



VARIABLE REFRIGERANT FLOW SYSTEMS

VRF VMDB

Concealed Medium Static Ducted Indoor Models - 60HZ

Bulletin No. 210711
March 2018

PRODUCT SPECIFICATIONS

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.



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APPROVALS

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

WARRANTY

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

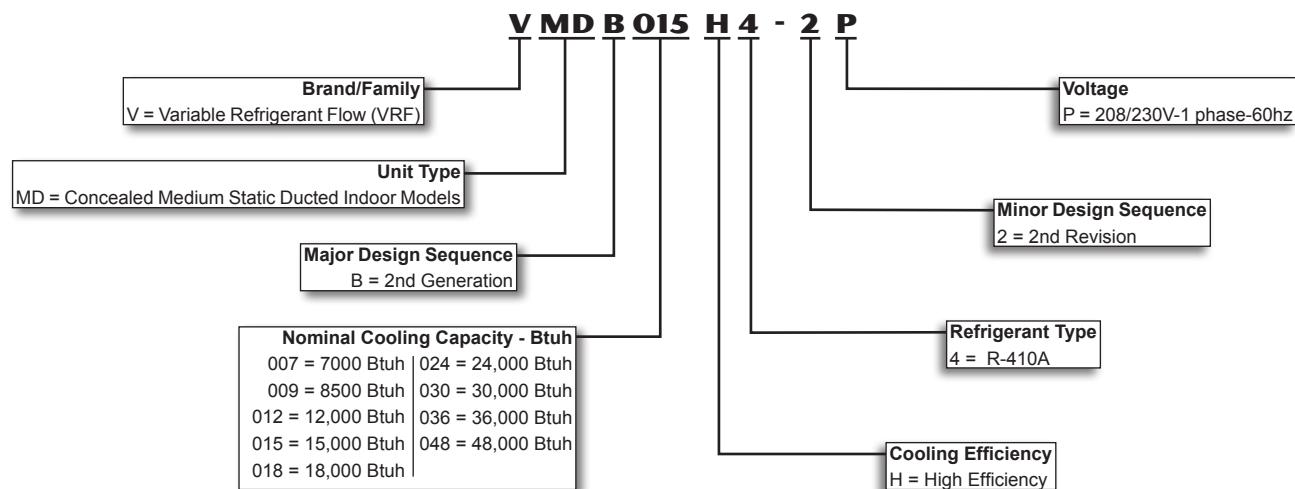
FEATURES

- **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 (Heat Pump Systems Only)** - 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 Pump** - 28 inch lift.
- **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.
- **Flare Connections** - Equipped with liquid and gas flare fittings for quick and secure piping.
- **Four-Stage Fan Speed (Standard Efficiency PSC Motor)** - Fan functions at four levels: low, medium, high and super-high. Super-high speed is available with simple wiring change on main control board.
- **Three-Stage Fan Speed (High Efficiency DC Motor)** - Fan functions at three levels: low, medium, high.
- **Air Filter** - Cleanable air filter is furnished as standard.

MODEL NUMBER IDENTIFICATION



SPECIFICATIONS
007 - 018

| General Data | | Nominal kBtuh | 7 | 9 | 12 | 15 | 18 |
|---|--------------------------------------|------------------------------|-----------------------------|----------------|-------------------|----------------|----------------|
| | | Model Number | VMDB007H4 | VMDB009H4 | VMDB012H4 | VMDB015H4 | VMDB018H4 |
| ¹ Cooling Performance | 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 |
| ¹ Heating Performance | 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 |
| Refrigerant | Type | | R-410A | R-410A | R-410A | R-410A | R-410A |
| Indoor Fan Motor | Input - W | | 47 | 47 | 132 | 145 | 185 |
| | Speed (high / medium / low) - rpm | | 764/675/675 | 825/762/694 | 930/757/682 | 899/733/666 | 960/786/712 |
| Indoor Coil | Number of rows | | 2 | 2 | 3 | 3 | 3 |
| | Fin spacing - in. | | 1/20 | 1/20 | 1/17 | 1/17 | 1/17 |
| | Coil length x height - in. | | 28-7/8×11-9/16 | | 28-7/8×10 | 37-5/8×13-1/4 | |
| | 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 | | | | | |
| Indoor Coil Connections | 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 |
| | Drain connection o.d. - in. | | (1) 1 | (1) 1 | (1) 3/4 | (1) 3/4 | (1) 3/4 |
| Indoor Blower | Airflow (high/medium/low) - cfm | | 260/220/220 | 330/260/220 | 450/360/320 | 560/450/400 | 670/540/480 |
| | External static pressure - in. w.g. | | 0-0.30 | 0-0.30 | 0-0.60 | 0-0.60 | 0-0.60 |
| | Sound data (high / medium / low) dBA | | 33.2/32.1/31.8 | 32.7/32.4/31.8 | 36.8/33.7/32.7 | 35.9/32.7/31.4 | 38.6/33.6/31.9 |
| Filter Size - in. (furnished) | | 32-1/4 × 7-9/16 × 3/8 | | 32 × 10 × 3/8 | 40-1/4 × 10 × 3/8 | | |
| Control Wiring (AWG) | | 18/3 gauge (3-core shielded) | | | | | |
| Weight Data | 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 |
| ² | Maximum overcurrent protection (amps) | 15 | 15 | 15 | 15 | 15 |
| ³ | Minimum circuit ampacity | 1.25 | 1.25 | 3.13 | 3.13 | 3.13 |
| | Indoor Blower Motor - Full load amps | 1 | 1 | 1.2 | 1.5 | 1.8 |

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.

SPECIFICATIONS
024 - 048

| General Data | | Nominal kBtuh | 24 | 30 | 36 | 48 |
|----------------------------------|--------------------------------------|------------------------------|-----------------------------|-------------------|----------------|----------------|
| | | Model Number | VMDB024H4 | VMDB030H4 | VMDB036H4 | VMDB048H4 |
| ¹ Cooling Performance | Net Cooling Capacity - Btuh | | 24,000 | 30,000 | 38,000 | 48,000 |
| | Total Unit Power Input (W) | | 100 | 140 | 155 | 230 |
| | Rated current (A) | | 1 | 1 | 1.5 | 1.5 |
| ¹ Heating Performance | Net Heating Capacity - Btuh | | 27000 | 34000 | 42000 | 54000 |
| | Total Unit Power Input (W) | | 95 | 140 | 155 | 230 |
| | Rated current (A) | | 1 | 1 | 1.5 | 1.5 |
| Refrigerant | Type | | R-410A | R-410A | R-410A | R-410A |
| Indoor Fan Motor | Input - W | | 231 | 290 | 322 | 370 |
| | Speed (high / medium / low) - rpm | | 1015/835/757 | 1035/882/770 | 1086/905/805 | 1165/958/865 |
| Indoor Coil | Number of rows | | 3 | 3 | 3 | 3 |
| | Fin spacing - in. | | 1/17 | 1/17 | 1/17 | 1/17 |
| | Coil length x height - in. | | 37-5/8x13-1/4 | 40-9/16x14-7/8 | 40-9/16x14-7/8 | 40-9/16x14-7/8 |
| | 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 | | | |
| Indoor Coil Connections | Liquid pipe o.d. - in. (flare) | | 3/8 | 3/8 | 3/8 | 3/8 |
| | Gas pipe o.d. - in. (flare) | | 5/8 | 5/8 | 5/8 | 5/8 |
| | Drain connection o.d. - in. | | (1) 3/4 | (1) 3/4 | (1) 3/4 | (1) 3/4 |
| Indoor Blower | Airflow (high / medium / low) - cfm | | 800/640/570 | 1100/900/780 | 1200/980/860 | 1370/1100/980 |
| | External static pressure - in. w.g. | | 0.1-0.60 | 0.1-0.60 | 0.1-0.60 | 0.1-0.60 |
| | 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 |
| Filter Size - in. (furnished) | | 40-1/4 x 10 x 3/8 | | 43-1/8 x 11 x 3/8 | | |
| Control Wiring (AWG) | | 18/3 gauge (3-core shielded) | | | | |
| Weight Data | 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 |
| | ² Maximum overcurrent protection (amps) | | 15 | 15 | 15 | 15 |
| | ³ Minimum circuit ampacity | | 3.13 | 5 | 5 | 5 |
| | Indoor Blower Motor - Full load amps | | 2 | 2.5 | 2.8 | 3 |

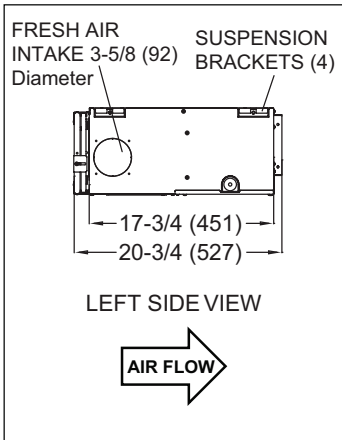
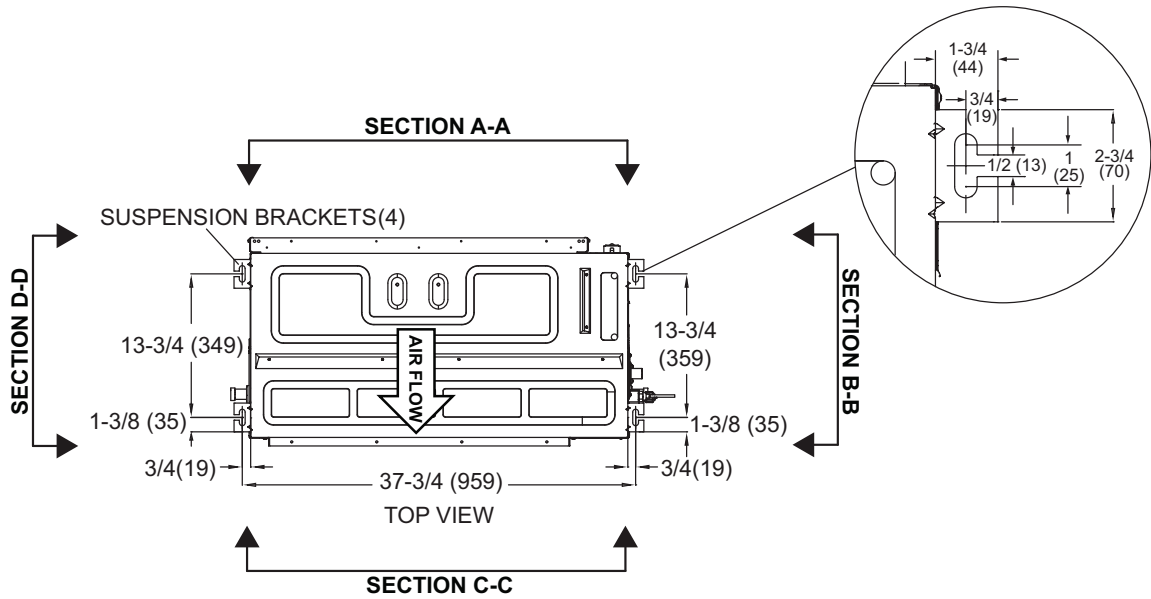
¹ Nominal capacities are based on the following conditions (with 25 ft. of connecting refrigerant lines);

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

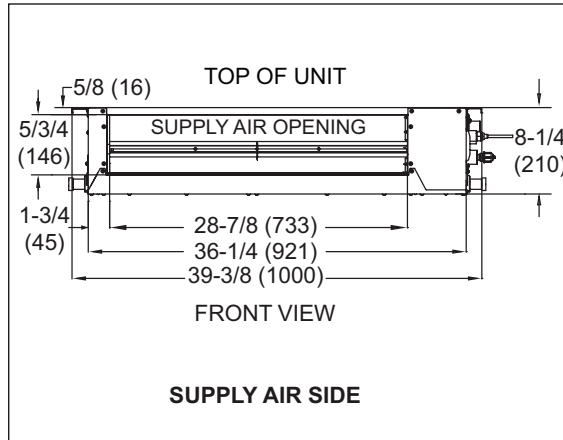
- Heating Ratings - 47°F db/43°F wb outdoor air temperature and 70°F db entering indoor coil air.

² HACR type circuit breaker or fuse.

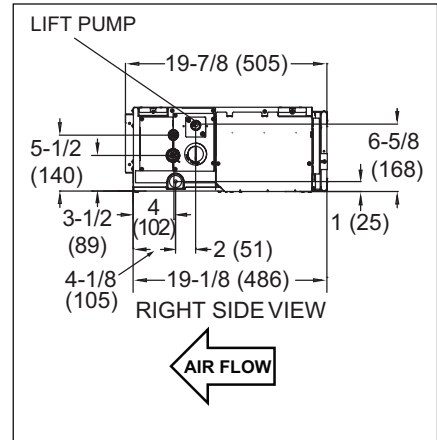
³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



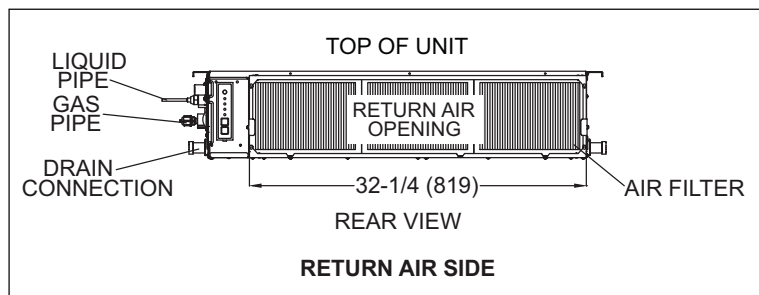
SECTION D-D



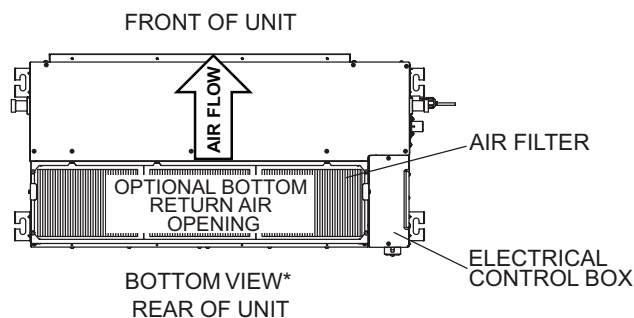
SECTION C-C



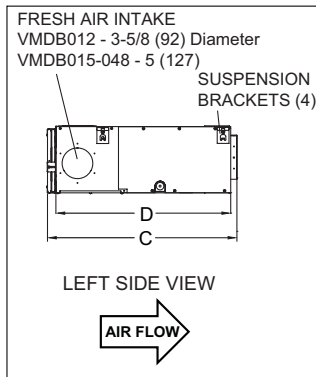
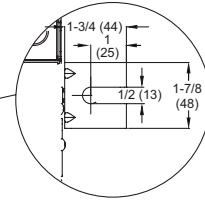
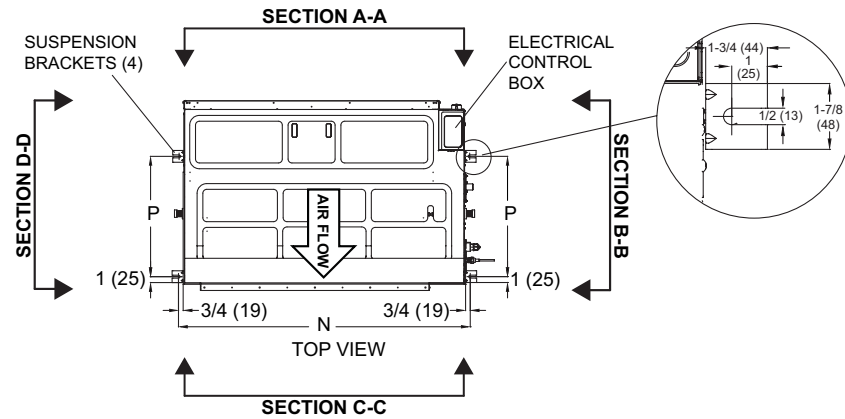
SECTION B-B



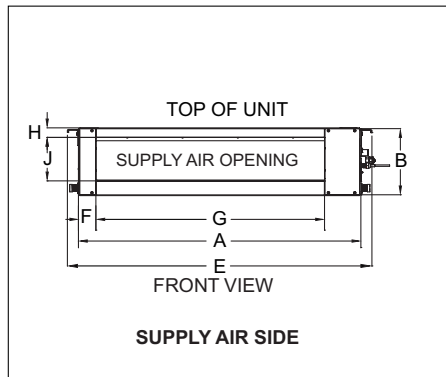
SECTION A-A



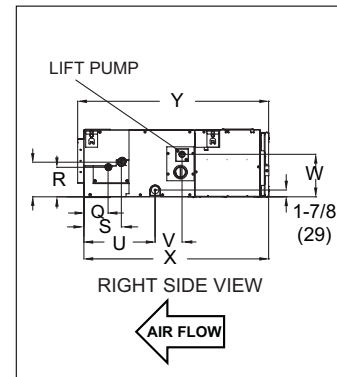
*NOTE - Unit orientation reversed to show alternative filter location and return air path on bottom of unit.



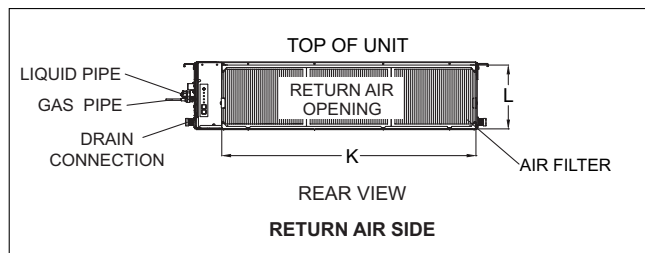
SECTION D-D



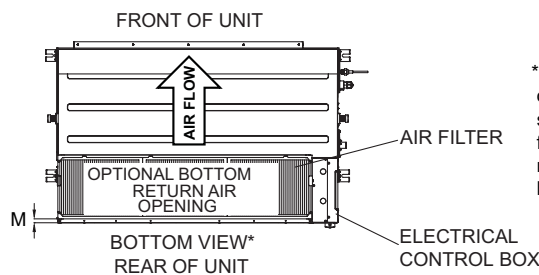
SECTION C-C



SECTION B-B



SECTION A-A



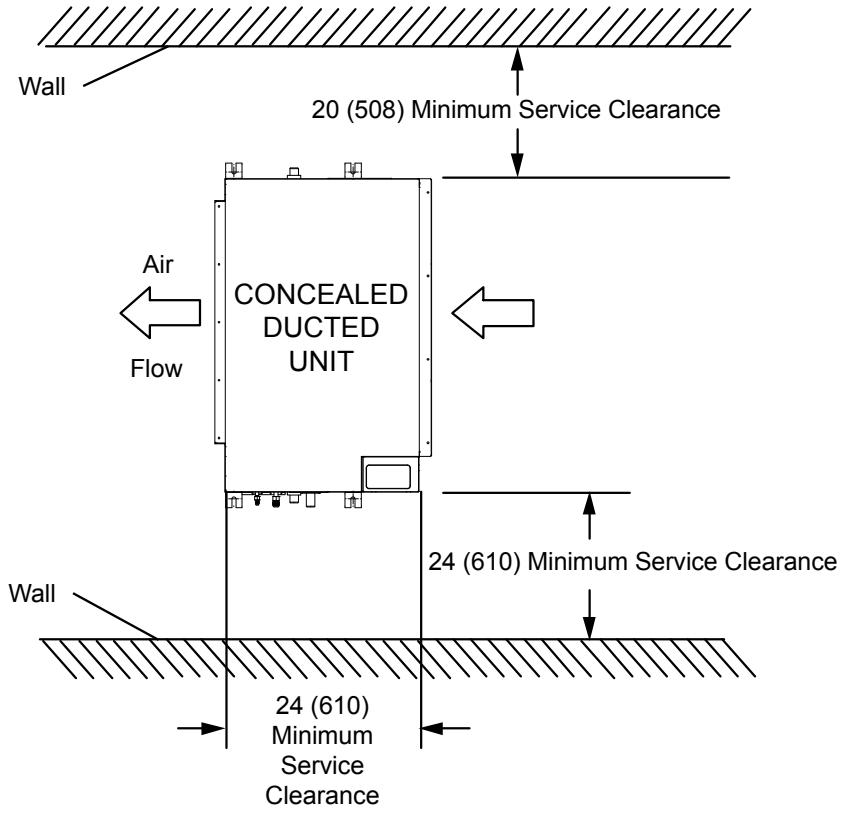
*NOTE - Unit orientation reversed to show alternative filter location and return air path on bottom of unit.

| 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 |
| 012 | 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 |
| 015/018/024 | 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 |
| 030/036/048 | 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 |

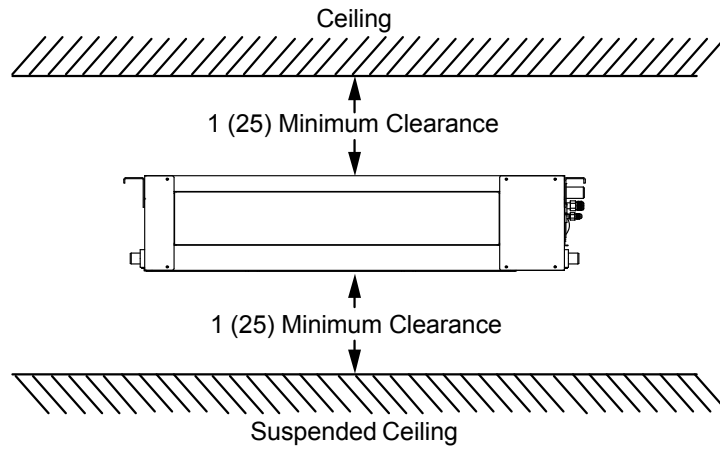
| Size | K | | L | | M | | N | | P | | Q | | R | | S | | T | | U | |
|--------------------|--------|------|--------|-----|-----|-----|--------|------|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|--------|-----|
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| 012 | 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 |
| 015/018/024 | 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 |
| 030/036/048 | 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 |
| 012 | 1-7/8 | 48 | 6-3/4 | 171 | 24-1/8 | 613 | 25-1/8 | 638 |
| 015/018/024 | 4-1/4 | 108 | 6-3/4 | 171 | 29-3/8 | 746 | 30-1/4 | 768 |
| 030/036/048 | 7-1/4 | 184 | 6-3/4 | 171 | 33-1/8 | 841 | 34 | 864 |

INSTALLATION CLEARANCES



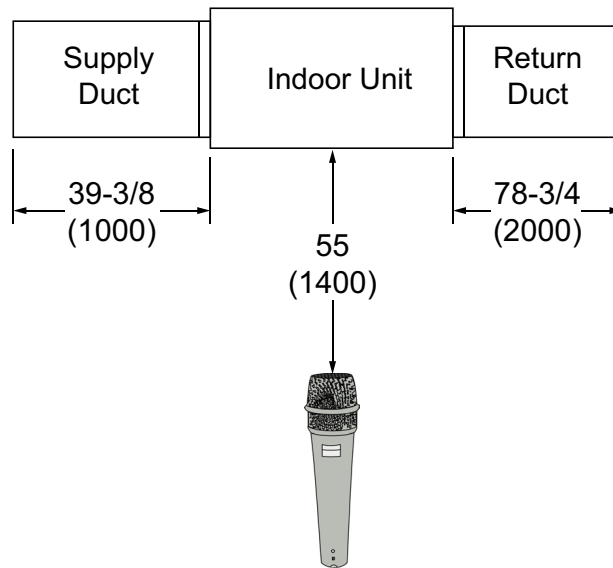
TOP VIEW



FRONT VIEW

SOUND DATA

SOUND LEVELS

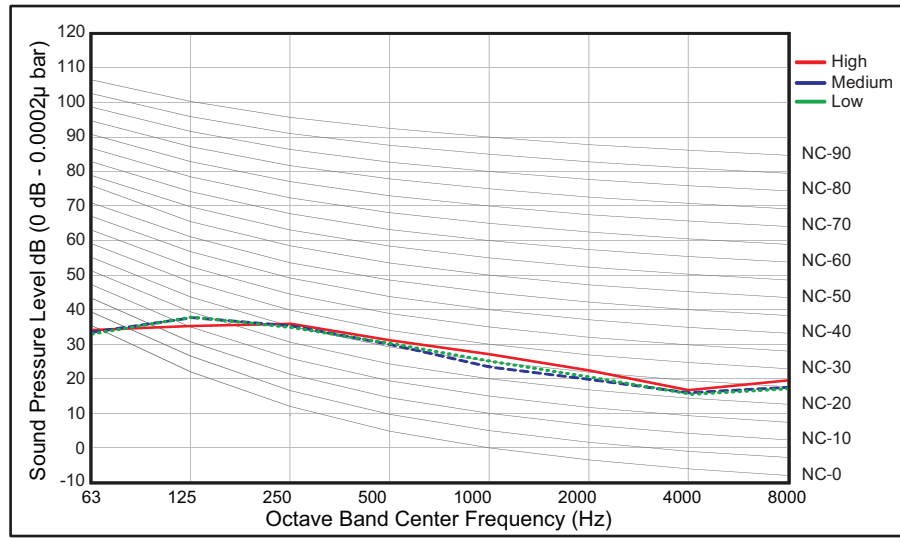


| Model No. | Sound Rating Number (dBA) | | |
|-----------|---------------------------|--------|------|
| | Low | Medium | High |
| VMDB007 | 33.2 | 32.1 | 31.8 |
| VMDB009 | 32.7 | 32.4 | 31.8 |
| VMDB012 | 36.8 | 33.7 | 32.7 |
| VMDB015 | 35.9 | 32.7 | 31.4 |
| VMDB018 | 38.6 | 33.6 | 31.9 |
| VMDB024 | 42 | 36.3 | 34.2 |
| VMDB030 | 46.7 | 42.3 | 39.4 |
| VMDB036 | 47.8 | 43.8 | 40.8 |
| VMDB048 | 48 | 43.8 | 41.2 |

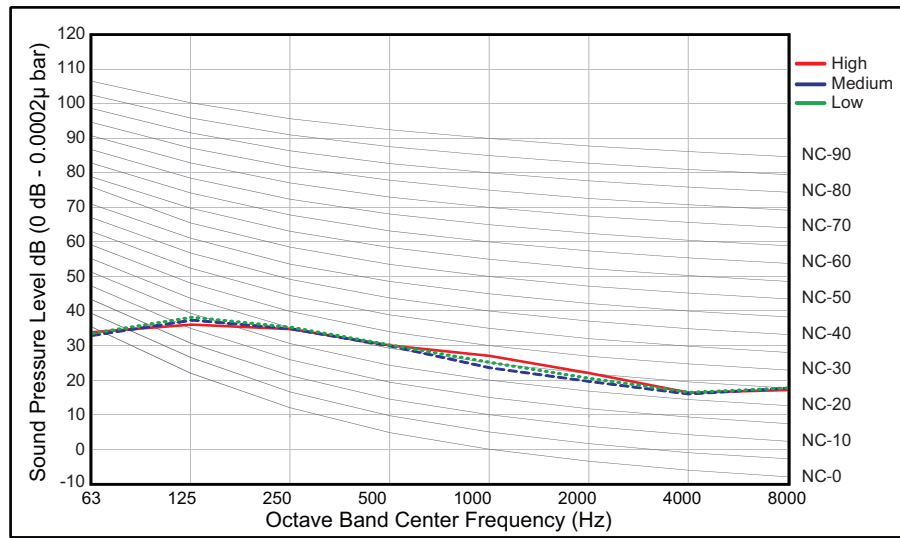
SOUND DATA

OCTAVE BAND SOUND DATA

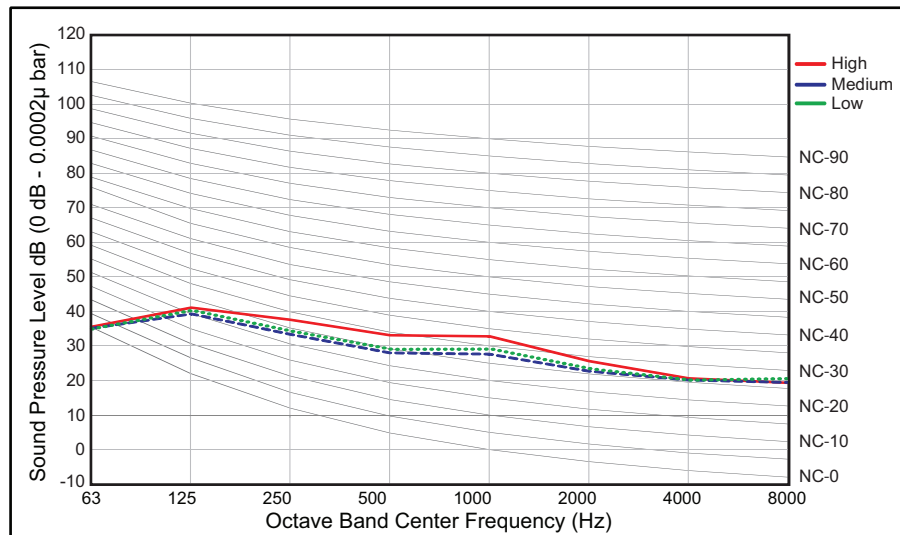
VMDB007H4



VMDB009H4



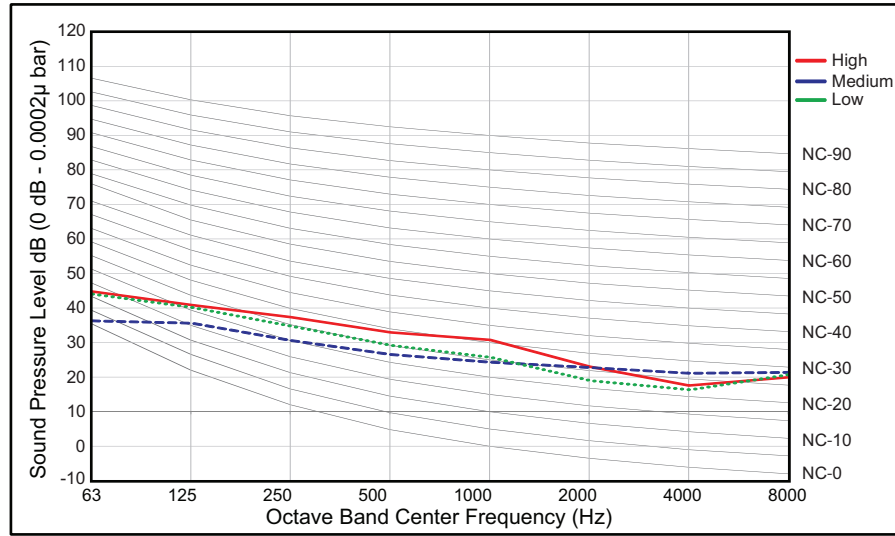
VMDB012H4



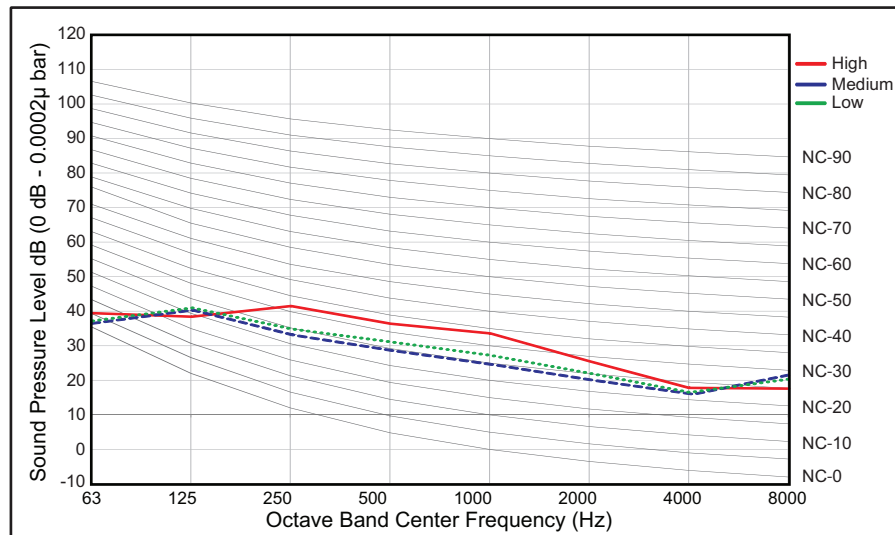
SOUND DATA

OCTAVE BAND SOUND DATA

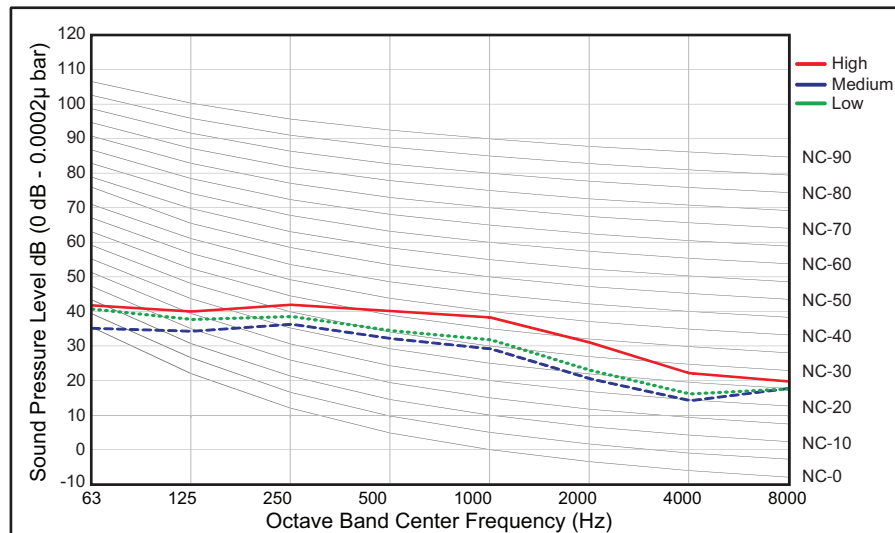
VMDB015H4



VMDB018H4



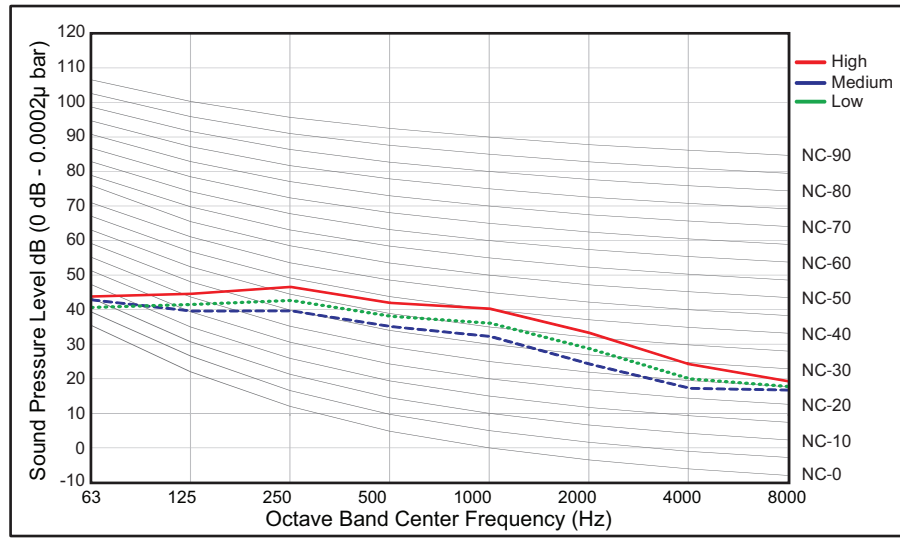
VMDB024H4



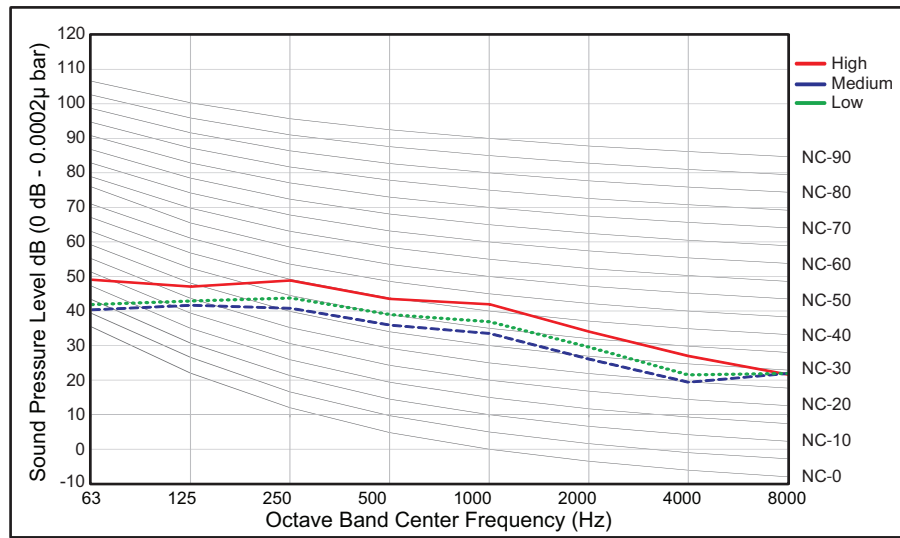
SOUND DATA

OCTAVE BAND SOUND DATA

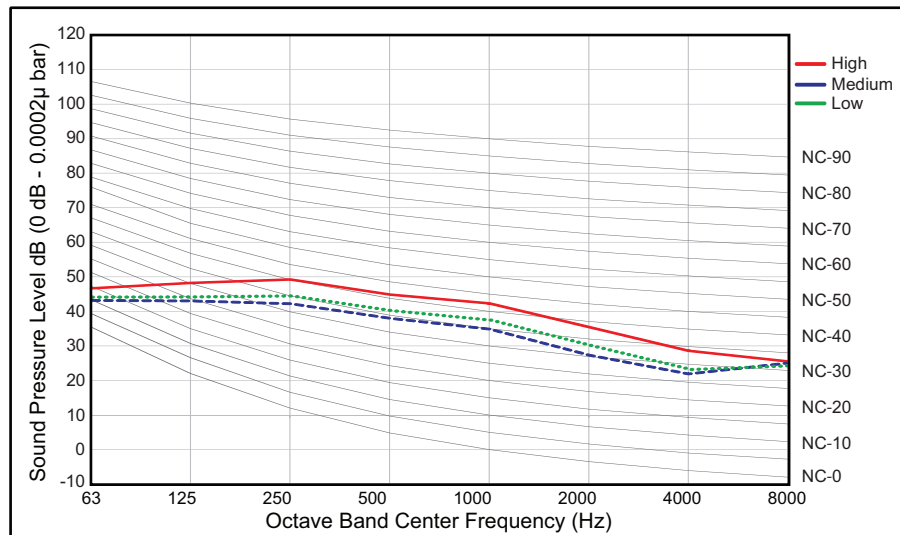
VMDB030H4



VMDB036H4

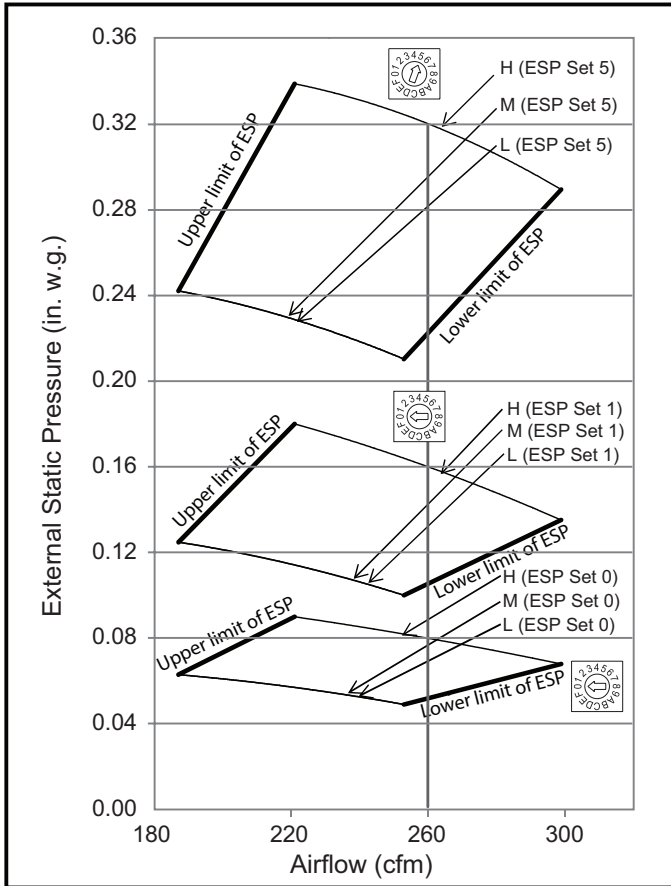


VMDB048H4

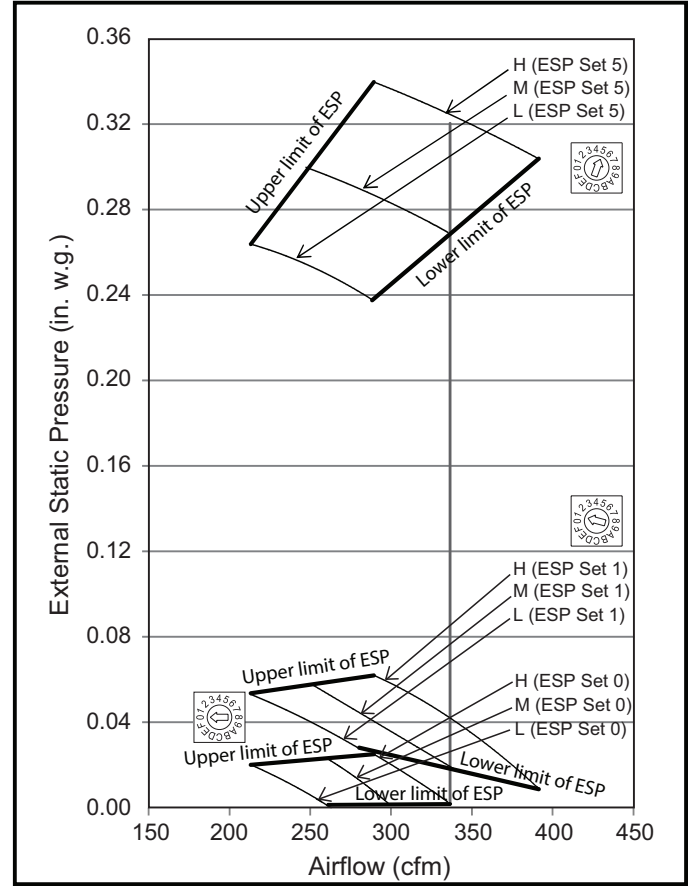


BLOWER DATA

VMDB007H4



VMDB009H4

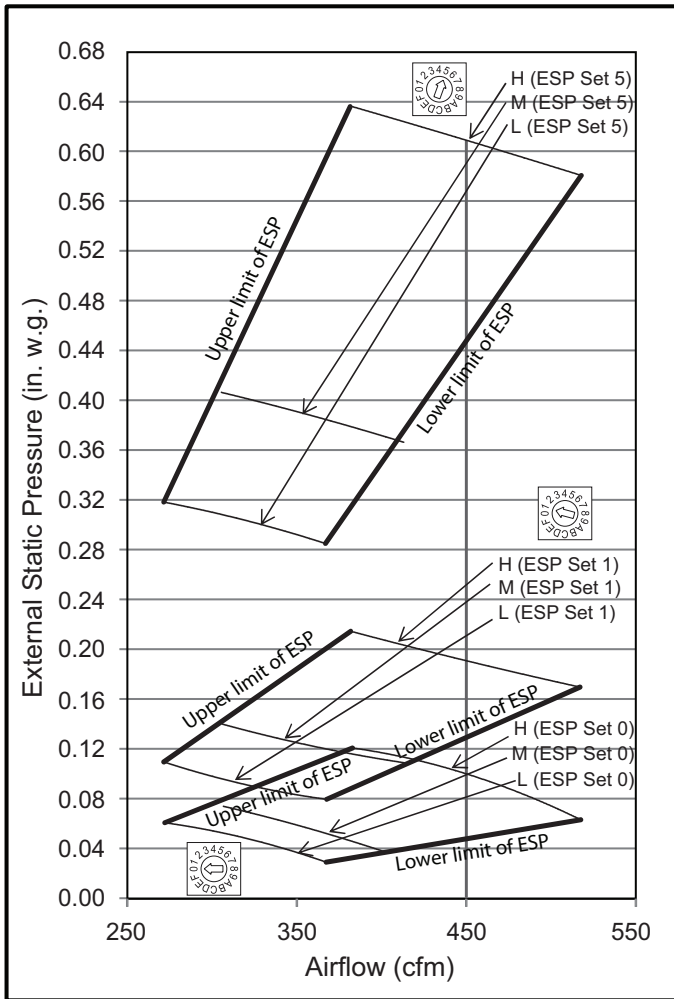


| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 299 | 0.07 | 260 | 0.08 | 221 | 0.09 |
| | M | 253 | 0.05 | 220 | 0.06 | 187 | 0.07 |
| | L | 253 | 0.05 | 220 | 0.06 | 187 | 0.07 |
| 3 | H | 299 | 0.14 | 260 | 0.16 | 221 | 0.18 |
| | M | 253 | 0.10 | 220 | 0.12 | 187 | 0.13 |
| | L | 253 | 0.10 | 220 | 0.12 | 187 | 0.13 |
| 4 | H | 299 | 0.22 | 260 | 0.25 | 221 | 0.27 |
| | M | 253 | 0.16 | 220 | 0.17 | 187 | 0.18 |
| | L | 253 | 0.16 | 220 | 0.17 | 187 | 0.18 |

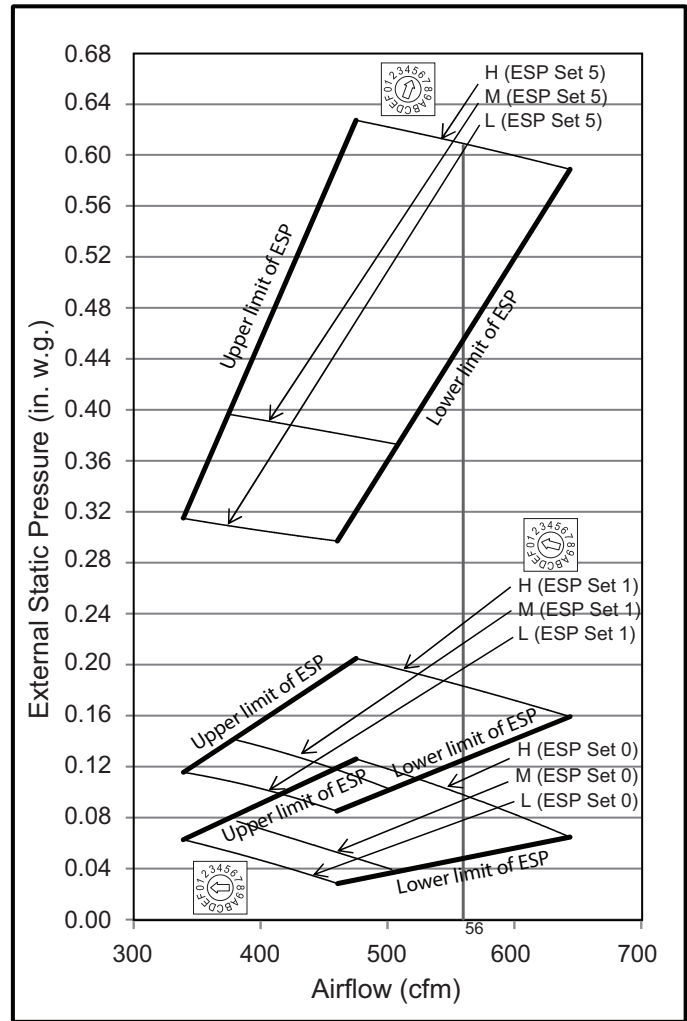
| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 380 | 0.06 | 330 | 0.09 | 281 | 0.11 |
| | M | 299 | 0.10 | 260 | 0.11 | 221 | 0.12 |
| | L | 253 | 0.08 | 220 | 0.09 | 187 | 0.11 |
| 3 | H | 380 | 0.13 | 330 | 0.15 | 281 | 0.17 |
| | M | 299 | 0.11 | 260 | 0.13 | 221 | 0.15 |
| | L | 253 | 0.11 | 220 | 0.12 | 187 | 0.13 |
| 4 | H | 380 | 0.20 | 330 | 0.22 | 281 | 0.24 |
| | M | 299 | 0.19 | 260 | 0.20 | 221 | 0.21 |
| | L | 253 | 0.16 | 220 | 0.17 | 187 | 0.18 |

BLOWER DATA

VMDB012H4



VMDB015H4

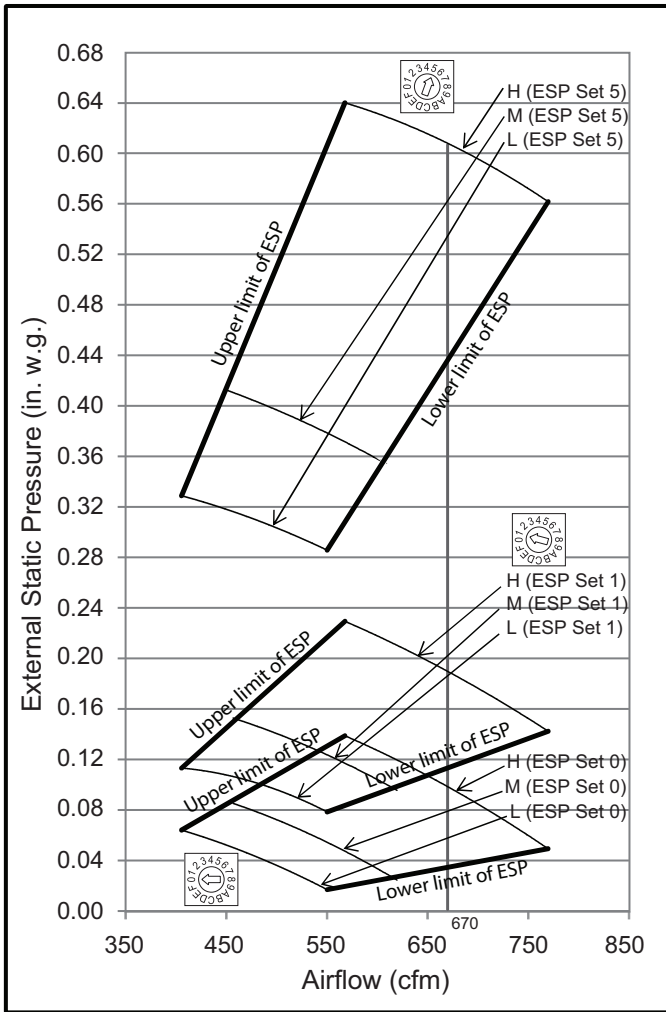


| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 518 | 0.28 | 450 | 0.30 | 383 | 0.33 |
| | M | 414 | 0.18 | 360 | 0.19 | 306 | 0.21 |
| | L | 368 | 0.13 | 320 | 0.15 | 272 | 0.16 |
| 3 | H | 518 | 0.38 | 450 | 0.40 | 383 | 0.42 |
| | M | 414 | 0.25 | 360 | 0.26 | 306 | 0.28 |
| | L | 368 | 0.19 | 320 | 0.20 | 272 | 0.21 |
| 4 | H | 518 | 0.49 | 450 | 0.50 | 383 | 0.54 |
| | M | 414 | 0.31 | 360 | 0.32 | 306 | 0.34 |
| | L | 368 | 0.24 | 320 | 0.25 | 272 | 0.26 |

| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 644 | 0.28 | 560 | 0.30 | 476 | 0.32 |
| | M | 518 | 0.18 | 450 | 0.19 | 383 | 0.21 |
| | L | 460 | 0.15 | 400 | 0.15 | 340 | 0.17 |
| 3 | H | 518 | 0.36 | 450 | 0.40 | 383 | 0.42 |
| | M | 414 | 0.23 | 360 | 0.26 | 306 | 0.27 |
| | L | 368 | 0.20 | 320 | 0.20 | 272 | 0.22 |
| 4 | H | 518 | 0.46 | 450 | 0.50 | 383 | 0.51 |
| | M | 414 | 0.29 | 360 | 0.32 | 306 | 0.33 |
| | L | 368 | 0.23 | 320 | 0.25 | 272 | 0.26 |

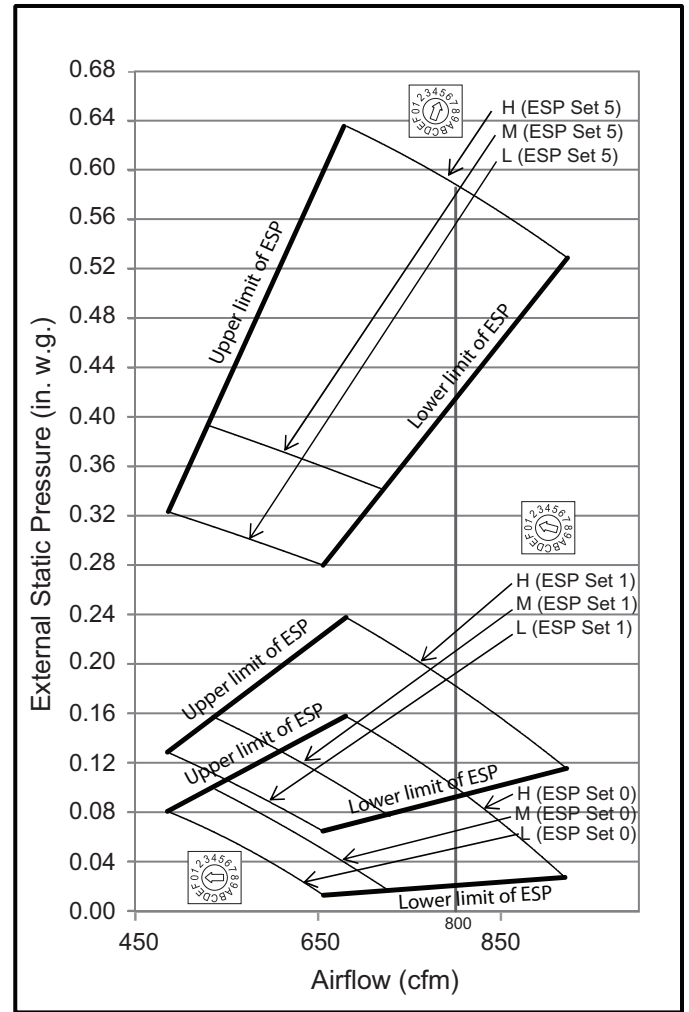
BLOWER DATA

VMDB018H4



| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 771 | 0.26 | 670 | 0.30 | 570 | 0.32 |
| | M | 621 | 0.17 | 540 | 0.19 | 459 | 0.22 |
| | L | 552 | 0.12 | 480 | 0.15 | 408 | 0.16 |
| 3 | H | 771 | 0.36 | 670 | 0.40 | 570 | 0.42 |
| | M | 621 | 0.25 | 540 | 0.26 | 459 | 0.29 |
| | L | 552 | 0.19 | 480 | 0.20 | 408 | 0.22 |
| 4 | H | 771 | 0.46 | 670 | 0.50 | 570 | 0.55 |
| | M | 621 | 0.28 | 540 | 0.32 | 459 | 0.34 |
| | L | 552 | 0.24 | 480 | 0.26 | 408 | 0.27 |

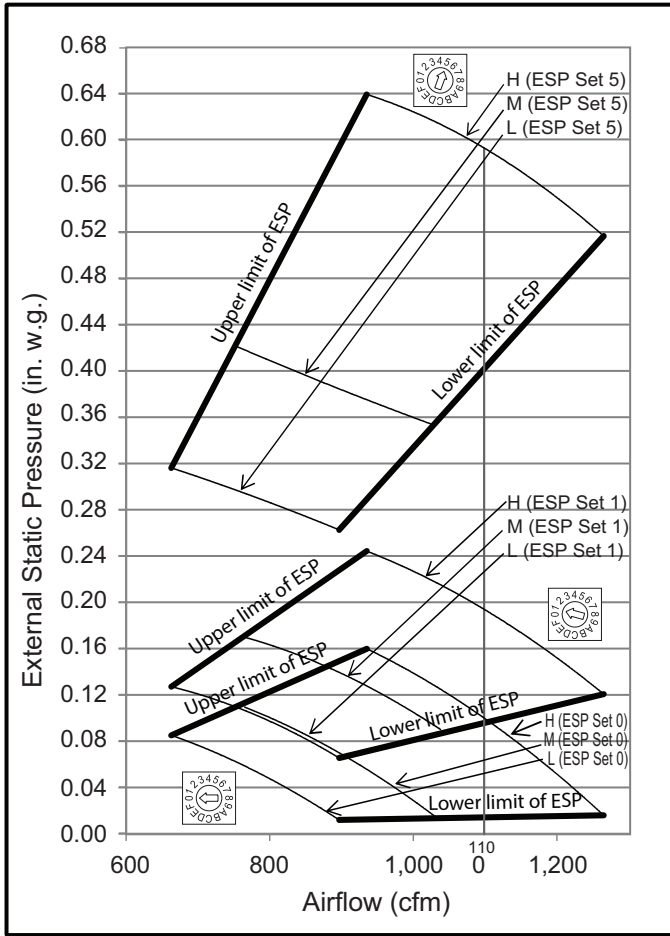
VMDB024H4



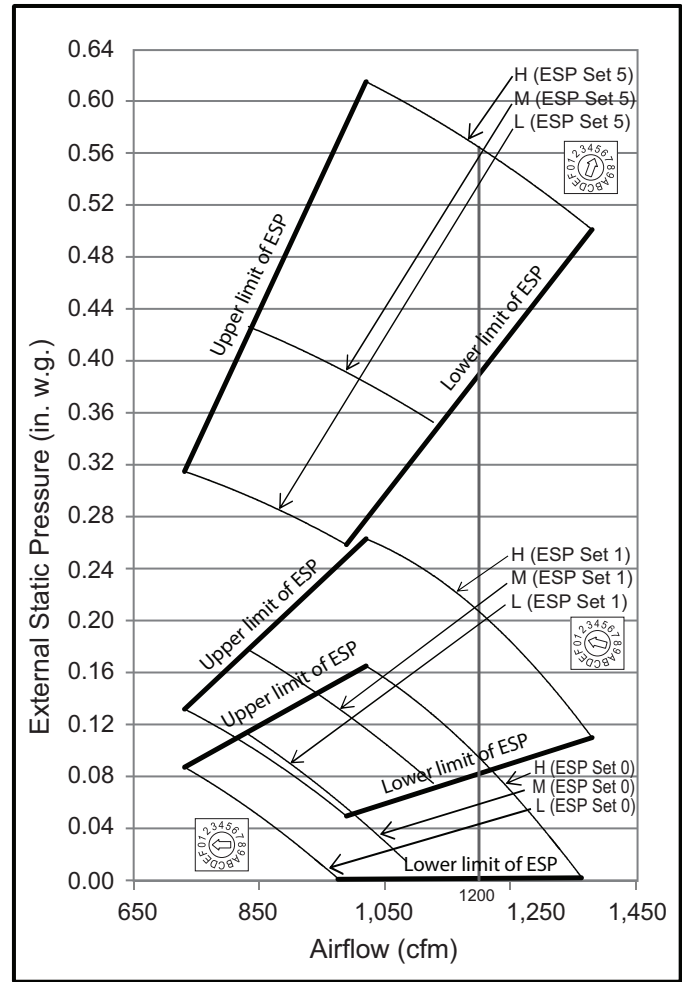
| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 920 | 0.22 | 800 | 0.30 | 680 | 0.32 |
| | M | 736 | 0.14 | 640 | 0.19 | 544 | 0.21 |
| | L | 656 | 0.11 | 570 | 0.15 | 485 | 0.17 |
| 3 | H | 920 | 0.30 | 800 | 0.40 | 680 | 0.39 |
| | M | 736 | 0.20 | 640 | 0.26 | 544 | 0.26 |
| | L | 656 | 0.17 | 570 | 0.20 | 485 | 0.21 |
| 4 | H | 920 | 0.42 | 800 | 0.50 | 680 | 0.50 |
| | M | 736 | 0.28 | 640 | 0.32 | 544 | 0.33 |
| | L | 656 | 0.21 | 570 | 0.25 | 485 | 0.26 |

BLOWER DATA

VMDB030H4



VMDB036H4

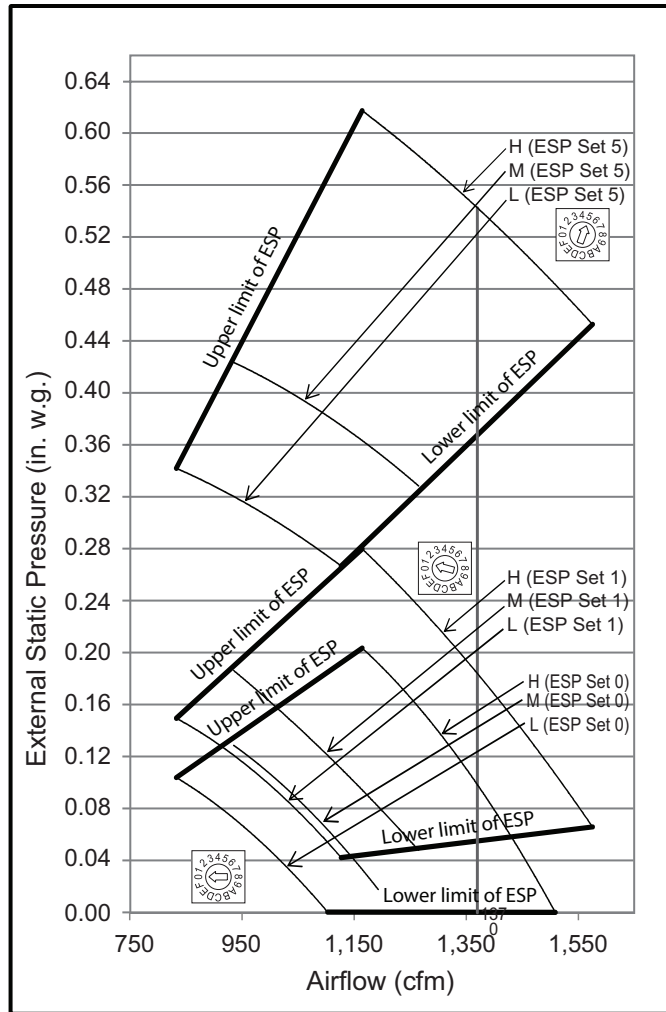


| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 1265 | 0.24 | 1100 | 0.30 | 935 | 0.34 |
| | M | 1035 | 0.16 | 900 | 0.20 | 765 | 0.23 |
| | L | 897 | 0.13 | 780 | 0.15 | 663 | 0.18 |
| 3 | H | 1265 | 0.33 | 1100 | 0.40 | 935 | 0.42 |
| | M | 1035 | 0.23 | 900 | 0.27 | 765 | 0.29 |
| | L | 897 | 0.17 | 780 | 0.20 | 663 | 0.23 |
| 4 | H | 1265 | 0.44 | 1100 | 0.50 | 935 | 0.53 |
| | M | 1035 | 0.29 | 900 | 0.33 | 765 | 0.36 |
| | L | 897 | 0.23 | 780 | 0.25 | 663 | 0.23 |

| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 1380 | 0.21 | 1200 | 0.30 | 1020 | 0.34 |
| | M | 1127 | 0.15 | 980 | 0.20 | 833 | 0.24 |
| | L | 989 | 0.12 | 860 | 0.15 | 731 | 0.19 |
| 3 | H | 1380 | 0.34 | 1200 | 0.40 | 1020 | 0.46 |
| | M | 1127 | 0.21 | 980 | 0.40 | 833 | 0.24 |
| | L | 989 | 0.16 | 860 | 0.21 | 731 | 0.23 |
| 4 | H | 1380 | 0.44 | 1200 | 0.50 | 1020 | 0.55 |
| | M | 1127 | 0.29 | 980 | 0.33 | 833 | 0.37 |
| | L | 989 | 0.21 | 860 | 0.26 | 731 | 0.27 |

BLOWER DATA

VMDB048H4



| ESP Set No. | Fan Speed | Max Point | | Mid Point | | Min Point | |
|-------------|-----------|-----------|------------|-----------|------------|-----------|------------|
| | | Max. cfm | SP (in wg) | Mid. cfm | SP (in wg) | Min. cfm | SP (in wg) |
| 2 | H | 1576 | 0.17 | 1370 | 0.30 | 1165 | 0.36 |
| | M | 1265 | 0.12 | 1100 | 0.19 | 935 | 0.24 |
| | L | 1127 | 0.10 | 980 | 0.15 | 833 | 0.19 |
| 3 | H | 1576 | 0.31 | 1370 | 0.40 | 1165 | 0.47 |
| | M | 1265 | 0.21 | 1100 | 0.40 | 935 | 0.32 |
| | L | 1127 | 0.17 | 980 | 0.20 | 833 | 0.25 |
| 4 | H | 1576 | 0.38 | 1370 | 0.50 | 1165 | 0.58 |
| | M | 1265 | 0.28 | 1100 | 0.32 | 935 | 0.38 |
| | L | 1127 | 0.21 | 980 | 0.26 | 833 | 0.29 |

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 | 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 | 7.00 | 5.33 | 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 | 3.90 | 2.81 | 4.02 | 2.97 | 4.14 | 3.12 | 4.29 | 3.27 | 4.45 | 3.37 | 4.60 | 3.51 | |
| 009 | 5 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.98 | 9.14 |
| | 10 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.98 | 9.14 |
| | 15 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.93 | 9.11 |
| | 20 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.77 | 8.98 |
| | 25 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.59 | 8.85 |
| | 30 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.42 | 8.72 |
| | 35 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.25 | 8.59 |
| | 40 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 11.07 | 8.45 |
| | 45 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 10.90 | 8.32 |
| | 50 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.49 | 7.94 | 10.73 | 8.19 |
| | 55 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.47 | 7.92 | 10.55 | 8.06 |
| | 60 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.30 | 7.79 | 10.38 | 7.93 |
| | 65 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 10.12 | 7.66 | 10.21 | 7.79 |
| | 70 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 9.95 | 7.53 | 10.04 | 7.66 |
| | 75 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 9.78 | 7.40 | 9.86 | 7.53 |
| | 80 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 9.60 | 7.27 | 9.69 | 7.40 |
| | 85 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 9.43 | 7.14 | 9.52 | 7.27 |
| | 90 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 9.26 | 7.01 | 9.35 | 7.14 |
| 95 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.50 | 6.47 | 9.09 | 6.88 | 9.17 | 7.00 | |
| 100 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.34 | 6.35 | 8.91 | 6.75 | 8.99 | 6.87 | |
| 105 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 8.17 | 6.22 | 8.71 | 6.59 | 8.72 | 6.66 | |
| 110 | 5.28 | 3.81 | 6.40 | 4.72 | 7.51 | 5.66 | 7.69 | 5.85 | 8.34 | 6.31 | 8.46 | 6.46 | |
| 115 | 5.28 | 3.81 | 6.12 | 4.52 | 6.27 | 4.73 | 6.11 | 4.65 | 6.67 | 5.05 | 6.87 | 5.25 | |
| 118 | 5.02 | 3.62 | 5.17 | 3.81 | 5.32 | 4.01 | 5.21 | 3.97 | 5.72 | 4.33 | 5.92 | 4.52 | |

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 |
| 012 | 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 | 12.00 | 9.13 | 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 | 6.69 | 4.82 | 6.89 | 5.08 | 7.09 | 5.34 | 7.36 | 5.60 | 7.62 | 5.77 | 7.89 | 6.02 | |
| 015 | 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 | 15.00 | 11.42 | 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 | 8.36 | 6.03 | 8.61 | 6.35 | 8.86 | 6.68 | 9.20 | 7.00 | 9.53 | 7.21 | 9.86 | 7.53 | |

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 | 5 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 25.28 | 19.30 |
| | 10 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 25.28 | 19.30 |
| | 15 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 25.19 | 19.23 |
| | 20 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 24.84 | 18.96 |
| | 25 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 24.47 | 18.68 |
| | 30 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 24.10 | 18.40 |
| | 35 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 23.74 | 18.13 |
| | 40 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 23.38 | 17.85 |
| | 45 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 23.01 | 17.57 |
| | 50 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.14 | 16.76 | 22.65 | 17.29 |
| | 55 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 22.10 | 16.73 | 22.28 | 17.01 |
| | 60 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 21.73 | 16.45 | 21.92 | 16.73 |
| | 65 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 21.37 | 16.17 | 21.55 | 16.46 |
| | 70 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 21.01 | 15.90 | 21.19 | 16.18 |
| | 75 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 20.64 | 15.62 | 20.82 | 15.90 |
| | 80 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 20.28 | 15.35 | 20.46 | 15.62 |
| | 85 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 19.91 | 15.07 | 20.09 | 15.34 |
| | 90 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 19.55 | 14.79 | 19.73 | 15.06 |
| 95 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 18.00 | 13.70 | 19.18 | 14.52 | 19.37 | 14.79 | |
| 100 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 17.66 | 13.43 | 18.82 | 14.24 | 18.99 | 14.50 | |
| 105 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 17.31 | 13.18 | 18.39 | 13.92 | 18.42 | 14.06 | |
| 110 | 11.15 | 8.03 | 13.50 | 9.96 | 15.86 | 11.96 | 16.28 | 12.39 | 17.60 | 13.32 | 17.85 | 13.63 | |
| 115 | 11.15 | 8.03 | 12.92 | 9.53 | 13.24 | 9.98 | 12.94 | 9.85 | 14.08 | 10.66 | 14.50 | 11.07 | |
| 118 | 10.59 | 7.63 | 10.91 | 8.05 | 11.22 | 8.46 | 11.04 | 8.40 | 12.07 | 9.14 | 12.49 | 9.54 | |
| 024 | 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 | 13.38 | 9.64 | 13.78 | 10.17 | 14.18 | 10.69 | 14.71 | 11.20 | 15.25 | 11.54 | 15.78 | 12.05 | |

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 | 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 | 16.72 | 12.05 | 17.22 | 12.71 | 17.72 | 13.36 | 18.39 | 14.00 | 19.06 | 14.42 | 19.72 | 15.06 | |
| 036 | 5 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 38.00 | 28.92 | 44.28 | 33.52 | 50.56 | 38.60 |
| | 10 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 50.56 | 38.60 |
| | 15 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 50.38 | 38.47 |
| | 20 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 49.68 | 37.93 |
| | 25 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 48.94 | 37.36 |
| | 30 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 48.21 | 36.81 |
| | 35 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 47.48 | 36.25 |
| | 40 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 46.75 | 35.69 |
| | 45 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 46.02 | 35.14 |
| | 50 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.28 | 33.52 | 45.29 | 34.58 |
| | 55 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 44.20 | 33.45 | 44.56 | 34.02 |
| | 60 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 43.47 | 32.90 | 43.83 | 33.47 |
| | 65 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 42.74 | 32.35 | 43.11 | 32.91 |
| | 70 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 42.01 | 31.80 | 42.38 | 32.35 |
| | 75 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 41.28 | 31.25 | 41.65 | 31.80 |
| | 80 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 40.55 | 30.69 | 40.92 | 31.24 |
| | 85 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 39.82 | 30.14 | 40.19 | 30.68 |
| | 90 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 39.09 | 29.59 | 39.46 | 30.13 |
| 95 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 36.00 | 27.40 | 38.37 | 29.04 | 38.73 | 29.57 | |
| 100 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 35.31 | 26.88 | 37.64 | 28.49 | 37.98 | 28.99 | |
| 105 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 34.62 | 26.35 | 36.79 | 27.84 | 36.84 | 28.13 | |
| 110 | 22.30 | 16.07 | 27.01 | 19.93 | 31.72 | 23.91 | 32.55 | 24.78 | 35.20 | 26.64 | 35.70 | 27.26 | |
| 115 | 22.30 | 16.07 | 25.84 | 19.07 | 26.47 | 19.96 | 25.88 | 19.70 | 28.16 | 21.32 | 29.01 | 22.15 | |
| 118 | 21.18 | 15.26 | 21.82 | 16.10 | 22.45 | 16.92 | 22.06 | 16.80 | 24.14 | 18.27 | 24.98 | 19.07 | |

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 | 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 | 26.76 | 19.28 | 27.56 | 20.33 | 28.36 | 21.38 | 29.42 | 22.40 | 30.49 | 23.08 | 31.56 | 24.09 | |

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 |
| | 47 | 43 | 8.49 | 8.33 | 8.16 | 8.00 | 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 | |
| 009 | -13 | -14 | 4.92 | 4.70 | 4.48 | 4.26 | 4.04 | 3.89 |
| | -8 | -9 | 5.51 | 5.28 | 5.06 | 4.84 | 4.62 | 4.47 |
| | -3 | -4 | 6.09 | 5.87 | 5.65 | 5.42 | 5.20 | 5.05 |
| | 2 | 1 | 6.67 | 6.45 | 6.23 | 6.01 | 5.78 | 5.64 |
| | 7 | 6 | 7.25 | 7.03 | 6.81 | 6.59 | 6.37 | 6.22 |
| | 12 | 10 | 7.72 | 7.50 | 7.28 | 7.06 | 6.83 | 6.69 |
| | 17 | 15 | 8.30 | 8.08 | 7.86 | 7.64 | 7.42 | 7.27 |
| | 22 | 20 | 8.89 | 8.66 | 8.44 | 8.22 | 8.00 | 7.85 |
| | 27 | 24 | 9.35 | 9.13 | 8.91 | 8.69 | 8.47 | 8.32 |
| | 32 | 29 | 9.94 | 9.71 | 9.49 | 9.27 | 9.05 | 8.90 |
| | 37 | 34 | 10.52 | 10.30 | 10.08 | 9.85 | 9.63 | 9.48 |
| | 42 | 38 | 10.98 | 10.76 | 10.54 | 10.32 | 10.10 | 9.63 |
| | 47 | 43 | 11.57 | 11.35 | 11.12 | 10.90 | 10.14 | 9.63 |
| | 52 | 47 | 12.03 | 11.81 | 11.59 | 10.90 | 10.14 | 9.63 |
| | 57 | 52 | 12.62 | 12.40 | 11.66 | 10.90 | 10.14 | 9.63 |
| | 62 | 56 | 13.08 | 12.42 | 11.66 | 10.90 | 10.14 | 9.63 |
| | 67 | 61 | 13.18 | 12.42 | 11.66 | 10.90 | 10.14 | 9.63 |
| 72 | 66 | 13.18 | 12.42 | 11.66 | 10.90 | 10.14 | 9.63 | |
| 75 | 69 | 13.18 | 12.42 | 11.66 | 10.90 | 10.14 | 9.63 | |

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 | |
| 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 | |

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 | 21.00 | 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 | |
| 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 | |

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 | 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 | |
| 036 | -13 | -14 | 16.50 | 15.65 | 14.79 | 13.94 | 13.08 | 12.51 |
| | -8 | -9 | 18.96 | 18.11 | 17.25 | 16.40 | 15.54 | 14.98 |
| | -3 | -4 | 21.43 | 20.57 | 19.72 | 18.86 | 18.01 | 17.44 |
| | 2 | 1 | 23.89 | 23.03 | 22.18 | 21.32 | 20.47 | 19.90 |
| | 7 | 6 | 26.35 | 25.50 | 24.64 | 23.79 | 22.93 | 22.36 |
| | 12 | 10 | 28.32 | 27.47 | 26.61 | 25.76 | 24.90 | 24.33 |
| | 17 | 15 | 30.78 | 29.93 | 29.07 | 28.22 | 27.36 | 26.80 |
| | 22 | 20 | 33.25 | 32.39 | 31.54 | 30.68 | 29.83 | 29.26 |
| | 27 | 24 | 35.22 | 34.36 | 33.51 | 32.65 | 31.80 | 31.23 |
| | 32 | 29 | 37.68 | 36.82 | 35.97 | 35.11 | 34.26 | 33.69 |
| | 37 | 34 | 40.14 | 39.29 | 38.43 | 37.58 | 36.72 | 36.15 |
| | 42 | 38 | 42.11 | 41.26 | 40.40 | 39.55 | 38.69 | 37.12 |
| | 47 | 43 | 44.57 | 43.72 | 42.86 | 42.00 | 39.07 | 37.12 |
| | 52 | 47 | 46.54 | 45.69 | 44.83 | 42.00 | 39.07 | 37.12 |
| | 57 | 52 | 49.01 | 47.86 | 44.93 | 42.00 | 39.07 | 37.12 |
| | 62 | 56 | 50.79 | 47.86 | 44.93 | 42.00 | 39.07 | 37.12 |
| | 67 | 61 | 50.79 | 47.86 | 44.93 | 42.00 | 39.07 | 37.12 |
| 72 | 66 | 50.79 | 47.86 | 44.93 | 42.00 | 39.07 | 37.12 | |
| 75 | 69 | 50.79 | 47.86 | 44.93 | 42.00 | 39.07 | 37.12 | |

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 | |

NOTE - MBH = 1000 BTUs per hour.



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