



VARIABLE REFRIGERANT FLOW SYSTEMS

VRF V33A

Standard/High Efficiency 360° Cassette Indoor Models - 60HZ

Bulletin No. 210693

April 2016

Supersedes November 2015

PRODUCT SPECIFICATIONS

Low-sound, standard or high efficiency cassette, encased in galvanized steel offers 360° airflow for immediate, equal distribution of wide-range cooling and heating. Cassette has motor-driven dual swing louvers and installs in standard ceilings.



APPROVALS

- Units are ETL certified for the U.S. and Canada.

WARRANTY

- Components** - Limited ten years for qualifying installations. See Warranty Certificate for details.

FEATURES

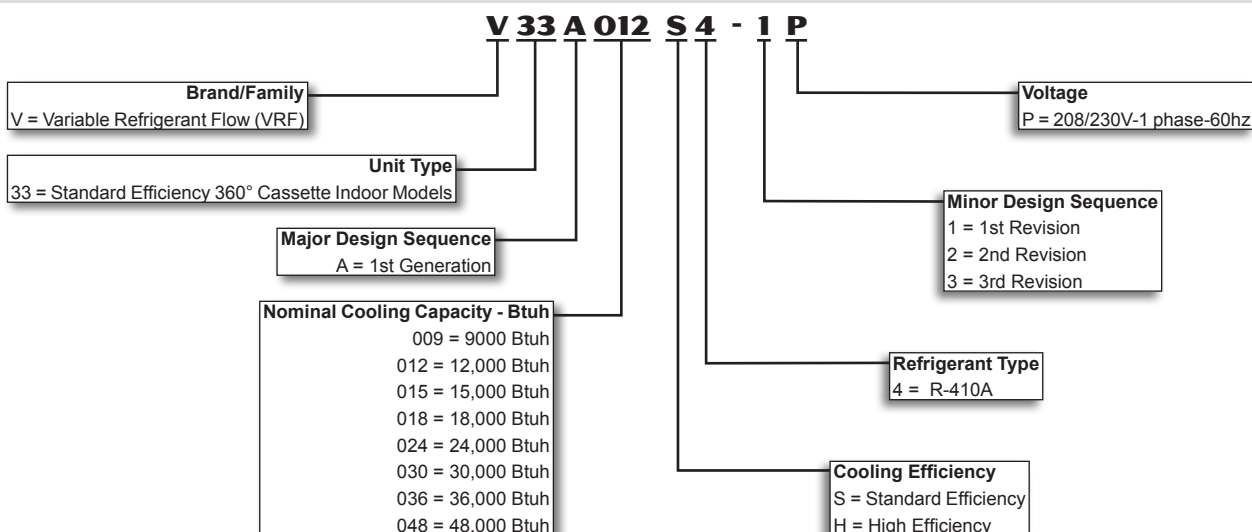
- 360° Airflow Panel** - Allows for even, wide-range cooling and heating.
- Pre-Heat Function** - Delays the operation of the fan until the indoor coil has reached a pre-determined temperature which prevents the discharge of cold air while the system is operating in the "heating" mode.
- LED Readout/Infrared Receiver Panel** - Mounted on unit. LEDs display unit operation status, and codes for maintenance and servicing. Infrared receiver for use with a wireless remote control (not furnished).
- Unit Addressing (Heat Pump Systems Only)** - An optional wireless remote control (not furnished) can be used to inquire and modify each indoor unit's address.

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- Auto Restart** - Automatically restores the previous function setting if power is interrupted.
- Built-In Condensate Pump** - Maximum lift - 28 inch lift.
- Electronic Expansion Valve** - Assures optimal performance throughout the application range.
- Flare Connections** - Equipped with liquid and gas flare fittings for quick and secure piping.
- Turbo Fan With Backward Curved Blades** - Reduces sound levels and air resistance.
- Four-Stage Fan Speed (Standard Efficiency PSC Motor)** - Fan functions at four levels: low, medium, high and super-high. Super-high speed is available with simple wiring change on main control board.
- Three-Stage Fan Speed (High Efficiency DC Motor)** - Fan functions at three levels: low, medium, high.
- Air Filter** - Cleanable air filter is furnished as standard.

MODEL NUMBER IDENTIFICATION



SPECIFICATIONS - STANDARD EFFICIENCY
009 - 018

General Data		Nominal kBtuh	9	12	15	18
		Model Number	V33A009S4	V33A012S4	V33A015S4	V33A018S4
		Efficiency	Standard	Standard	Standard	Standard
¹ Cooling Performance	Net Cooling Capacity - Btuh	9,000	12,000	15,000	19,000	
	Total Unit Power Input (W)	100	100	100	100	
	Rated current (A)	0.50	0.50	0.50	0.50	
¹ Heating Performance	Net Heating Capacity - Btuh	10,900	13,600	17,000	21,500	
	Total Unit Power Input (W)	100	100	100	100	
	Rated current (A)	0.50	0.50	0.50	0.50	
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A	
Indoor fan motor	Input - W	80.3	80.3	95.1	95.1	
Indoor coil	Number of rows	1	1	2	2	
	Fin spacing - in.	1/16	1/16	1/16	1/16	
	Coil length x height x width - in.	76 x 6-5/8 x 1/2	76 x 6-5/8 x 1/2	77-1/4 x 6-5/8 x 1	77-1/4 x 6-5/8 x 1	
	Number of circuits	4	4	8	8	
	Tube outside diameter and type - in.	1/4 - Rifled Copper Tubing				
	Fin type	Hydrophilic Coated Aluminum				
	Expansion device type	Electronic Expansion Valve				
	Design Pressure (high / low)- psig	650 / 250				
Indoor Coil Connections	Liquid pipe o.d. - in. (flare)	1/4	1/4	1/4	3/8	
	Gas pipe o.d. - in. (flare)	1/2	1/2	1/2	5/8	
	Drain connection o.d. - in.	(1) 1-1/4	(1) 1-1/4	(1) 1-1/4	(1) 1-1/4	
Indoor Blower	Airflow (super high / high / medium / low) - cfm	680 / 499 / 451 / 377		710 / 509 / 444 / 387		
	Sound data (high / medium / low) dBA	42 / 37 / 32		43 / 38 / 34		
Control Wiring (AWG)		18/3 gauge (3-core shielded)				
Weight Data	Unit weight (net / shipping) - lbs.	51 / 64	51 / 64	55 / 68	55 / 68	
	Diffuser Panel weight (net / shipping) - lbs.	11 / 18	11 / 18	11 / 18	11 / 18	

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V
² Maximum overcurrent protection (amps)		15	15	15	15
³ Minimum circuit ampacity		0.6	0.6	0.6	0.6
Indoor Blower Motor - Full load amps		0.45	0.45	0.45	0.45

¹ Nominal capacities are based on the following conditions (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.
- Heating Ratings - 47°F db/43°F wb outdoor air temperature and 70°F db entering indoor coil air.

² HACR type circuit breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS - STANDARD EFFICIENCY
024 - 048

General Data		Nominal kBtuh	24	30	36	48
		Model Number	V33A024S4	V33A030S4	V33A036S4	V33A048S4
		Efficiency	Standard	Standard	Standard	Standard
¹ Cooling Performance	Net Cooling Capacity - Btuh		24,000	30,000	38,000	48,000
	Total Unit Power Input (W)		115	180	180	220
	Rated current (A)		0.55	0.85	0.85	1.0
¹ Heating Performance	Net Heating Capacity - Btuh		27,300	34,000	42,000	51,200
	Total Unit Power Input (W)		115	180	180	220
	Rated current (A)		0.55	0.85	0.85	1.0
Refrigerant		Type	R-410A	R-410A	R-410A	R-410A
Indoor fan motor		Input - W	113.3	201	201	218
Indoor coil	Number of rows		2	2	2	3
	Fin spacing - in.		1/16	1/16	1/16	1/16
	Coil length x height x width - in.		77-1/4 x 6-5/8 x 1	77 x 10 x 1	77 x 10 x 1	79-1/8 x 10 x 1-1/2
	Number of circuits		8	8	8	12
	Tube outside diameter and type - in.		1/4 - Rifled Copper Tubing			
	Fin type		Hydrophilic Coated Aluminum			
	Expansion device type		Electronic Expansion Valve			
		Design Pressure (high / low)- psig	650 / 250			
Indoor Coil Connections	Liquid pipe o.d. - in. (flare)		3/8	3/8	3/8	3/8
	Gas pipe o.d. - in. (flare)		5/8	5/8	5/8	5/8
	Drain connection o.d. - in.		(1) 1-1/4	(1) 1-1/4	(1) 1-1/4	(1) 1-1/4
Indoor Blower	Airflow (super high/high/medium/low) - cfm		781/681/562/441	1057/936/765/642	1057/936/765/642	1107/988/799/656
	Sound data (high / medium / low) dBA		45 / 39 / 34	47 / 41 / 36	47 / 41 / 36	50 / 45 / 35
Control Wiring (AWG)			18/3 gauge (3-core shielded)			
Weight Data	Unit weight (net / gross) - lbs.		55 / 68	65 / 80	65 / 80	70 / 85
	Diffuser Panel weight (net / gross) - lbs.		11 / 18	11 / 18	11 / 18	11 / 18

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V
² Maximum overcurrent protection (amps)		15	15	15	15
³ Minimum circuit ampacity		0.7	1.0	1.0	1.2
Indoor Blower Motor - Full load amps		0.5	0.8	0.8	0.96

¹ Nominal capacities are based on the following conditions (with 25 ft. of connecting refrigerant lines);

• Cooling Ratings - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.

• Heating Ratings - 47°F db/43°F wb outdoor air temperature and 70°F db entering indoor coil air.

² HACR type circuit breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS - HIGH EFFICIENCY
009 - 018

General Data		Nominal kBtuh	9	12	15	18
		Model Number	V33A009H4	V33A012H4	V33A015H4	V33A018H4
		Efficiency	High	High	High	High
¹ Cooling Performance	Net Cooling Capacity - Btuh	9,000	12,000	15,000	19,000	
	Total Unit Power Input (W)	55	55	55	55	
	Rated current (A)	0.55	0.55	0.55	0.55	
¹ Heating Performance	Net Heating Capacity - Btuh	10,900	13,600	17,000	21,500	
	Total Unit Power Input (W)	55	55	55	48	
	Rated current (A)	0.55	0.55	0.55	0.55	
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A	
Indoor fan motor	Input - W	55	55	55	55	
Indoor coil	Number of rows	1	1	2	2	
	Fin spacing - in.	1/16	1/16	1/16	1/16	
	Coil length x height x width - in.	76 x 6-5/8 x 1/2	76 x 6-5/8 x 1/2	77-1/4 x 6-5/8 x 1	77-1/4 x 6-5/8 x 1	
	Number of circuits	4	4	8	8	
	Tube outside diameter and type - in.	1/4 - Rifled Copper Tubing				
	Fin type	Hydrophilic Coated Aluminum				
	Expansion device type	Electronic Expansion Valve				
	Design Pressure (high / low)- psig	650 / 250				
Indoor Coil Connections	Liquid pipe o.d. - in. (flare)	1/4	1/4	1/4	3/8	
	Gas pipe o.d. - in. (flare)	1/2	1/2	1/2	5/8	
	Drain connection o.d. - in.	(1) 1-1/4	(1) 1-1/4	(1) 1-1/4	(1) 1-1/4	
Indoor Blower	Airflow (super high / high / medium / low) - cfm	578 / 490 / 398		606 / 504 / 414		
	Sound data (high / medium / low) dBA	42 / 37 / 32		43 / 38 / 34		
Control Wiring (AWG)		18/3 gauge (3-core shielded)				
Weight Data	Unit weight (net / shipping) - lbs.	49 / 64	49 / 64	53 / 66	53 / 66	
	Diffuser Panel weight (net / shipping) - lbs.	11 / 18	11 / 18	11 / 18	11 / 18	

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V
² Maximum overcurrent protection (amps)		15	15	15	15
³ Minimum circuit ampacity		0.7	0.7	0.7	0.7
Indoor Blower Motor - Full load amps		0.5	0.5	0.5	0.5

¹ Nominal capacities are based on the following conditions (with 25 ft. of connecting refrigerant lines);

- Cooling Ratings - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.
- Heating Ratings - 47°F db/43°F wb outdoor air temperature and 70°F db entering indoor coil air.

² HACR type circuit breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS - HIGH EFFICIENCY
024 - 048

General Data		Nominal kBtuh	24	30	36	48
		Model Number	V33A024H4	V33A030H4	V33A036H4	V33A048H4
		Efficiency	High	High	High	High
¹ Cooling Performance	Net Cooling Capacity - Btuh		24,000	30,000	36,000	48,000
	Total Unit Power Input (W)		60	120	120	135
	Rated current (A)		0.65	1.05	1.05	1.15
¹ Heating Performance	Net Heating Capacity - Btuh		27,300	34,000	40,000	51,200
	Total Unit Power Input (W)		60	120	120	135
	Rated current (A)		0.65	1.05	1.05	1.15
Refrigerant		Type	R-410A	R-410A	R-410A	R-410A
Indoor fan motor		Input - W	55	109	109	109
Indoor coil	Number of rows		2	2	2	3
	Fin spacing - in.		1/16	1/16	1/16	1/16
	Coil length x height x width - in.		77-1/4 x 6-5/8 x 1	77 x 10 x 1	77 x 10 x 1	79-1/8 x 10 x 1-1/2
	Number of circuits		8	8	8	12
	Tube outside diameter and type - in.		1/4 - Rifled Copper Tubing			
	Fin type		Hydrophilic Coated Aluminum			
	Expansion device type		Electronic Expansion Valve			
		Design Pressure (high / low)- psig	650 / 250			
Indoor Coil Connections	Liquid pipe o.d. - in. (flare)		3/8	3/8	3/8	3/8
	Gas pipe o.d. - in. (flare)		5/8	5/8	5/8	5/8
	Drain connection o.d. - in.		(1) 1-1/4	(1) 1-1/4	(1) 1-1/4	(1) 1-1/4
Indoor Blower	Airflow (super high/high/medium/low) - cfm		706 / 586 / 440	939 / 729 / 609	939 / 729 / 609	1017 / 839 / 720
	Sound data (high / medium / low) dBA		45 / 39 / 34	47 / 41 / 36	47 / 41 / 36	50 / 45 / 35
Control Wiring (AWG)			18/3 gauge (3-core shielded)			
Weight Data	Unit weight (net / gross) - lbs.		53 / 66	62 / 77	62 / 77	66 / 82
	Diffuser Panel weight (net / gross) - lbs.		11 / 18	11 / 18	11 / 18	11 / 18

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V
² Maximum overcurrent protection (amps)		15	15	15	15
³ Minimum circuit ampacity		0.8	1.4	1.4	1.4
Indoor Blower Motor - Full load amps		0.6	1.0	1.0	1.1

¹ Nominal capacities are based on the following conditions (with 25 ft. of connecting refrigerant lines);

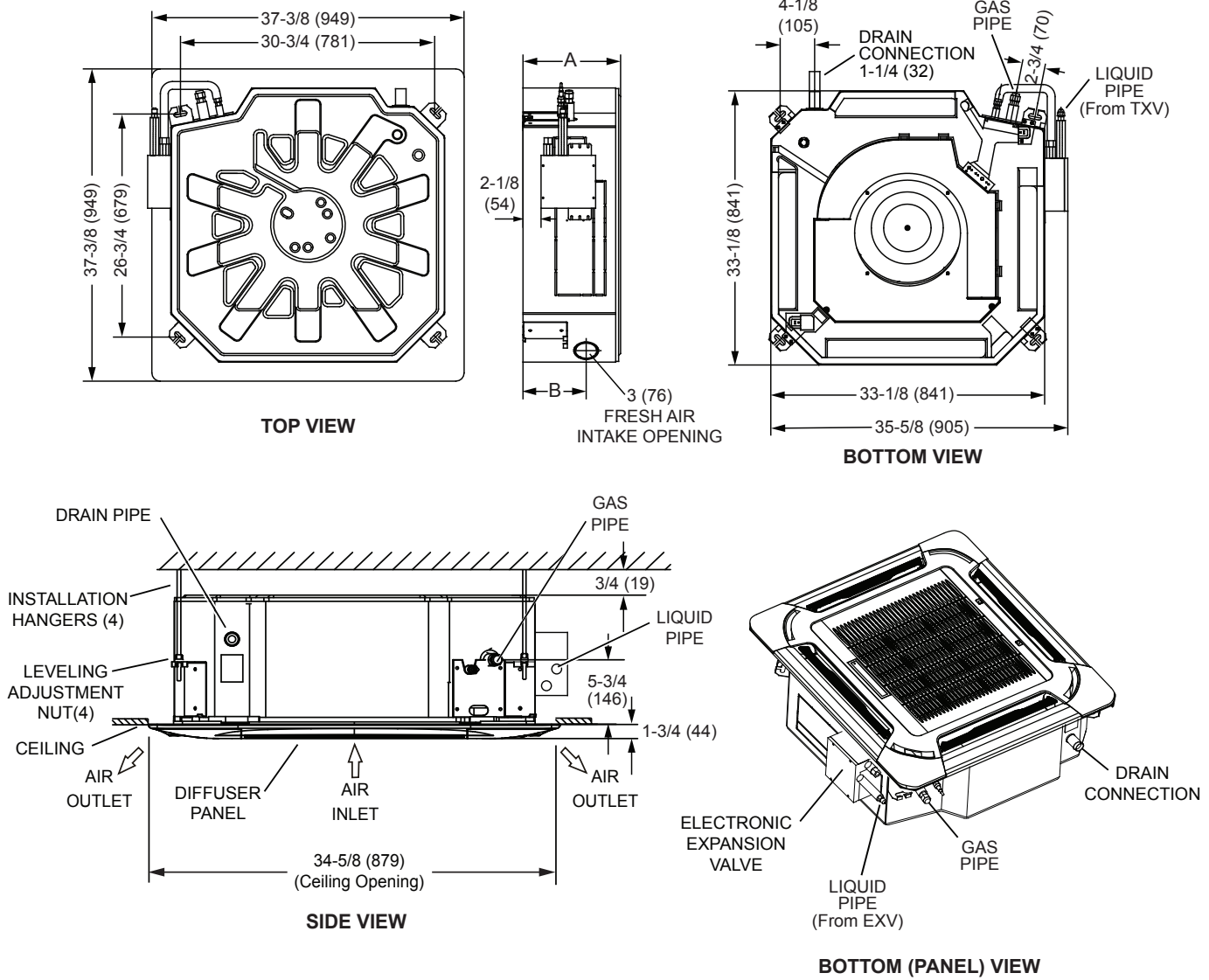
• Cooling Ratings - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.

• Heating Ratings - 47°F db/43°F wb outdoor air temperature and 70°F db entering indoor coil air.

² HACR type circuit breaker or fuse.

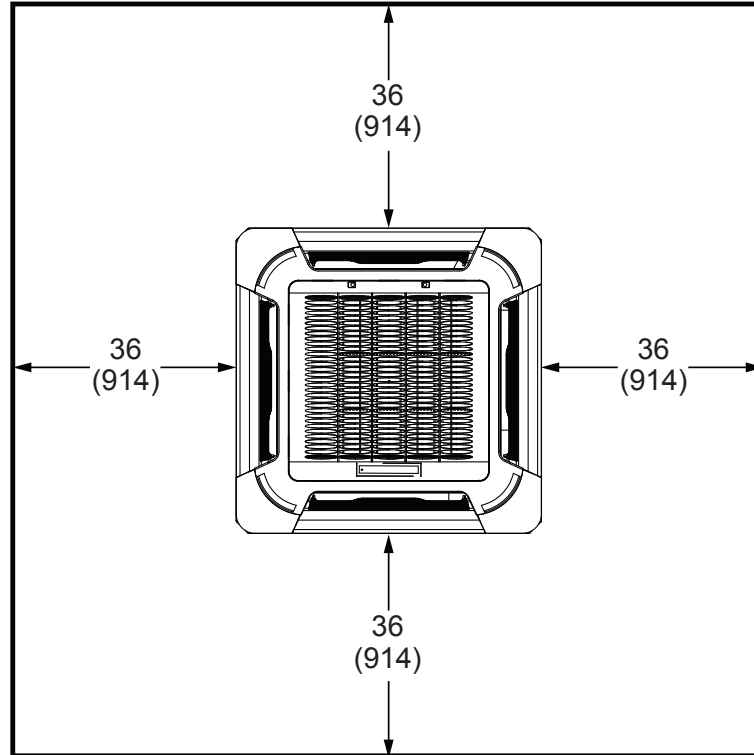
³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

DIMENSIONS - INCHES (MM)



Size	A		B	
	in.	mm	in.	mm
009, 012, 015, 018, 024	9	229	5	127
030, 036, 048	11-7/8	302	7-3/4	197

INSTALLATION CLEARANCES - INCHES (MM)



Minimum Vertical Clearances:

Minimum Clearance from Structural Ceiling to Drop Ceiling:

10-1/4 inches (260 mm) - 009, 012, 015, 018, 024 models

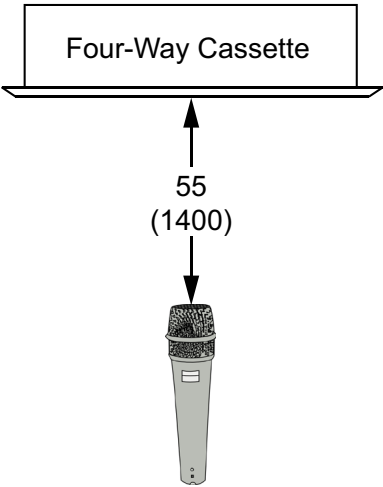
13 inches (330 mm) - 030, 036, 048 models

Minimum Clearance to Floor - 98-1/2 inches (2500 mm)

SOUND DATA

SOUND LEVELS

Model No.	Sound Rating Number (dBA)					
	Standard Efficiency			High Efficiency		
	Low	Medium	High	Low	Medium	High
V33A009	35	38	42	32	37	42
V33A012	35	38	42	32	37	42
V33A015	35	38	42	34	38	43
V33A018	35	38	42	34	38	43
V33A024	39	42	45	34	39	45
V33A030	43	45	48	36	41	47
V33A036	43	45	48	36	41	47
V33A048	44	47	50	35	45	50

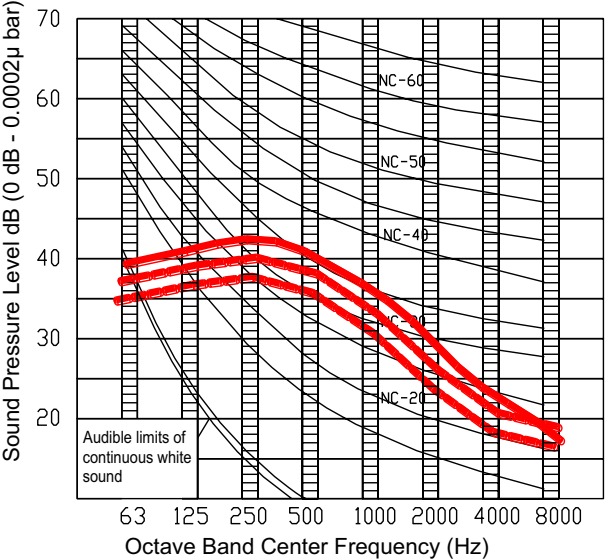


NOTE:

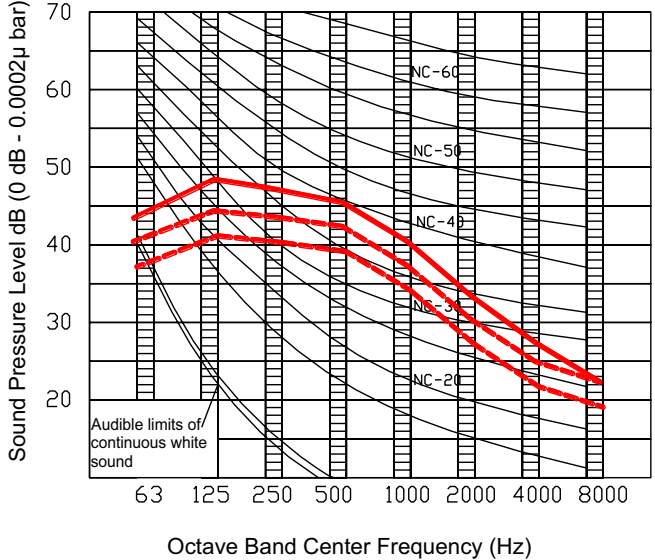
- Semi-anechoic chamber conversion value is measured at a point 55 inches (1400 mm) under the unit.

OCTAVE BAND LEVELS

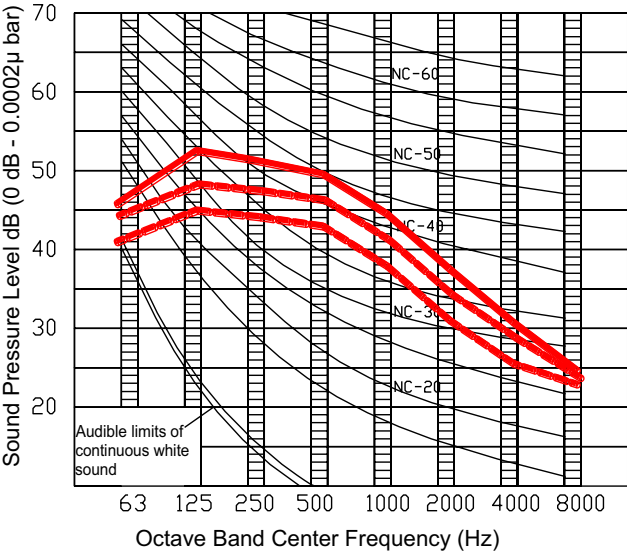
V33A009S4, V33A012S4,
V33A015S4, V33A018S4



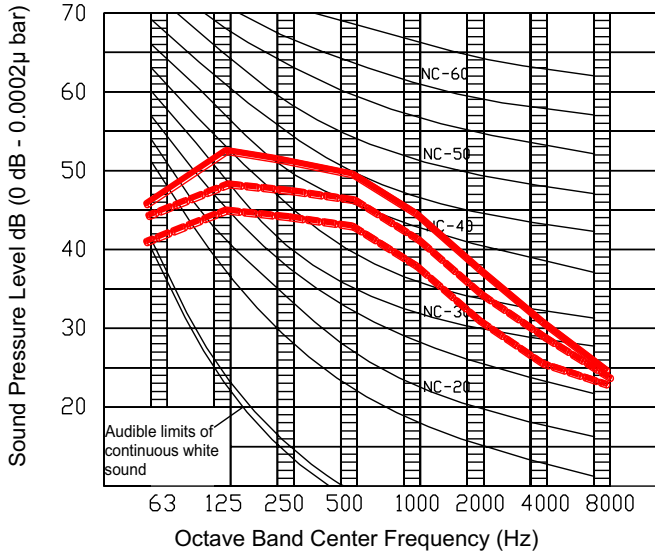
V33A024S4



V33A030S4, V33A036S4



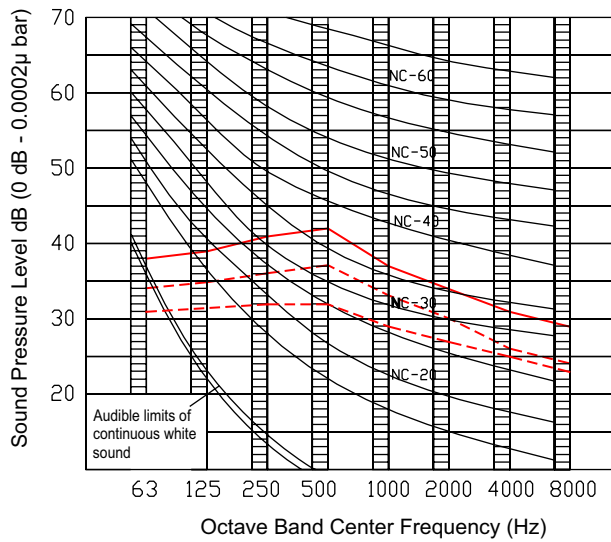
V33A048S4



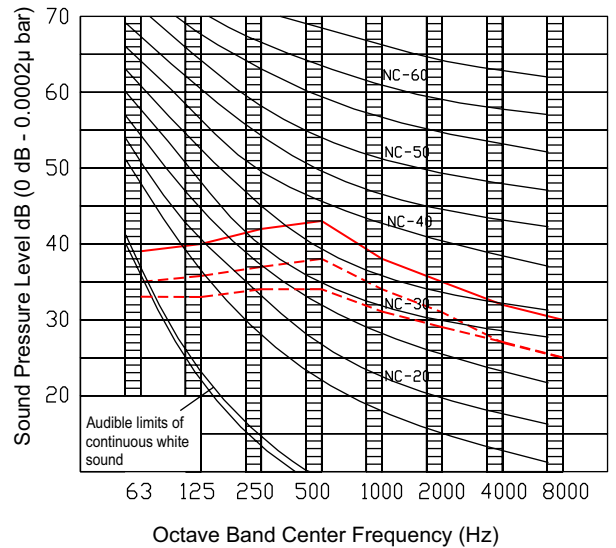
SOUND DATA

OCTAVE BAND LEVELS

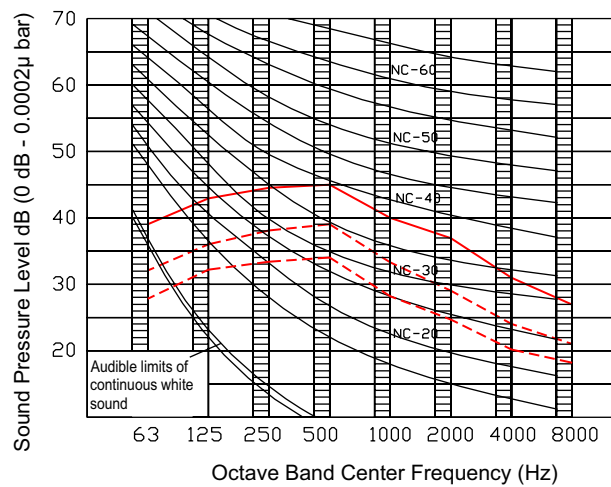
V33A009H4, V33A012H4



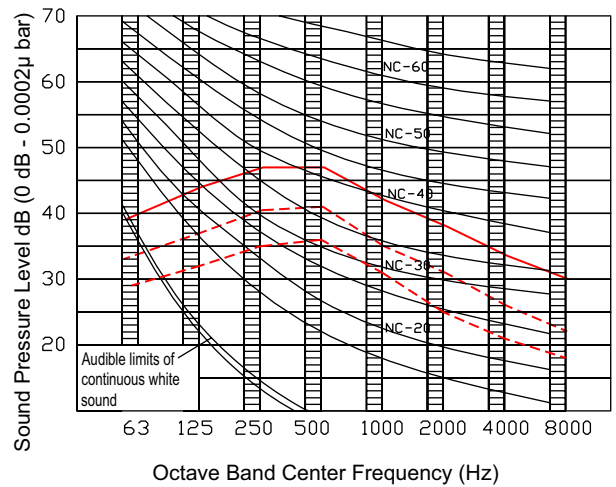
V33A015H4, V33A018H4



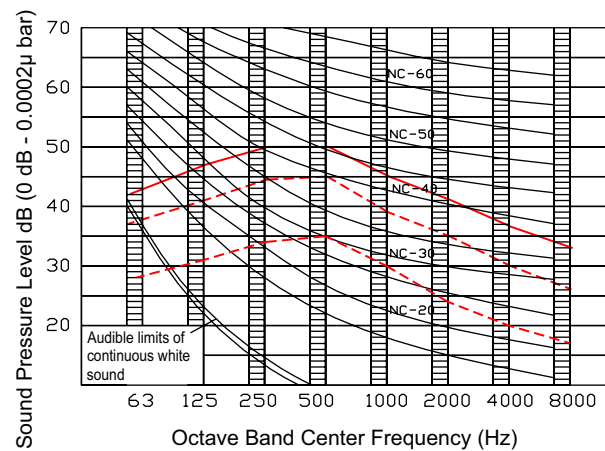
V33A024H4



V33A030H4, V33036H4

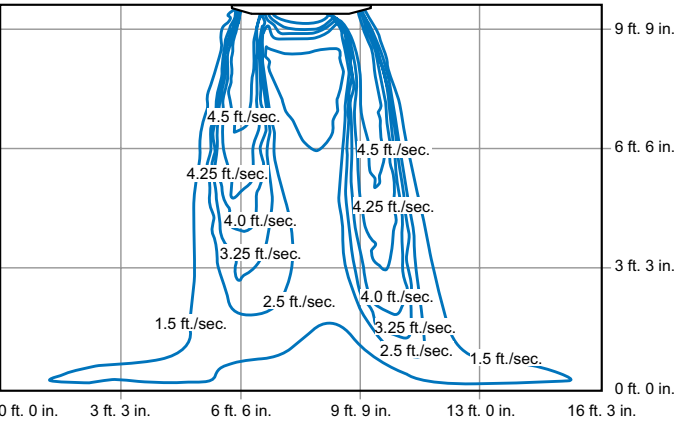


V33A048H4

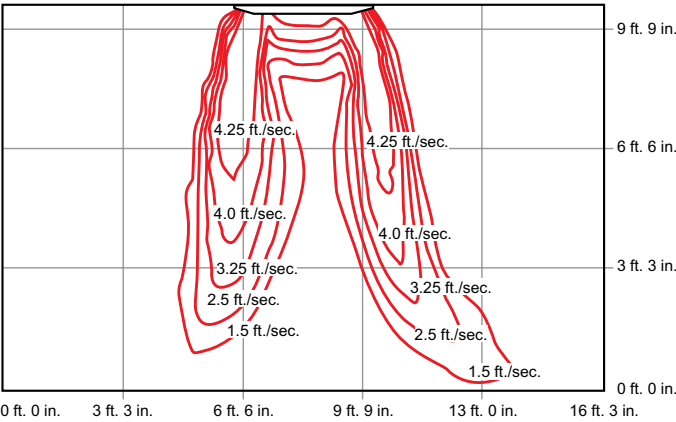


AIR THROW DATA

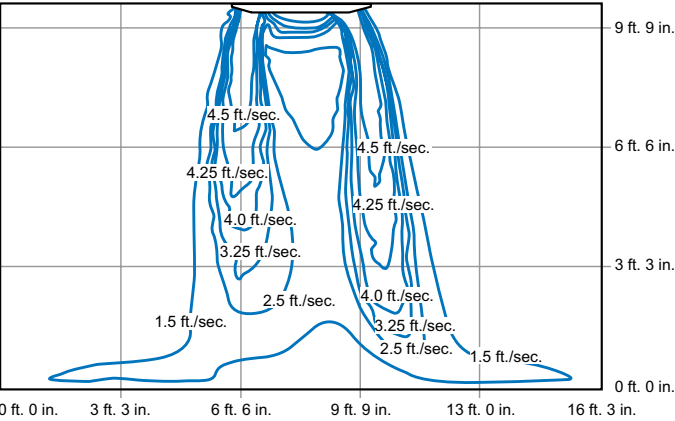
V33A009 - COOLING



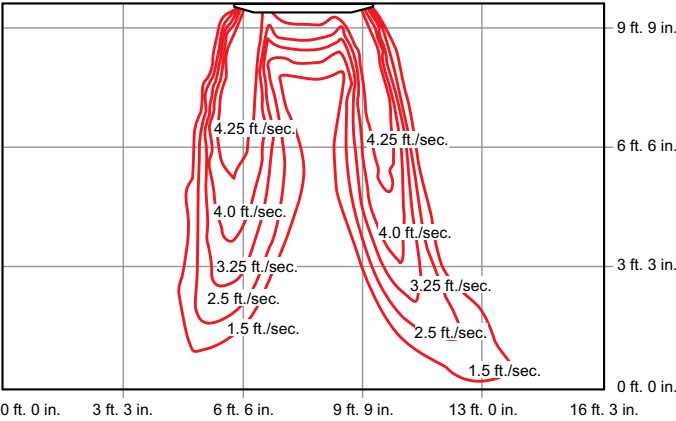
V33A009 - HEATING



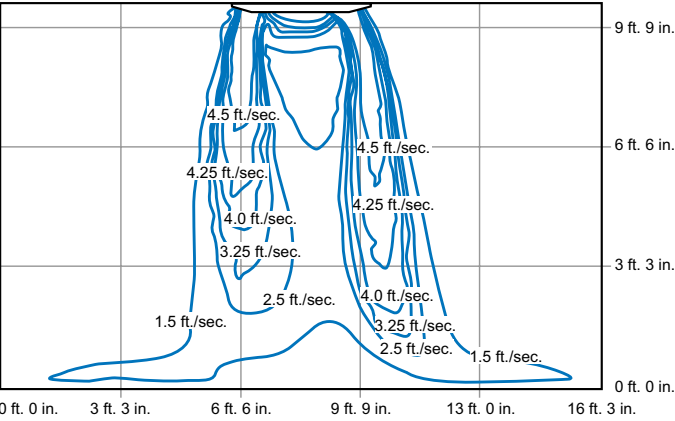
V33A012 - COOLING



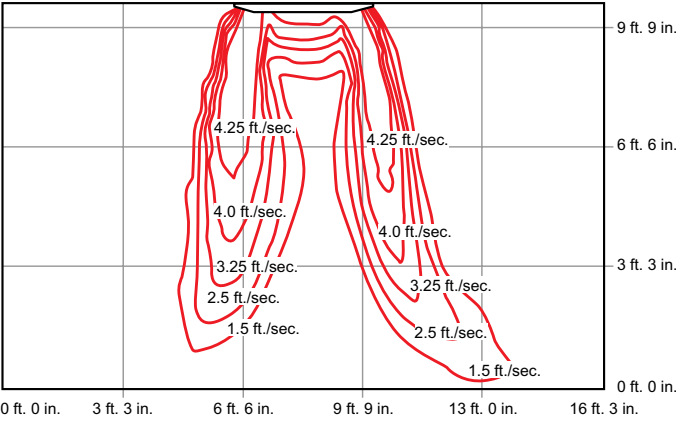
V33A012 - HEATING



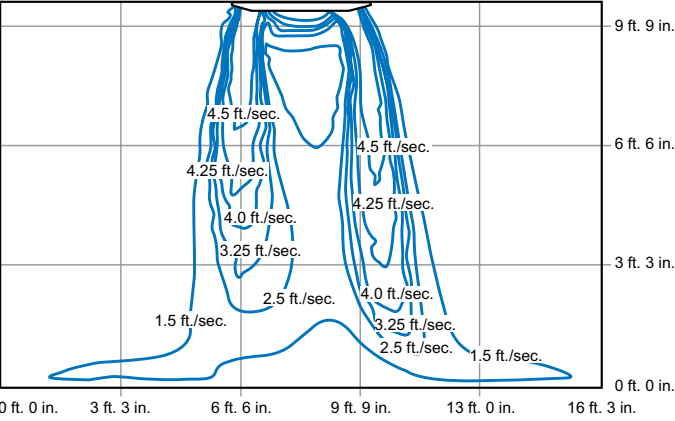
V33A015 - COOLING



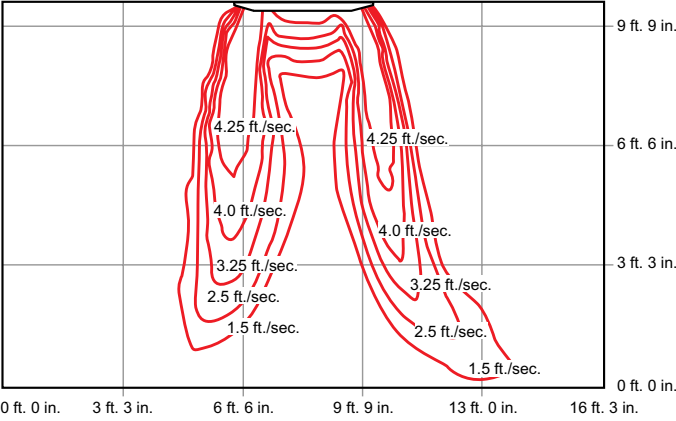
V33A015 - HEATING



V33A018 - COOLING

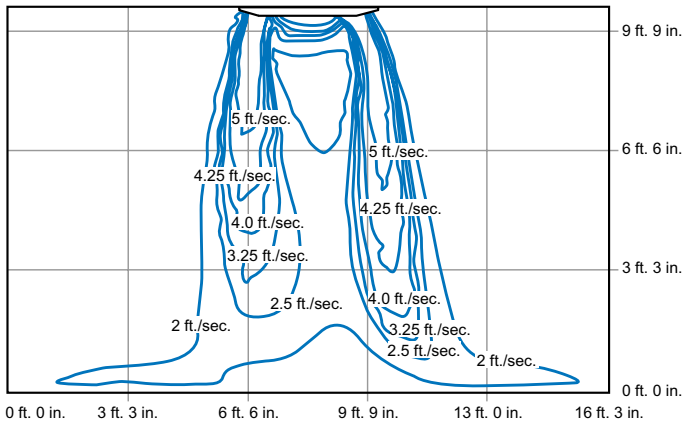


V33A018 - HEATING

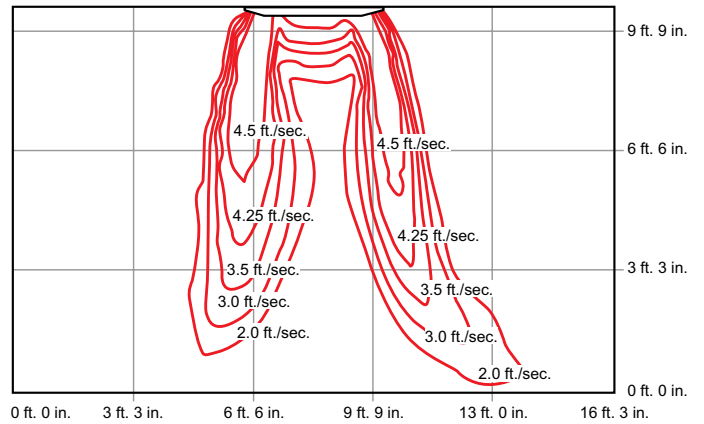


AIR THROW DATA

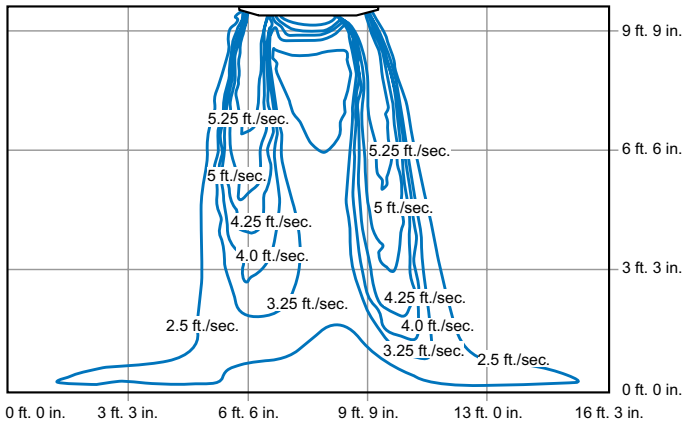
V33A024 - COOLING



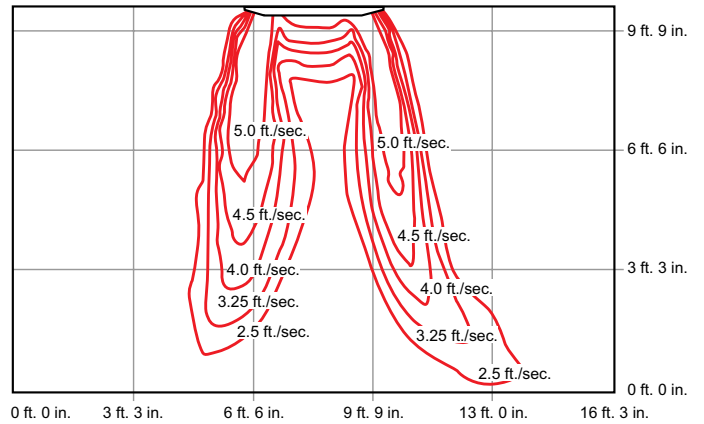
V33A024 - HEATING



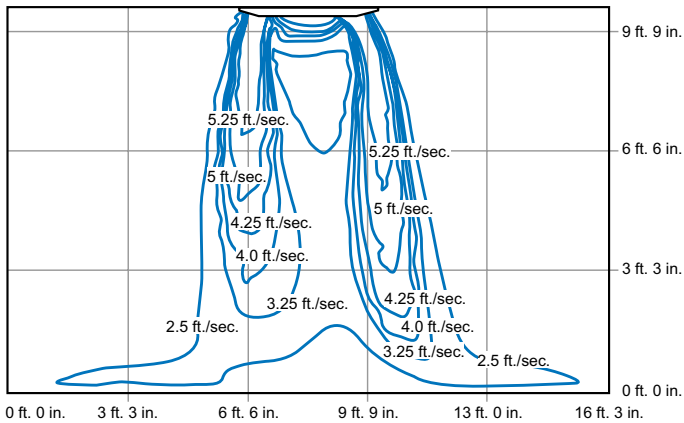
V33A030 - COOLING



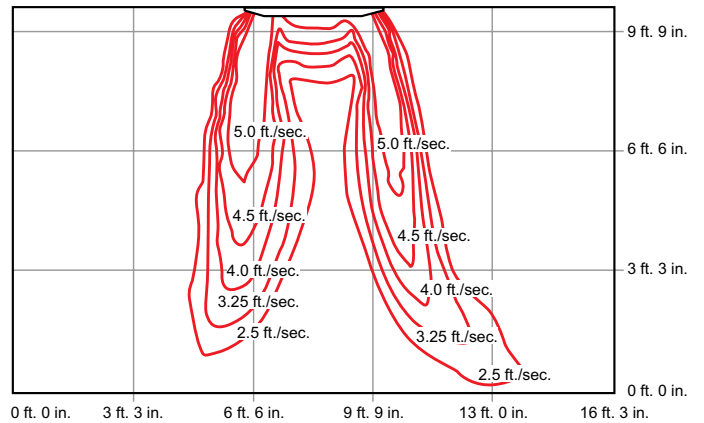
V33A030 - HEATING



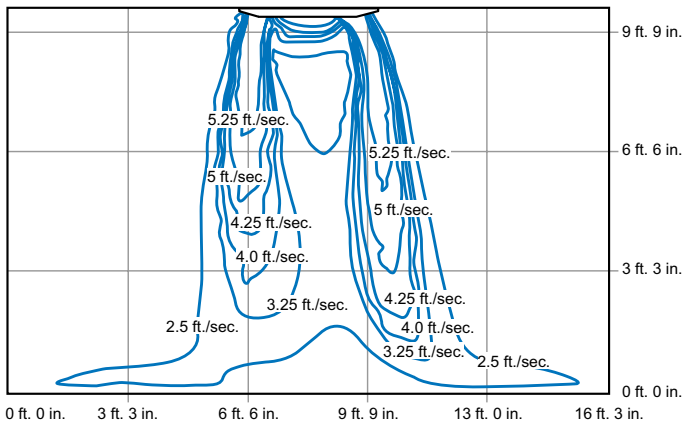
V33A036 - COOLING



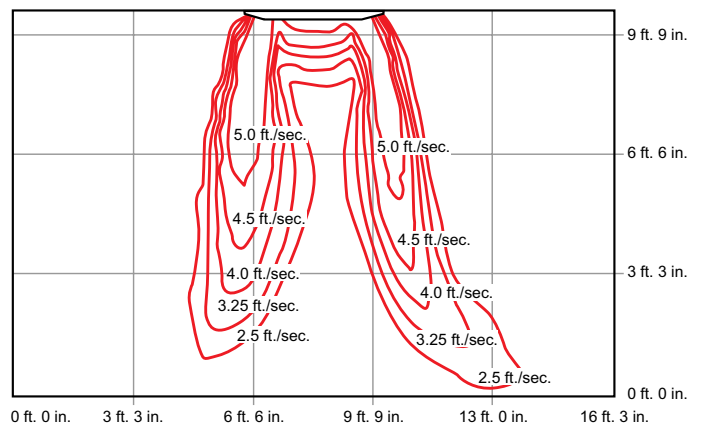
V33A036 - HEATING



V33A048 - COOLING



V33A048 - HEATING



COOLING CAPACITY

Size	Outdoor Temperature °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)											
		67 / 57		71 / 60		75 / 63		80 / 67		85 / 71		90 / 75	
		Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible
		MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
009	5	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.98	9.02
	10	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.98	9.02
	15	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.93	8.99
	20	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.77	8.86
	25	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.59	8.73
	30	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.42	8.60
	35	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.25	8.47
	40	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	11.07	8.34
	45	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	10.90	8.21
	50	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.49	7.83	10.73	8.08
	55	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.47	7.82	10.55	7.95
	60	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.30	7.69	10.38	7.82
	65	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	10.12	7.56	10.21	7.69
	70	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	9.95	7.43	10.04	7.56
	75	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	9.78	7.30	9.86	7.43
	80	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	9.60	7.17	9.69	7.30
	85	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	9.43	7.04	9.52	7.17
	90	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	9.26	6.91	9.35	7.04
	95	5.28	3.75	6.40	4.65	7.51	5.59	9.00	6.76	9.09	6.78	9.17	6.91
	100	5.28	3.75	6.40	4.65	7.51	5.59	8.83	6.63	8.91	6.66	8.99	6.77
012	105	5.28	3.75	6.40	4.65	7.51	5.59	8.65	6.50	8.71	6.51	8.72	6.57
	110	5.28	3.75	6.40	4.65	7.51	5.59	8.14	6.11	8.34	6.22	8.46	6.37
	115	5.28	3.75	6.12	4.45	6.27	4.66	6.47	4.86	6.67	4.98	6.87	5.18
	118	5.02	3.56	5.17	3.76	5.32	3.95	5.52	4.14	5.72	4.27	5.92	4.46
	5	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	15.97	12.03
	10	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	15.97	12.03
	15	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	15.91	11.98
	20	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	15.69	11.82
	25	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	15.45	11.64
	30	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	15.22	11.47
	35	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	14.99	11.29
	40	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	14.76	11.12
	45	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	14.53	10.95
	50	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.98	10.44	14.30	10.77
	55	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.96	10.42	14.07	10.60
	60	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.73	10.25	13.84	10.43
	65	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.50	10.08	13.61	10.25
	70	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.27	9.91	13.38	10.08
	75	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	13.04	9.73	13.15	9.91
	80	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	12.81	9.56	12.92	9.73
	85	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	12.58	9.39	12.69	9.56
	90	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	12.35	9.22	12.46	9.39
	95	7.04	5.00	8.53	6.21	10.02	7.45	12.00	9.01	12.12	9.05	12.23	9.21
	100	7.04	5.00	8.53	6.21	10.02	7.45	11.77	8.84	11.89	8.87	11.99	9.03
	105	7.04	5.00	8.53	6.21	10.02	7.45	11.54	8.67	11.62	8.67	11.63	8.76
	110	7.04	5.00	8.53	6.21	10.02	7.45	10.85	8.15	11.12	8.30	11.27	8.49
	115	7.04	5.00	8.16	5.94	8.36	6.22	8.63	6.48	8.89	6.64	9.16	6.90
	118	6.69	4.75	6.89	5.01	7.09	5.27	7.36	5.52	7.62	5.69	7.89	5.94

NOTE - MBH = 1000 BTUs per hour.

COOLING CAPACITY

Size	Outdoor Temperature °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)											
		67 / 57		71 / 60		75 / 63		80 / 67		85 / 71		90 / 75	
		Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible
		MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
015	5	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	19.96	15.03
	10	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	19.96	15.03
	15	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	19.89	14.98
	20	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	19.61	14.77
	25	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	19.32	14.55
	30	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	19.03	14.33
	35	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	18.74	14.12
	40	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	18.45	13.90
	45	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	18.17	13.68
	50	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.48	13.05	17.88	13.47
	55	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.45	13.03	17.59	13.25
	60	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	17.16	12.81	17.30	13.03
	65	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	16.87	12.60	17.02	12.82
	70	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	16.58	12.38	16.73	12.60
	75	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	16.30	12.17	16.44	12.38
	80	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	16.01	11.95	16.15	12.17
	85	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	15.72	11.74	15.86	11.95
	90	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	15.43	11.52	15.58	11.73
	95	8.80	6.25	10.66	7.76	12.52	9.31	15.00	11.26	15.14	11.31	15.29	11.52
	100	8.80	6.25	10.66	7.76	12.52	9.31	14.71	11.05	14.86	11.09	14.99	11.29
018	105	8.80	6.25	10.66	7.76	12.52	9.31	14.42	10.83	14.52	10.84	14.54	10.95
	110	8.80	6.25	10.66	7.76	12.52	9.31	13.56	10.18	13.90	10.37	14.09	10.61
	115	8.80	6.25	10.20	7.42	10.45	7.77	10.78	8.10	11.12	8.30	11.45	8.63
	118	8.36	5.94	8.61	6.27	8.86	6.59	9.20	6.90	9.53	7.11	9.86	7.43
	5	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	25.28	19.04
	10	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	25.28	19.04
	15	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	25.19	18.98
	20	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	24.84	18.71
	25	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	24.47	18.43
	30	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	24.10	18.16
	35	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	23.74	17.88
	40	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	23.38	17.61
	45	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	23.01	17.33
	50	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.14	16.53	22.65	17.06
	55	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	22.10	16.50	22.28	16.78
	60	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	21.73	16.23	21.92	16.51
	65	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	21.37	15.96	21.55	16.23
	70	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	21.01	15.68	21.19	15.96
	75	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	20.64	15.41	20.82	15.69
	80	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	20.28	15.14	20.46	15.41
	85	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	19.91	14.87	20.09	15.14
	90	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	19.55	14.59	19.73	14.86
	95	11.15	7.92	13.50	9.82	15.86	11.79	19.00	14.27	19.18	14.32	19.37	14.59
	100	11.15	7.92	13.50	9.82	15.86	11.79	18.64	13.99	18.82	14.05	18.99	14.30
	105	11.15	7.92	13.50	9.82	15.86	11.79	18.27	13.72	18.39	13.73	18.42	13.87
	110	11.15	7.92	13.50	9.82	15.86	11.79	17.18	12.90	17.60	13.14	17.85	13.45
	115	11.15	7.92	12.92	9.40	13.24	9.84	13.66	10.26	14.08	10.51	14.50	10.93
	118	10.59	7.52	10.91	7.94	11.22	8.35	11.65	8.75	12.07	9.01	12.49	9.41

NOTE - MBH = 1000 BTUs per hour.

COOLING CAPACITY

Size	Outdoor Temperature °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)											
		67 / 57		71 / 60		75 / 63		80 / 67		85 / 71		90 / 75	
		Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible
		MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
024	5	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	31.93	24.05
	10	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	31.93	24.05
	15	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	31.82	23.97
	20	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	31.37	23.63
	25	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	30.91	23.28
	30	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	30.45	22.93
	35	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	29.99	22.59
	40	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	29.53	22.24
	45	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	29.07	21.89
	50	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.97	20.88	28.61	21.55
	55	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.91	20.84	28.15	21.20
	60	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	27.45	20.50	27.68	20.85
	65	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	26.99	20.15	27.22	20.51
	70	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	26.53	19.81	26.76	20.16
	75	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	26.07	19.47	26.30	19.81
	80	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	25.61	19.12	25.84	19.47
	85	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	25.15	18.78	25.38	19.12
	90	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	24.69	18.44	24.92	18.77
	95	14.08	10.00	17.06	12.41	20.03	14.90	24.00	18.02	24.23	18.09	24.46	18.43
030	100	14.08	10.00	17.06	12.41	20.03	14.90	23.54	17.68	23.77	17.75	23.99	18.07
	105	14.08	10.00	17.06	12.41	20.03	14.90	23.08	17.33	23.23	17.35	23.27	17.53
	110	14.08	10.00	17.06	12.41	20.03	14.90	21.70	16.29	22.23	16.60	22.55	16.98
	115	14.08	10.00	16.32	11.87	16.72	12.43	17.25	12.96	17.79	13.28	18.32	13.80
	118	13.38	9.50	13.78	10.02	14.18	10.54	14.71	11.05	15.25	11.38	15.78	11.89
	5	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	39.92	30.07
	10	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	39.92	30.07
	15	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	39.78	29.96
	20	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	39.22	29.54
	25	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	38.63	29.10
	30	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	38.06	28.67
	35	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	37.48	28.23
	40	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	36.91	27.80
	45	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	36.33	27.37
	50	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.96	26.10	35.76	26.93
	55	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.89	26.05	35.18	26.50
	60	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	34.32	25.62	34.61	26.07
	65	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	33.74	25.19	34.03	25.63
	70	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	33.17	24.76	33.45	25.20
	75	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	32.59	24.33	32.88	24.77
	80	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	32.02	23.90	32.30	24.33
	85	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	31.44	23.47	31.73	23.90
	90	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	30.86	23.04	31.15	23.47
	95	17.60	12.50	21.32	15.51	25.04	18.62	30.00	22.53	30.29	22.61	30.58	23.03
	100	17.60	12.50	21.32	15.51	25.04	18.62	29.42	22.09	29.71	22.18	29.98	22.58
	105	17.60	12.50	21.32	15.51	25.04	18.62	28.85	21.66	29.04	21.68	29.08	21.91
	110	17.60	12.50	21.32	15.51	25.04	18.62	27.12	20.37	27.79	20.75	28.18	21.23
	115	17.60	12.50	20.40	14.84	20.90	15.54	21.57	16.20	22.23	16.60	22.90	17.25
	118	16.72	11.88	17.22	12.53	17.72	13.18	18.39	13.81	19.06	14.23	19.72	14.86

NOTE - MBH = 1000 BTUs per hour.

COOLING CAPACITY

Size	Outdoor Temperature °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)											
		67 / 57		71 / 60		75 / 63		80 / 67		85 / 71		90 / 75	
		Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible
		MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
036	5	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	50.56	38.09
	10	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	50.56	38.09
	15	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	50.38	37.95
	20	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	49.68	37.42
	25	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	48.94	36.86
	30	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	48.21	36.31
	35	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	47.48	35.76
	40	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	46.75	35.21
	45	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	46.02	34.67
	50	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.28	33.06	45.29	34.12
	55	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	44.20	33.00	44.56	33.57
	60	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	43.47	32.46	43.83	33.02
	65	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	42.74	31.91	43.11	32.47
	70	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	42.01	31.37	42.38	31.92
	75	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	41.28	30.82	41.65	31.37
	80	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	40.55	30.28	40.92	30.82
	85	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	39.82	29.73	40.19	30.27
	90	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	39.09	29.19	39.46	29.72
	95	22.30	15.84	27.01	19.65	31.72	23.59	38.00	28.53	38.37	28.64	38.73	29.17
048	100	22.30	15.84	27.01	19.65	31.72	23.59	37.27	27.99	37.64	28.10	37.98	28.61
	105	22.30	15.84	27.01	19.65	31.72	23.59	36.54	27.44	36.79	27.47	36.84	27.75
	110	22.30	15.84	27.01	19.65	31.72	23.59	34.36	25.80	35.20	26.28	35.70	26.89
	115	22.30	15.84	25.84	18.80	26.47	19.69	27.32	20.51	28.16	21.03	29.01	21.85
	118	21.18	15.05	21.82	15.87	22.45	16.69	23.29	17.49	24.14	18.02	24.98	18.82
	5	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	63.87	48.11
	10	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	63.87	48.11
	15	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	63.64	47.94
	20	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	62.75	47.26
	25	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	61.82	46.56
	30	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	60.89	45.87
	35	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	59.97	45.18
	40	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	59.05	44.48
	45	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	58.13	43.79
	50	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.93	41.76	57.21	43.09
	55	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	55.83	41.68	56.29	42.40
	60	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	54.91	41.00	55.37	41.71
	65	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	53.99	40.31	54.45	41.01
	70	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	53.07	39.62	53.53	40.32
	75	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	52.15	38.93	52.61	39.63
	80	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	51.22	38.25	51.69	38.93
	85	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	50.30	37.56	50.77	38.24
	90	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	49.38	36.87	49.84	37.55
	95	28.17	20.01	34.12	24.82	40.07	29.79	48.00	36.04	48.46	36.18	48.92	36.85
	100	28.17	20.01	34.12	24.82	40.07	29.79	47.08	35.35	47.54	35.50	47.97	36.13
	105	28.17	20.01	34.12	24.82	40.07	29.79	46.16	34.66	46.47	34.70	46.53	35.05
	110	28.17	20.01	34.12	24.82	40.07	29.79	43.40	32.59	44.46	33.20	45.09	33.97
	115	28.17	20.01	32.64	23.75	33.44	24.87	34.51	25.91	35.58	26.56	36.64	27.60
	118	26.76	19.01	27.56	20.05	28.36	21.09	29.42	22.09	30.49	22.77	31.56	23.77

NOTE - MBH = 1000 BTUs per hour.

HEATING CAPACITY

Size	Outdoor Temperature (°F)		Indoor Temperature - °F (Dry Bulb)					
			61	64	67	70	73	75
	Dry Bulb	Wet Bulb	Total Capacity					
			MBH	MBH	MBH	MBH	MBH	MBH
009	-13	-14	4.92	4.70	4.48	4.26	4.04	3.89
	-8	-9	5.51	5.28	5.06	4.84	4.62	4.47
	-3	-4	6.09	5.87	5.65	5.42	5.20	5.05
	2	1	6.67	6.45	6.23	6.01	5.78	5.64
	7	6	7.25	7.03	6.81	6.59	6.37	6.22
	12	10	7.72	7.50	7.28	7.06	6.83	6.69
	17	15	8.30	8.08	7.86	7.64	7.42	7.27
	22	20	8.89	8.66	8.44	8.22	8.00	7.85
	27	24	9.35	9.13	8.91	8.69	8.47	8.32
	32	29	9.94	9.71	9.49	9.27	9.05	8.90
	37	34	10.52	10.30	10.08	9.85	9.63	9.48
	42	38	10.98	10.76	10.54	10.32	10.10	9.63
	47	43	11.57	11.35	11.12	10.90	10.14	9.63
	52	47	12.03	11.81	11.59	10.90	10.14	9.63
	57	52	12.62	12.40	11.66	10.90	10.14	9.63
	62	56	13.08	12.42	11.66	10.90	10.14	9.63
	67	61	13.18	12.42	11.66	10.90	10.14	9.63
	72	66	13.18	12.42	11.66	10.90	10.14	9.63
	75	69	13.18	12.42	11.66	10.90	10.14	9.63
012	-13	-14	5.34	5.07	4.79	4.51	4.24	4.05
	-8	-9	6.14	5.86	5.59	5.31	5.03	4.85
	-3	-4	6.94	6.66	6.38	6.11	5.83	5.65
	2	1	7.74	7.46	7.18	6.91	6.63	6.44
	7	6	8.53	8.26	7.98	7.70	7.43	7.24
	12	10	9.17	8.89	8.62	8.34	8.06	7.88
	17	15	9.97	9.69	9.41	9.14	8.86	8.68
	22	20	10.77	10.49	10.21	9.94	9.66	9.47
	27	24	11.40	11.13	10.85	10.57	10.30	10.11
	32	29	12.20	11.92	11.65	11.37	11.09	10.91
	37	34	13.00	12.72	12.44	12.17	11.89	11.71
	42	38	13.64	13.36	13.08	12.81	12.53	12.02
	47	43	14.43	14.16	13.88	13.60	12.65	12.02
	52	47	15.07	14.79	14.52	13.60	12.65	12.02
	57	52	15.87	15.50	14.55	13.60	12.65	12.02
	62	56	16.45	15.50	14.55	13.60	12.65	12.02
	67	61	16.45	15.50	14.55	13.60	12.65	12.02
	72	66	16.45	15.50	14.55	13.60	12.65	12.02
	75	69	16.45	15.50	14.55	13.60	12.65	12.02

NOTE - MBH = 1000 BTUs per hour.

HEATING CAPACITY

Size	Outdoor Temperature (°F)		Indoor Temperature - °F (Dry Bulb)					
			61	64	67	70	73	75
	Dry Bulb	Wet Bulb	Total Capacity					
			MBH	MBH	MBH	MBH	MBH	MBH
015	-13	-14	7.68	7.33	6.99	6.64	6.29	6.06
	-8	-9	8.59	8.24	7.90	7.55	7.20	6.97
	-3	-4	9.50	9.15	8.80	8.46	8.11	7.88
	2	1	10.41	10.06	9.71	9.37	9.02	8.79
	7	6	11.31	10.97	10.62	10.28	9.93	9.70
	12	10	12.04	11.70	11.35	11.00	10.66	10.43
	17	15	12.95	12.61	12.26	11.91	11.57	11.34
	22	20	13.86	13.51	13.17	12.82	12.48	12.25
	27	24	14.59	14.24	13.90	13.55	13.20	12.97
	32	29	15.50	15.15	14.80	14.46	14.11	13.88
	37	34	16.41	16.06	15.71	15.37	15.02	14.79
	42	38	17.13	16.79	16.44	16.09	15.75	15.02
	47	43	18.04	17.70	17.35	17.00	15.81	15.02
	52	47	18.77	18.42	18.08	17.00	15.81	15.02
	57	52	19.68	19.33	18.19	17.00	15.81	15.02
	62	56	20.40	19.37	18.19	17.00	15.81	15.02
	67	61	20.56	19.37	18.19	17.00	15.81	15.02
	72	66	20.56	19.37	18.19	17.00	15.81	15.02
	75	69	20.56	19.37	18.19	17.00	15.81	15.02
018	-13	-14	9.71	9.27	8.84	8.40	7.96	7.67
	-8	-9	10.86	10.42	9.99	9.55	9.11	8.82
	-3	-4	12.01	11.57	11.14	10.70	10.26	9.97
	2	1	13.16	12.72	12.29	11.85	11.41	11.12
	7	6	14.31	13.87	13.43	13.00	12.56	12.27
	12	10	15.23	14.79	14.35	13.92	13.48	13.19
	17	15	16.38	15.94	15.50	15.07	14.63	14.34
	22	20	17.53	17.09	16.65	16.22	15.78	15.49
	27	24	18.45	18.01	17.57	17.14	16.70	16.41
	32	29	19.60	19.16	18.72	18.29	17.85	17.56
	37	34	20.75	20.31	19.87	19.44	19.00	18.71
	42	38	21.67	21.23	20.79	20.35	19.92	19.00
	47	43	22.82	22.38	21.94	21.50	20.00	19.00
	52	47	23.74	23.30	22.86	21.50	20.00	19.00
	57	52	24.89	24.45	23.00	21.50	20.00	19.00
	62	56	25.81	24.50	23.00	21.50	20.00	19.00
	67	61	26.00	24.50	23.00	21.50	20.00	19.00
	72	66	26.00	24.50	23.00	21.50	20.00	19.00
	75	69	26.00	24.50	23.00	21.50	20.00	19.00

NOTE - MBH = 1000 BTUs per hour.

HEATING CAPACITY

Size	Outdoor Temperature (°F)		Indoor Temperature - °F (Dry Bulb)					
			61	64	67	70	73	75
	Dry Bulb	Wet Bulb	Total Capacity					
			MBH	MBH	MBH	MBH	MBH	MBH
024	-13	-14	12.95	12.40	11.85	11.30	10.75	10.38
	-8	-9	14.23	13.69	13.14	12.59	12.04	11.67
	-3	-4	15.54	14.99	14.44	13.89	13.34	12.98
	2	1	16.87	16.32	15.77	15.22	14.67	14.30
	7	6	18.21	17.66	17.11	16.56	16.01	15.65
	12	10	19.30	18.75	18.20	17.65	17.10	16.73
	17	15	20.67	20.12	19.57	19.02	18.47	18.11
	22	20	22.06	21.51	20.97	20.42	19.87	19.50
	27	24	23.19	22.64	22.09	21.54	20.99	20.63
	32	29	24.61	24.07	23.52	22.97	22.42	22.05
	37	34	26.06	25.51	24.96	24.41	23.86	23.49
	42	38	27.22	26.67	26.12	25.57	25.03	23.86
	47	43	28.70	28.15	27.60	27.00	25.12	23.86
	52	47	29.89	29.34	28.79	27.00	25.12	23.86
	57	52	31.39	30.77	28.88	27.00	25.12	23.86
	62	56	32.61	30.77	28.88	27.00	25.12	23.86
	67	61	32.65	30.77	28.88	27.00	25.12	23.86
	72	66	32.65	30.77	28.88	27.00	25.12	23.86
	75	69	32.65	30.77	28.88	27.00	25.12	23.86
030	-13	-14	13.82	13.12	12.43	11.74	11.05	10.59
	-8	-9	15.77	15.08	14.39	13.69	13.00	12.54
	-3	-4	17.72	17.03	16.34	15.65	14.95	14.49
	2	1	19.68	18.98	18.29	17.60	16.91	16.45
	7	6	21.63	20.94	20.25	19.55	18.86	18.40
	12	10	23.19	22.50	21.81	21.12	20.42	19.96
	17	15	25.14	24.45	23.76	23.07	22.38	21.92
	22	20	27.10	26.41	25.71	25.02	24.33	23.87
	27	24	28.66	27.97	27.28	26.59	25.89	25.43
	32	29	30.61	29.92	29.23	28.54	27.85	27.39
	37	34	32.57	31.88	31.18	30.49	29.80	29.34
	42	38	34.13	33.44	32.75	32.05	31.36	30.05
	47	43	36.08	35.39	34.70	34.00	31.63	30.05
	52	47	37.65	36.95	36.26	34.00	31.63	30.05
	57	52	39.60	38.74	36.37	34.00	31.63	30.05
	62	56	41.12	38.74	36.37	34.00	31.63	30.05
	67	61	41.12	38.74	36.37	34.00	31.63	30.05
	72	66	41.12	38.74	36.37	34.00	31.63	30.05
	75	69	41.12	38.74	36.37	34.00	31.63	30.05

NOTE - MBH = 1000 BTUs per hour.

HEATING CAPACITY

Size	Outdoor Temperature (°F)		Indoor Temperature - °F (Dry Bulb)					
			61	64	67	70	73	75
	Dry Bulb	Wet Bulb	Total Capacity					
			MBH	MBH	MBH	MBH	MBH	MBH
036	-13	-14	16.50	15.65	14.79	13.94	13.08	12.51
	-8	-9	18.96	18.11	17.25	16.40	15.54	14.98
	-3	-4	21.43	20.57	19.72	18.86	18.01	17.44
	2	1	23.89	23.03	22.18	21.32	20.47	19.90
	7	6	26.35	25.50	24.64	23.79	22.93	22.36
	12	10	28.32	27.47	26.61	25.76	24.90	24.33
	17	15	30.78	29.93	29.07	28.22	27.36	26.80
	22	20	33.25	32.39	31.54	30.68	29.83	29.26
	27	24	35.22	34.36	33.51	32.65	31.80	31.23
	32	29	37.68	36.82	35.97	35.11	34.26	33.69
	37	34	40.14	39.29	38.43	37.58	36.72	36.15
	42	38	42.11	41.26	40.40	39.55	38.69	37.12
	47	43	44.57	43.72	42.86	42.00	39.07	37.12
	52	47	46.54	45.69	44.83	42.00	39.07	37.12
	57	52	49.01	47.86	44.93	42.00	39.07	37.12
	62	56	50.79	47.86	44.93	42.00	39.07	37.12
	67	61	50.79	47.86	44.93	42.00	39.07	37.12
	72	66	50.79	47.86	44.93	42.00	39.07	37.12
	75	69	50.79	47.86	44.93	42.00	39.07	37.12
048	-13	-14	23.33	22.29	21.25	20.20	19.16	18.47
	-8	-9	26.05	25.01	23.97	22.92	21.88	21.19
	-3	-4	28.77	27.73	26.69	25.64	24.60	23.91
	2	1	31.49	30.45	29.41	28.36	27.32	26.63
	7	6	34.21	33.17	32.13	31.08	30.04	29.35
	12	10	36.39	35.34	34.30	33.26	32.22	31.52
	17	15	39.11	38.06	37.02	35.98	34.94	34.24
	22	20	41.83	40.78	39.74	38.70	37.66	36.96
	27	24	44.00	42.96	41.92	40.88	39.83	39.14
	32	29	46.72	45.68	44.64	43.60	42.55	41.86
	37	34	49.44	48.40	47.36	46.32	45.27	44.58
	42	38	51.62	50.57	49.53	48.49	47.45	45.25
	47	43	54.34	53.29	52.25	51.20	47.63	45.25
	52	47	56.51	55.47	54.43	51.20	47.63	45.25
	57	52	59.23	58.19	54.77	51.20	47.63	45.25
	62	56	61.41	58.34	54.77	51.20	47.63	45.25
	67	61	61.92	58.34	54.77	51.20	47.63	45.25
	72	66	61.92	58.34	54.77	51.20	47.63	45.25
	75	69	61.92	58.34	54.77	51.20	47.63	45.25

NOTE - MBH = 1000 BTUs per hour.

REVISIONS

Sections	Description of Change
Capacity Tables	Updated.
Warranty	Updated.



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