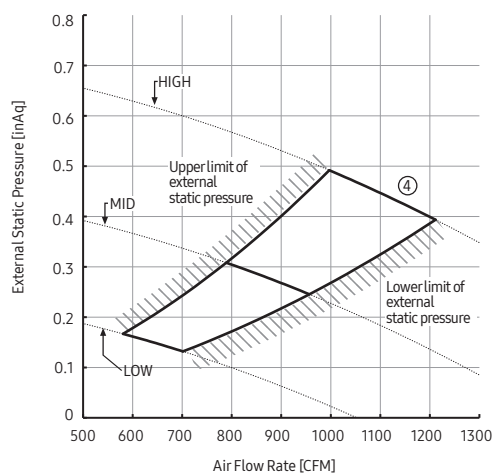
②	External Static Pressure(inAq)	Option Code
	0.20≤SP≤0.30	010054-1E54FA-205858-331110



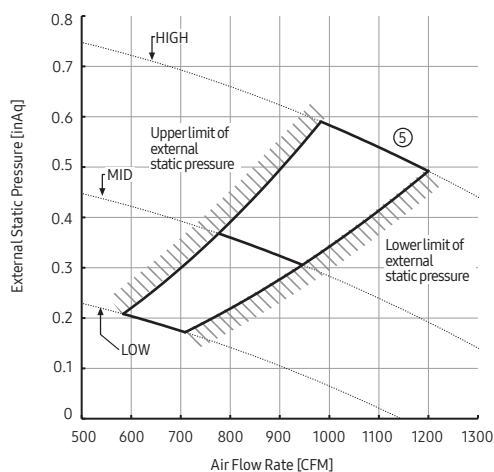
③	External Static Pressure(inAq)	Option Code
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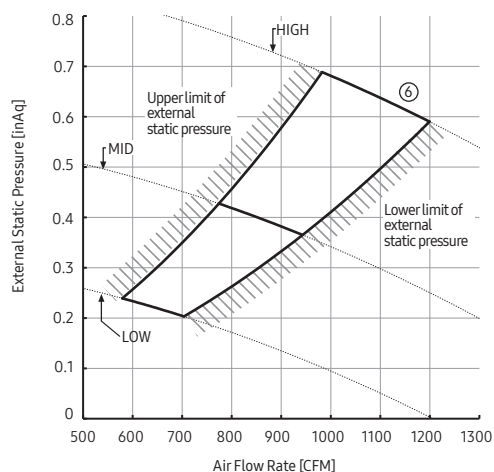
④	External Static Pressure(inAq)	Option Code
	0.39≤SP≤0.49	010054-1E589D-205858-331110



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

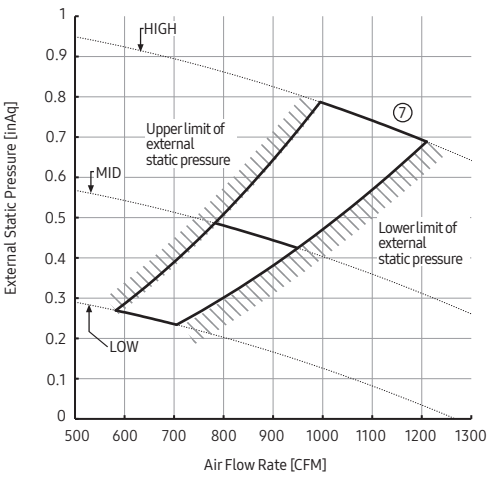


9. Fan Characteristics

High Static Duct - VHID

VHID030S6-5P

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

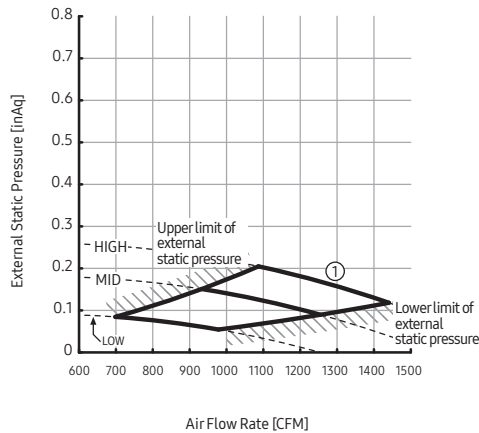


9. Fan Characteristics

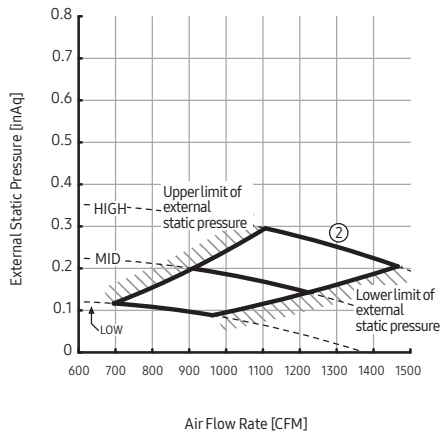
High Static Duct - VHID

VHID036S6-5P

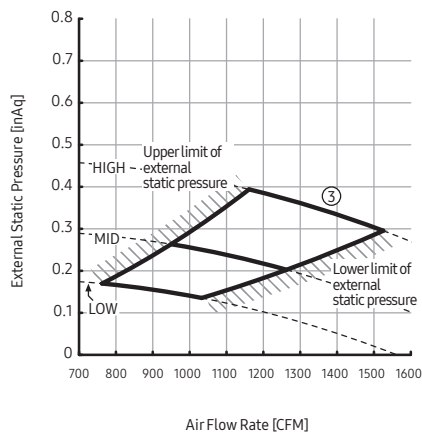
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5406-206A6A-331120



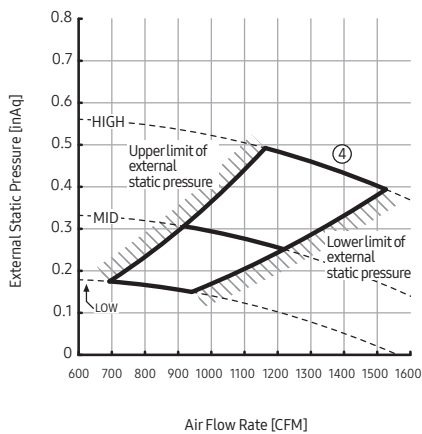
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E5458-206A6A-331120



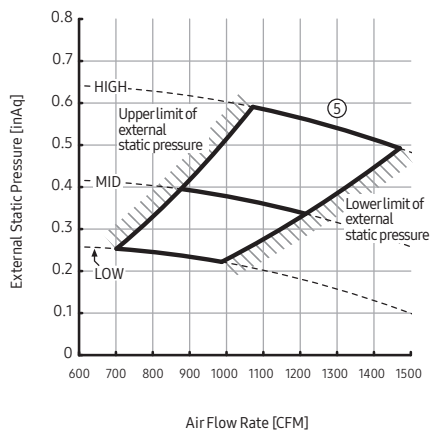
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E54AB-206A6A-331120



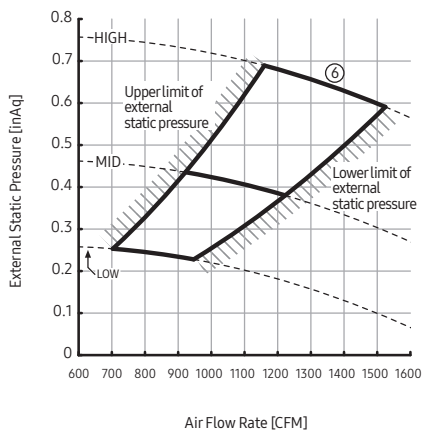
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E54EB-206A6A-331120



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

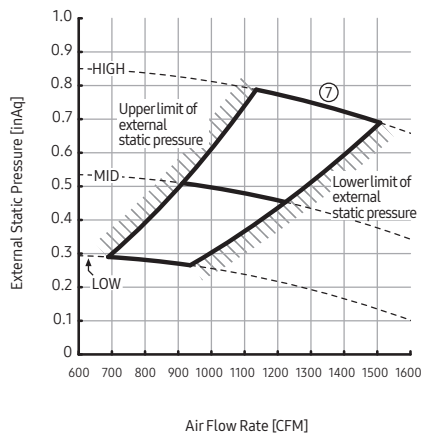


9. Fan Characteristics

High Static Duct - VHID

VHID036S6-5P

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

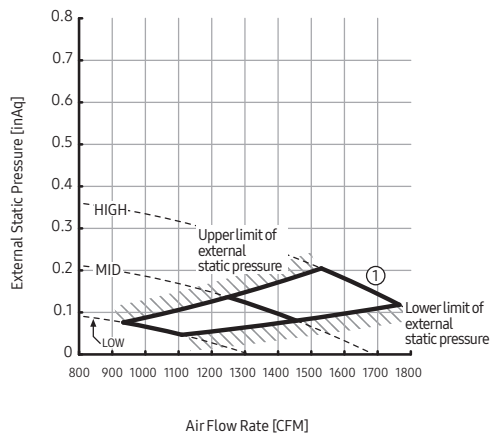


9. Fan Characteristics

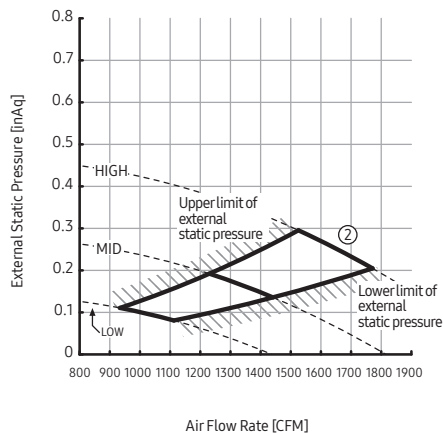
High Static Duct - VHID

VHID048S6-5P

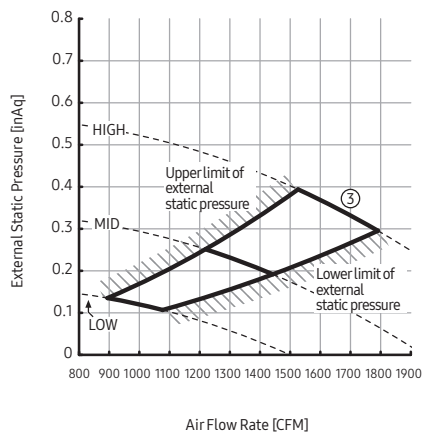
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E5467-208D8D-331120



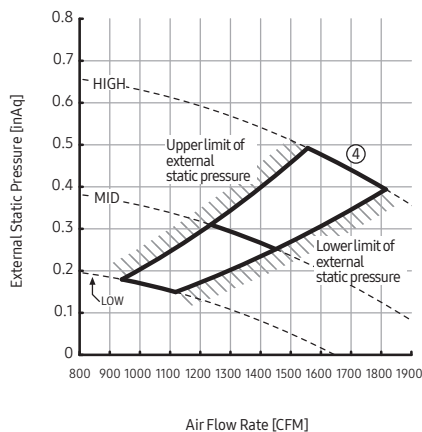
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54A9-208D8D-331120



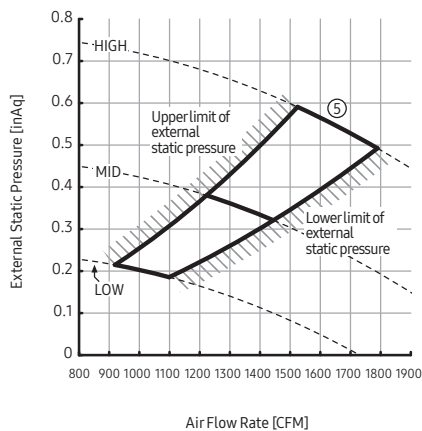
③	External Static Pressure(inAq)	Option Code
	0.30<SP≤0.39	010054-1E54EA-208D8D-331120



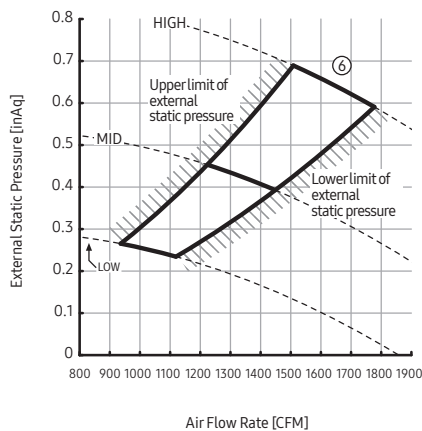
④	External Static Pressure(inAq)	Option Code
	0.39<SP≤0.49	010054-1E582D-208D8D-331120



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

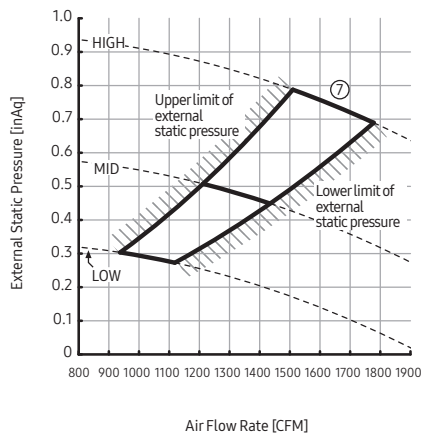


9. Fan Characteristics

High Static Duct - VHID

VHID048S6-5P

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

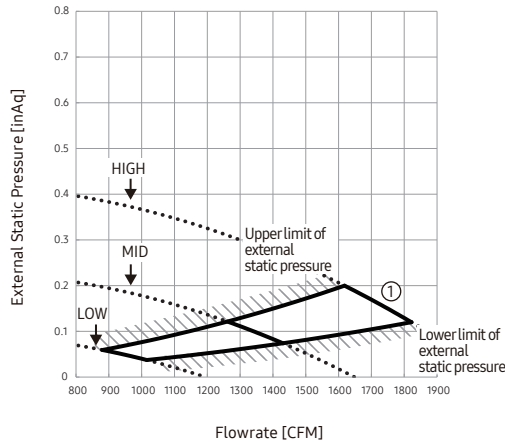


9. Fan Characteristics

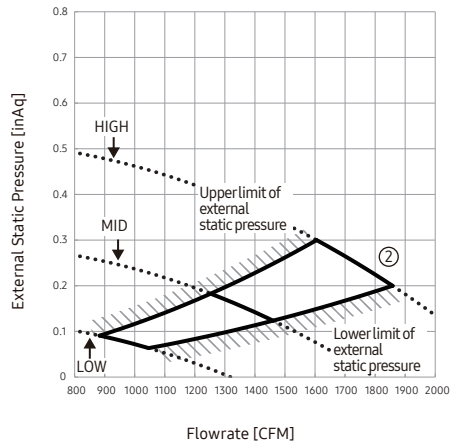
High Static Duct - VHID

VHID054S6-5P

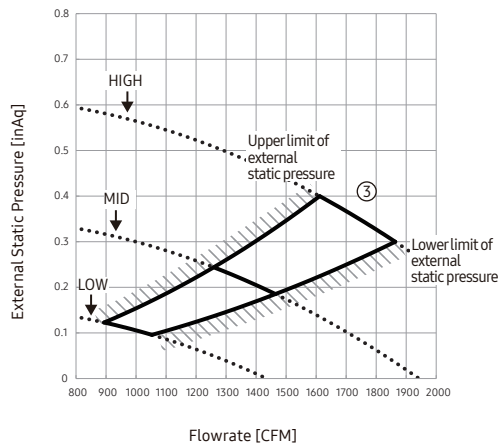
①	External Static Pressure(inAq)	Option Code
	0.12≤SP≤0.20	010054-1E54B9-20A0A0-331120



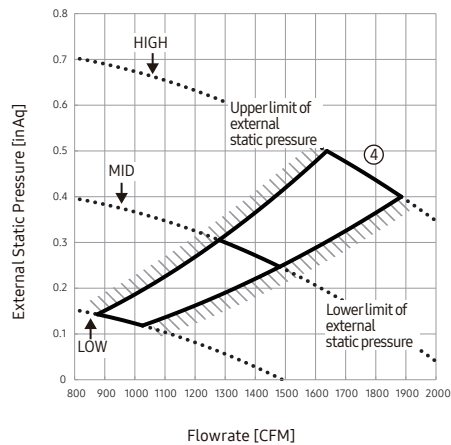
②	External Static Pressure(inAq)	Option Code
	0.20<SP≤0.30	010054-1E54EA-20A0A0-331120



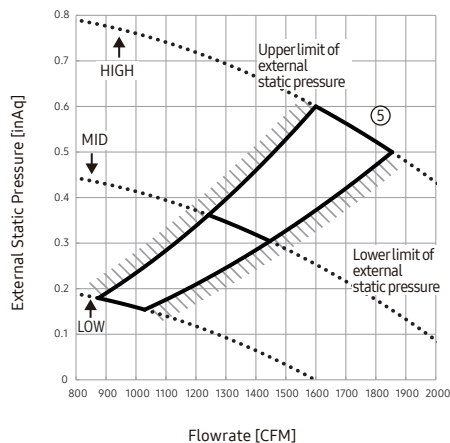
③	External Static Pressure(inAq)	Option Code
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④	External Static Pressure(inAq)	Option Code
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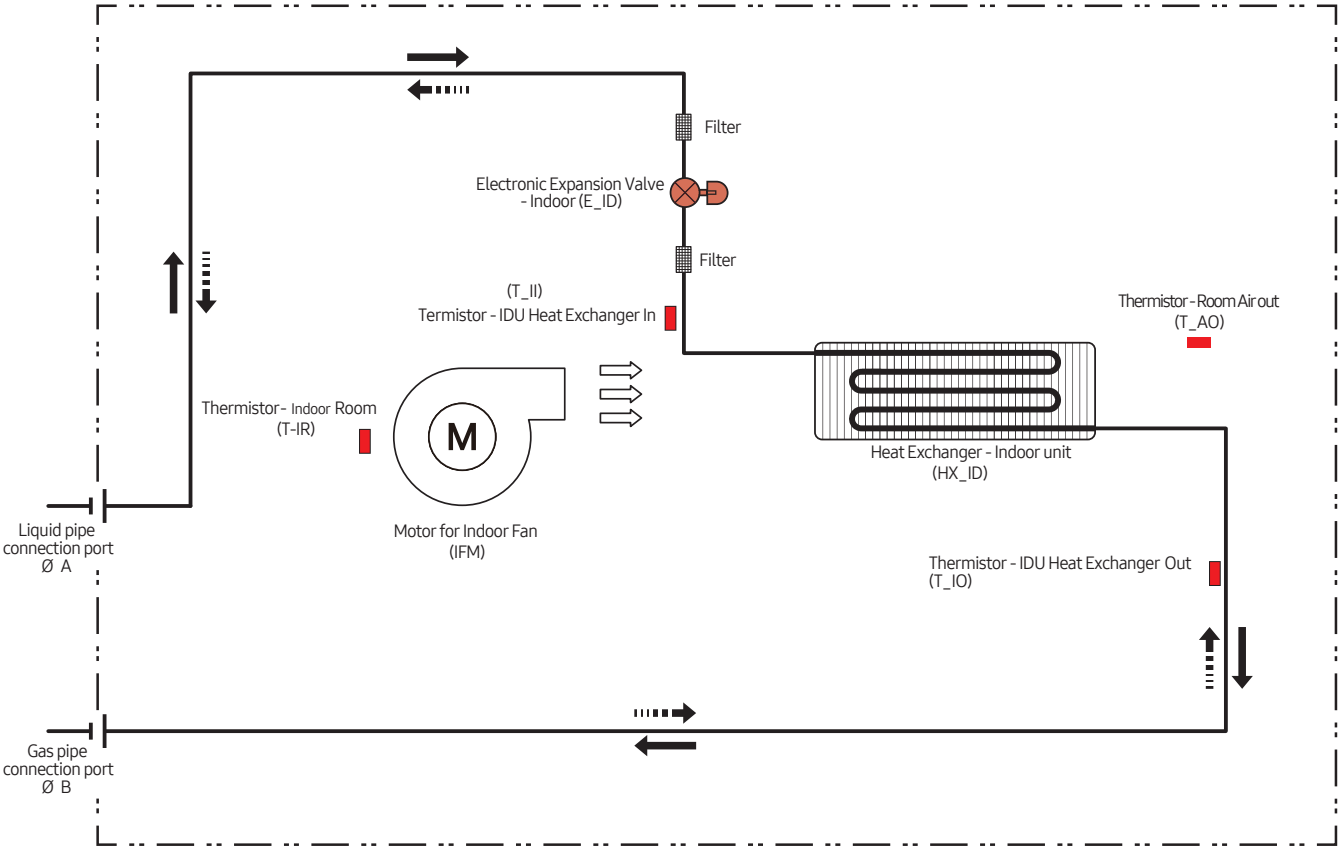


⑤	External Static Pressure(inAq)	Option Code
	0.50<SP≤0.60	010054-1E589E-20A0A0-331120



10. Piping Diagram

High Static Duct - VHID



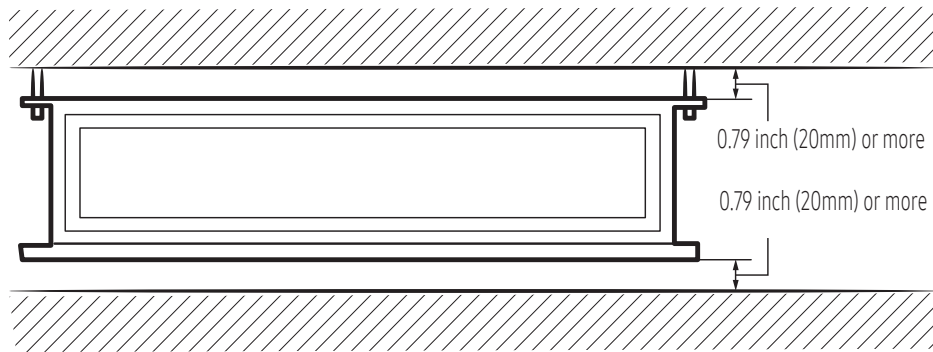
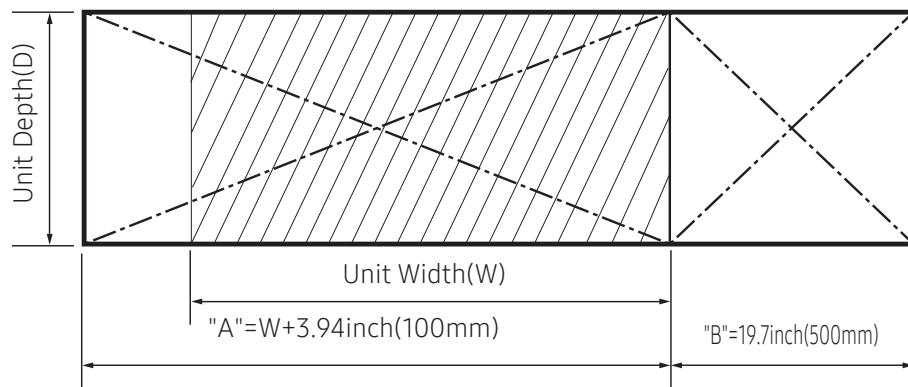
Refrigerant flow	
Cooling	Heating

Installation Clearances

High Static Duct - VHID

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 0.79 inch (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 [11.81 inch(300 mm) or more], to avoid fan motor blower contact.



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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.

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