



VRF

VHIB
(-3)
High Efficiency High-Static Ducted Indoor Units - 60Hz

**COMMERCIAL
PRODUCT SPECIFICATIONS**

Bulletin No. 210890
January 2020
Supersedes April 2019

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Compact design for limited space requirements. Installs out of sight between the drop ceiling and ceiling slab with ducted distribution to the indoor space.

External static pressure up to 1.0 in. water gauge, allowing extended ductwork if necessary.

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 selected temperature which prevents the discharge of cold air while the system is operating in the "heating" mode
- **Digital 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)

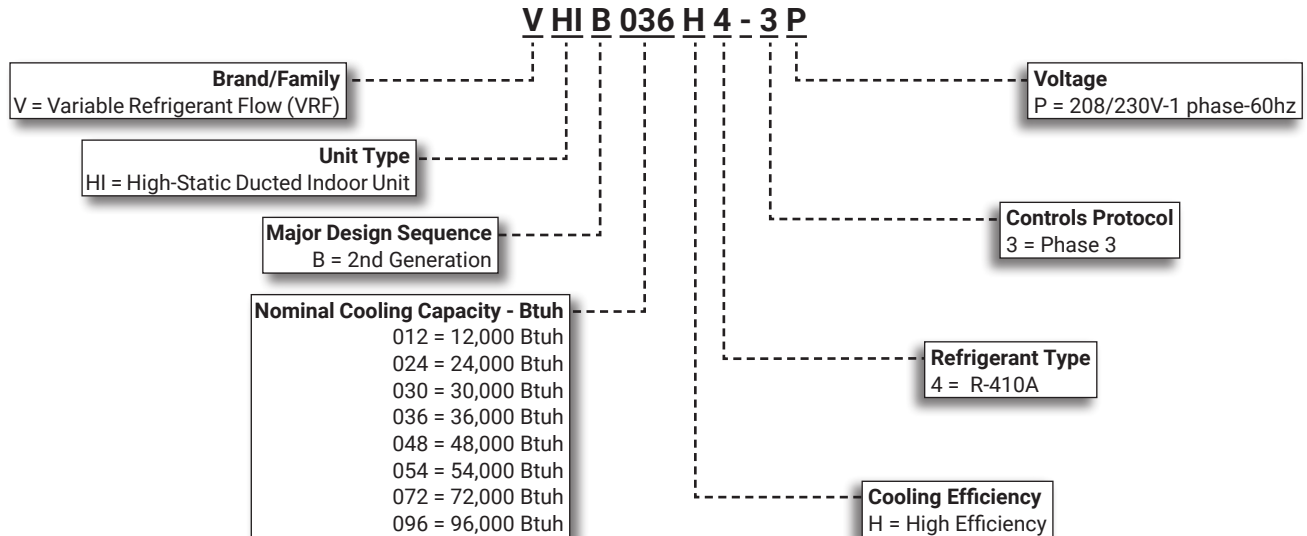


- **Auto Addressing** - An optional wireless remote control (not furnished) can be used to inquire and modify each indoor unit's address
- **Three-Stage Fan Speed (High Efficiency DC Motor)** - Fan functions at three levels: low, medium, high
- **Auto Restart** - Automatically restores the previous function setting if power is interrupted
- **Condensate Pump Connection** - Control board has connection for condensate pump (furnished)
- **Electronic Expansion Valve** - Assures optimal performance throughout the application range
- **Braze Connections** - Equipped with liquid and gas braze fittings for quick and secure piping
- **Air Filter** - Cleanable air filter is furnished as standard with 036-054 models only
- **Lift Pump** - Furnished and factory installed on 012-054 models

Optional Accessories

- **Drain Pump Kit (072 and 096 models only)**
- Drain pump kit V8DRNP05 (17U32), 20 in. lift

MODEL NUMBER IDENTIFICATION



SPECIFICATIONS
012 - 036

General Data		Nominal kBtuh	12	24	30	36
		Model Number	VHIB012H4	VHIB024H4	VHIB030H4	VHIB036H4
¹ Cooling Performance	Net Cooling Capacity - Btuh		12,000	24,000	30,000	36,000
	Total Unit Power Input (W)		48	106	170	258
	Rated current (A)		0.5	1	1.5	2
¹ Heating Performance	Net Heating Capacity - Btuh		13,500	27,000	34,000	40,000
	Total Unit Power Input (W)		44	96	170	258
	Rated current (A)		0.5	1	1.5	2
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A
Indoor fan motor	Input - W		81	81	140	190
	Speed (high / medium / low) - rpm		619 / 601 / 576	745 / 620 / 551	888 / 731 / 643	1012 / 914 / 798
Indoor coil	Number of rows		2	2	3	3
	Fin spacing - in.		1/16	1/16	1/16	1/16
	Number of circuits		4	4	7	7
	Tube outside diameter and type - in.		3/8 - 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	3/8	3/8	3/8
	Gas pipe o.d. - in. (flare)		1/2	5/8	5/8	5/8
	Drain connection o.d. - in.		(1) 1	(1) 1	(1) 1	(1) 1
Indoor Blower	⁴ Airflow (high / medium / low) - cfm		400 / 340 / 280	735 / 600 / 524	971 / 753 / 647	1188 / 1029 / 882
	External static pressure - in. w.g.		0.2~0.8	0.2~0.8	0.2~0.8	0.2~0.8
	Sound data (high / medium / low) dBA		35.1/34.6/33.8	50.7/45.7/42.7	52.3/46.8/43.3	55.2/52.4/48.8
Filter Size - in. (furnished)		28-3/8 x 13-1/4 x 3/8				
Control Wiring (AWG)		2-Core Shielded, Stranded, Polarity Sensitive, 18 AWG				
Weight Data	Unit weight (net / shipping) - lbs.		105 / 162	110 / 168	115 / 171	115 / 171

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		2.5	3.7	4	4.8
	Indoor Blower Motor - Full load amps		2	2.9	3.2	3.8

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.

⁴ Air volume values shown are typical. Please refer to the blower data curves for cfm values at varying static pressures.

SPECIFICATIONS
048 - 096

General Data		Nominal kBtu/h	48	54	72	96
		Model Number	VHIB048H4	VHIB054H4	VHIB072H4	VHIB096H4
¹ Cooling Performance	Net Cooling Capacity - Btu/h		48,000	53,500	72,000	96,000
	Total Unit Power Input (W)		247	378	404	711
	Rated current (A)		2	3	3	5
¹ Heating Performance	Net Heating Capacity - Btu/h		54,000	60,000	81,000	108,000
	Total Unit Power Input (W)		224	344	390	686
	Rated current (A)		2	3	3	5
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A
Indoor fan motor	Input - W		220	420	245*2	395*2
	Speed (high / medium / low) - rpm		916/790/709	1039/951/838	910/730/649	1043/900/795
Indoor coil	Number of rows		4	4	4	4
	Fin spacing - in.		1/16	1/16	5/64	5/64
	Number of circuits		7	7	20	20
	Tube outside diameter and type - in.		3/8 - 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	7/8	7/8
	Drain connection o.d. - in.		(1) 1	(1) 1	(1) 1-1/2	(1) 1-1/2
Indoor Blower	⁴ Airflow (high / medium / low) - cfm		1429 / 1200 / 1041	1835 / 1618 / 1412	2235 / 1794 / 1559	2824 / 2400 / 2076
	External static pressure - in. w.g.		0.2~0.8	0.2~0.8	0.2~1.0	0.2~1.0
	Sound data (high / medium / low) dBA		56.4/53.1/49.5	58.1/55.6/52.6	58.5/53.7/50.4	59.2/56.7/53.5
Filter Size - in. (furnished)			42-5/8 x 13-1/4 x 3/8			
Control Wiring (AWG)			2-Core Shielded, Stranded, Polarity Sensitive, 18 AWG			
Weight Data	Unit weight (net / shipping) - lbs.		159 / 232	159 / 232	254 / 342	254 / 342
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		6.4	6.5	9.6	10.2
	Indoor Blower Motor - Full load amps		5.1	5.2	(1) 4.25, (1) 4.25	(1) 4.5, (1) 4.5

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.

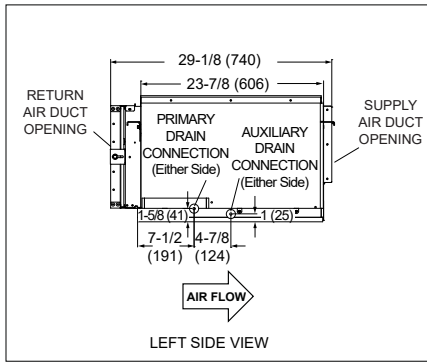
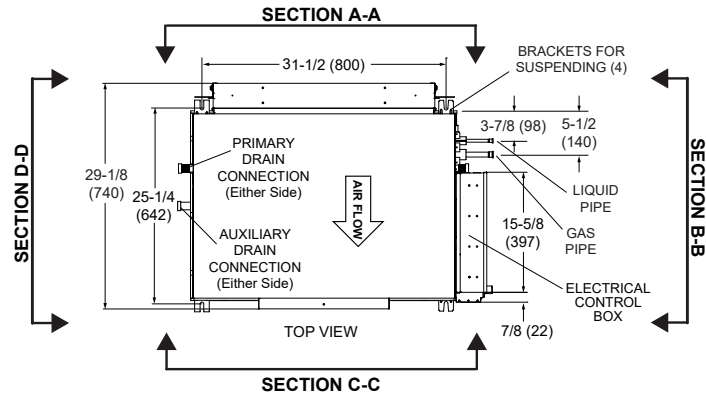
² HACR type circuit breaker or fuse.

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

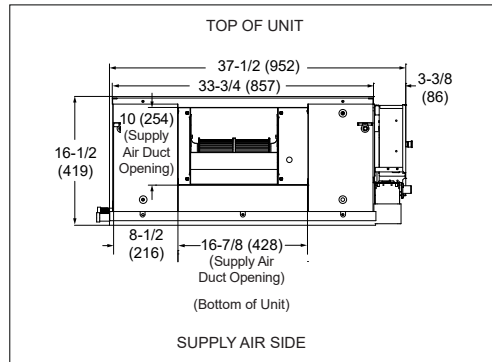
⁴ Air volume values shown are typical. Please refer to the blower data curves for cfm values at varying static pressures.

DIMENSIONS

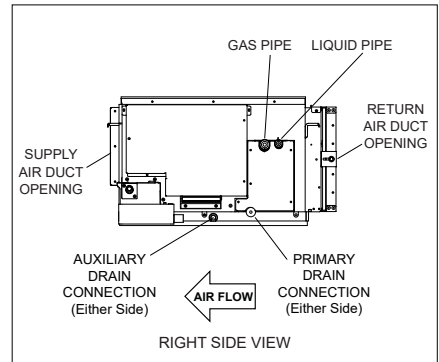
VHIB012H4, VHIB024H4, VHIB030H4, VHIB036H4



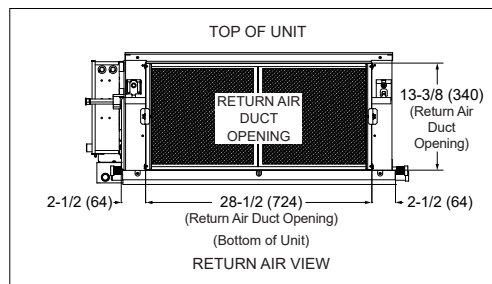
SECTION D-D



SECTION C-C



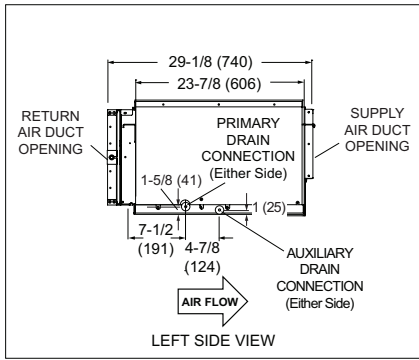
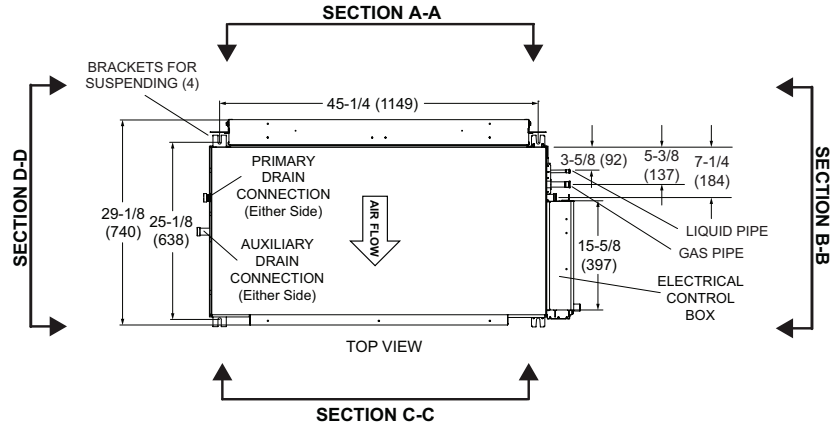
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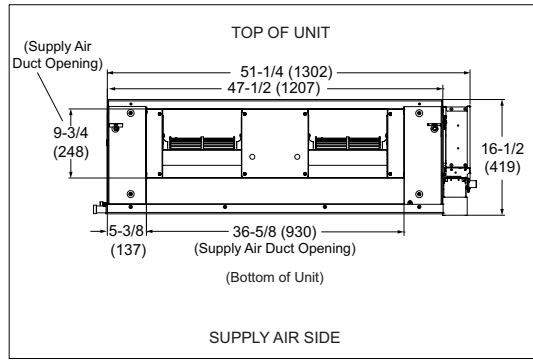
SECTION A-A

DIMENSIONS

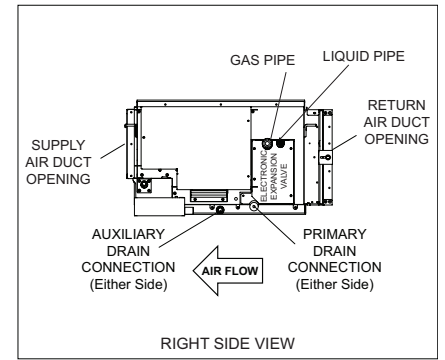
VHIB048H4, VHIB054H4



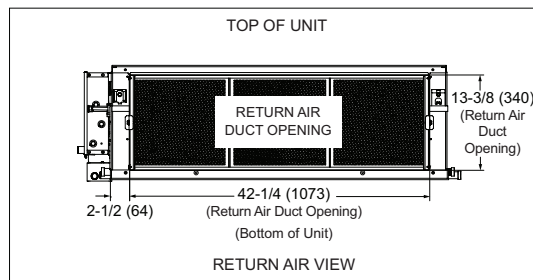
SECTION D-D



SECTION C-C



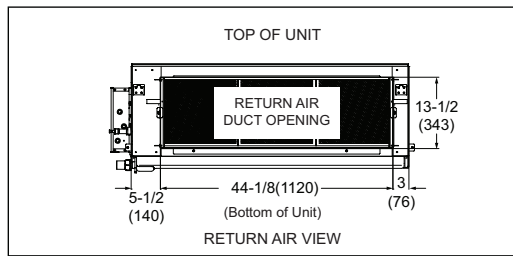
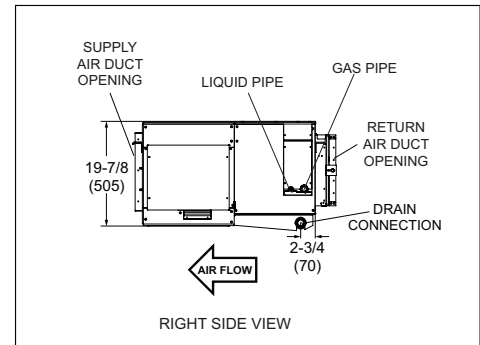
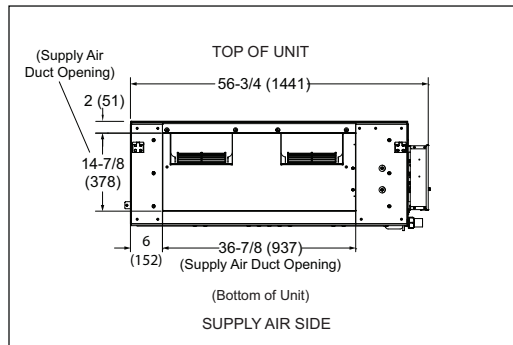
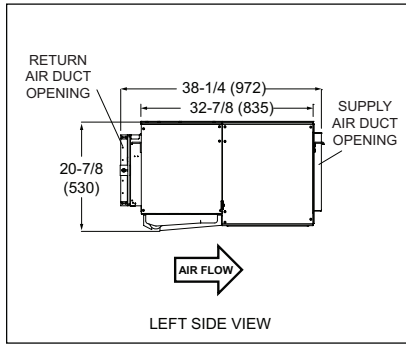
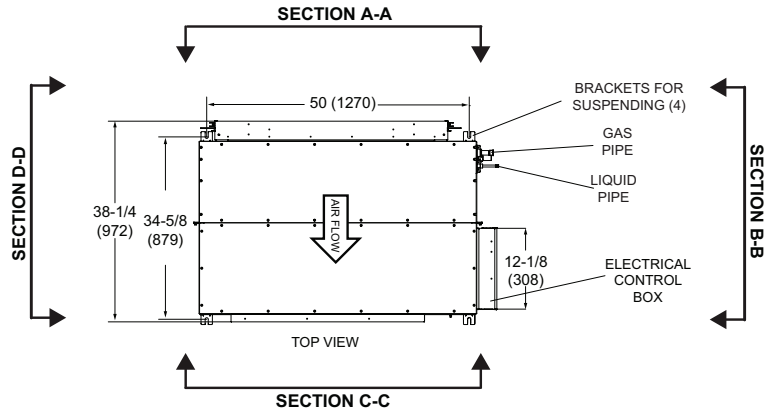
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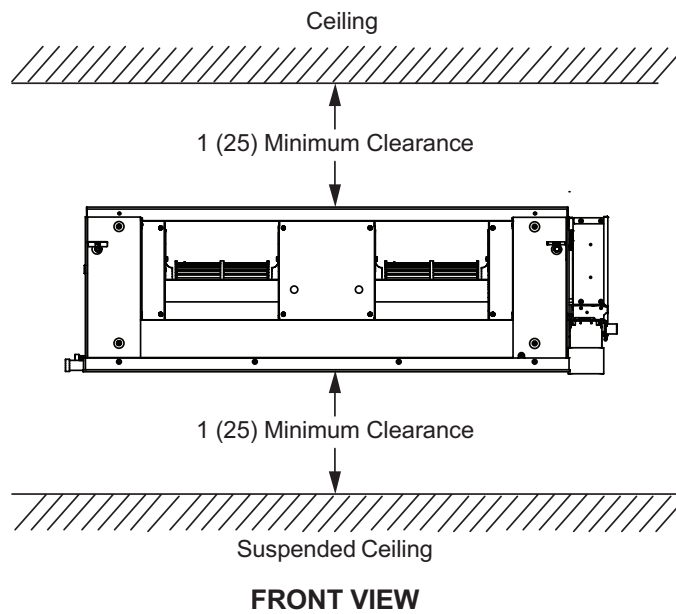
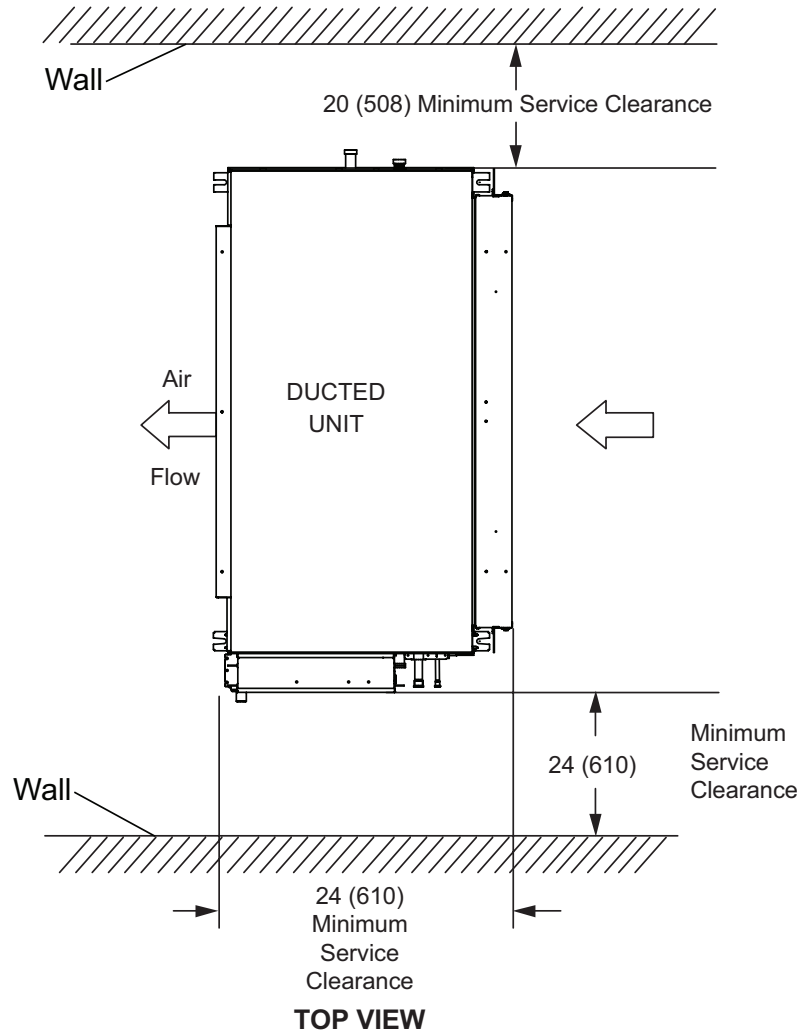
SECTION A-A

DIMENSIONS

VHIB072H4, VHIB096H4

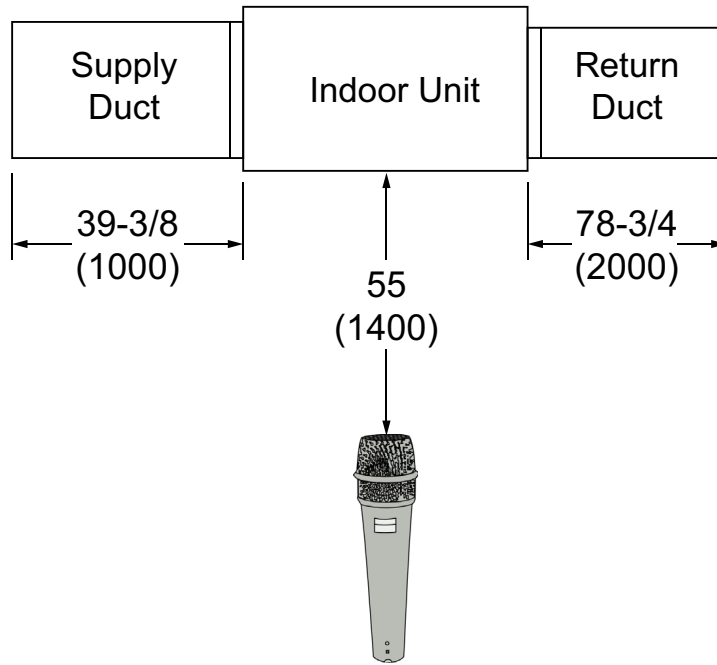


INSTALLATION CLEARANCES



SOUND DATA

SOUND LEVELS

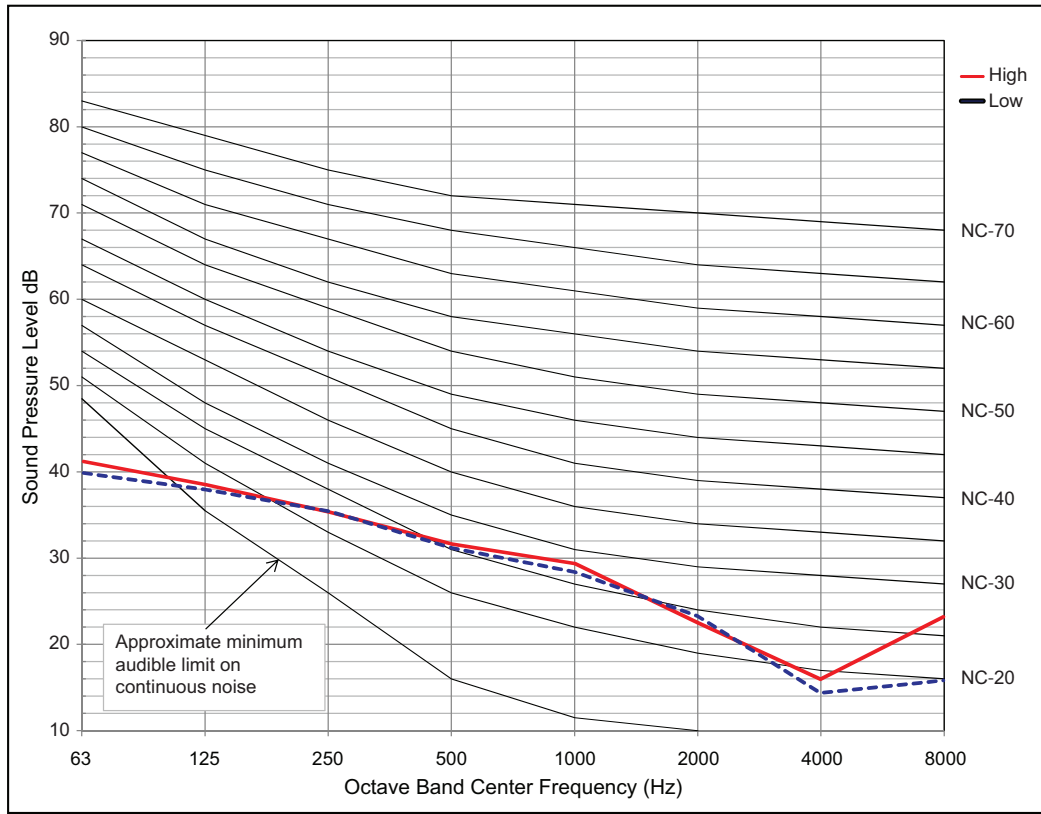


Model No.	Sound Rating Number (dBA)		
	Low	Medium	High
VHIB012H4	33.8	34.6	35.1
VHIB024H4	42.7	45.7	50.7
VHIB030H4	43.3	46.8	52.3
VHIB036H4	48.8	52.4	55.2
VHIB048H4	49.5	53.1	56.4
VHIB054H4	52.6	55.6	58.1
VHIB072H4	50.4	53.7	58.5
VHIB096H4	53.5	56.7	59.2

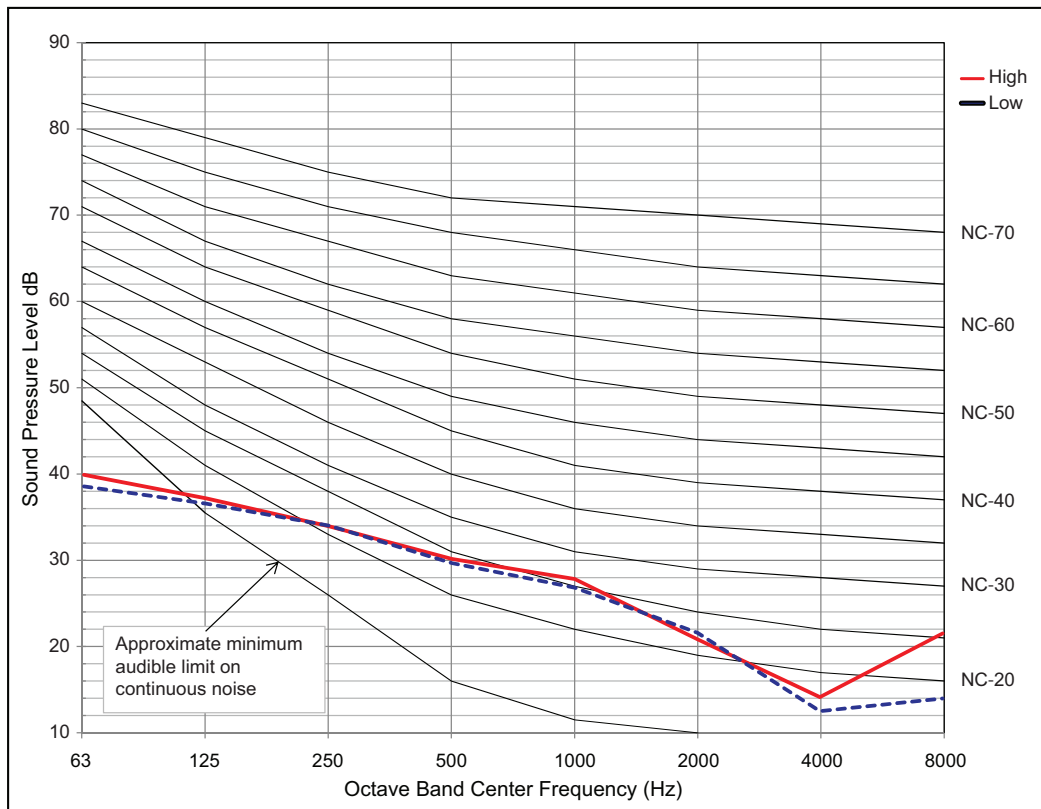
SOUND DATA

OCTAVE BAND LEVELS

VHIB012H4 (0.20 inches w.g.)



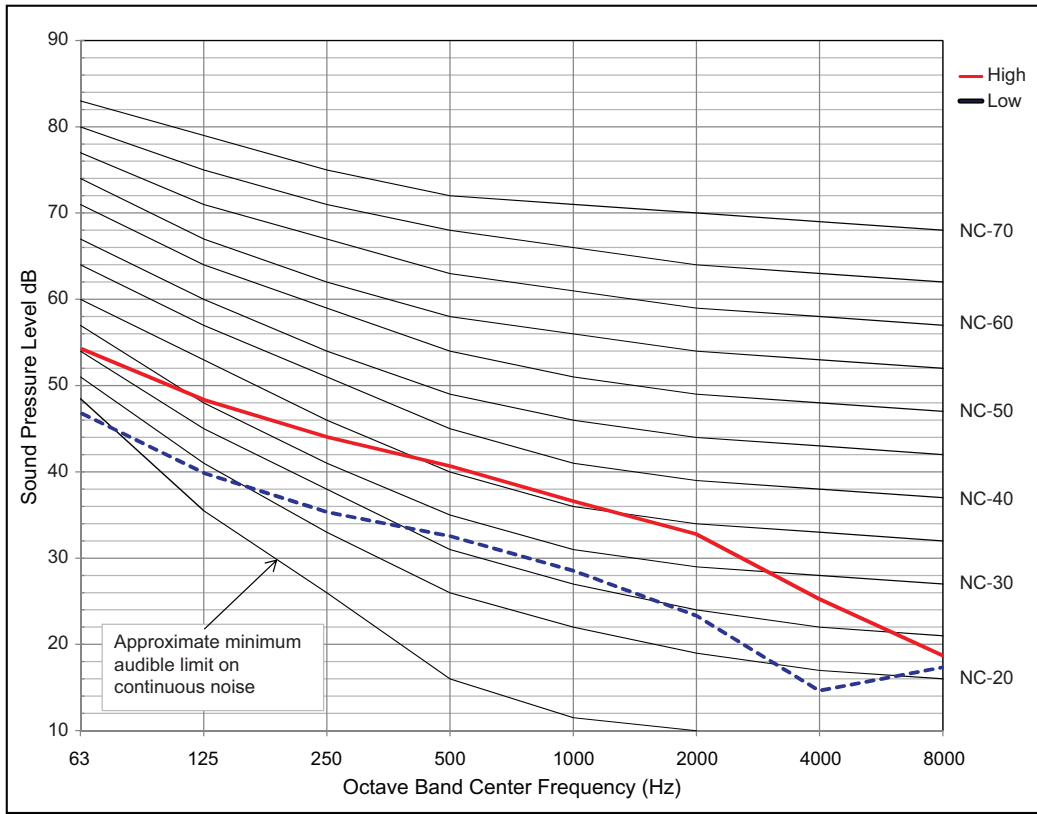
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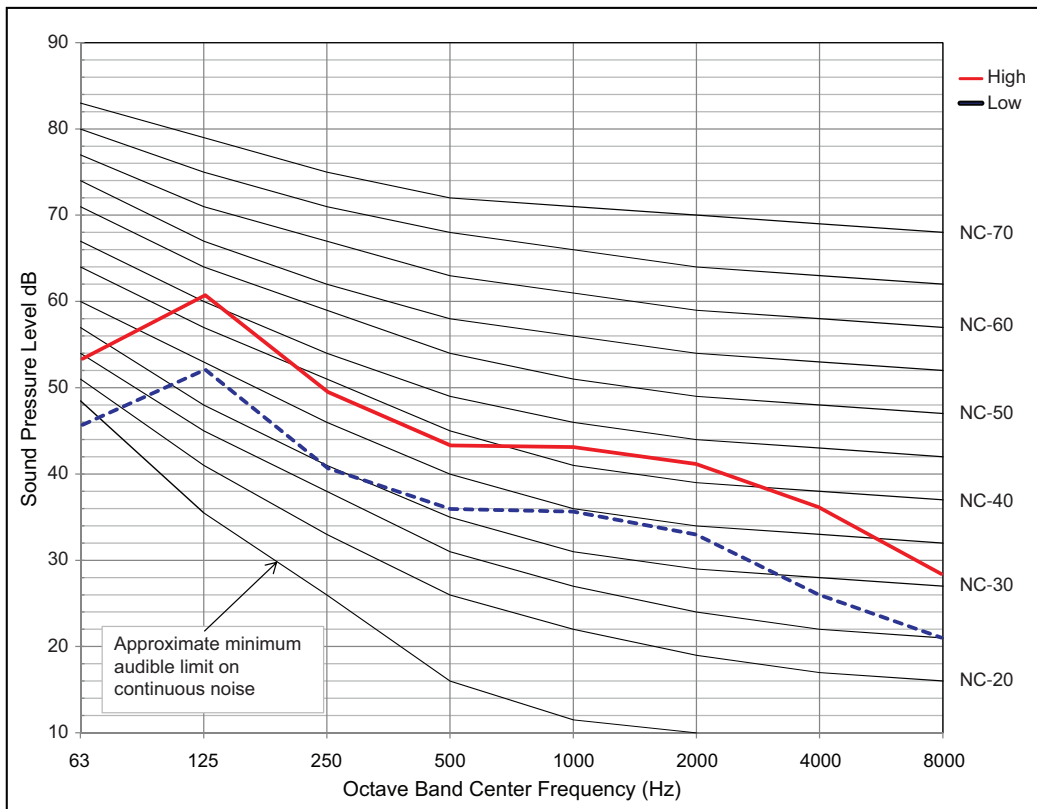
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OCTAVE BAND LEVELS

VHIB024H4 (0.20 inches w.g.)



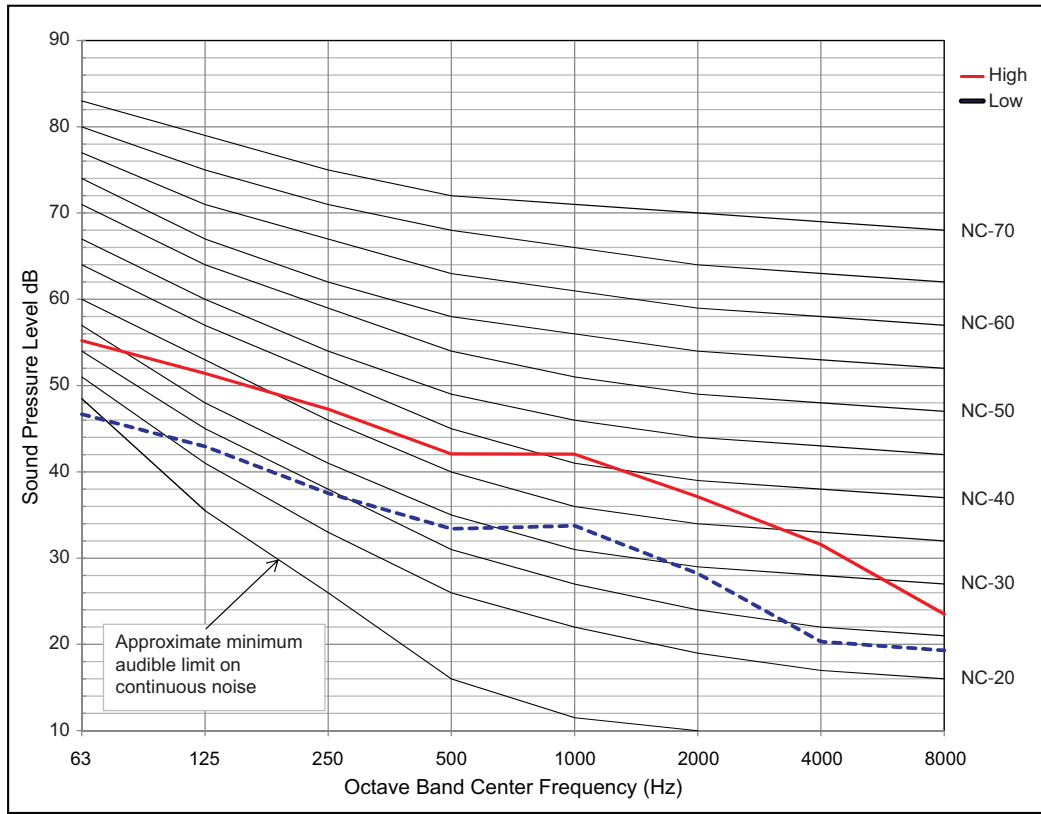
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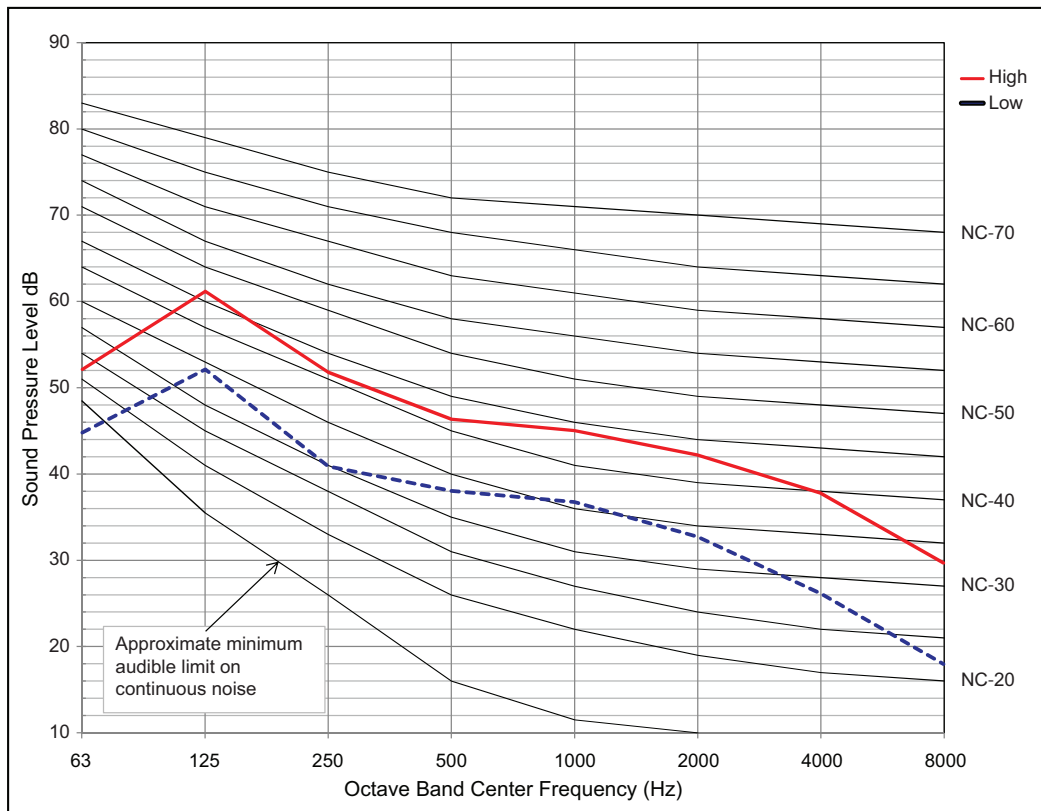
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OCTAVE BAND LEVELS

VHIB030H4 (0.20 inches w.g.)



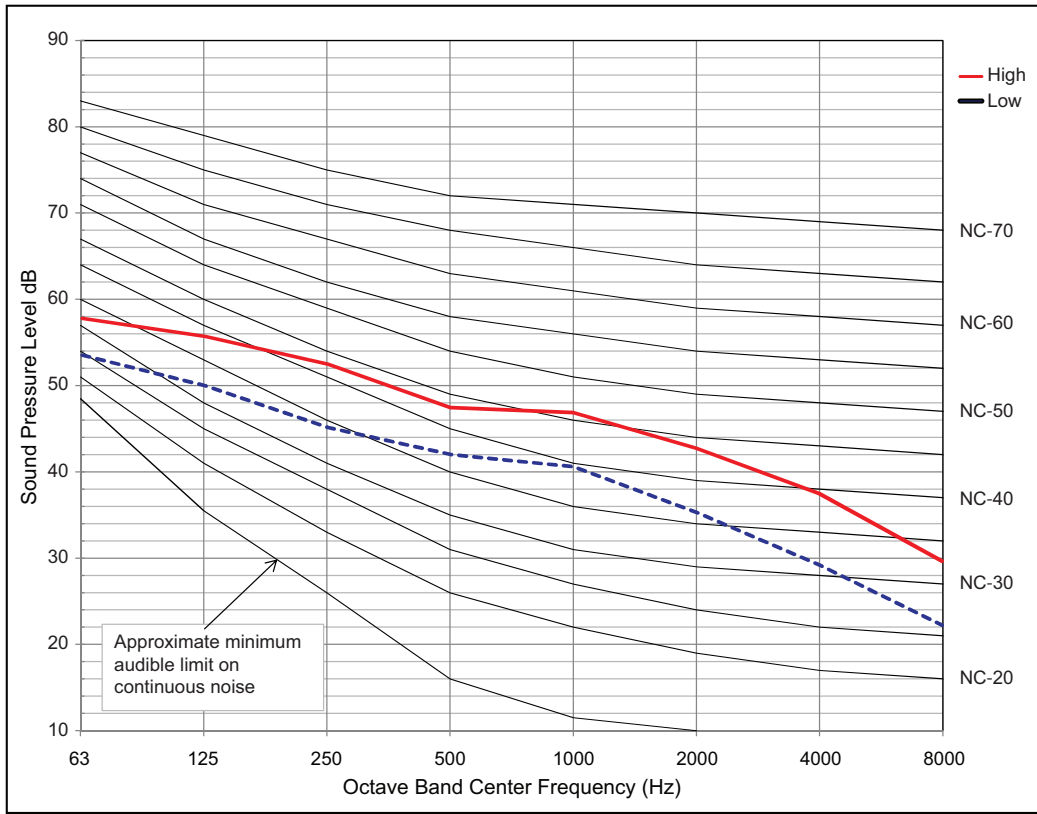
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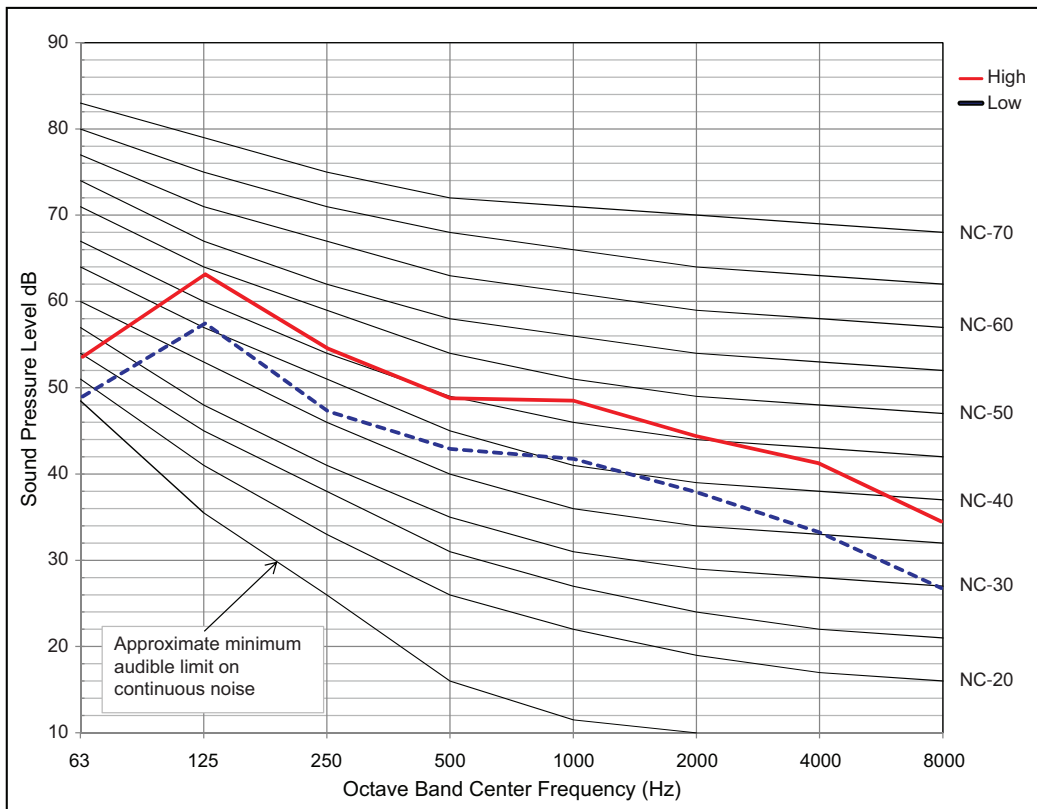
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OCTAVE BAND LEVELS

VHIB036H4 (0.20 inches w.g.)



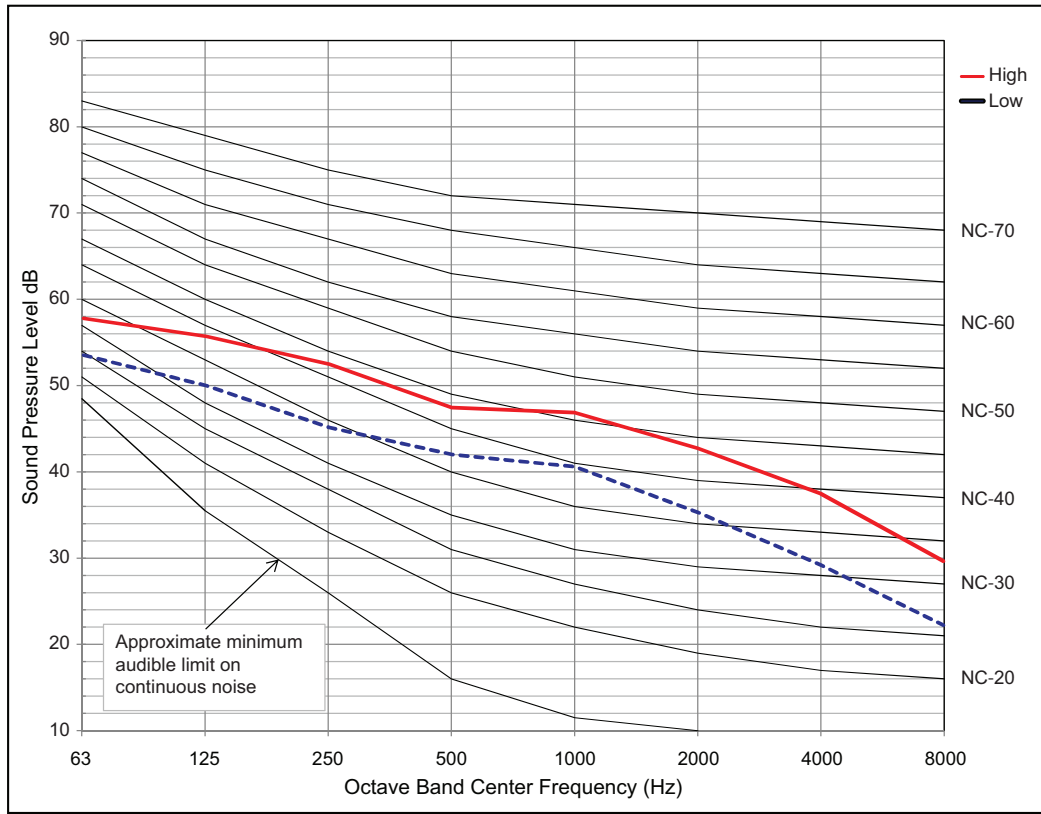
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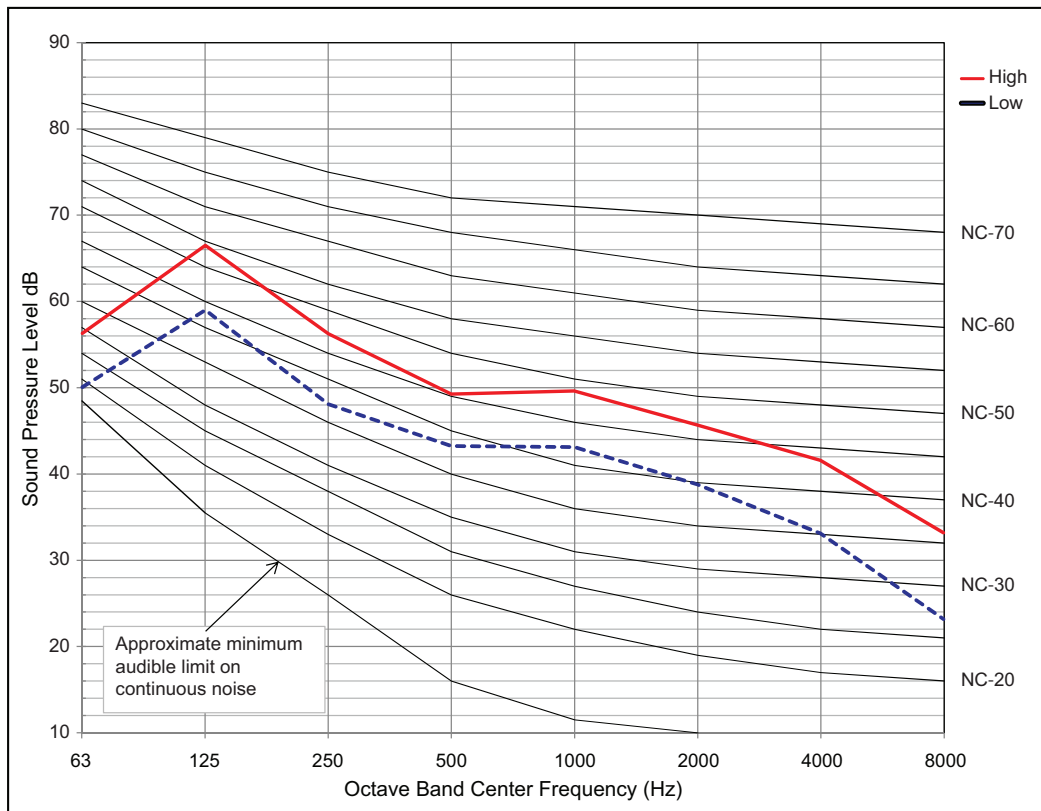
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OCTAVE BAND LEVELS

VHIB048H4 (0.20 inches w.g.)



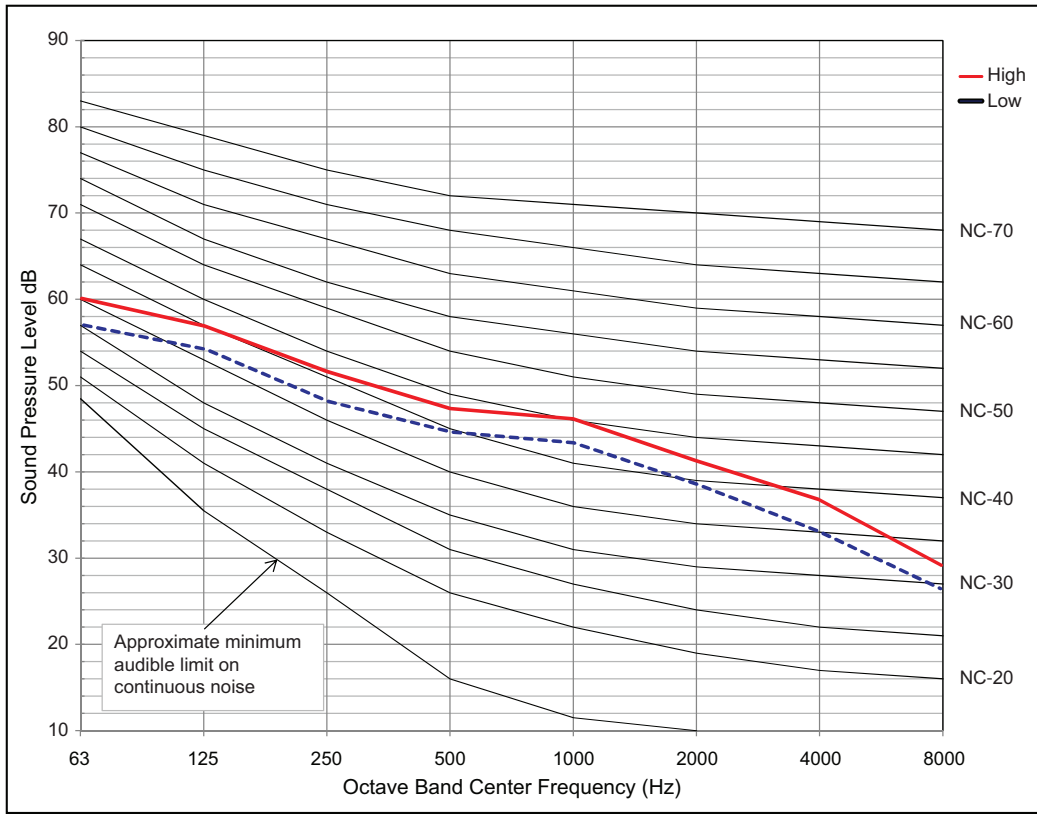
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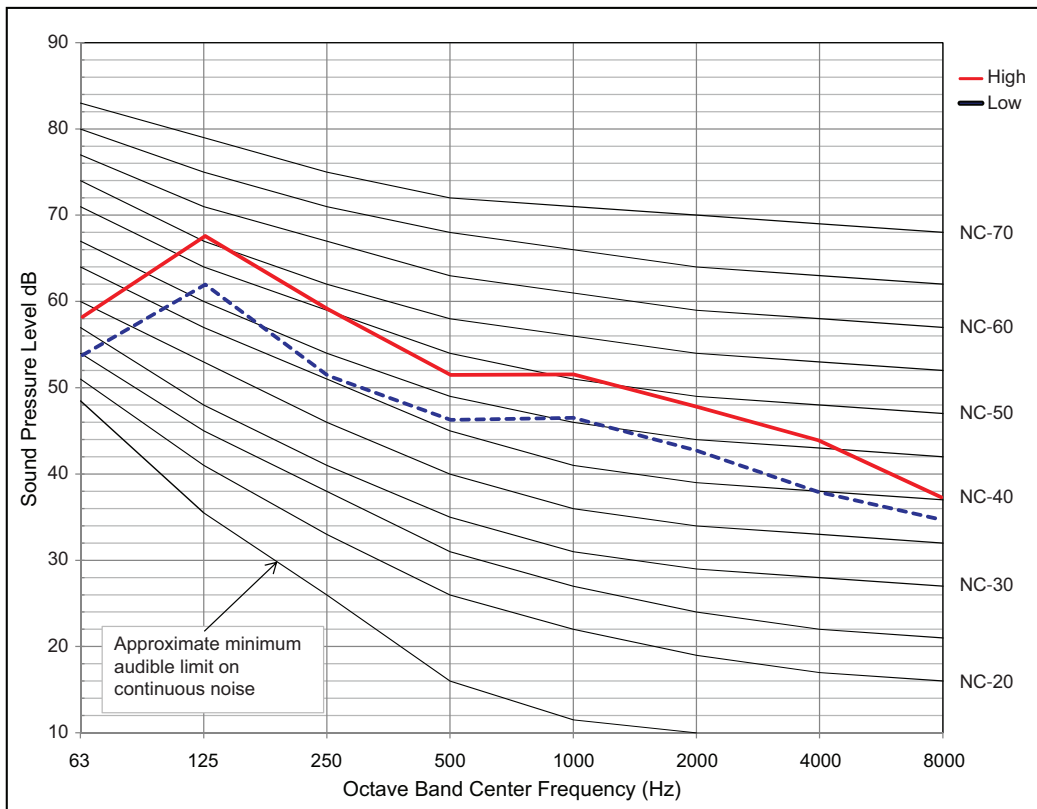
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OCTAVE BAND LEVELS

VHIB054H4 (0.20 inches w.g.)



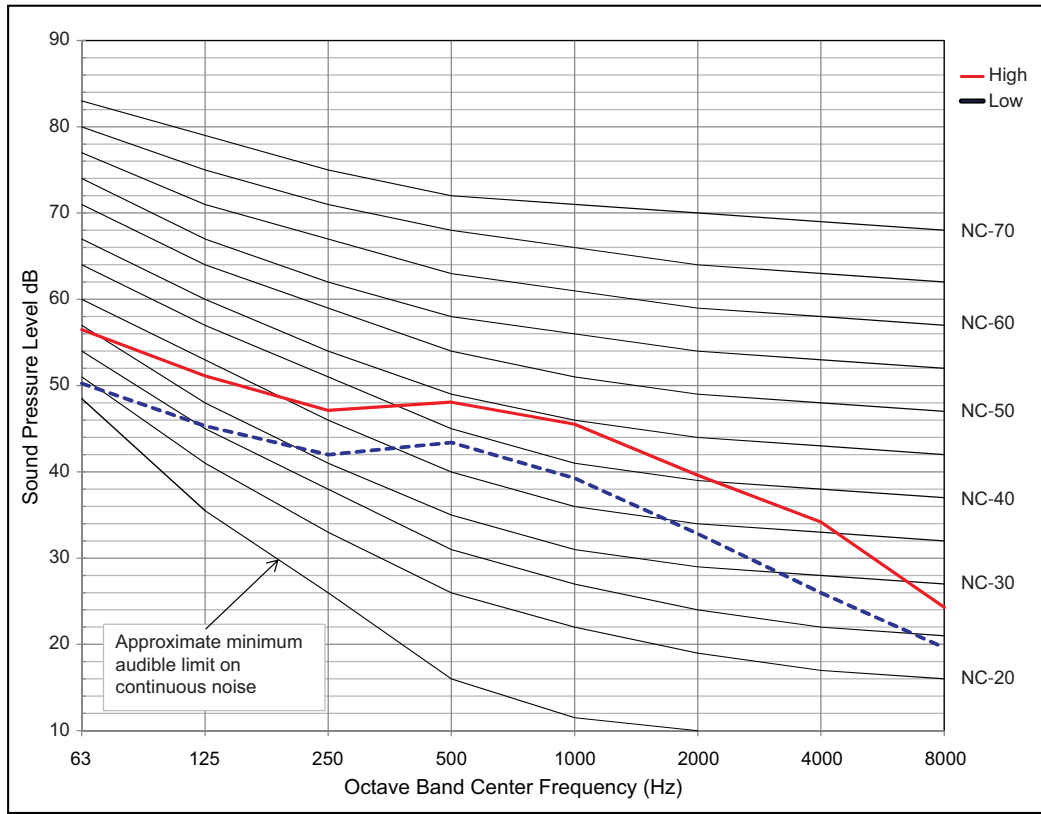
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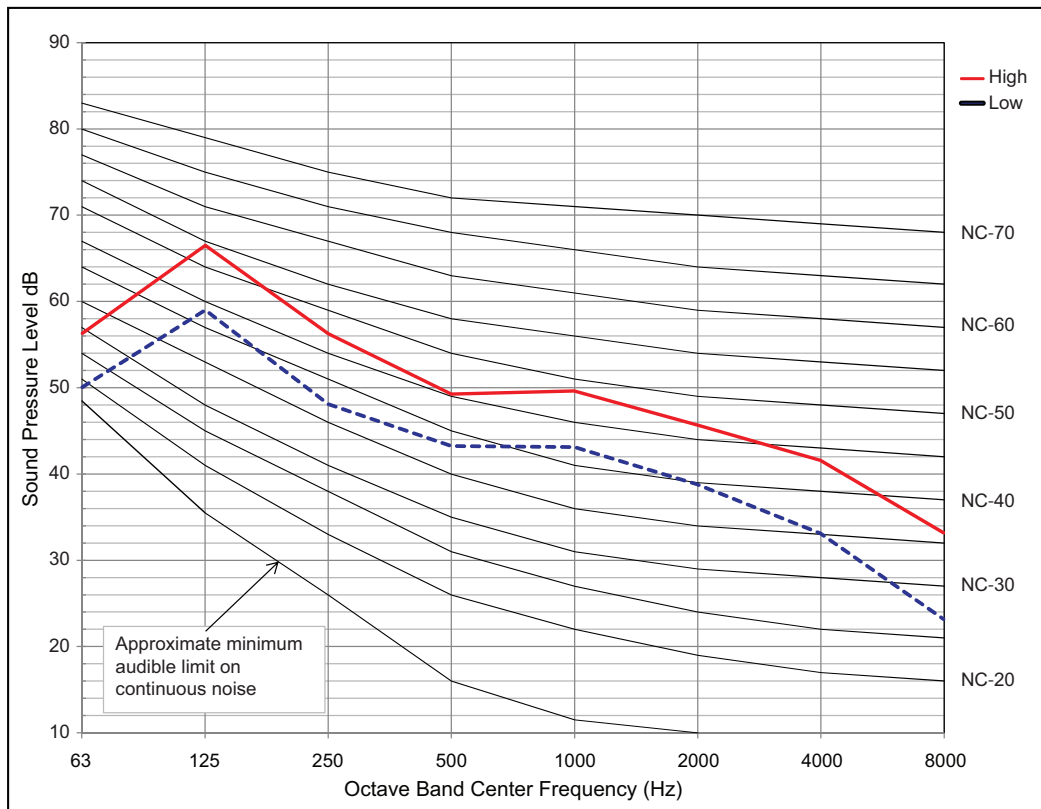
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OCTAVE BAND LEVELS

VHIB072H4 (0.20 inches w.g.)



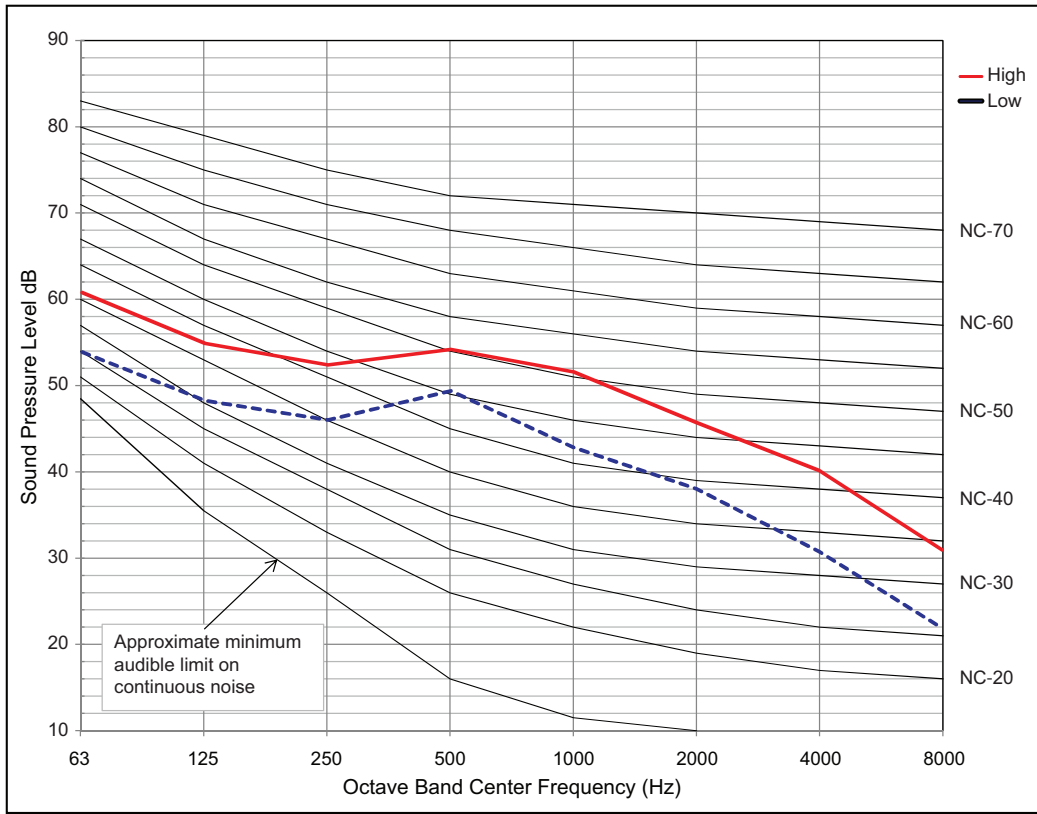
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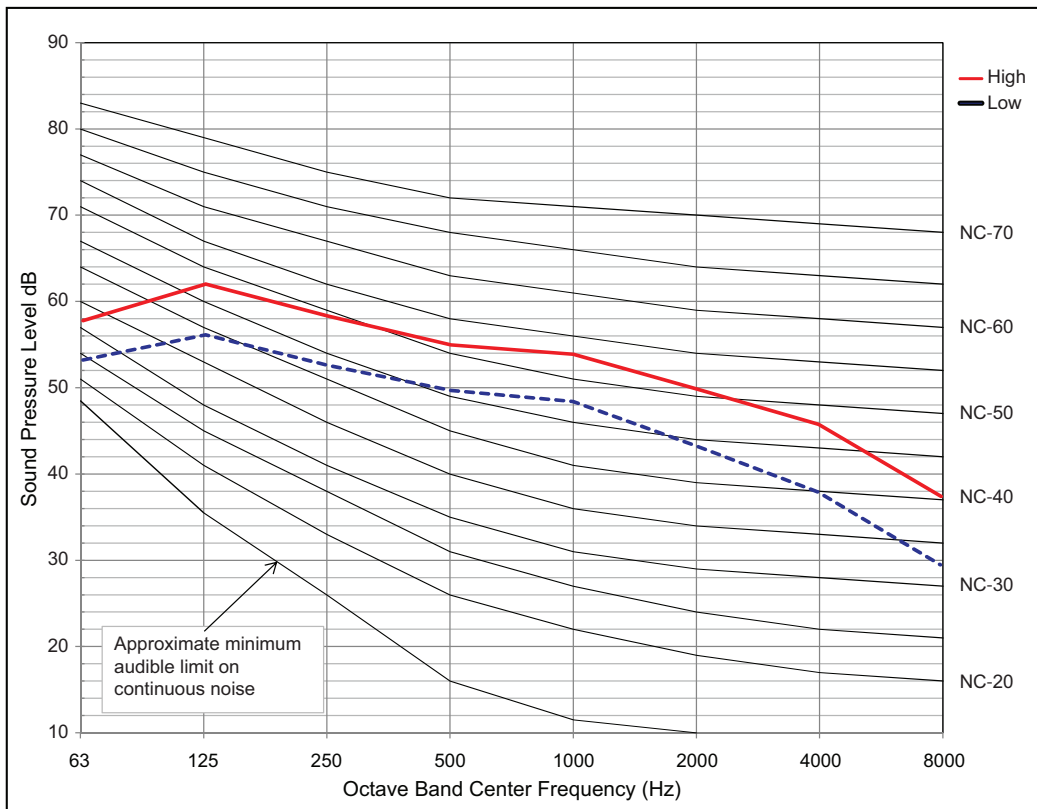
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OCTAVE BAND LEVELS

VHIB096H4 (0.20 inches w.g.)

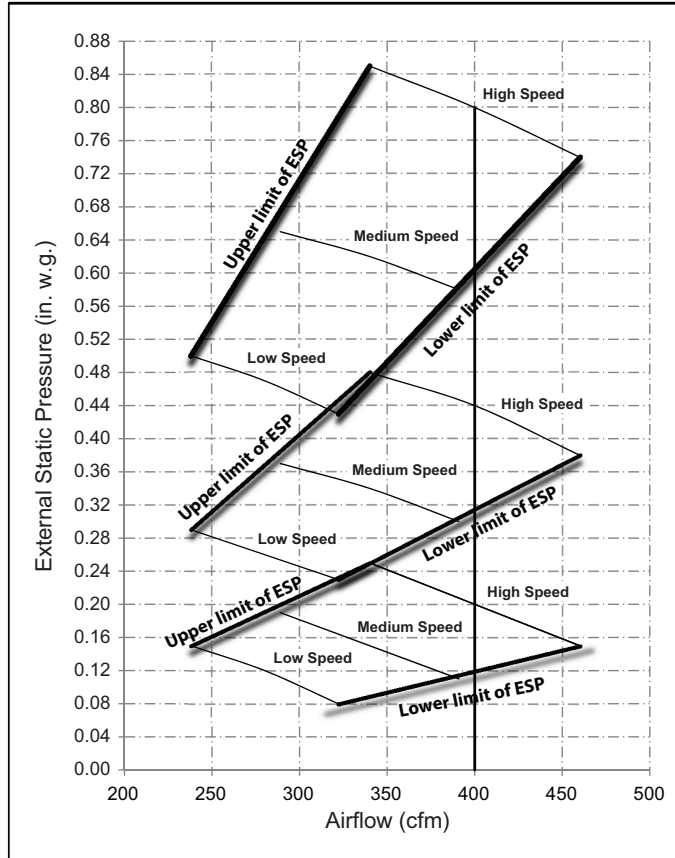


VHIB096H4 (0.80 inches w.g.)



BLOWER DATA

VHIB012H4

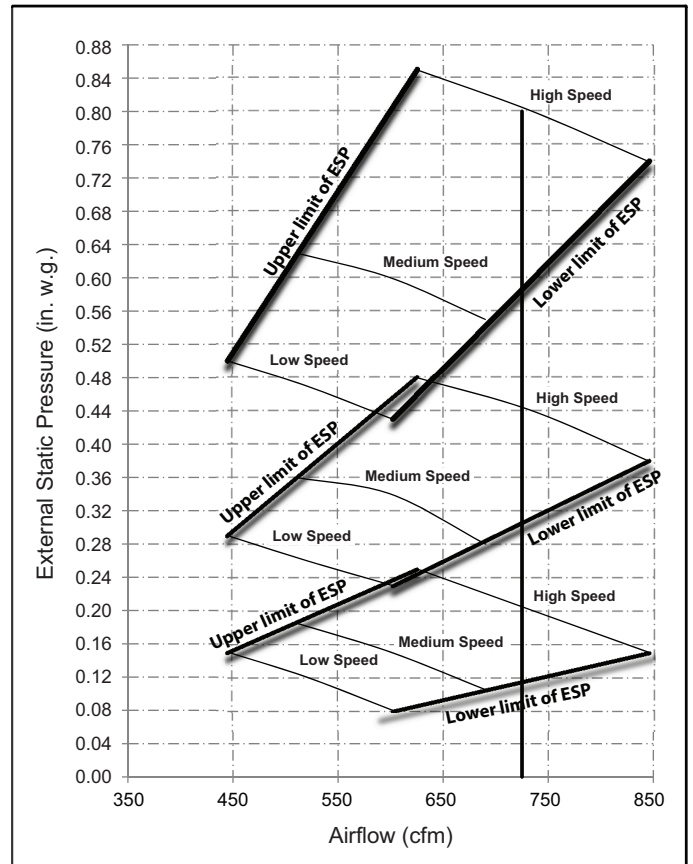


External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	460	0.14	400	0.18	340	0.22
0.24	H	460	0.18	400	0.22	340	0.26
0.28	H	460	0.22	400	0.26	340	0.30
0.32	H	460	0.26	400	0.30	340	0.34
0.36	H	460	0.30	400	0.34	340	0.38
0.40	H	460	0.34	400	0.38	340	0.42
0.44	H	460	0.38	400	0.42	340	0.46
0.48	H	460	0.43	400	0.47	340	0.49
0.52	H	460	0.47	400	0.51	340	0.53
0.56	H	460	0.51	400	0.55	340	0.57
0.60	H	460	0.55	400	0.59	340	0.61
0.64	H	460	0.57	400	0.63	340	0.67
0.68	H	460	0.61	400	0.67	340	0.72
0.72	H	460	0.65	400	0.71	340	0.76
0.76	H	460	0.69	400	0.75	340	0.80
0.80	H	460	0.73	400	0.78	340	0.84

NOTES:

There are sixteen External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

VHIB024H4



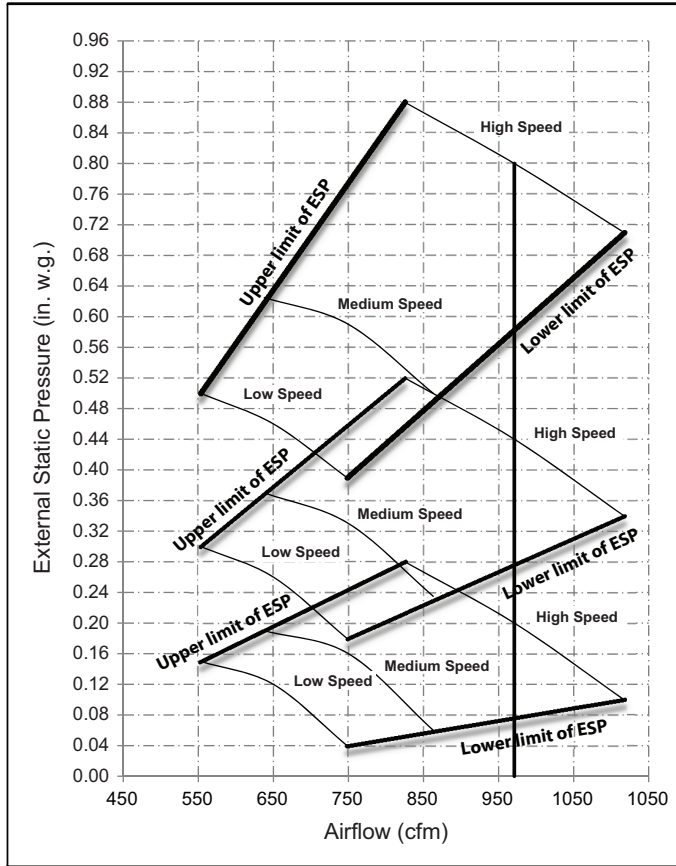
External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	845	0.15	735	0.20	625	0.25
0.24	H	845	0.19	735	0.24	625	0.29
0.28	H	845	0.23	735	0.28	625	0.33
0.32	H	845	0.27	735	0.32	625	0.37
0.36	H	845	0.31	735	0.36	625	0.41
0.40	H	845	0.35	735	0.40	625	0.45
0.44	H	845	0.38	735	0.44	625	0.48
0.48	H	845	0.42	735	0.48	625	0.52
0.52	H	845	0.46	735	0.52	625	0.56
0.56	H	845	0.50	735	0.56	625	0.60
0.60	H	845	0.54	735	0.60	625	0.64
0.64	H	845	0.58	735	0.64	625	0.68
0.68	H	845	0.62	735	0.68	625	0.73
0.72	H	845	0.66	735	0.72	625	0.77
0.76	H	845	0.70	735	0.76	625	0.81
0.80	H	845	0.74	735	0.80	625	0.85

NOTES:

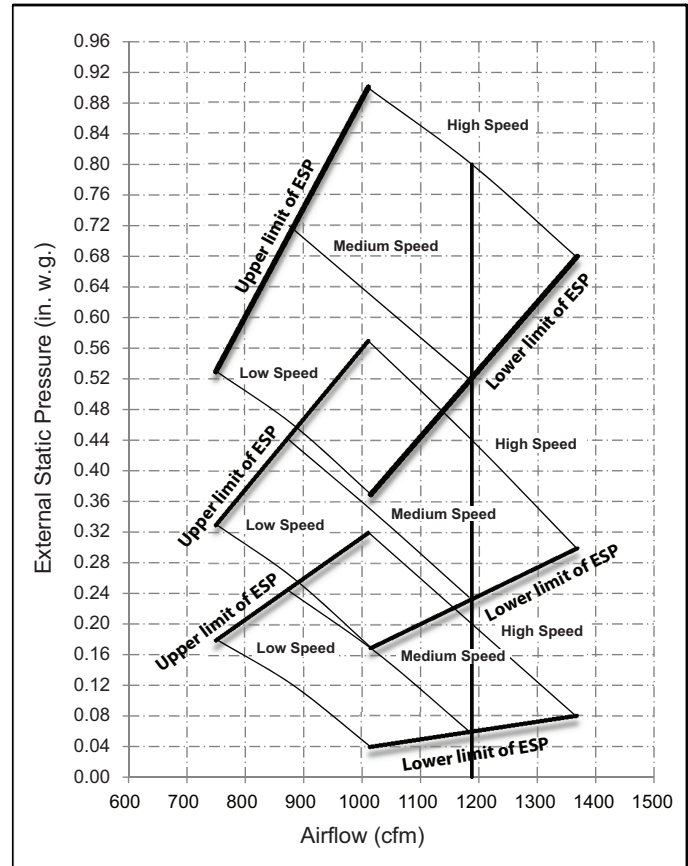
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 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

BLOWER DATA

VHIB030H4



VHIB036H4



External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	1117	0.10	971	0.20	825	0.28
0.24	H	1117	0.14	971	0.24	825	0.32
0.28	H	1117	0.18	971	0.28	825	0.36
0.32	H	1117	0.22	971	0.32	825	0.40
0.36	H	1117	0.26	971	0.36	825	0.28
0.40	H	1117	0.30	971	0.40	825	0.48
0.44	H	1117	0.34	971	0.44	825	0.52
0.48	H	1117	0.38	971	0.48	825	0.56
0.52	H	1117	0.42	971	0.52	825	0.60
0.56	H	1117	0.46	971	0.56	825	0.64
0.60	H	1117	0.50	971	0.60	825	0.68
0.64	H	1117	0.55	971	0.64	825	0.72
0.68	H	1117	0.59	971	0.68	825	0.76
0.72	H	1117	0.63	971	0.72	825	0.81
0.76	H	1117	0.67	971	0.76	825	0.84
0.80	H	1117	0.71	971	0.80	825	0.88

NOTES:

There are sixteen External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

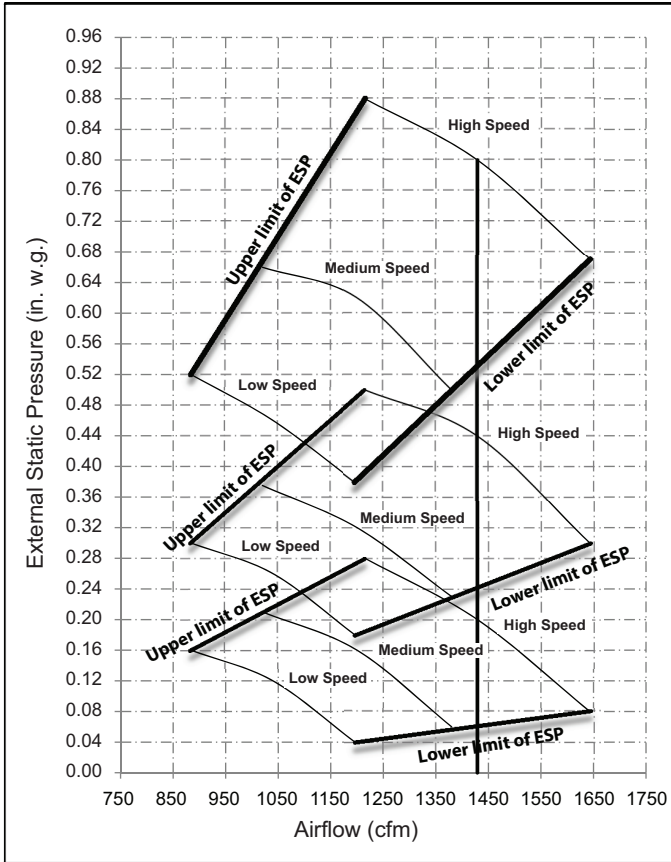
External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	1366	0.08	1188	0.20	1010	0.32
0.24	H	1366	0.12	1188	0.24	1010	0.36
0.28	H	1366	0.16	1188	0.28	1010	0.40
0.32	H	1366	0.20	1188	0.32	1010	0.44
0.36	H	1366	0.24	1188	0.36	1010	0.48
0.40	H	1366	0.28	1188	0.40	1010	0.52
0.44	H	1366	0.30	1188	0.44	1010	0.57
0.48	H	1366	0.34	1188	0.48	1010	0.61
0.52	H	1366	0.38	1188	0.52	1010	0.65
0.56	H	1366	0.42	1188	0.56	1010	0.69
0.60	H	1366	0.46	1188	0.60	1010	0.73
0.64	H	1366	0.50	1188	0.64	1010	0.77
0.68	H	1366	0.56	1188	0.68	1010	0.78
0.72	H	1366	0.60	1188	0.72	1010	0.82
0.76	H	1366	0.64	1188	0.76	1010	0.86
0.80	H	1366	0.68	1188	0.80	1010	0.90

NOTES:

There are sixteen External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

BLOWER DATA

VHIB048H4

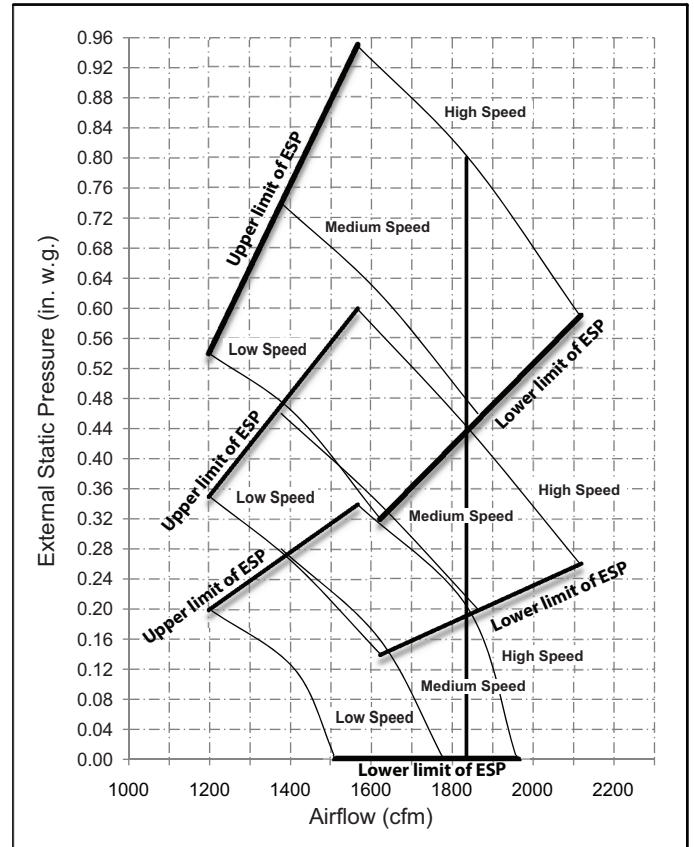


External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	1643	0.08	1429	0.20	1215	0.28
0.24	H	1643	0.12	1429	0.24	1215	0.32
0.28	H	1643	0.16	1429	0.28	1215	0.36
0.32	H	1643	0.20	1429	0.32	1215	0.40
0.36	H	1643	0.24	1429	0.36	1215	0.44
0.40	H	1643	0.28	1429	0.40	1215	0.48
0.44	H	1643	0.30	1429	0.44	1215	0.50
0.48	H	1643	0.34	1429	0.48	1215	0.54
0.52	H	1643	0.38	1429	0.52	1215	0.58
0.56	H	1643	0.42	1429	0.56	1215	0.62
0.60	H	1643	0.46	1429	0.60	1215	0.66
0.64	H	1643	0.50	1429	0.64	1215	0.70
0.68	H	1643	0.55	1429	0.68	1215	0.76
0.72	H	1643	0.59	1429	0.72	1215	0.80
0.76	H	1643	0.63	1429	0.76	1215	0.84
0.80	H	1643	0.67	1429	0.80	1215	0.88

NOTES:

There are sixteen External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

VHIB054H4



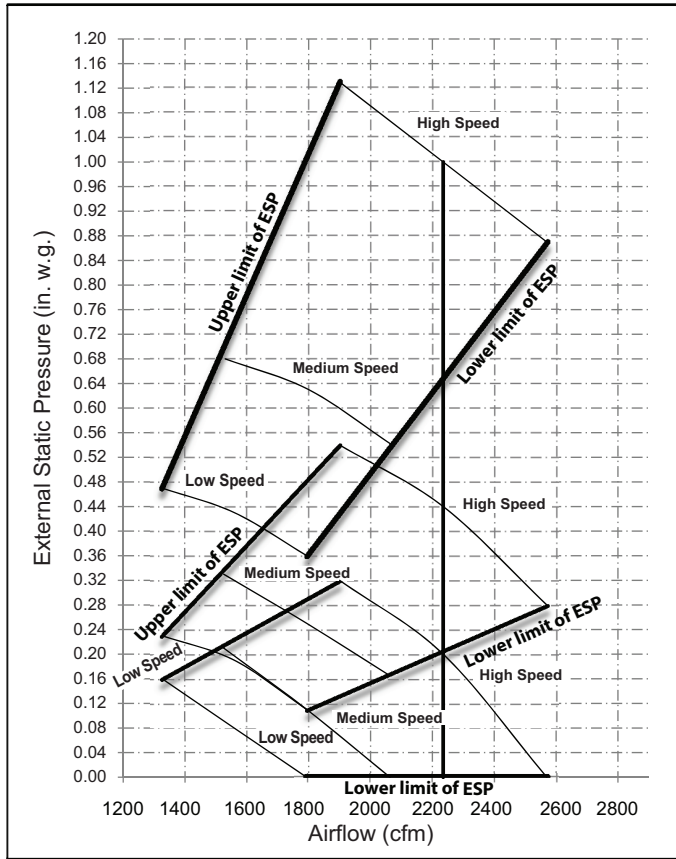
External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	1959	0.00	1835	0.20	1560	0.34
0.24	H	2110	0.03	1835	0.24	1560	0.38
0.28	H	2110	0.07	1835	0.28	1560	0.42
0.32	H	2110	0.11	1835	0.32	1560	0.46
0.36	H	2110	0.15	1835	0.36	1560	0.50
0.40	H	2110	0.19	1835	0.40	1560	0.54
0.44	H	2110	0.26	1835	0.44	1560	0.60
0.48	H	2110	0.30	1835	0.48	1560	0.64
0.52	H	2110	0.34	1835	0.52	1560	0.68
0.56	H	2110	0.38	1835	0.56	1560	0.72
0.60	H	2110	0.42	1835	0.60	1560	0.76
0.64	H	2110	0.45	1835	0.64	1560	0.80
0.68	H	2110	0.47	1835	0.68	1560	0.83
0.72	H	2110	0.51	1835	0.72	1560	0.87
0.76	H	2110	0.55	1835	0.76	1560	0.91
0.80	H	2110	0.59	1835	0.80	1560	0.95

NOTES:

There are sixteen External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

BLOWER DATA

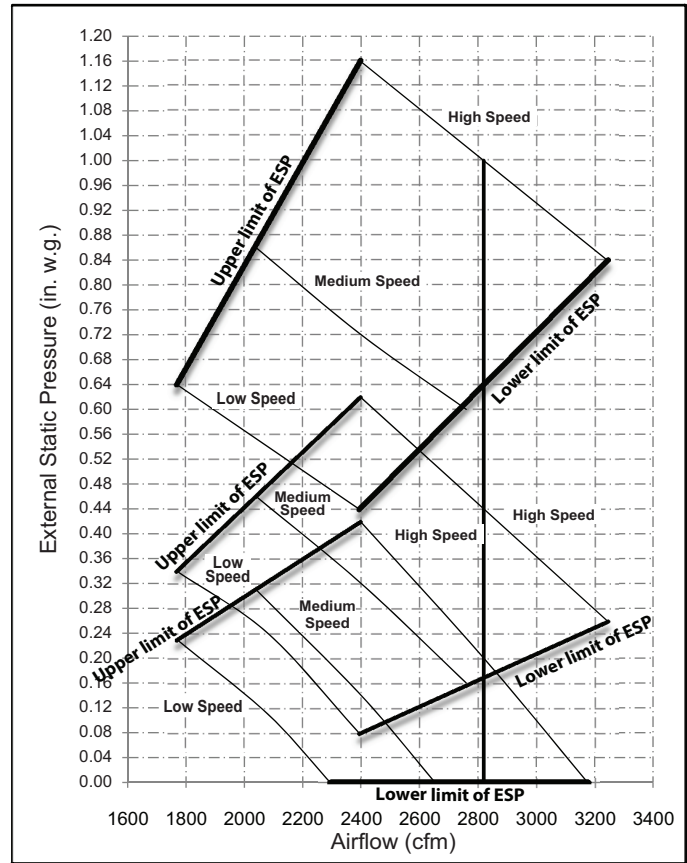
VHIB072H4



External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	2570	0.00	2235	0.20	1900	0.32
0.24	H	2570	0.09	2235	0.24	1900	0.36
0.28	H	2570	0.13	2235	0.28	1900	0.40
0.32	H	2570	0.17	2235	0.32	1900	0.44
0.36	H	2570	0.21	2235	0.36	1900	0.48
0.40	H	2570	0.25	2235	0.40	1900	0.52
0.44	H	2570	0.28	2235	0.44	1900	0.54
0.48	H	2570	0.32	2235	0.48	1900	0.58
0.52	H	2570	0.36	2235	0.52	1900	0.62
0.56	H	2570	0.40	2235	0.56	1900	0.66
0.60	H	2570	0.44	2235	0.60	1900	0.70
0.64	H	2570	0.48	2235	0.64	1900	0.74
0.68	H	2570	0.52	2235	0.68	1900	0.78
0.72	H	2570	0.59	2235	0.72	1900	0.85
0.76	H	2570	0.63	2235	0.76	1900	0.89
0.80	H	2570	0.67	2235	0.80	1900	0.93
0.84	H	2570	0.71	2235	0.84	1900	0.97
0.88	H	2570	0.75	2235	0.88	1900	1.01
0.92	H	2570	0.79	2235	0.92	1900	1.05
0.96	H	2570	0.83	2235	0.96	1900	1.09
1.00	H	2570	0.87	2235	1.00	1900	1.13

NOTES:
 There are twenty-one External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

VHIB096H4



External Static (in wg)	Range of Available Airflow at High Speed						
	Blower Speed	Max Point		Rating Point		Min Point	
		Max. cfm	SP (in wg)	Mid. cfm	SP (in wg)	Min. cfm	SP (in wg)
0.20	H	3176	0.00	2824	0.20	2400	0.42
0.24	H	3248	0.04	2824	0.24	2400	0.45
0.28	H	3248	0.08	2824	0.28	2400	0.49
0.32	H	3248	0.12	2824	0.32	2400	0.52
0.36	H	3248	0.16	2824	0.36	2400	0.55
0.40	H	3248	0.20	2824	0.40	2400	0.59
0.44	H	3248	0.26	2824	0.44	2400	0.62
0.48	H	3248	0.30	2824	0.48	2400	0.66
0.52	H	3248	0.34	2824	0.52	2400	0.70
0.56	H	3248	0.38	2824	0.56	2400	0.74
0.60	H	3248	0.42	2824	0.60	2400	0.78
0.64	H	3248	0.46	2824	0.64	2400	0.82
0.68	H	3248	0.50	2824	0.68	2400	0.86
0.72	H	3248	0.54	2824	0.72	2400	0.90
0.76	H	3248	0.58	2824	0.76	2400	0.94
0.80	H	3248	0.64	2824	0.80	2400	0.96
0.84	H	3248	0.68	2824	0.84	2400	1.00
0.88	H	3248	0.72	2824	0.88	2400	1.04
0.92	H	3248	0.76	2824	0.92	2400	1.08
0.96	H	3248	0.80	2824	0.96	2400	1.12
1.00	H	3248	0.84	2824	1.00	2400	1.16

NOTES:
 There are twenty-one External Static (in wg) settings available.
 Curve shows "Upper Limit" and "Lower Limit" of maximum external static pressure as an example for blower characteristics.
 Table shows Max. cfm for High Speed and external static pressure (ESP) for field setting.
 Allowable external static pressure (ESP) selections are listed in column 1.
 Select external static pressure (ESP) setting according to the resistance of the connected duct.
 Use Controller to select indoor unit blower speed to "H", "M", "L".

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
012	-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
	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	6.25	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	2.54	3.77	2.74	3.97	2.95	4.24	3.18	4.50	3.36	4.77	3.59	
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	24.00	18.27	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	30.00	22.83	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	36.00	27.40	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	48.00	36.54	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	
054	-10	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	71.19	54.35
	5	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	71.19	54.35
	10	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	71.19	54.35
	15	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	70.95	54.17
	20	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	69.92	53.39
	25	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	68.90	52.60
	30	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	67.87	51.82
	35	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	66.85	51.04
	40	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	65.82	50.25
	45	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	64.79	49.47
	50	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.34	47.19	63.77	48.69
	55	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	62.23	47.10	62.74	47.90
	60	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	61.20	46.32	61.71	47.12
	65	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	60.17	45.54	60.69	46.33
	70	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	59.15	44.77	59.66	45.55
	75	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	58.12	43.99	58.63	44.77
	80	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	57.09	43.21	57.61	43.98
	85	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	56.07	42.44	56.58	43.20
	90	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	55.04	41.66	55.56	42.42
	95	31.39	22.62	38.02	28.05	44.66	33.67	53.50	40.72	54.01	40.88	54.53	41.63
	100	31.39	22.62	38.02	28.05	44.66	33.67	52.47	39.94	52.99	40.11	53.47	40.82
105	31.39	22.62	38.02	28.05	44.66	33.67	51.45	39.16	51.79	39.20	51.86	39.60	
110	31.39	22.62	38.02	28.05	44.66	33.67	48.37	36.82	49.56	37.51	50.26	38.37	
115	31.39	22.62	36.38	26.84	37.27	28.10	38.46	29.28	39.65	30.01	40.84	31.18	
118	27.88	20.09	30.41	22.44	31.31	23.60	32.49	24.73	33.68	25.49	34.87	26.62	
125	15.91	11.47	16.81	12.40	17.70	13.34	18.89	14.37	20.07	15.19	21.26	16.23	

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
072	-10	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	95.80	73.14
	5	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	95.80	73.14
	10	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	95.80	73.14
	15	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	95.46	72.89
	20	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	94.12	71.86
	25	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	92.72	70.79
	30	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	91.34	69.74
	35	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	89.96	68.68
	40	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	88.58	67.63
	45	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	87.20	66.58
	50	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.90	63.50	85.82	65.52
	55	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	83.74	63.38	84.44	64.47
	60	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	82.36	62.34	83.05	63.41
	65	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	80.98	61.29	81.67	62.36
	70	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	79.60	60.25	80.29	61.30
	75	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	78.22	59.20	78.91	60.25
	80	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	76.84	58.16	77.53	59.19
	85	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	75.46	57.11	76.15	58.14
	90	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	74.07	56.07	74.77	57.08
	95	42.25	30.44	51.17	37.76	60.10	45.31	72.00	54.80	72.69	55.02	73.39	56.03
100	42.25	30.44	51.17	37.76	60.10	45.31	70.62	53.75	71.31	53.97	71.96	54.94	
105	42.25	30.44	51.17	37.76	60.10	45.31	69.24	52.70	69.70	52.76	69.80	53.29	
110	42.25	30.44	51.17	37.76	60.10	45.31	65.10	49.55	66.70	50.48	67.64	51.64	
115	42.25	30.44	48.96	36.12	50.16	37.82	51.76	39.40	53.36	40.39	54.96	41.96	
118	37.52	27.04	40.93	30.20	42.13	31.76	43.73	33.29	45.33	34.31	46.93	35.83	
125	21.42	15.43	22.62	16.69	23.82	17.95	25.42	19.35	27.02	20.45	28.62	21.85	
096	-10	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	127.74	97.53
	5	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	127.74	97.53
	10	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	127.74	97.53
	15	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	127.28	97.18
	20	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	125.49	95.81
	25	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	123.63	94.39
	30	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	121.79	92.99
	35	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	119.95	91.58
	40	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	118.11	90.17
	45	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	116.26	88.77
	50	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.87	84.67	114.42	87.36
	55	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	111.66	84.51	112.58	85.95
	60	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	109.82	83.12	110.74	84.55
	65	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	107.97	81.72	108.90	83.14
	70	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	106.13	80.33	107.06	81.74
	75	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	104.29	78.94	105.21	80.33
	80	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	102.45	77.54	103.37	78.92
	85	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	100.61	76.15	101.53	77.52
	90	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	98.77	74.75	99.69	76.11
	95	56.33	40.59	68.23	50.34	80.13	60.41	96.00	73.07	96.92	73.36	97.85	74.71
100	56.33	40.59	68.23	50.34	80.13	60.41	94.16	71.67	95.08	71.97	95.94	73.25	
105	56.33	40.59	68.23	50.34	80.13	60.41	92.32	70.27	92.94	70.34	93.06	71.05	
110	56.33	40.59	68.23	50.34	80.13	60.41	86.79	66.06	88.93	67.31	90.19	68.86	
115	56.33	40.59	65.28	48.17	66.88	50.42	69.02	52.53	71.15	53.85	73.28	55.95	
118	50.03	36.05	54.57	40.26	56.17	42.35	58.31	44.38	60.44	45.75	62.57	47.78	
125	28.55	20.58	30.15	22.25	31.75	23.94	33.89	25.79	36.02	27.26	38.15	29.13	

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	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	
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	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	
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
012	-13	-14	5.30	5.03	4.75	4.48	4.21	4.02
	-8	-9	6.10	5.82	5.55	5.27	5.00	4.81
	-3	-4	6.89	6.61	6.34	6.06	5.79	5.60
	2	1	7.68	7.40	7.13	6.85	6.58	6.40
	7	6	8.47	8.20	7.92	7.65	7.37	7.19
	12	10	9.10	8.83	8.55	8.28	8.00	7.82
	17	15	9.89	9.62	9.35	9.07	8.80	8.61
	22	20	10.69	10.41	10.14	9.86	9.59	9.40
	27	24	11.32	11.04	10.77	10.50	10.22	10.04
	32	29	12.11	11.84	11.56	11.29	11.01	10.83
	37	34	12.90	12.63	12.35	12.08	11.80	11.62
	42	38	13.54	13.26	12.99	12.71	12.44	11.93
	47	43	14.33	14.05	13.78	13.50	12.56	11.93
	52	47	14.96	14.69	14.41	13.50	12.56	11.93
	57	52	15.75	15.38	14.44	13.50	12.56	11.93
	62	56	16.33	15.38	14.44	13.50	12.56	11.93
	67	61	16.33	15.38	14.44	13.50	12.56	11.93
	72	66	16.33	15.38	14.44	13.50	12.56	11.93
75	69	16.33	15.38	14.44	13.50	12.56	11.93	
80	74	16.33	15.38	14.44	13.50	12.56	11.93	
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	
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					
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
80	74	41.12	38.74	36.37	34.00	31.63	30.05	
036	-13	-14	15.72	14.90	14.09	13.27	12.46	11.92
	-8	-9	18.06	17.25	16.43	15.62	14.80	14.26
	-3	-4	20.41	19.59	18.78	17.96	17.15	16.61
	2	1	22.75	21.94	21.12	20.31	19.50	18.95
	7	6	25.10	24.28	23.47	22.65	21.84	21.30
	12	10	26.97	26.16	25.34	24.53	23.72	23.17
	17	15	29.32	28.50	27.69	26.88	26.06	25.52
	22	20	31.66	30.85	30.04	29.22	28.41	27.86
	27	24	33.54	32.73	31.91	31.10	30.28	29.74
	32	29	35.88	35.07	34.26	33.44	32.63	32.09
	37	34	38.23	37.42	36.60	35.79	34.97	34.43
	42	38	40.11	39.29	38.48	37.66	36.85	35.35
	47	43	42.45	41.64	40.82	40.00	37.21	35.35
	52	47	44.33	43.51	42.70	40.00	37.21	35.35
	57	52	46.67	45.88	42.79	40.00	37.21	35.35
	62	56	48.37	45.88	42.79	40.00	37.21	35.35
	67	61	48.37	45.88	42.79	40.00	37.21	35.35
	72	66	48.37	45.88	42.79	40.00	37.21	35.35
	75	69	48.37	45.88	42.79	40.00	37.21	35.35
80	74	48.37	45.88	42.79	40.00	37.21	35.35	

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	
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
	47	43	57.31	56.21	55.11	54.00	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	
054	-13	-14	25.32	24.10	22.88	21.66	20.44	19.62
	-8	-9	28.69	27.47	26.24	25.02	23.80	22.99
	-3	-4	32.05	30.83	29.61	28.39	27.17	26.35
	2	1	35.42	34.19	32.97	31.75	30.53	29.72
	7	6	38.78	37.56	36.34	35.12	33.90	33.08
	12	10	41.47	40.25	39.03	37.81	36.59	35.77
	17	15	44.84	43.61	42.39	41.17	39.95	39.14
	22	20	48.20	46.98	45.76	44.54	43.32	42.50
	27	24	50.89	49.67	48.45	47.23	46.01	45.19
	32	29	54.26	53.04	51.81	50.59	49.37	48.56
	37	34	57.62	56.40	55.18	53.96	52.74	51.92
	42	38	60.31	59.09	57.87	56.65	55.43	53.02
	47	43	63.68	62.46	61.23	60.00	55.81	53.02
	52	47	66.37	65.15	63.93	60.00	55.81	53.02
	57	52	69.73	68.37	64.19	60.00	55.81	53.02
	62	56	72.42	68.37	64.19	60.00	55.81	53.02
	67	61	72.56	68.37	64.19	60.00	55.81	53.02
	72	66	72.56	68.37	64.19	60.00	55.81	53.02
75	69	72.56	68.37	64.19	60.00	55.81	53.02	
80	74	72.56	68.37	64.19	60.00	55.81	53.02	

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
072	-13	-14	33.64	31.99	30.34	28.69	27.05	25.95
	-8	-9	38.23	36.58	34.93	33.28	31.64	30.54
	-3	-4	42.82	41.17	39.52	37.87	36.23	35.13
	2	1	47.41	45.76	44.11	42.46	40.82	39.72
	7	6	52.00	50.35	48.70	47.05	45.41	44.31
	12	10	55.67	54.02	52.37	50.73	49.08	47.98
	17	15	60.26	58.61	56.96	55.32	53.67	52.57
	22	20	64.85	63.20	61.55	59.91	58.26	57.16
	27	24	68.52	66.87	65.23	63.58	61.93	60.83
	32	29	73.11	71.46	69.82	68.17	66.52	65.42
	37	34	77.70	76.05	74.41	72.76	71.11	70.01
	42	38	81.37	79.73	78.08	76.43	74.78	71.58
	47	43	85.96	84.32	82.67	81.00	75.35	71.58
	52	47	89.64	87.99	86.34	81.00	75.35	71.58
	57	52	94.23	92.30	86.65	81.00	75.35	71.58
	62	56	97.90	92.30	86.65	81.00	75.35	71.58
	67	61	97.95	92.30	86.65	81.00	75.35	71.58
	72	66	97.95	92.30	86.65	81.00	75.35	71.58
75	69	97.95	92.30	86.65	81.00	75.35	71.58	
80	74	97.95	92.30	86.65	81.00	75.35	71.58	
096	-13	-14	40.74	38.54	36.34	34.14	31.95	30.48
	-8	-9	47.22	45.02	42.82	40.62	38.43	36.96
	-3	-4	53.70	51.50	49.30	47.11	44.91	43.44
	2	1	60.18	57.98	55.78	53.59	51.39	49.92
	7	6	66.66	64.46	62.26	60.07	57.87	56.40
	12	10	71.85	69.65	67.45	65.25	63.05	61.59
	17	15	78.33	76.13	73.93	71.73	69.53	68.07
	22	20	84.81	82.61	80.41	78.21	76.02	74.55
	27	24	89.99	87.79	85.60	83.40	81.20	79.74
	32	29	96.47	94.28	92.08	89.88	87.68	86.22
	37	34	102.95	100.76	98.56	96.36	94.16	92.70
	42	38	108.14	105.94	103.74	101.54	99.35	95.44
	47	43	114.62	112.42	110.22	108.00	100.47	95.44
	52	47	119.80	117.61	115.41	108.00	100.47	95.44
	57	52	126.29	123.07	115.53	108.00	100.47	95.44
	62	56	130.60	123.07	115.53	108.00	100.47	95.44
	67	61	130.60	123.07	115.53	108.00	100.47	95.44
	72	66	130.60	123.07	115.53	108.00	100.47	95.44
75	69	130.60	123.07	115.53	108.00	100.47	95.44	
80	74	130.60	123.07	115.53	108.00	100.47	95.44	

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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