



VRF

VMDB  
(-3)

Concealed Medium Static Ducted Indoor Models - 60Hz

**COMMERCIAL  
PRODUCT SPECIFICATIONS**

Bulletin No. 210886  
January 2020  
Supersedes April 2019

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High efficiency, slim, compact design for limited space requirements. Installs out of sight between the drop ceiling and ceiling slab with ducted distribution to the indoor space

**APPROVALS AND WARRANTY**

- Approvals - ETL certified for the U.S. and Canada
- Warranty - Limited ten years for qualifying installations

**NOTE** - See Warranty Certificate for details.

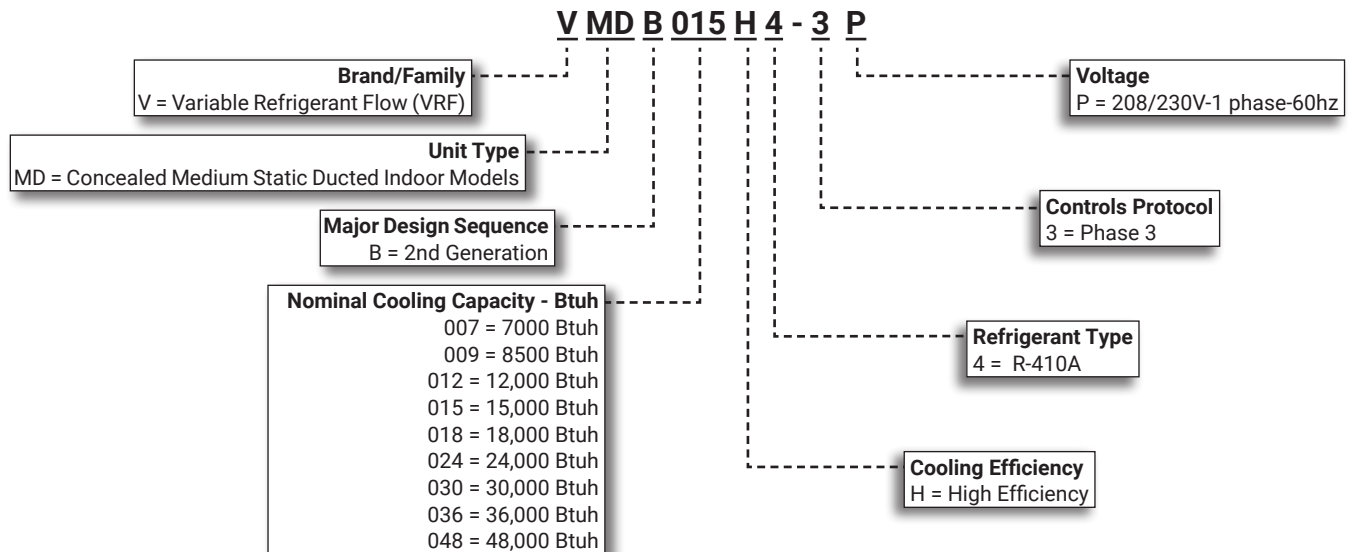
**FEATURES**

- 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 (may be remotely located)
  - LEDs display unit operation status, and codes for maintenance and servicing
  - Infrared receiver for use with a wireless remote control (not furnished)



- Auto Addressing - An optional wireless remote control (not furnished) can be used to inquire and modify each indoor unit's address.
- Auto Restart - Automatically restores the previous function setting if power is interrupted
- Built-In Condensate Lift Pump - 28 inches of lift from the bottom of the pan
- Duct Connections - Return air connections can be made horizontally or from the bottom of the unit with interchangeable panel
- Electronic Expansion Valve - Assures optimal performance throughout the application range
- Braze Connections - Equipped with liquid and gas braze fittings for secure piping
- 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**

**007 - 018**

General Data		Nominal kBtuh	7	9	12	15	18
		Model Number	VMDB007H4	VMDB009H4	VMDB012H4	VMDB015H4	VMDB018H4
<b><sup>1</sup> Cooling Performance</b>	Net Cooling Capacity - Btuh		7,000	8,500	12,000	15,000	18,000
	Total Unit Power Input (W)		35	35	50	55	70
	Rated current (A)		0.5	0.5	0.5	0.5	1
<b><sup>1</sup> Heating Performance</b>	Net Heating Capacity - Btuh		8,000	10,900	13,600	17,000	21,000
	Total Unit Power Input (W)		30	30	45	50	65
	Rated current (A)		0.5	0.5	0.5	0.5	1
<b>Refrigerant</b>	Type		R-410A	R-410A	R-410A	R-410A	R-410A
<b>Indoor Fan Motor</b>	Input - W		47	47	132	145	185
	Speed (high / medium / low) - rpm		909/797/797	1007/907/835	761/639/582	753/617/558	825/674/620
<b>Indoor Coil</b>	Number of rows		2	2	3	3	3
	Fin spacing - in.		3/64	3/64	1/16	1/16	1/16
	Coil length x height x width- in.		28-7/8x5-3/4x1		28-7/8x10x1	37-5/8x14-7/16x1-5/8	
	Number of circuits		4	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				
<b>Indoor Coil Connections</b>	Liquid pipe o.d. - in. (flare)		1/4	1/4	1/4	1/4	3/8
	Gas pipe o.d. - in. (flare)		1/2	1/2	1/2	1/2	5/8
	Gravity drain connection o.d. - in.		(1) 1	(1) 1	(1) 1	(1) 1	(1) 1
	Lift pump drain connection o.d. - in.		(1) 1	(1) 1	(1) 1	(1) 1	(1) 1
<b>Indoor Blower</b>	Airflow (high/medium/low) - cfm		260/220/220	330/260/220	450/360/320	560/450/400	670/540/480
	<sup>4</sup> External static pressure - in. w.g.		0.08-0.32	0.08-0.32	0.10-0.60	0.10-0.60	0.10-0.60
	Sound data (high / medium / low) dBA		33.2/32.1/31.8	33.7/31.6/29.8	38.9/34.3/32.7	38.7/35.6/33.5	40.7/36.9/35.5
<b>Filter Size - in. (furnished)</b>		32 x 7-1/2 x 3/8		32 x 10 x 3/8	40-3/4 x 10 x 3/8		
<b>Control Wiring (AWG)</b>		2-Core Shielded, Stranded, Polarity Sensitive, 18 AWG					
<b>Weight Data</b>	Unit weight (net / shipping) - lbs.		51 / 58	51 / 58	76 / 88	100 / 115	100 / 115

**ELECTRICAL DATA**

	Line voltage data - 60 hz - 1ph	208/230V	208/230V	208/230V	208/230V	208/230V
<sup>2</sup>	Maximum overcurrent protection (amps)	15	15	15	15	15
<sup>3</sup>	Minimum circuit ampacity	1.2	1.2	2.2	2.3	2.3
	Indoor Blower Motor - Full load amps	0.9	0.9	1.7	1.8	1.8

<sup>1</sup> 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.

<sup>2</sup> HACR type circuit breaker or fuse.

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

<sup>4</sup> Refer to blower data.

**SPECIFICATIONS**

**024 - 048**

General Data		Nominal kBtuh	24	30	36	48
		Model Number	VMDB024H4	VMDB030H4	VMDB036H4	VMDB048H4
<b><sup>1</sup> Cooling Performance</b>	Net Cooling Capacity - Btuh		24,000	30,000	36,000	48,000
	Total Unit Power Input (W)		100	140	155	230
	Rated current (A)		1	1	1.5	1.5
<b><sup>1</sup> Heating Performance</b>	Net Heating Capacity - Btuh		27,000	34,000	42,000	54,000
	Total Unit Power Input (W)		95	140	155	230
	Rated current (A)		1	1	1.5	1.5
<b>Refrigerant</b>	Type		R-410A	R-410A	R-410A	R-410A
<b>Indoor Fan Motor</b>	Input - W		231	290	322	370
	Speed (high / medium / low) - rpm		905/745/671	983/830/736	1030/874/778	1170/985/882
<b>Indoor Coil</b>	Number of rows		3	3	3	3
	Fin spacing - in.		1/16	1/16	1/16	1/16
	Coil length x height x width- in.		37-5/8x14-7/16x1-5/8	40-9/16x14-7/8x1-5/8		
	Number of circuits		8	8	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			
<b>Indoor Coil Connections</b>	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
	Gravity drain connection o.d. - in.		(1) 1	(1) 1	(1) 1	(1) 1
	Lift pump drain connection o.d. - in.		(1) 1	(1) 1	(1) 1	(1) 1
<b>Indoor Blower</b>	Airflow (high / medium / low) - cfm		800/640/570	1100/900/780	1200/980/860	1370/1100/980
	<sup>4</sup> External static pressure - in. w.g.		0.10-0.60	0.10-0.60	0.10-0.60	0.10-0.60
	Sound data (high / medium / low) dBA		42.0/36.3/34.2	46.7/42.3/39.4	47.8/43.8/40.8	48.0/43.8/41.2
<b>Filter Size - in. (furnished)</b>		40-3/4 x 10 x 3/8	43-1/8 x 11 x 3/8			
<b>Control Wiring (AWG)</b>		2-Core Shielded, Stranded, Polarity Sensitive, 18 AWG				
<b>Weight Data</b>	Unit weight (net / shipping) - lbs.		100/ 115	124 / 143	124 / 143	124 / 143

**ELECTRICAL DATA**

	Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V
	<sup>2</sup> Maximum overcurrent protection (amps)		15	15	15	15
	<sup>3</sup> Minimum circuit ampacity		2.5	2.7	2.8	2.8
	Indoor Blower Motor - Full load amps		2	2.1	2.2	2.2

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

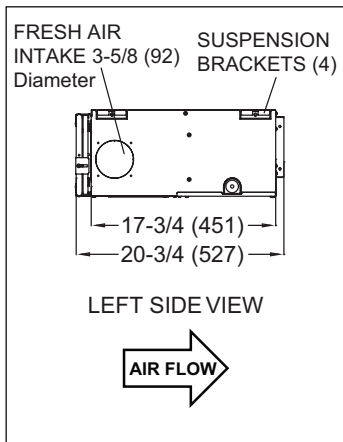
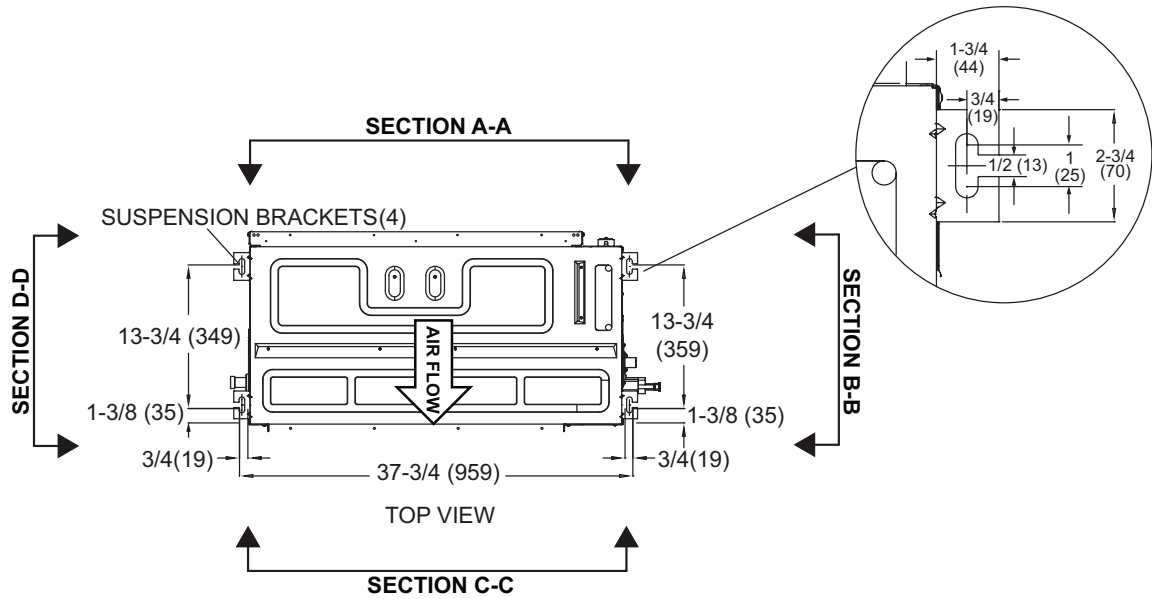
- Cooling Ratings - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.

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

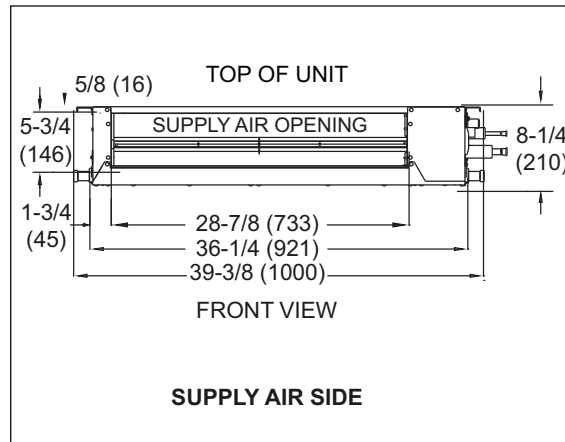
<sup>2</sup> HACR type circuit breaker or fuse.

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

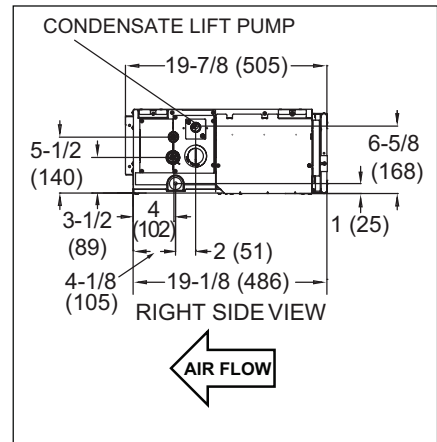
<sup>4</sup> Refer to blower data.



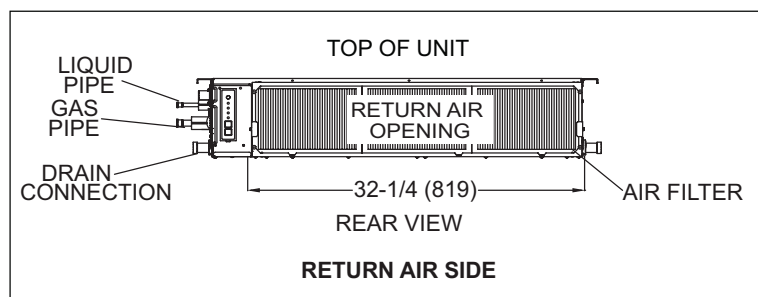
**SECTION D-D**



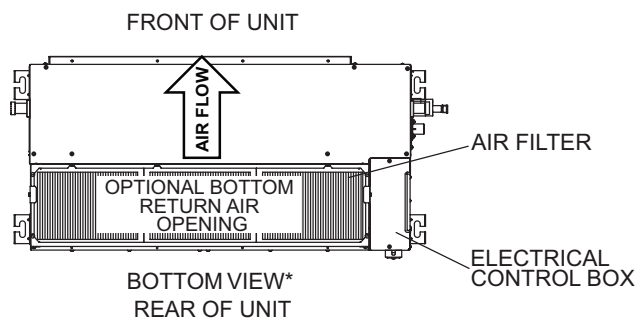
**SECTION C-C**



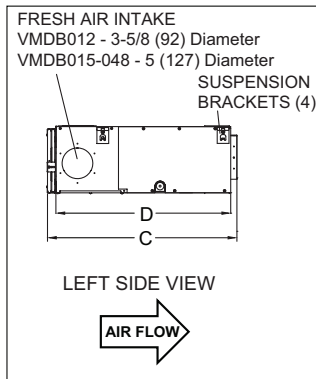
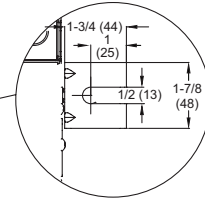
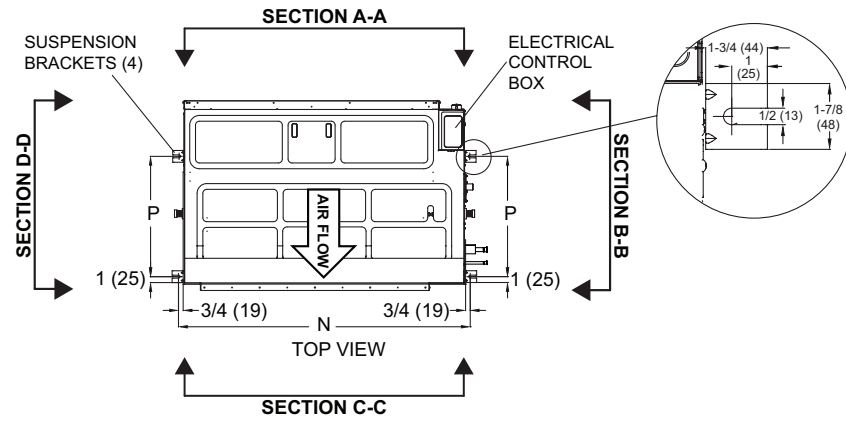
**SECTION B-B**



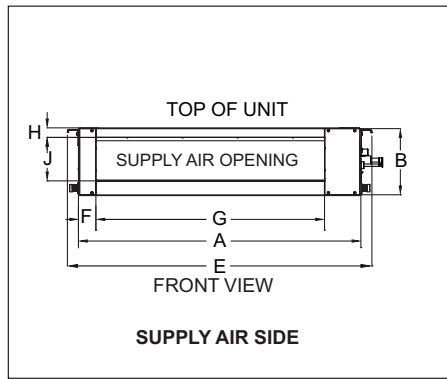
**SECTION A-A**



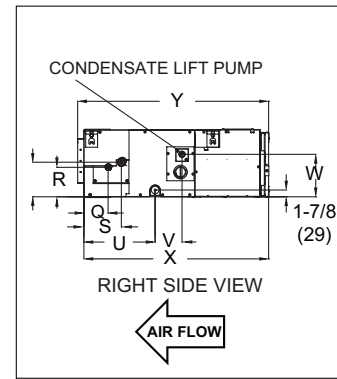
\*NOTE - Unit orientation reversed to show alternative filter location and return air path on bottom of unit.



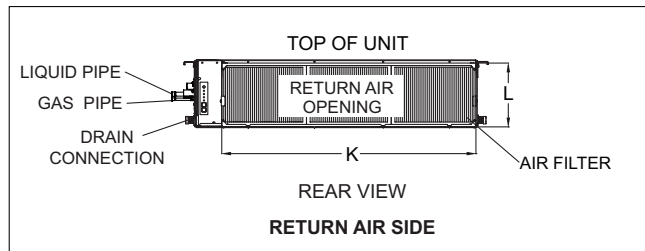
**SECTION D-D**



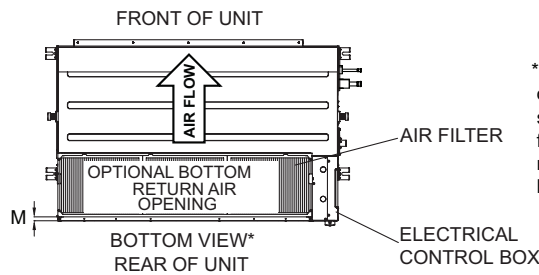
**SECTION C-C**



**SECTION B-B**



**SECTION A-A**



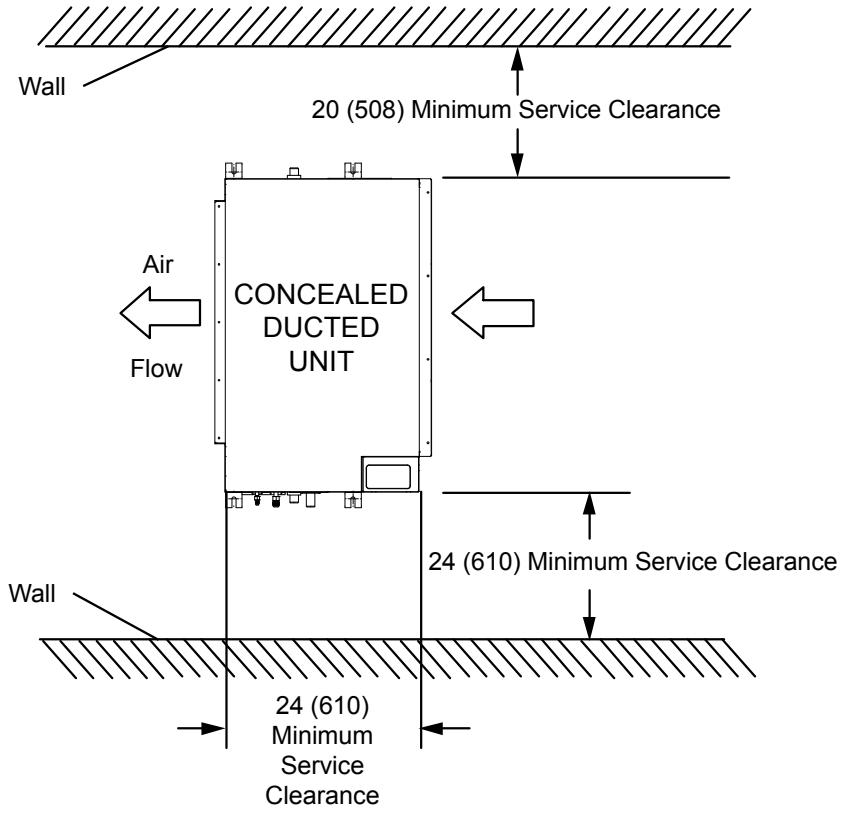
\*NOTE - Unit orientation reversed to show alternative filter location and return air path on bottom of unit.

Size	A		B		C		D		E		F		G		H		J	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
<b>012</b>	36-1/4	921	10-5/8	270	25-3/8	645	22-1/2	572	39-3/4	1010	2-5/8	67	28	711	1-3/8	35	7	178
<b>015/018/024</b>	44-7/8	1140	10-5/8	270	30-1/2	775	28	711	48-1/2	1232	2-5/8	67	36-3/4	933	1-3/8	35	7	178
<b>030/036/048</b>	47-1/4	1200	11-7/8	302	34-1/8	867	31-1/2	800	50-3/4	1289	3-1/8	79	38-1/8	968	1-1/2	38	8	203

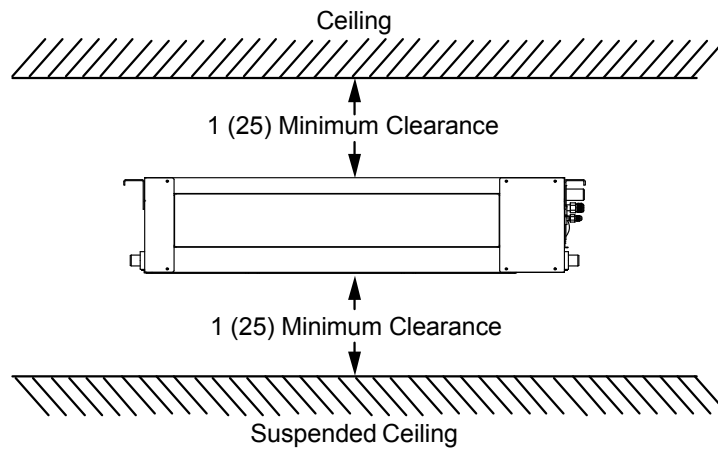
Size	K		L		M		N		P		Q		R		S		T		U	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
<b>012</b>	32	813	10-1/4	260	---	---	38	965	13-3/4	349	3-7/8	99	4-5/8	117	6	152	5-5/8	143	8-1/8	206
<b>015/018/024</b>	40-3/4	1035	10-1/4	260	3/4	18	46-3/4	1188	19-1/4	490	3-7/8	99	4-5/8	117	6	152	5-1/2	140	11-3/8	289
<b>030/036/048</b>	43	1092	11-3/8	289	2	48	49	1246	19-3/4	502	6-3/8	162	6-7/8	175	8-3/8	213	7-5/8	194	9-3/4	248

Size	V		W		X		Y	
	in.	mm	in.	mm	in.	mm	in.	mm
<b>012</b>	1-7/8	48	6-3/4	171	24-1/8	613	25-1/8	638
<b>015/018/024</b>	4-1/4	108	6-3/4	171	29-3/8	746	30-1/4	768
<b>030/036/048</b>	7-1/4	184	6-3/4	171	33-1/8	841	34	864

# INSTALLATION CLEARANCES



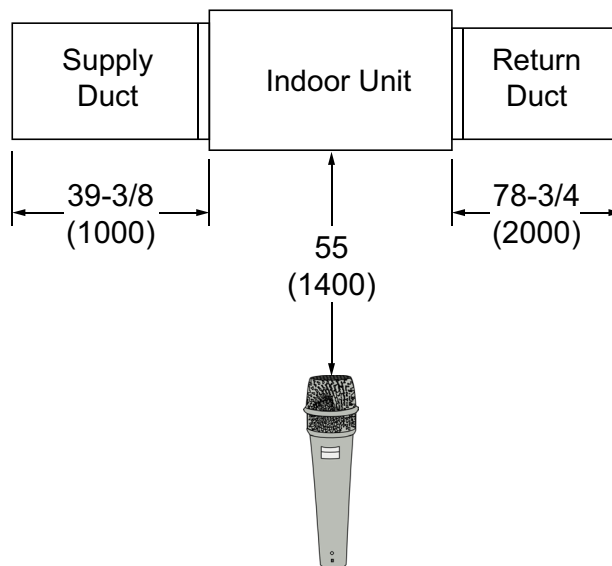
**TOP VIEW**



**FRONT VIEW**

## SOUND DATA

### SOUND LEVELS

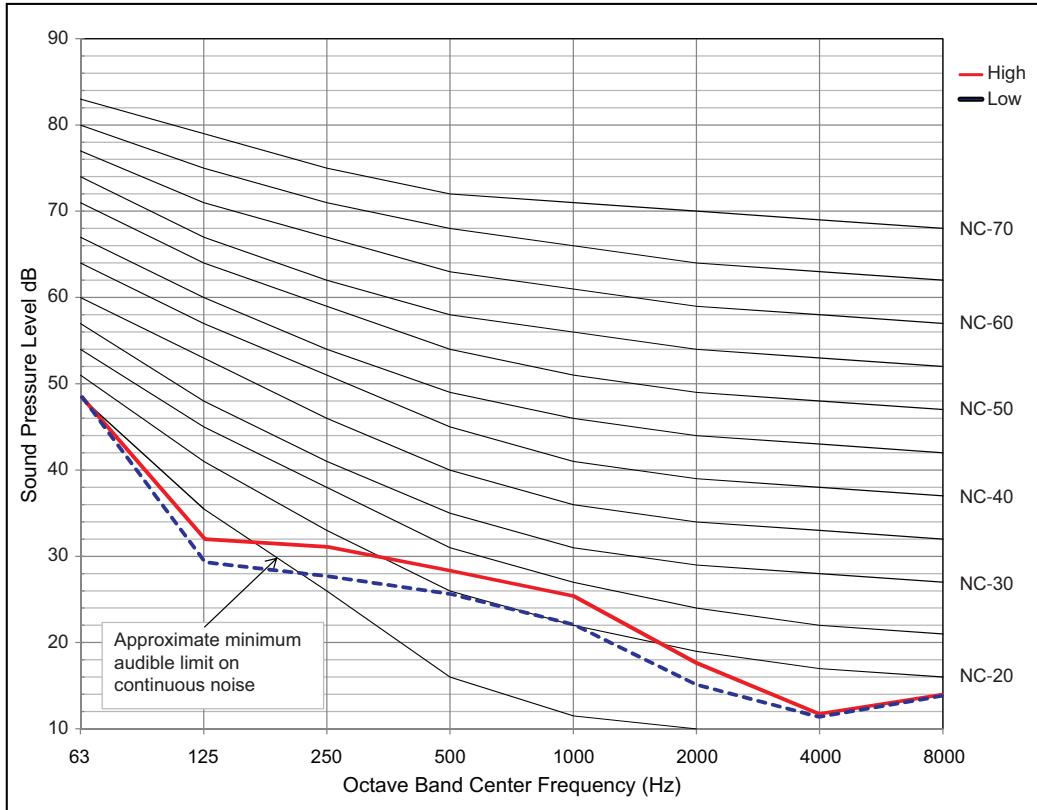


Model No.	Sound Rating Number (dBA)		
	Low	Medium	High
VMDB007H4	31.8	32.1	33.2
VMDB009H4	29.8	31.6	33.7
VMDB012H4	32.7	34.3	38.9
VMDB015H4	33.5	35.6	38.7
VMDB018H4	35.3	36.9	40.7
VMDB024H4	36.9	38.9	43.5
VMDB030H4	36.7	39.8	43.5
VMDB036H4	37.8	40.5	44.6
VMDB048H4	40.6	44	48.1

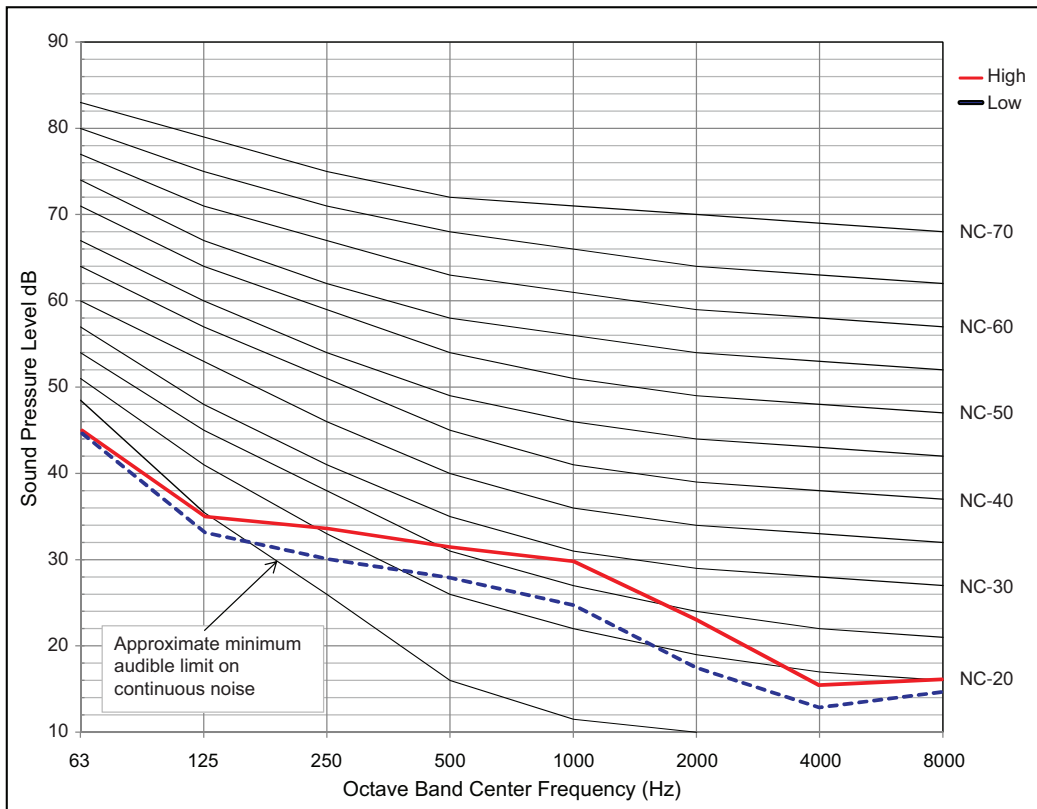
# SOUND DATA

## OCTAVE BAND SOUND DATA

### VMDB007H4



### VMDB009H4

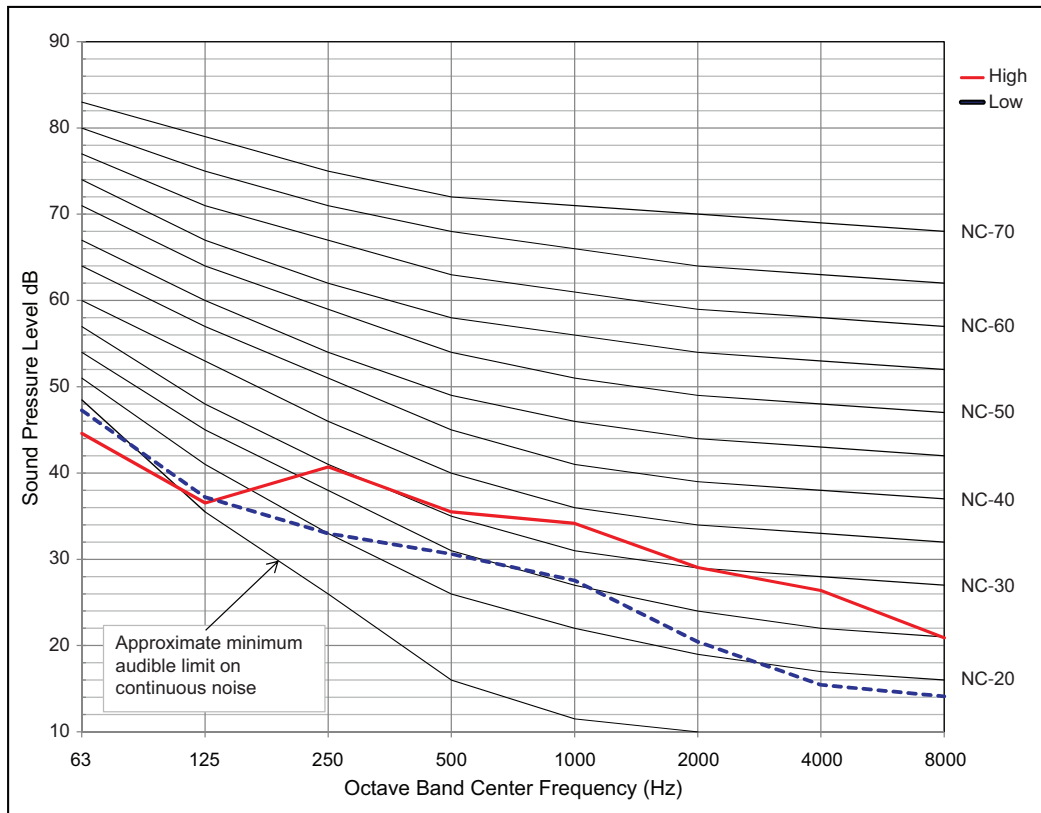




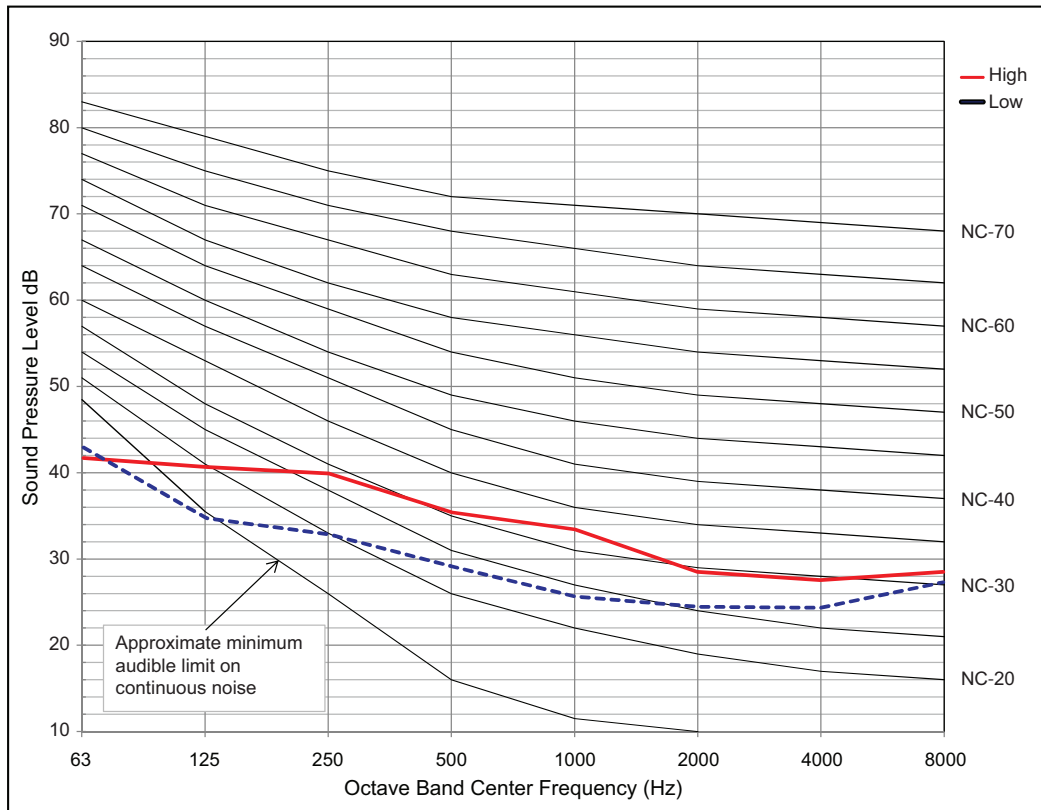
# SOUND DATA

## OCTAVE BAND SOUND DATA

VMDB012H4



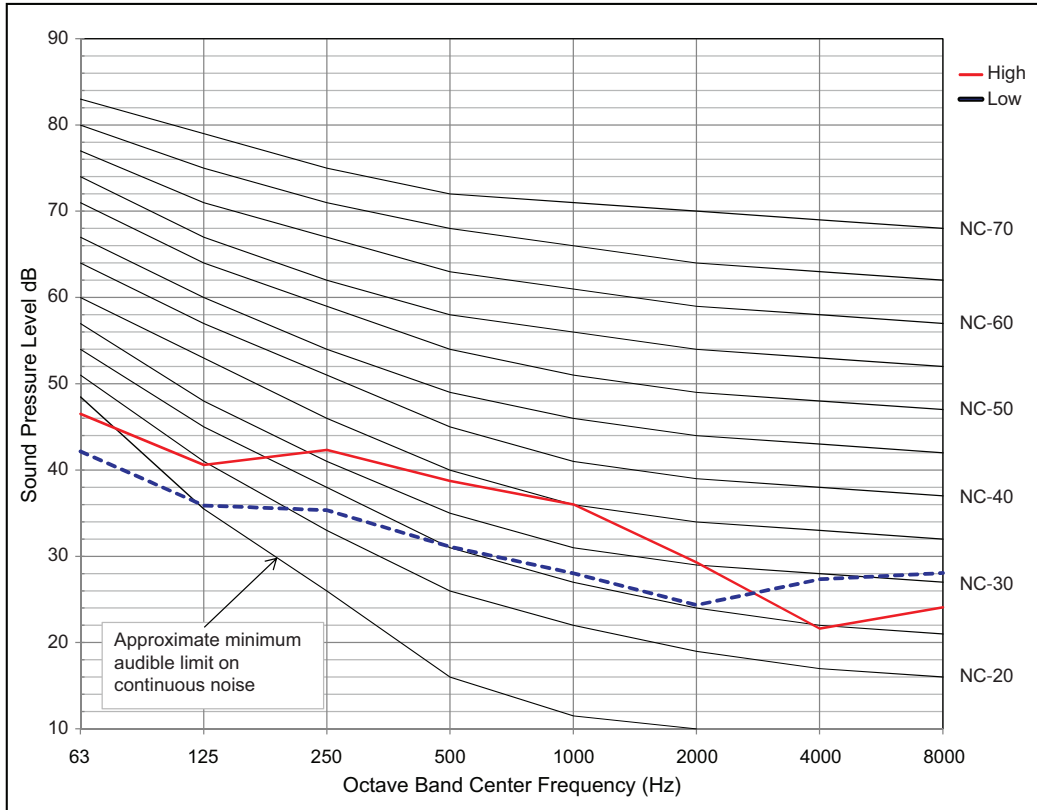
VMDB015H4



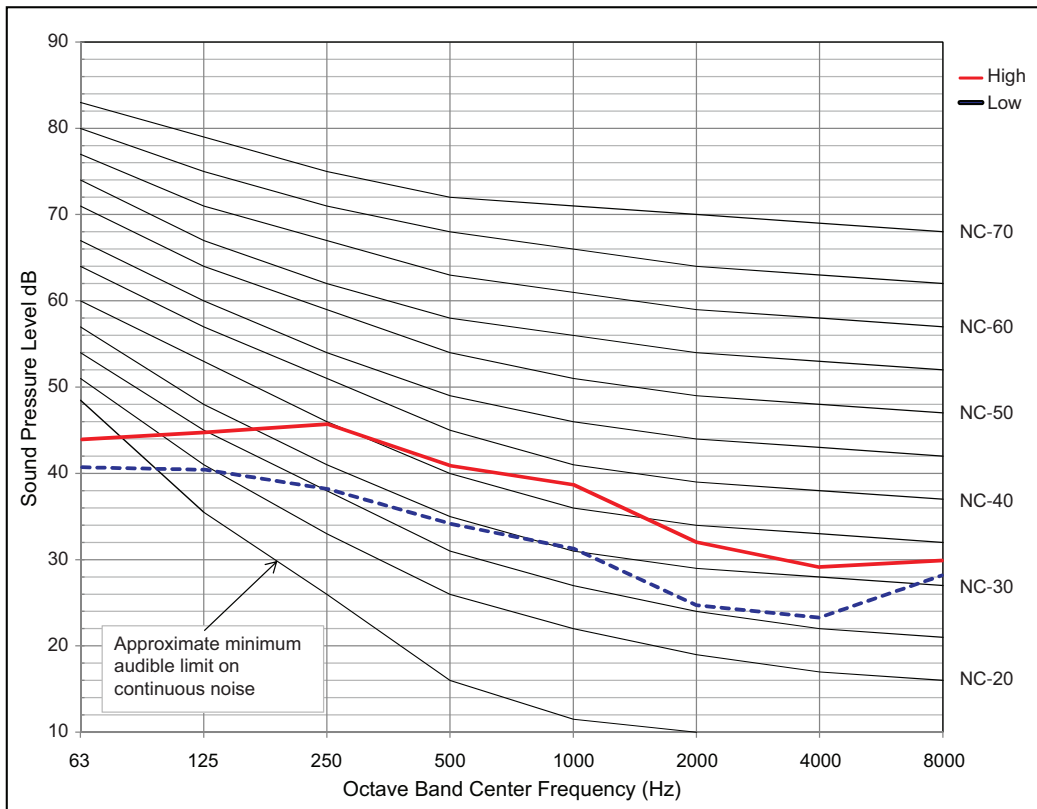
# SOUND DATA

## OCTAVE BAND SOUND DATA

VMDB018H4



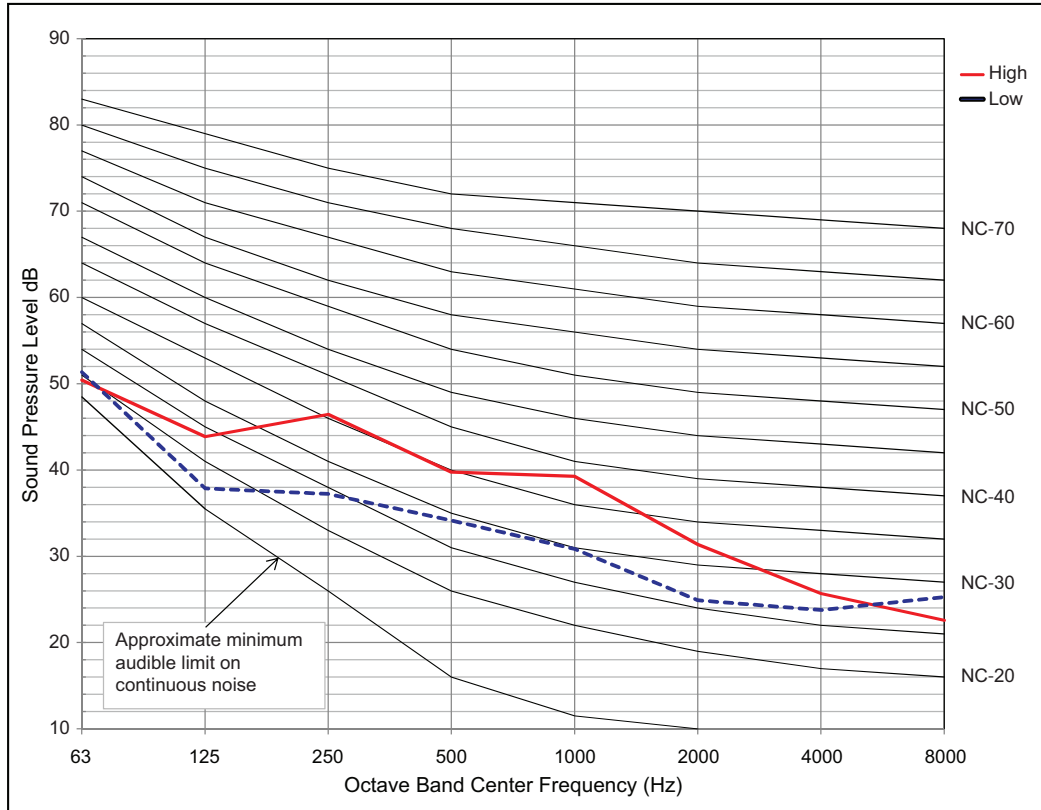
VMDB024H4



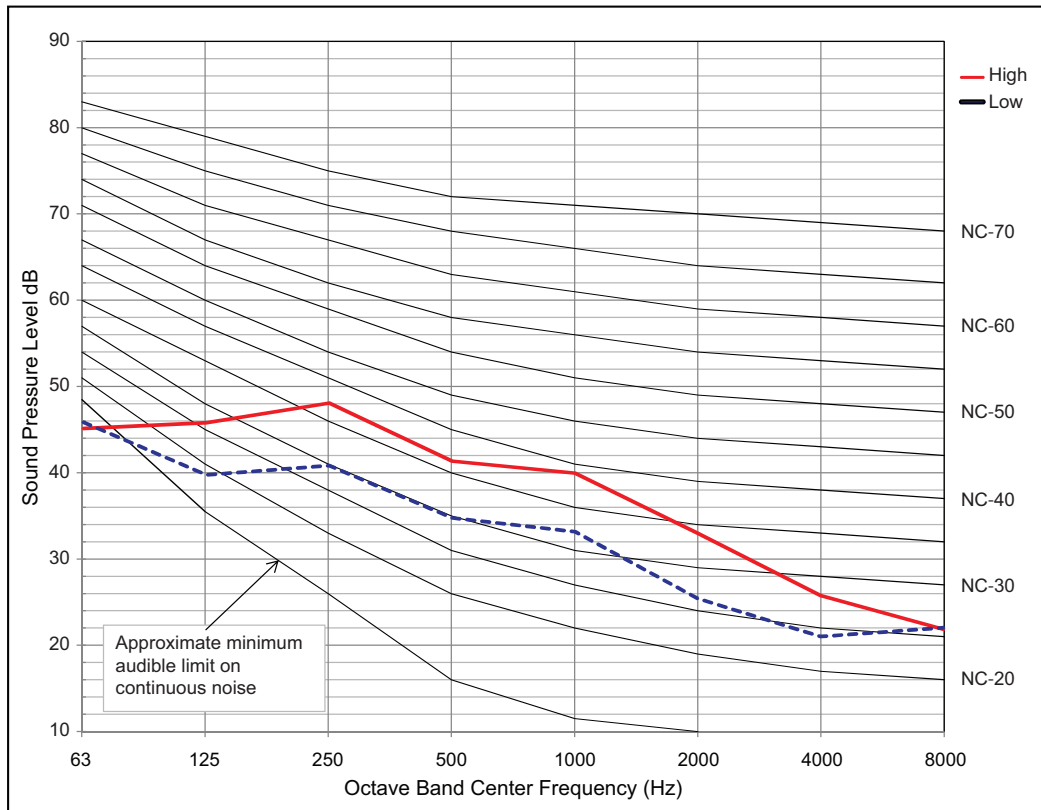
# SOUND DATA

## OCTAVE BAND SOUND DATA

VMDB030H4



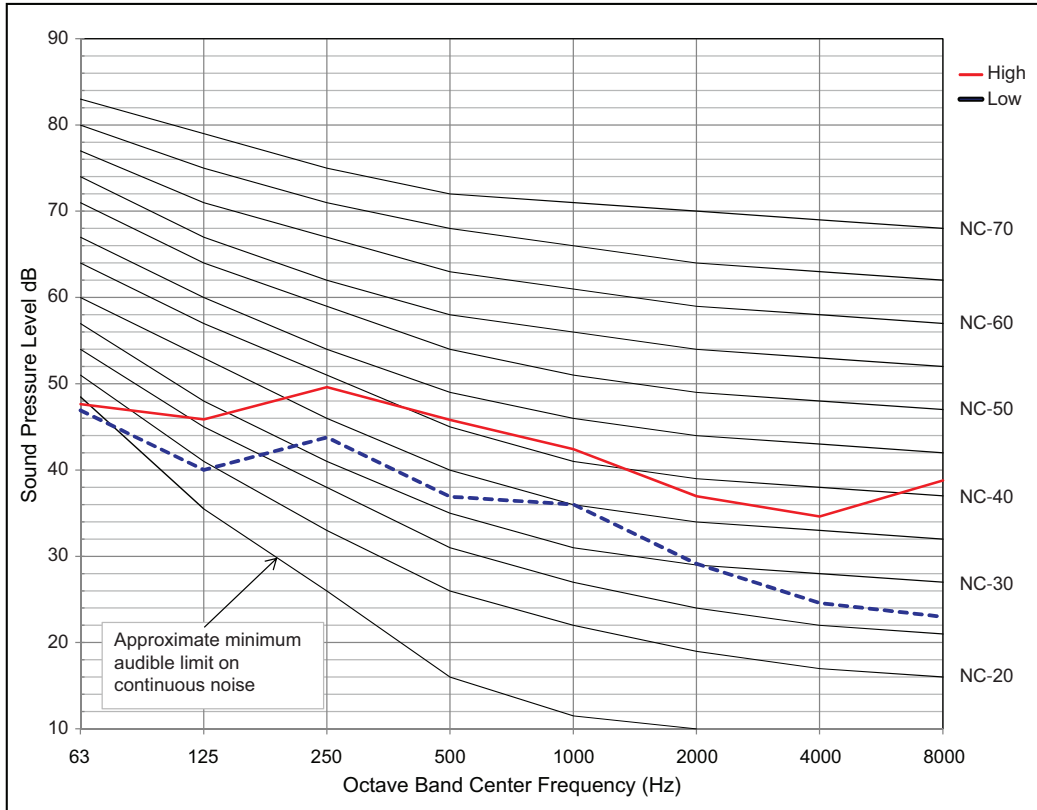
VMDB036H4



# SOUND DATA

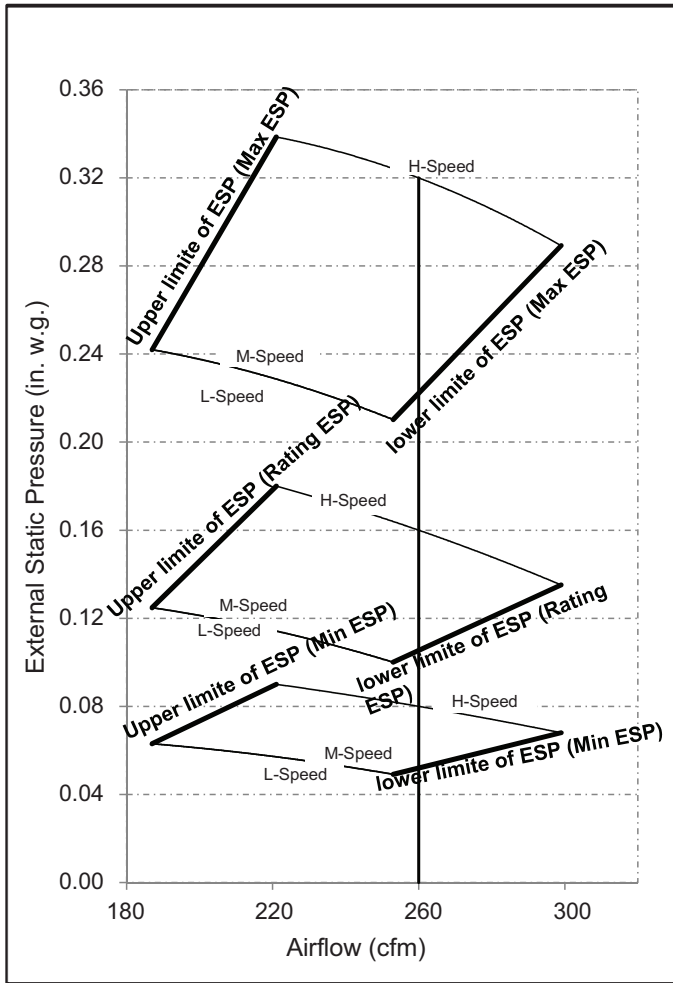
## OCTAVE BAND SOUND DATA

VMDB048H4



# BLOWER DATA

## VMDB007H4

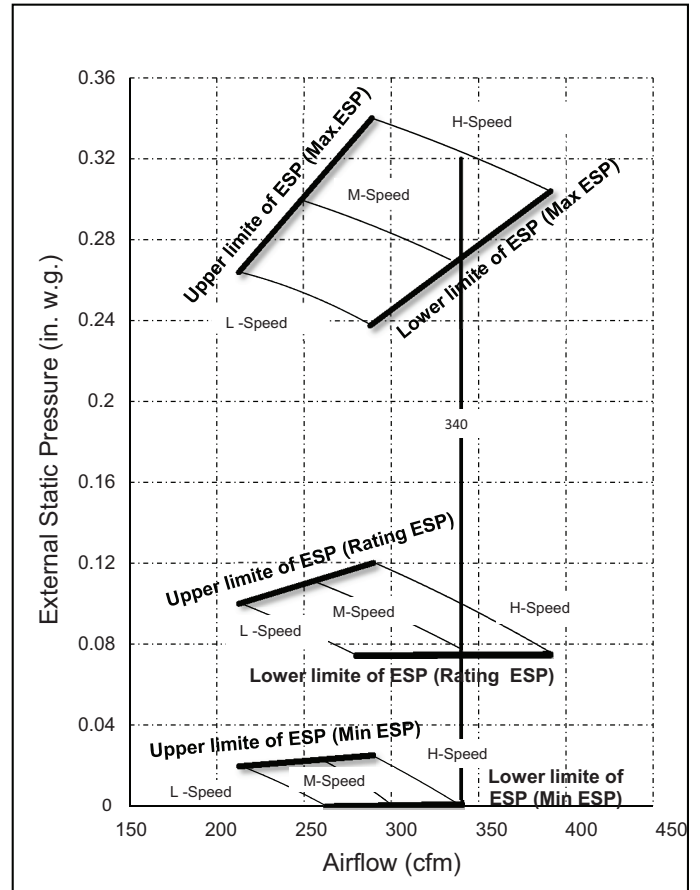


External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.08	H	299	0.07	260	0.08	221	0.09
0.16	H	299	0.14	260	0.16	221	0.18
0.24	H	299	0.22	260	0.24	221	0.27
0.32	H	299	0.29	260	0.32	221	0.34

**NOTES:**

There are six External Static Pressure settings.  
 The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).  
 The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.  
 Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.  
 The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).  
 The value in the table shows External Static Pressure at the rated air flow.  
 Set the External Static Pressure of the return duct at 0.32 in. w.g. or less.

## VMDB009H4



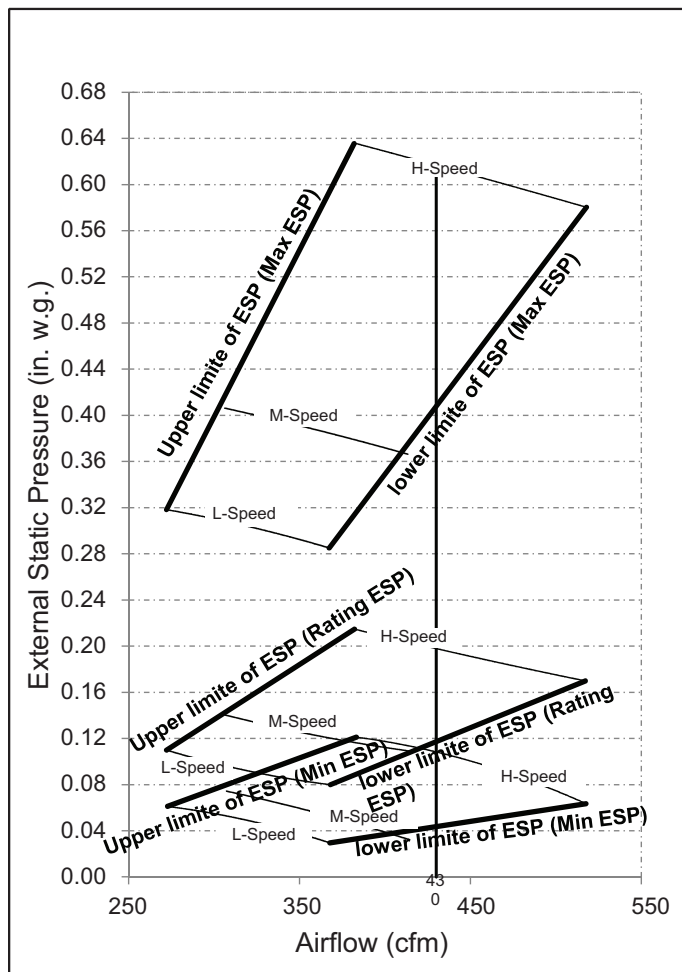
External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.00	H	391	0.00	340	0.00	289	0.01
0.04	H	391	0.04	340	0.04	289	0.07
0.08	H	391	0.08	340	0.08	289	0.11
0.12	H	391	0.12	340	0.12	289	0.15
0.16	H	391	0.16	340	0.16	289	0.18
0.20	H	391	0.20	340	0.20	289	0.22
0.24	H	391	0.24	340	0.24	289	0.27
0.28	H	391	0.28	340	0.28	289	0.31
0.32	H	391	0.32	340	0.32	289	0.33

**NOTES:**

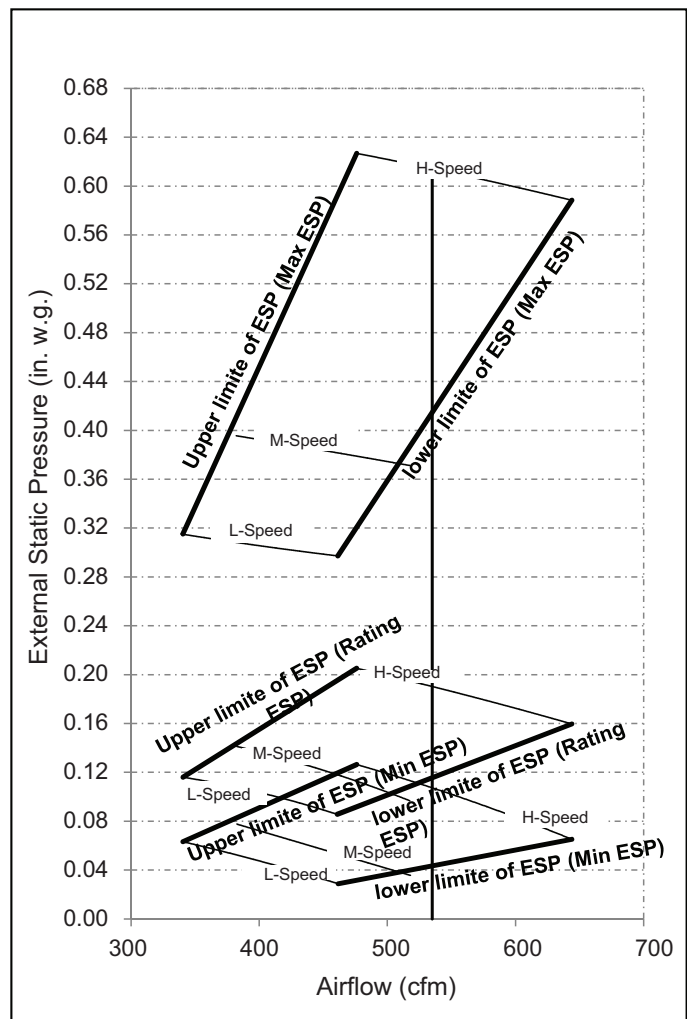
There are six External Static Pressure settings.  
 The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).  
 The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.  
 Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.  
 The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).  
 The value in the table shows External Static Pressure at the rated air flow.  
 Set the External Static Pressure of the return duct at 0.32 in. w.g. or less.

# BLOWER DATA

## VMDB012H4



## VMDB015H4



External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	518	0.06	430	0.10	383	0.12
0.20	H	518	0.17	430	0.19	383	0.21
0.30	H	518	0.28	430	0.31	383	0.33
0.40	H	518	0.38	430	0.39	383	0.42
0.50	H	518	0.49	430	0.51	383	0.54
0.60	H	518	0.58	430	0.61	383	0.64

**NOTES:**

There are six External Static Pressure settings.

The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).

The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.

Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.

The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).

The value in the table shows External Static Pressure at the rated air flow.

Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.

External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	644	0.07	535	0.10	476	0.13
0.20	H	644	0.16	535	0.18	476	0.21
0.30	H	644	0.28	535	0.29	476	0.32
0.40	H	644	0.36	535	0.40	476	0.42
0.50	H	644	0.46	535	0.48	476	0.51
0.60	H	644	0.59	535	0.61	476	0.63

**NOTES:**

There are six External Static Pressure settings.

The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).

The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.

Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.

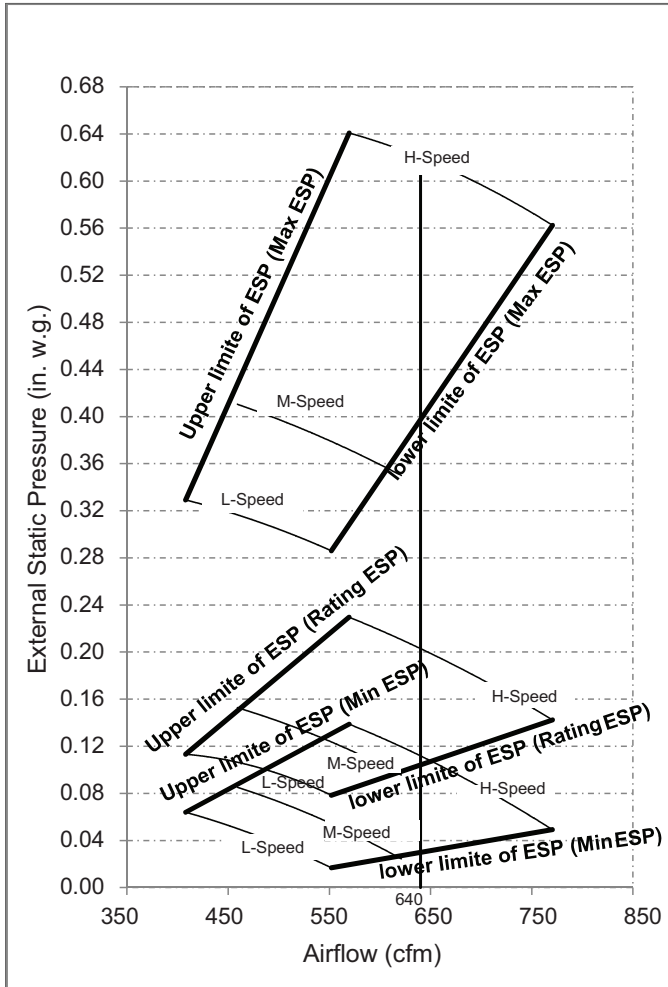
The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).

The value in the table shows External Static Pressure at the rated air flow.

Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.

# BLOWER DATA

## VMDB018H4

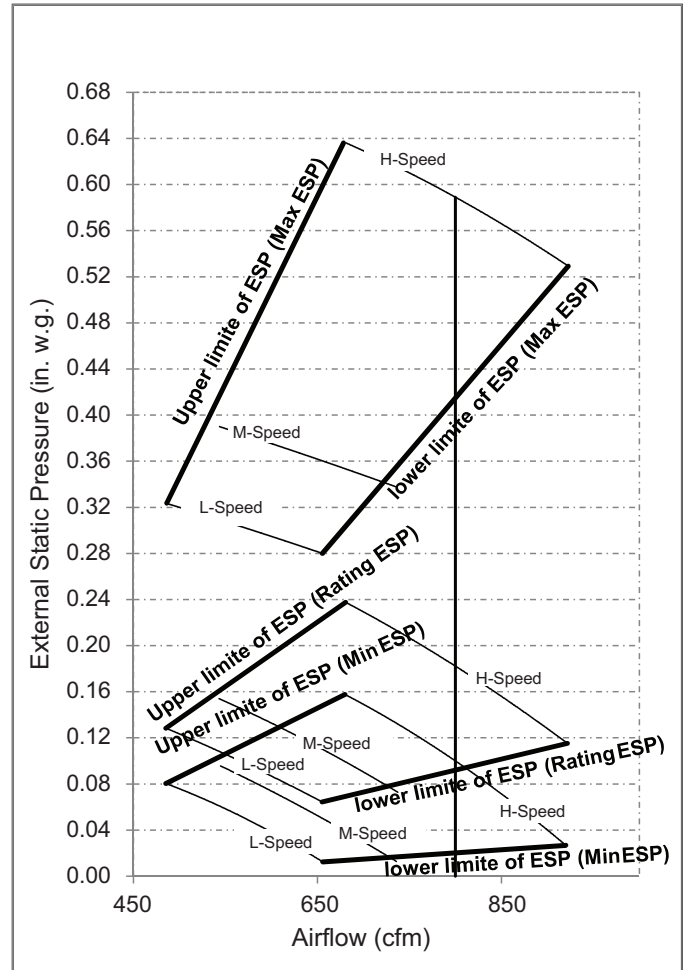


External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	771	0.05	640	0.10	570	0.14
0.20	H	771	0.14	640	0.19	570	0.23
0.30	H	771	0.26	640	0.29	570	0.32
0.40	H	771	0.36	640	0.38	570	0.42
0.50	H	771	0.46	640	0.51	570	0.55
0.60	H	771	0.56	640	0.61	570	0.64

**NOTES:**

There are six External Static Pressure settings.  
 The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).  
 The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.  
 Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.  
 The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).  
 The value in the table shows External Static Pressure at the rated air flow.  
 Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.

## VMDB024H4



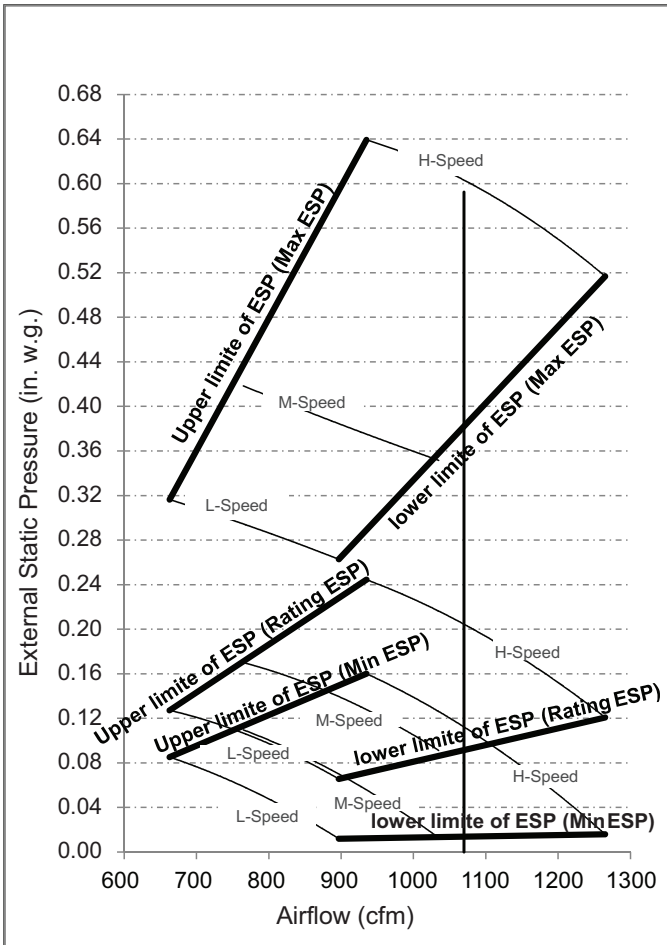
External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	920	0.03	800	0.10	680	0.16
0.20	H	920	0.12	800	0.18	680	0.24
0.30	H	920	0.22	800	0.29	680	0.32
0.40	H	920	0.30	800	0.33	680	0.39
0.50	H	920	0.42	800	0.46	680	0.50
0.60	H	920	0.53	800	0.59	680	0.64

**NOTES:**

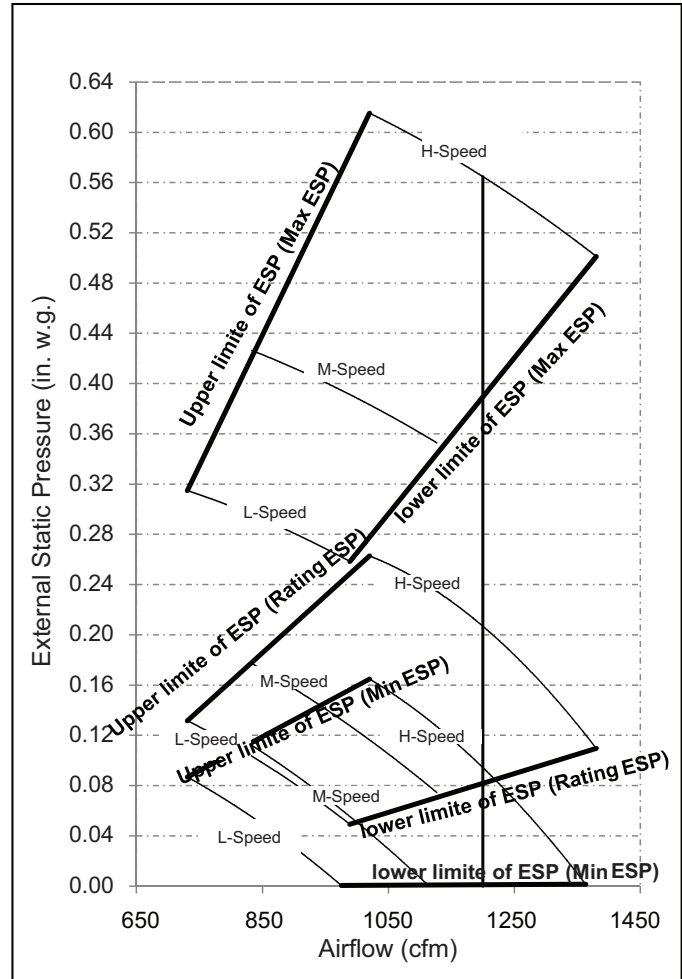
There are six External Static Pressure settings.  
 The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).  
 The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.  
 Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.  
 The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).  
 The value in the table shows External Static Pressure at the rated air flow.  
 Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.

# BLOWER DATA

## VMDB030H4



## VMDB036H4



External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	1265	0.02	1070	0.10	935	0.16
0.20	H	1265	0.12	1070	0.19	935	0.24
0.30	H	1265	0.24	1070	0.30	935	0.34
0.40	H	1265	0.33	1070	0.38	935	0.42
0.50	H	1265	0.44	1070	0.49	935	0.53
0.60	H	1265	0.52	1070	0.59	935	0.64

**NOTES:**

There are six External Static Pressure settings.

The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).

The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.

Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.

The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).

The value in the table shows External Static Pressure at the rated air flow.

Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.

External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	1366	0.00	1200	0.09	1020	0.16
0.20	H	1380	0.11	1200	0.21	1020	0.26
0.30	H	1380	0.21	1200	0.28	1020	0.34
0.40	H	1380	0.34	1200	0.40	1020	0.46
0.50	H	1380	0.44	1200	0.48	1020	0.55
0.60	H	1380	0.50	1200	0.56	1020	0.62

**NOTES:**

There are six External Static Pressure settings.

The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).

The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.

Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.

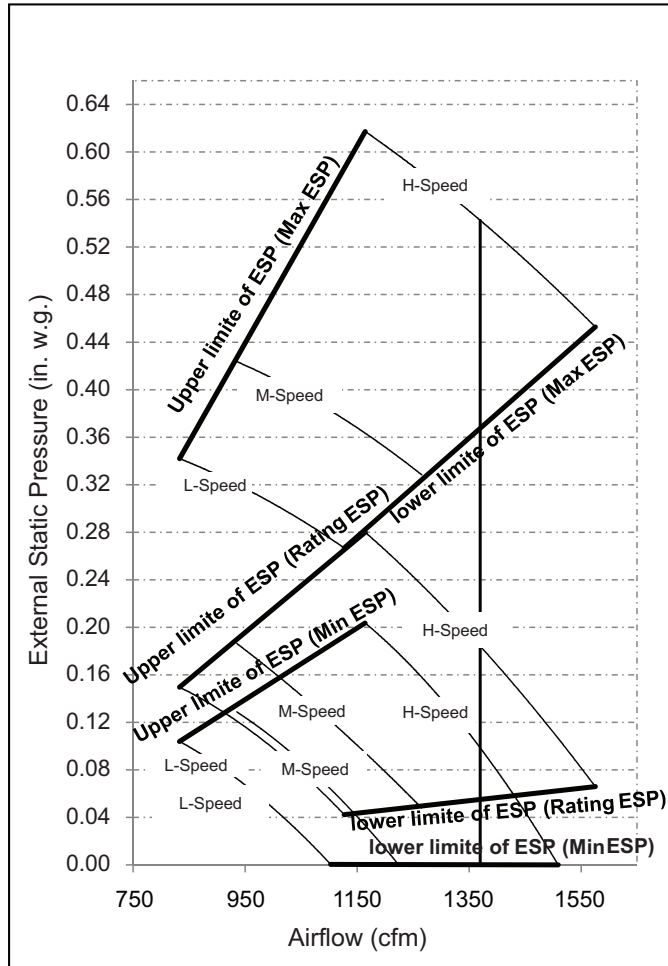
The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).

The value in the table shows External Static Pressure at the rated air flow.

Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.



**VMDB048H4**



External Static Pressure	Fan Speed	Max Point		Mid Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.10	H	1509	0.00	1370	0.10	1165	0.20
0.20	H	1576	0.07	1370	0.18	1165	0.28
0.30	H	1576	0.17	1370	0.29	1165	0.36
0.40	H	1576	0.31	1370	0.41	1165	0.47
0.50	H	1576	0.38	1370	0.52	1165	0.58
0.60	H	1576	0.45	1370	0.54	1165	0.62

**NOTES:**

There are six External Static Pressure settings.

The curve shows fan characteristics for MAX. ESP, Rating ESP and MIN. ESP for each External Static Pressure at high speed (H).

The table (for field setting of remote controller) shows a fan characteristics of each ESP at high speed (H) air flow.

Please select External Static Pressure setting by referencing the curve and table according to the resistance of the connected duct.

The Controller can be used to change indoor unit fan speed, high (H), medium (M) or low (L).

The value in the table shows External Static Pressure at the rated air flow.

Set the External Static Pressure of the return duct at 0.60 in. w.g. or less.

# 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
007	-10	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	9.31	7.11
	5	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	9.31	7.11
	10	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	9.31	7.11
	15	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	9.28	7.09
	20	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	9.15	6.99
	25	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	9.01	6.88
	30	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	8.88	6.78
	35	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	8.75	6.68
	40	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	8.61	6.58
	45	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	8.48	6.47
	50	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.16	6.17	8.34	6.37
	55	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.14	6.16	8.21	6.27
	60	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	8.01	6.06	8.07	6.17
	65	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	7.87	5.96	7.94	6.06
	70	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	7.74	5.86	7.81	5.96
	75	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	7.60	5.76	7.67	5.86
	80	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	7.47	5.65	7.54	5.75
	85	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	7.34	5.55	7.40	5.65
	90	4.11	2.96	4.98	3.67	5.84	4.40	7.00	5.33	7.20	5.45	7.27	5.55
	95	4.11	2.96	4.98	3.67	5.84	4.40	<b>7.00</b>	<b>5.33</b>	7.07	5.35	7.13	5.45
100	4.11	2.96	4.98	3.67	5.84	4.40	6.87	5.23	6.93	5.25	7.00	5.34	
105	4.11	2.96	4.98	3.67	5.84	4.40	6.73	5.12	6.78	5.13	6.79	5.18	
110	4.11	2.96	4.98	3.67	5.84	4.40	6.33	4.82	6.48	4.91	6.58	5.02	
115	4.11	2.96	4.76	3.51	4.88	3.68	5.03	3.83	5.19	3.93	5.34	4.08	
118	3.65	2.63	3.98	2.94	4.10	3.09	4.25	3.24	4.41	3.34	4.56	3.48	
125	2.08	1.50	2.20	1.62	2.32	1.75	2.47	1.88	2.63	1.99	2.78	2.12	
009	-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
	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	<b>8.50</b>	<b>6.38</b>	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	
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	4.69	3.33	5.12	3.72	5.27	3.92	5.47	4.10	5.67	4.23	5.87	4.42	
125	2.68	1.90	2.83	2.06	2.98	2.21	3.18	2.39	3.38	2.52	3.58	2.69	

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	MBH
012	-10	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.97	12.19
	5	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.97	12.19
	10	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.97	12.19
	15	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.91	12.15
	20	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.69	11.98
	25	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.45	11.80
	30	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	15.22	11.62
	35	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	14.99	11.45
	40	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	14.76	11.27
	45	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	14.53	11.10
	50	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.98	10.58	14.30	10.92
	55	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.96	10.56	14.07	10.74
	60	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.73	10.39	13.84	10.57
	65	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.50	10.22	13.61	10.39
	70	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.27	10.04	13.38	10.22
	75	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	13.04	9.87	13.15	10.04
	80	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	12.81	9.69	12.92	9.87
	85	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	12.58	9.52	12.69	9.69
	90	7.04	5.07	8.53	6.29	10.02	7.55	12.00	9.13	12.35	9.34	12.46	9.51
	95	7.04	5.07	8.53	6.29	10.02	7.55	<b>12.00</b>	<b>9.13</b>	12.12	9.17	12.23	9.34
100	7.04	5.07	8.53	6.29	10.02	7.55	11.77	8.96	11.89	9.00	11.99	9.16	
105	7.04	5.07	8.53	6.29	10.02	7.55	11.54	8.78	11.62	8.79	11.63	8.88	
110	7.04	5.07	8.53	6.29	10.02	7.55	10.85	8.26	11.12	8.41	11.27	8.61	
115	7.04	5.07	8.16	6.02	8.36	6.30	8.63	6.57	8.89	6.73	9.16	6.99	
118	6.25	4.51	6.82	5.03	7.02	5.29	7.29	5.55	7.56	5.72	7.82	5.97	
125	3.57	2.57	3.77	2.78	3.97	2.99	4.24	3.22	4.50	3.41	4.77	3.64	
015	-10	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.96	15.24
	5	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.96	15.24
	10	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.96	15.24
	15	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.89	15.18
	20	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.61	14.97
	25	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.32	14.75
	30	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	19.03	14.53
	35	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	18.74	14.31
	40	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	18.45	14.09
	45	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	18.17	13.87
	50	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.48	13.23	17.88	13.65
	55	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.45	13.20	17.59	13.43
	60	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	17.16	12.99	17.30	13.21
	65	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	16.87	12.77	17.02	12.99
	70	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	16.58	12.55	16.73	12.77
	75	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	16.30	12.33	16.44	12.55
	80	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	16.01	12.12	16.15	12.33
	85	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	15.72	11.90	15.86	12.11
	90	8.80	6.34	10.66	7.87	12.52	9.44	15.00	11.42	15.43	11.68	15.58	11.89
	95	8.80	6.34	10.66	7.87	12.52	9.44	<b>15.00</b>	<b>11.42</b>	15.14	11.46	15.29	11.67
100	8.80	6.34	10.66	7.87	12.52	9.44	14.71	11.20	14.86	11.24	14.99	11.45	
105	8.80	6.34	10.66	7.87	12.52	9.44	14.42	10.98	14.52	10.99	14.54	11.10	
110	8.80	6.34	10.66	7.87	12.52	9.44	13.56	10.32	13.90	10.52	14.09	10.76	
115	8.80	6.34	10.20	7.53	10.45	7.88	10.78	8.21	11.12	8.41	11.45	8.74	
118	7.82	5.63	8.53	6.29	8.78	6.62	9.11	6.93	9.44	7.15	9.78	7.46	
125	4.46	3.22	4.71	3.48	4.96	3.74	5.30	4.03	5.63	4.26	5.96	4.55	

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
018	-10	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	23.95	18.29
	5	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	23.95	18.29
	10	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	23.95	18.29
	15	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	23.87	18.23
	20	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	23.53	17.96
	25	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	23.18	17.70
	30	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	22.84	17.43
	35	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	22.49	17.17
	40	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	22.14	16.91
	45	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	21.80	16.64
	50	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.98	15.88	21.45	16.38
	55	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.94	15.85	21.11	16.12
	60	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.59	15.58	20.76	15.85
	65	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	20.25	15.32	20.42	15.59
	70	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	19.90	15.06	20.07	15.33
	75	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	19.55	14.80	19.73	15.06
	80	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	19.21	14.54	19.38	14.80
	85	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	18.86	14.28	19.04	14.53
	90	10.56	7.61	12.79	9.44	15.02	11.33	18.00	13.70	18.52	14.02	18.69	14.27
	95	10.56	7.61	12.79	9.44	15.02	11.33	<b>18.00</b>	<b>13.70</b>	18.17	13.75	18.35	14.01
100	10.56	7.61	12.79	9.44	15.02	11.33	17.65	13.44	17.83	13.49	17.99	13.73	
105	10.56	7.61	12.79	9.44	15.02	11.33	17.31	13.18	17.43	13.19	17.45	13.32	
110	10.56	7.61	12.79	9.44	15.02	11.33	16.27	12.39	16.67	12.62	16.91	12.91	
115	10.56	7.61	12.24	9.03	12.54	9.45	12.94	9.85	13.34	10.10	13.74	10.49	
118	9.38	6.76	10.23	7.55	10.53	7.94	10.93	8.32	11.33	8.58	11.73	8.96	
125	5.35	3.86	5.65	4.17	5.95	4.49	6.35	4.84	6.75	5.11	7.15	5.46	
024	-10	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	31.93	24.38
	5	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	31.93	24.38
	10	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	31.93	24.38
	15	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	31.82	24.30
	20	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	31.37	23.95
	25	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	30.91	23.60
	30	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	30.45	23.25
	35	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	29.99	22.89
	40	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	29.53	22.54
	45	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	29.07	22.19
	50	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.97	21.17	28.61	21.84
	55	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.91	21.13	28.15	21.49
	60	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	27.45	20.78	27.68	21.14
	65	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	26.99	20.43	27.22	20.79
	70	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	26.53	20.08	26.76	20.43
	75	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	26.07	19.73	26.30	20.08
	80	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	25.61	19.39	25.84	19.73
	85	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	25.15	19.04	25.38	19.38
	90	14.08	10.15	17.06	12.59	20.03	15.10	24.00	18.27	24.69	18.69	24.92	19.03
	95	14.08	10.15	17.06	12.59	20.03	15.10	<b>24.00</b>	<b>18.27</b>	24.23	18.34	24.46	18.68
100	14.08	10.15	17.06	12.59	20.03	15.10	23.54	17.92	23.77	17.99	23.99	18.31	
105	14.08	10.15	17.06	12.59	20.03	15.10	23.08	17.57	23.23	17.59	23.27	17.76	
110	14.08	10.15	17.06	12.59	20.03	15.10	21.70	16.52	22.23	16.83	22.55	17.21	
115	14.08	10.15	16.32	12.04	16.72	12.61	17.25	13.13	17.79	13.46	18.32	13.99	
118	12.51	9.01	13.64	10.07	14.04	10.59	14.58	11.10	15.11	11.44	15.64	11.94	
125	7.14	5.14	7.54	5.56	7.94	5.98	8.47	6.45	9.01	6.82	9.54	7.28	

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
030	-10	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	39.92	30.48
	5	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	39.92	30.48
	10	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	39.92	30.48
	15	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	39.78	30.37
	20	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	39.22	29.94
	25	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	38.63	29.50
	30	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	38.06	29.06
	35	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	37.48	28.62
	40	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	36.91	28.18
	45	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	36.33	27.74
	50	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.96	26.46	35.76	27.30
	55	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.89	26.41	35.18	26.86
	60	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	34.32	25.97	34.61	26.42
	65	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	33.74	25.54	34.03	25.98
	70	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	33.17	25.10	33.45	25.54
	75	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	32.59	24.67	32.88	25.10
	80	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	32.02	24.23	32.30	24.66
	85	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	31.44	23.80	31.73	24.22
	90	17.60	12.69	21.32	15.73	25.04	18.88	30.00	22.83	30.86	23.36	31.15	23.78
	95	17.60	12.69	21.32	15.73	25.04	18.88	<b>30.00</b>	<b>22.83</b>	30.29	22.92	30.58	23.35
100	17.60	12.69	21.32	15.73	25.04	18.88	29.42	22.40	29.71	22.49	29.98	22.89	
105	17.60	12.69	21.32	15.73	25.04	18.88	28.85	21.96	29.04	21.98	29.08	22.20	
110	17.60	12.69	21.32	15.73	25.04	18.88	27.12	20.64	27.79	21.03	28.18	21.52	
115	17.60	12.69	20.40	15.05	20.90	15.76	21.57	16.42	22.23	16.83	22.90	17.48	
118	15.64	11.27	17.05	12.58	17.55	13.23	18.22	13.87	18.89	14.30	19.55	14.93	
125	8.92	6.43	9.42	6.95	9.92	7.48	10.59	8.06	11.26	8.52	11.92	9.10	
036	-10	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	47.90	36.57
	5	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	47.90	36.57
	10	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	47.90	36.57
	15	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	47.74	36.45
	20	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	47.05	35.92
	25	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	46.36	35.40
	30	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	45.67	34.87
	35	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	44.98	34.34
	40	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	44.29	33.82
	45	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	43.60	33.29
	50	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.95	31.75	42.91	32.76
	55	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.87	31.69	42.22	32.23
	60	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	41.18	31.17	41.53	31.71
	65	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	40.49	30.65	40.84	31.18
	70	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	39.80	30.12	40.15	30.65
	75	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	39.11	29.60	39.46	30.12
	80	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	38.42	29.08	38.76	29.60
	85	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	37.73	28.56	38.07	29.07
	90	21.12	15.22	25.59	18.88	30.05	22.65	36.00	27.40	37.04	28.03	37.38	28.54
	95	21.12	15.22	25.59	18.88	30.05	22.65	<b>36.00</b>	<b>27.40</b>	36.35	27.51	36.69	28.01
100	21.12	15.22	25.59	18.88	30.05	22.65	35.31	26.88	35.66	26.99	35.98	27.47	
105	21.12	15.22	25.59	18.88	30.05	22.65	34.62	26.35	34.85	26.38	34.90	26.65	
110	21.12	15.22	25.59	18.88	30.05	22.65	32.55	24.77	33.35	25.24	33.82	25.82	
115	21.12	15.22	24.48	18.06	25.08	18.91	25.88	19.70	26.68	20.19	27.48	20.98	
118	18.76	13.52	20.47	15.10	21.07	15.88	21.87	16.64	22.67	17.16	23.47	17.92	
125	10.71	7.72	11.31	8.34	11.91	8.98	12.71	9.67	13.51	10.22	14.31	10.92	

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
048	-10	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	63.87	48.76
	5	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	63.87	48.76
	10	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	63.87	48.76
	15	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	63.64	48.59
	20	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	62.75	47.91
	25	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	61.82	47.20
	30	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	60.89	46.49
	35	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	59.97	45.79
	40	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	59.05	45.09
	45	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	58.13	44.38
	50	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.93	42.34	57.21	43.68
	55	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	55.83	42.26	56.29	42.98
	60	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	54.91	41.56	55.37	42.27
	65	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	53.99	40.86	54.45	41.57
	70	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	53.07	40.16	53.53	40.87
	75	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	52.15	39.47	52.61	40.17
	80	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	51.22	38.77	51.69	39.46
	85	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	50.30	38.07	50.77	38.76
	90	28.17	20.30	34.12	25.17	40.07	30.21	48.00	36.54	49.38	37.38	49.84	38.06
	95	28.17	20.30	34.12	25.17	40.07	30.21	<b>48.00</b>	<b>36.54</b>	48.46	36.68	48.92	37.35
100	28.17	20.30	34.12	25.17	40.07	30.21	47.08	35.83	47.54	35.98	47.97	36.63	
105	28.17	20.30	34.12	25.17	40.07	30.21	46.16	35.13	46.47	35.17	46.53	35.53	
110	28.17	20.30	34.12	25.17	40.07	30.21	43.40	33.03	44.46	33.65	45.09	34.43	
115	28.17	20.30	32.64	24.08	33.44	25.21	34.51	26.27	35.58	26.93	36.64	27.98	
118	25.02	18.03	27.29	20.13	28.09	21.17	29.15	22.19	30.22	22.87	31.29	23.89	
125	14.28	10.29	15.08	11.12	15.88	11.97	16.94	12.90	18.01	13.63	19.08	14.57	

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
007	-13	-14	3.61	3.45	3.29	3.13	2.96	2.85
	-8	-9	4.04	3.88	3.72	3.55	3.39	3.28
	-3	-4	4.47	4.31	4.14	3.98	3.82	3.71
	2	1	4.90	4.73	4.57	4.41	4.25	4.14
	7	6	5.32	5.16	5.00	4.84	4.67	4.56
	12	10	5.67	5.50	5.34	5.18	5.02	4.91
	17	15	6.09	5.93	5.77	5.61	5.44	5.33
	22	20	6.52	6.36	6.20	6.03	5.87	5.76
	27	24	6.86	6.70	6.54	6.38	6.21	6.10
	32	29	7.29	7.13	6.97	6.80	6.64	6.53
	37	34	7.72	7.56	7.39	7.23	7.07	6.96
	42	38	8.06	7.90	7.74	7.57	7.41	7.07
	<b>47</b>	<b>43</b>	8.49	8.33	8.16	<b>8.00</b>	7.44	7.07
	52	47	8.83	8.67	8.51	8.00	7.44	7.07
	57	52	9.26	9.10	8.56	8.00	7.44	7.07
	62	56	9.60	9.12	8.56	8.00	7.44	7.07
	67	61	9.67	9.12	8.56	8.00	7.44	7.07
	72	66	9.67	9.12	8.56	8.00	7.44	7.07
75	69	9.67	9.12	8.56	8.00	7.44	7.07	
80	74	9.67	9.12	8.56	8.00	7.44	7.07	
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
	<b>47</b>	<b>43</b>	11.57	11.35	11.12	<b>10.90</b>	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	
80	74	13.18	12.42	11.66	10.90	10.14	9.63	

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	
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	<b>13.60</b>	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	
80	74	16.45	15.50	14.55	13.60	12.65	12.02	
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	<b>17.00</b>	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	
80	74	20.56	19.37	18.19	17.00	15.81	15.02	

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
018	-13	-14	9.49	9.06	8.63	8.20	7.78	7.49
	-8	-9	10.61	10.18	9.75	9.33	8.90	8.61
	-3	-4	11.73	11.30	10.88	10.45	10.02	9.74
	2	1	12.85	12.43	12.00	11.57	11.14	10.86
	7	6	13.98	13.55	13.12	12.70	12.27	11.98
	12	10	14.88	14.45	14.02	13.59	13.17	12.88
	17	15	16.00	15.57	15.14	14.72	14.29	14.00
	22	20	17.12	16.69	16.27	15.84	15.41	15.13
	27	24	18.02	17.59	17.16	16.74	16.31	16.03
	32	29	19.14	18.72	18.29	17.86	17.43	17.15
	37	34	20.27	19.84	19.41	18.98	18.56	18.27
	42	38	21.16	20.74	20.31	19.88	19.45	18.56
	47	43	22.29	21.86	21.43	<b>21.00</b>	19.53	18.56
	52	47	23.18	22.76	22.33	21.00	19.53	18.56
	57	52	24.31	23.88	22.47	21.00	19.53	18.56
	62	56	25.21	23.93	22.47	21.00	19.53	18.56
	67	61	25.40	23.93	22.47	21.00	19.53	18.56
	72	66	25.40	23.93	22.47	21.00	19.53	18.56
75	69	25.40	23.93	22.47	21.00	19.53	18.56	
80	74	25.40	23.93	22.47	21.00	19.53	18.56	
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	<b>27.00</b>	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	
80	74	32.65	30.77	28.88	27.00	25.12	23.86	

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
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	<b>34.00</b>	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	
80	74	41.12	38.74	36.37	34.00	31.63	30.05	
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	<b>42.00</b>	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	
80	74	50.79	47.86	44.93	42.00	39.07	37.12	

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					
048	-13	-14	24.61	23.51	22.41	21.31	20.21	19.48
	-8	-9	27.47	26.38	25.28	24.18	23.08	22.35
	-3	-4	30.34	29.24	28.15	27.05	25.95	25.21
	2	1	33.21	32.11	31.01	29.92	28.82	28.08
	7	6	36.08	34.98	33.88	32.78	31.68	30.95
	12	10	38.38	37.28	36.18	35.08	33.98	33.25
	17	15	41.24	40.15	39.05	37.95	36.85	36.12
	22	20	44.11	43.01	41.91	40.82	39.72	38.98
	27	24	46.41	45.31	44.21	43.11	42.01	41.28
	32	29	49.28	48.18	47.08	45.98	44.88	44.15
	37	34	52.14	51.05	49.95	48.85	47.75	47.02
	42	38	54.44	53.34	52.24	51.14	50.04	47.72
	<b>47</b>	<b>43</b>	57.31	56.21	55.11	<b>54.00</b>	50.23	47.72
	52	47	59.60	58.50	57.41	54.00	50.23	47.72
	57	52	62.47	61.37	57.77	54.00	50.23	47.72
	62	56	64.77	61.53	57.77	54.00	50.23	47.72
	67	61	65.30	61.53	57.77	54.00	50.23	47.72
72	66	65.30	61.53	57.77	54.00	50.23	47.72	
75	69	65.30	61.53	57.77	54.00	50.23	47.72	
80	74	65.30	61.53	57.77	54.00	50.23	47.72	

NOTE - MBH = 1000 BTUs per hour.

## REVISIONS

Sections	Description of Change
Electrical Data	Updated Full Load Amps and Minimum Circuit Ampacity data.



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