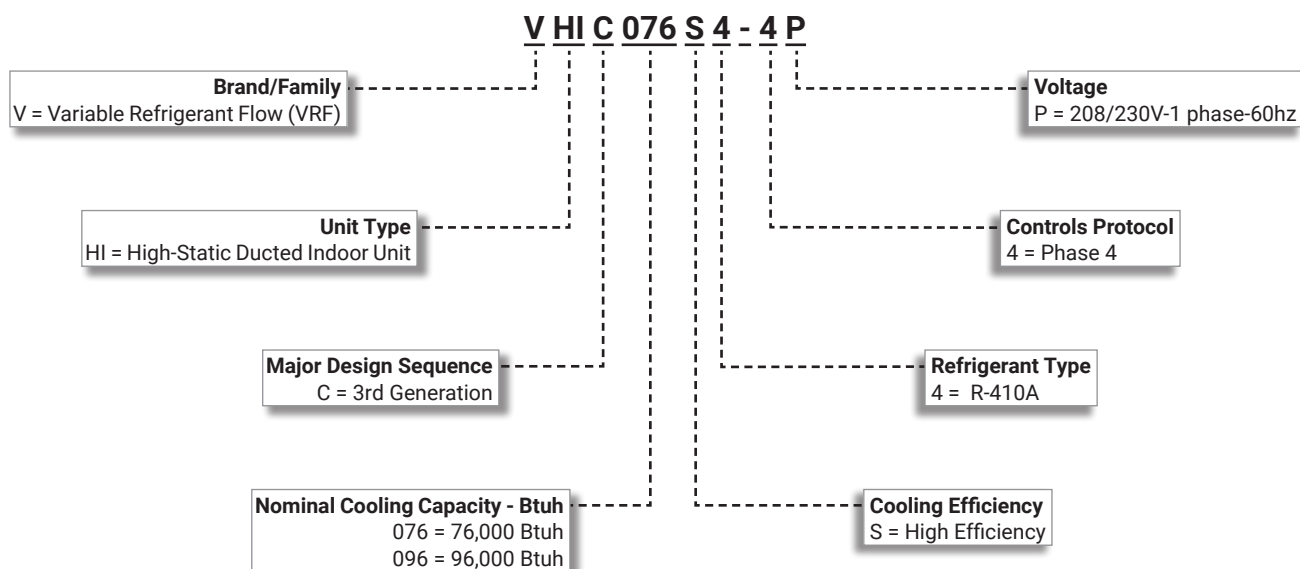


VHIC076-096High-Static Concealed Ducted Indoor Units | **R-410A** | 60Hz

76,800 to 96,000 Btuh

**COMMERCIAL
PRODUCT SPECIFICATIONS (EHB)****MODEL NUMBER IDENTIFICATION**

CONTENTS

Capacity Table.4

Dimensions6

Electrical Wiring7

Model Number Identification.1

Recommended Operation Range9

Sound Pressure Levels8

Specifications3

Specifications

High Static Duct

Model				VHIC076S4-4P		VHIC096S4-4P		
Power Supply				Ø, V, Hz	1,208-230,60		1,208-230,60	
Mode				-	HP/HR		HP/HR	
Performance	Capacity (Nominal)	Cooling ^{*1)}	Btu/h	76,800		96,000		
			US RT	6.40		8.00		
		Heating ^{*1)}	Btu/h	85,200		108,000		
			US RT	7.10		9.00		
Power	Power Input (Nominal)	Cooling ^{*1)}	W	530.00		790.00		
		Heating ^{*1)}		530.00		790.00		
	Current Input (Nominal)	Cooling ^{*1)}	A	3.80		5.90		
		Heating ^{*1)}		3.80		5.90		
Fan	Motor	Type		Sirocco Fan		Sirocco Fan		
		Output x n	W	400 x 1		400 x 1		
	Air Flow Rate	H/M/L (UL)	CFM	2,048.33/1,836.43/1,659.85		2,542.75/2,295.54/2,048.33		
	External Pressure	Min / Std / Max	Pa	49.03/147.10/245.17		49.03/147.10/274.59		
			in. Wg	0.20/0.59/0.98		0.20/0.59/1.10		
Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		
			Ø, inch	3/8		3/8		
	Gas Pipe		Ø, mm	19.05		22.22		
			Ø, inch	3/4		7/8		
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		
Refrigerant	Type		-	R410A		R410A		
	Control Method		-	EEV INCLUDED		EEV INCLUDED		
Sound	Sound Pressure ^{*2)}	High / Mid / Low	dBA	45.0/43.0/41.0		48.0/46.0/43.0		
Dimensions	Net Weight		kg	89.00		89.00		
			lbs	196.21		196.21		
	Shipping Weight		kg	99.00		99.00		
			lbs	218.26		218.26		
	Net Dimensions (WxHxD)		mm	1240 x 470 x 1040		1240 x 470 x 1040		
			inch	48.82 x 18.50 x 40.94		48.82 x 18.50 x 40.94		
	Shipping Dimensions (WxHxD)		mm	1507 x 558 x 1155		1507 x 558 x 1155		
			inch	59.33 x 21.97 x 45.47		59.33 x 21.97 x 45.47		
Panel Size	Panel model		model name	-		-		
	Panel Net Weight		kg	-		-		
			lbs	-		-		
	Shipping Weight		kg	-		-		
			lbs	-		-		
	Net Dimensions (WxHxD)		mm	-		-		
			inch	-		-		
	Shipping Dimensions (WxHxD)		mm	-		-		
			inch	-		-		
Additional Accessories	Drain pump	Drain pump	model name	MDP-N047SNC1D		MDP-N047SNC1D		
		Max. lifting Height / Displacement	mm/liter/h	750 / 24		750 / 24		
	Air Filter		-	Long life filter		Long life filter		

1) Nominal Capacity 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

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

3) Specifications are subject to change without prior notice for product improvement.

Capacity Table

High Static Duct

Cooling

TC : Total Capacity(Btu/h), SHC : Sensible Heat Capacity(Btu/h)

Model	Outdoor Temperature (F, DB)	Indoor Temperature (F, WB)													
		57		61		64		67		70		72		75	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
076	50	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,100	89,600	61,500	94,700	62,100
	54	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	94,700	62,500
	58	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	94,700	61,500
	60	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	94,700	62,100
	64	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	94,400	61,500
	67	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	93,000	61,100
	70	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	93,300	61,100
	73	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	92,000	60,100
	77	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	91,600	60,400
	80	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	91,600	60,400
	84	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	61,800	91,600	60,400
	88	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	62,100	91,600	60,400
	92	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,400	89,600	62,800	91,600	60,400
	95	53,600	46,900	63,500	52,200	71,900	56,300	76,000	58,000	81,200	60,100	89,600	62,800	91,600	61,100
	99	52,600	46,200	62,500	51,600	71,600	56,000	76,000	58,000	80,500	60,100	88,200	61,800	90,300	59,800
	103	51,900	45,900	61,500	50,900	71,600	56,000	75,700	57,700	80,500	60,100	87,200	62,500	88,900	59,400
	107	50,900	44,800	60,400	49,900	70,200	55,000	74,300	56,700	79,100	59,400	85,500	61,500	87,200	58,700
	111	50,200	44,200	59,400	49,200	69,200	54,000	73,300	55,700	77,700	58,700	84,200	60,800	85,800	57,700
096	115	49,200	43,100	58,400	48,300	67,800	52,900	71,900	54,600	76,400	57,400	82,900	59,400	84,200	56,300
	118	48,200	42,000	57,400	47,400	66,400	51,800	70,500	53,500	75,100	56,100	81,600	58,000	82,600	54,900
	50	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	77,500	112,200	78,900	119,000	79,600
	54	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	79,200	119,000	80,200
	58	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	79,200	119,000	78,900
	60	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	79,200	119,000	79,900
	64	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	78,900	119,000	79,200
	67	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	78,900	117,600	78,900
	70	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	78,900	117,600	78,500
	73	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	79,600	115,600	77,500
	77	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	78,900	115,600	78,200
	80	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	78,900	115,600	78,200
	84	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	78,900	115,600	78,200
	88	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	79,600	115,600	78,200
	92	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	78,200	112,200	80,600	115,600	78,200
	95	67,600	60,400	79,900	67,300	90,900	72,700	96,000	74,800	102,500	77,500	112,200	80,600	115,600	78,900
	99	66,500	59,300	78,900	66,300	90,200	71,700	96,000	74,800	101,800	77,900	110,500	79,200	113,900	77,200
	103	65,800	58,600	77,900	65,600	90,200	71,700	95,700	74,100	101,200	77,200	109,100	80,200	112,500	76,800
	107	64,400	57,600	76,100	64,100	88,500	70,300	94,000	73,100	99,500	76,100	107,100	78,500	110,500	75,800
	111	63,400	56,600	75,100	63,100	87,200	69,300	92,600	72,100	98,100	75,100	105,700	77,500	108,800	74,800
	115	62,400	55,600	73,800	62,100	85,400	68,000	90,900	70,300	96,000	73,400	103,500	75,800	106,400	73,100
	118	61,400	54,600	72,500	61,100	83,600	66,700	89,200	68,500	93,900	71,700	101,300	74,100	104,000	71,400

Capacity Table

High Static Duct

Heating

TC : Total Capacity(Btu/h)

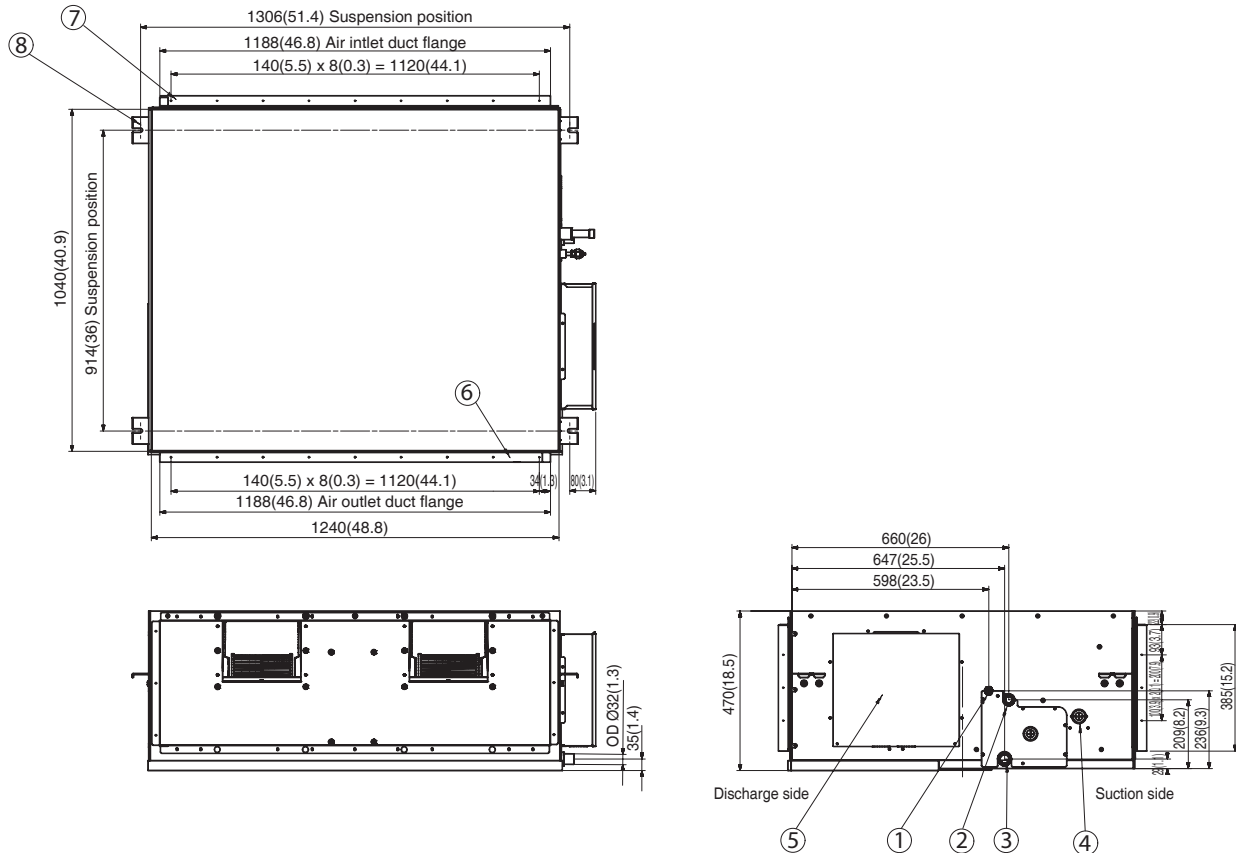
Model	Outdoor Temperature (°F)		Indoor Temperature (°F, DB)				
			61	65	70	72	75
			TC	TC	TC	TC	TC
	DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
076	-3.6	-4	52,500	52,500	52,000	52,000	51,400
	-1.8	-2	54,300	53,600	52,500	52,500	51,700
	2	1	55,800	54,700	53,200	53,200	52,000
	6	5	59,200	57,600	55,100	54,300	52,500
	10	9	62,000	60,900	59,200	58,700	56,900
	13	12	64,700	64,200	62,800	62,500	61,400
	17	15	66,700	65,800	64,500	63,900	62,500
	19	18	68,600	67,500	66,100	65,300	63,600
	23	21	72,400	71,300	69,100	68,000	66,400
	26	24	76,300	75,200	72,700	71,300	68,600
	30	28	77,900	76,800	74,300	72,700	69,700
	35	32	79,700	78,500	75,700	74,100	70,800
	39	36	83,400	82,300	79,700	77,900	74,600
	44	40	87,400	86,300	82,200	79,700	74,600
	47	43	91,300	89,600	85,200	81,900	74,600
	51	47	94,000	91,300	85,200	81,900	74,600
	54	50	96,800	92,400	85,200	81,900	74,600
096	57	53	99,500	94,000	85,200	81,900	74,600
	60	56	102,400	95,100	85,200	81,900	74,600
	-3.6	-4	66,600	66,600	66,000	66,000	65,200
	-1.8	-2	68,800	68,000	66,600	66,600	65,600
	2	1	70,700	69,400	67,400	67,400	66,000
	6	5	75,000	73,000	69,800	68,800	66,600
	10	9	78,600	77,200	75,000	74,400	72,200
	13	12	82,000	81,400	79,600	79,200	77,800
	17	15	84,600	83,400	81,800	81,000	79,200
	19	18	87,000	85,600	83,800	82,800	80,600
	23	21	91,800	90,400	87,600	86,200	84,200
	26	24	96,700	95,400	92,200	90,400	87,000
	30	28	98,800	97,400	94,200	92,200	88,400
	35	32	101,000	99,500	96,000	93,900	89,800
	39	36	105,700	104,400	101,000	98,800	94,600
	44	40	110,800	109,400	104,200	101,000	94,600
	47	43	115,800	113,600	108,000	103,800	94,600
	51	47	119,200	115,800	108,000	103,800	94,600
	54	50	122,700	117,100	108,000	103,800	94,600
	57	53	126,100	119,200	108,000	103,800	94,600
	60	56	129,800	120,600	108,000	103,800	94,600

Dimensional Drawing

High Static Duct

VHIC076/096S4-4P

Unit : mm(inch)

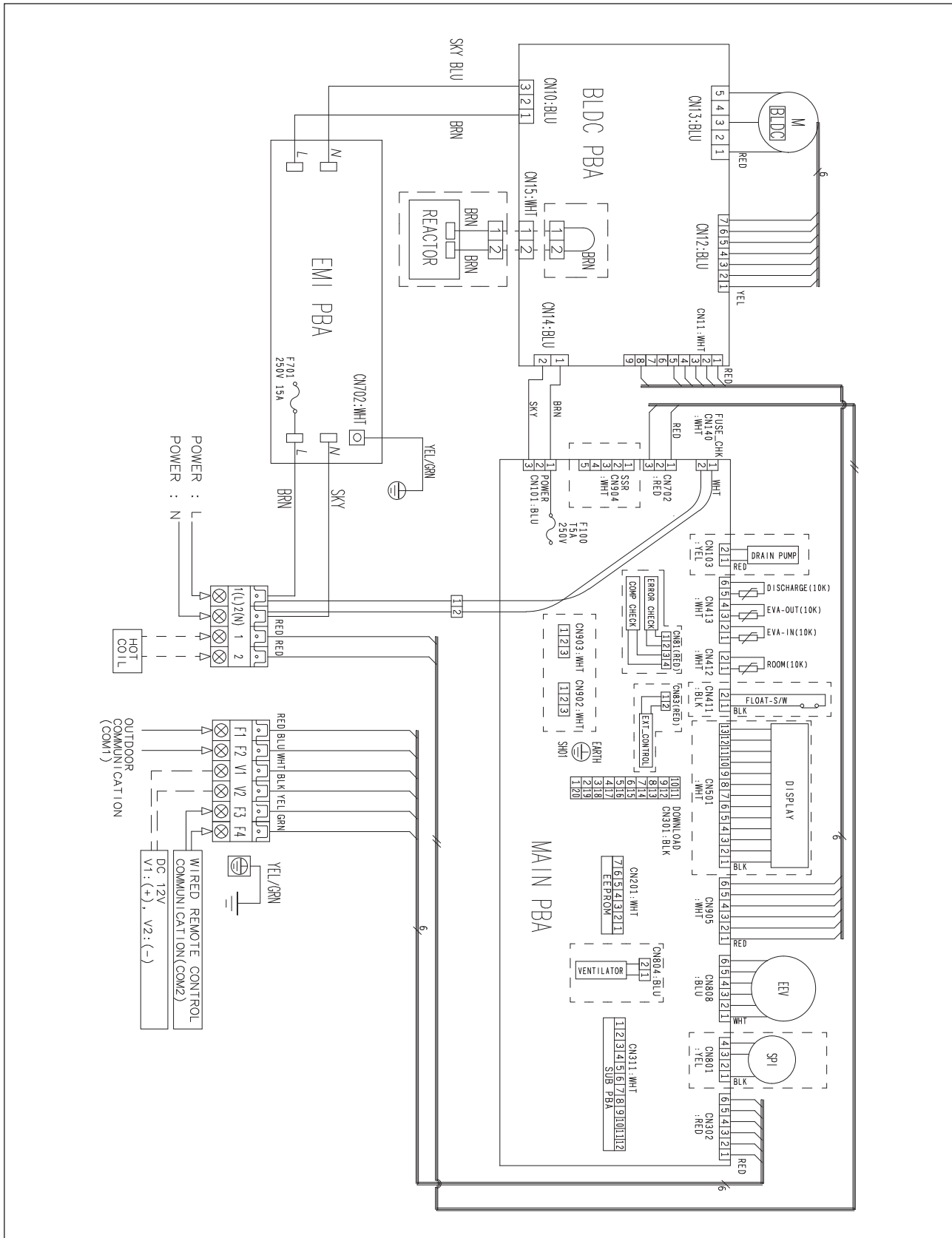


No.	Name	Description
①	Liquid pipe connection	Ø9.52 (3/8")
②	Gas pipe connection	76.0 MBH : Ø19.05 (3/4") 96.0 MBH : Ø22.22 (7/8")
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)
⑤	Power supply/Communication connection	
⑥	Air discharge grille flange	
⑦	Suction flange	
⑧	Hook	3/8" or M10

Electrical wiring diagram

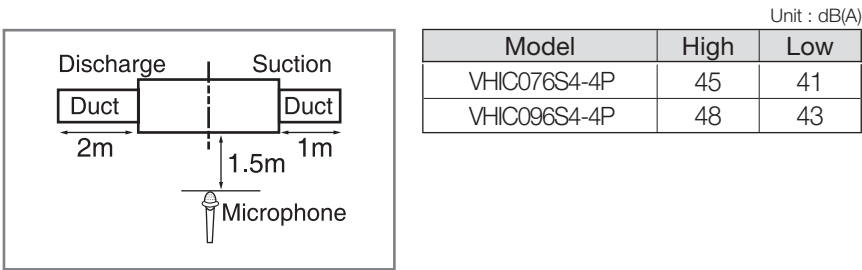
High Static Duct

VHIC076/096S4-4P



Sound pressure level

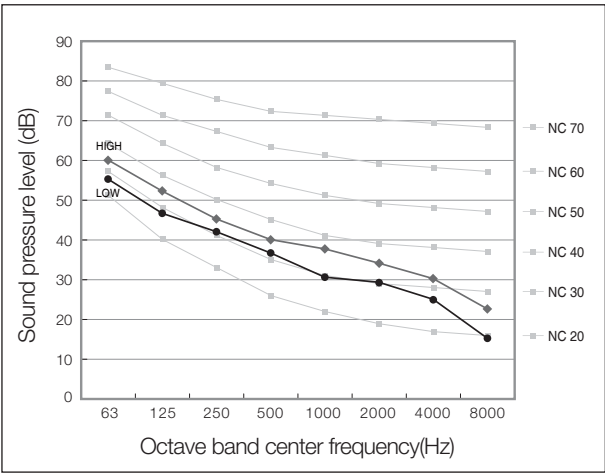
High Static Duct



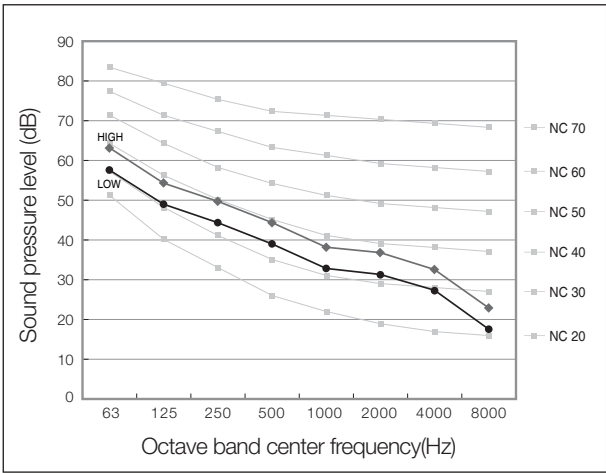
- ☒ **Note**
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
 - ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

(1) VHIC076S4-4P



(2) VHIC096S4-4P

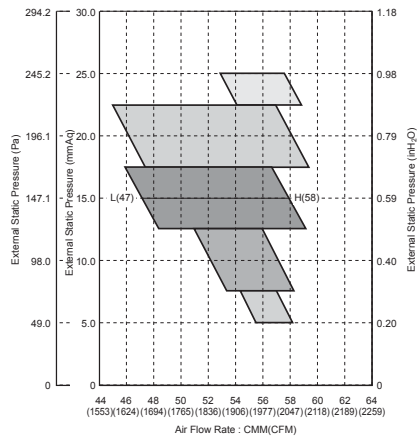


Recommended operation range

High Static Duct

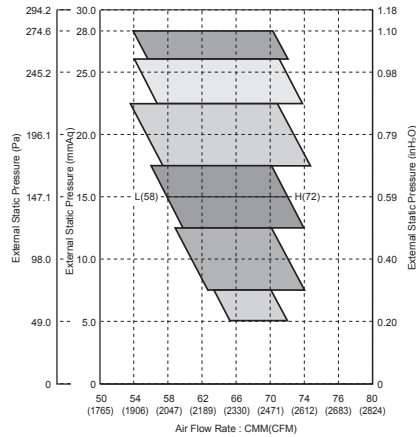
◆ Adjust option code according to the actual installation condition (external static pressure).

(1) VHIC076S4-4P



External Static pressure (mmAq)	Option code
5	011054-195097-20DCDC-331110
10	011054-1950C7-20DCDC-331110
15	011054-1950E8-20DCDC-331110
20	011054-19544D-20DCDC-331110
25	011054-19549F-20DCDC-331110

(2) VHIC096S4-4P



External Static pressure (mmAq)	Option code
5	011054-195407-231C1C-331110
10	011054-195429-231C1C-331110
15	011054-19545B-231C1C-331110
20	011054-19549E-231C1C-331110
25	011054-1955D1-231C1C-331110
28	011054-1955F3-231C1C-331110

✓ Note

- ◆ ESP = External Static Pressure
- ◆ The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.



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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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