

VSCD/VSED

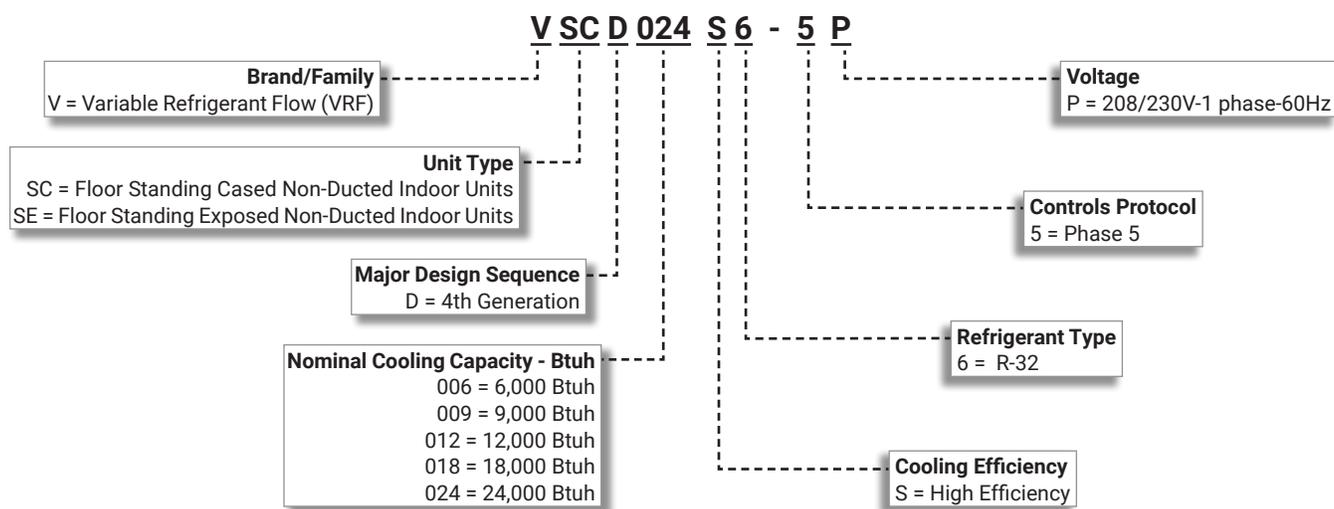
Floor Standing Indoor Units (Cased/Exposed) | R-32 | 60Hz

6,000 to 24,000 Btuh

COMMERCIAL PRODUCT SPECIFICATIONS (EHB)



MODEL NUMBER IDENTIFICATION



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Specification

Floor Standing

Model Name				VSCD00656-5P	VSCD00956-5P	VSCD01256-5P	
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	6,000	9,500	12,000	
			US RT	0.50	0.79	1.00	
		Heating	Btu/h	6,700	10,500	13,500	
			US RT	0.56	0.88	1.13	
Power	Power Input	Cooling	W	35	40	50	
		Heating	W	35	40	50	
	Current Input	Cooling	A	0.20	0.22	0.24	
		Heating	A	0.20	0.22	0.24	
	Current	MCA	A	1.00	1.00	1.00	
		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			Green Hydrophile	Green Hydrophile	Green Hydrophile	
Fan	Type			Sirocco Fan	Sirocco Fan	Sirocco Fan	
	Quantity			EA	2	2	
	Air Flow Rate	High / Med / Low	CMM	5.0 / 4.0 / 3.0	7.1 / 5.6 / 4.6	10.0 / 8.6 / 6.0	
			CFM	175 / 140 / 105	250 / 195 / 160	350 / 300 / 210	
l/s			83 / 67 / 50	119 / 93 / 76	167 / 143 / 100		
Fan Motor	Type			BLDC	BLDC	BLDC	
	Output			W × n	100 x 1	100 x 1	
Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	
		Φ, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
	Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
		Φ, mm (inch)		12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	
	Heat insulation			Both liquid & gas pipes	Both liquid & gas pipes	Both liquid & gas pipes	
Drain Pipe			Φ,mm	ID18 HOSE	ID18 HOSE		
Wiring Connections	Communication	Min.	mm ²	0.75	0.75	0.75	
			AWG	18	18	18	
	Remark			-	F1, F2	F1, F2	
Refrigerant	Type			-	R32	R32	
	Control Method			-	EEV INCLUDED	EEV INCLUDED	
Sound Level	Sound Pressure Level	High / Med / Low	dB(A)	27 / 24 / 20	29 / 27 / 25	37 / 32 / 27	
	Sound Power Level	Cooling	dB(A)	42	44	52	
Dimensions	Net Weight			kg	21.8	21.8	
				lbs	48.1	48.1	
	Shipping Weight			kg	26.0	26.0	
				lbs	57.3	57.3	
	Net Dimensions (W×H×D)			mm	945 x 600 x 220	945 x 600 x 220	945 x 600 x 220
				inch	37.20 x 23.62 x 8.66	37.20 x 23.62 x 8.66	37.20 x 23.62 x 8.66
Shipping Dimensions (W×H×D)			mm	1,055 x 705 x 320	1,055 x 705 x 320	1,055 x 705 x 320	
			inch	41.54 x 27.76 x 12.60	41.54 x 27.76 x 12.60	41.54 x 27.76 x 12.60	
Casing	Material			-	Steel	Steel	
Additional Accessories	Drain pump			-	-	-	
		Max. lifting Height / Displacement	in / gal/h	-	-	-	
	Air Filter			-	Long life filter	Long life 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

Specification

Floor Standing

Model Name				VSCD018S6-5P	VSCD024S6-5P
Power Supply		Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60
Mode				HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Btu/h	18,000	24,000
			US RT	1.50	2.00
		Heating	Btu/h	20,000	27,000
			US RT	1.67	2.25
Power	Power Input	Cooling	W	110	110
		Heating	W	110	110
	Current Input	Cooling	A	0.53	0.53
		Heating	A	0.53	0.53
	Current	MCA	A	1.00	1.00
		MOP	A	15	15
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2
	Air Flow Rate	High / Med / Low	CMM	15.7 / 14.1 / 11.1	15.7 / 14.1 / 11.1
			CFM	550 / 495 / 390	550 / 495 / 390
l/s			262 / 236 / 186	262 / 236 / 186	
Fan Motor	Type		-	BLDC	BLDC
	Output		W × n	100 x 1	100 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	12.70 (1/2)	15.88 (5/8)
	Heat insulation		-	Both liquid & gas pipes	Both liquid & gas pipes
Drain Pipe		Φ,mm	ID18 HOSE	ID18 HOSE	
Wiring Connections	Communication	Min.	mm ²	0.75	0.75
			AWG	18	18
	Remark		-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound Level	Sound Pressure Level	High / Med / Low	dB(A)	40 / 36 / 32	42 / 38 / 34
	Sound Power Level	Cooling	dB(A)	58	60
Dimensions	Net Weight		kg	28.2	28.2
			lbs	62.2	62.2
	Shipping Weight		kg	32.8	32.8
			lbs	72.3	72.3
	Net Dimensions (W×H×D)		mm	1,225 x 600 x 220	1,225 x 600 x 220
			inch	48.23 x 23.62 x 8.66	48.23 x 23.62 x 8.66
	Shipping Dimensions (W×H×D)		mm	1,345 x 705 x 320	1,345 x 705 x 320
inch			52.95 x 27.76 x 12.60	52.95 x 27.76 x 12.60	
Casing	Material		-	Steel	Steel
Additional Accessories	Drain pump	Max. lifting Height / Displacement		-	-
		in / gal/h		-	-
	Air Filter		-	Long life filter	Long life filter

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 - 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

Specification

Floor Standing

Model Name				VSED00656-5P	VSED00956-5P	VSED01256-5P
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	6,000	9,500	12,000
			US RT	0.50	0.79	1.00
		Heating	Btu/h	6,700	10,500	13,500
			US RT	0.56	0.88	1.13
Power	Power Input	Cooling	W	35	40	50
		Heating	W	35	40	50
	Current Input	Cooling	A	0.20	0.22	0.24
		Heating	A	0.20	0.22	0.24
	Current	MCA	A	1.00	1.00	1.00
		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		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2	2
	Air Flow Rate	High / Med / Low	CMM	5.0 / 4.0 / 3.0	7.1 / 5.6 / 4.6	10.0 / 8.6 / 6.0
			CFM	175 / 140 / 105	250 / 195 / 160	350 / 300 / 210
l/s			83 / 67 / 50	119 / 93 / 76	167 / 143 / 100	
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	100 x 1	100 x 1	100 x 1
Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	Type		Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		12.70 (1/2)	12.70 (1/2)	12.70 (1/2)
	Heat insulation		-	Both liquid & gas pipes	Both liquid & gas pipes	Both liquid & gas pipes
Drain Pipe		Φ,mm	ID18 HOSE	ID18 HOSE	ID18 HOSE	
Wiring Connections	Communication	Min.	mm ²	0.75	0.75	0.75
			AWG	18	18	18
	Remark		-	F1, F2	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)	27 / 24 / 20	29 / 27 / 25	37 / 32 / 27
	Sound Power Level	Cooling	dB(A)	42	44	52
Dimensions	Net Weight		kg	25.3	25.3	25.3
			lbs	55.8	55.8	55.8
	Shipping Weight		kg	29.2	29.2	29.2
			lbs	64.4	64.4	64.4
	Net Dimensions (W×H×D)		mm	1,169 x 600 x 220	1,169 x 600 x 220	1,169 x 600 x 220
			inch	46.02 x 23.62 x 8.66	46.02 x 23.62 x 8.66	46.02 x 23.62 x 8.66
	Shipping Dimensions (W×H×D)		mm	1,265 x 705 x 320	1,265 x 705 x 320	1,265 x 705 x 320
		inch	49.80 x 27.76 x 12.60	49.80 x 27.76 x 12.60	49.80 x 27.76 x 12.60	
Casing	Material		-	Steel	Steel	Steel
Additional Accessories	Drain pump		-	-	-	-
		Max. lifting Height / Displacement	in / gal/h	-	-	-
	Air Filter		-	Long life filter	Long life filter	Long life 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

Specification

Floor Standing

Model Name				VSED018S6-5P	VSED024S6-5P
Power Supply		Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60
Mode				HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Btu/h	18,000	24,000
			US RT	1.50	2.00
		Heating	Btu/h	20,000	27,000
			US RT	1.67	2.25
Power	Power Input	Cooling	W	110	110
		Heating	W	110	110
	Current Input	Cooling	A	0.53	0.53
		Heating	A	0.53	0.53
	Current	MCA	A	1.00	1.00
		MOP	A	15	15
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2
	Air Flow Rate	High / Med / Low	CMM	15.7 / 14.1 / 11.1	15.7 / 14.1 / 11.1
			CFM	550 / 495 / 390	550 / 495 / 390
l/s			262 / 236 / 186	262 / 236 / 186	
Fan Motor	Type		-	BLDC	BLDC
	Output		W × n	100 x 1	100 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	12.70 (1/2)	15.88 (5/8)
	Heat insulation		-	Both liquid & gas pipes	Both liquid & gas pipes
Drain Pipe		Φ,mm	ID18 HOSE	ID18 HOSE	
Wiring Connections	Communication	Min.	mm ²	0.75	0.75
			AWG	18	18
	Remark		-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound Level	Sound Pressure Level	High / Med / Low	dB(A)	40 / 36 / 32	42 / 38 / 34
	Sound Power Level	Cooling	dB(A)	58	60
Dimensions	Net Weight		kg	30.8	30.8
			lbs	67.9	67.9
	Shipping Weight		kg	35.6	35.6
			lbs	78.5	78.5
	Net Dimensions (W×H×D)		mm	1,449 x 600 x 220	1,449 x 600 x 220
			inch	57.05 x 23.62 x 8.66	57.05 x 23.62 x 8.66
	Shipping Dimensions (W×H×D)		mm	1,545 x 705 x 320	1,545 x 705 x 320
			inch	60.83 x 27.76 x 12.60	60.83 x 27.76 x 12.60
Casing	Material		-	Steel	Steel
Additional Accessories	Drain pump	Max. lifting Height / Displacement		in / gal/h	-
		-		-	-
	Air Filter		-	Long life filter	Long life 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

Floor Standing

Performance Characteristics

Model Code	Net Weight (lbs)	Fan Speed	Nominal Capacity (kBtu/h)			Airflow (CFM)	Sound Pressure (dBA)	Sound Power (dBA)
			Cooling	Sensible	Heating			
VSCD006S6-5P	48.1	High	6.00	4.30	6.70	175	27	42
		Mid	5.10	3.70	6.10	140	24	-
		Low	4.10	2.90	5.50	105	20	-
VSCD009S6-5P	48.1	High	9.50	6.90	10.50	250	29	44
		Mid	8.30	6.00	9.70	195	27	-
		Low	7.00	5.10	8.90	160	25	-
VSCD012S6-5P	48.1	High	12.00	8.80	13.50	350	37	52
		Mid	9.80	7.20	12.10	300	32	-
		Low	7.40	5.40	10.50	210	27	-
VSCD018S6-5P	62.2	High	18.00	13.50	20.00	550	40	58
		Mid	16.50	12.40	19.00	495	36	-
		Low	13.20	9.90	16.80	390	32	-
VSCD024S6-5P	62.2	High	24.00	18.20	27.00	550	42	60
		Mid	21.40	16.20	25.30	495	38	-
		Low	20.80	15.80	24.90	390	34	-
VSED006S6-5P	55.8	High	6.00	4.30	6.70	175	27	42
		Mid	5.10	3.70	6.10	140	24	-
		Low	4.10	2.90	5.50	105	20	-
VSED009S6-5P	55.8	High	9.50	6.90	10.50	250	29	44
		Mid	8.30	6.00	9.70	195	27	-
		Low	7.00	5.10	8.90	160	25	-
VSED012S6-5P	55.8	High	12.00	8.80	13.50	350	37	52
		Mid	9.80	7.20	12.10	300	32	-
		Low	7.40	5.40	10.50	210	27	-
VSED018S6-5P	67.9	High	18.00	13.50	20.00	550	40	58
		Mid	16.50	12.40	19.00	495	36	-
		Low	13.20	9.90	16.80	390	32	-
VSED024S6-5P	67.9	High	24.00	18.20	27.00	550	42	60
		Mid	21.40	16.20	25.30	495	38	-
		Low	20.80	15.80	24.90	390	34	-

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)
VSCD006S6-5P	1,2,208-230,60	35	0.20	1.00	15	0.56
VSCD009S6-5P	1,2,208-230,60	40	0.22	1.00	15	0.56
VSCD012S6-5P	1,2,208-230,60	50	0.24	1.00	15	0.56
VSCD018S6-5P	1,2,208-230,60	110	0.53	1.00	15	0.80
VSCD024S6-5P	1,2,208-230,60	110	0.53	1.00	15	0.80
VSED006S6-5P	1,2,208-230,60	35	0.20	1.00	15	0.56
VSED009S6-5P	1,2,208-230,60	40	0.22	1.00	15	0.56
VSED012S6-5P	1,2,208-230,60	50	0.24	1.00	15	0.56
VSED018S6-5P	1,2,208-230,60	110	0.53	1.00	15	0.80
VSED024S6-5P	1,2,208-230,60	110	0.53	1.00	15	0.80

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

Floor Standing

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor Temperature (°F, DB)	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
		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
VSCD006S6-5P	95.0	4100	3200	4900	3800	5700	4300	6000	4300	6300	4300	6500	4300	7100	4000
VSCD009S6-5P	95.0	6400	5500	7800	6200	8800	6600	9500	6900	9800	6900	10500	6900	11200	6600
VSCD012S6-5P	95.0	8300	6800	9700	7800	11300	8500	12000	8800	12300	8800	13300	8800	14000	8100
VSCD018S6-5P	95.0	12500	10500	14800	12100	17000	12800	18000	13500	18600	13500	19900	13500	21200	12800
VSCD024S6-5P	95.0	16600	14500	19600	16900	22600	17500	24000	18200	25000	18900	26700	18900	28400	17900
VSED006S6-5P	95.0	4100	3200	4900	3800	5700	4300	6000	4300	6300	4300	6500	4300	7100	4000
VSED009S6-5P	95.0	6400	5500	7800	6200	8800	6600	9500	6900	9800	6900	10500	6900	11200	6600
VSED012S6-5P	95.0	8300	6800	9700	7800	11300	8500	12000	8800	12300	8800	13300	8800	14000	8100
VSED018S6-5P	95.0	12500	10500	14800	12100	17000	12800	18000	13500	18600	13500	19900	13500	21200	12800
VSED024S6-5P	95.0	16600	14500	19600	16900	22600	17500	24000	18200	25000	18900	26700	18900	28400	17900

Heating

TC : Total Capacity

Model	Outdoor Temperature		Indoor Temperature (°F, DB)				
			61.0	65.0	70.0	72.0	75.0
	DB	WB	TC	TC	TC	TC	TC
	°F	°F	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
VSCD006S6-5P	47.0	43.0	7500	7240	6700	6160	5900
VSCD009S6-5P	47.0	43.0	10830	10500	10500	9840	8860
VSCD012S6-5P	47.0	43.0	13840	13840	13500	12490	11480
VSCD018S6-5P	47.0	43.0	20630	20320	20000	18410	16820
VSCD024S6-5P	47.0	43.0	27670	27340	27000	24980	22950
VSED006S6-5P	47.0	43.0	7500	7240	6700	6160	5900
VSED009S6-5P	47.0	43.0	10830	10500	10500	9840	8860
VSED012S6-5P	47.0	43.0	13840	13840	13500	12490	11480
VSED018S6-5P	47.0	43.0	20630	20320	20000	18410	16820
VSED024S6-5P	47.0	43.0	27670	27340	27000	24980	22950

NOTE

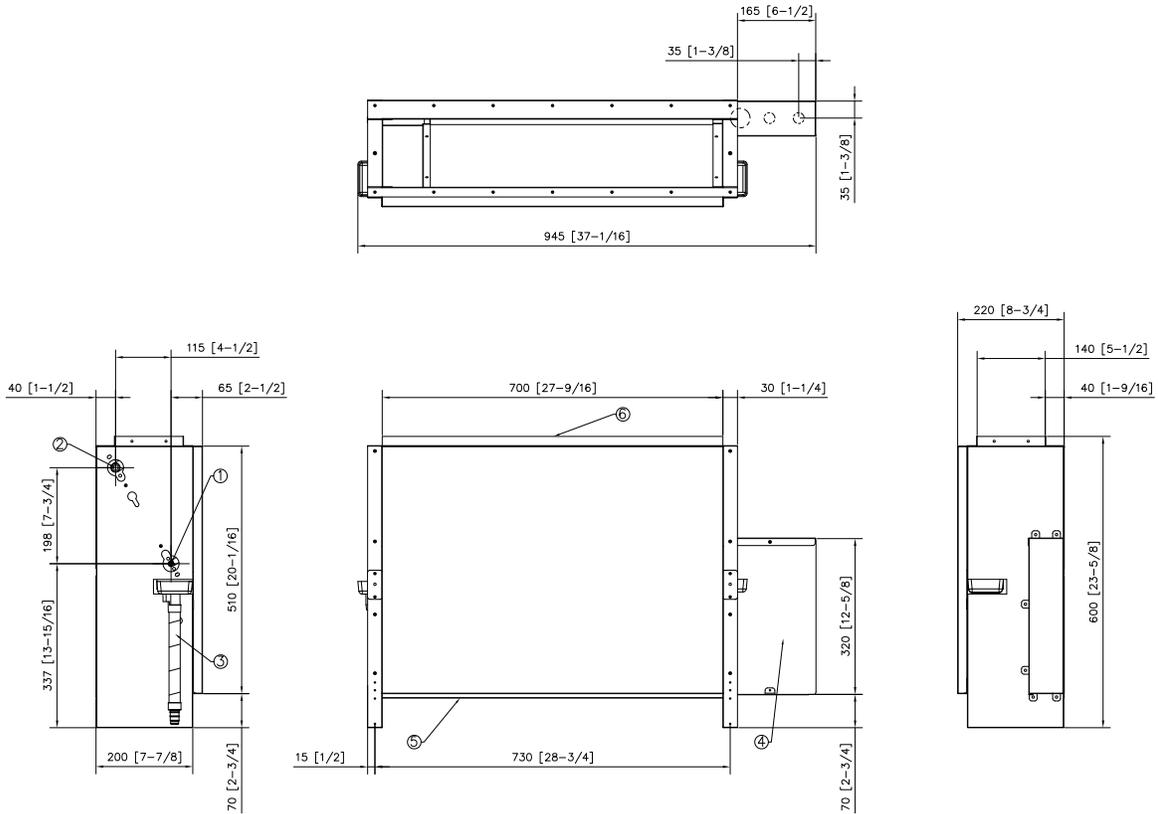
- The performance table shows the average value of each conditions.

Dimensional Drawing

Floor Standing

VSCD006S6-5P, VSCD009S6-5P, VSCD012S6-5P

Unit : mm [inch]



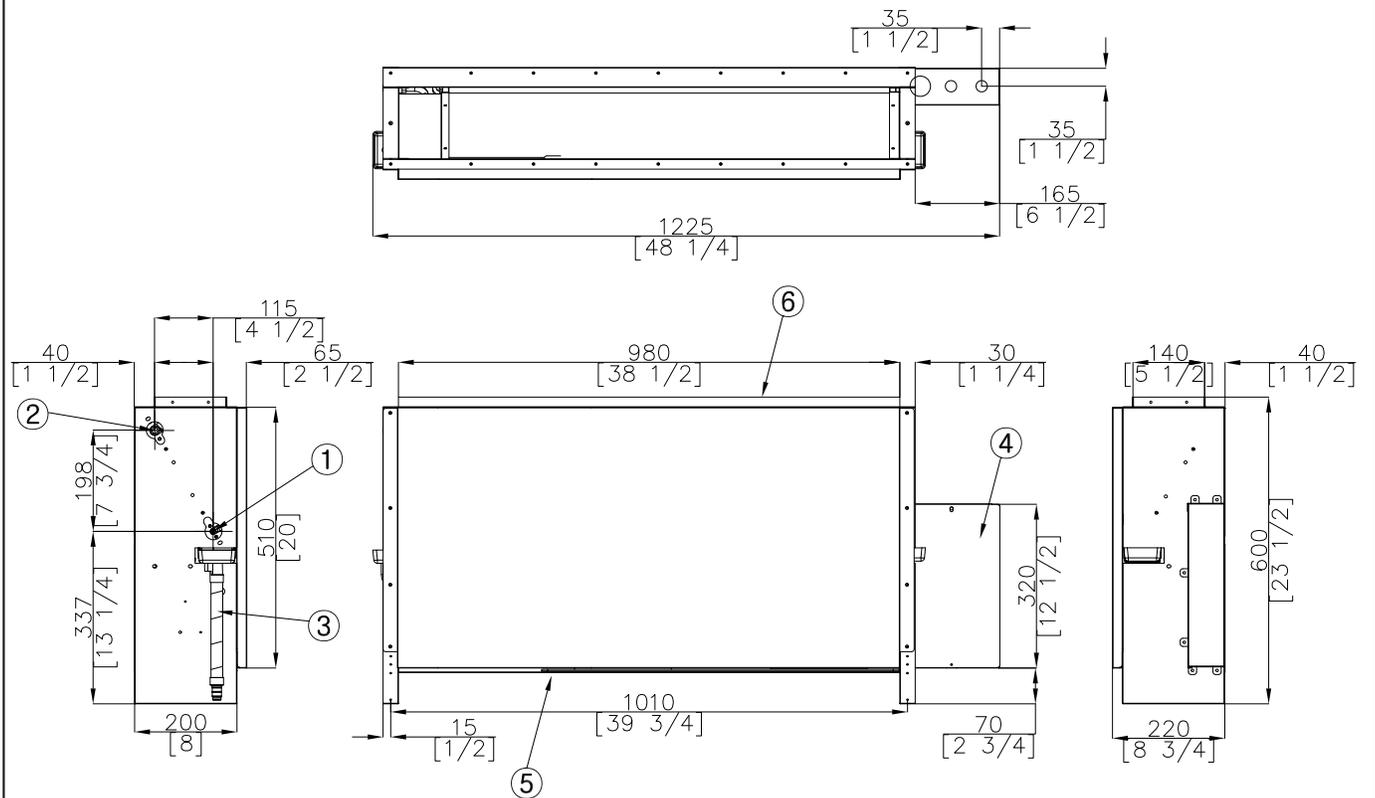
No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP25 (OD 32, ID 25)
4	Power wiring	
5	Air intake	
6	Air outlet	

Dimensional Drawing

Floor Standing

VSCD018S6-5P, VSCD024S6-5P

Unit : mm [inch]



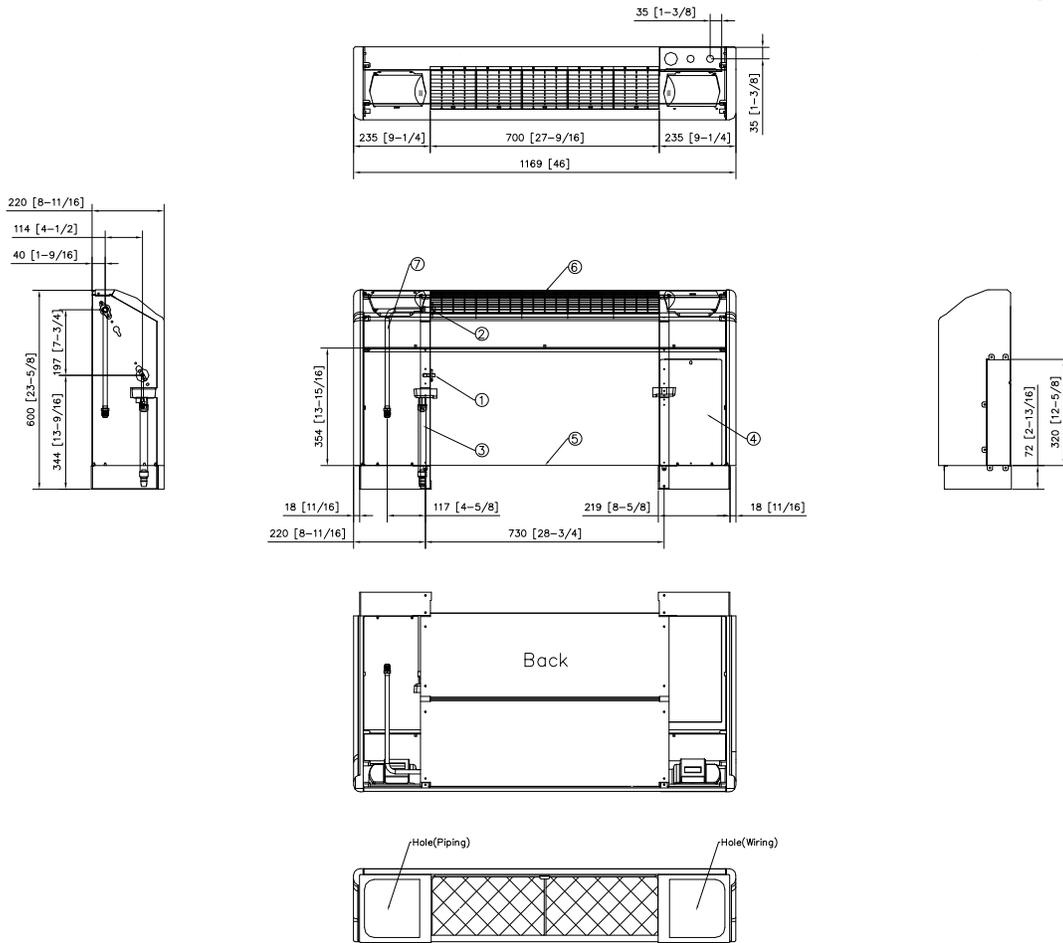
No.	Name	Description	
		VSCD018S6-5P	VSCD024S6-5P
1	Liquid pipe connection	Φ6.35(1/4)	Φ9.52 (3/8)
2	Gas pipe connection	Φ12.7(1/2)	Φ15.88 (5/8)
3	Drain pipe connection	VP25 (OD 32, ID 25)	
4	Power wiring		
5	Air intake		
6	Air outlet		

Dimensional Drawing

Floor Standing

VSED006S6-5P, VSED009S6-5P, VSED012S6-5P

Unit : mm [inch]

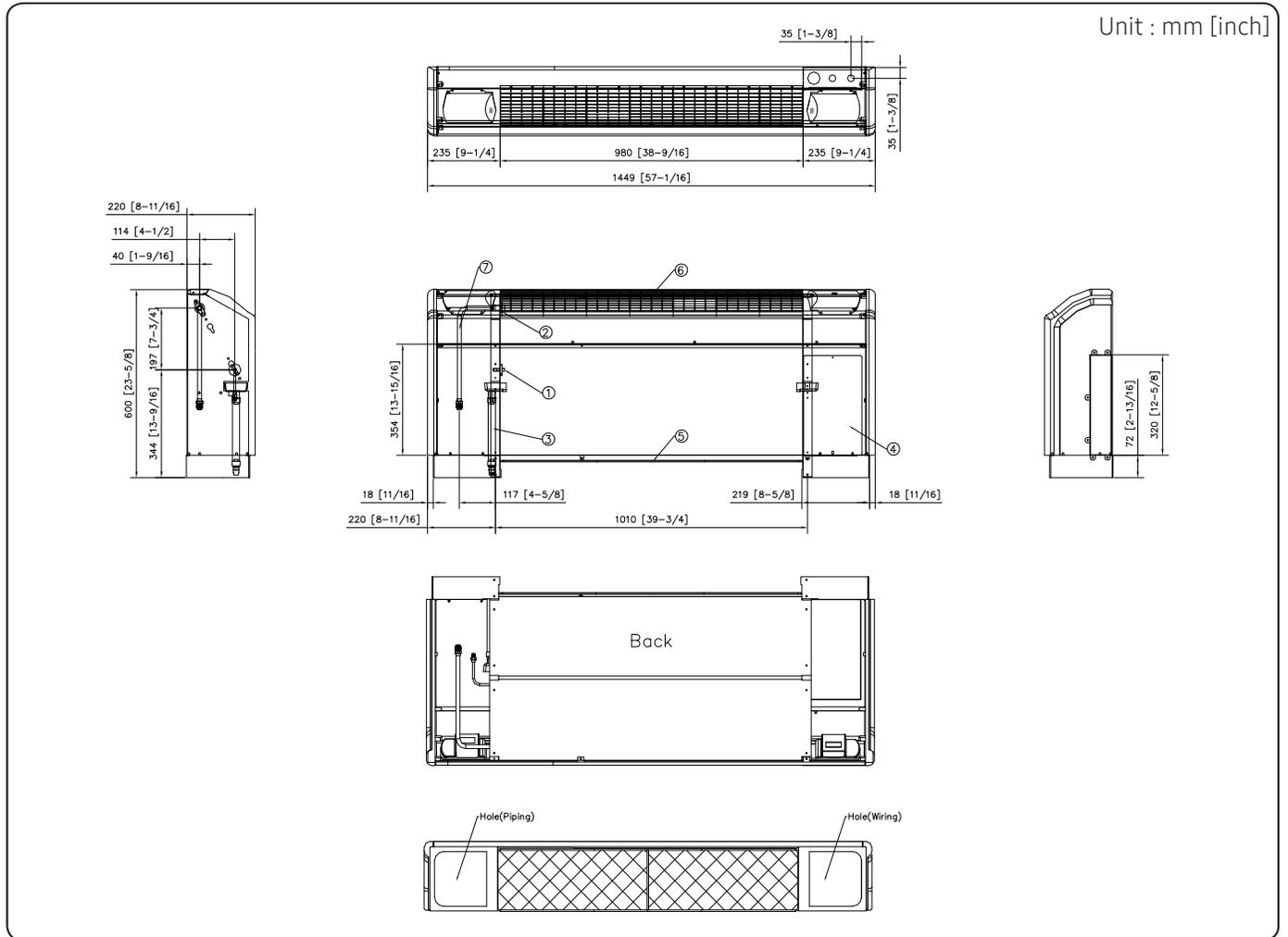


No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP25 (OD 32, ID 25)
4	Power wiring	
5	Air intake	
6	Air outlet	
7	Extension pipe	

Dimensional Drawing

Floor Standing

VSED018S6-5P, VSED024S6-5P

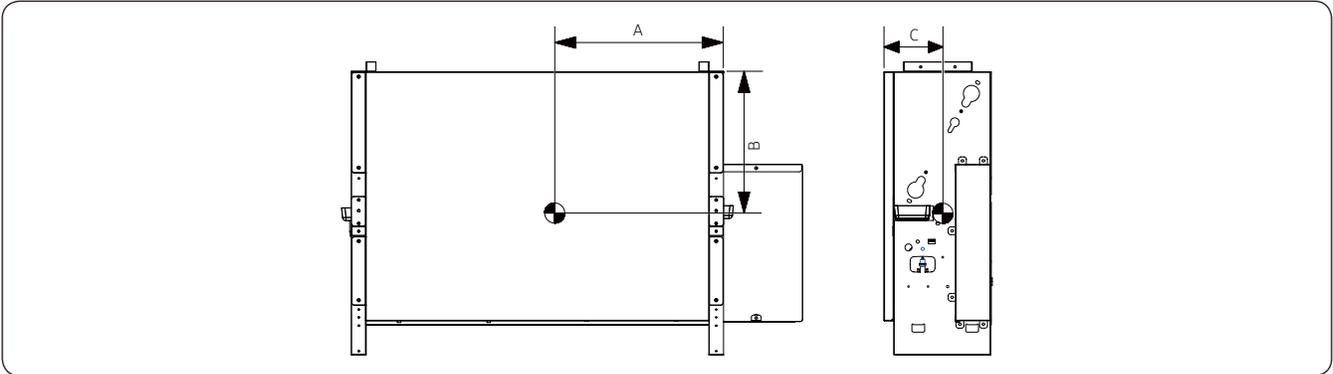


No.	Name	Description	
		VSED018S6-5P	VSED024S6-5P
1	Liquid pipe connection	Φ6.35(1/4)	Φ9.52 (3/8)
2	Gas pipe connection	Φ12.7(1/2)	Φ15.88 (5/8)
3	Drain pipe connection	VP25 (OD 32, ID 25)	
4	Power wiring		
5	Air intake		
6	Air outlet		
7	Extension pipe		

Center of Gravity

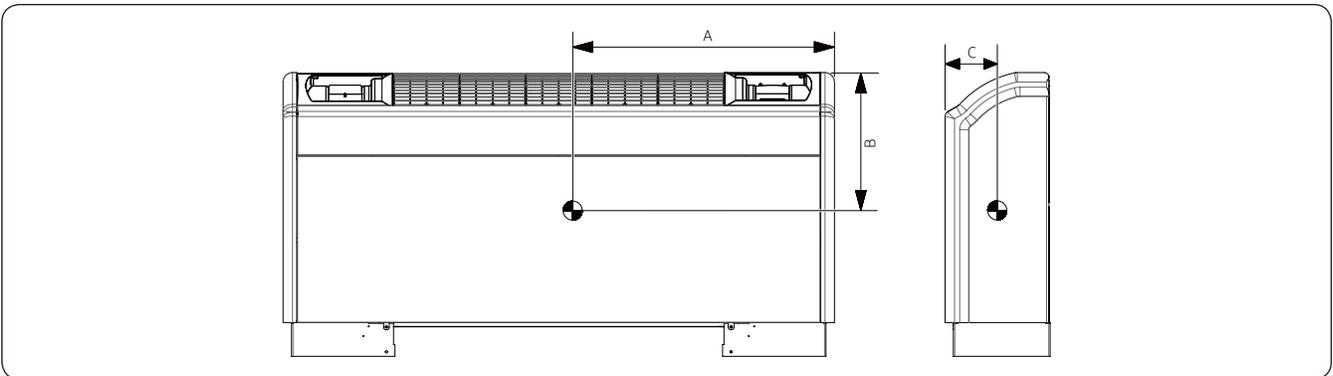
Floor Standing

Unit : mm [inch]



Model	A	B	C
VSCD006S6-5P	554 [21-13/16]	289 [11-3/8]	111 [4-3/8]
VSCD009S6-5P	554 [21-13/16]	289 [11-3/8]	111 [4-3/8]
VSCD012S6-5P	554 [21-13/16]	289 [11-3/8]	111 [4-3/8]
VSCD018S6-5P	695 [27-11/32]	289 [11-3/8]	111 [4-3/8]
VSCD024S6-5P	695 [27-11/32]	289 [11-3/8]	111 [4-3/8]

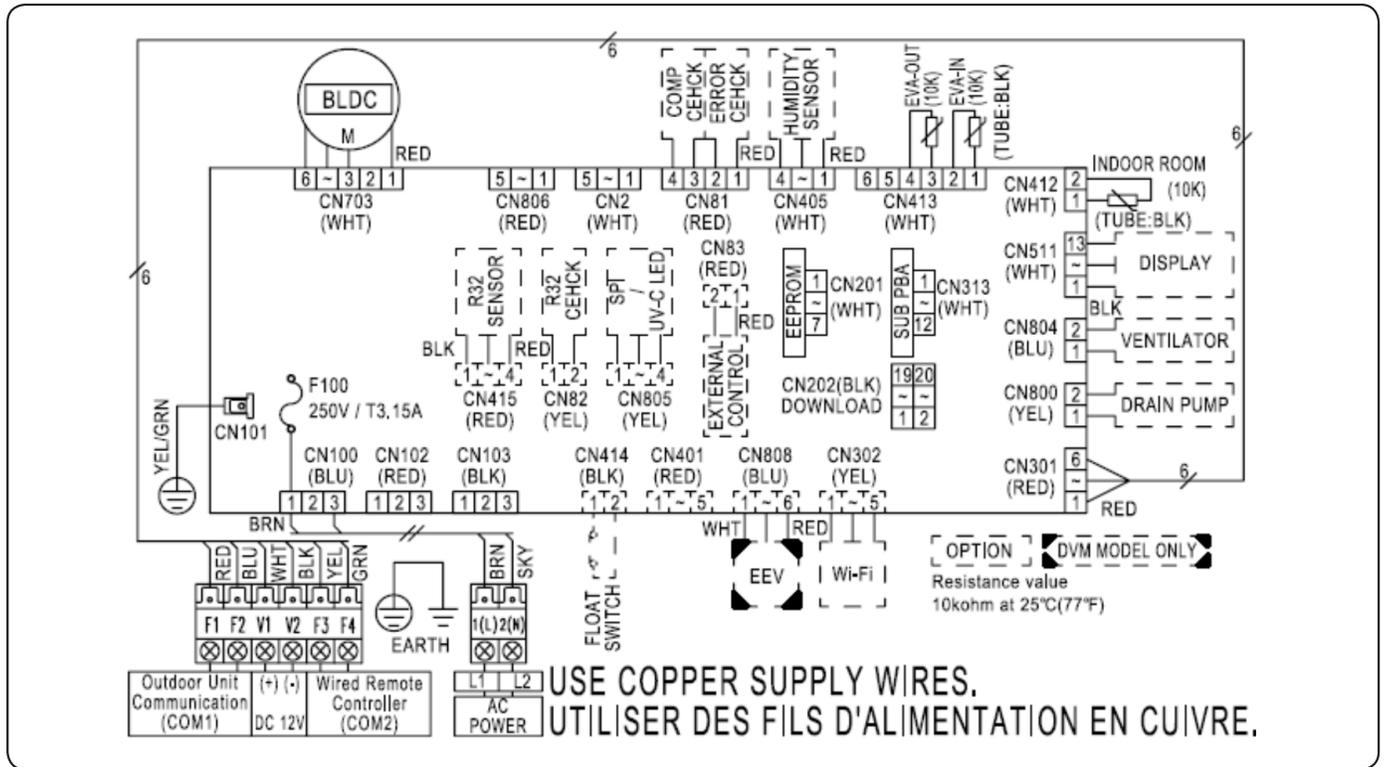
Unit : mm [inch]



Model	A	B	C
VSED006S6-5P	343 [13-1/2]	305 [12]	115 [4-17/32]
VSED009S6-5P	343 [13-1/2]	305 [12]	115 [4-17/32]
VSED012S6-5P	343 [13-1/2]	305 [12]	115 [4-17/32]
VSED018S6-5P	483 [19]	305 [12]	115 [4-17/32]
VSED024S6-5P	483 [19]	305 [12]	115 [4-17/32]

Electrical Wiring Diagram

Floor Standing



EEV	Electronic Expansion Valve	EVA-OUT(10K)	Thermistor - IDU heat exchanger Out
F100	Fuse	EEPROM	EEPROM SUB PBA
M-BLDC	Motor for Indoor Fan	COMP CHECK	Contact output port for compressor operation check
DISPLAY	DISPLAY SUB PBA	R32 SENSOR	R32 Gas sensor
ERROR CHECK	Contact output port for error check	R32 CHECK	Contact output port for R32 Gas check
SUB PBA	SUB PBA for wired remote control communication	EXTERNAL CONTROL	Input port for external contact control
INDOOR ROOM(10K)	Thermistor - Indoor Room	SPI/UV-C LED	S-Plasma ion / UV-C LED
EVA-IN(10K)	Thermistor - IDU heat exchanger In	VENTILATOR	Contact output port for Ventilator 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: sky blue, GRN: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- Protective earth(screw), : connector, : The wire quantity

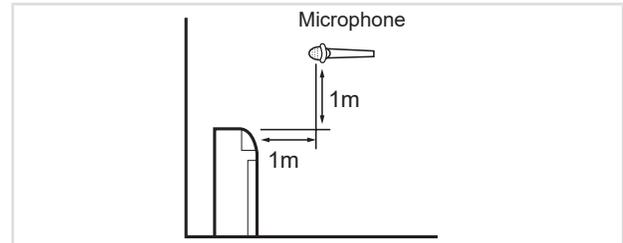
Sound Data

Floor Standing

Sound Pressure Level

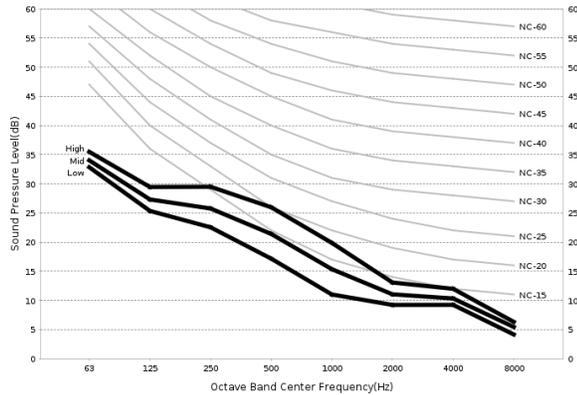
Unit : dB(A)

Model	High	Mid	Low
VSCD006S6-5P	27	24	20
VSCD009S6-5P	29	27	25
VSCD012S6-5P	37	32	27
VSCD018S6-5P	40	36	32

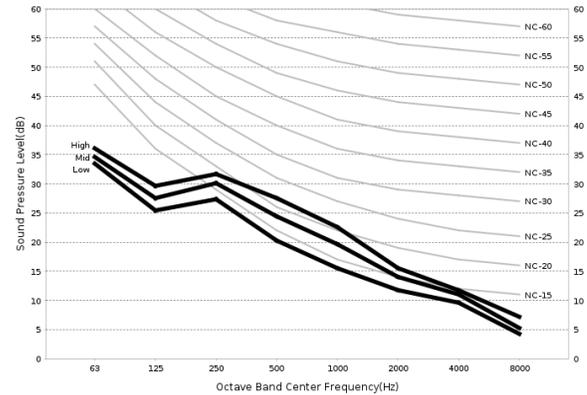


• NC CURVE

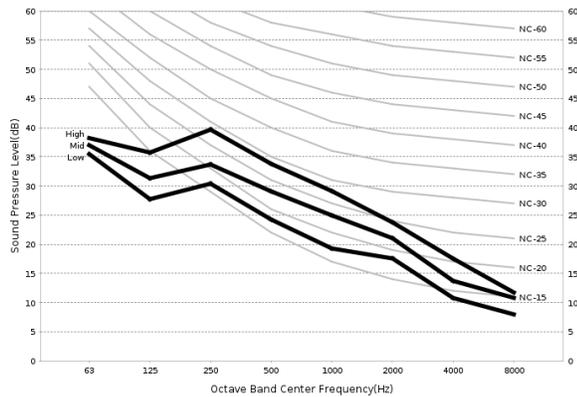
(1) VSCD006S6-5P



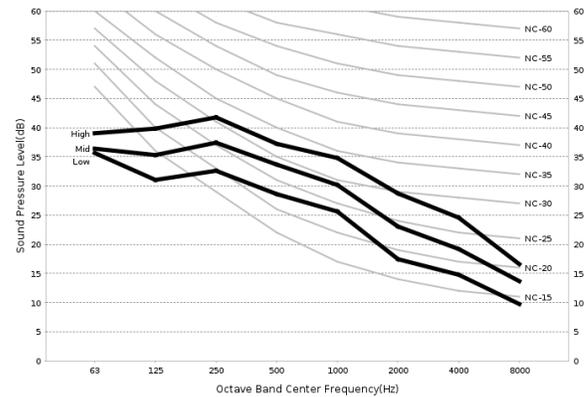
(2) VSCD009S6-5P



(3) VSCD012S6-5P



(4) VSCD018S6-5P



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

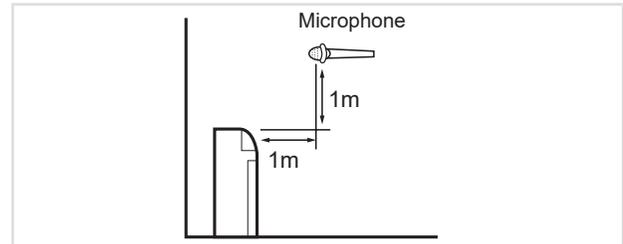
Sound Data

Floor Standing

Sound Pressure Level

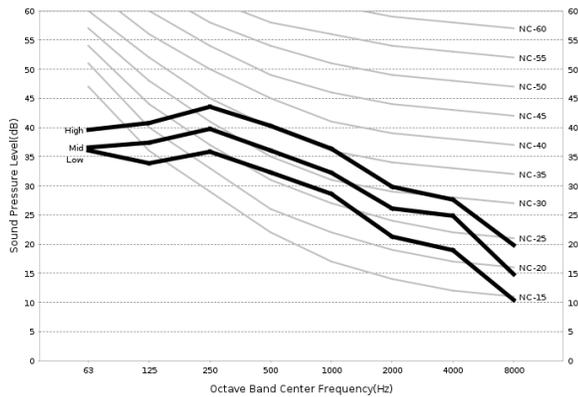
Unit : dB(A)

Model	High	Mid	Low
VSCD024S6-5P	42	38	34
VSED006S6-5P	27	24	20
VSED009S6-5P	29	27	25
VSED012S6-5P	37	32	27

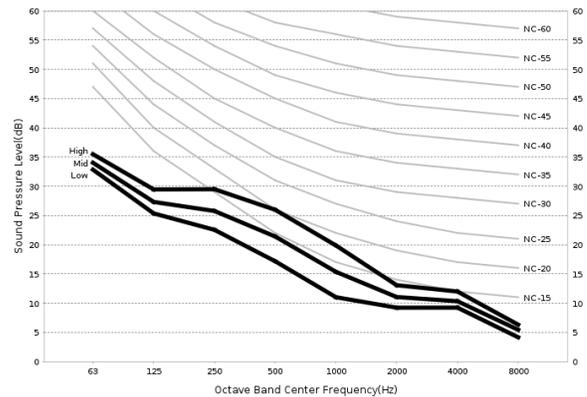


• NC CURVE

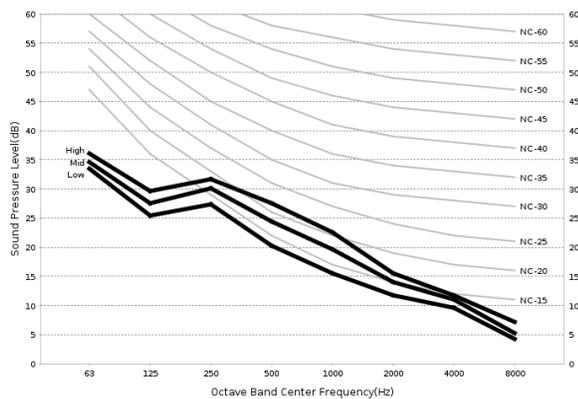
(1) VSCD024S6-5P



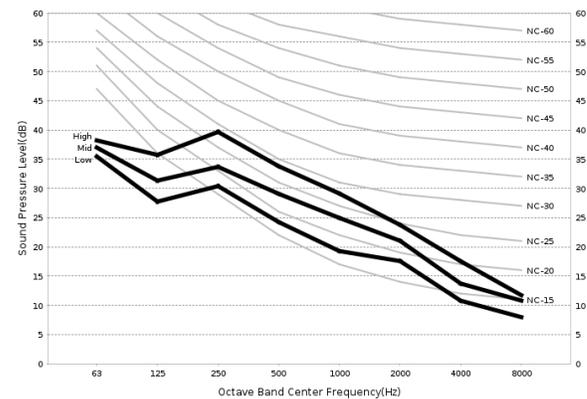
(2) VSED006S6-5P



(3) VSED009S6-5P



(4) VSED012S6-5P



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- Reference acoustic pressure 0 dB = 20μPa

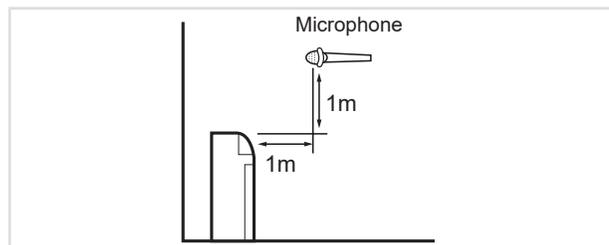
Sound Data

Floor Standing

Sound Pressure Level

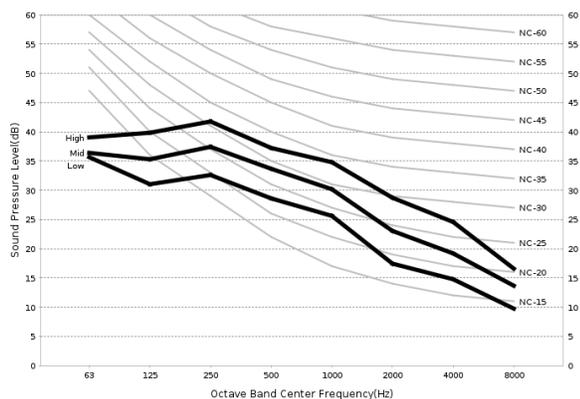
Unit : dB(A)

Model	High	Mid	Low
VSED018S6-5P	40	36	32
VSED024S6-5P	42	38	34

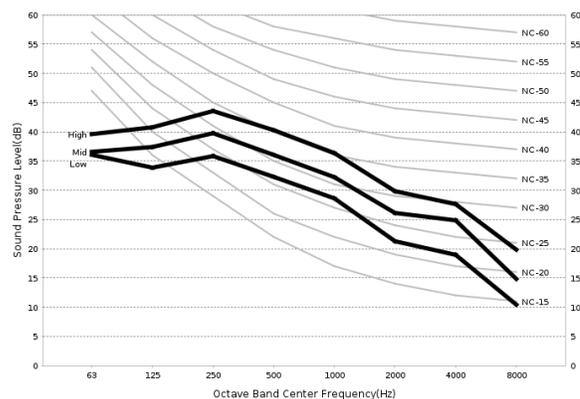


• NC CURVE

(1) VSED018S6-5P



(2) VSED024S6-5P



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- Sound pressure level may differ depending on operation condition.
- dBA = A - weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

Sound Data

Floor Standing

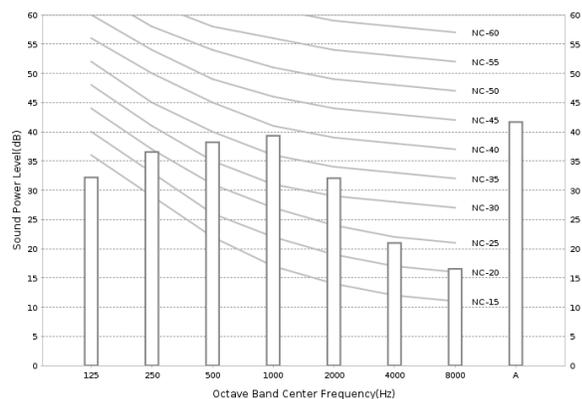
Sound Power Level

Unit : dB(A)

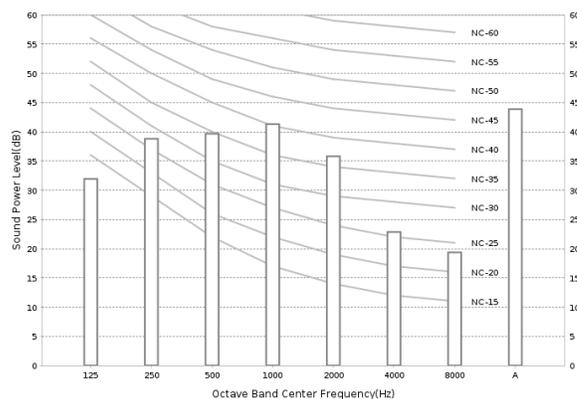
Model	Cooling
VSCD006S6-5P	42
VSCD009S6-5P	44
VSCD012S6-5P	52
VSCD018S6-5P	58

• NC CURVE

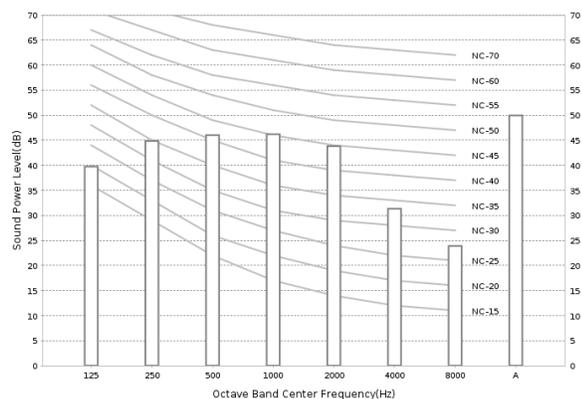
(1) VSCD006S6-5P



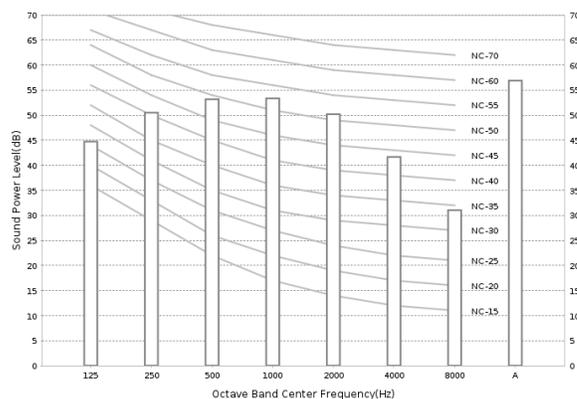
(2) VSCD009S6-5P



(3) VSCD012S6-5P



(4) VSCD018S6-5P



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- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

Sound Data

Floor Standing

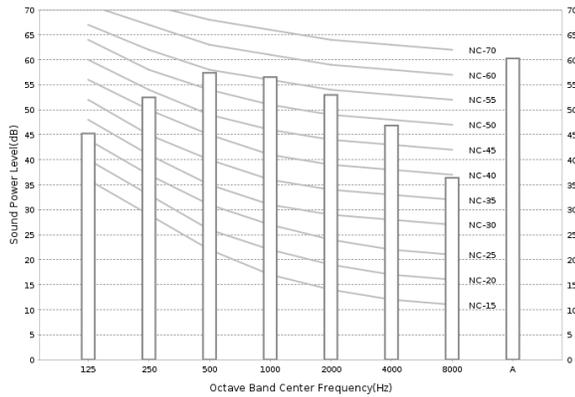
Sound Power Level

Unit : dB(A)

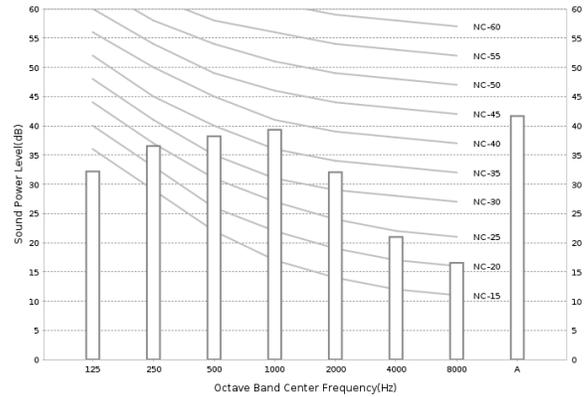
Model	Cooling
VSCD024S6-5P	61
VSED006S6-5P	42
VSED009S6-5P	44
VSED012S6-5P	52

• NC CURVE

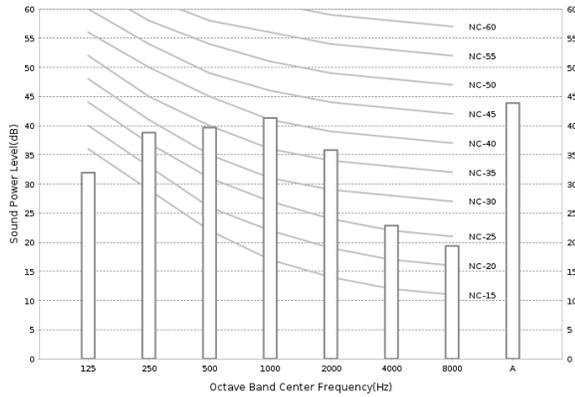
(1) VSCD024S6-5P



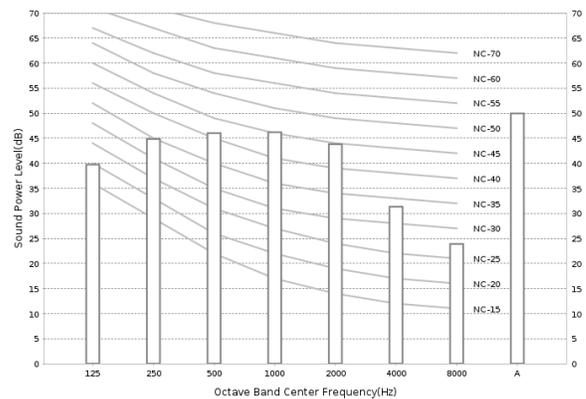
(2) VSED006S6-5P



(3) VSED009S6-5P



(4) VSED012S6-5P



NOTE

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- Sound pressure level may differ depending on operation condition.
- dBA = A - weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

Sound Data

Floor Standing

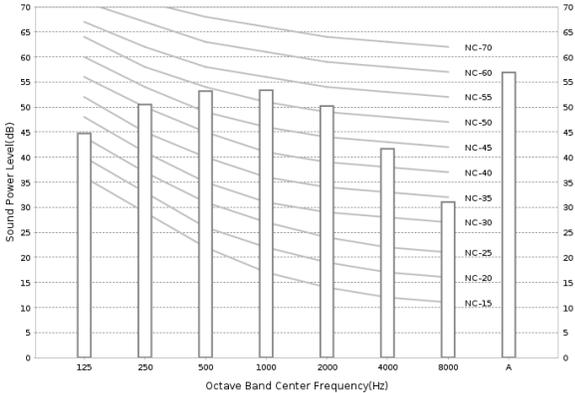
Sound Power Level

Unit : dB(A)

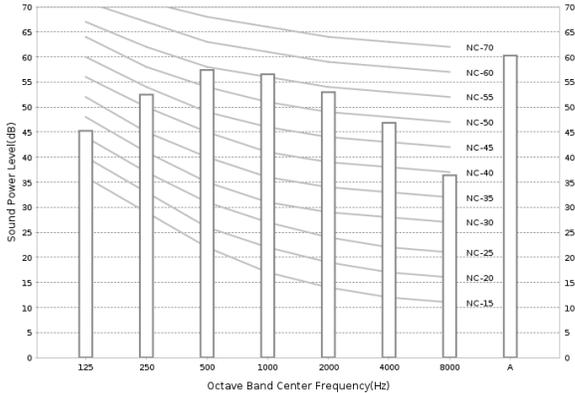
Model	Cooling
VSED018S6-5P	58
VSED024S6-5P	61

• **NC CURVE**

(1) AM018HEGDCCG



(2) AM024HEGDCCG



NOTE

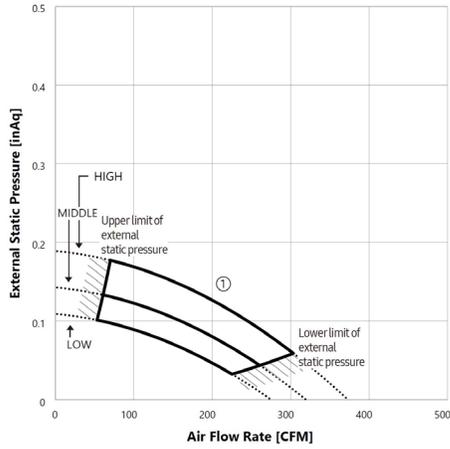
- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A - weighted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

Fan Characteristics

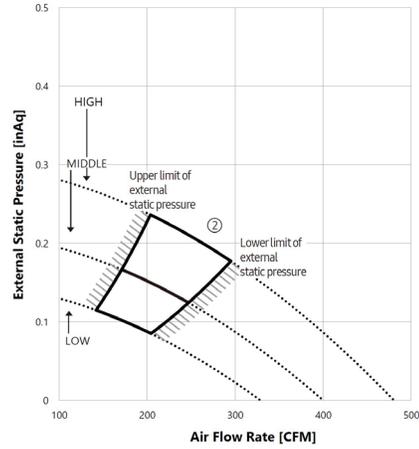
Floor Standing

VSCD006S6-5P

1	External Static Pressure(in Wg)	Option Code
	0.1	01A054-1C591D-201212-330010

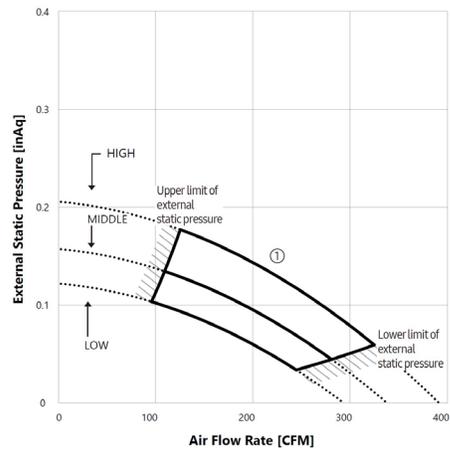


2	External Static Pressure(in Wg)	Option Code
	0.2	01A054-1C5AEB-201212-330010

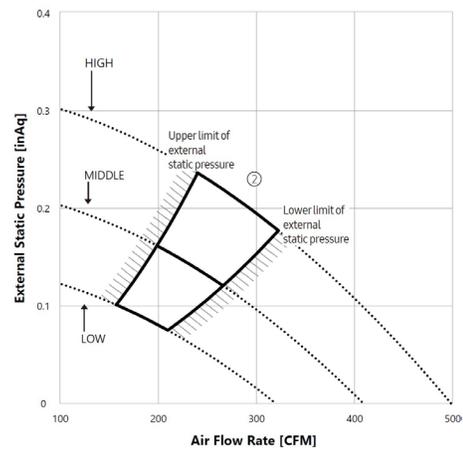


VSCD009S6-5P

1	External Static Pressure(in Wg)	Option Code
	0.1	01A054-1C592F-201C1C-330010



2	External Static Pressure(in Wg)	Option Code
	0.2	01A054-1C5AFC-201C1C-330010

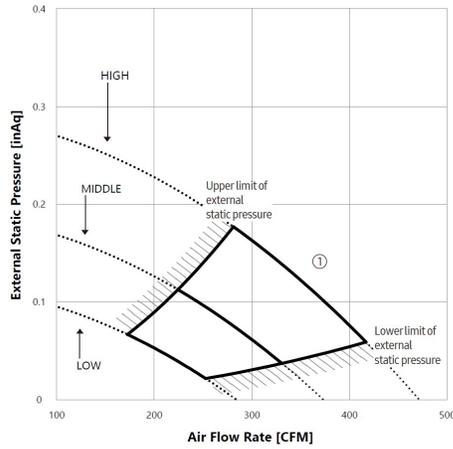


Fan Characteristics

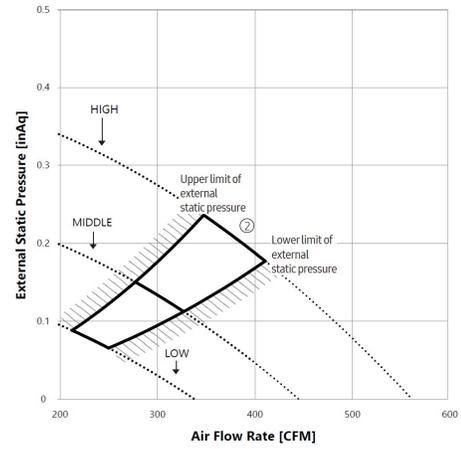
Floor Standing

VSCD012S6-5P

1	External Static Pressure(in Wg)	Option Code
	0.1	01A054-1C5A92-202323-330010

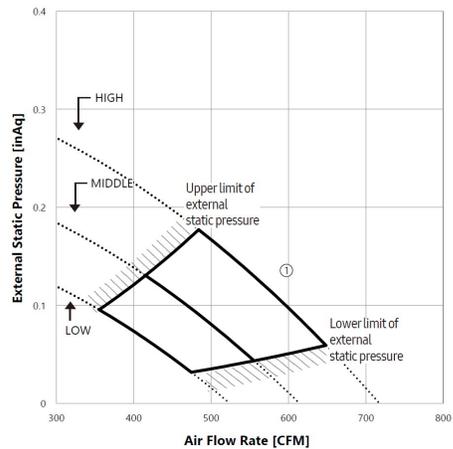


2	External Static Pressure(in Wg)	Option Code
	0.2	01A054-1C5E4E-202323-330010

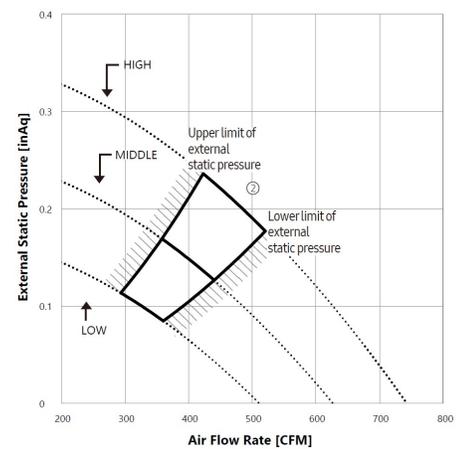


VSCD018S6-5P

1	External Static Pressure(in Wg)	Option Code
	0.1	01A054-1C5AB0-203434-330010



2	External Static Pressure(in Wg)	Option Code
	0.2	01A054-1C5AFA-203434-330010



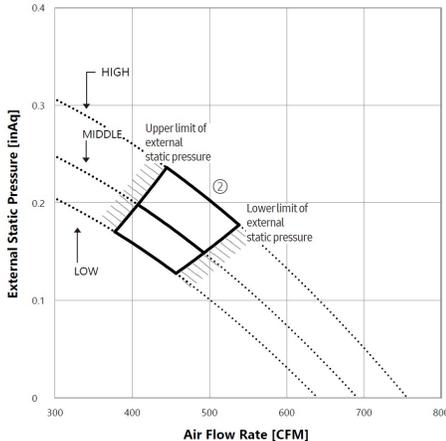
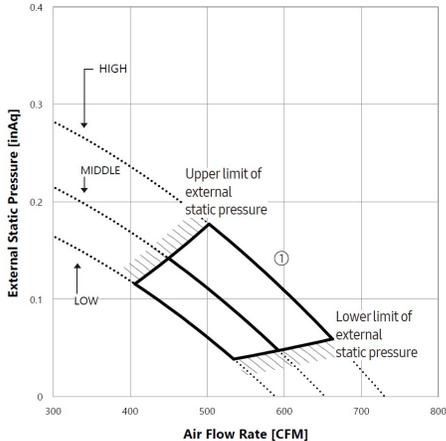
Fan Characteristics

Floor Standing

VSCD024S6-5P

1	External Static Pressure(in Wg)	Option Code
	0.1	01A054-1C5AD5-204848-330010

2	External Static Pressure(in Wg)	Option Code
	0.2	01A054-1C5E0C-204848-330010

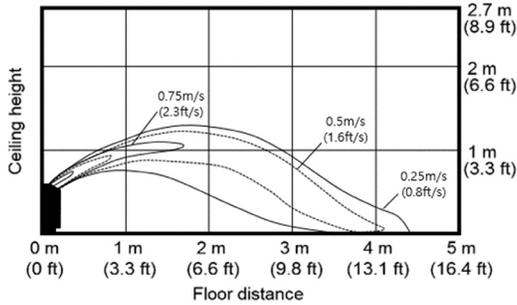


Temperature and air flow distribution

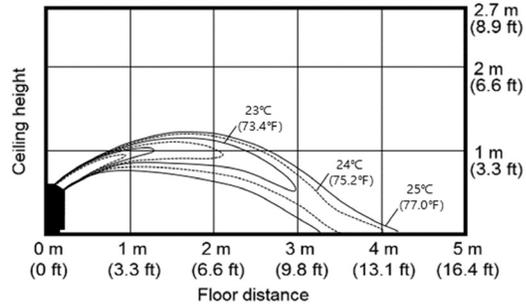
Floor Standing

VSED006S6-5P

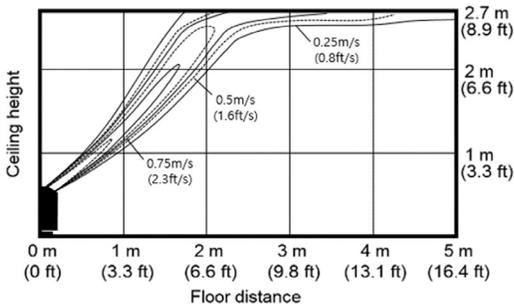
- Cooling Air Velocity distribution (Discharge angle : 35 degree)



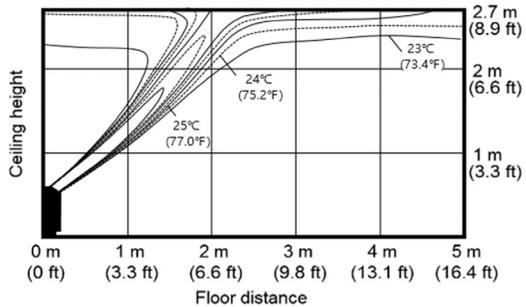
- Cooling temperature distribution (Discharge angle : 35 degree)



- Heating Air Velocity distribution (Discharge angle : 35 degree)

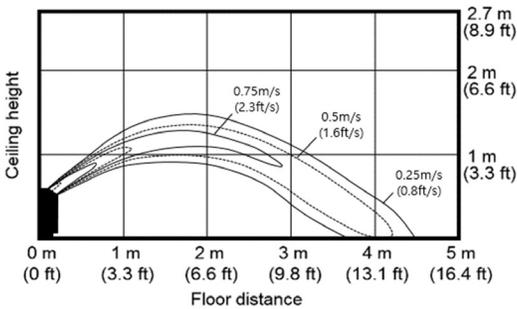


- Heating temperature distribution (Discharge angle : 35 degree)

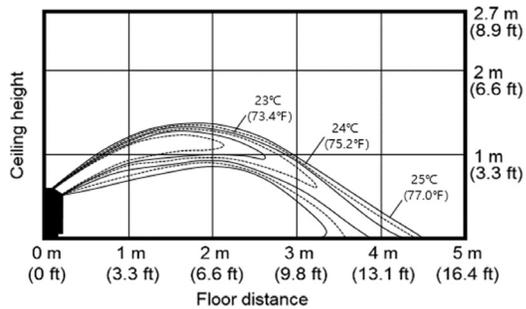


VSED009S6-5P

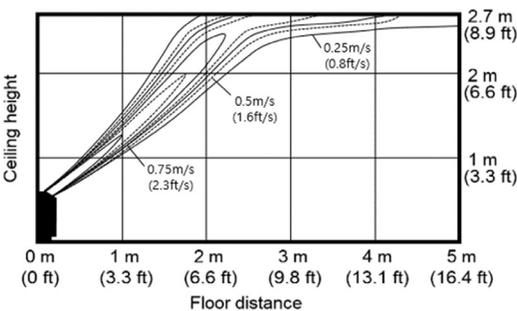
- Cooling Air Velocity distribution (Discharge angle : 35 degree)



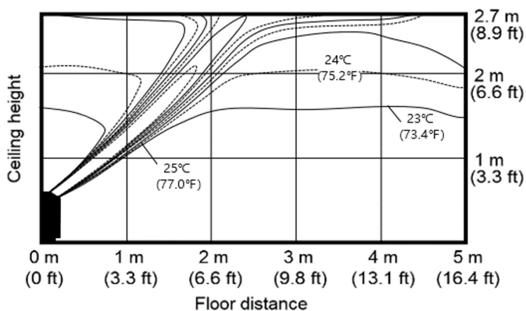
- Cooling temperature distribution (Discharge angle : 35 degree)



- Heating Air Velocity distribution (Discharge angle : 35 degree)



- Heating temperature distribution (Discharge angle : 35 degree)

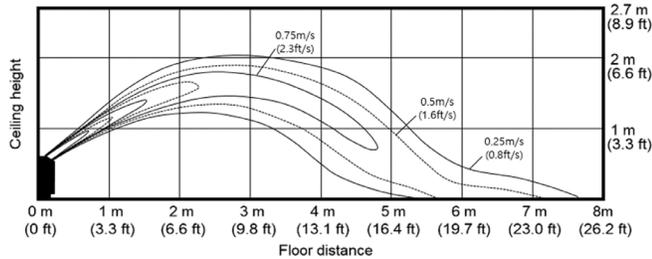


Temperature and air flow distribution

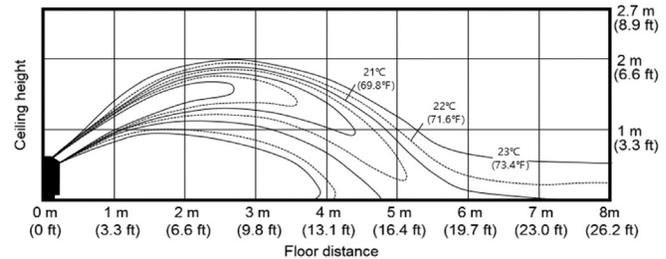
Floor Standing

VSED012S6-5P

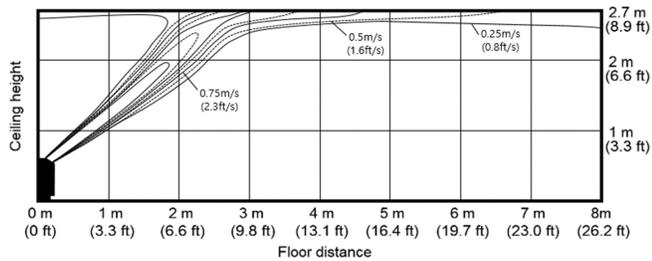
- Cooling Air Velocity distribution (Discharge angle : 35 degree)



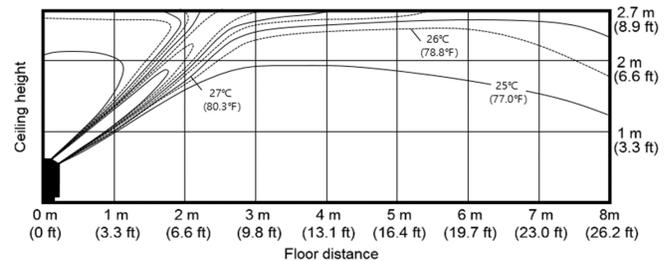
- Cooling temperature distribution (Discharge angle : 35 degree)



- Heating Air Velocity distribution (Discharge angle : 35 degree)

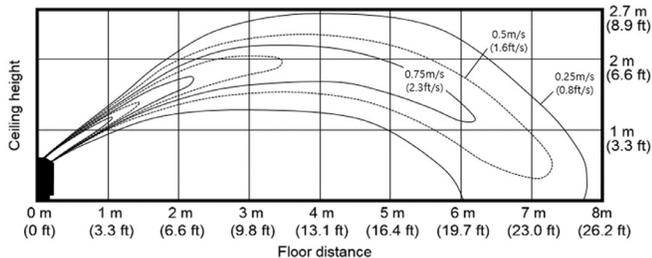


- Heating temperature distribution (Discharge angle : 35 degree)

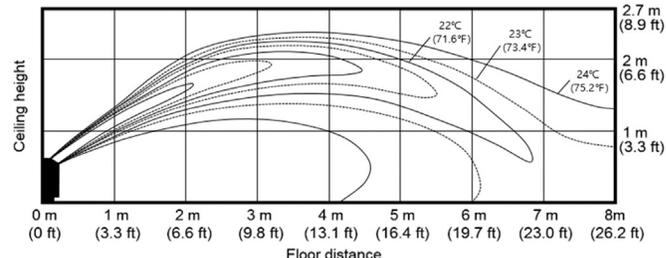


VSED018S6-5P

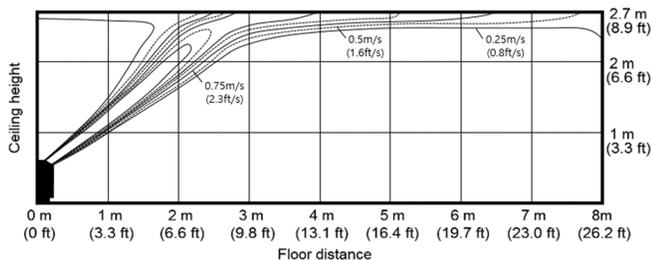
- Cooling Air Velocity distribution (Discharge angle : 35 degree)



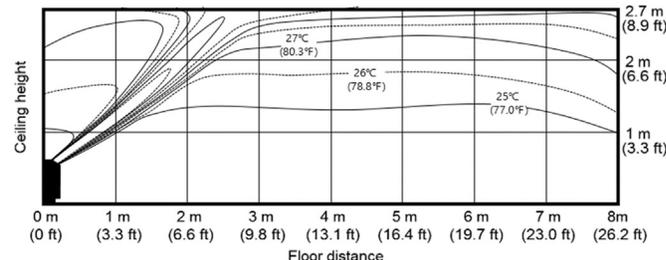
- Cooling temperature distribution (Discharge angle : 35 degree)



- Heating Air Velocity distribution (Discharge angle : 35 degree)



- Heating temperature distribution (Discharge angle : 35 degree)

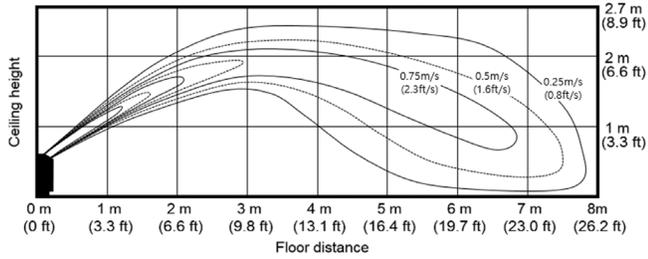


Temperature and air flow distribution

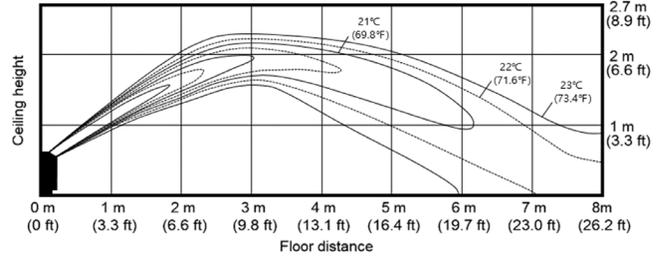
Floor Standing

VSED024S6-5P

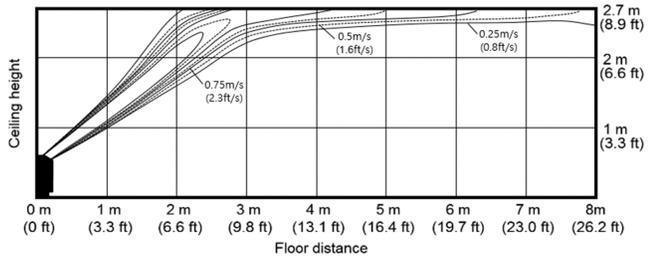
- Cooling Air Velocity distribution
(Discharge angle : 35 degree)



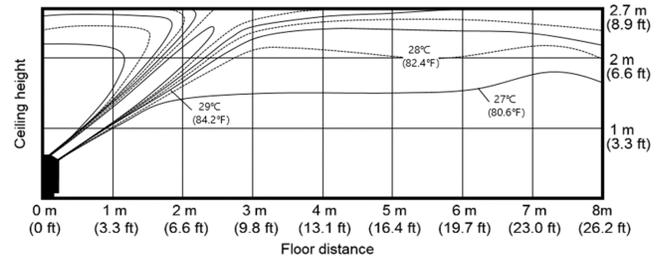
- Cooling temperature distribution
(Discharge angle : 35 degree)



- Heating Air Velocity distribution
(Discharge angle : 35 degree)



- Heating temperature distribution
(Discharge angle : 35 degree)

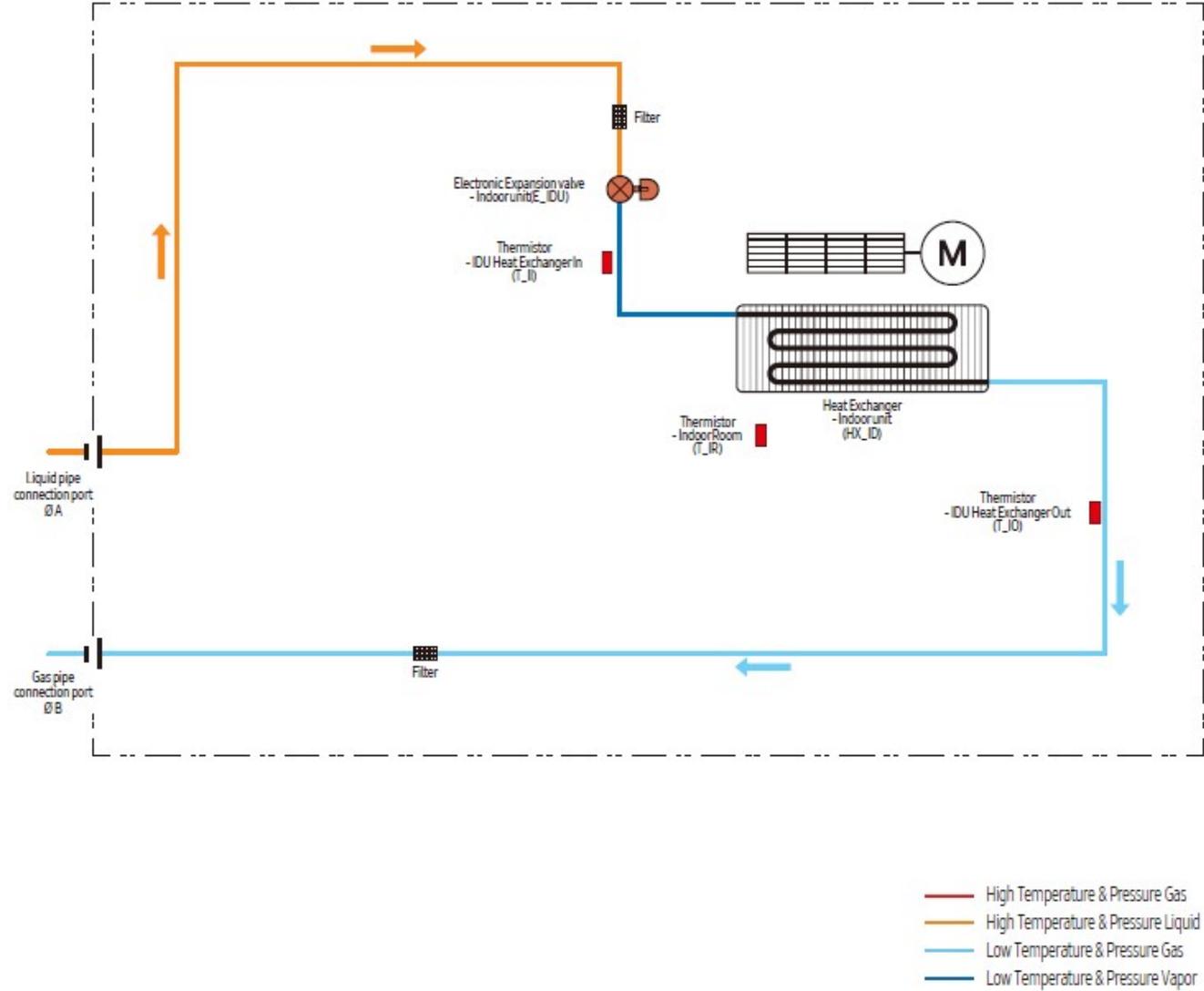


Piping Diagram

Floor Standing

Cooling

VSCD006S6-5P, VSED006S6-5P, VSCD009S6-5P, VSED009S6-5P, VSCD012S6-5P, VSED012S6-5P, VSCD018S6-5P, VSED018S6-5P, VSCD024S6-5P, VSED024S6-5P

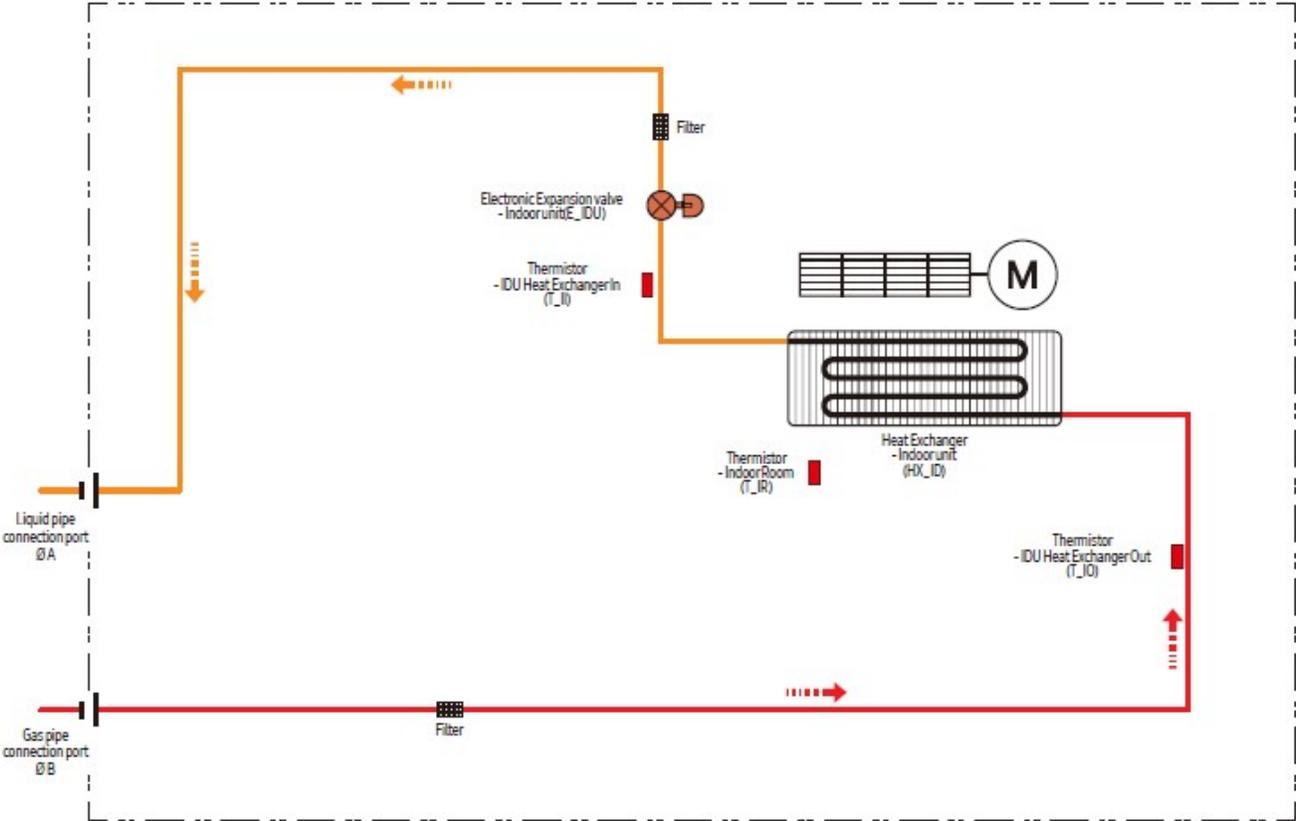


Piping Diagram

Floor Standing

Heating

VSCD006S6-5P, VSED006S6-5P, VSCD009S6-5P, VSED009S6-5P, VSCD012S6-5P, VSED012S6-5P, VSCD018S6-5P, VSED018S6-5P, VSCD024S6-5P, VSED024S6-5P



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



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