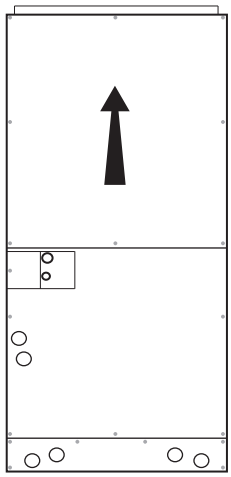
PVFY-P-E00B

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   6-2. External Heater Adapter CN24RELAY-KIT-CM3....PVFY-18
   6-3. DFK Series Downflow Conversion Kits....PVFY-18

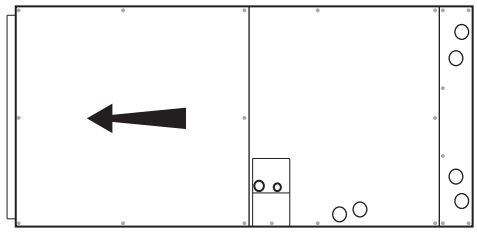
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VERTICAL-CONCEALED

Vertical Airflow



Horizontal Left Airflow



Vertical concealed		P06	P08	P12	P15	P18	P24	P27	P30	P36	P48	P54	P72	P96
		0.8HP	1.0HP	1.3HP	1.6HP	2.0HP	2.5HP	2.8HP	3.2HP	4.0HP	5.0HP	5.6HP	8.0HP	10.0HP
Nominal cooling cap. *1	Btu/h	6,000	8,000	12,000	15,000	18,000	24,000	24,000	30,000	36,000	48,000	54,000	72,000	96,000
Nominal heating cap. *2	Btu/h	6,700	9,000	13,500	17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000	80,000	100,000
PVFY-P-E00B				●		●	●		●	●	●	●		

* Nominal conditions *1, *2 are referred to in the Specification sheet.

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1. SPECIFICATIONS

PVFY-P-E00B Specifications									
Model Name			PVFY-P12E00B	PVFY-P18E00B	PVFY-P24E00B	PVFY-P30E00B	PVFY-P36E00B	PVFY-P48E00B	PVFY-P54E00B
Power Source			1-phase, 208 / 230V, 60Hz						
Cooling Capacity		Btu/h *1	12,000	18,000	24,000	30,000	36,000	48,000	54,000
Heating Capacity		Btu/h *2	13,500	20,000	27,000	34,000	40,000	54,000	60,000
Power Consumption	Cooling	kW	0.08	0.11	0.14	0.19	0.23	0.29	0.32
	Heating	kW	0.08	0.11	0.14	0.19	0.23	0.29	0.32
Current	Cooling	A	0.42 / 0.38	0.63 / 0.57	0.79 / 0.72	1.07 / 0.97	1.21 / 1.10	1.62 / 1.47	1.63 / 1.48
	Heating	A	0.42 / 0.38	0.63 / 0.57	0.79 / 0.72	1.07 / 0.97	1.21 / 1.10	1.62 / 1.47	1.63 / 1.48
MCA (208 / 230V)			0.52	0.78	0.99	1.33	1.51	2.02	2.04
MOCP		A	15	15	15	15	15	15	15
Dimensions	Height	Inches	42-3/4			48		58-3/4	
	Width	Inches	17-3/4			21		24-1/2	
	Depth	Inches	21					21 3/4	
Net Weight	Unit	Pounds	88	98	108	115	120	160	168
Heat Exchanger			Aluminum Fin and Copper Tube						
Fan	Type x Qty.		Forward Curved Blower x 1						
	Airflow Rate *3		341 - 391 - 469	431 - 508 - 559	504 - 642 - 716	702 - 844 - 901	829 - 1001 - 1066	1072 - 1310 - 1414	1224 - 1519 - 1585
	External Static Pressure	In. WG	(Size P12 = 0.20, 0.40, 0.60), (Sizes P18 - P54 = 0.30, 0.50, 0.80)						
	Motor Type		High Efficiency DC (ECM)						
Sound *4 (Low - Med - High)	Pressure	dB(A)	33 - 33 - 34	35 - 35 - 36	37 - 38 - 39	37 - 39 - 39	37 - 38 - 39	38 - 39 - 39	40 - 42 - 42
	Power	dB(A)	47 - 47 - 48	49 - 49 - 50	51 - 52 - 54	51 - 53 - 54	51 - 53 - 53	52 - 53 - 54	54 - 56 - 57
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	Inches	1/4		3/8				
	Gas (Low Pressure) (Brazed)	Inches	1/2		5/8				
Drain Pipe Dimension	Primary	Inches	3/4 FPT						
	Secondary		3/4 FPT						
Optional Parts	External Heater Adapter		CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3
	Downflow Conversion Kit		DFK-1	DFK-1	DFK-1	DFK-2	DFK-2	DFK-3	DFK-3

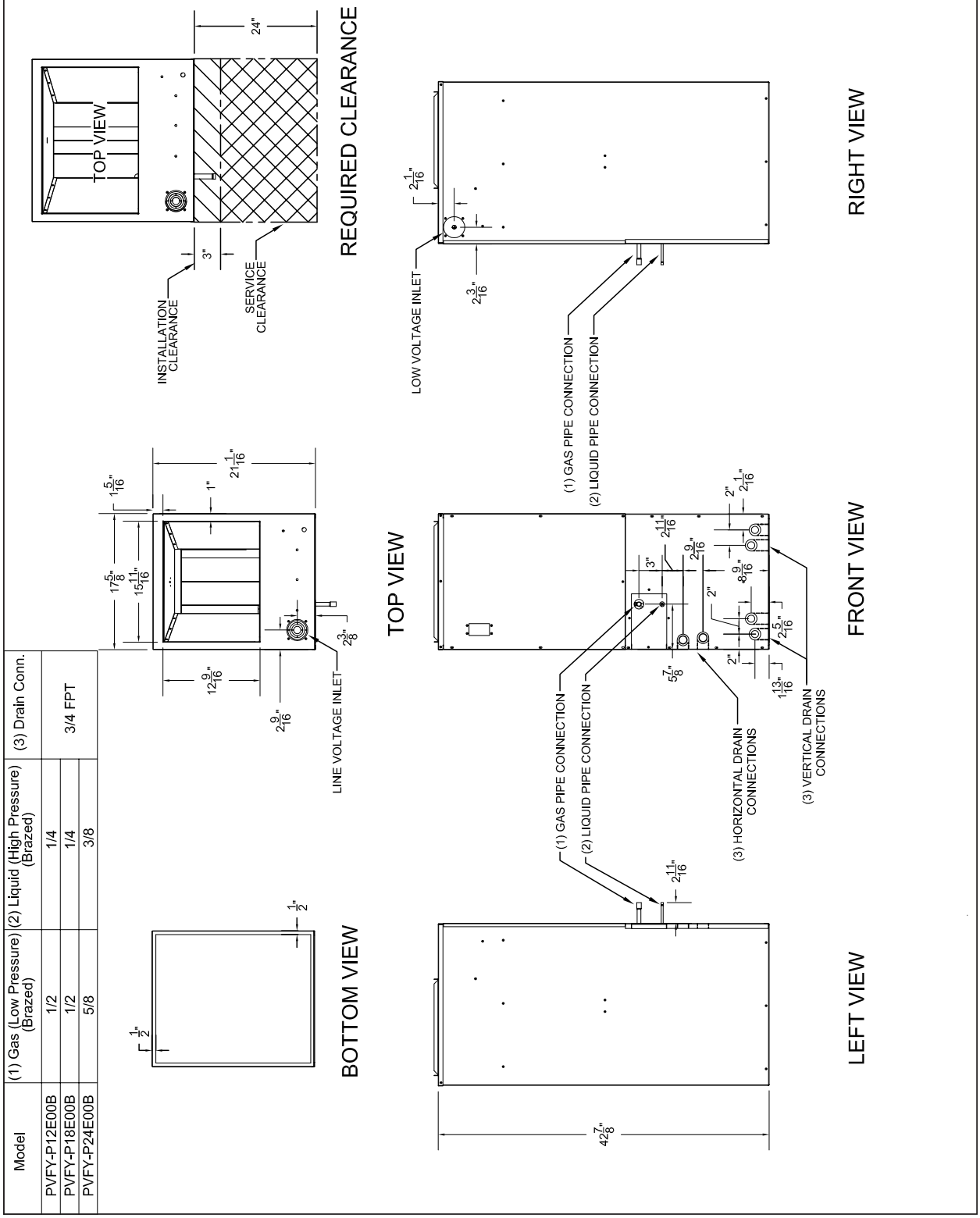
Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B./ 67° F W.B.	70° F D.B.	kcal =kW x 860
	(26.7° C D.B./ 19.4° C W.B.)	(21.1° C D.B.)	BTU/h =kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B./ 43° F W.B. (8.3° C D.B./ 6.1° C W.B.)	cfm =m^3/min x 35.31
			lb =kg / 0.4536
Pipe length:	25ft.(7.6m)	25ft.(7.6m)	* Above specification data is subject to rounding variation.
Level difference:	0ft.(0m)	0ft.(0m)	
* 3 Airflow rates are at (low-med-high fan speed) on medium static setting.			
* 4 Measured at medium static setting.			
* Due to continuing improvement, above specifications may be subject to change without notice.			

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

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PVFY-P12,18,24E00B

Units: Inches

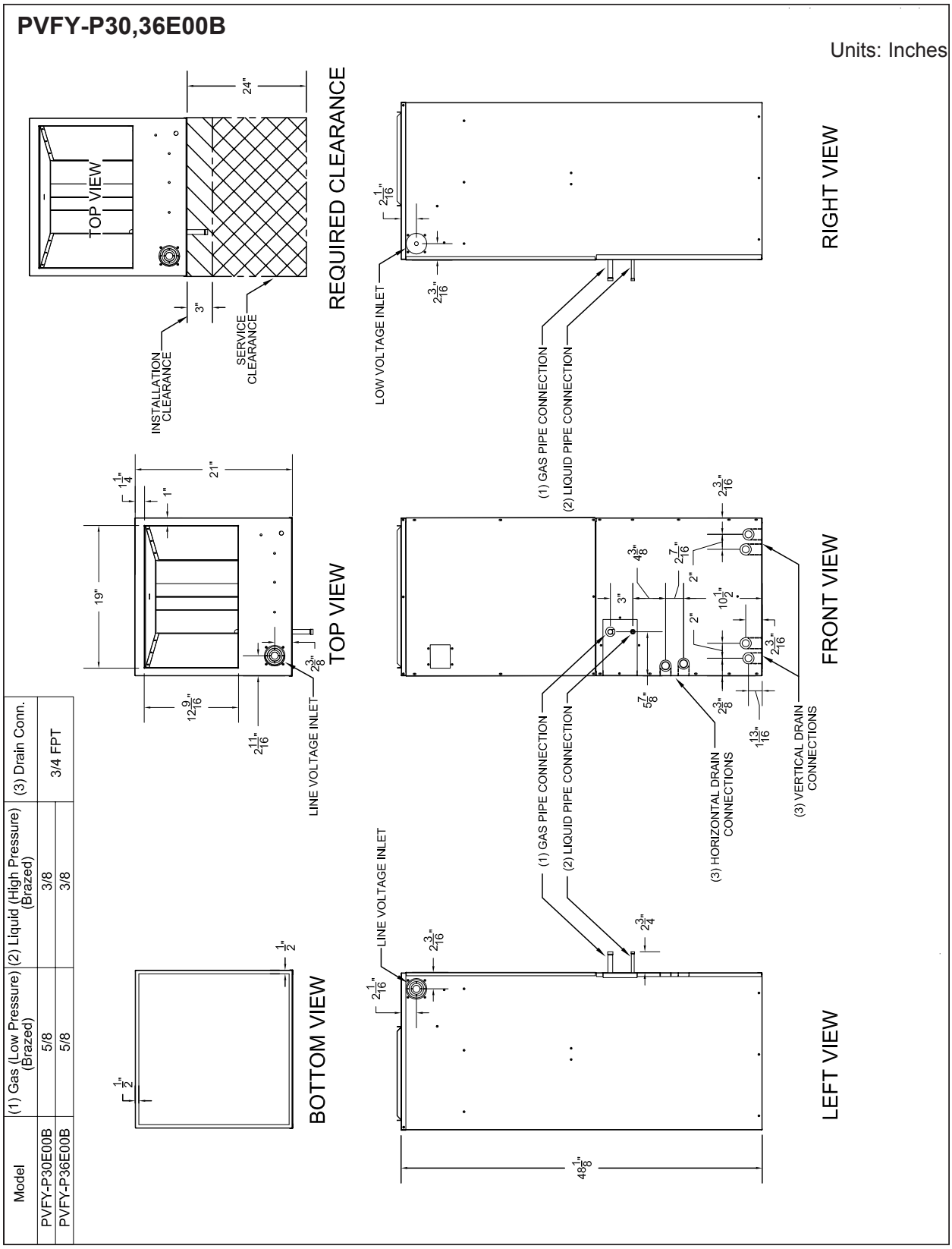


Model	(1) Gas (Low Pressure) (Brazed)	(2) Liquid (High Pressure) (Brazed)	(3) Drain Conn.
PVFY-P12E00B	1/2	1/4	3/4 FPT
PVFY-P18E00B	1/2	1/4	
PVFY-P24E00B	5/8	3/8	

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PVFY-P30,36E00B

Units: Inches

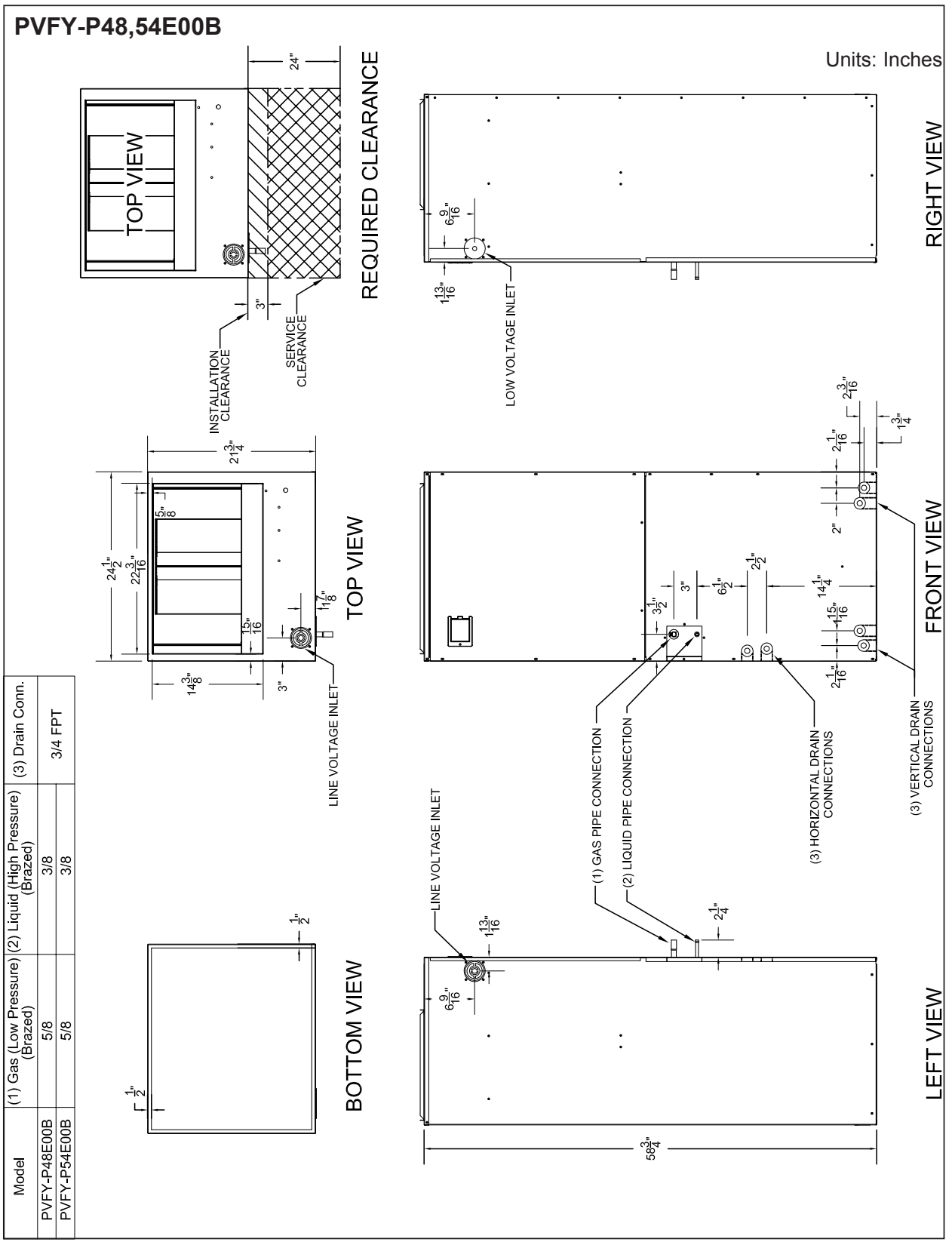


Model	(1) Gas (Low Pressure) (Brazed)	(2) Liquid (High Pressure) (Brazed)	(3) Drain Conn.
PVFY-P30E00B	5/8	3/8	3/4 FPT
PVFY-P36E00B	5/8	3/8	

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PVFY-P48,54E00B

Units: Inches

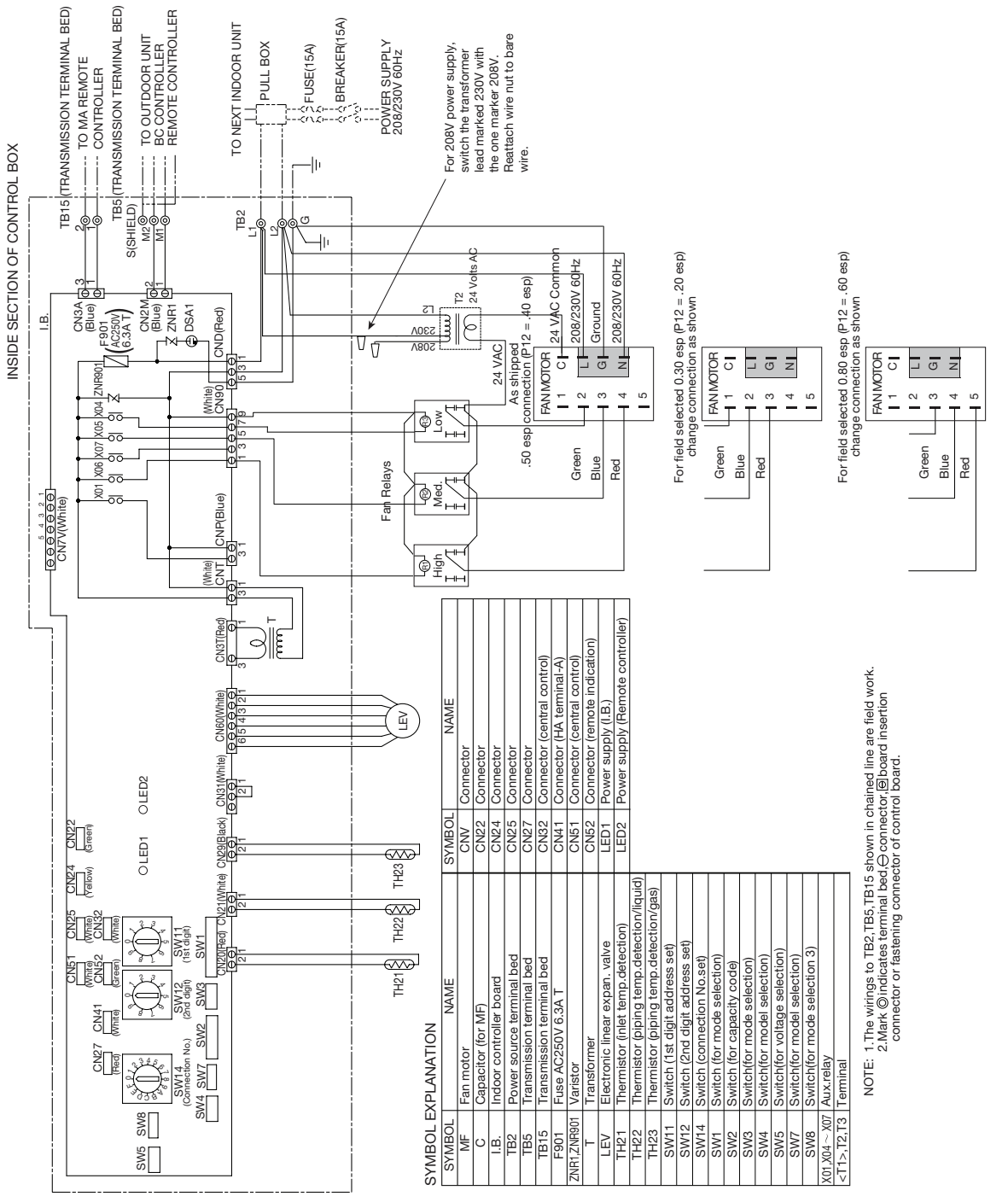


Model	(1) Gas (Low Pressure) (Brazed)	(2) Liquid (High Pressure) (Brazed)	(3) Drain Conn.
PVFY-P48E00B	5/8	3/8	3/4 FPT
PVFY-P54E00B	5/8	3/8	

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PVFY-P12,18,24,30,36,48,54E00B

Units: Inches



SYMBOL EXPLANATION

SYMBOL	NAME
MF	Fan motor
C	Capacitor (for MF)
I.B.	Indoor controller board
TB2	Power source terminal bed
TB5	Transmission terminal bed
TB15	Transmission terminal bed
F901	Fuse AC250V 6.3A T
ZNR1,ZNR901	Varistor
T	Transformer
LEV	Electronic linear expan. valve
TH21	Thermistor (inlet temp.detection)
TH22	Thermistor (piping temp.detection/liquid)
TH23	Thermistor (piping temp.detection/gas)
SW11	Switch (1st digit address set)
SW12	Switch (2nd digit address set)
SW14	Switch (connection No.set)
SW1	Switch (for mode selection)
SW2	Switch (for capacity code)
SW3	Switch(for mode selection)
SW4	Switch(for model selection)
SW5	Switch(for voltage selection)
SW7	Switch(for model selection)
SW8	Switch(for mode selection 3)
X01,X04 ~ X07	Aux.relay
<T1>,T2,T3	Terminal

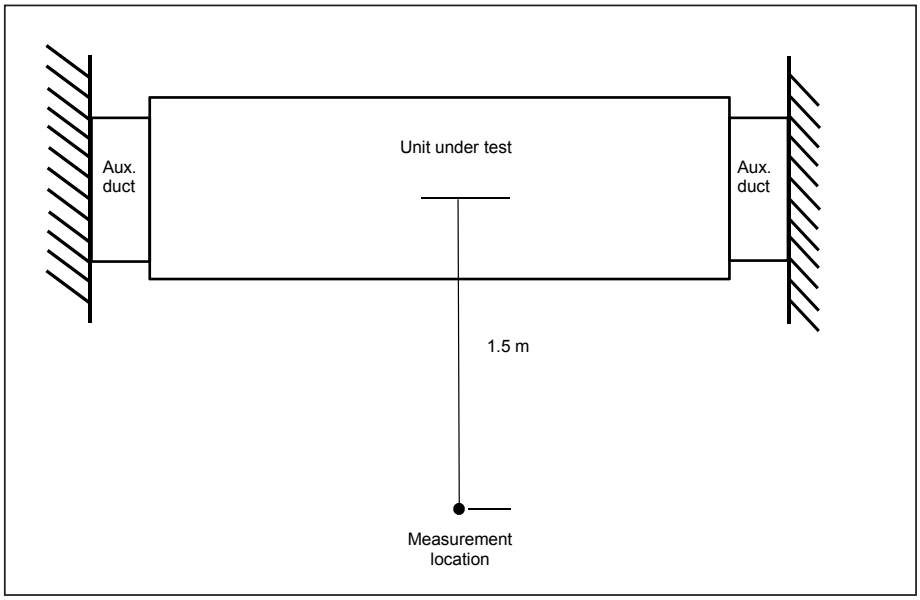
SYMBOL	NAME
CNV	Connector
CN22	Connector
CN24	Connector
CN25	Connector
CN27	Connector
CN32	Connector (central control)
CN41	Connector (HA terminal-A)
CN51	Connector (central control)
CN52	Connector (remote indication)
LED1	Power supply (I.B.)
LED2	Power supply (Remote controller)

NOTE: 1.The wirings to TB2,TB5,TB15 shown in chained line are field work.
2.Mark ⓒ indicates terminal bed, ⊖ connector, ⓑ board insertion connector or fastening connector of control board.

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4. SOUND DATA

4.1 Sound Power Levels

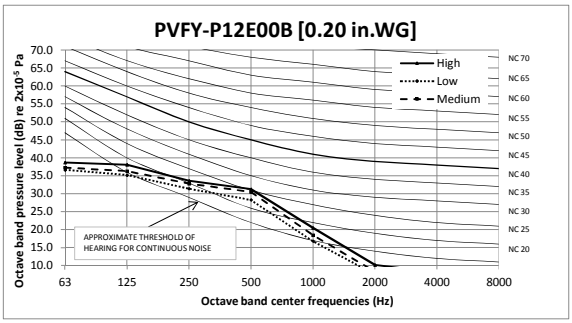


Sound power levels in low-med-high fan speed.

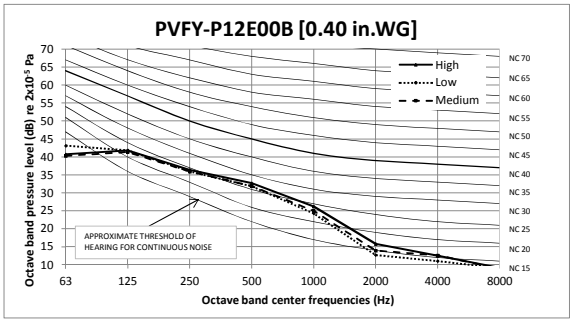
Model	Sound Power Levels dB(A)					
	0.20 ESP	0.30 ESP	0.40 ESP	0.50 ESP	0.60 ESP	0.80 ESP
PVFY-P12E00B	43-44-45	-	47-47-48	-	50-52-52	-
PVFY-P18E00B	-	46-46-48	-	49-49-50	-	53-54-54
PVFY-P24E00B	-	48-50-52	-	51-52-54	-	53-53-53
PVFY-P30E00B	-	48-51-53	-	51-53-54	-	54-52-52
PVFY-P36E00B	-	48-50-52	-	51-53-53	-	53-55-56
PVFY-P48E00B	-	49-54-52	-	52-54-54	-	57-57-57
PVFY-P54E00B	-	52-53-55	-	54-56-57	-	58-58-59

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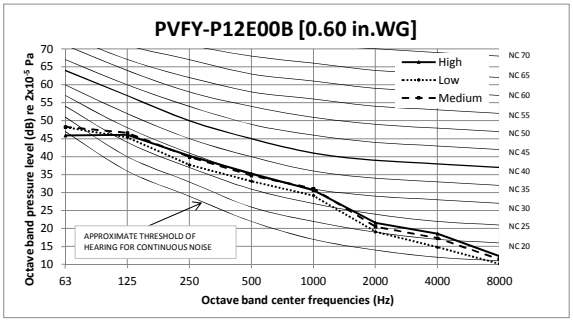
4.2 NC Curves



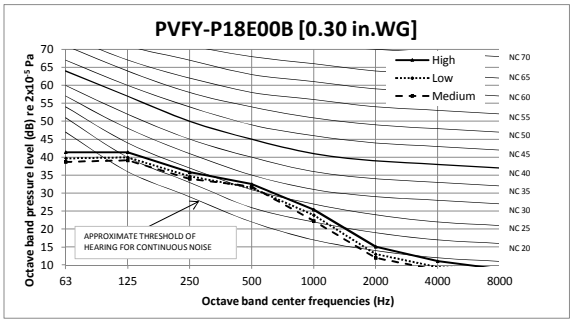
PVFY-P12E00B [0.20 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	36.6	37.3	38.7	51.1	51.8	53.2
125	35.2	36.3	38.1	49.7	50.8	52.6
250	31.4	32.8	33.6	45.9	47.3	48.1
500	28.3	30.5	31.3	42.8	45.0	45.8
1000	16.8	18.5	20.5	31.3	33.0	35.0
2000	7.5	8.3	10.2	22.0	22.8	24.7
4000	6.0	6.5	8.1	20.5	21.0	22.6
8000	8.3	8.4	8.6	22.8	22.9	23.1



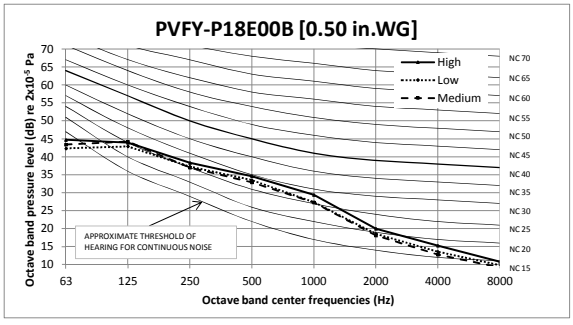
PVFY-P12E00B [0.40 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	43.1	40.3	40.7	57.6	54.8	55.2
125	41.8	41.4	41.8	56.3	55.9	56.3
250	35.9	35.9	36.4	50.4	50.4	50.9
500	31.8	31.9	32.7	46.3	46.4	47.2
1000	24.3	25.0	26.2	38.8	39.5	40.7
2000	12.7	13.9	15.8	27.2	28.4	30.3
4000	11.0	12.6	12.5	25.5	27.1	27.0
8000	9.0	8.9	9.1	23.5	23.4	23.6



PVFY-P12E00B [0.60 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	48.2	48.3	45.9	62.7	62.8	60.4
125	45.4	46.6	46.1	59.9	61.1	60.6
250	37.7	39.9	40.2	52.2	54.4	54.7
500	33.2	34.8	35.3	47.7	49.3	49.8
1000	29.2	31.1	30.7	43.7	45.6	45.2
2000	19.1	20.5	21.6	33.6	35.0	36.1
4000	14.8	17.3	18.6	29.3	31.8	33.1
8000	10.2	11.4	12.3	24.7	25.9	26.8



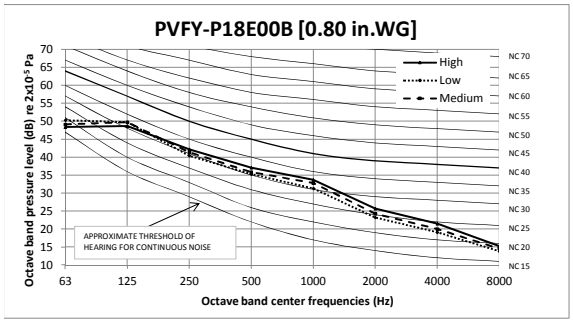
PVFY-P18E00B [0.30 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	39.7	38.7	41.4	54.2	53.2	55.9
125	39.9	39.1	41.4	54.4	53.6	55.9
250	34.7	34.0	35.8	49.2	48.5	50.3
500	31.5	31.8	32.5	46.0	46.3	47.0
1000	23.9	22.3	25.4	38.4	36.8	39.9
2000	13.0	12.0	15.1	27.5	26.5	29.6
4000	9.4	8.6	11.1	23.9	23.1	25.6
8000	8.6	8.5	8.9	23.1	23.0	23.4



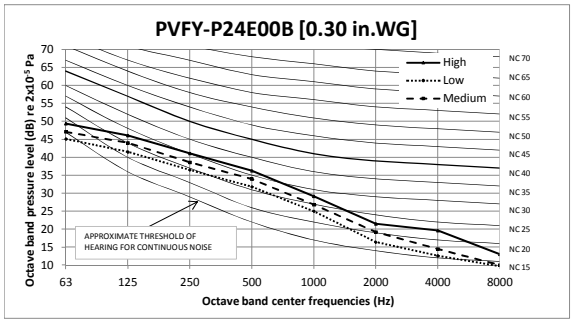
PVFY-P18E00B [0.50 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	42.3	43.4	44.7	56.8	57.9	59.2
125	42.9	44.2	43.9	57.4	58.7	58.4
250	37.3	37.0	38.3	51.8	51.5	52.8
500	33.5	32.9	34.6	48.0	47.4	49.1
1000	27.4	27.3	29.4	41.9	41.8	43.9
2000	18.6	18.1	20.0	33.1	32.6	34.5
4000	13.6	12.8	15.3	28.1	27.3	29.8
8000	9.8	9.2	10.8	24.3	23.7	25.3

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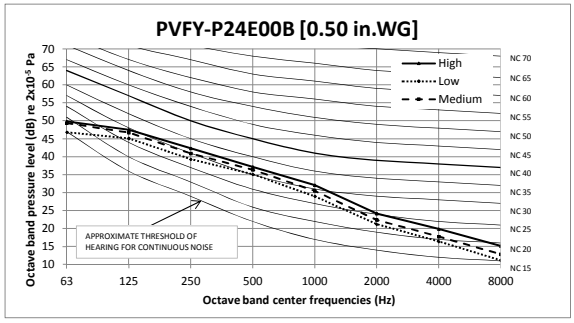
4.2 NC Curves



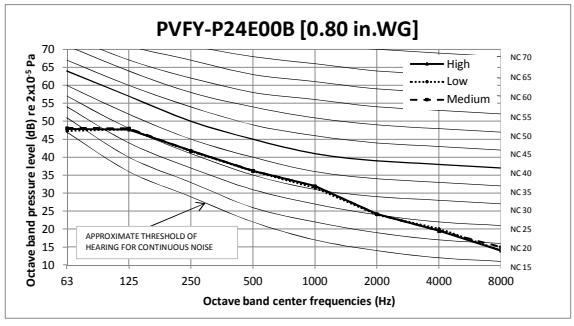
PVFY-P18E00B [0.80 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	50.3	49.1	48.4	64.8	63.6	62.9
125	49.7	49.7	48.7	64.2	64.2	63.2
250	40.4	41.4	42.2	54.9	55.9	56.7
500	35.3	35.8	37.1	49.8	50.3	51.6
1000	31.3	32.8	33.7	45.8	47.3	48.2
2000	23.2	24.3	25.7	37.7	38.8	40.2
4000	19.1	20.0	21.5	33.6	34.5	36.0
8000	13.8	14.6	15.3	28.3	29.1	29.8



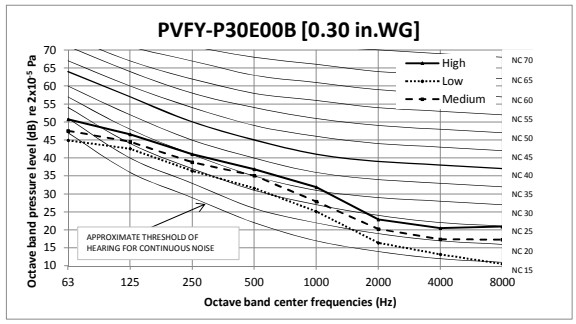
PVFY-P24E00B [0.30 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	45.1	47.1	49.4	59.6	61.6	63.9
125	41.5	44.0	46.1	56.0	58.5	60.6
250	36.5	38.6	41.1	51.0	53.1	55.6
500	31.8	34.0	36.3	46.3	48.5	50.8
1000	25.0	26.8	29.2	39.5	41.3	43.7
2000	16.4	19.2	21.5	30.9	33.7	36.0
4000	12.6	14.5	19.6	27.1	29.0	34.1
8000	9.7	10.0	13.0	24.2	24.5	27.5



PVFY-P24E00B [0.50 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	46.8	49.4	49.8	61.3	63.9	64.3
125	45.1	46.7	47.5	59.6	61.2	62.0
250	39.3	40.9	42.3	53.8	55.4	56.8
500	35.1	36.4	37.2	49.6	50.9	51.7
1000	29.0	30.5	32.1	43.5	45.0	46.6
2000	21.2	22.4	24.2	35.7	36.9	38.7
4000	16.4	17.8	19.9	30.9	32.3	34.4
8000	11.2	12.9	15.2	25.7	27.4	29.7



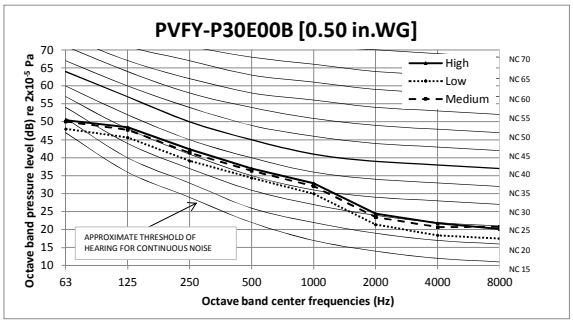
PVFY-P24E00B [0.80 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	47.3	48.1	47.9	61.8	62.6	62.4
125	47.8	48.0	47.7	62.3	62.5	62.2
250	41.6	41.7	41.8	56.1	56.2	56.3
500	36.1	36.3	36.2	50.6	50.8	50.7
1000	31.5	31.9	32.0	46.0	46.4	46.5
2000	24.0	24.2	24.2	38.5	38.7	38.7
4000	20.1	19.5	19.5	34.6	34.0	34.0
8000	14.0	15.0	14.0	28.5	29.5	28.5



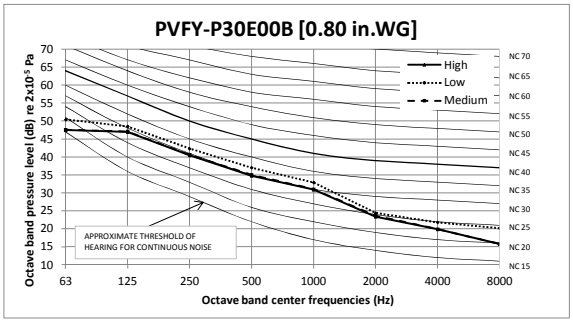
PVFY-P30E00B [0.30 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	44.9	47.5	50.7	59.4	62.0	65.2
125	42.6	44.5	46.6	57.1	59.0	61.1
250	36.4	38.8	41.0	50.9	53.3	55.5
500	31.6	35.1	36.9	46.1	49.6	51.4
1000	25.1	27.9	31.9	39.6	42.4	46.4
2000	16.4	20.2	22.9	30.9	34.7	37.4
4000	13.2	17.4	20.5	27.7	31.9	35.0
8000	10.5	17.3	20.9	25.0	31.8	35.4

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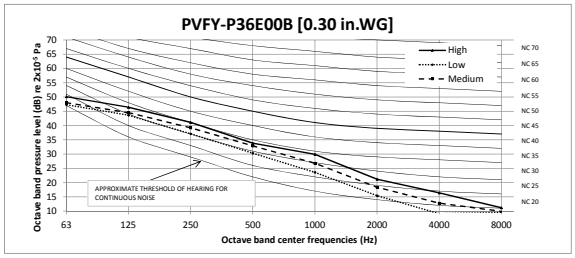
4.2 NC Curves



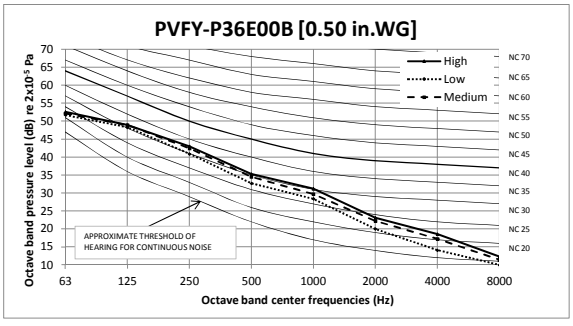
PVFY-P30E00B [0.50 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	48.0	50.1	50.4	62.5	64.6	64.9
125	45.6	47.8	48.5	60.1	62.3	63.0
250	39.1	41.4	42.3	53.6	55.9	56.8
500	34.4	36.4	37.0	48.9	50.9	51.5
1000	30.0	32.1	32.9	44.5	46.6	47.4
2000	21.4	23.5	24.4	35.9	38.0	38.9
4000	18.4	20.7	21.8	32.9	35.2	36.3
8000	17.5	20.8	20.2	32.0	35.3	34.7



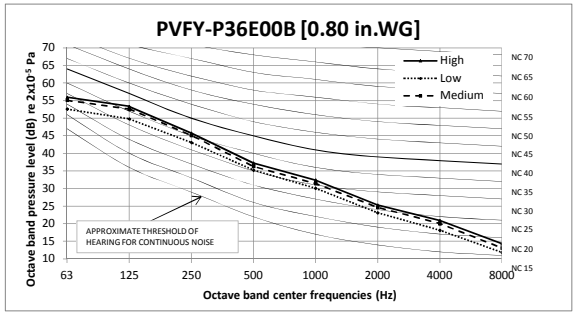
PVFY-P30E00B [0.80 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	50.4	47.6	47.5	64.9	62.1	62.0
125	48.5	47.1	47.0	63.0	61.6	61.5
250	42.3	40.6	40.5	56.8	55.1	55.0
500	37.0	35.0	34.8	51.5	49.5	49.3
1000	32.9	31.0	30.9	47.4	45.5	45.4
2000	24.4	23.6	23.4	38.9	38.1	37.9
4000	21.8	19.9	19.9	36.3	34.4	34.4
8000	20.2	15.8	15.8	34.7	30.3	30.3



PVFY-P36E00B [0.30 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	47.3	48.0	50.1	61.8	62.5	64.6
125	43.6	44.5	46.4	58.1	59.0	60.9
250	37.1	39.2	41.1	51.6	53.7	55.6
500	30.3	32.9	33.8	44.8	47.4	48.3
1000	23.6	26.8	29.9	39.1	41.3	44.4
2000	15.4	18.4	21.2	29.9	32.9	35.7
4000	9.1	12.8	16.4	23.6	27.3	30.9
8000	9.5	9.9	11.2	24.0	24.4	25.7



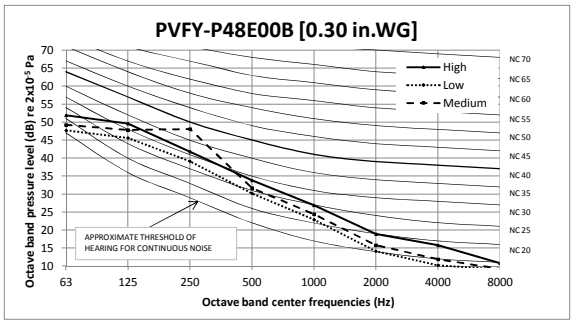
PVFY-P36E00B [0.50 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	51.7	52.1	52.6	66.2	66.6	67.1
125	48.3	48.9	48.9	62.8	63.4	63.4
250	40.9	42.4	43.0	55.4	56.9	57.5
500	32.7	34.5	35.3	47.2	49.0	49.8
1000	28.4	29.7	31.2	42.9	44.2	45.7
2000	20.0	22.2	23.1	34.5	36.7	37.6
4000	14.1	17.2	18.6	28.6	31.7	33.1
8000	10.0	11.4	12.3	24.5	25.9	26.8



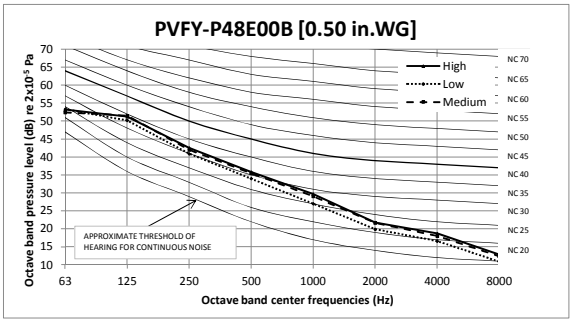
PVFY-P36E00B [0.80 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	52.6	55.1	55.9	67.1	69.6	70.4
125	49.8	52.6	53.3	64.3	67.1	67.8
250	43.1	45.1	45.7	57.6	59.6	60.2
500	35.2	36.3	37.2	49.7	50.8	51.7
1000	30.1	31.4	32.4	44.6	45.9	46.9
2000	23.1	24.6	25.3	37.6	39.1	39.8
4000	18.1	20.0	20.9	32.6	34.5	35.4
8000	11.8	13.1	14.3	26.3	27.6	28.8

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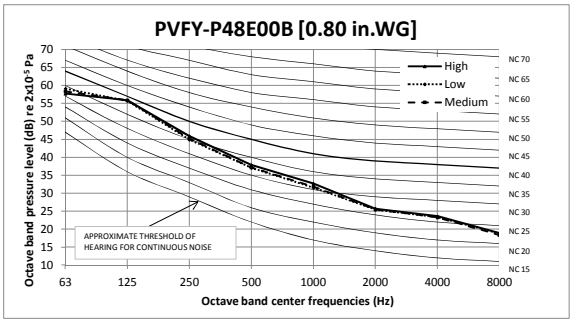
4.2 NC Curves



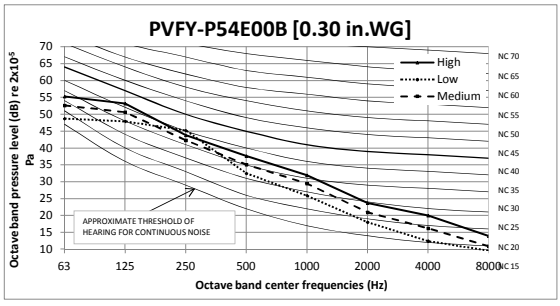
PVFY-P48E00B [0.30 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	47.7	49.2	51.9	62.2	63.7	66.4
125	45.6	47.8	49.6	60.1	62.3	64.1
250	39.1	48.1	41.8	53.6	62.6	56.3
500	30.2	31.7	33.8	44.7	46.2	48.3
1000	22.9	24.4	26.9	37.4	38.9	41.4
2000	14.1	15.8	18.9	28.6	30.3	33.4
4000	10.2	11.9	15.8	24.7	26.4	30.3
8000	9.0	9.2	10.8	23.5	23.7	25.3



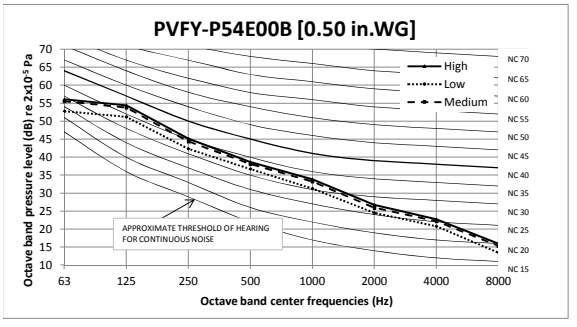
PVFY-P48E00B [0.50 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	53.3	52.4	53.2	67.8	66.9	67.7
125	50.2	51.5	51.2	64.7	66.0	65.7
250	40.9	42.0	42.5	55.4	56.5	57.0
500	34.0	35.5	35.8	48.5	50.0	50.3
1000	27.0	29.1	29.7	41.5	43.6	44.2
2000	19.9	21.7	21.8	34.4	36.2	36.3
4000	16.6	18.0	18.7	31.1	32.5	33.2
8000	10.9	12.4	12.9	25.4	26.9	27.4



PVFY-P48E00B [0.80 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	59.1	58.4	57.7	73.6	72.9	72.2
125	55.7	55.9	55.9	70.2	70.4	70.4
250	44.9	45.2	45.9	59.4	59.7	60.4
500	37.1	37.2	37.9	51.6	51.7	52.4
1000	31.6	31.8	32.7	46.1	46.3	47.2
2000	25.4	25.5	25.7	39.9	40.0	40.4
4000	23.4	23.3	23.6	37.9	37.8	38.1
8000	18.8	18.4	18.9	33.3	32.9	33.4



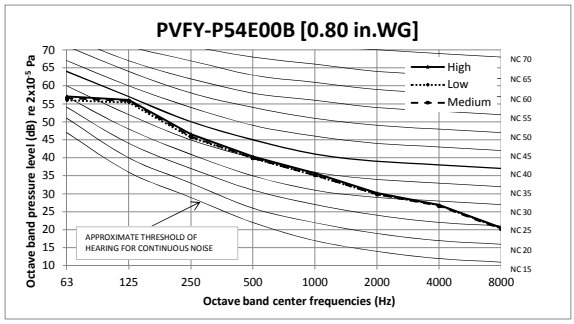
PVFY-P54E00B [0.30 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	48.7	52.6	55.3	63.2	67.1	69.8
125	47.9	50.6	53.2	62.4	65.1	67.7
250	45.2	42.3	43.8	59.7	56.8	58.3
500	32.5	35.1	37.6	47.0	49.6	52.1
1000	25.9	29.5	31.9	40.4	44.0	46.4
2000	18.0	20.9	23.7	32.5	35.4	38.2
4000	12.4	16.2	20.0	26.9	30.7	34.5
8000	9.6	10.9	13.9	24.1	25.4	28.4



PVFY-P54E00B [0.50 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	52.8	55.5	56.1	67.3	70.0	70.6
125	51.2	53.8	54.4	65.7	68.3	68.9
250	42.3	44.3	45.1	56.8	58.8	59.6
500	36.7	38.1	38.6	51.2	52.6	53.1
1000	31.3	33.2	33.8	45.8	47.7	48.3
2000	24.5	25.9	26.7	39.0	40.4	41.2
4000	20.8	22.2	22.7	35.3	36.7	37.2
8000	13.5	15.3	16.0	28.0	29.8	30.5

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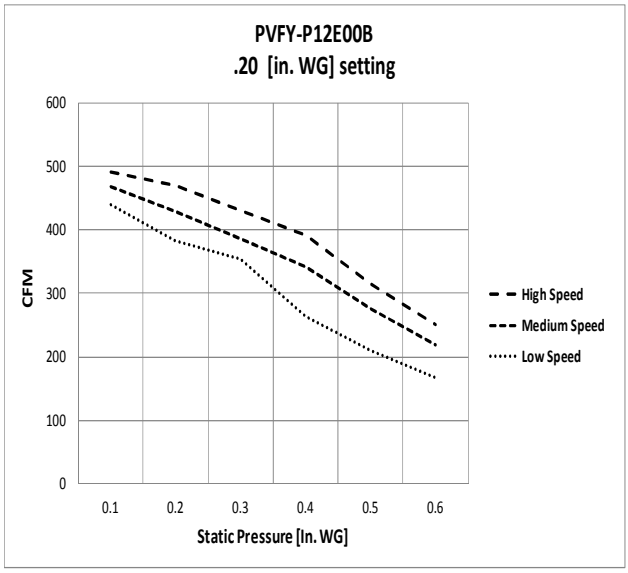
4.2 NC Curves

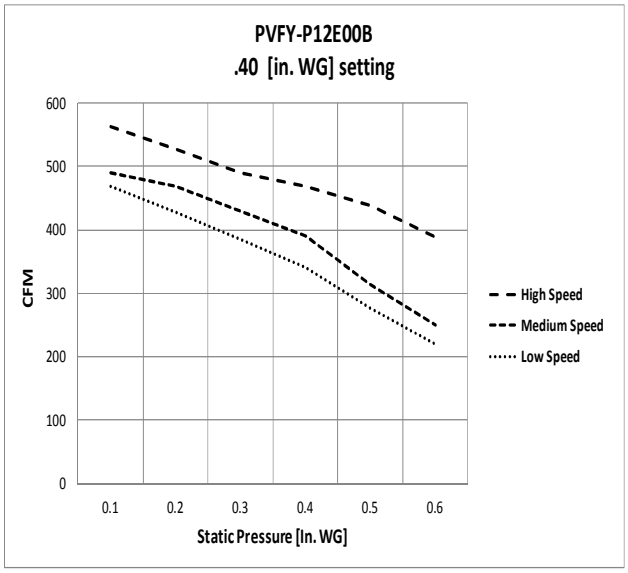


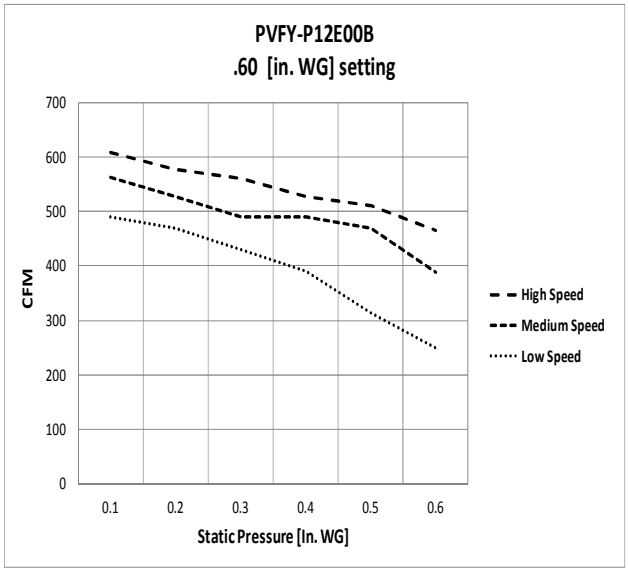
PVFY-P12E00B [0.20 in.WG]						
Frequency (Hz)	Sound Pressure dB(A) re $2x10^{-5}$ Pa			Sound Power dB(A) re 10^{-12} Watt		
	Low	Medium	High	Low	Medium	High
63	36.6	37.3	38.7	51.1	51.8	53.2
125	35.2	36.3	38.1	49.7	50.8	52.6
250	31.4	32.8	33.6	45.9	47.3	48.1
500	28.3	30.5	31.3	42.8	45.0	45.8
1000	16.8	18.5	20.5	31.3	33.0	35.0
2000	7.5	8.3	10.2	22.0	22.8	24.7
4000	6.0	6.5	8.1	20.5	21.0	22.6
8000	8.3	8.4	8.6	22.8	22.9	23.1

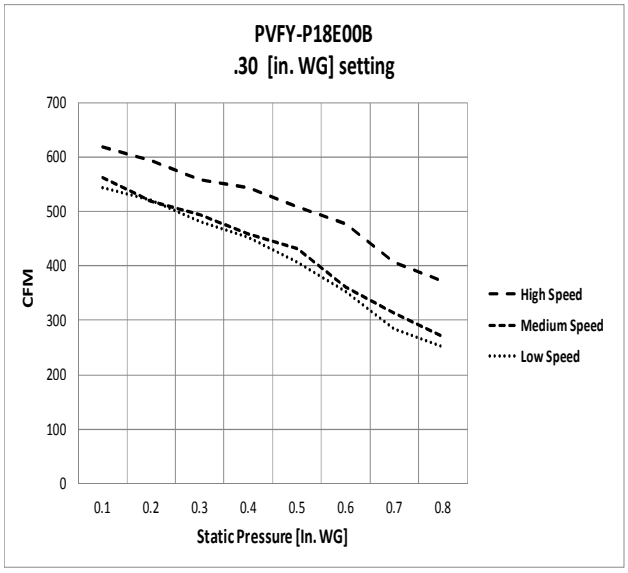
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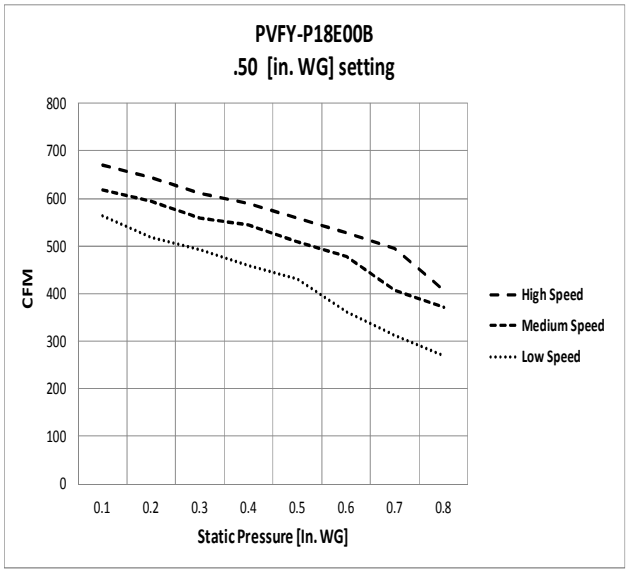
5. FAN CHARACTERISTIC CURVES

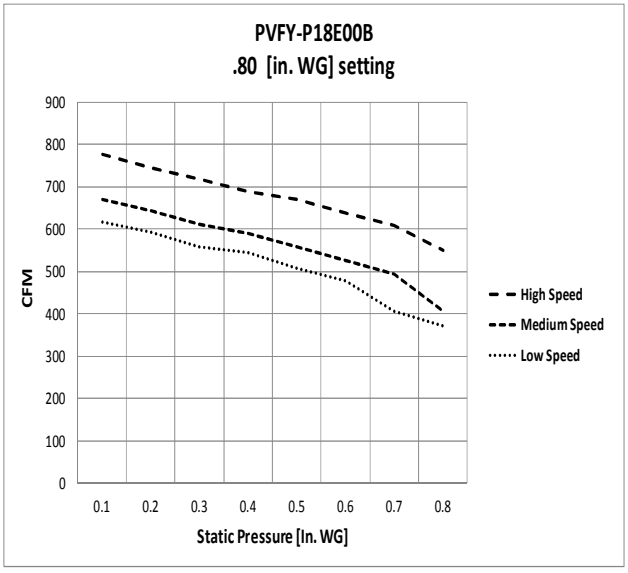






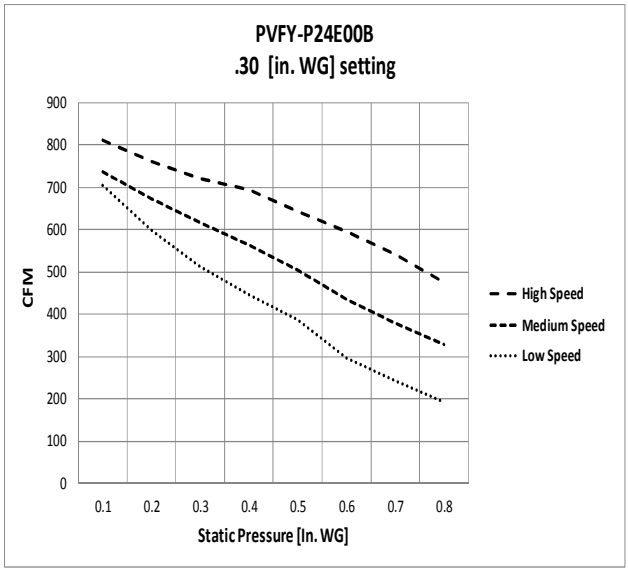


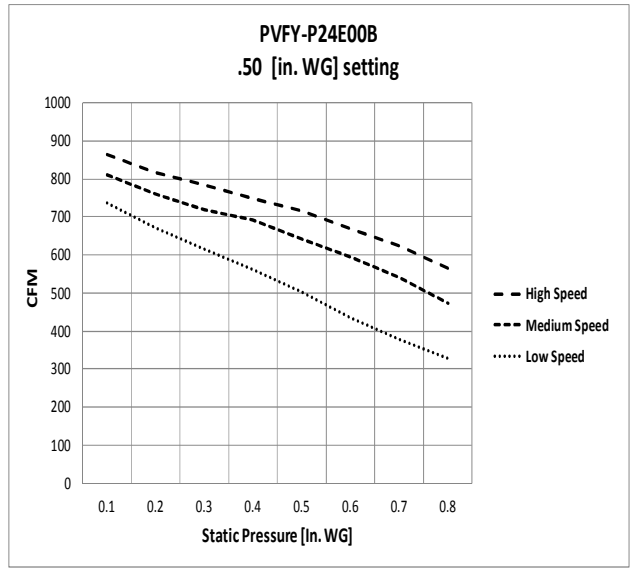


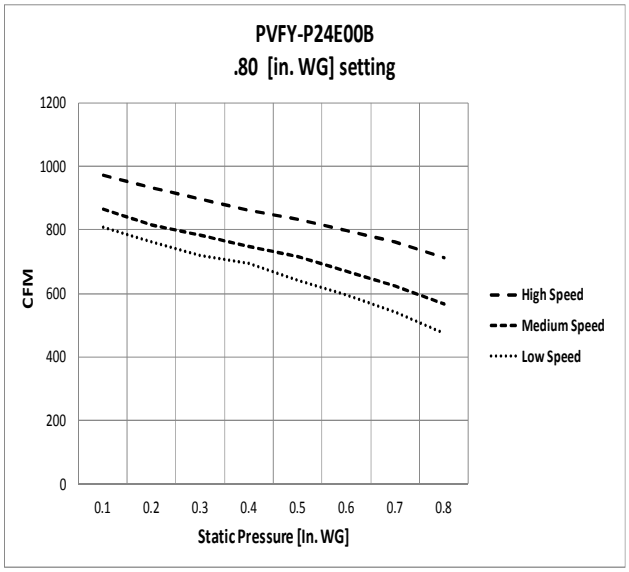


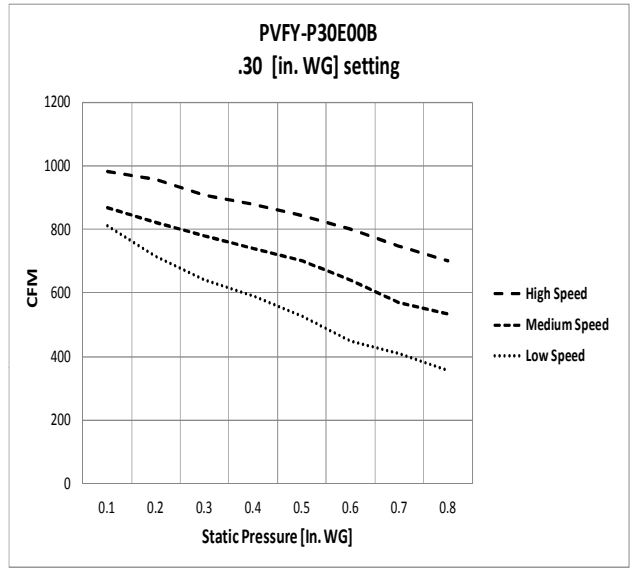
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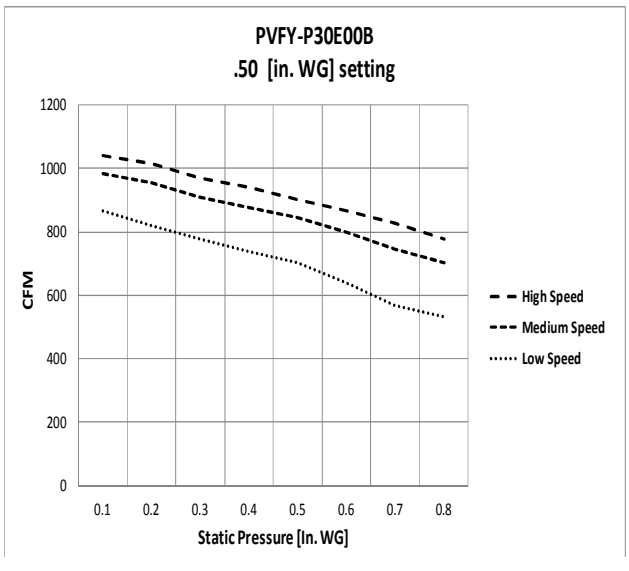
5. FAN CHARACTERISTIC CURVES

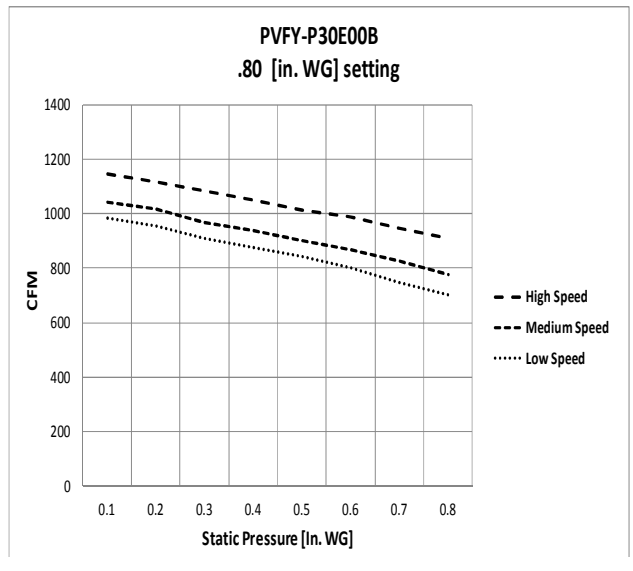






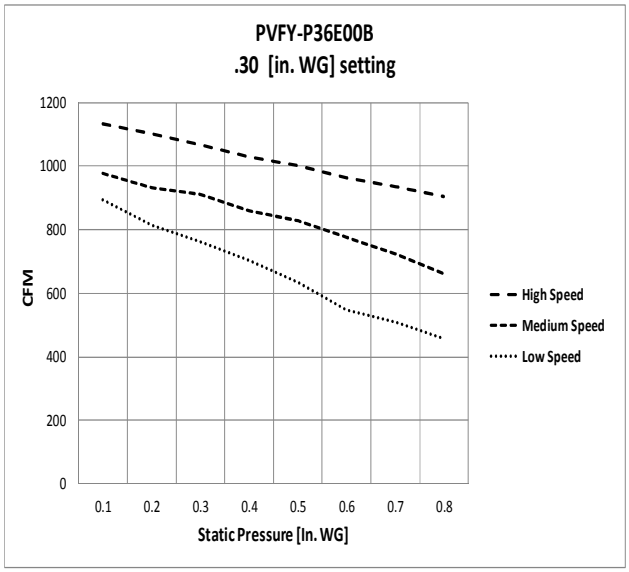


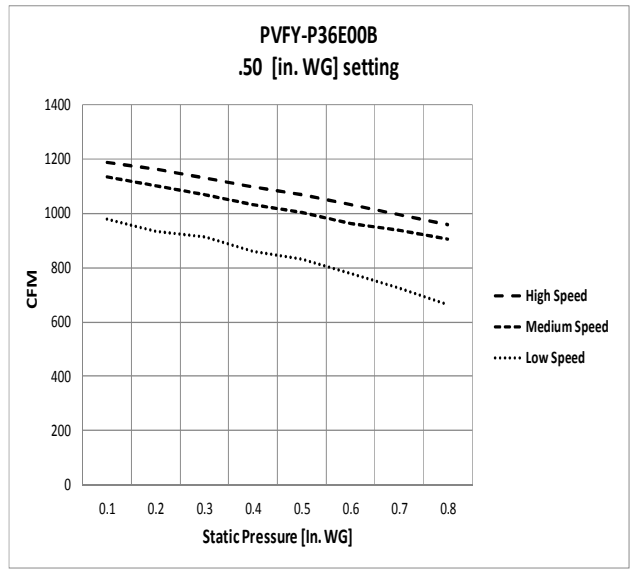


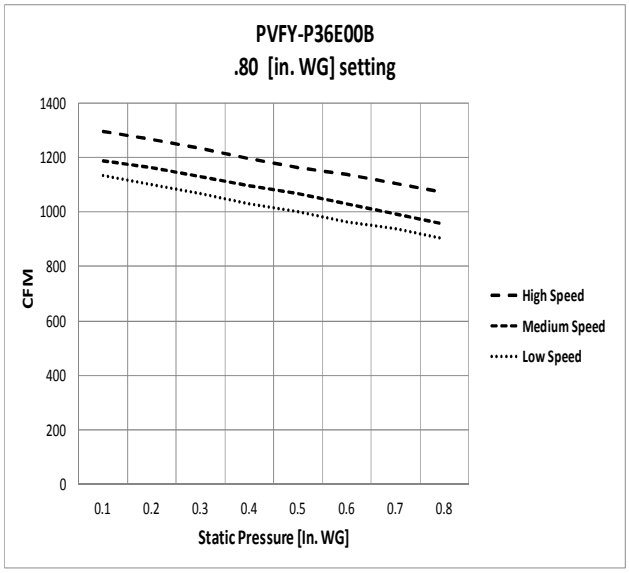


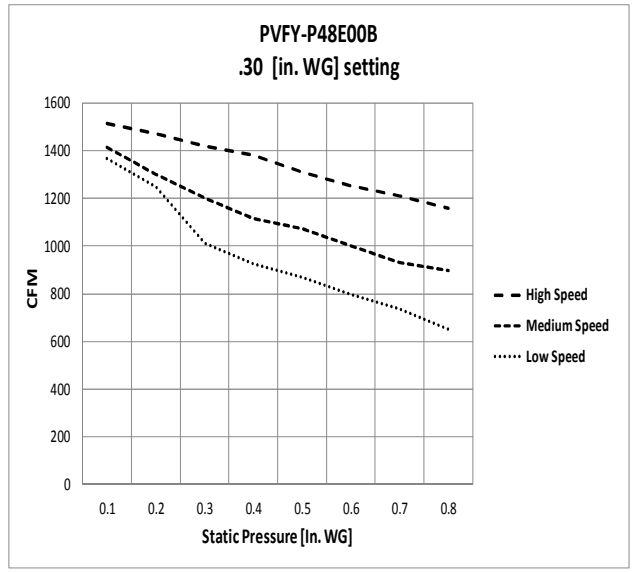
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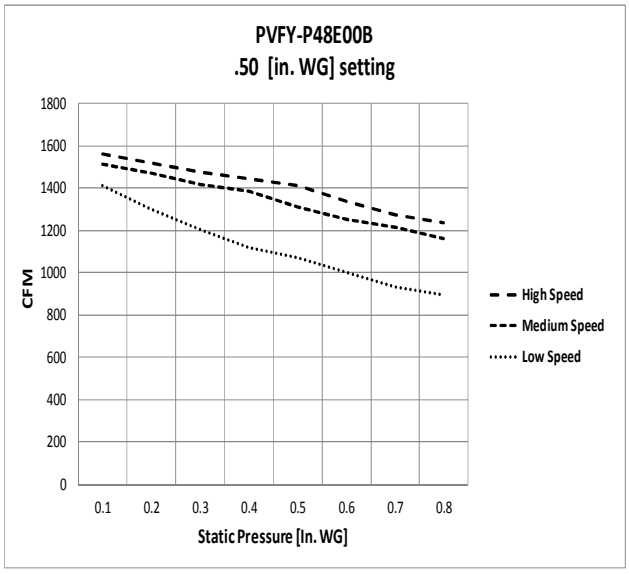
5. FAN CHARACTERISTIC CURVES

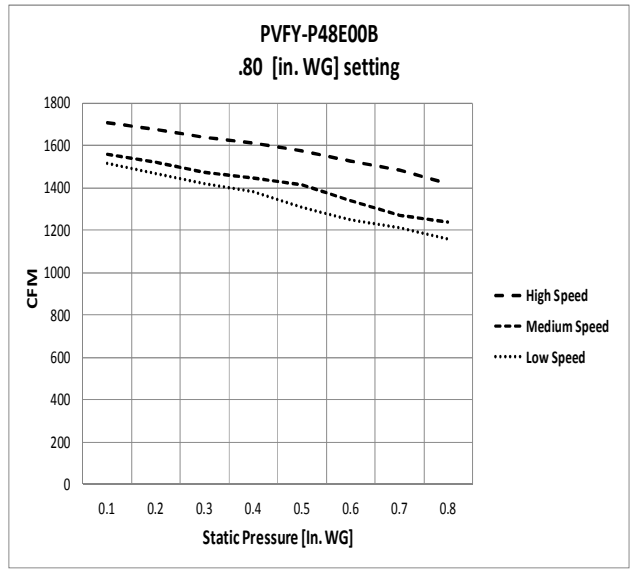






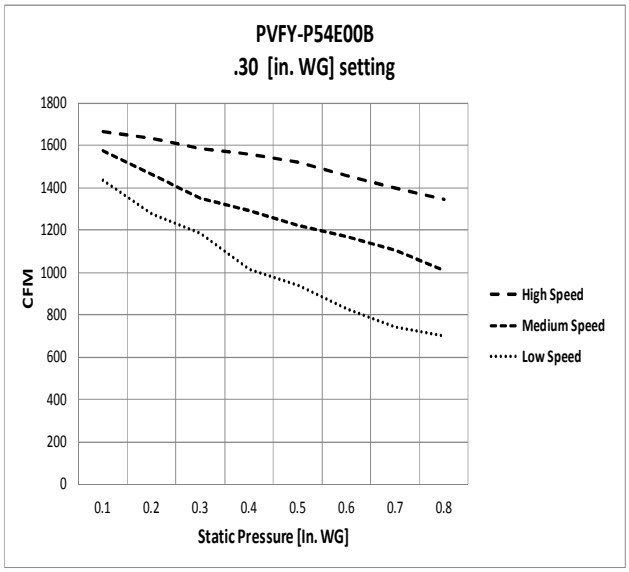


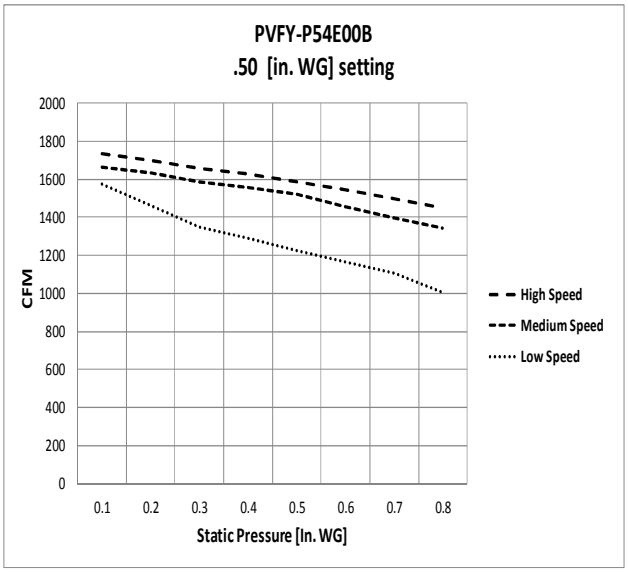


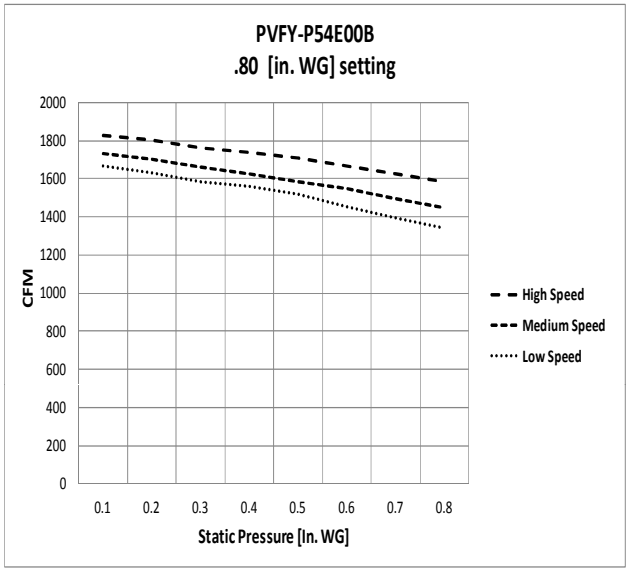


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5. FAN CHARACTERISTIC CURVES







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6. OPTIONAL PARTS

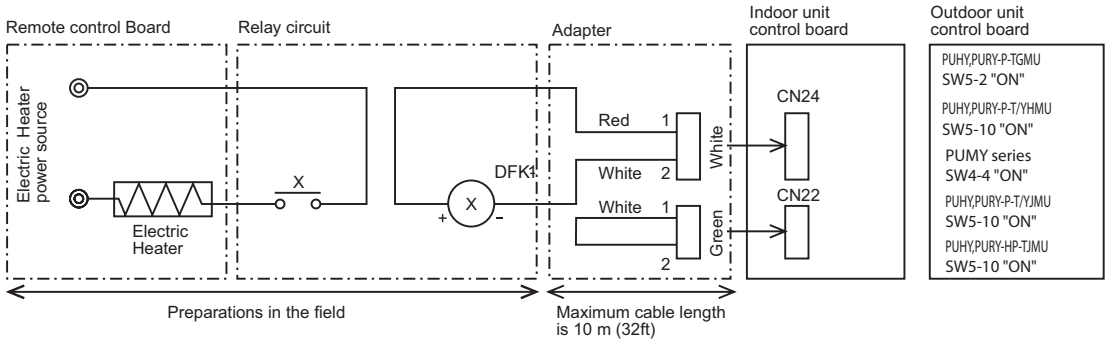
6-1. Optional Parts Line Up for the Indoor Unit

	External heater adapter	Downflow Conversion Kits
PVFY-P12,18,24E00B	CN24RELAY-KIT-CM3	DFK-1
PVFY-P30,36E00B	CN24RELAY-KIT-CM3	DFK-2
PVFY-P48,54E00B	CN24RELAY-KIT-CM3	DFK-3

6-2. External Heat Adapter CN24RELAY-KIT-CM3

External heater adaptor CN24RELAY-KIT-CM3 is a set of special wiring parts for controlling the electric heater* with the air conditioner system.
*The electric heater should be designed and prepared at the site.

A basic connection method is shown as follows:(For details, refer to its Installation Manual.)

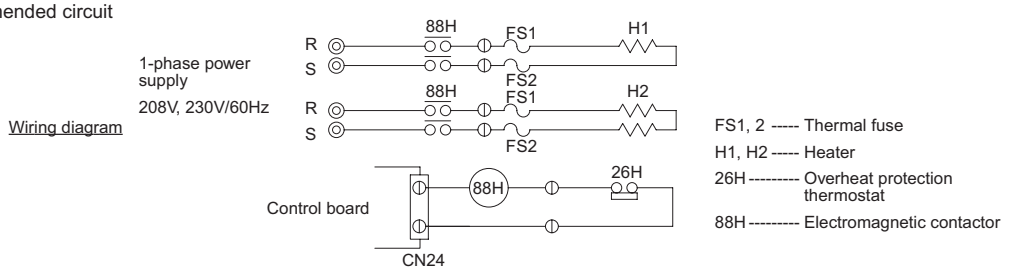


For relay X use the specifications given below Operation coil
- Rated voltage : 12VDC
- Power consumption : 0.9W or less

The length of the electrical wiring for the CN24RELAY-KIT-CM3 is 2 meters (6-1/2 ft)
To extend this length, use sheathed 2-core cable.
- Control cable type : CVV, CVS, CPEV or equivalent.
- Cable size : 0.5 mm^2 ~ 1.25 mm^2 (16 to 22 AWG)
- Don't extend the cable more than 10 meters (32ft)

Recommended circuit

Wiring diagram



Item	① External output cable	② Fan speed setting cable with resistance	
Quantity	2	2	
Shape			

Refer to the Installation Manual for wiring and installation details.

6-3. DFK Series Downflow Conversion Kits

Converts CITY MULTI PVFY vertical air handlers to a downflow configuration.

Return Plate Model	Description	Carton Dimensions	Shipping Weight
DFK-1	Downflow Kit P12, P18, P24	20” (L) x 20” (W) x 2” (H)	8 lbs.
DFK-2	Downflow Kit P30, P36	22” (L) x 24” (W) x 2” (H)	10 lbs.
DFK-3	Downflow Kit P48, P54	25” (L) x 32” (W) x 2” (H)	13 lbs.

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