

VOSD

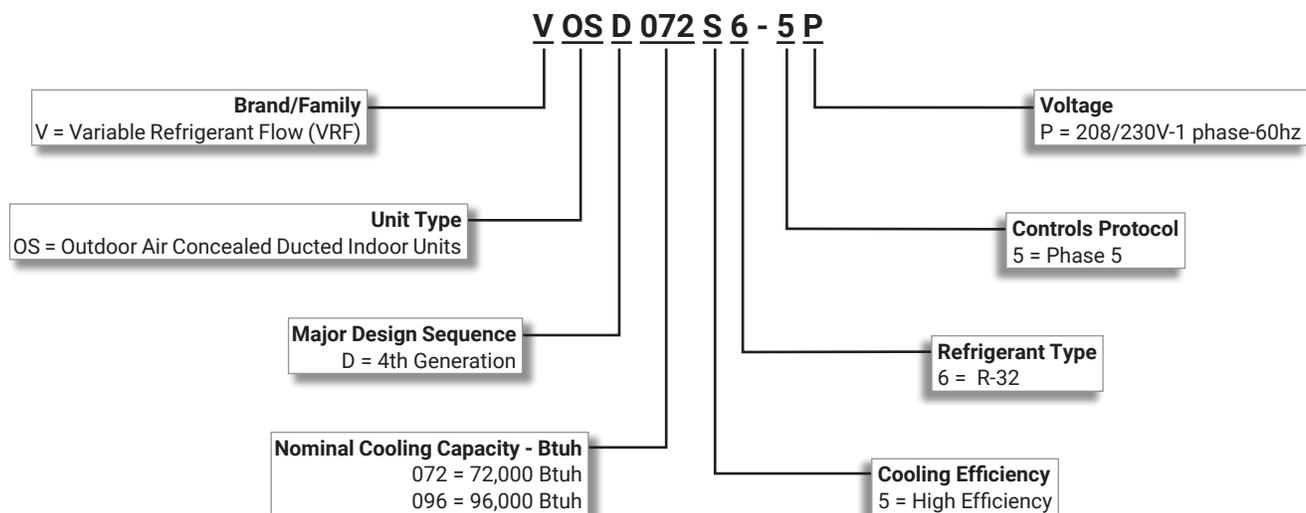
Outdoor Air Concealed Ducted Indoor Units | R-32 | 60Hz

72,000 to 96,000 Btuh

COMMERCIAL PRODUCT SPECIFICATIONS (EHB)



MODEL NUMBER IDENTIFICATION



CONTENTS

Blower Data	14
Capacity Table.	5
Center Of Gravity	10
Dimensions	9
Electrical Data / Performance Data	4
Electrical Wiring.	11
Model Number Identification.	1
Piping Diagram	16
Sound Power Levels	13
Sound Pressure Levels	12
Specifications	3

Specification

Outside Air Processing Ducted

Model Name			VOSD07256-5P	VOSD09656-5P	
Power Supply			Φ, #, V, Hz	1,2,208-230,60	
Mode			-	HEAT PUMP	
Performance	Capacity	Cooling	Btu/h	72,000	
			US RT	6.00	
		Heating	Btu/h	47,000	
			US RT	3.92	
Power	Power Input	Cooling	W	450	
		Heating	W	450	
	Current Input	Cooling	A	3.50	
		Heating	A	3.50	
	Current	MCA	A	6.25	
		MOP	A	15	
Heat Exchanger	Type	-		Fin & Tube	
	Material	Fin	-		Al
		Tube	-		Cu
Fin Treatment	-		Green Hydrophile	Green Hydrophile	
Fan	Type	-		Sirocco Fan	
	Quantity	EA		2	
	Air Flow Rate	High	CMM	28.3	
			CFM	989	
			l/s	471	
	External Pressure	Min/Std/Max	mmAq	20 / 25 / 30	
Pa			196 / 245 / 294		
In Wg			0.79 / 0.98 / 1.18		
Fan Motor	Type	-		BLDC	
	Output	W x n		630 x 1	
Piping Connections	Liquid Pipe	Type	Flare connection		
		Φ, mm (inch)	9.52 (3/8)		
	Gas Pipe	Type	Flare connection		
		Φ, mm (inch)	19.05 (3/4)		
	Heat insulation	-		Both liquid & gas pipes	Both liquid & gas pipes
Drain Pipe	Φ,mm		VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Wiring Connections	Communication	Min.	mm ²	0.75	
		AWG	18		
	Remark	-		F1, F2	F1, F2
Refrigerant	Type	-		R32	
	Control Method	-		EEV INCLUDED	
Sound Level	Sound Pressure Level	High	dB(A)	47	
	Sound Power Level	Cooling	dB(A)	69.0	
Dimensions	Net Weight	kg		81.0	
		lbs		178.6	
	Shipping Weight	kg		89.8	
		lbs		198.0	
	Net Dimensions (W×H×D)	mm		1,465 x 460 x 910	
		inch		57.68 x 18.11 x 35.83	
Shipping Dimensions (W×H×D)	mm		1,612 x 519 x 984		
	inch		63.46 x 20.43 x 38.74		
Casing	Material	-		Steel	
Additional Accessories	Drain pump	External Model	-		MDP-N047SNC1D
		Internal Model	-		-
		Max. lifting Height / Displacement	in / gal/h	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

Summary Table

Outside Air Processing Ducted

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				
VOSD072S6-5P	178.6	High	72,000	34,700	47,000	989	47	69	0.79 / 0.98 / 1.18
VOSD096S6-5P	178.6	High	96,000	47,300	59,000	1,236	47	69	0.79 / 0.98 / 1.18

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model Code	Power Supply (Φ, #, V, Hz)	Power Input (W)	Current Input (A)	MCA (A)	MOP (A)	FLA (A)
VOSD072S6-5P	1,2,208-230,60	450	3.5	6.25	15	4.1
VOSD096S6-5P	1,2,208-230,60	600	4.6	6.25	15	4.9

NOTE

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

Capacity Table

VOSD072S6-5P

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Discharge Temperature	Outdoor Temperature	Indoor Temperature (°F, WB)																		
		59.0		62.6		68.0		73.4		78.8		82.4		86.0		89.6		96.8		
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
°F	°F	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
55.4	68.0	18,900	17,200	27,600	16,800															
	71.6	20,600	20,600	27,600	20,600	43,300	20,600													
	77.0	26,100	26,100	27,600	26,100	43,300	26,100	60,400	26,100											
	80.6	29,800	29,800	29,800	29,800	43,300	29,800	60,400	29,800											
	84.2	33,400	33,400	33,400	33,400	43,300	33,400	60,400	33,400	78,900	33,400									
	87.8	37,000	37,000	37,000	37,000	43,300	37,000	60,400	37,000	78,900	37,000	92,300	37,000							
	91.4			40,500	40,500	43,300	40,500	60,400	40,500	78,900	40,500	92,300	40,500	107,000	40,500					
	95.0			44,000	44,000	44,000	44,000	60,400	44,000	78,900	44,000	92,300	44,000	107,000	44,000	109,500	36,500			
	98.6					47,500	47,500	60,400	47,500	78,900	47,500	92,300	47,500	107,000	47,500	109,500	40,200			
	104.0					52,600	52,600	60,400	52,600	78,900	52,600	92,300	52,600	107,000	52,600	109,500	45,800	104,100	29,400	
	113.0							60,800	60,800	78,900	60,800	92,300	60,800	107,000	60,800	109,500	54,800	104,100	38,400	
	118.4									78,900	65,700	92,300	65,700	107,000	65,700	109,500	60,100	104,100	43,600	
	122.0									78,900	68,800	92,300	68,800	107,000	68,800	109,500	63,600	104,100	47,000	
131.0											92,300	76,600	107,000	76,600	109,500	72,000	104,100	55,500		
59.0	68.0	18,900	17,200	19,200	12,900															
	71.6	20,000	20,000	19,200	16,700	35,100	16,700													
	77.0	22,300	22,300	22,300	22,300	35,100	22,300	52,400	22,300											
	80.6	26,000	26,000	26,000	26,000	35,100	26,000	52,400	26,000											
	84.2	29,600	29,600	29,600	29,600	35,100	29,600	52,400	29,600	71,100	29,600									
	87.8	33,200	33,200	33,200	33,200	35,100	33,200	52,400	33,200	71,100	33,200	84,500	33,200							
	91.4			36,800	36,800	36,800	36,800	52,400	36,800	71,100	36,800	84,500	36,800	99,300	36,800					
	95.0			40,300	40,300	40,300	40,300	52,400	40,300	71,100	40,300	84,500	40,300	99,300	40,300	109,500	36,500			
	98.6					43,800	43,800	52,400	43,800	71,100	43,800	84,500	43,800	99,300	43,800	109,500	40,200			
	104.0					48,900	48,900	52,400	48,900	71,100	48,900	84,500	48,900	99,300	48,900	109,500	45,800	104,100	29,400	
	113.0							57,200	57,200	71,100	57,200	84,500	57,200	99,300	57,200	109,500	54,800	104,100	38,400	
	118.4									71,100	62,100	84,500	62,100	99,300	62,100	109,500	60,100	104,100	43,600	
	122.0									71,100	65,300	84,500	65,300	99,300	65,300	109,500	63,600	104,100	47,000	
131.0											84,500	73,100	99,300	73,100	109,500	72,000	104,100	55,500		
64.4	68.0	18,900	17,200	18,500	12,700															
	71.6	20,000	20,000	18,500	16,200	21,700	10,900													
	77.0	19,600	19,600	19,600	19,600	21,700	16,500	39,300	16,500											
	80.6	20,200	20,200	20,200	20,200	21,700	20,200	39,300	20,200											
	84.2	23,900	23,900	23,900	23,900	23,900	23,900	39,300	23,900	58,600	23,900									
	87.8	27,600	27,600	27,600	27,600	27,600	27,600	39,300	27,600	58,600	27,600	72,000	27,600							
	91.4			31,100	31,100	31,100	31,100	39,300	31,100	58,600	31,100	72,000	31,100	87,000	31,100					
	95.0			34,700	34,700	34,700	34,700	39,300	34,700	58,600	34,700	72,000	34,700	87,000	34,700	102,600	34,700			
	98.6					38,200	38,200	39,300	38,200	58,600	38,200	72,000	38,200	87,000	38,200	102,600	38,200			
	104.0					43,400	43,400	43,400	43,400	58,600	43,400	72,000	43,400	87,000	43,400	102,600	43,400	104,100	29,400	
	113.0							51,800	51,800	58,600	51,800	72,000	51,800	87,000	51,800	102,600	51,800	104,100	38,400	
	118.4									58,600	56,700	72,000	56,700	87,000	56,700	102,600	56,700	104,100	43,600	
	122.0									60,000	60,000	72,000	60,000	87,000	60,000	102,600	60,000	104,100	47,000	
131.0											72,000	67,900	87,000	67,900	102,600	67,900	104,100	55,500		
69.8	68.0																			
	71.6	20,000	20,000	18,200	16,200	18,000	9,500													
	77.0	19,600	19,600	19,600	19,600	18,000	14,900	25,000	10,700											
	80.6	19,400	19,400	19,400	19,400	18,800	18,800	25,000	14,500											
	84.2	19,100	19,100	19,100	19,100	19,100	19,100	25,000	18,200	44,500	18,200									
	87.8	21,900	21,900	21,900	21,900	21,900	21,900	25,000	21,900	44,500	21,900	58,700	21,900							
91.4			25,500	25,500	25,500	25,500	25,500	25,500	44,500	25,500	58,700	25,500	73,500	25,500						

Capacity Table

VOSD072S6-5P

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Discharge Temperature	Outdoor Temperature	Indoor Temperature (°F, WB)																		
		59.0		62.6		68.0		73.4		78.8		82.4		86.0		89.6		96.8		
DB	DB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
°F	°F	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
69.8	95.0			29,100	29,100	29,100	29,100	29,100	29,100	44,500	29,100	58,700	29,100	73,500	29,100	89,300	29,100			
	98.6					32,600	32,600	32,600	32,600	44,500	32,600	58,700	32,600	73,500	32,600	89,300	32,600			
	104.0					37,900	37,900	37,900	37,900	44,500	37,900	58,700	37,900	73,500	37,900	89,300	37,900	104,100	29,400	
	113.0							46,400	46,400	46,400	46,400	58,700	46,400	73,500	46,400	89,300	46,400	104,100	38,400	
	118.4									51,400	51,400	58,700	51,400	73,500	51,400	89,300	51,400	104,100	43,600	
	122.0									54,600	54,600	58,700	54,600	73,500	54,600	89,300	54,600	104,100	47,000	
	131.0												62,600	62,600	73,500	62,600	89,300	62,600	104,100	55,500
77.0	68.0																			
	71.6																			
	77.0																			
	80.6	19,400	19,400	19,400	19,400	18,800	18,800	17,700	11,700											
	84.2	19,100	19,100	19,100	19,100	19,100	19,100	17,700	15,200	24,200	10,600									
	87.8	18,800	18,800	18,800	18,800	18,800	18,800	18,800	18,800	24,200	14,300	38,100	14,300							
	91.4			18,500	18,500	18,500	18,500	18,500	18,500	24,200	18,000	38,100	18,000	53,800	18,000					
	95.0			21,600	21,600	21,600	21,600	21,600	21,600	24,200	21,600	38,100	21,600	53,800	21,600	69,800	21,600			
	98.6					25,200	25,200	25,200	25,200	25,200	25,200	38,100	25,200	53,800	25,200	69,800	25,200			
	104.0					30,500	30,500	30,500	30,500	30,500	30,500	38,100	30,500	53,800	30,500	69,800	30,500	104,100	29,400	
	113.0							39,100	39,100	39,100	39,100	39,100	39,100	53,800	39,100	69,800	39,100	104,100	38,400	
	118.4									44,200	44,200	44,200	44,200	53,800	44,200	69,800	44,200	104,100	43,600	
	122.0									47,500	47,500	47,500	47,500	53,800	47,500	69,800	47,500	104,100	47,000	
131.0												55,600	55,600	55,600	55,600	69,800	55,600	104,100	55,600	

Heating

TC : Total Capacity,

Discharge Temperature	Indoor Temperature (°F, WB)						
	19.4	23.0	32.0	37.4	44.6	51.8	59.0
DB	TC	TC	TC	TC	TC	TC	TC
°F	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
64.4	48,100	44,300	34,600	28,900	21,100	13,400	5,600
68.0	51,600	47,800	38,200	32,500	24,800	17,100	9,400
71.6	55,100	51,300	41,800	36,100	28,500	20,800	13,100
75.2	58,500	54,700	45,300	39,600	32,000	24,500	16,800
77.0	60,100	56,400	47,000	41,400	33,800	26,300	18,700
78.8	61,800	58,100	48,700	43,100	35,600	28,000	20,500
82.4	65,100	61,400	52,100	46,500	39,100	31,600	24,100
86.0	68,400	64,700	55,500	49,900	42,500	35,100	27,600

NOTE

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

Capacity Table

VOSD096S6-5P

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Discharge Temperature	Outdoor Temperature	Indoor Temperature (°F, WB)																		
		59.0		62.6		68.0		73.4		78.8		82.4		86.0		89.6		96.8		
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
DB	DB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
°F	°F																			
55.4	68.0	25,200	23,400	36,700	22,900															
	71.6	28,000	28,000	36,700	28,000	57,800	28,000													
	77.0	35,600	35,600	36,700	35,600	57,800	35,600	80,500	35,600											
	80.6	40,600	40,600	40,600	40,600	57,800	40,600	80,500	40,600											
	84.2	45,500	45,500	45,500	45,500	57,800	45,500	80,500	45,500	105,200	45,500									
	87.8	50,400	50,400	50,400	50,400	57,800	50,400	80,500	50,400	105,200	50,400	123,100	50,400							
	91.4			55,200	55,200	57,800	55,200	80,500	55,200	105,200	55,200	123,100	55,200	142,600	55,200					
	95.0			60,000	60,000	60,000	60,000	80,500	60,000	105,200	60,000	123,100	60,000	142,600	60,000	146,000	49,800			
	98.6					64,700	64,700	80,500	64,700	105,200	64,700	123,100	64,700	142,600	64,700	146,000	54,900			
	104.0					71,600	71,600	80,500	71,600	105,200	71,600	123,100	71,600	142,600	71,600	146,000	62,400	138,800	40,100	
	113.0							82,900	82,900	105,200	82,900	123,100	82,900	142,600	82,900	146,000	74,700	138,800	52,300	
	118.4									105,200	89,500	123,100	89,500	142,600	89,500	146,000	81,900	138,800	59,400	
	122.0									105,200	93,800	123,100	93,800	142,600	93,800	146,000	86,700	138,800	64,100	
131.0											123,100	104,400	142,600	104,400	146,000	98,200	138,800	75,700		
59.0	68.0	25,200	23,400	25,600	17,600															
	71.6	27,300	27,300	25,600	22,700	46,800	22,700													
	77.0	30,400	30,400	30,400	30,400	46,800	30,400	69,800	30,400											
	80.6	35,400	35,400	35,400	35,400	46,800	35,400	69,800	35,400											
	84.2	40,400	40,400	40,400	40,400	46,800	40,400	69,800	40,400	94,800	40,400									
	87.8	45,300	45,300	45,300	45,300	46,800	45,300	69,800	45,300	94,800	45,300	112,700	45,300							
	91.4			50,100	50,100	50,100	50,100	69,800	50,100	94,800	50,100	112,700	50,100	132,300	50,100					
	95.0			54,900	54,900	54,900	54,900	69,800	54,900	94,800	54,900	112,700	54,900	132,300	54,900	146,000	49,800			
	98.6					59,700	59,700	69,800	59,700	94,800	59,700	112,700	59,700	132,300	59,700	146,000	54,900			
	104.0					66,600	66,600	69,800	66,600	94,800	66,600	112,700	66,600	132,300	66,600	146,000	62,400	138,800	40,100	
	113.0							78,000	78,000	94,800	78,000	112,700	78,000	132,300	78,000	146,000	74,700	138,800	52,300	
	118.4									94,800	84,700	112,700	84,700	132,300	84,700	146,000	81,900	138,800	59,400	
	122.0									94,800	89,000	112,700	89,000	132,300	89,000	146,000	86,700	138,800	64,100	
131.0											112,700	99,600	132,300	99,600	146,000	98,200	138,800	75,700		
64.4	68.0	25,200	23,400	24,700	17,300															
	71.6	27,300	27,300	24,700	22,100	29,000	14,800													
	77.0	26,700	26,700	26,700	26,700	29,000	22,500	52,400	22,500											
	80.6	27,600	27,600	27,600	27,600	29,000	27,600	52,400	27,600											
	84.2	32,600	32,600	32,600	32,600	32,600	32,600	52,400	32,600	78,100	32,600									
	87.8	37,600	37,600	37,600	37,600	37,600	37,600	52,400	37,600	78,100	37,600	96,000	37,600							
	91.4			42,500	42,500	42,500	42,500	52,400	42,500	78,100	42,500	96,000	42,500	115,900	42,500					
	95.0			47,300	47,300	47,300	47,300	52,400	47,300	78,100	47,300	96,000	47,300	115,900	47,300	136,800	47,300			
	98.6					52,100	52,100	52,400	52,100	78,100	52,100	96,000	52,100	115,900	52,100	136,800	52,100			
	104.0					59,100	59,100	59,100	59,100	78,100	59,100	96,000	59,100	115,900	59,100	136,800	59,100	138,800	40,100	
	113.0							70,600	70,600	78,100	70,600	96,000	70,600	115,900	70,600	136,800	70,600	138,800	52,300	
	118.4									78,100	77,300	96,000	77,300	115,900	77,300	136,800	77,300	138,800	59,400	
	122.0									81,800	81,800	96,000	81,800	115,900	81,800	136,800	81,800	138,800	64,100	
131.0											96,000	92,500	115,900	92,500	136,800	92,500	138,800	75,700		
69.8	68.0																			
	71.6	27,300	27,300	24,300	22,100	24,000	12,900													
	77.0	26,700	26,700	26,700	26,700	24,000	20,300	33,300	14,600											
	80.6	26,400	26,400	26,400	26,400	25,600	25,600	33,300	19,800											
	84.2	26,000	26,000	26,000	26,000	26,100	26,100	33,300	24,800	59,300	24,800									
	87.8	29,800	29,800	29,800	29,800	29,800	29,800	33,300	29,800	59,300	29,800	78,300	29,800							
91.4			34,800	34,800	34,800	34,800	34,800	34,800	59,300	34,800	78,300	34,800	97,900	34,800						

Capacity Table

VOSD096S6-5P

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Discharge Temperature	Outdoor Temperature	Indoor Temperature (°F, WB)																		
		59.0		62.6		68.0		73.4		78.8		82.4		86.0		89.6		96.8		
DB	DB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
°F	°F	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
69.8	95.0			39,700	39,700	39,700	39,700	39,700	39,700	59,300	39,700	78,300	39,700	97,900	39,700	119,100	39,700			
	98.6					44,500	44,500	44,500	44,500	59,300	44,500	78,300	44,500	97,900	44,500	119,100	44,500			
	104.0					51,600	51,600	51,600	51,600	59,300	51,600	78,300	51,600	97,900	51,600	119,100	51,600	138,800	40,100	
	113.0							63,200	63,200	63,200	63,200	78,300	63,200	97,900	63,200	119,100	63,200	138,800	52,300	
	118.4									70,000	70,000	78,300	70,000	97,900	70,000	119,100	70,000	138,800	59,400	
	122.0									74,500	74,500	78,300	74,500	97,900	74,500	119,100	74,500	138,800	64,100	
	131.0												85,400	85,400	97,900	85,400	119,100	85,400	138,800	75,700
77.0	68.0																			
	71.6																			
	77.0																			
	80.6	26,400	26,400	26,400	26,400	25,600	25,600	23,600	15,900											
	84.2	26,000	26,000	26,000	26,000	26,100	26,100	23,600	20,700	32,300	14,400									
	87.8	25,700	25,700	25,700	25,700	25,700	25,700	25,600	25,600	32,300	19,500	50,800	19,500							
	91.4			25,200	25,200	25,200	25,200	25,200	25,200	32,300	24,500	50,800	24,500	71,800	24,500					
	95.0			29,500	29,500	29,500	29,500	29,500	29,500	32,300	29,500	50,800	29,500	71,800	29,500	93,100	29,500			
	98.6					34,400	34,400	34,400	34,400	34,400	34,400	50,800	34,400	71,800	34,400	93,100	34,400			
	104.0					41,600	41,600	41,600	41,600	41,600	41,600	50,800	41,600	71,800	41,600	93,100	41,600	138,800	40,100	
	113.0							53,400	53,400	53,400	53,400	53,400	53,400	71,800	53,400	93,100	53,400	138,800	52,300	
	118.4									60,200	60,200	60,200	60,200	71,800	60,200	93,100	60,200	138,800	59,400	
122.0									64,800	64,800	64,800	64,800	71,800	64,800	93,100	64,800	138,800	64,100		
131.0												75,800	75,800	75,800	75,800	93,100	75,800	138,800	75,800	

Heating

TC : Total Capacity,

Discharge Temperature	Indoor Temperature (°F, WB)						
	19.4	23.0	32.0	37.4	44.6	51.8	59.0
DB	TC	TC	TC	TC	TC	TC	TC
°F	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
64.4	60,400	55,600	43,500	36,200	26,500	16,800	7,000
68.0	64,800	60,000	48,000	40,800	31,200	21,500	11,800
71.6	69,100	64,300	52,400	45,300	35,700	26,100	16,500
75.2	73,400	68,700	56,800	49,700	40,200	30,700	21,100
77.0	75,500	70,800	59,000	51,900	42,500	33,000	23,400
78.8	77,600	72,900	61,200	54,100	44,700	35,200	25,700
82.4	81,800	77,100	65,400	58,400	49,100	39,700	30,200
86.0	85,900	81,200	69,700	62,700	53,400	44,100	34,700

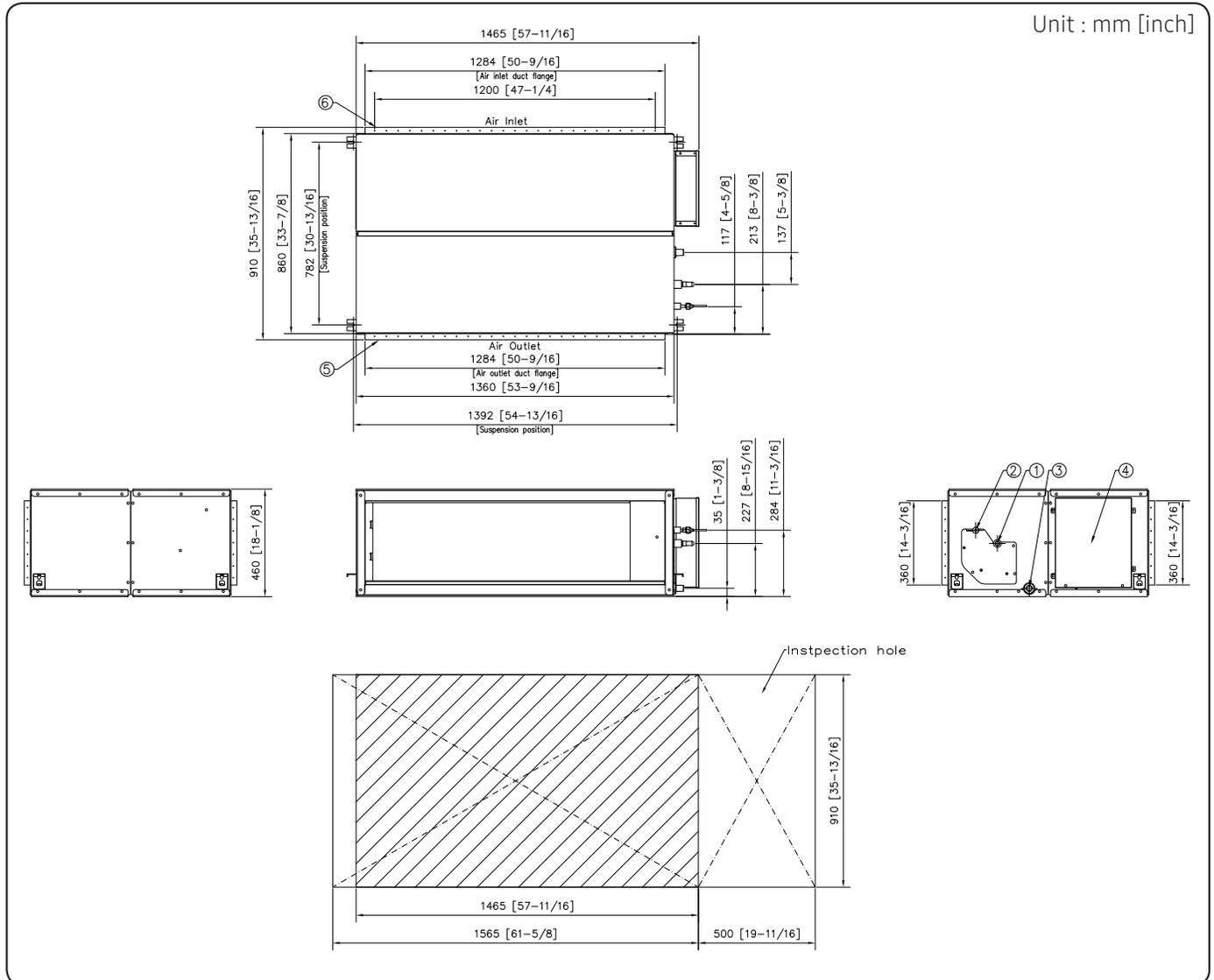
NOTE

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

Dimensional Drawing

Outside Air Processing Ducted

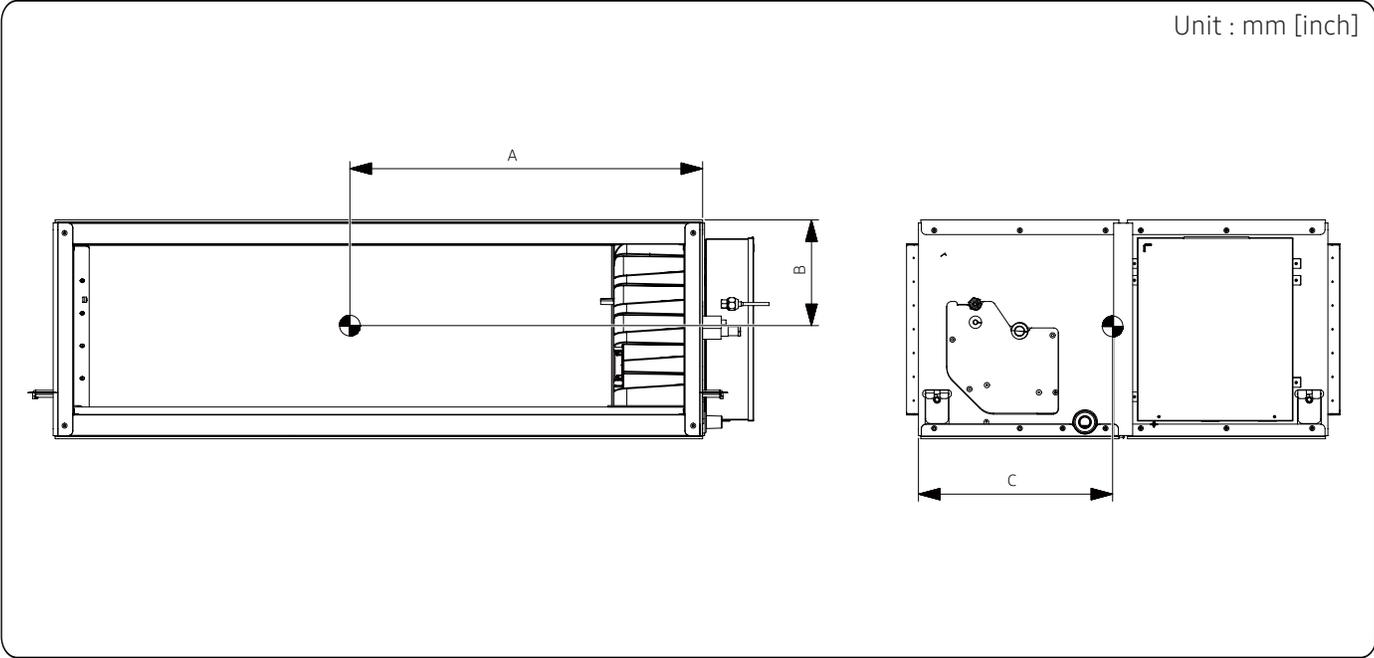
VOSD072S6-5P, VOSD096S6-5P



No.	Name	Description	
		VOSD072S6-5P	VOSD096S6-5P
1	Gas pipe connection	Φ 19.05 [3/4]	Φ 22.22 [7/8]
2	Liquid pipe connection	Φ 9.52 [3/8]	
3	Drain pipe connection	VP25 (OD 32, ID 25)	
4	Power & Communication Conduits	-	
5	Air discharge grille flange	-	
6	Return Air Side	-	

Center of Gravity

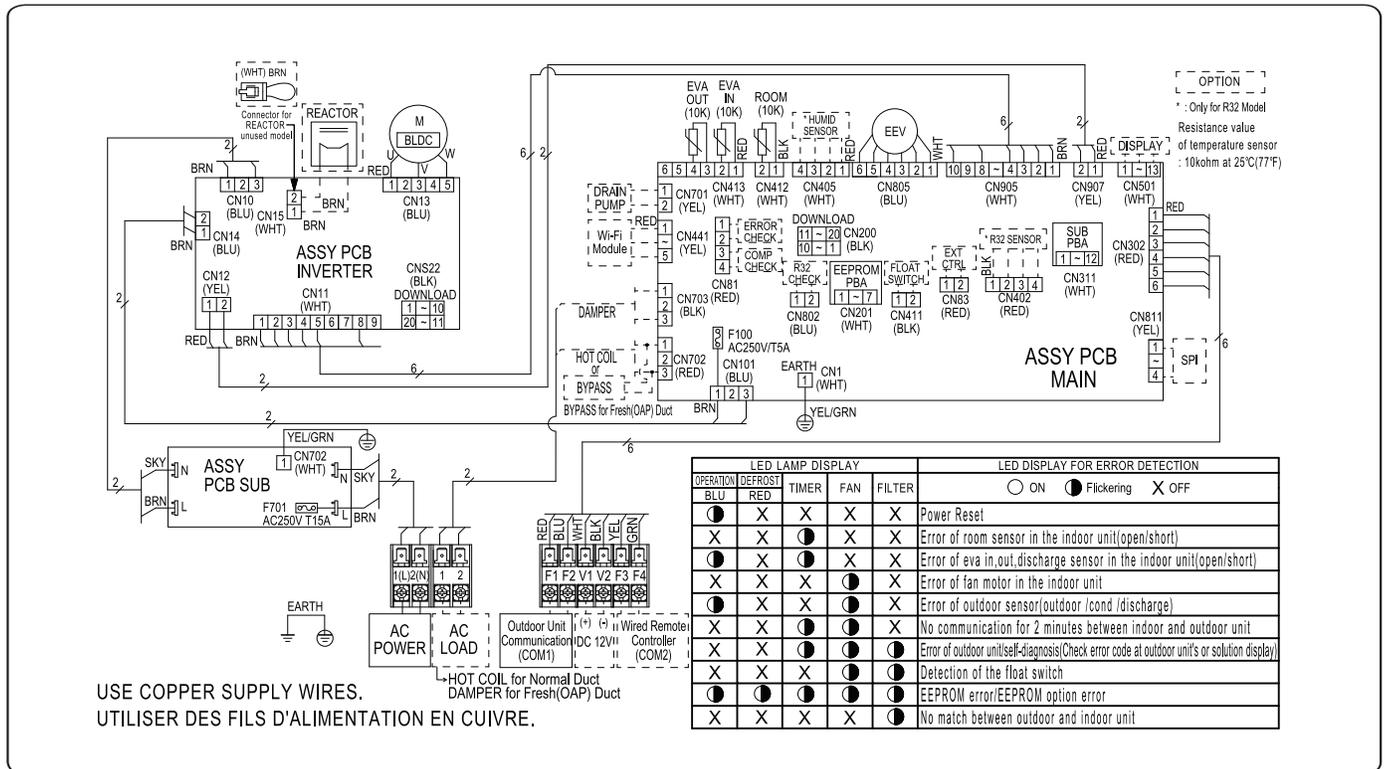
Outside Air Processing Ducted



Model	A	B	C
VOSD072S6-5P	670 [26-3/8]	220 [8-21/32]	420 [16-17/32]
VOSD096S6-5P	670 [26-3/8]	220 [8-21/32]	420 [16-17/32]

Electrical Wiring Diagram

Outside Air Processing Ducted



F100	Fuse	EEPROM	EEPROM SUB PBA
M-BLDC	Motor for Indoor Fan	DISPLAY	DISPLAY SUB PBA
SPI	S-Plasma ion	EXT CTRL	Input port for external contact control
ERROR CHECK	Contact output port for error check	EEV	Electronic Expansion Valve
COMP CHECK	Contact output port for compressor operation check	DISCHARGE OUT(10K)	DISCHARGE TEMPERATURE SENSOR
ROOM(10K)	Thermistor - Indoor Room	R32 SENSOR	R32 Gas sensor
EVA IN(10K)	Thermistor - IDU heat exchanger In	R32 CHECK	Contact output port for R32 Gas check
EVA OUT(10K)	Thermistor - IDU heat exchanger Out	-	-

NOTE

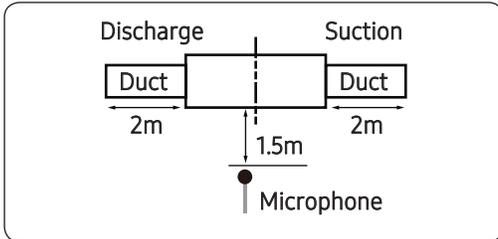
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow : BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, GRN: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- Protective earth(screw), : connector, : The wire quantity

Sound Data

Outside Air Processing Ducted

Sound Pressure level

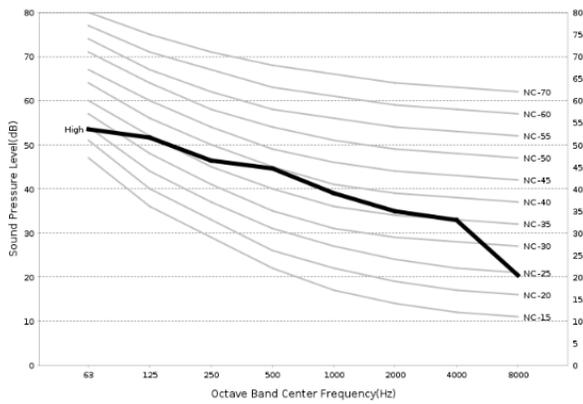
Unit: dB(A)



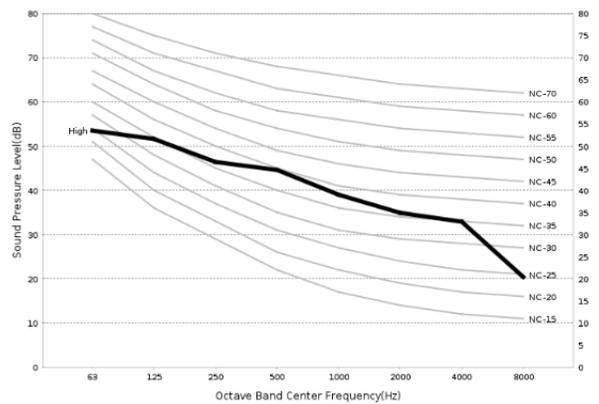
Model	High
VOSD072S6-5P	47
VOSD096S6-5P	47

- NC Curve

1) VOSD072S6-5P



2) VOSD096S6-5P



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

Sound Data

Outside Air Processing Ducted

Sound Power level

Unit: dB(A)

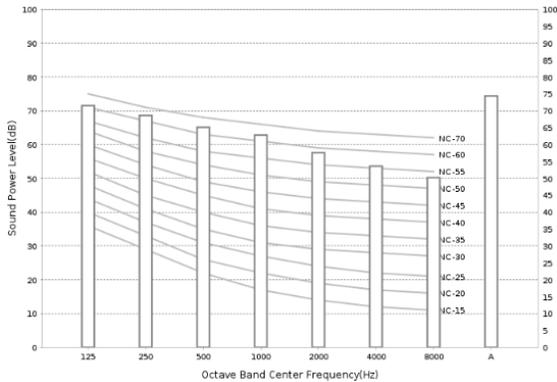
NOTE

- 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.

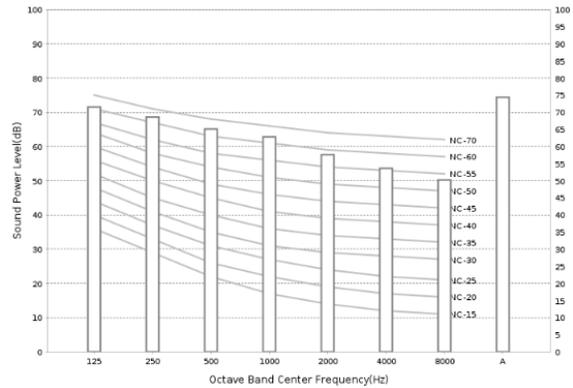
Model	Power
VOXD072S6-5P	69
VOXD096S6-5P	69

• NC Curve

1) VOXD072S6-5P



2) VOXD096S6-5P

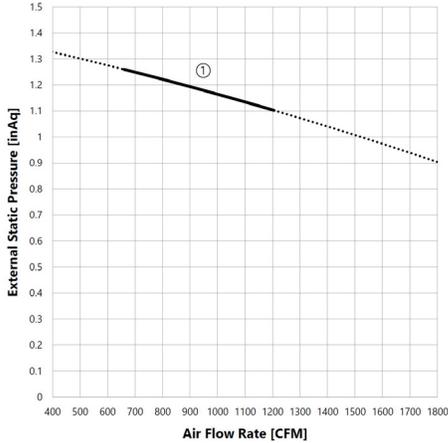


Fan Characteristics

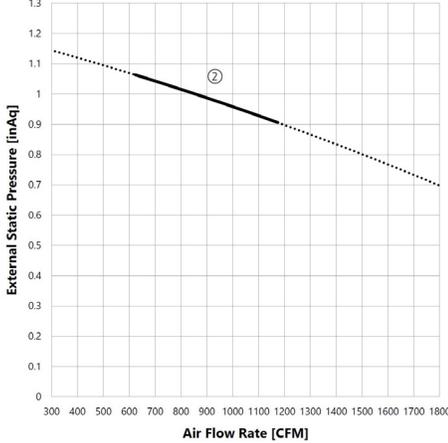
Outside Air Processing Ducted

1) VOSD072S6-5P

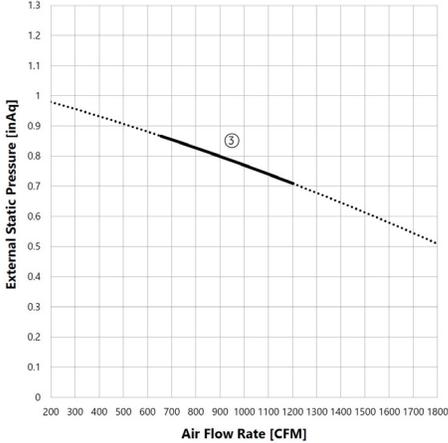
1	External Static Pressure(in Wg)	Option Code
	0.8	01B064-1C341E-231515-333000



2	External Static Pressure(in Wg)	Option Code
	1.0	01B064-1C3574-231515-333000



3	External Static Pressure(in Wg)	Option Code
	1.2	01B064-1C35B8-231515-333000

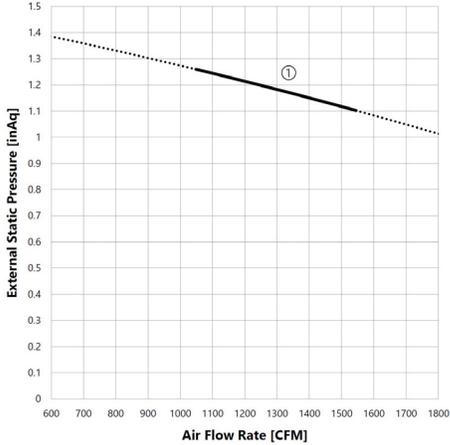


Fan Characteristics

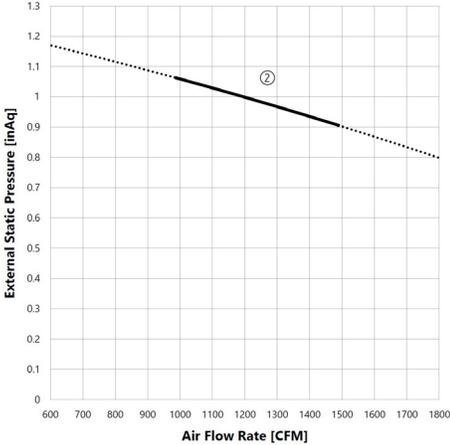
Outside Air Processing Ducted

2) VOSD096S6-5P

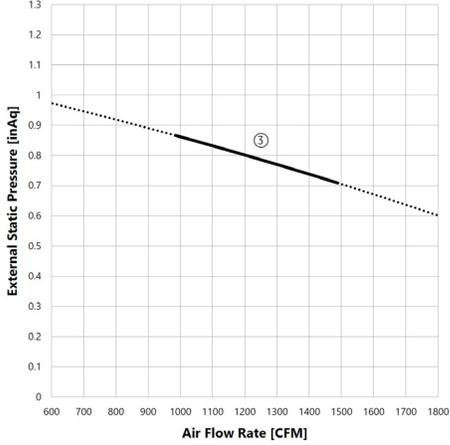
1	External Static Pressure(in Wg)	Option Code
	0.8	01B064-1C3553-231C1C-333000



2	External Static Pressure(in Wg)	Option Code
	1.0	01B064-1C35A7-231C1C-333000



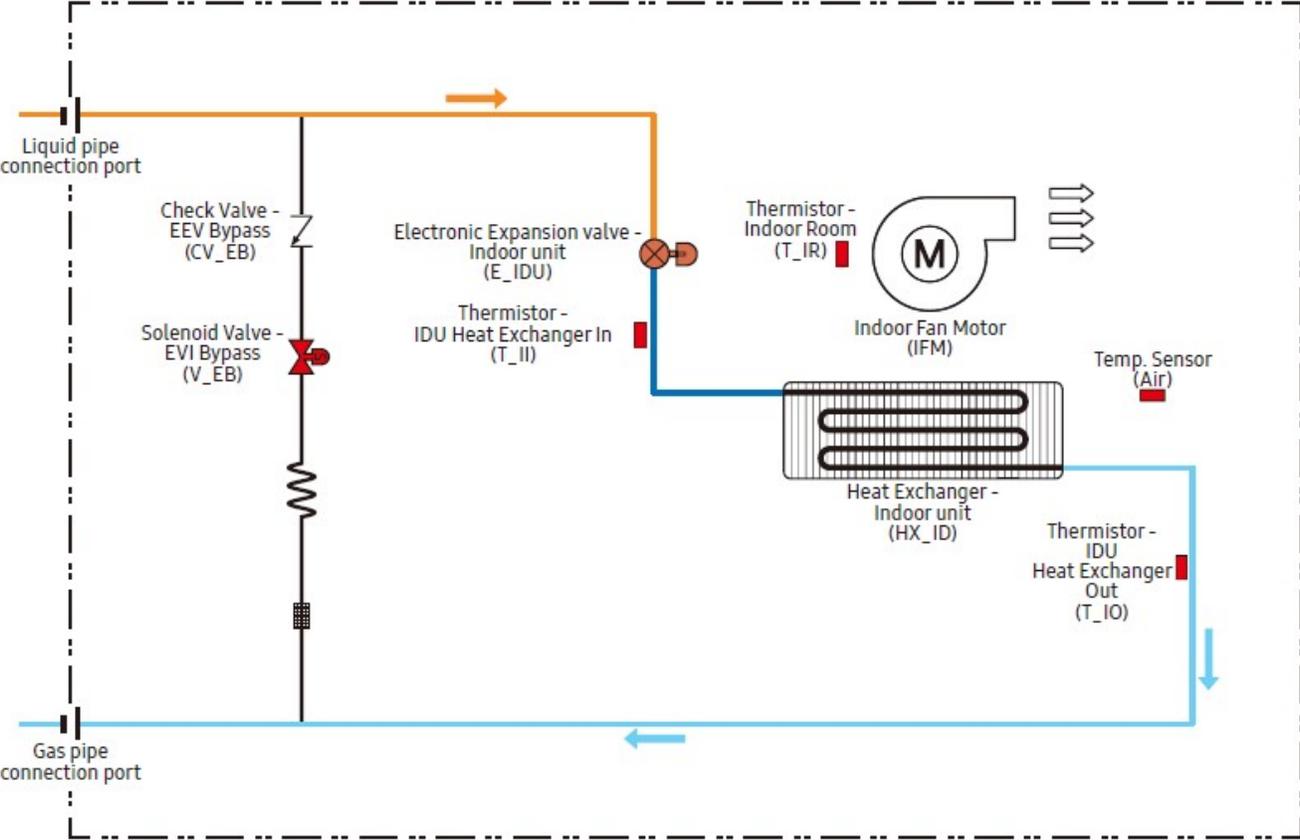
3	External Static Pressure(in Wg)	Option Code
	1.2	01B064-1C35DB-231C1C-333000



Piping Diagram

Outside Air Processing Ducted

Cooling

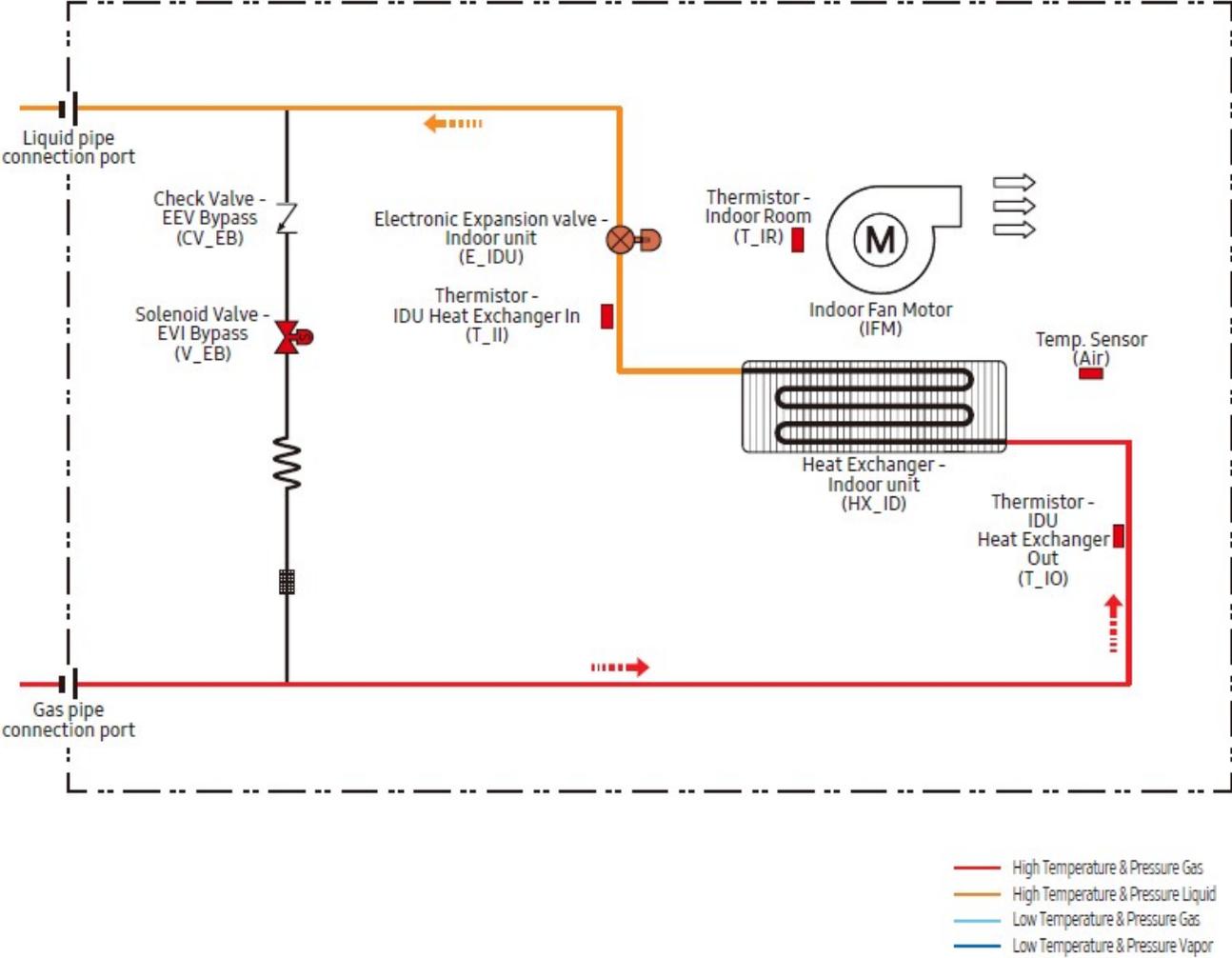


- High Temperature & Pressure Gas
- High Temperature & Pressure Liquid
- Low Temperature & Pressure Gas
- Low Temperature & Pressure Vapor

Piping Diagram

Outside Air Processing Ducted

Heating





Intertek



Visit us at www.lennox.com

For the latest technical information, www.lennoxcommercial.com

Contact us at 1-800-4-LENNOX

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.

©2026 Lennox Industries, Inc.