

VOSC

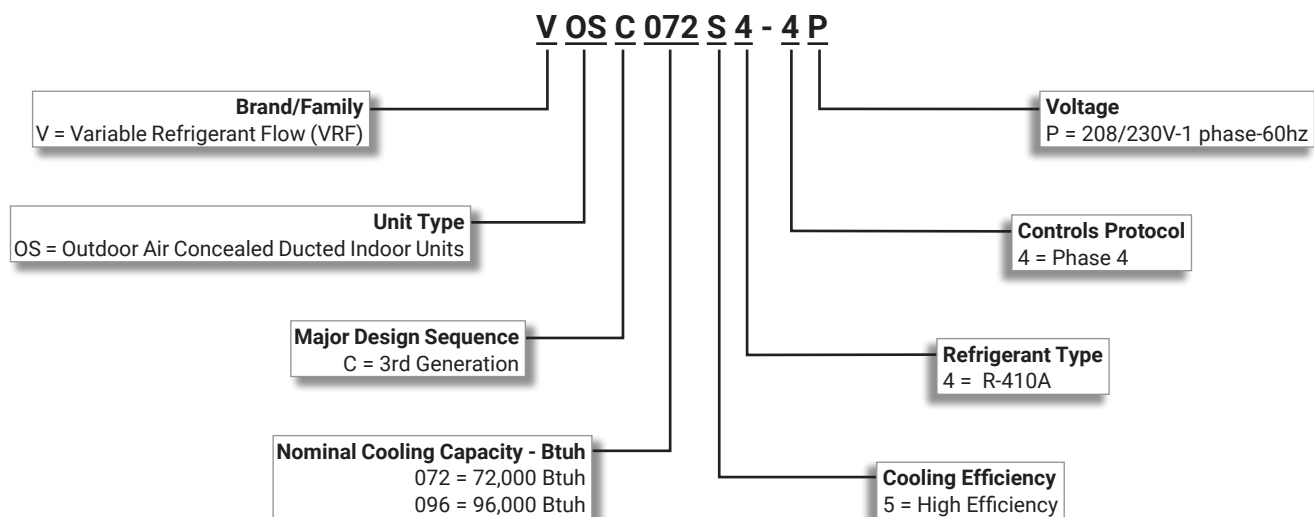
Outdoor Air Concealed Ducted Indoor Units | **R-410A** | 60Hz

72,000 to 96,000 Btuh

COMMERCIAL PRODUCT SPECIFICATIONS (EHB)



MODEL NUMBER IDENTIFICATION



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Specifications

Dedicated Outdoor Air Ducted

Type				OAP Duct		OAP Duct	
Model Name				VOSC072S4-4P		VOSC096S4-4P	
Power Supply			Ø, #, V, Hz	1,2,208-230,60		1,2,208-230,60	
Mode			-	HP		HP	
Performance	Ton			6.00		8.00	
	Capacity (Nominal)	Cooling	kW	21.10		28.13	
			Btu/h	72,000		96,000	
			US RT	6.00		8.00	
		Heating	kW	13.77		17.29	
			Btu/h	47,000		59,000	
			US RT	3.92		4.92	
Power	Power Input (Nominal)	Cooling	W	360.00		450.00	
		Heating		360.00		450.00	
	Current Input (Nominal)	Cooling	A	2.60		3.10	
		Heating		2.60		3.10	
Fan	Motor	Type	-	Sirocco Fan		Sirocco Fan	
		Output x n	W	630		630	
	Air Flow	High	CFM	988.85		1236.1	
	External Pressure	Min / Std / Max	Pa	49.00 / 245.00 / 294.00		49.00 / 245.00 / 294.00	
			In Wg	0.20 / 0.98 / 1.18		0.20 / 0.98 / 1.18	
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)	
Field Wiring	Power Source Wire		mm²	-		-	
	Transmission Cable		mm²	-		-	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV INCLUDED		EEV INCLUDED	
Sound	Pressure	High	dB(A)	47.0		47.0	
	Power	Cooling		-		-	
Dimensions	Net Weight		kg	90.00		90.00	
			lbs	198.42		198.42	
	Shipping Weight		kg	100.00		100.00	
			lbs	220.46		220.46	
	Net Dimensions (WxHxD)		mm	1,465 x 460 x 910		1,465 x 460 x 910	
			inch	57.68 x 18.11 x 35.83		57.68 x 18.11 x 35.83	
	Shipping Dimensions (WxHxD)		mm	1,612 x 519 x 984		1,612 x 519 x 984	
			inch	63.46 x 20.43 x 38.74		63.46 x 20.43 x 38.74	
Panel Size	Panel Model		-	-		-	
	Panel Net Weight		kg	-		-	
			lbs	-		-	
	Shipping Weight		kg	-		-	
			lbs	-		-	
	Net Dimensions (WxHxD)		mm	-		-	
			inch	-		-	
Discharge Temperature Control		Cooling	64.4 °F (Default) / 55.4 ~ 77 °F (Setting Range)				
		Heating	77 °F (Default) / 64 ~ 86 °F (Setting Range)				
Additional Accessories	Drain pump	Drain pump	-	MDP-G075SP		MDP-G075SP	
		Max. lifting Height / Displacement	mm / liter / h	-		-	
	Air Filter		-	-		-	

[Note]

- Nominal capacity are based on (Refrigerant Piping : 25ft , Level Differences : 0ft);
- Nominal Cooling : Outdoor temperature(°F) 95DB / 82.4WB
- Nominal Heating : Outdoor temperature(°F) 32DB / 26.8WB
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.
- OAP duct can use discharge temperature control and target temperature can be changed by wired remote controller VSTAT04P-1 (37Y74)
(Depending on indoor/outdoor temperature or installation condition, actual discharge temperature may not be exactly controlled)

Capacity Tables

Dedicated Outdoor Air Ducted

VOSC072S4-4P

Cooling

OD Temp.	59		62.6		68		73.4		78.8		82.4		86		89.6		96.8	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
°F DB	Cooling Capacity(kBTU/h)																	
68	18.3	15.1	19.6	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.6	18.3	15.8	19.6	13.8	26.4	12.5	-	-	-	-	-	-	-	-	-	-	-	-
77	18.3	16.4	19.6	14.8	26.4	15.1	34.7	15.4	-	-	-	-	-	-	-	-	-	-
80.6	-	-	19.6	18.3	26.0	19.0	34.4	19.0	-	-	-	-	-	-	-	-	-	-
84.2	-	-	-	-	26.0	22.5	33.8	22.5	56.6	23.1	-	-	-	-	-	-	-	-
87.8	-	-	-	-	25.7	25.1	33.8	26.4	56.6	26.7	72.7	27.0	-	-	-	-	-	-
91.4	-	-	-	-	25.7	25.7	34.1	29.9	56.3	30.5	72.0	30.9	84.2	29.6	-	-	-	-
95	-	-	-	-	-	-	34.1	33.4	56.3	34.1	72.0	34.7	84.2	32.5	89.4	28.9	-	-
98.6	-	-	-	-	-	-	34.0	34.1	55.4	36.3	68.6	36.6	78.3	33.4	84.0	30.2	86.2	20.6
104	-	-	-	-	-	-	-	-	53.6	37.3	58.5	37.6	61.1	32.8	67.5	30.2	68.9	21.2

Heating

OD Temp.	°F WB								
	19.4	23	26.8	32	35.6	39.2	42.8	50	57.2
°F DB	Heating Capacity(kBTU/h)								
23	52.4	52.4	-	-	-	-	-	-	-
32	-	-	47.0	-	-	-	-	-	-
37.4	-	-	41.2	41.2	41.2	-	-	-	-
44.6	-	-	-	-	33.8	33.8	33.8	-	-
51.8	-	-	-	-	-	26.4	26.4	26.4	-
59	-	-	-	-	-	-	18.9	18.9	18.9

[Note]

- OAP duct can use discharge temperature control
 - Target temperature can be changed by wired remote controller VSTAT04P-1 (37Y74)
 - . Cooling - Factory default : 18 °C (64.4°F) / Setting Range : 13 ~ 25 °C (55.4 ~ 77 °F)
 - . Heating - Factory default : 25 °C (77°F) / Setting Range : 18 ~ 30 °C (64 ~ 86 °F)
- (Depending on indoor/outdoor temperature or installation condition, actual discharge temperature may not be exactly controlled.)

Capacity Tables

Dedicated Outdoor Air Ducted

VOSC096S4-4P

Cooling

OD Temp.	59		62.6		68		73.4		78.8		82.4		86		89.6		96.8	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
°F DB	Cooling Capacity(kBTU/h)																	
68	24.4	17.1	26.1	15.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.6	24.4	18.9	26.1	16.5	35.3	14.1	-	-	-	-	-	-	-	-	-	-	-	-
77	24.4	19.9	26.1	17.5	35.0	17.8	46.3	18.5	-	-	-	-	-	-	-	-	-	-
80.6	-	-	26.1	22.3	34.6	22.6	46.0	23.3	-	-	-	-	-	-	-	-	-	-
84.2	-	-	-	-	34.6	27.4	46.0	28.5	75.5	31.5	-	-	-	-	-	-	-	-
87.8	-	-	-	-	34.3	32.2	45.6	33.3	75.1	36.7	96.7	37.4	-	-	-	-	-	-
91.4	-	-	-	-	34.3	34.3	45.6	38.1	75.1	41.5	96.0	42.2	112.5	40.1	-	-	-	-
95	-	-	-	-	-	-	45.3	42.9	74.8	44.9	96.0	47.3	112.2	44.2	119.4	39.4	-	-
98.6	-	-	-	-	-	-	45.3	45.3	73.9	48.0	91.5	50.4	104.5	45.9	112.0	41.8	114.9	28.8
104	-	-	-	-	-	-	-	-	71.4	49.4	78.1	51.4	81.5	45.3	90.0	41.5	91.9	29.5

Heating

OD Temp.	°F WB								
	19.4	23	26.8	32	35.6	39.2	42.8	50	57.2
°F DB	Heating Capacity(kBTU/h)								
23	65.1	65.1	-	-	-	-	-	-	-
32	-	-	59.0	-	-	-	-	-	-
37.4	-	-	51.9	51.9	51.9	-	-	-	-
44.6	-	-	-	-	42.4	42.4	42.4	-	-
51.8	-	-	-	-	-	33.2	33.2	33.2	-
59	-	-	-	-	-	-	23.7	23.7	23.7

[Note]

- OAP duct can use discharge temperature control
- Target temperature can be changed by wired remote controller VSTAT04P-1 (37Y74)
 - . Cooling - Factory default : 18 °C (64.4°F) / Setting Range : 13 ~ 25 °C (55.4 ~ 77 °F)
 - . Heating - Factory default : 25 °C (77°F) / Setting Range : 18 ~ 30 °C (64 ~ 86 °F)
- (Depending on indoor/outdoor temperature or installation condition, actual discharge temperature may not be exactly controlled.)

Dimensional drawing

Dedicated Outdoor Air Ducted

VOSC072S4-4P, VOSC096S4-4P

Units : mm / inches

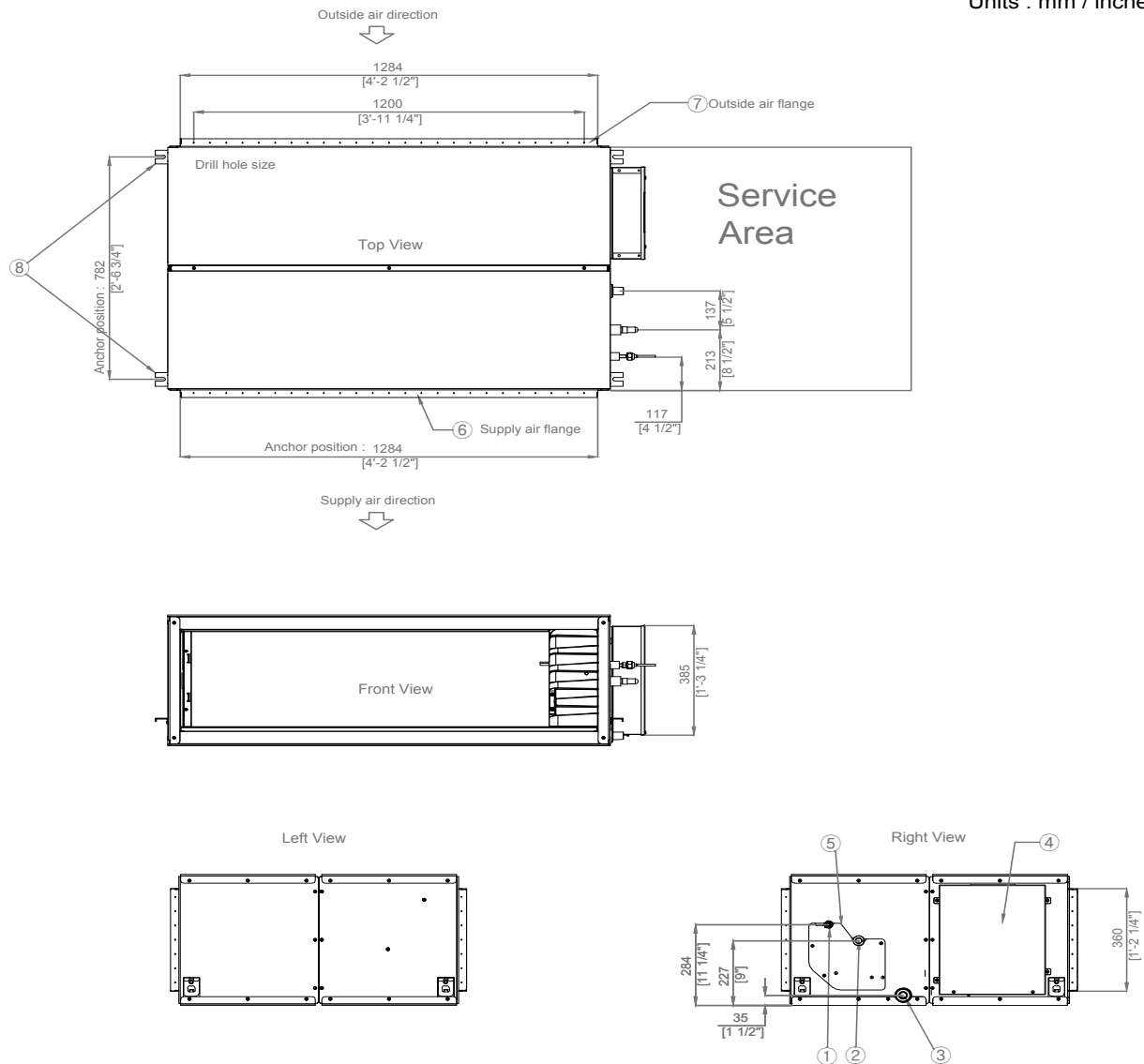


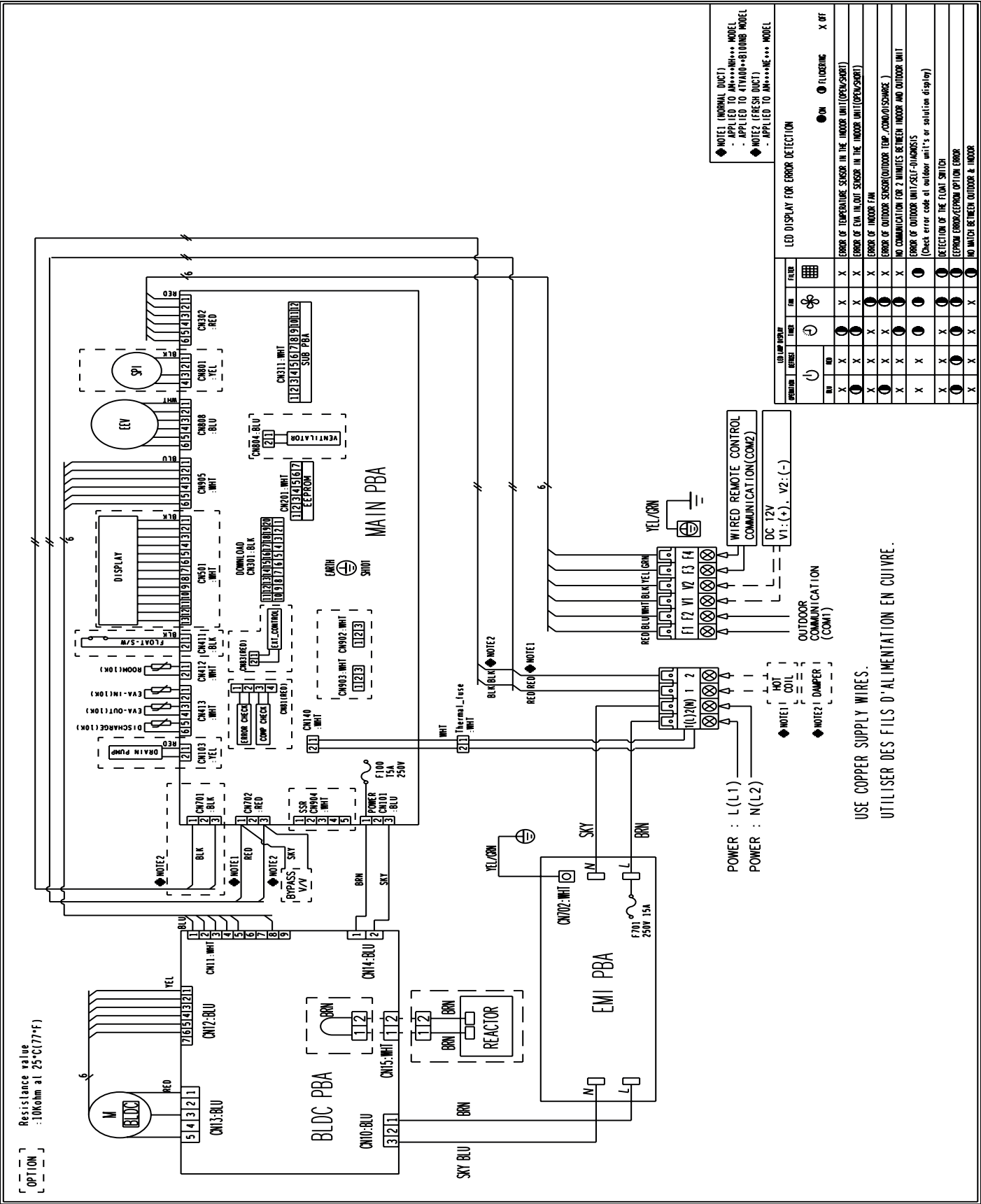
Table of descriptions

1	Refrigerant liquid pipe	7	Outside air flange
2	Refrigerant gas pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

Electrical wiring diagram

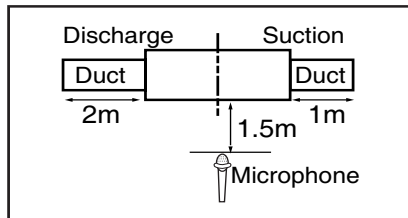
Dedicated Outdoor Air Ducted

VOSC072S4-4P, VOSC096S4-4P



Sound pressure level

Dedicated Outdoor Air Ducted



Unit: dB(A)

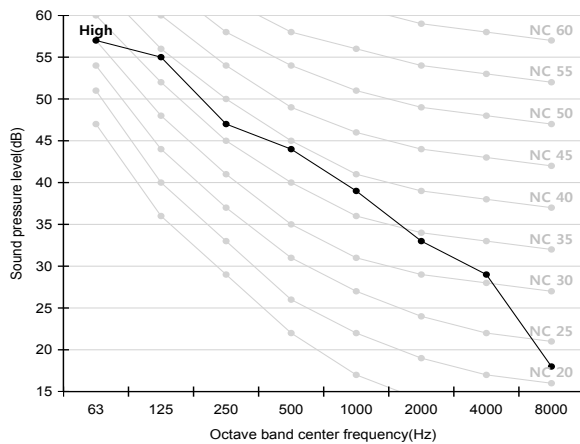
Model	High	Low
VOSC072S4-4P	47.0	
VOSC096S4-4P	47.0	

Note

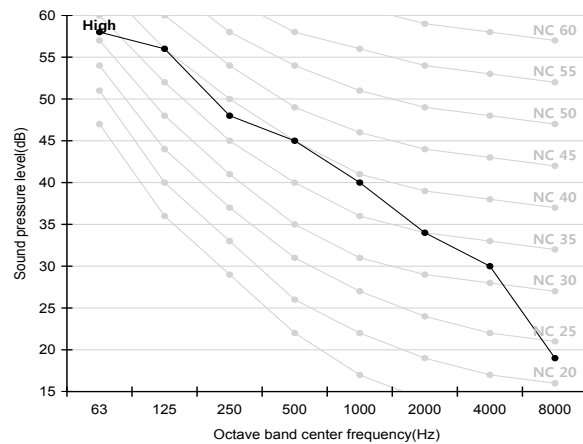
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- > Operation sound level may differ depending on operation and ambient conditions.)

NC curve

VOSC072S4-4P



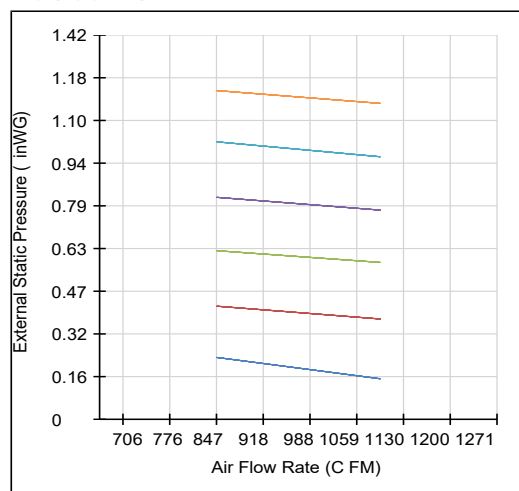
VOSC096S4-4P



Recommended operation range

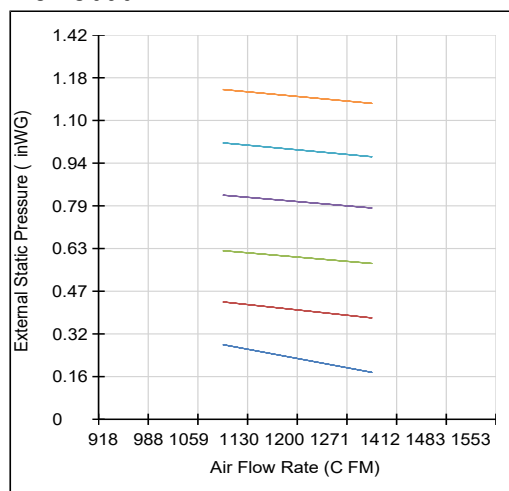
Dedicated Outdoor Air Ducted

VOSC072S4-4P



External Static Pressure (inWG)	Option Code
1.21 ~ 1.14	01B064-19348E-231515-333000
1 ~ 0.97 (Std)	01B064-19343E-231515-333000
0.82 ~ 0.77	01B064-1930EC-231515-333000
0.62 ~ 0.58	01B064-193097-231515-333000
0.42 ~ 0.37	01B064-193051-231515-333000
0.23 ~ 0.15	01B064-193020-231515-333000

VOSC096S4-4P



External Static Pressure (inWG)	Option Code
1.21 ~ 1.16	01B064-1934AE-231C1C-333000
1.02 ~ 0.97 (Std)	01B064-19345E-231C1C-333000
0.82 ~ 0.78	01B064-19340E-231C1C-333000
0.62 ~ 0.57	01B064-1930A8-231C1C-333000
0.43 ~ 0.37	01B064-193061-231C1C-333000
0.27 ~ 0.17	01B064-193030-231C1C-333000

Note

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



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