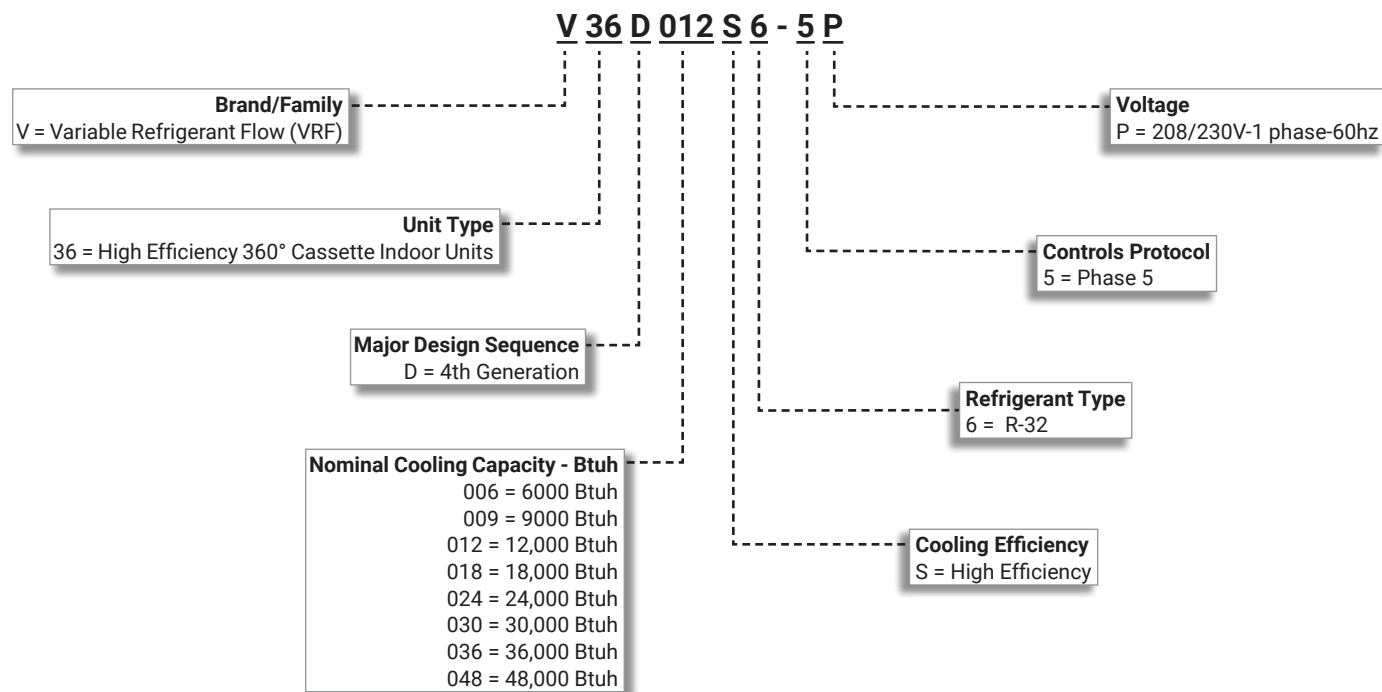


V36DHigh-Efficiency 360° Cassette Indoor Units | **R-32** | 60Hz

6,000 to 48,000 Btuh

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

CONTENTS

Center Of Gravity 19

Dimensions 11

Electrical Wiring 20

Heating/Cooling Capacity Tables 10

Installation Clearances 30

Model Number Identification. 1

Performance Characteristics/Electrical Data 9

Piping Diagram 29

Sound Power Levels 23

Sound Pressure Levels 21

Specifications 3

Temperature And Air Flow Distribution 25

Specification

V36D

Model Name				V36D009S6-5P	V36D012S6-5P
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	9,000	12,000
			US RT	0.75	1.00
		Heating	Btu/h	10,000	13,500
			US RT	0.83	1.12
Power	Power Input	Cooling	W	26	26
		Heating	W	26	26
	Current Input	Cooling	A	0.18	0.18
		Heating	A	0.18	0.18
	Current	MCA	A	0.40	0.40
		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		-	Turbo	Turbo
	Quantity		EA	1	1
	Air Flow Rate	High / Med / Low	CMM	16.0 / 15.0 / 14.0	16.0 / 15.0 / 14.0
			CFM	565 / 530 / 494	565 / 530 / 494
			l/s	267 / 250 / 233	267 / 250 / 233
Fan Motor	Type		-	BLDC	BLDC
	Output		W × n	65 × 1	65 × 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	12.70 (1/2)	12.70 (1/2)
	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.	mm²	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)	33 / 31 / 29	33 / 31 / 29
	Sound Power Level	Cooling	dB(A)	51	51
Dimensions	Net Weight		kg	20.2	20.2
			lbs	44.5	44.5
	Shipping Weight		kg	25.0	25.0
			lbs	55.1	55.1
	Net Dimensions (W×H×D)		mm	947 x 281 x 947	947 x 281 x 947
			inch	37.28 x 11.06 x 37.28	37.28 x 11.06 x 37.28
	Shipping Dimensions (W×H×D)		mm	990 x 330 x 990	990 x 330 x 990
			inch	38.98 x 12.99 x 38.98	38.98 x 12.99 x 38.98
Casing	Material		-	HIPS	HIPS
Panel (1)	Model Name		-	V1V36D01CPWW	V1V36D01CPWW
	Type		-	Square	Square
	Material		-	HIPS	HIPS
	Color		-	White	White
	Net Weight		kg	4.0	4.0
			lbs	8.82	8.82
	Shipping Weight		kg	6.2	6.2
			lbs	13.67	13.67
	Net Dimensions (WxHxD)		mm	1,000 x 74 x 1,000	1,000 x 74 x 1,000
			inch	39.37 x 2.9 x 39.37	39.37 x 2.9 x 39.37
	Shipping Dimensions (W×H×D)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083
			inch	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64

Specification

V36D

Model Name				V36D009S6-5P	V36D012S6-5P
Panel (2)	Model Name			V1V36D02CPWW	V1V36D02CPWW
	Type			Circle	Circle
	Material			HIPS	HIPS
	Color			White	White
	Net Weight	kg		3.0	3.0
		lbs		6.62	6.62
	Shipping Weight	kg		5.2	5.2
		lbs		11.47	11.47
	Net Dimensions (WxHxD)	mm		1,050 x 106 x 1,050	1,050 x 106 x 1,050
		inch		41.34 x 4.17 x 41.34	41.34 x 4.17 x 41.34
Additional Accessories	Drain pump	-		Included	Included
		Max. lifting Height / Displacement		29.53 / 6.34	29.53 / 6.34
	Air Filter	-		Panel Included	Panel Included

- 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

V36D

Model Name				V36D018S6-5P	V36D024S6-5P
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	26	38
		Heating	W	26	38
	Current Input	Cooling	A	0.18	0.28
		Heating	A	0.18	0.28
	Current	MCA	A	0.40	0.53
		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		-	Turbo	Turbo
	Quantity		EA	1	1
	Air Flow Rate	High / Med / Low	CMM	16.0 / 15.0 / 14.0	19.0 / 16.5 / 14.5
			CFM	565 / 530 / 494	671 / 583 / 512
			l/s	267 / 250 / 233	317 / 275 / 242
Fan Motor	Type		-	BLDC	BLDC
	Output		W × n	65 × 1	65 × 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	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Wiring Connections	Communication	Min.	mm²	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)	33 / 31 / 29	38 / 35 / 32
	Sound Power Level	Cooling	dB(A)	51	56
Dimensions	Net Weight		kg	20.2	20.2
			lbs	44.5	44.5
	Shipping Weight		kg	25.0	25.0
			lbs	55.1	55.1
	Net Dimensions (W×H×D)		mm	947 x 281 x 947	947 x 281 x 947
			inch	37.28 x 11.06 x 37.28	37.28 x 11.06 x 37.28
	Shipping Dimensions (W×H×D)		mm	990 x 330 x 990	990 x 330 x 990
			inch	38.98 x 12.99 x 38.98	38.98 x 12.99 x 38.98
Casing	Material		-	HIPS	HIPS
Panel (1)	Model Name		-	PC6NUSMUNW	PC6NUSMUNW
	Type		-	Square	Square
	Material		-	HIPS	HIPS
	Color		-	White	White
	Net Weight		kg	4.0	4.0
			lbs	8.82	8.82
	Shipping Weight		kg	6.2	6.2
			lbs	13.67	13.67
	Net Dimensions (WxHxD)		mm	1,000 x 74 x 1,000	1,000 x 74 x 1,000
			inch	39.37 x 2.9 x 39.37	39.37 x 2.9 x 39.37
	Shipping Dimensions (W×H×D)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083
			inch	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64

Specification

V36D

Model Name			V36D018S6-5P	V36D024S6-5P
Panel (2)	Model Name		PC6EUSMUNW	PC6EUSMUNW
	Type		Circle	Circle
	Material		HIPS	HIPS
	Color		White	White
	Net Weight	kg	3.0	3.0
		lbs	6.62	6.62
	Shipping Weight	kg	5.2	5.2
		lbs	11.47	11.47
	Net Dimensions (WxHxD)	mm	1,050 x 106 x 1,050	1,050 x 106 x 1,050
		inch	41.34 x 4.17 x 41.34	41.34 x 4.17 x 41.34
Shipping Dimensions (W×H×D)	mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	
	inch	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64	
Additional Accessories	Drain pump		Included	Included
	Max. lifting Height / Displacement	in / gal/h	29.53 / 6.34	29.53 / 6.34
	Air Filter		Panel Included	Panel Included

- 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

V36D

Model Name				V36D030S6-5P	V36D036S6-5P	V36D048S6-5P
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	30,000	36,000	48,000
			US RT	2.50	3.00	4.00
		Heating	Btu/h	34,000	40,000	54,000
			US RT	2.83	3.33	4.50
Power	Power Input	Cooling	W	54	71	91
		Heating	W	54	71	91
	Current Input	Cooling	A	0.42	0.57	0.75
		Heating	A	0.42	0.57	0.75
	Current	MCA	A	0.82	0.92	1.13
		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		-	Turbo	Turbo	Turbo
	Quantity		EA	1	1	1
	Air Flow Rate	High / Med / Low	CMM	25.5 / 22.5 / 20.0	28.0 / 25.0 / 22.0	31.5 / 27.0 / 24.0
			CFM	901 / 795 / 706	989 / 883 / 777	1,112 / 954 / 848
			l/s	425 / 375 / 333	467 / 417 / 367	525 / 450 / 400
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W × n	97 × 1	97 × 1	97 × 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	Communication	Min.	mm²	0.75	0.75	0.75
			AWG	18	18	18
		Remark	-	F1, F2	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32
Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound Level	Sound Pressure Level	High / Med / Low	dB(A)	40 / 38 / 36	43 / 40 / 38	44 / 42 / 39
	Sound Power Level	Cooling	dB(A)	58	60	61
Dimensions	Net Weight		kg	23.0	23.0	23.0
			lbs	50.7	50.7	50.7
	Shipping Weight		kg	28.0	28.0	28.0
			lbs	61.7	61.7	61.7
	Net Dimensions (W×H×D)		mm	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
			inch	37.28 x 14.37 x 37.28	37.28 x 14.37 x 37.28	37.28 x 14.37 x 37.28
	Shipping Dimensions (W×H×D)		mm	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
			inch	38.98 x 16.30 x 38.98	38.98 x 16.30 x 38.98	38.98 x 16.30 x 38.98
Casing	Material		-	HIPS	HIPS	HIPS
Panel (1)	Model Name		-	PC6NUSMUNW	PC6NUSMUNW	PC6NUSMUNW
	Type		-	Square	Square	Square
	Material		-	HIPS	HIPS	HIPS
	Color		-	White	White	White
	Net Weight		kg	4.0	4.0	4.0
			lbs	8.82	8.82	8.82
	Shipping Weight		kg	6.2	6.2	6.2
			lbs	13.67	13.67	13.67
	Net Dimensions (WxHxD)		mm	1,000 x 74 x 1,000	1,000 x 74 x 1,000	1,000 x 74 x 1,000
			inch	39.37 x 2.9 x 39.37	39.37 x 2.9 x 39.37	39.37 x 2.9 x 39.37
	Shipping Dimensions (W×H×D)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
			inch	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64

Specification

V36D

Model Name			V36D030S6-5P	V36D036S6-5P	V36D048S6-5P
Panel (2)	Model Name		-	PC6EUSMUNW	PC6EUSMUNW
	Type		-	Circle	Circle
	Material		-	HIPS	HIPS
	Color		-	White	White
	Net Weight		kg	3.0	3.0
			lbs	6.62	6.62
	Shipping Weight		kg	5.2	5.2
			lbs	11.47	11.47
	Net Dimensions (WxHxD)		mm	1,050 x 106 x 1,050	1,050 x 106 x 1,050
			inch	41.34 x 4.17 x 41.34	41.34 x 4.17 x 41.34
Shipping Dimensions (W×H×D)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	
		inch	43.03 x 3.35 x 42.64	43.03 x 3.35 x 42.64	
Additional Accessories	Drain pump		-	Included	Included
	Max. lifting Height / Displacement	in / gal/h	29.53 / 6.34	29.53 / 6.34	29.53 / 6.34
Air Filter		-	Panel Included	Panel Included	

- 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

V36D

Performance Characteristics

Model Code	Net Weight (lbs)	Fan Speed	Nominal Capacity (Btu/h)			Airflow (CFM)	Sound Pressure (dBA)	Sound Power (dBA)
			Cooling	Sensible	Heating			
V36D009S6-5P	44.5	High	9,000	6,500	10,000	565	33	51
		Mid	8,500	6,100	9,700	530	31	-
		Low	8,000	5,800	9,400	494	29	-
V36D012S6-5P	44.5	High	12,000	9,300	13,500	565	33	51
		Mid	11,400	8,800	13,100	530	31	-
		Low	10,700	8,300	12,600	494	29	-
V36D018S6-5P	44.5	High	18,000	12,500	20,000	565	33	51
		Mid	17,000	11,800	19,400	530	31	-
		Low	16,000	11,100	18,700	494	29	-
V36D024S6-5P	44.5	High	24,000	16,900	27,000	671	38	56
		Mid	21,200	14,900	25,200	583	35	-
		Low	18,800	13,200	23,600	512	32	-
V36D030S6-5P	50.7	High	30,000	21,000	34,000	901	40	58
		Mid	26,900	18,800	31,900	795	38	-
		Low	24,200	16,900	30,100	706	36	-
V36D036S6-5P	50.7	High	36,000	25,400	40,000	989	43	60
		Mid	32,600	23,000	37,800	883	40	-
		Low	29,000	20,500	35,500	777	38	-
V36D048S6-5P	50.7	High	48,000	32,900	54,000	1112	44	61
		Mid	41,900	28,700	50,000	954	42	-
		Low	37,600	25,800	47,100	848	39	-

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)
V36D009S6-5P	1,2,208-230,60	26.00	0.18	0.40	15	0.32
V36D012S6-5P	1,2,208-230,60	26.00	0.18	0.40	15	0.32
V36D018S6-5P	1,2,208-230,60	26.00	0.18	0.40	15	0.32
V36D024S6-5P	1,2,208-230,60	38.00	0.28	0.53	15	0.42
V36D030S6-5P	1,2,208-230,60	54.00	0.42	0.82	15	0.66
V36D036S6-5P	1,2,208-230,60	71.00	0.57	0.92	15	0.74
V36D048S6-5P	1,2,208-230,60	91.00	0.75	1.13	15	0.90

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

V36D

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 Btu/h	SHC Btu/h	TC Btu/h	SHC Btu/h	TC Btu/h	SHC Btu/h	TC Btu/h	SHC Btu/h	TC Btu/h	SHC Btu/h	TC Btu/h	SHC Btu/h	TC Btu/h	SHC Btu/h
V36D009S6-5P	95	6.20	5.50	7.40	6.10	8.60	6.50	9.00	6.50	9.90	6.50	10.30	6.40	10.70	6.20
V36D012S6-5P	95	8.46	8.03	9.76	8.74	11.58	8.91	12.00	9.30	13.26	9.50	13.77	9.28	14.15	8.90
V36D018S6-5P	95	12.71	10.47	14.89	11.22	17.37	12.43	18.00	12.50	19.91	12.38	20.68	12.07	21.39	11.62
V36D024S6-5P	95	16.80	13.70	19.70	15.30	23.20	16.50	24.00	16.90	26.60	17.10	27.70	16.90	28.60	16.50
V36D030S6-5P	95	21.08	17.30	24.59	18.90	28.80	20.95	30.00	21.00	33.30	20.82	34.62	20.61	35.75	20.40
V36D036S6-5P	95	25.25	20.52	29.50	22.56	34.60	25.26	36.00	25.40	39.87	25.38	41.45	25.18	42.86	24.86
V36D048S6-5P	95	33.93	26.56	39.47	29.13	46.11	32.48	48.00	32.90	53.13	32.87	55.23	32.67	57.16	32.49

Heating

TC : Total Capacity

Model	Outdoor temperature (°F, DB)		Indoor temperature (°F, DB)				
			61	65	70	72	75
	DB	WB	TC Btu/h	TC Btu/h	TC Btu/h	TC Btu/h	TC Btu/h
V36D009S6-5P	47	43	11.10	10.70	10.00	9.60	9.00
V36D012S6-5P	47	43	14.45	14.36	13.50	12.92	12.07
V36D018S6-5P	47	43	21.52	21.24	20.00	19.09	17.75
V36D024S6-5P	47	43	28.90	28.50	27.00	25.90	24.20
V36D030S6-5P	47	43	36.65	35.90	34.00	32.44	30.16
V36D036S6-5P	47	43	43.19	42.38	40.00	38.18	35.69
V36D048S6-5P	47	43	58.12	56.98	54.00	51.64	48.00



NOTE

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

Dimensional Drawing

V36D

V36D009S6-5P, V36D012S6-5P, V36D018S6-5P, V36D024S6-5P

No.	Name	Description	
		V36D009S6-5P V36D012S6-5P V36D018S6-5P	V36D024S6-5P
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 (OD32, ID25)	
4	Power supply & Communication wiring conduit	-	
5	Air Discharge opening	-	
6	Air suction grille	-	
7	Suction rim for Booster fan	-	
8	Decoration cover	-	
9	Drain hose (Accessory)	-	
10	Fresh air intake knockout hole	Use M4 Screw	
11	Display Window	-	
12	Remote controller receiver	-	

NOTE

- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 29mm[1-1/4].
Max ceiling opening : 960mm[36-13/16].
- When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)

Dimensional Drawing

V36D

V36D009S6-5P, V36D012S6-5P, V36D018S6-5P, V36D024S6-5P

No.	Name	Description	
		V36D009S6-5P V36D012S6-5P V36D018S6-5P	V36D024S6-5P
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 (OD32, ID25)	
4	Power supply & Communication wiring conduit	-	
5	Air Discharge opening	-	
6	Air suction grille	-	
7	Suction rim for Booster fan	-	
8	Decoration cover	-	
9	Drain hose (Accessory)	-	
10	Fresh air intake knockout hole	Use M4 Screw	
11	Display Window	-	
12	Remote controller receiver	-	

NOTE

- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8]
When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)
- When installing the circular panel on the ceiling, make sure to install 2 or more inspection holes for the maintenance.
- The circular panel is by default available in exposed installation.
Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
(The size of an inspection hole must be at least 450 mm x 450 mm.)

Category	Inspection hole		
	Recessed installation		Exposed installation
	Integrated	suspended	
Square panel	1 ea	-	
Circular panel	2 ea		

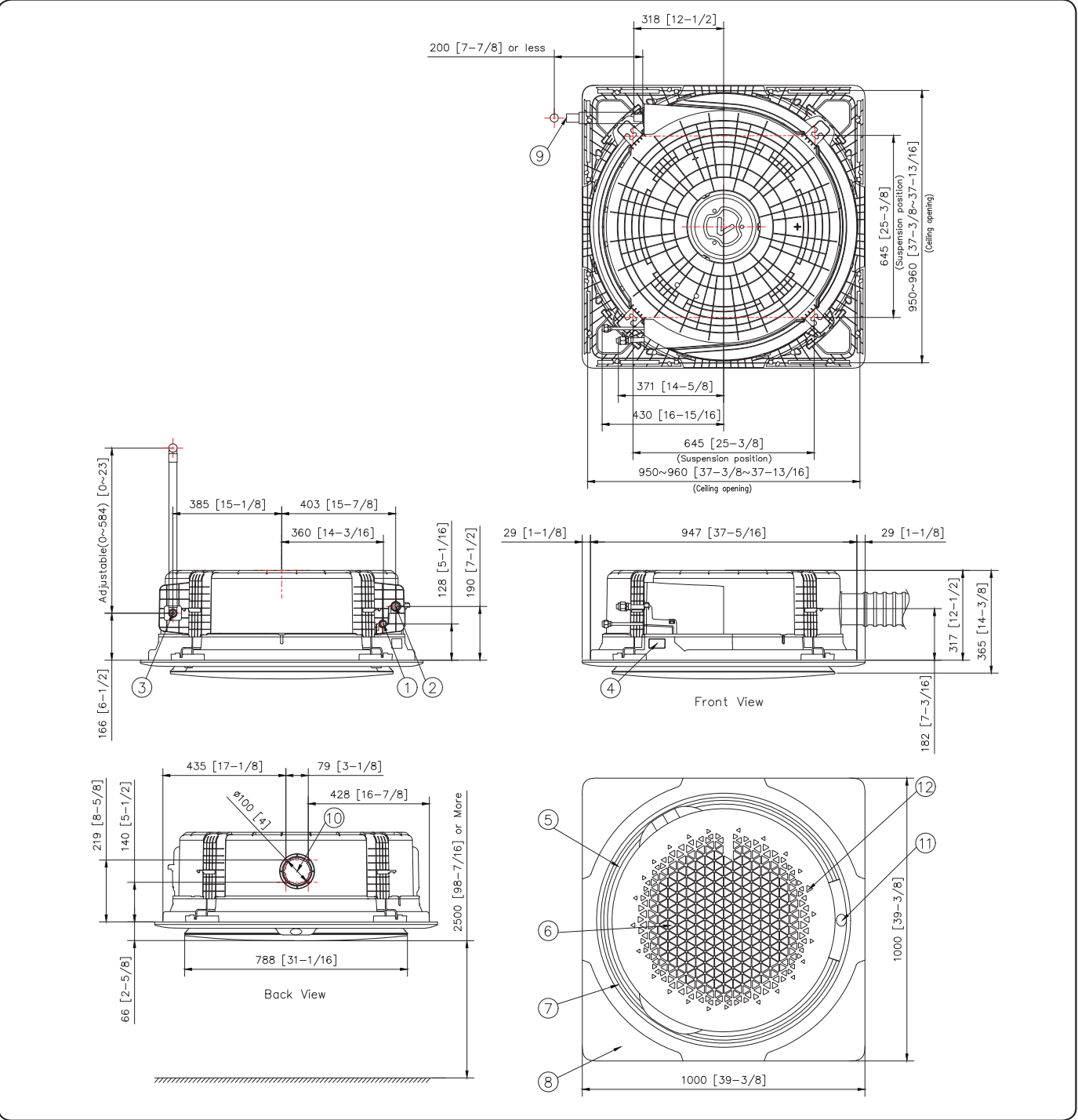
- A suspended ceiling structure can substitute for the inspection holes.

Dimensional Drawing

V36D

V36D030S6-5P, V36D036S6-5P, V36D048S6-5P

Units : mm [inches]



Dimensional Drawing

V36D

V36D030S6-5P, V36D036S6-5P, V36D048S6-5P

No.	Name	Description
1	Liquid pipe connection	Φ9.52[3/8]
2	Gas pipe connection	Φ15.88[5/8]
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply & Communication wiring conduit	-
5	Air Discharge opening	-
6	Air suction grille	-
7	Suction rim for Booster fan	-
8	Decoration cover	-
9	Drain hose (Accessory)	-
10	Fresh air intake knockout hole	Use M4 Screw
11	Display Window	-
12	Remote controller receiver	-

NOTE

- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 29mm[1-1/4].
Max ceiling opening : 960mm[36-13/16].
- When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)

Dimensional Drawing

V36D

V36D030S6-5P, V36D036S6-5P, V36D048S6-5P

No.	Name	Description
1	Liquid pipe connection	Φ9.52[3/8]
2	Gas pipe connection	Φ15.88[5/8]
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply & Communication wiring conduit	-
5	Air Discharge opening	-
6	Air suction grille	-
7	Suction rim for Booster fan	-
8	Decoration cover	-
9	Drain hose (Accessory)	-
10	Fresh air intake knockout hole	Use M4 Screw
11	Display Window	-
12	Remote controller receiver	-

NOTE

- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8]
When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam , thiKness 10mm[3/8] or more)
- When installing the circular panel on the ceiling, make sure to install 2 or more inspection holes for the maintenance.
- The circular panel is by default available in exposed installation.
Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
(The size of an inspection hole must be at least 450 mm x 450 mm.)

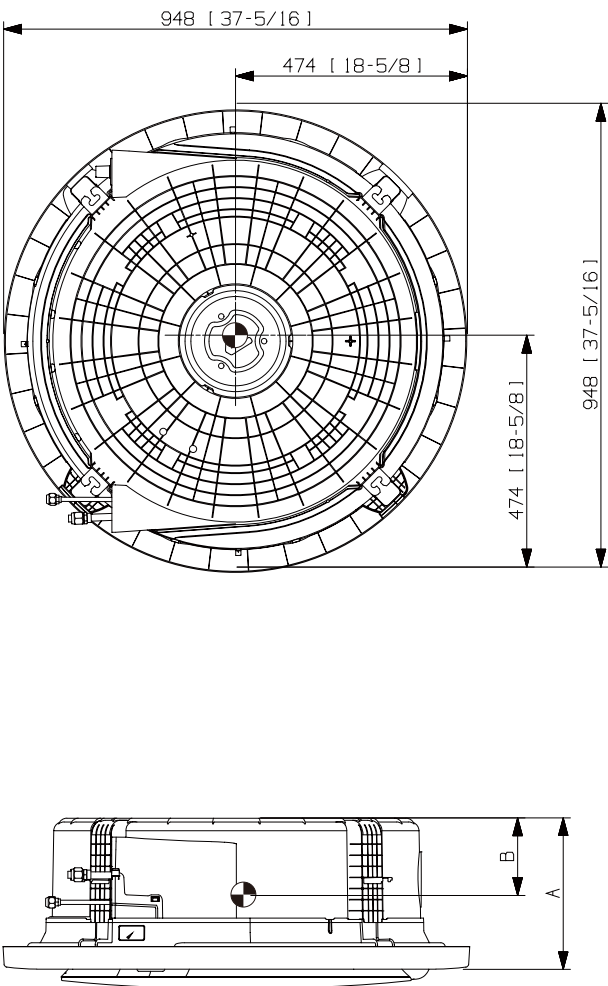
Category	Inspection hole		
	Recessed installation		Exposed installation
	Integrated	suspended	
Square panel	1 ea	-	
Circular panel	2 ea		

- A suspended ceiling structure can substitute for the inspection holes.

Center of Gravity

V36D

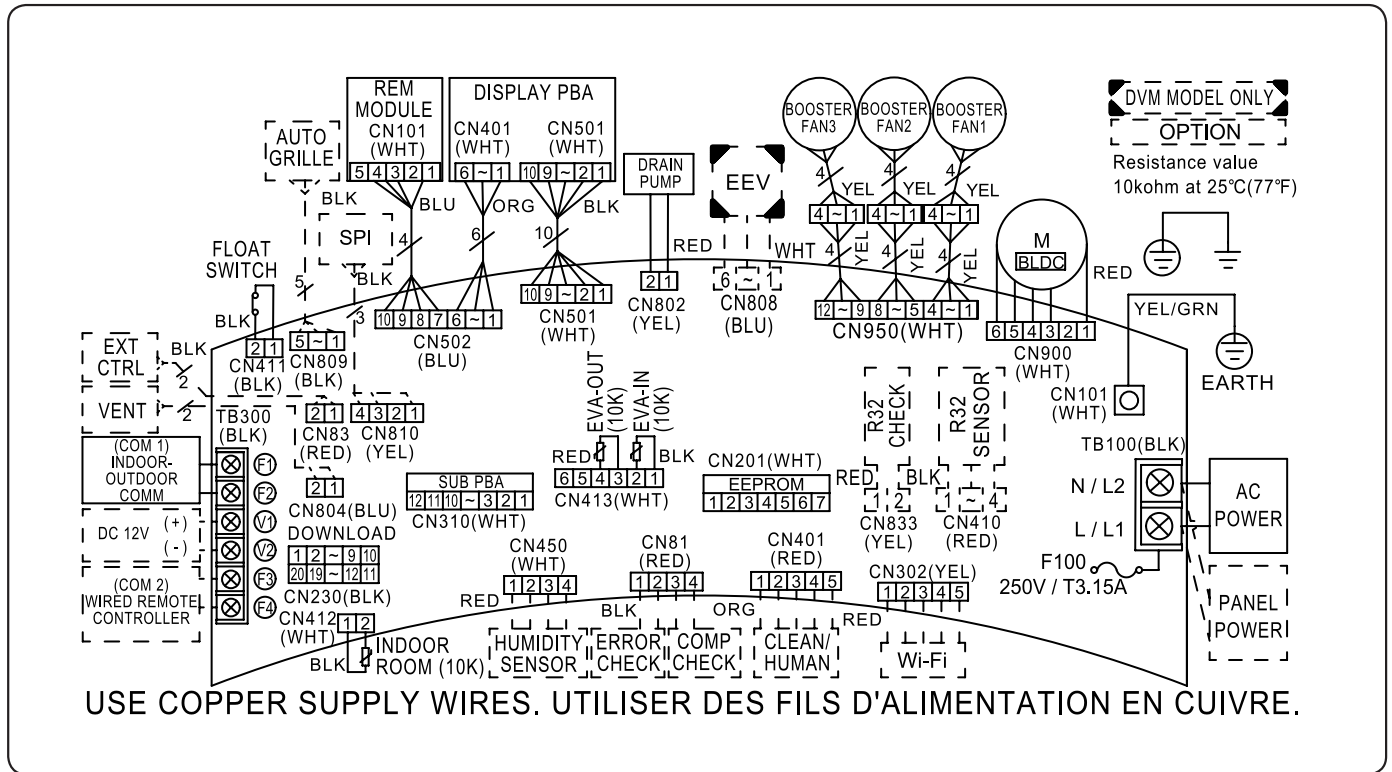
Units : mm [inches]



Model	A	B
V36D009S6-5P V36D012S6-5P V36D018S6-5P V36D024S6-5P	233 [9-3/16]	165 [6-1/2]
V36D030S6-5P V36D036S6-5P V36D048S6-5P	317 [12-1/2]	220 [8-5/8]

Electrical Wiring Diagram

V36D



F100	FUSE	EEV	Electronic Expansion Valve	ROOM(10K)	Thermistor ROOM OUT(10K)
M-BLDC	BLDC Motor	EXT_CONTROL	EXTERNAL_CONTROL	EVA-IN(10K)	Thermistor EVA IN(10K)
				EVA-OUT(10K)	Thermistor EVA OUT(10K)

NOTE

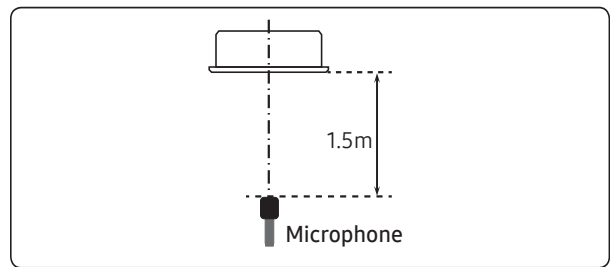
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- Protective earth(screw),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

Sound Data

V36D

Sound Pressure level

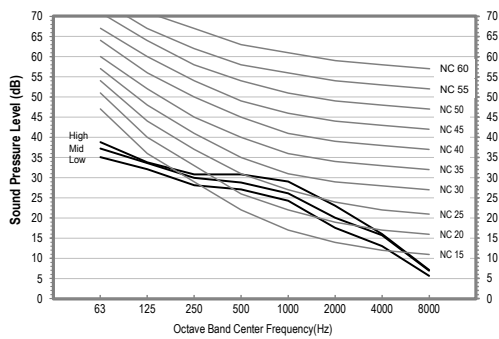
Unit: dB(A)



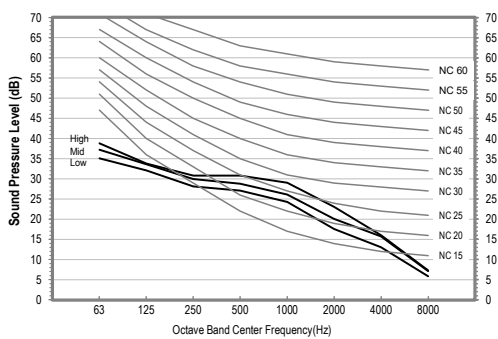
Model	High	MID	LOW
V36D009S6-5P	33	31	29
V36D012S6-5P	33	31	29
V36D018S6-5P	33	31	29
V36D024S6-5P	38	35	32

- NC Curve

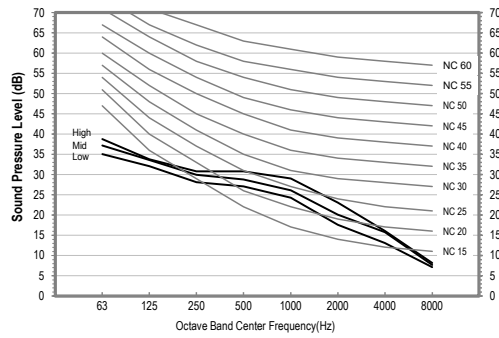
1) V36D009S6-5P



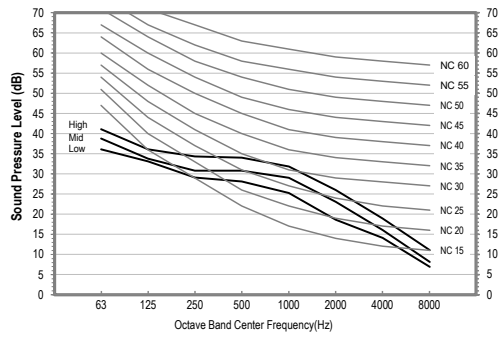
2) V36D012S6-5P



3) V36D018S6-5P



4) V36D024S6-5P



NOTE

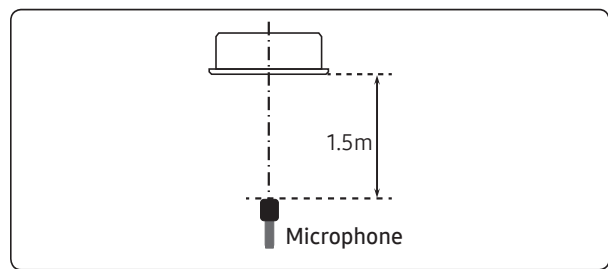
- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted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

Sound Data

V36D

Sound Pressure level

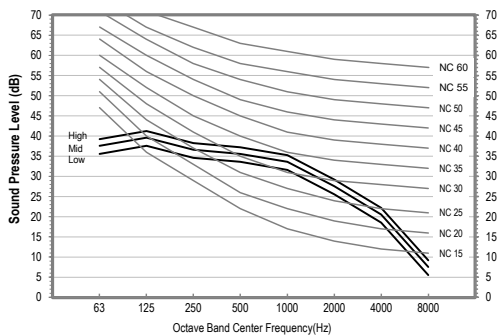
Unit: dB(A)



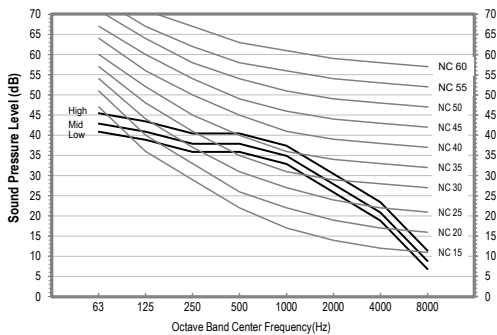
Model	High	MID	LOW
V36D030S6-5P	40	38	36
V36D036S6-5P	43	40	38
V36D048S6-5P	44	42	39

- NC Curve

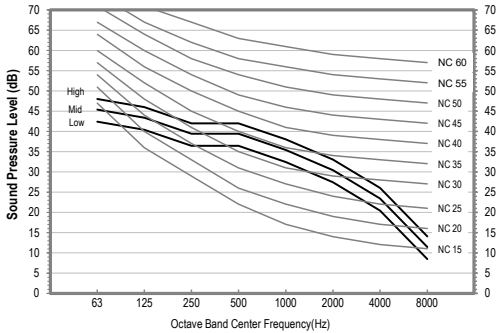
5) V36D030S6-5P



6) V36D036S6-5P



7) V36D048S6-5P



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

V36D

Sound Power level

NOTE

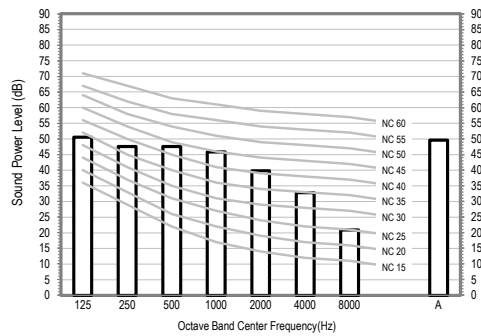
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

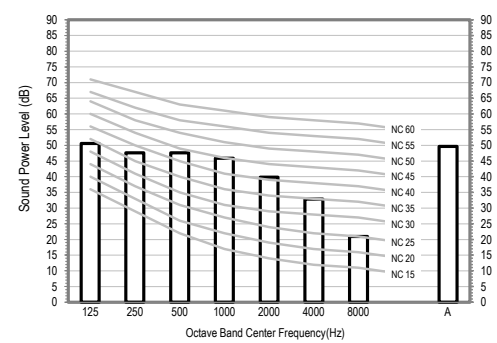
Model	Power
V36D009S6-5P	51
V36D012S6-5P	51
V36D018S6-5P	51
V36D024S6-5P	56

NC Curve

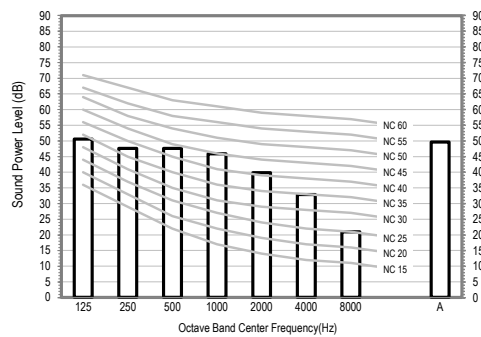
1) V36D009S6-5P



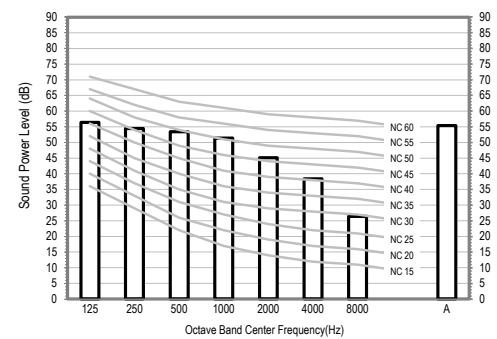
2) V36D012S6-5P



3) V36D018S6-5P



4) V36D024S6-5P



Sound Data

V36D

Sound Power level

 NOTE

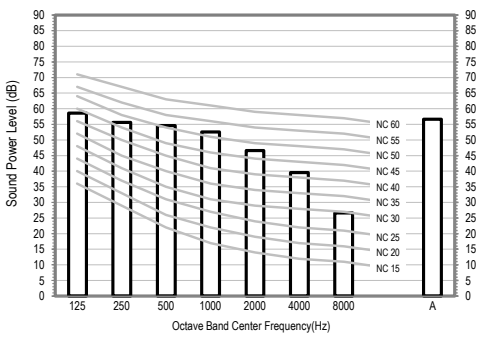
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

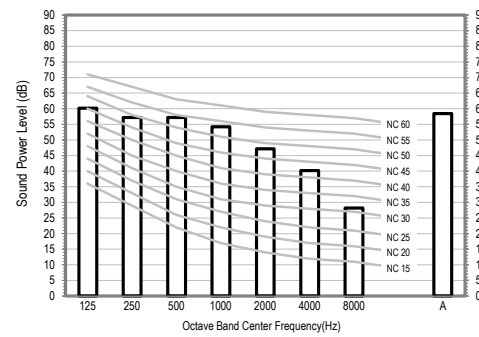
Model	Power
V36D030S6-5P	58
V36D036S6-5P	60
V36D048S6-5P	61

• NC Curve

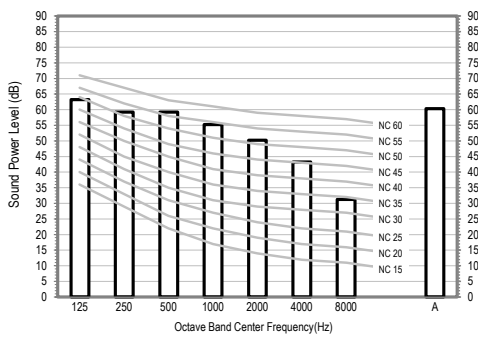
5) V36D030S6-5P



6) V36D036S6-5P



7) V36D048S6-5P



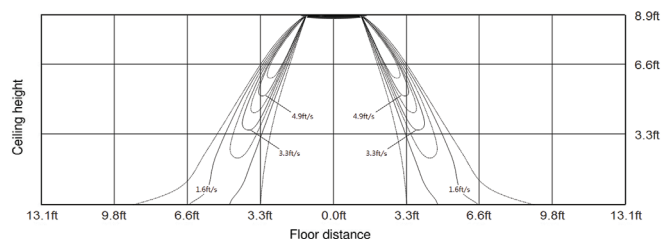
Temperature and air flow distribution

V36D

V36D009S6-5P

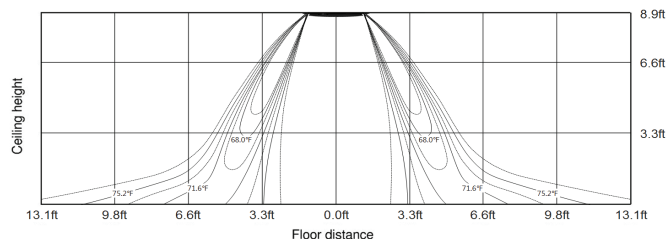
- Cooling Air Velocity distribution

Discharge angle : 60°



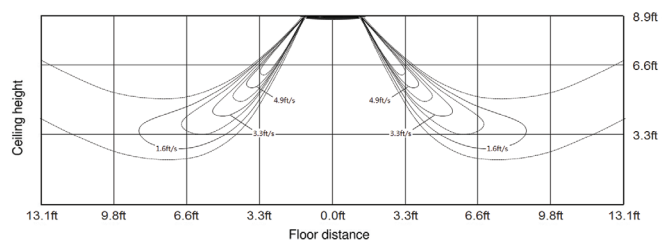
- Cooling Temperature distribution

Discharge angle : 60°



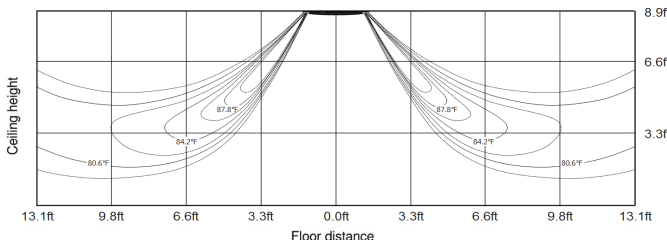
- Heating Air Velocity distribution

Discharge angle : 60°



- Heating Temperature distribution

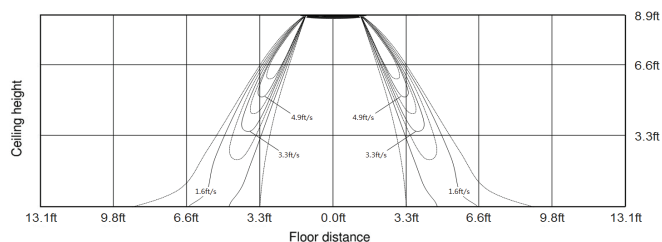
Discharge angle : 60°



V36D012S6-5P

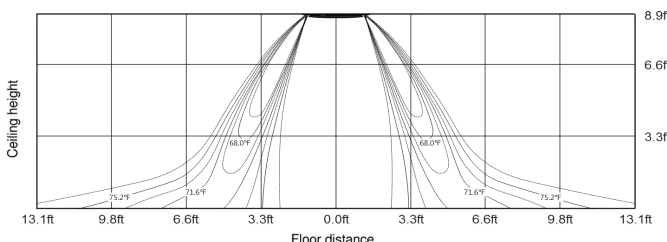
- Cooling Air Velocity distribution

Discharge angle : 60°



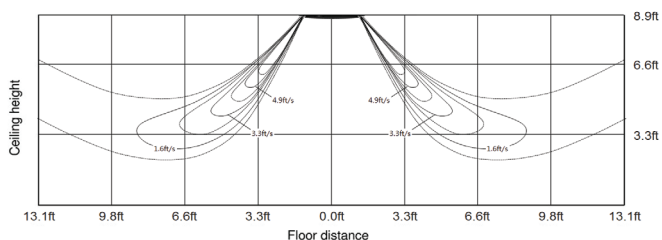
- Cooling Temperature distribution

Discharge angle : 60°



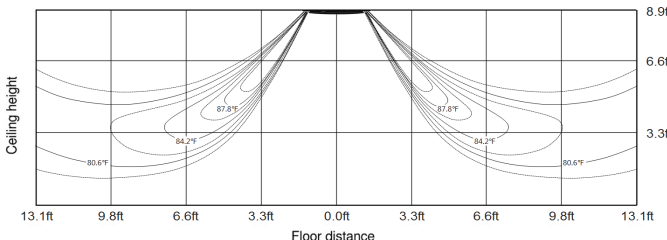
- Heating Air Velocity distribution

Discharge angle : 60°



- Heating Temperature distribution

Discharge angle : 60°



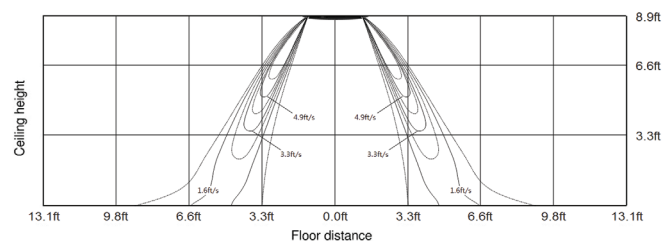
Temperature and air flow distribution

V36D

V36D018S6-5P

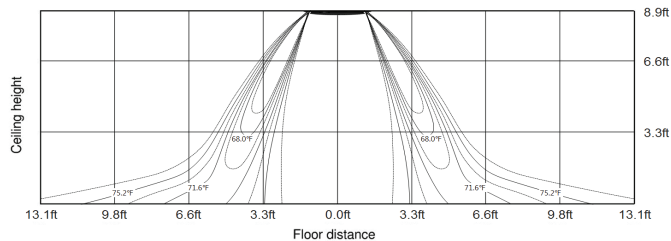
- Cooling Air Velocity distribution

Discharge angle : 60°



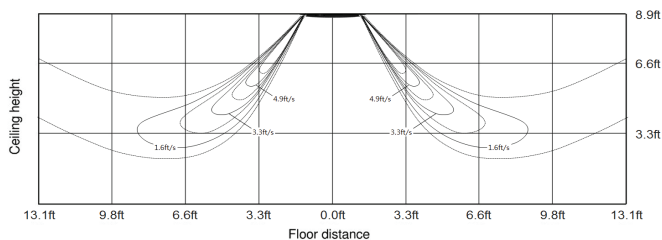
- Cooling Temperature distribution

Discharge angle : 60°



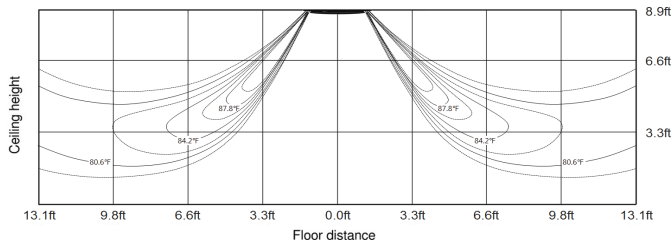
- Heating Air Velocity distribution

Discharge angle : 60°



- Heating Temperature distribution

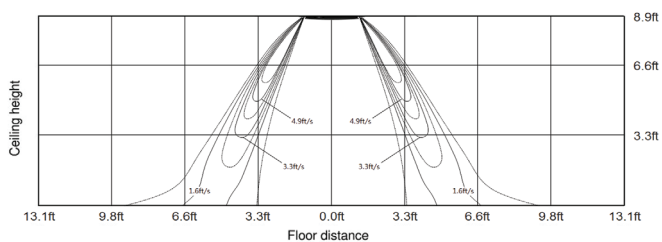
Discharge angle : 60°



V36D024S6-5P

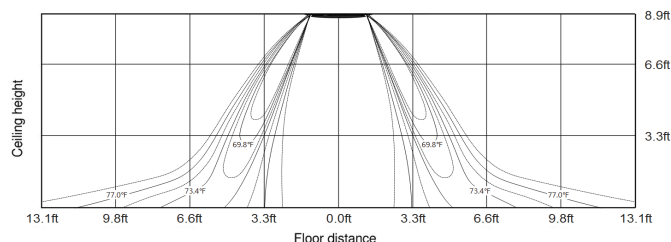
- Cooling Air Velocity distribution

Discharge angle : 60°



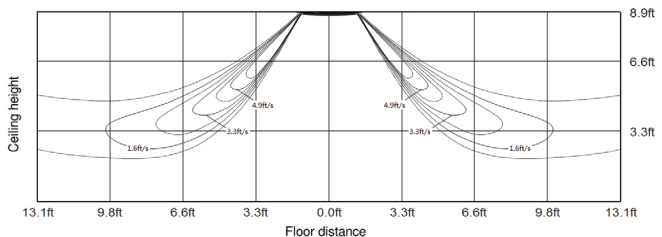
- Cooling Temperature distribution

Discharge angle : 60°



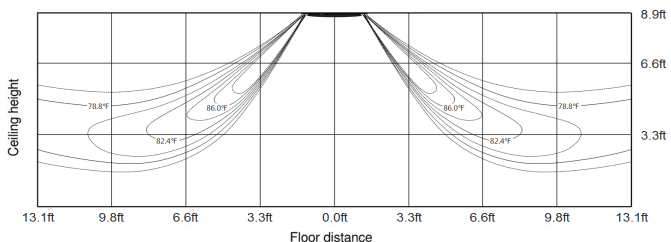
- Heating Air Velocity distribution

Discharge angle : 60°



- Heating Temperature distribution

Discharge angle : 60°



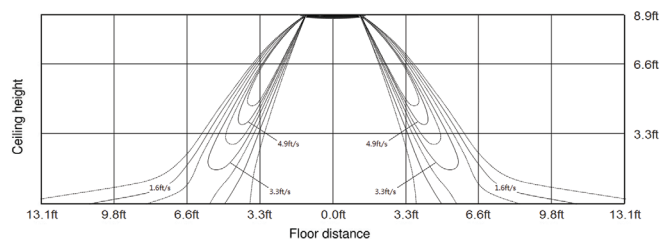
Temperature and air flow distribution

V36D

V36D030S6-5P

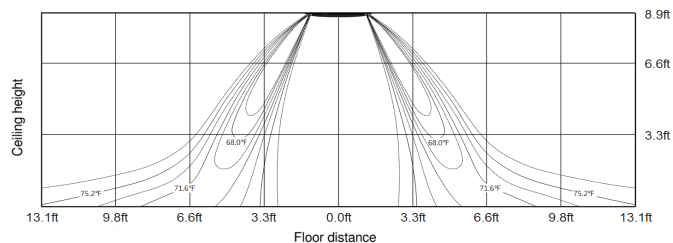
- Cooling Air Velocity distribution

Discharge angle : 60°



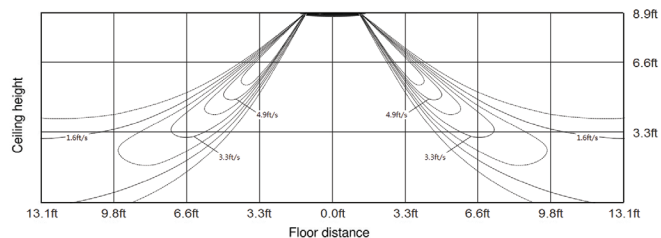
- Cooling Temperature distribution

Discharge angle : 60°



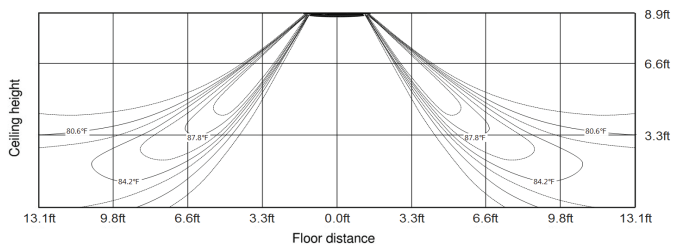
- Heating Air Velocity distribution

Discharge angle : 60°



- Heating Temperature distribution

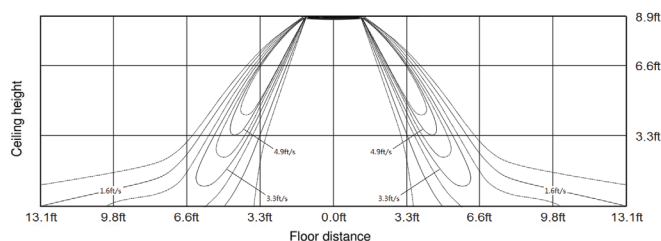
Discharge angle : 60°



V36D036S6-5P

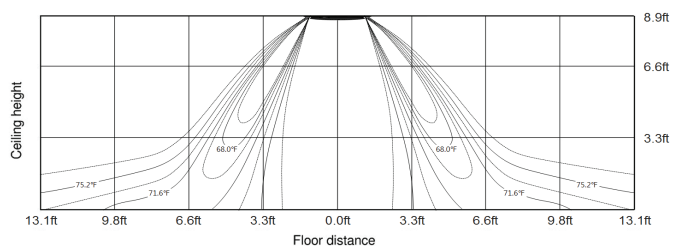
- Cooling Air Velocity distribution

Discharge angle : 60°



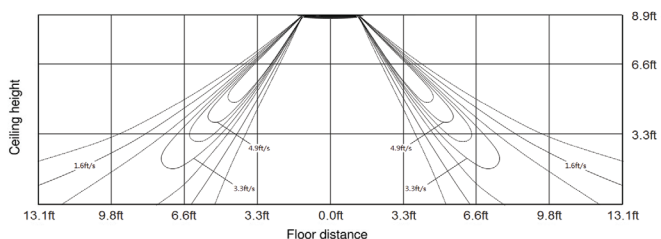
- Cooling Temperature distribution

Discharge angle : 60°



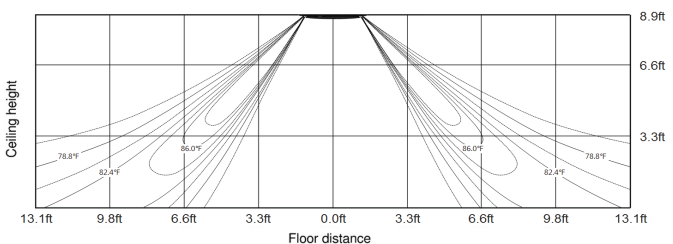
- Heating Air Velocity distribution

Discharge angle : 60°



- Heating Temperature distribution

Discharge angle : 60°

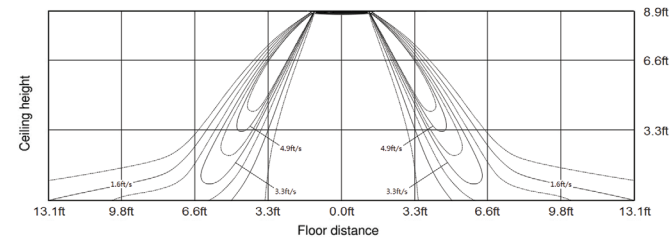


Temperature and air flow distribution

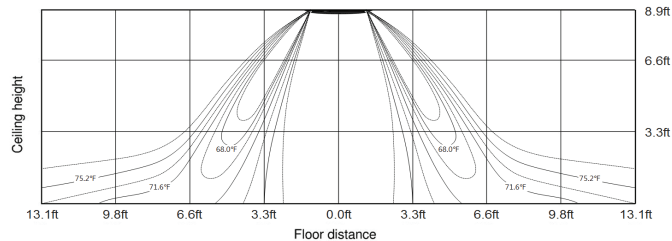
V36D

V36D048S6-5P

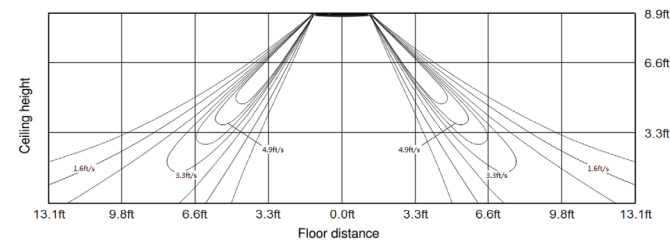
- Cooling Air Velocity distribution
Discharge angle : 60°



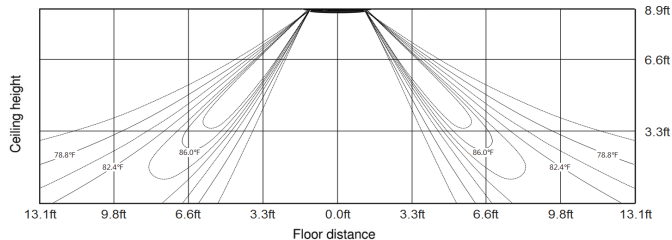
- Cooling Temperature distribution
Discharge angle : 60°



- Heating Air Velocity distribution
Discharge angle : 60°

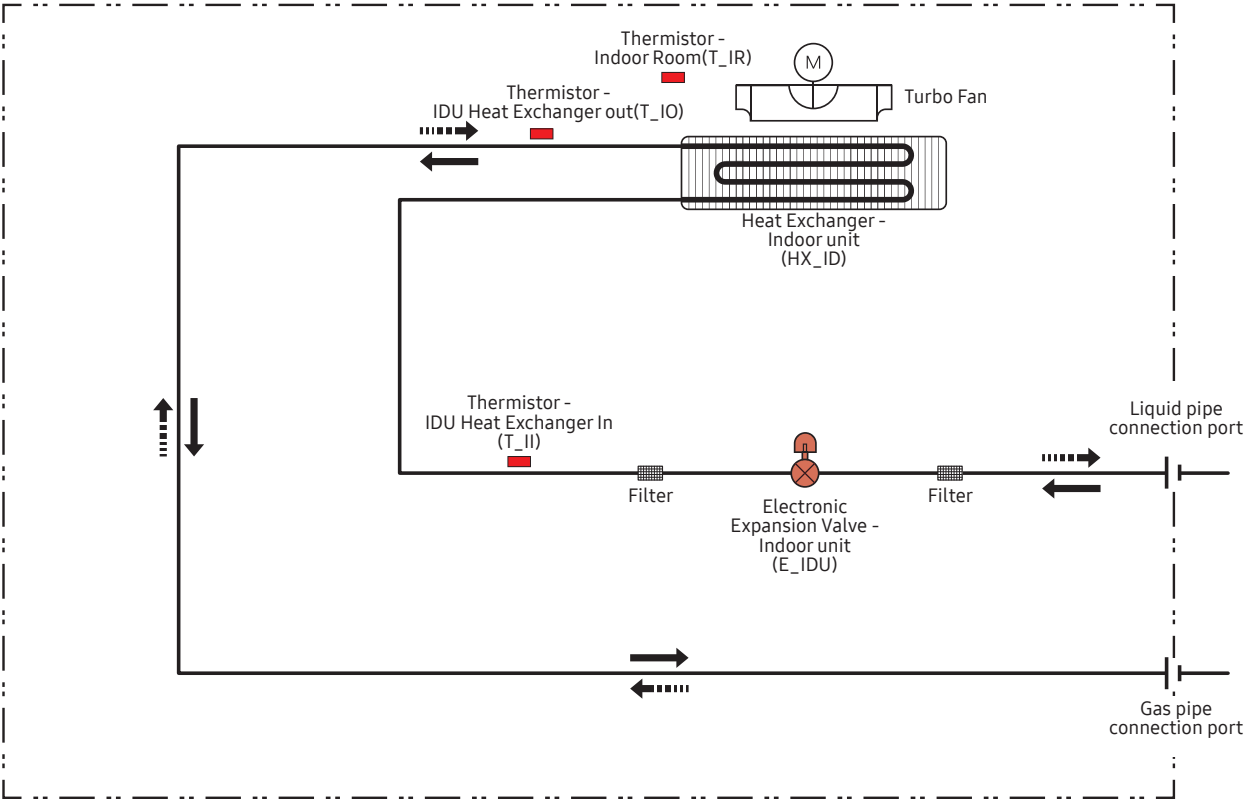


- Heating Temperature distribution
Discharge angle : 60°



Piping Diagram

V36D

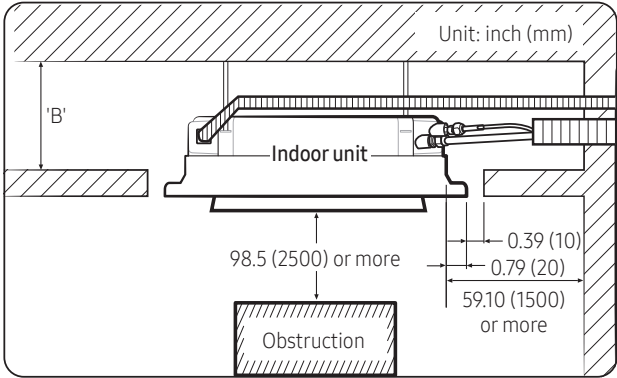
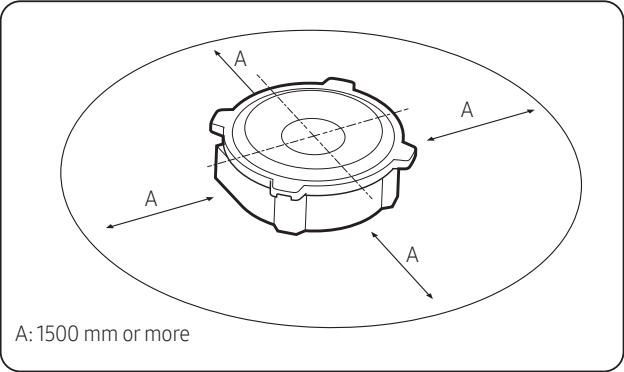


Refrigerant flow	
Cooling	Heating

Installation Clearances

V36D

Spacing requirements

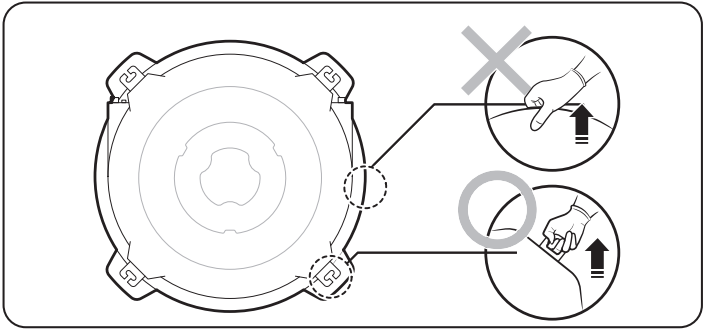


(Unit: inch (mm))

Model	V36D009S6-5P, V36D012S6-5P, V36D018S6-5P, V36D024S6-5P	V36D030S6-5P, V36D036S6-5P, V36D048S6-5P
B	10.27 (261)	13.58 (345)

⚠ CAUTION

- Comply with the length and height limits described in the figure above.
- The indoor unit must be installed according to the specified distances to permit accessibility from each side, to guarantee correct operation, maintenance, and repair of the unit.
- The components of the indoor unit must be reachable and removable under safe conditions for people and the unit.
- Do not hold the discharge while carrying the indoor unit to avoid the possibility of breakage.
- You must hold the hanger plate on the corner and carry the indoor unit.





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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.

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