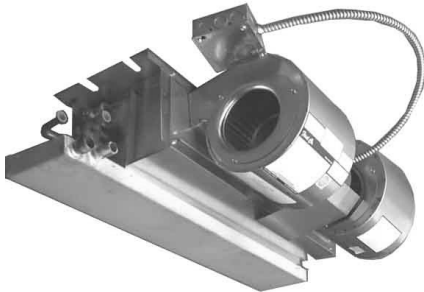
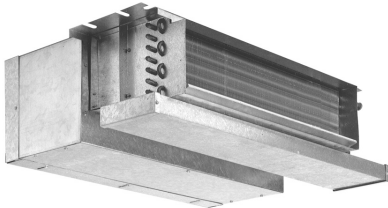




**PRODUCT SPECIFICATIONS**  
\*HBC(X) \*PHBC(X) \*RHBC(X) \*CHBC(X)  
Chilled Water/Hot Water 2-pipe/4-Pipe



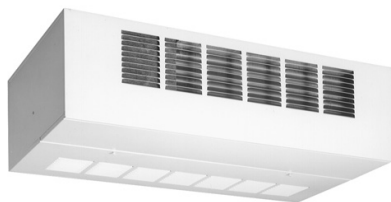
Ceiling Concealed



Ceiling Concealed with Plenum



Ceiling Recessed



Ceiling Exposed

## **HBC SERIES-PSC MOTOR** **HBCX SERIES-ECM MOTOR**

### **Horizontal**

**300-1200 CFM**

Ceiling Concealed  
Ceiling Recessed  
Ceiling Exposed

- **HIGH EFFICIENCY**
- **HIGH PERFORMANCE**

### **ECM Motor Options**

*The ECM motor option includes 24V controls, a constant torque, permanent magnet, brushless DC motor, with 4 discrete speed taps that allow for high static applications and precise air balancing*

### **MERV 8**

### **LOUVERED ACCESS PANELS**

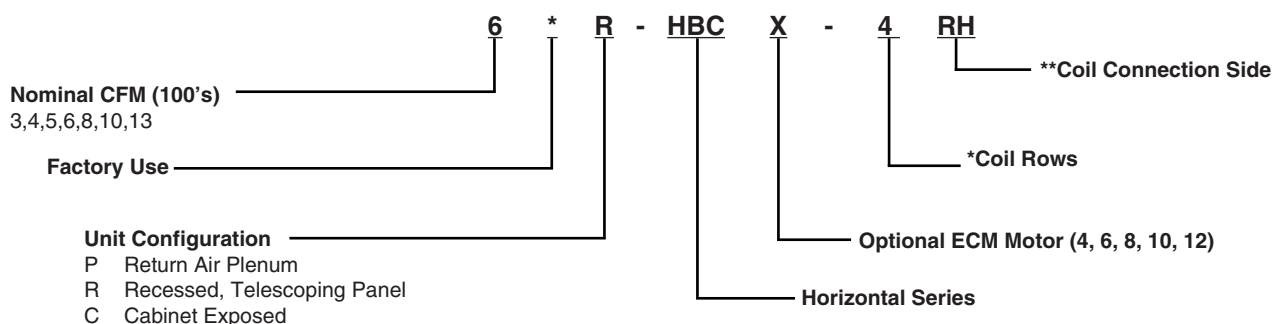
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**First Company**  
P.O. Box 270969  
Dallas, TX 75227  
Ph. (214)-388-5751  
[www.firstco.com](http://www.firstco.com)

|                              |       |                                              |                                |
|------------------------------|-------|----------------------------------------------|--------------------------------|
| Table of Contents            | 2     | <b>Blower Performance Tables (PSC Motor)</b> |                                |
| Nomenclature                 | 2     | <b>120/1/60</b>                              |                                |
| Features                     | 3     | HBC                                          | 13                             |
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|                              |       | RHBC (Recessed with Panel)                   | 15                             |
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|                              |       | PHBCX                                        | 4-Row (With Plenum) 24         |
|                              |       | RHBCX                                        | 4-Row (Recessed with Panel) 25 |
|                              |       | CHBCX                                        | 4-Row (Cabinet Exposed) 26     |
|                              |       | HBCX                                         | 32-Row 25                      |
|                              |       | CHBCX                                        | 32-Row (Cabinet Exposed) 26    |
|                              |       | HBCX -277                                    | 4-Row 27                       |

## MODEL NOMENCLATURE



### \*\*Coil Connection Side

RH Right Hand (default)  
 LH Left Hand  
 Hand connection is determined by  
 looking with airflow

### \*Coil Configurations

| Rows | Description                           |
|------|---------------------------------------|
| 3    | 2-Pipe 3 Row                          |
| 4    | 2-Pipe 4 Row                          |
| 31   | 4-Pipe 3 Row Cooling, 1-Row Hot Water |
| 32   | 4-Pipe 3 Row Cooling, 2-Row Hot Water |
| 41   | 4-Pipe 4 Row Cooling, 1-Row Hot Water |

### Available Voltage (PSC Motors)

120V/1/60  
 208-230V/1/60  
 220V/1/50  
 277V/1/60

### Available Voltage (ECM Motors)

120V/1/60



## NEW! ECM Motor Option

This new ECM motor option includes 24V controls, a constant torque, permanent magnet, brushless DC motor, with 4 discrete speed taps that allow for precise air balancing.

## Standard Features

**Basic Unit** - All fan coils are manufactured with heavy gauge galvanized steel to resist corrosion. All models are approved for installation with "0" clearance to combustible material.

**Insulation** - Plenums and cabinets are insulated with Tuf-Skin dual density fiber glass blanket insulation with an anti-microbial agent.

**Ceiling Panels** - Hinged access/return panels are manufactured with heavy gauge galvanized steel with captive mounting screws and an attractive white baked powder finish.

**Condensate Pans** - Positive sloped drain pans are galvanized steel, coated on the inside surface with a U.L. Listed closed cell, fire retardant, foam insulation. Pan includes both primary and secondary drain connections.

**Return Air Plenums** - Return air plenums are manufactured from galvanized steel insulated with Tuf-Skin dual density fiber glass blanket insulation and a 1" TA fiber glass filter.

**Coils** - Constructed with seamless copper tubes and headers. The tubes are mechanically expanded into corrugated aluminum fin material for a permanent primary to secondary surface bond. Coils are tested under water at 350 PSI for operation at 300 PSI. Coils include manual air vents.

**Fan Wheels-Housing** - are double width, double inlet (DWDI) forward curved, centrifugal type. Wheels are statically and dynamically balanced for smooth, quiet operation. The housing is constructed from heavy gauge galvanized steel with die-formed inlet cones.

**Motors** - Standard motors are PSC, permanently lubricated type with internal thermal overload protection.

## Options

Factory mounted options include ECM motors 120V only, stainless steel drain pans, foil faced cabinet insulation, Multi-24 3-speed 24V control, valve packages, thermostats, aqua stats, service switches. 120V, 208V/240V, 277V, 60hz and (220/50hz, PSC MOTORS ONLY)



\*Factory use  
(X) Denotes with ECM motor

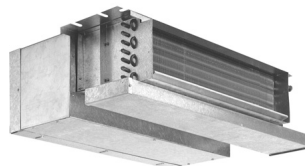
## \*HBC(X) Series - Ceiling Concealed

The \* HBC series is designed for fully concealed applications. This 10" high space saving unit provides easy access for service and maintenance.

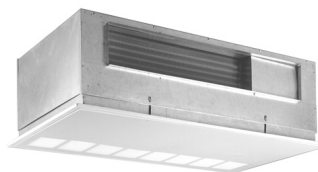


## \*PHBC(X) Series - Ceiling Concealed with Plenum

The \* HBC series is designed for fully concealed applications. This 10" high space saving unit provides easy access for service and maintenance.



**\*RHBC(X) Series - Ceiling Recessed** includes adjustable hinged access/return panel with 1" TA fiber glass filter. The cabinet allows for a field mounted rear return duct connection by using a solid access panel.



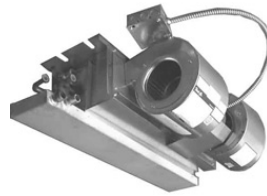
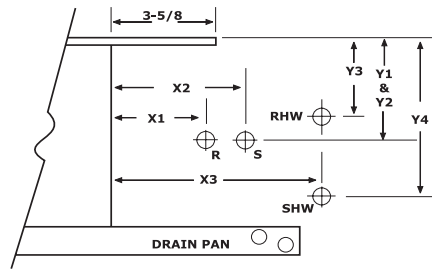
**\*CHBC(X) Series - Ceiling Recessed** cabinet with an attractive baked powder finish. Cabinet includes stamped discharge opening and hinged bottom panel with 1" TA fiber glass filter.



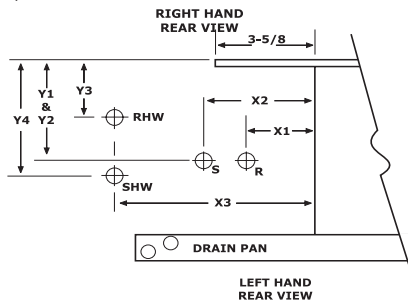
## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## \*HBC PHYSICAL DATA

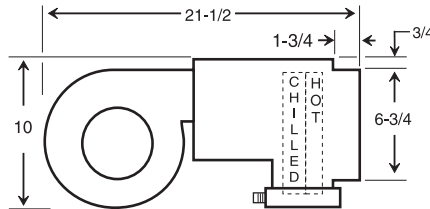


LEFT HAND MODEL SHOWN

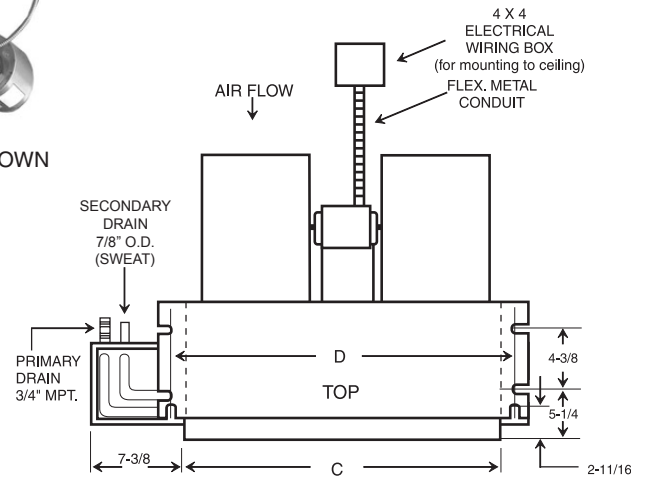


LEFT HAND  
REAR VIEW

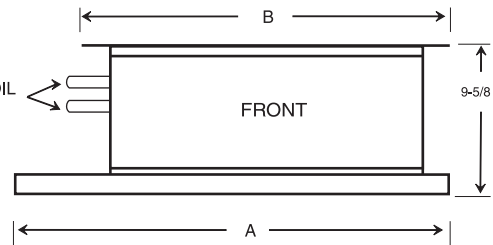
RIGHT SIDE



4 - PIPE UNIT SHOWN



5/8 O.D. COIL  
CONN.  
(SWEAT)



NOTE: RIGHT HAND MODEL SHOWN - LEFT HAND  
MODEL HAS DRAIN AND PIPING CONNECTIONS ON  
OPPOSITE SIDE OF FAN COIL.

### GENERAL DIMENSIONS

| MODEL     | A      | B      | C      | D      |
|-----------|--------|--------|--------|--------|
| 3*HBC     | 30-1/8 | 27-1/4 | 20-1/8 | 25-1/4 |
| 4*HBC(X)  | 36-1/8 | 33-1/4 | 26-1/8 | 31-1/4 |
| 5*HBC     | 40-1/8 | 37-1/4 | 30-1/8 | 35-1/4 |
| 6*HBC(X)  | 40-1/8 | 37-1/4 | 30-1/8 | 35-1/4 |
| 8*HBC(X)  | 46-1/8 | 43-1/4 | 36-1/8 | 41-1/4 |
| 10*HBC(X) | 52-1/8 | 49-1/4 | 42-1/8 | 47-1/4 |
| 12*HBC(X) | 59-1/8 | 56-1/4 | 49-1/8 | 54-1/4 |
| 13*HBC    | 59-1/8 | 56-1/4 | 49-1/8 | 54-1/4 |

(X)- Available with ECM motor

### NOTES:

- 1) ALL DIMENSIONS IN INCHES.
- 2) COIL CONNECTION TOLERANCE  $\pm 1/4"$ .
- 3) RIGHT HAND UNIT SHOWN, LEFT HAND MIRROR IMAGE.  
(HAND IS DETERMINED BY FACING THE BLOWER END)

### OPTIONAL FIELD MOUNTED RETURN AIR PLENUM KITS

| PART NO   | FOR MODEL NO. | DIMENSIONS (H X W X D) | SHIP WT. |
|-----------|---------------|------------------------|----------|
| 916-1-STK | 3*HBC         | 10 X 24 X 12-1/2       | 18       |
| 916-2-STK | 4*HBC(X)      | 10 X 30 X 12-1/2       | 22       |
| 916-3-STK | 5*HBC         | 10 X 34 X 12-1/2       | 22       |
| 916-3-STK | 6*HBC(X)      | 10 X 34 X 12-1/2       | 22       |
| 916-4-STK | 8*HBC(X)      | 10 X 40 X 12-1/2       | 24       |
| 916-5-STK | 10*HBC(X)     | 10 X 46 X 12-1/2       | 27       |
| 916-6-STK | 13*HBC        | 10 X 53 X 12-1/2       | 30       |

### HBC HEADER LOCATIONS

| RIGHT HAND | X1 | Y1    | X2 | Y2 | X3  | Y3    | Y4    |
|------------|----|-------|----|----|-----|-------|-------|
| 3 ROW      | 3  | 4-1/4 | 5  | 4  | --- | ---   | ---   |
| 3/1 Split  | 3  | 4-1/4 | 5  | 4  | 8   | 3-1/2 | 5-1/2 |
| 3/2 Split  | 3  | 4-1/4 | 5  | 4  | 8   | 3-1/2 | 5-1/2 |
| 4 ROW      | 3  | 4-1/4 | 5  | 4  | --- | ---   | ---   |
| 4/1 Split  | 3  | 4-1/4 | 5  | 4  | 8   | 4     | 6     |

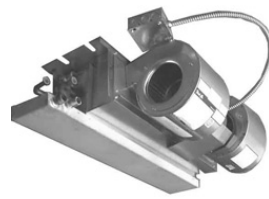
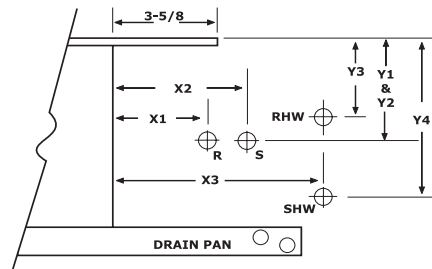
### HBC HEADER LOCATIONS

| LEFT HAND | X1 | Y1    | X2 | Y2 | X3  | Y3    | Y4    |
|-----------|----|-------|----|----|-----|-------|-------|
| 3 ROW     | 3  | 3-3/4 | 5  | 4  | --- | ---   | ---   |
| 3/1 Split | 3  | 3-3/4 | 5  | 4  | 8   | 2-1/2 | 4-1/2 |
| 3/2 Split | 3  | 3-3/4 | 5  | 4  | 8   | 2-1/2 | 4-1/2 |
| 4 ROW     | 3  | 3-3/4 | 5  | 4  | --- | ---   | ---   |
| 4/1 Split | 3  | 3-3/4 | 5  | 4  | 8   | 2     | 4     |

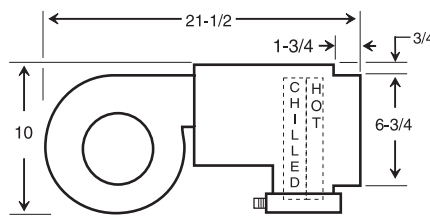
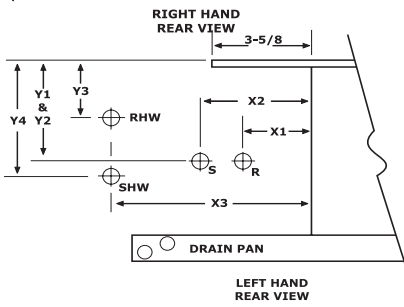
## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

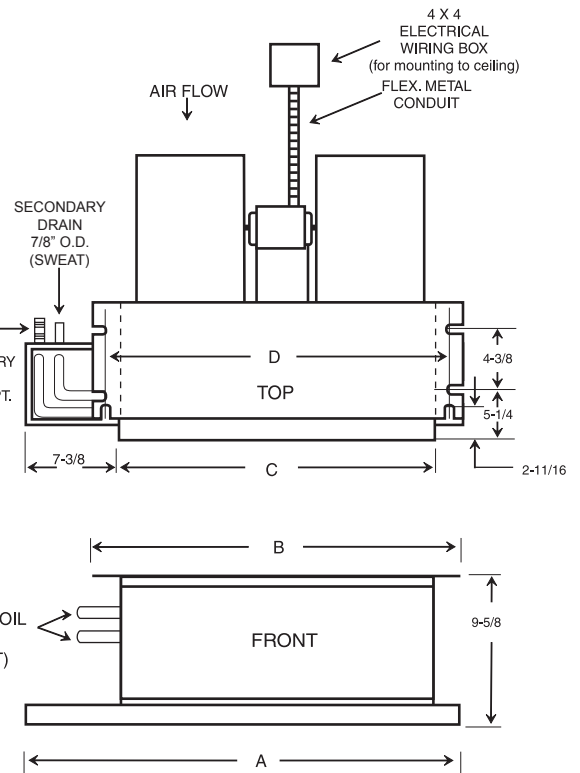
## \*HBC PHYSICAL DATA



LEFT HAND MODEL SHOWN



4 - PIPE UNIT SHOWN



NOTE: RIGHT HAND MODEL SHOWN - LEFT HAND MODEL HAS DRAIN AND PIPING CONNECTIONS ON OPPOSITE SIDE OF FAN COIL.

### GENERAL DIMENSIONS

| MODEL     | A      | B      | C      | D      |
|-----------|--------|--------|--------|--------|
| 3*HBC     | 30-1/8 | 27-1/4 | 20-1/8 | 25-1/4 |
| 4*HBC(X)  | 36-1/8 | 33-1/4 | 26-1/8 | 31-1/4 |
| 5*HBC     | 40-1/8 | 37-1/4 | 30-1/8 | 35-1/4 |
| 6*HBC(X)  | 40-1/8 | 37-1/4 | 30-1/8 | 35-1/4 |
| 8*HBC(X)  | 46-1/8 | 43-1/4 | 36-1/8 | 41-1/4 |
| 10*HBC(X) | 52-1/8 | 49-1/4 | 42-1/8 | 47-1/4 |
| 12*HBC(X) | 59-1/8 | 56-1/4 | 49-1/8 | 54-1/4 |
| 13*HBC    | 59-1/8 | 56-1/4 | 49-1/8 | 54-1/4 |

(X)- Available with ECM motor

### NOTES:

- 1) ALL DIMENSIONS IN INCHES.
- 2) COIL CONNECTION TOLERANCE  $\pm 1/4"$ .
- 3) RIGHT HAND UNIT SHOWN, LEFT HAND MIRROR IMAGE.  
(HAND IS DETERMINED BY FACING THE BLOWER END)

### HBC HEADER LOCATIONS

| RIGHT HAND | X1 | Y1    | X2 | Y2 | X3  | Y3    | Y4    |
|------------|----|-------|----|----|-----|-------|-------|
| 3 ROW      | 3  | 4-1/4 | 5  | 4  | --- | ---   | ---   |
| 3/1 Split  | 3  | 4-1/4 | 5  | 4  | 8   | 3-1/2 | 5-1/2 |
| 3/2 Split  | 3  | 4-1/4 | 5  | 4  | 8   | 3-1/2 | 5-1/2 |
| 4 ROW      | 3  | 4-1/4 | 5  | 4  | --- | ---   | ---   |
| 4/1 Split  | 3  | 4-1/4 | 5  | 4  | 8   | 4     | 6     |

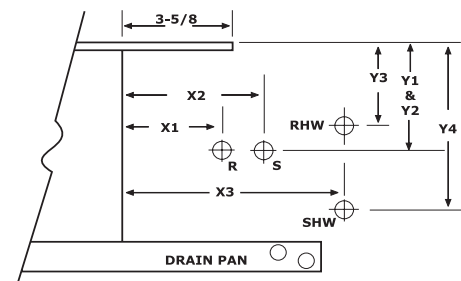
### HBC HEADER LOCATIONS

| LEFT HAND | X1 | Y1    | X2 | Y2 | X3  | Y3    | Y4    |
|-----------|----|-------|----|----|-----|-------|-------|
| 3 ROW     | 3  | 3-3/4 | 5  | 4  | --- | ---   | ---   |
| 3/1 Split | 3  | 3-3/4 | 5  | 4  | 8   | 2-1/2 | 4-1/2 |
| 3/2 Split | 3  | 3-3/4 | 5  | 4  | 8   | 2-1/2 | 4-1/2 |
| 4 ROW     | 3  | 3-3/4 | 5  | 4  | --- | ---   | ---   |
| 4/1 Split | 3  | 3-3/4 | 5  | 4  | 8   | 2     | 4     |

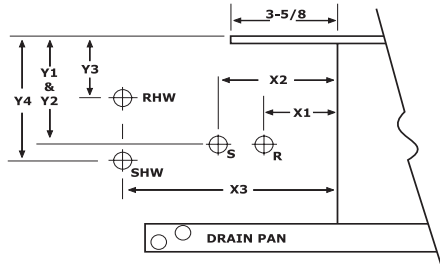
## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

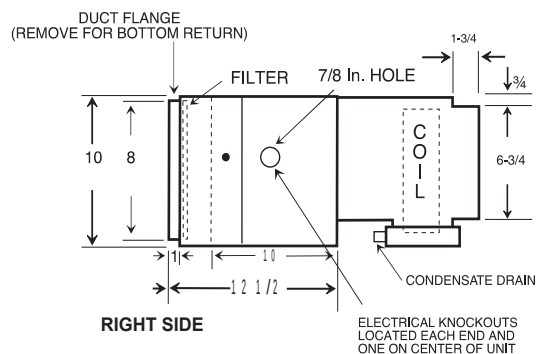
## \*PHBC PHYSICAL DATA



RIGHT HAND  
REAR VIEW



LEFT HAND  
REAR VIEW

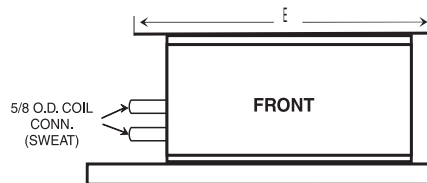
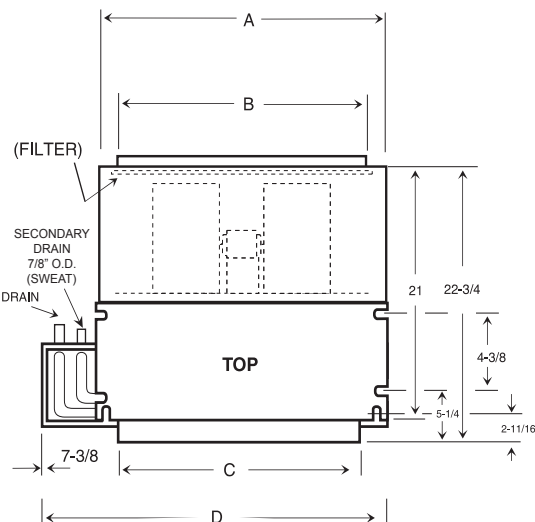
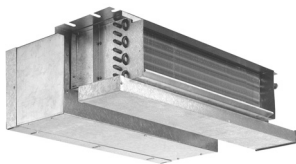


RIGHT SIDE

ELECTRICAL KNOCKOUTS  
LOCATED EACH END AND  
ONE ON CENTER OF UNIT

### NOTES:

1. Return plenums are insulated.
2. All plenums include throw-away filter.
3. Standard plenums are end return and can be field converted to bottom return.
4. Filter has separate access panel.



NOTE: RIGHT HAND MODEL SHOWN - LEFT HAND  
MODEL HAS DRAIN AND PIPING CONNECTIONS ON  
OPPOSITE SIDE OF FAN COIL.

| GENERAL DIMENSIONS |    |    |        |        |        |                     |                          |
|--------------------|----|----|--------|--------|--------|---------------------|--------------------------|
| MODEL              | A  | B  | C      | D      | E      | FILTER SIZE (INCL.) | CONNECTIONS PRIMARY O.D. |
| 3*PHBC             | 24 | 22 | 20-1/8 | 30-1/8 | 27-1/4 | 10 X 24             | 5/8"                     |
| 4*PHBC(X)          | 30 | 28 | 26-1/8 | 36-1/8 | 33-1/4 | 10 X 30             |                          |
| 5*PHBC             | 34 | 32 | 30-1/8 | 40-1/8 | 37-1/4 | 10 X 34             |                          |
| 6*PHBC(X)          | 34 | 32 | 30-1/8 | 40-1/8 | 37-1/4 | 10 X 34             |                          |
| 8*PHBC(X)          | 40 | 38 | 36-1/8 | 46-1/8 | 43-1/4 | 10 X 40             |                          |
| 10*PHBC(X)         | 46 | 44 | 42-1/8 | 52-1/8 | 49-1/4 | 10 X 46             |                          |
| 12*PHBX(X)         | 53 | 51 | 49-1/8 | 59-1/8 | 56-1/4 | 10 X 53             |                          |
| 13*PHBC            | 53 | 51 | 49-1/8 | 59-1/8 | 56-1/4 | 10 X 53             |                          |

(X)- Available with ECM motor

### NOTES:

- 1) ALL DIMENSIONS IN INCHES.
- 2) COIL CONNECTION TOLERANCE  $\pm 1/4"$ .
- 3) RIGHT HAND UNIT SHOWN, LEFT HAND MIRROR IMAGE.  
(HAND IS DETERMINED BY FACING THE BLOWER END)

| PHBC HEADER LOCATIONS |    |       |    |    |     |       |       |
|-----------------------|----|-------|----|----|-----|-------|-------|
| RIGHT HAND            | X1 | Y1    | X2 | Y2 | X3  | Y3    | Y4    |
| 3 ROW                 | 3  | 4-1/4 | 5  | 4  | --- | ---   | ---   |
| 3/1 Split             | 3  | 4-1/4 | 5  | 4  | 8   | 3-1/2 | 5-1/2 |
| 3/2 Split             | 3  | 4-1/4 | 5  | 4  | 8   | 3-1/2 | 5-1/2 |
| 4 ROW                 | 3  | 4-1/4 | 5  | 4  | --- | ---   | ---   |
| 4/1 Split             | 3  | 4-1/4 | 5  | 4  | 8   | 4     | 6     |

| PHBC HEADER LOCATIONS |    |       |    |    |     |       |       |
|-----------------------|----|-------|----|----|-----|-------|-------|
| LEFT HAND             | X1 | Y1    | X2 | Y2 | X3  | Y3    | Y4    |
| 3 ROW                 | 3  | 3-3/4 | 5  | 4  | --- | ---   | ---   |
| 3/1 Split             | 3  | 3-3/4 | 5  | 4  | 8   | 2-1/2 | 4-1/2 |
| 3/2 Split             | 3  | 3-3/4 | 5  | 4  | 8   | 2-1/2 | 4-1/2 |
| 4 ROW                 | 3  | 3-3/4 | 5  | 4  | --- | ---   | ---   |
| 4/1 Split             | 3  | 3-3/4 | 5  | 4  | 8   | 2     | 4     |

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## \*RHBC PHYSICAL DATA

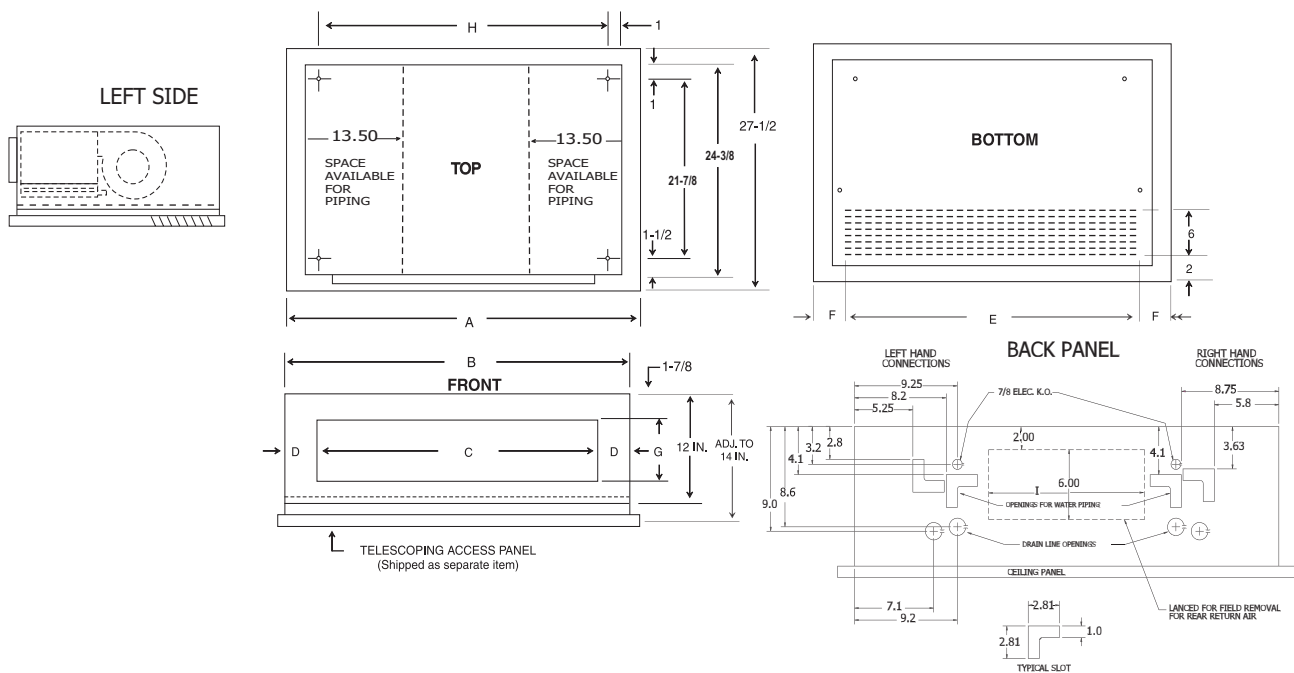


### NOTES:

1. Telescoping panel allows the cabinet to be installed to within 2 inches of the ceiling line. The adjustable panel frame ensures a flush installation.
2. Louvered access panel (bottom return) is standard. Specify solid panel if ducted rear return air is required.

### NOTES:

- 1) ALL DIMENSIONS IN INCHES.
- 2) COIL CONNECTION TOLERANCE  $\pm 1/4"$ .
- 3) RIGHT HAND UNIT SHOWN, LEFT HAND MIRROR IMAGE. (HAND IS DETERMINED BY FACING THE BLOWER END)



| GENERAL DIMENSIONS |    |        |    |       |        |        |       |    |    |                                   |                                |                    |
|--------------------|----|--------|----|-------|--------|--------|-------|----|----|-----------------------------------|--------------------------------|--------------------|
| MODEL              | A  | B      | C  | D     | E      | F      | G     | H  | I  | TELESCOPING LOUVERED ACCESS PANEL | TELESCOPING SOLID ACCESS PANEL | FILTER SIZE (INCL) |
| 3*RHBC             | 41 | 38-1/8 | 29 | 4-1/2 | 36-5/8 | 2-3/16 | 5-1/2 | 36 | 14 | 968-1                             | 968-1S                         | 10 X 37            |
| 4*RHBC(X)          | 47 | 44-1/8 | 35 | 4-1/2 | 42     | 2-1/2  | 5-1/2 | 42 | 20 | 968-2                             | 968-2S                         | 10 X 43            |
| 5*RHBC             | 51 | 48-1/8 | 39 | 4-1/2 | 47-1/4 | 1-7/8  | 5-1/2 | 46 | 24 | 968-3                             | 968-3S                         | 10 X 47.5          |
| 6*RHBC(X)          | 51 | 48-1/8 | 39 | 4-1/2 | 47-1/4 | 1-7/8  | 5-1/2 | 46 | 24 | 968-3                             | 968-3S                         | 10 X 47.5          |
| 8*RHBC(X)          | 57 | 54-1/8 | 45 | 4-1/2 | 52-1/2 | 2-1/4  | 5-1/2 | 52 | 30 | 968-4                             | 968-4S                         | 10 X 53            |
| 10*RHBC(X)         | 63 | 60-1/8 | 51 | 4-1/2 | 57-7/8 | 2-9/16 | 5-1/2 | 58 | 36 | 968-5                             | 968-5S                         | 10 X 59            |
| 12*RHBC(X)         | 70 | 67-1/8 | 58 | 4-1/2 | 63-1/8 | 3-7/16 | 5-1/2 | 65 | 42 | 968-6                             | 968-6s                         | 10 x 65            |
| 13*RHBC            | 70 | 67-1/8 | 58 | 4-1/2 | 63-1/8 | 3-7/16 | 5-1/2 | 65 | 42 | 968-6                             | 968-6S                         | 10 X 65            |

(X)- Available with ECM motor

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# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# COOLING CAPACITIES

**\*HBC-3 (3-Row Coil)** All capacities are based on nominal CFM.

| PSC MOTOR | COOLING CAPACITY (1000 BTUH) |             |                     |                    |                       |      |      |                       |      |     |                     |                    |                       |      |      |                       |      |  |
|-----------|------------------------------|-------------|---------------------|--------------------|-----------------------|------|------|-----------------------|------|-----|---------------------|--------------------|-----------------------|------|------|-----------------------|------|--|
|           | MODEL                        | NOMINAL CFM | 45°F ENTERING WATER |                    |                       |      |      |                       |      |     | 42°F ENTERING WATER |                    |                       |      |      |                       |      |  |
|           |                              |             | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |     | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |  |
|           |                              |             |                     |                    | TH                    | SH   | TR   | TH                    | SH   | TR  |                     |                    | TH                    | SH   | TR   |                       |      |  |
|           |                              |             |                     |                    |                       |      |      |                       |      |     |                     |                    |                       |      |      |                       |      |  |
| 3*HBC-3   | 300                          | 3.0         | 12.6                | 10.8               | 7.4                   | 7.2  | 8.3  | 6.5                   | 5.5  | 3.0 | 12.6                | 11.8               | 7.8                   | 7.9  | 9.0  | 6.8                   | 6.0  |  |
|           |                              | 2.5         | 9.0                 | 10.4               | 7.3                   | 8.3  | 8.0  | 6.3                   | 6.4  | 2.5 | 9.0                 | 11.4               | 7.6                   | 9.1  | 8.7  | 6.6                   | 6.9  |  |
|           |                              | 2.0         | 6.0                 | 9.9                | 7.1                   | 9.9  | 7.5  | 6.2                   | 7.5  | 2.0 | 6.0                 | 10.8               | 7.4                   | 10.8 | 8.2  | 6.4                   | 8.2  |  |
|           |                              | 1.5         | 3.6                 | 9.0                | 6.7                   | 12.1 | 6.9  | 5.9                   | 9.2  | 1.5 | 3.6                 | 9.9                | 7.1                   | 13.1 | 7.5  | 6.2                   | 10.0 |  |
| 4*HBC-3   | 400                          | 3.0         | 14.7                | 13.8               | 9.6                   | 9.2  | 10.6 | 8.4                   | 7.0  | 3.0 | 14.7                | 15.1               | 10.2                  | 10.1 | 11.5 | 8.8                   | 7.7  |  |
|           |                              | 2.5         | 10.7                | 13.2               | 9.4                   | 10.5 | 10.0 | 8.2                   | 8.0  | 2.5 | 10.7                | 14.3               | 9.8                   | 11.5 | 11.0 | 8.6                   | 8.8  |  |
|           |                              | 2.0         | 7.2                 | 12.3               | 9.1                   | 12.3 | 9.4  | 8.0                   | 9.4  | 2.0 | 7.2                 | 13.4               | 9.5                   | 13.4 | 10.2 | 8.3                   | 10.2 |  |
|           |                              | 1.5         | 4.4                 | 10.5               | 8.5                   | 14.4 | 8.3  | 7.5                   | 11.0 | 1.5 | 4.4                 | 11.8               | 8.9                   | 15.7 | 9.0  | 7.8                   | 12.0 |  |
| 5*HBC-3   | 500                          | 6.0         | 13.8                | 17.9               | 12.2                  | 6.0  | 13.7 | 10.7                  | 4.6  | 6.0 | 13.8                | 19.6               | 12.9                  | 6.5  | 14.9 | 11.1                  | 5.0  |  |
|           |                              | 5.0         | 9.8                 | 17.3               | 12.0                  | 6.9  | 13.2 | 10.5                  | 5.3  | 5.0 | 9.8                 | 18.9               | 12.6                  | 7.5  | 14.4 | 10.9                  | 5.8  |  |
|           |                              | 4.0         | 6.5                 | 16.5               | 11.7                  | 8.2  | 12.6 | 10.2                  | 6.3  | 4.0 | 6.5                 | 17.9               | 12.3                  | 9.0  | 13.7 | 10.7                  | 6.9  |  |
|           |                              | 3.0         | 3.8                 | 15.0               | 11.3                  | 10.0 | 11.5 | 9.8                   | 7.7  | 3.0 | 3.8                 | 16.4               | 11.7                  | 10.9 | 12.5 | 10.2                  | 8.3  |  |
| 6*HBC-3   | 600                          | 6.0         | 13.8                | 20.6               | 14.1                  | 6.9  | 15.7 | 12.3                  | 5.2  | 6.0 | 13.8                | 22.4               | 14.8                  | 7.5  | 17.1 | 12.9                  | 5.7  |  |
|           |                              | 5.0         | 9.8                 | 19.8               | 13.8                  | 7.9  | 15.1 | 12.1                  | 6.0  | 5.0 | 9.8                 | 21.6               | 14.5                  | 8.6  | 16.5 | 12.6                  | 6.6  |  |
|           |                              | 4.0         | 6.5                 | 18.7               | 13.4                  | 9.4  | 14.3 | 11.8                  | 7.2  | 4.0 | 6.5                 | 20.4               | 14.1                  | 10.2 | 15.6 | 12.3                  | 7.8  |  |
|           |                              | 3.0         | 3.8                 | 17.0               | 12.8                  | 11.3 | 13.0 | 11.2                  | 8.6  | 3.0 | 3.8                 | 18.5               | 13.4                  | 12.3 | 14.1 | 11.7                  | 9.4  |  |
| 8*HBC-3   | 800                          | 6.5         | 13.7                | 24.7               | 17.6                  | 7.6  | 18.9 | 15.5                  | 5.8  | 6.5 | 13.7                | 27.0               | 18.5                  | 8.3  | 20.6 | 16.1                  | 6.3  |  |
|           |                              | 5.5         | 10.0                | 23.7               | 17.3                  | 8.6  | 18.1 | 15.1                  | 6.6  | 5.5 | 10.0                | 25.8               | 18.1                  | 9.4  | 19.7 | 15.8                  | 7.2  |  |
|           |                              | 4.5         | 6.9                 | 22.3               | 16.8                  | 9.9  | 17.0 | 14.7                  | 7.6  | 4.5 | 6.9                 | 24.3               | 17.5                  | 10.8 | 18.6 | 15.3                  | 8.3  |  |
|           |                              | 3.5         | 4.3                 | 20.1               | 16.0                  | 11.5 | 15.4 | 14.1                  | 8.8  | 3.5 | 4.3                 | 21.9               | 16.6                  | 12.5 | 16.7 | 14.6                  | 9.6  |  |
| 10*HBC-3  | 1000                         | 8.0         | 17.9                | 30.3               | 21.7                  | 7.6  | 23.2 | 19.0                  | 5.8  | 8.0 | 17.9                | 33.0               | 22.7                  | 8.3  | 25.2 | 19.8                  | 6.3  |  |
|           |                              | 7.0         | 13.7                | 29.2               | 21.3                  | 8.4  | 22.3 | 18.7                  | 6.4  | 7.0 | 13.7                | 31.9               | 22.3                  | 9.1  | 24.3 | 19.4                  | 7.0  |  |
|           |                              | 6.0         | 10.1                | 27.9               | 20.8                  | 9.3  | 21.3 | 18.3                  | 7.1  | 6.0 | 10.1                | 30.4               | 21.7                  | 10.1 | 23.2 | 19.0                  | 7.7  |  |
|           |                              | 5.0         | 7.0                 | 26.2               | 20.1                  | 10.5 | 20.0 | 17.8                  | 8.0  | 5.0 | 7.0                 | 28.5               | 21.0                  | 11.4 | 21.8 | 18.5                  | 8.7  |  |
| 13*HBC-3  | 1300                         | 8.0         | 18.2                | 36.0               | 25.4                  | 8.8  | 26.7 | 22.3                  | 6.7  | 8.0 | 18.2                | 38.2               | 26.6                  | 9.5  | 29.1 | 23.2                  | 7.3  |  |
|           |                              | 7.0         | 14.1                | 33.6               | 24.9                  | 9.6  | 25.7 | 21.9                  | 7.3  | 7.0 | 14.1                | 36.7               | 26.0                  | 10.5 | 28.0 | 22.8                  | 8.0  |  |
|           |                              | 6.0         | 10.5                | 31.9               | 24.3                  | 10.6 | 24.4 | 21.4                  | 8.1  | 6.0 | 10.5                | 34.8               | 25.3                  | 11.6 | 26.6 | 22.3                  | 8.9  |  |
|           |                              | 5.0         | 7.4                 | 29.7               | 23.5                  | 11.9 | 22.7 | 20.8                  | 9.1  | 5.0 | 7.4                 | 32.4               | 24.4                  | 12.9 | 24.7 | 21.5                  | 9.9  |  |

**\*HBC-4 (4-Row Coil)** All capacities are based on nominal CFM.

| PSC MOTOR | COOLING CAPACITY (1000 BTUH) |                |                     |                    |                       |      |      |                       |      |     |                     |                    |                       |      |      |                       |      |    |
|-----------|------------------------------|----------------|---------------------|--------------------|-----------------------|------|------|-----------------------|------|-----|---------------------|--------------------|-----------------------|------|------|-----------------------|------|----|
|           | MODEL                        | NOMINAL<br>CFM | 45°F ENTERING WATER |                    |                       |      |      |                       |      |     | 42°F ENTERING WATER |                    |                       |      |      |                       |      |    |
|           |                              |                | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |     | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |    |
|           |                              |                |                     |                    | TH                    | SH   | TR   | TH                    | SH   | TR  |                     |                    | TH                    | SH   | TR   | TH                    | SH   | TR |
|           |                              |                |                     |                    | TH                    | SH   | TR   | TH                    | SH   | TR  |                     |                    | TH                    | SH   | TR   | TH                    | SH   | TR |
| 3*HBC-4   | 300                          | 2.5            | 11.4                | 11.5               | 7.8                   | 9.2  | 8.8  | 6.8                   | 7.0  | 2.5 | 11.4                | 12.5               | 8.2                   | 10.0 | 9.6  | 7.1                   | 7.7  |    |
|           |                              | 2.0            | 7.6                 | 10.9               | 7.6                   | 10.9 | 8.3  | 6.6                   | 8.3  | 2.0 | 7.6                 | 11.9               | 8.0                   | 11.9 | 9.1  | 6.9                   | 9.1  |    |
|           |                              | 1.5            | 4.5                 | 10.0               | 7.2                   | 13.3 | 7.6  | 6.3                   | 10.1 | 1.5 | 4.5                 | 10.9               | 7.6                   | 14.5 | 8.3  | 6.6                   | 11.1 |    |
|           |                              | 1.0            | 2.2                 | 8.3                | 6.6                   | 16.5 | 6.3  | 5.8                   | 12.6 | 1.0 | 2.2                 | 9.0                | 6.9                   | 18.0 | 6.9  | 6.1                   | 13.7 |    |
| 4*HBC-4   | 400                          | 2.5            | 13.2                | 14.5               | 10.1                  | 11.6 | 11.1 | 8.8                   | 8.9  | 25  | 13.2                | 15.8               | 10.6                  | 12.7 | 12.1 | 9.2                   | 9.7  |    |
|           |                              | 2.0            | 8.9                 | 13.5               | 9.7                   | 13.5 | 10.3 | 8.5                   | 10.3 | 2.0 | 8.9                 | 14.7               | 10.2                  | 14.7 | 11.3 | 8.9                   | 11.3 |    |
|           |                              | 1.5            | 5.3                 | 11.9               | 9.1                   | 15.9 | 9.1  | 8.0                   | 12.2 | 1.5 | 5.3                 | 13.0               | 9.6                   | 17.4 | 9.9  | 8.4                   | 13.3 |    |
|           |                              | 1.2            | 3.6                 | 10.5               | 8.6                   | 17.5 | 8.0  | 7.6                   | 17.1 | 1.2 | 3.6                 | 11.5               | 9.0                   | 19.1 | 8.8  | 7.9                   | 14.6 |    |
| 5*HBC-4   | 500                          | 3.5            | 6.5                 | 17.5               | 12.4                  | 10.0 | 13.4 | 10.8                  | 7.7  | 3.5 | 6.5                 | 19.1               | 13.3                  | 10.9 | 14.6 | 11.3                  | 8.3  |    |
|           |                              | 3.0            | 4.9                 | 16.6               | 12.0                  | 11.1 | 12.7 | 10.5                  | 8.5  | 3.0 | 4.9                 | 18.1               | 12.6                  | 12.1 | 13.8 | 11.0                  | 9.2  |    |
|           |                              | 2.5            | 3.5                 | 15.4               | 11.6                  | 12.3 | 11.8 | 10.2                  | 9.4  | 2.5 | 3.5                 | 16.8               | 12.1                  | 13.5 | 12.9 | 10.6                  | 10.3 |    |
|           |                              | 2.0            | 2.3                 | 13.9               | 11.0                  | 13.9 | 10.6 | 9.7                   | 10.6 | 2.0 | 2.3                 | 15.2               | 11.5                  | 15.2 | 11.6 | 10.1                  | 11.6 |    |
| 6*HBC-4   | 600                          | 5.0            | 12.6                | 21.9               | 15.1                  | 8.8  | 16.8 | 13.1                  | 6.7  | 5.0 | 12.6                | 23.9               | 15.8                  | 9.6  | 18.3 | 13.7                  | 7.3  |    |
|           |                              | 4.0            | 8.3                 | 20.8               | 14.6                  | 10.4 | 15.9 | 12.7                  | 7.9  | 4.0 | 8.3                 | 22.6               | 15.3                  | 11.3 | 17.3 | 13.3                  | 8.6  |    |
|           |                              | 3.0            | 4.9                 | 18.8               | 13.9                  | 12.5 | 14.4 | 12.2                  | 9.6  | 3.0 | 4.9                 | 20.5               | 14.5                  | 13.7 | 15.7 | 12.7                  | 10.4 |    |
|           |                              | 2.0            | 2.3                 | 15.6               | 12.7                  | 15.6 | 11.9 | 11.2                  | 11.9 | 2.0 | 2.3                 | 17.0               | 13.2                  | 17.0 | 13.0 | 11.6                  | 13.0 |    |
| 8*HBC-4   | 800                          | 6.0            | 14.7                | 27.0               | 19.1                  | 9.0  | 20.6 | 16.7                  | 6.9  | 6.0 | 14.7                | 29.4               | 20.0                  | 9.8  | 22.5 | 17.4                  | 7.5  |    |
|           |                              | 5.0            | 10.7                | 25.7               | 18.6                  | 10.3 | 19.6 | 16.3                  | 7.8  | 5.0 | 10.7                | 28.0               | 19.5                  | 11.2 | 21.4 | 17.0                  | 8.6  |    |
|           |                              | 4.0            | 7.2                 | 23.7               | 17.8                  | 11.9 | 18.1 | 15.7                  | 7.2  | 4.0 | 7.2                 | 25.9               | 18.6                  | 12.9 | 19.7 | 16.3                  | 9.9  |    |
|           |                              | 3.0            | 4.4                 | 20.8               | 16.8                  | 13.9 | 15.9 | 14.8                  | 10.6 | 3.0 | 4.4                 | 22.7               | 17.5                  | 15.1 | 17.3 | 15.4                  | 11.5 |    |
| 10*HBC-4  | 1000                         | 7.0            | 14.1                | 32.6               | 23.3                  | 9.3  | 24.9 | 20.4                  | 7.1  | 7.0 | 14.1                | 35.5               | 24.4                  | 10.2 | 27.1 | 21.3                  | 7.8  |    |
|           |                              | 6.0            | 10.5                | 31.1               | 22.8                  | 10.4 | 23.8 | 19.9                  | 7.9  | 6.0 | 10.5                | 33.9               | 23.8                  | 11.3 | 25.9 | 20.8                  | 8.6  |    |
|           |                              | 5.0            | 7.4                 | 29.2               | 22.0                  | 11.7 | 22.3 | 19.4                  | 8.9  | 5.0 | 7.4                 | 31.8               | 23.0                  | 12.7 | 24.3 | 20.1                  | 9.7  |    |
|           |                              | 4.0            | 4.9                 | 26.4               | 21.0                  | 13.2 | 20.2 | 18.6                  | 10.1 | 4.0 | 4.9                 | 28.8               | 21.9                  | 14.4 | 22.0 | 19.3                  | 11.0 |    |
| 13*HBC-4  | 1300                         | 7.0            | 16.1                | 37.5               | 27.3                  | 10.7 | 28.7 | 23.9                  | 8.2  | 7.0 | 16.1                | 40.9               | 28.6                  | 11.7 | 31.2 | 24.9                  | 8.9  |    |
|           |                              | 6.0            | 12.0                | 35.7               | 26.6                  | 11.9 | 27.2 | 23.4                  | 9.1  | 6.0 | 12.0                | 38.9               | 27.8                  | 13.0 | 29.7 | 24.3                  | 9.9  |    |
|           |                              | 5.0            | 8.5                 | 33.1               | 25.7                  | 13.3 | 25.3 | 22.6                  | 10.1 | 5.0 | 8.5                 | 36.1               | 26.8                  | 14.4 | 27.6 | 23.5                  | 11.0 |    |
|           |                              | 4.0            | 5.6                 | 29.7               | 24.4                  | 14.8 | 24.6 | 24.6                  | 12.3 | 4.0 | 5.6                 | 32.3               | 25.4                  | 16.2 | 24.7 | 22.4                  | 12.4 |    |

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# COOLING CAPACITIES

**\*HBC-31 (3-Row Coil)** All capacities are based on nominal CFM.

| PSC MOTOR | COOLING CAPACITY (1000 BTUH) |             |                     |                    |                       |      |      |                       |      |     |      |                     |                       |      |      |                       |      |  |  |  |
|-----------|------------------------------|-------------|---------------------|--------------------|-----------------------|------|------|-----------------------|------|-----|------|---------------------|-----------------------|------|------|-----------------------|------|--|--|--|
|           | MODEL                        | NOMINAL CFM | 45°F ENTERING WATER |                    |                       |      |      |                       |      |     |      | 42°F ENTERING WATER |                       |      |      |                       |      |  |  |  |
|           |                              |             | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |     | GPM  | P.D.<br>(FT. WTR.)  | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |  |  |  |
|           |                              |             |                     |                    | TH                    | SH   | TR   | TH                    | SH   | TR  |      |                     | TH                    | SH   | TR   |                       |      |  |  |  |
|           |                              |             |                     |                    |                       |      |      |                       |      |     |      |                     |                       |      |      |                       |      |  |  |  |
| 3"HBC-31  | 300                          | 3.0         | 12.6                | 10.4               | 7.1                   | 6.9  | 7.9  | 6.2                   | 5..  | 3.0 | 12.6 | 11.3                | 7.5                   | 7.5  | 8.6  | 6.5                   | 5.8  |  |  |  |
|           |                              | 2.5         | 9.0                 | 10.0               | 7.0                   | 8.0  | 7.6  | 6.1                   | 6.1  | 2.5 | 9.0  | 10.9                | 7.3                   | 8.7  | 8.3  | 6.3                   | 6.6  |  |  |  |
|           |                              | 2.0         | 6.0                 | 9.4                | 6.8                   | 9.4  | 7.2  | 5.9                   | 7.2  | 2.0 | 6.0  | 10.                 | 7.1                   | 10.3 | 7.9  | 6.2                   | 7.9  |  |  |  |
|           |                              | 1.5         | 3.6                 | 8.6                | 6.5                   | 11.5 | 6.6  | 5.7                   | 8.8  | 1.5 | 3.6  | 9.4                 | 6.7                   | 12.6 | 1.2  | 5.9                   | 9.6  |  |  |  |
| 4"HBC-31  | 400                          | 3.0         | 14.7                | 13.2               | 9.2                   | 8.8  | 10.1 | 8.0                   | 6.7  | 3.0 | 14.7 | 14.4                | 9.7                   | 9.6  | 11.0 | 8.4                   | 7.3  |  |  |  |
|           |                              | 2.5         | 10.7                | 12.6               | 9.0                   | 10.0 | 9.6  | 7.9                   | 7.7  | 2.5 | 10.7 | 13.7                | 9.4                   | 11.0 | 10.5 | 8.2                   | 8.4  |  |  |  |
|           |                              | 2.0         | 7.2                 | 11.7               | 8.7                   | 11.7 | 8.9  | 7.6                   | 8.9  | 2.0 | 7.2  | 12.8                | 9.1                   | 12.8 | 9.7  | 7.9                   | 9.7  |  |  |  |
|           |                              | 1.5         | 4.4                 | 10.3               | 8.2                   | 13.8 | 7.9  | 7.2                   | 10.5 | 1.5 | 4.4  | 11.3                | 8.5                   | 15.0 | 8.6  | 7.5                   | 11.5 |  |  |  |
| 5"HBC-31  | 500                          | 6.0         | 13.8                | 17.1               | 11.7                  | 5.7  | 13.0 | 10.2                  | 4.3  | 6.0 | 13.8 | 18.6                | 12.3                  | 6.2  | 14.2 | 10.6                  | 4.7  |  |  |  |
|           |                              | 5.0         | 9.8                 | 16.5               | 11.5                  | 6.6  | 12.6 | 10.0                  | 5.0  | 5.0 | 9.8  | 18.0                | 12.0                  | 7.2  | 13.7 | 10.4                  | 5.5  |  |  |  |
|           |                              | 4.0         | 6.5                 | 15.7               | 11.2                  | 7.8  | 12.0 | 9.8                   | 6.0  | 4.0 | 6.5  | 17.1                | 11.7                  | 8.5  | 13.1 | 10.2                  | 6.5  |  |  |  |
|           |                              | 3.0         | 3.8                 | 14.3               | 10.7                  | 9.5  | 10.9 | 9.4                   | 7.3  | 3.0 | 3.8  | 15.6                | 11.1                  | 10.4 | 11.9 | 9.7                   | .0   |  |  |  |
| 6"HBC-31  | 600                          | 6.0         | 13.8                | 19.5               | 13.4                  | 6.5  | 14.9 | 11.7                  | 5.0  | 6.0 | 13.8 | 21.3                | 14.1                  | 7.1  | 16.2 | 12.3                  | 5.4  |  |  |  |
|           |                              | 5.0         | 9.8                 | 18.8               | 13.2                  | 7.5  | 14.3 | 11.5                  | 5.7  | 5.0 | 9.8  | 20.5                | 13.8                  | 8.2  | 15.6 | 12.0                  | 6.2  |  |  |  |
|           |                              | 4.0         | 6.5                 | 17.8               | 12.8                  | 8.9  | 13.6 | 11.2                  | 6.8  | 4.0 | 6.5  | 19.4                | 13.4                  | 9.7  | 14.8 | 11.7                  | 7.4  |  |  |  |
|           |                              | 3.0         | 3.8                 | 16.1               | 12.2                  | 10.7 | 12.3 | 10.7                  | 8.2  | 3.0 | 3.8  | 17.5                | 12.7                  | 11.7 | 13.4 | 11.2                  | 8.9  |  |  |  |
| 8"HBC-31  | 800                          | 6.5         | 13.7                | 23.4               | 16.8                  | 7.2  | 17.9 | 14.7                  | 5.5  | 6.5 | 13.7 | 25.5                | 17.6                  | 7.9  | 19.5 | 15.3                  | 6.0  |  |  |  |
|           |                              | 5.5         | 10.0                | 22.4               | 16.4                  | 8.2  | 17.1 | 14.4                  | 6.2  | 5.5 | 10.0 | 24.5                | 17.2                  | 8.9  | 18.7 | 15.0                  | 6.8  |  |  |  |
|           |                              | 4.5         | 6.9                 | 21.1               | 15.9                  | 9.4  | 16.1 | 14.0                  | 7.2  | 4.5 | 6.9  | 23.0                | 16.6                  | 10.2 | 17.6 | 14.6                  | 7.8  |  |  |  |
|           |                              | 3.5         | 4.3                 | 29.1               | 15.2                  | 10.9 | 14.6 | 13.4                  | 8.3  | 3.5 | 4.3  | 20.8                | 15.8                  | 11.9 | 15.9 | 13.9                  | 9.1  |  |  |  |
| 10"HBC-31 | 1000                         | 8.0         | 17.9                | 28.7               | 20.6                  | 7.2  | 21.9 | 18.1                  | 5.5  | 8.0 | 17.9 | 31.3                | 21.6                  | 7.8  | 23.9 | 18.8                  | 6.0  |  |  |  |
|           |                              | 7.0         | 13.7                | 27.7               | 20.2                  | 7.9  | 21.1 | 17.8                  | 6.0  | 7.0 | 13.7 | 30.2                | 21.1                  | 8.6  | 23.0 | 15.8                  | 6.6  |  |  |  |
|           |                              | 6.0         | 10.1                | 26.4               | 19.8                  | 8.8  | 20.2 | 17.4                  | 6.7  | 6.0 | 10.1 | 28.8                | 20.6                  | 9.6  | 22.0 | 18.1                  | 7.3  |  |  |  |
|           |                              | 5.0         | 7.0                 | 24.8               | 19.2                  | 9.9  | 18.9 | 16.9                  | 7.6  | 5.0 | 7.0  | 27.0                | 20.0                  | 10.8 | 20.6 | 17.6                  | 8.2  |  |  |  |
| 13"HBC-31 | 1300                         | 8.0         | 18.2                | 33.1               | 24.4                  | 8.3  | 25.3 | 21.2                  | 6.3  | 8.0 | 18.2 | 36.1                | 25.3                  | 9.0  | 27.6 | 22.1                  | 6.9  |  |  |  |
|           |                              | 7.0         | 14.1                | 31.8               | 23.7                  | 9.1  | 24.3 | 20.9                  | 6.9  | 7.0 | 14.1 | 34.7                | 24.7                  | 9.9  | 26.5 | 21.7                  | 7.6  |  |  |  |
|           |                              | 6.0         | 10.5                | 30.2               | 23.1                  | 10.1 | 23.1 | 20.4                  | 7.7  | 6.0 | 10.5 | 33.0                | 24.1                  | 11.0 | 25.2 | 21.2                  | 8.4  |  |  |  |
|           |                              | 5.0         | 7.4                 | 28.1               | 22.3                  | 11.2 | 21.5 | 19.8                  | 8.6  | 5.0 | 7.4  | 30.6                | 23.2                  | 12.3 | 23.4 | 20.5                  | 9.4  |  |  |  |

**\*HBC-32 (3-Row Coil)** All capacities are based on nominal CFM.

| PSC MOTOR | COOLING CAPACITY (1000 BTUH) |                |                     |                    |                       |      |      |                       |     |     |      |                     |                       |      |      |                       |      |    |  |  |
|-----------|------------------------------|----------------|---------------------|--------------------|-----------------------|------|------|-----------------------|-----|-----|------|---------------------|-----------------------|------|------|-----------------------|------|----|--|--|
|           | MODEL                        | NOMINAL<br>CFM | 45°F ENTERING WATER |                    |                       |      |      |                       |     |     |      | 42°F ENTERING WATER |                       |      |      |                       |      |    |  |  |
|           |                              |                | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |     |     | GPM  | P.D.<br>(FT. WTR.)  | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |    |  |  |
|           |                              |                |                     |                    | TH                    | SH   | TR   | TH                    | SH  | TR  |      |                     | TH                    | SH   | TR   | TH                    | SH   | TR |  |  |
|           |                              |                |                     |                    |                       |      |      |                       |     |     |      |                     |                       |      |      |                       |      |    |  |  |
|           |                              |                |                     |                    |                       |      |      |                       |     |     |      |                     |                       |      |      |                       |      |    |  |  |
| 3*HBC-32  | 300                          | 3.0            | 12.6                | 9.6                | 6.5                   | 6.4  | 7.3  | 5.7                   | 4.9 | 3.0 | 12.6 | 10.5                | 6.9                   | 7.0  | 8.0  | 6.0                   | 5.3  |    |  |  |
|           |                              | 2.5            | 9.0                 | 9.3                | 6.4                   | 7.4  | 7.1  | 5.6                   | 5.7 | 2.5 | 9.0  | 10.1                | 6.7                   | 8.1  | 7.7  | 5.8                   | 6.2  |    |  |  |
|           |                              | 2.0            | 6.0                 | 8.8                | 6.2                   | 8.8  | 6.7  | 5.4                   | 6.7 | 2.0 | 6.0  | 9.6                 | 6.5                   | 9.6  | 7.3  | 5.7                   | 7.3  |    |  |  |
|           |                              | 1.5            | 3.6                 | 8.0                | 5.9                   | 10.7 | 6.1  | 5.2                   | 8.2 | 1.5 | 3.6  | 8.7                 | 6.2                   | 11.7 | 6.7  | 5.4                   | 8.9  |    |  |  |
| 4*HBC-32  | 400                          | 3.0            | 14.7                | 12.2               | 8.5                   | 8.2  | 9.4  | 7.4                   | 6.2 | 3.0 | 14.7 | 13.4                | 8.9                   | 8.9  | 10.2 | 7.7                   | 6.8  |    |  |  |
|           |                              | 2.5            | 10.7                | 11.7               | 8.2                   | 9.3  | 8.9  | 7.2                   | 7.1 | 2.5 | 10.7 | 12.7                | 8.6                   | 10.2 | 9.7  | 7.5                   | 7.8  |    |  |  |
|           |                              | 2.0            | 7.2                 | 10.9               | 8.0                   | 10.9 | 8.3  | 7.0                   | 8.3 | 2.0 | 7.2  | 11.9                | 8.3                   | 11.9 | 9.1  | 7.3                   | 9.1  |    |  |  |
|           |                              | 1.5            | 4.4                 | 9.6                | 7.5                   | 12.8 | 7.3  | 6.6                   | 9.8 | 1.5 | 4.4  | 10.5                | 7.8                   | 14.0 | 8.0  | 6.9                   | 10.7 |    |  |  |
| 5*HBC-32  | 500                          | 6.0            | 13.8                | 15.9               | 10.7                  | 5.3  | 12.1 | 9.4                   | 4.0 | 6.0 | 13.8 | 17.3                | 11.3                  | 5.8  | 13.2 | 9.8                   | 4.4  |    |  |  |
|           |                              | 5.0            | 9.8                 | 15.3               | 10.5                  | 6.1  | 11.7 | 9.2                   | 4.7 | 5.0 | 9.8  | 16.7                | 11.0                  | 6.7  | 12.8 | 9.6                   | 5.1  |    |  |  |
|           |                              | 4.0            | 6.5                 | 14.6               | 10.2                  | 7.3  | 11.1 | 9.0                   | 5.6 | 4.0 | 6.5  | 15.9                | 10.7                  | 7.9  | 12.1 | 9.4                   | 6.1  |    |  |  |
|           |                              | 3.0            | 3.8                 | 13.3               | 9.8                   | 8.9  | 10.2 | 8.6                   | 6.8 | 3.0 | 3.8  | 14.5                | 10.2                  | 9.7  | 11.1 | 8.9                   | 7.4  |    |  |  |
| 6*HBC-32  | 600                          | 6.0            | 13.8                | 18.2               | 12.3                  | 6.1  | 13.9 | 10.7                  | 5.1 | 6.0 | 13.8 | 19.8                | 12.9                  | 6.6  | 15.2 | 11.2                  | 5.1  |    |  |  |
|           |                              | 5.0            | 9.8                 | 17.5               | 12.0                  | 7.0  | 13.4 | 10.5                  | 5.8 | 5.0 | 9.8  | 19.1                | 12.6                  | 7.6  | 14.6 | 11.0                  | 5.8  |    |  |  |
|           |                              | 4.0            | 6.5                 | 16.6               | 11.7                  | 8.3  | 12.6 | 10.3                  | 6.7 | 4.0 | 6.5  | 18.1                | 12.2                  | 9.0  | 13.8 | 10.7                  | 6.9  |    |  |  |
|           |                              | 3.0            | 3.8                 | 15.0               | 11.1                  | 10.0 | 11.5 | 9.8                   | 7.8 | 3.0 | 3.8  | 16.4                | 11.6                  | 10.9 | 12.5 | 10.2                  | 8.3  |    |  |  |
| 8*HBC-32  | 800                          | 6.5            | 13.7                | 21.9               | 15.3                  | 7.2  | 16.7 | 13.4                  | 5.1 | 6.5 | 13.7 | 23.8                | 16.0                  | 7.3  | 18.2 | 14.0                  | 5.6  |    |  |  |
|           |                              | 5.5            | 10.0                | 20.9               | 14.9                  | 7.6  | 16.0 | 13.1                  | 5.8 | 5.5 | 10.0 | 22.8                | 15.6                  | 8.3  | 17.4 | 13.7                  | 6.3  |    |  |  |
|           |                              | 4.5            | 6.9                 | 19.7               | 14.5                  | 8.8  | 15.1 | 12.8                  | 6.7 | 4.5 | 6.9  | 21.5                | 15.1                  | 9.6  | 16.4 | 13.3                  | 7.3  |    |  |  |
|           |                              | 3.5            | 4.3                 | 17.8               | 13.8                  | 10.2 | 13.6 | 12.2                  | 7.8 | 3.5 | 4.3  | 19.4                | 14.4                  | 11.1 | 14.8 | 12.7                  | 8.5  |    |  |  |
| 10*HBC-32 | 1000                         | 8.0            | 17.9                | 26.8               | 18.7                  | 6.7  | 20.5 | 16.4                  | 5.1 | 8.0 | 17.9 | 29.2                | 19.6                  | 7.3  | 22.3 | 17.1                  | 5.6  |    |  |  |
|           |                              | 7.0            | 13.7                | 25.8               | 18.3                  | 7.4  | 19.7 | 16.1                  | 5.8 | 7.0 | 13.7 | 28.2                | 19.2                  | 8.0  | 21.5 | 16.8                  | 6.1  |    |  |  |
|           |                              | 6.0            | 10.1                | 24.7               | 17.9                  | 8.2  | 18.8 | 15.8                  | 6.7 | 6.0 | 10.1 | 26.9                | 18.7                  | 9.0  | 20.5 | 16.4                  | 6.8  |    |  |  |
|           |                              | 5.0            | 7.0                 | 23.1               | 17.4                  | 9.2  | 17.6 | 15.3                  | 7.1 | 5.0 | 7.0  | 25.2                | 18.1                  | 10.1 | 19.2 | 15.9                  | 7.7  |    |  |  |
| 13*HBC-32 | 1300                         | 8.0            | 18.2                | 30.9               | 21.9                  | 7.7  | 23.6 | 19.2                  | 5.9 | 8.0 | 18.2 | 33.7                | 22.9                  | 8.4  | 25.8 | 20.0                  | 6.4  |    |  |  |
|           |                              | 7.0            | 14.1                | 29.7               | 21.4                  | 8.5  | 22.7 | 18.9                  | 6.5 | 7.0 | 14.1 | 32.4                | 22.4                  | 9.3  | 24.7 | 19.7                  | 7.1  |    |  |  |
|           |                              | 6.0            | 10.5                | 28.2               | 20.9                  | 9.4  | 21.6 | 18.5                  | 7.2 | 6.0 | 10.5 | 30.8                | 21.8                  | 10.3 | 23.5 | 19.2                  | 7.8  |    |  |  |
|           |                              | 5.0            | 7.4                 | 26.2               | 20.2                  | 10.5 | 20.0 | 17.9                  | 8.0 | 5.0 | 7.4  | 28.6                | 21.0                  | 11.4 | 21.8 | 18.6                  | 8.7  |    |  |  |

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# COOLING CAPACITIES

**\*HBC-41 (4-Row Coil)** All capacities are based on nominal CFM.

| COOLING CAPACITY (1000 BTUH) |           |             |                     |                    |                        |      |      |                       |      |      |     |                     |                       |      |      |                       |      |      |
|------------------------------|-----------|-------------|---------------------|--------------------|------------------------|------|------|-----------------------|------|------|-----|---------------------|-----------------------|------|------|-----------------------|------|------|
| PSC MOTOR                    | MODEL     | NOMINAL CFM | 45°F ENTERING WATER |                    |                        |      |      |                       |      |      |     | 42°F ENTERING WATER |                       |      |      |                       |      |      |
|                              |           |             | GPM                 | P.D.<br>(FT. WTR.) | 80°F D.B. ( 67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |      | GPM | P.D.<br>(FT. WTR.)  | 80°F D.B. (67°F W.B.) |      |      | 75°F D.B. (63°F W.B.) |      |      |
|                              |           |             |                     |                    | TH                     | SH   | TR   | TH                    | SH   | TR   |     |                     | TH                    | SH   | TR   | TH                    | SH   | TR   |
|                              | 3"HBC-41  | 300         | 3.0                 | 15.9               | 11.2                   | 7.5  | 7.5  | 8.6                   | 6.5  | 5.7  | 3.0 | 15.9                | 12.3                  | 7.9  | 8.2  | 9.4                   | 6.8  | 6.2  |
|                              |           |             | 2.5                 | 11.4               | 10.8                   | 7.4  | 8.7  | 8.3                   | 6.4  | 6.6  | 2.5 | 11.4                | 11.8                  | 7.7  | 9.4  | 9.0                   | 6.7  | 7.2  |
|                              |           |             | 2.0                 | 7.6                | 10.2                   | 7.1  | 10.2 | 7.8                   | 6.2  | 7.8  | 2.0 | 7.6                 | 11.2                  | 7.5  | 11.2 | 8.5                   | 6.5  | 8.5  |
|                              |           |             | 1.5                 | 4.5                | 9.4                    | 6.8  | 12.5 | 7.2                   | 6.0  | 9.5  | 1.5 | 4.5                 | 10.2                  | 7.1  | 13.6 | 7.8                   | 6.2  | 10.4 |
|                              | 4"HBC-41  | 400         | 3.0                 | 18.2               | 14.3                   | 9.8  | 9.6  | 10.9                  | 8.5  | 7.3  | 3.0 | 18.2                | 15.6                  | 10.3 | 10.4 | 11.9                  | 8.9  | 8.0  |
|                              |           |             | 2.5                 | 13.2               | 13.6                   | 9.5  | 10.9 | 10.4                  | 8.3  | 8.3  | 2.5 | 13.2                | 14.9                  | 10.0 | 11.9 | 11.4                  | 8.7  | 9.1  |
|                              |           |             | 2.0                 | 8.9                | 12.7                   | 9.2  | 12.7 | 9.7                   | 8.0  | 9.7  | 2.0 | 8.9                 | 13.9                  | 9.6  | 13.9 | 10.6                  | 8.4  | 10.6 |
|                              |           |             | 1.5                 | 5.3                | 11.2                   | 8.6  | 15.0 | 8.6                   | 7.6  | 11.4 | 1.5 | 5.3                 | 12.2                  | 9.0  | 16.3 | 9.4                   | 7.9  | 12.5 |
|                              | 5"HBC-41  | 500         | 6.0                 | 17.6               | 18.9                   | 12.6 | 6.3  | 14.5                  | 10.9 | 4.8  | 6.0 | 17.6                | 20.6                  | 13.3 | 6.9  | 15.8                  | 11.5 | 5.3  |
|                              |           |             | 5.0                 | 12.6               | 18.3                   | 12.3 | 7.3  | 14.0                  | 10.7 | 5.6  | 5.0 | 12.6                | 19.9                  | 13.0 | 8.0  | 15.2                  | 11.2 | 6.1  |
|                              |           |             | 4.0                 | 8.3                | 17.4                   | 12.0 | 8.7  | 13.3                  | 10.5 | 6.6  | 4.0 | 8.3                 | 19.0                  | 12.6 | 9.5  | 14.5                  | 10.9 | 7.2  |
|                              |           |             | 3.0                 | 4.9                | 15.9                   | 11.4 | 10.6 | 12.1                  | 10.0 | 8.1  | 3.0 | 4.9                 | 17.3                  | 12.0 | 11.5 | 13.2                  | 10.4 | 8.8  |
|                              | 6"HBC-41  | 600         | 6.0                 | 17.6               | 21.5                   | 14.4 | 7.2  | 16.4                  | 12.6 | 5.5  | 6.0 | 17.6                | 23.5                  | 15.2 | 7.8  | 17.9                  | 13.1 | 6.0  |
|                              |           |             | 5.0                 | 12.6               | 20.7                   | 14.1 | 8.3  | 15.8                  | 12.3 | 6.3  | 5.0 | 12.6                | 22.6                  | 14.8 | 9.0  | 17.2                  | 12.9 | 6.9  |
|                              |           |             | 4.0                 | 8.3                | 19.6                   | 13.7 | 9.8  | 15.0                  | 12.0 | 7.5  | 4.0 | 8.3                 | 21.3                  | 14.4 | 10.7 | 16.3                  | 12.5 | 8.2  |
|                              |           |             | 3.0                 | 4.9                | 17.7                   | 13.0 | 11.8 | 13.6                  | 11.4 | 9.0  | 3.0 | 4.9                 | 19.3                  | 13.6 | 12.9 | 14.8                  | 11.9 | 9.8  |
|                              | 8"HBC-41  | 800         | 6.5                 | 16.9               | 26.0                   | 18.1 | 8.0  | 19.6                  | 15.8 | 6.1  | 6.5 | 16.9                | 28.3                  | 19.0 | 8.7  | 21.6                  | 16.5 | 6.7  |
|                              |           |             | 5.5                 | 12.6               | 24.9                   | 17.7 | 9.1  | 19.0                  | 15.5 | 6.9  | 5.5 | 12.6                | 27.1                  | 18.5 | 9.9  | 20.7                  | 16.1 | 7.5  |
|                              |           |             | 4.5                 | 8.9                | 23.4                   | 17.1 | 10.4 | 17.9                  | 15.0 | 8.0  | 4.5 | 8.9                 | 25.6                  | 17.9 | 11.4 | 19.5                  | 16.7 | 8.7  |
|                              |           |             | 3.5                 | 5.7                | 21.1                   | 16.3 | 12.1 | 16.1                  | 14.4 | 9.2  | 3.5 | 5.7                 | 23.0                  | 17.0 | 13.2 | 17.6                  | 14.9 | 10.1 |
|                              | 10HBC-41  | 1000        | 8.0                 | 18.2               | 31.9                   | 22.3 | 8.0  | 24.4                  | 19.5 | 6.1  | 8.0 | 18.2                | 34.8                  | 23.3 | 8.7  | 26.6                  | 20.3 | 6.6  |
|                              |           |             | 7.0                 | 14.1               | 30.8                   | 21.8 | 8.8  | 23.5                  | 19.1 | 6.7  | 7.0 | 14.1                | 33.6                  | 22.9 | 9.6  | 25.7                  | 19.9 | 7.3  |
|                              |           |             | 6.0                 | 10.5               | 29.4                   | 21.3 | 9.8  | 22.5                  | 18.7 | 7.5  | 6.0 | 10.5                | 32.1                  | 22.3 | 10.7 | 24.5                  | 19.5 | 8.2  |
|                              |           |             | 5.0                 | 7.4                | 27.6                   | 20.6 | 11.0 | 21.1                  | 18.2 | 8.4  | 5.0 | 7.4                 | 20.0                  | 21.6 | 12.0 | 22.9                  | 18.9 | 9.2  |
|                              | 13"HBC-41 | 1300        | 8.0                 | 20.8               | 37.0                   | 26.1 | 9.2  | 28.2                  | 22.9 | 7.1  | 8.0 | 20.8                | 40.3                  | 27.4 | 10.1 | 30.8                  | 23.9 | 7.7  |
|                              |           |             | 7.0                 | 16.1               | 35.5                   | 25.6 | 10.1 | 27.1                  | 22.4 | 7.7  | 7.0 | 16.1                | 38.7                  | 26.8 | 11.1 | 29.6                  | 23.4 | 8.4  |
|                              |           |             | 6.0                 | 12.0               | 33.7                   | 24.9 | 11.2 | 25.8                  | 21.9 | 8.6  | 6.0 | 12.0                | 36.8                  | 26.1 | 12.3 | 28.1                  | 22.8 | 9.4  |
|                              |           |             | 5.0                 | 8.5                | 31.3                   | 24.1 | 12.5 | 23.9                  | 21.2 | 9.6  | 5.0 | 8.5                 | 34.2                  | 25.1 | 13.7 | 26.1                  | 22.0 | 10.4 |

**Product Specifications**  
Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# HEATING PERFORMANCE

| PSC MOTOR | <b>*HBC-3 (3-Row Coil)</b>   |             |     |              |                      |       |       |       |
|-----------|------------------------------|-------------|-----|--------------|----------------------|-------|-------|-------|
|           | HEATING CAPACITY (1000 BTUH) |             |     |              |                      |       |       |       |
|           | MODEL                        | NOMINAL CFM | GPM | P.D. (F.WTR) | ENTERING WATER TEMP. |       |       |       |
|           |                              |             |     |              | 180°F                | 160°F | 140°F | 120°F |
|           | 3*HBC-3                      | 300         | 3.0 | 12.6         | 26.9                 | 22.0  | 17.1  | 12.2  |
|           |                              |             | 2.0 | 3.0          | 26.0                 | 21.2  | 16.5  | 11.8  |
|           |                              |             | 1.0 | 1.7          | 23.4                 | 19.1  | 14.9  | 10.6  |
|           | 4*HBC-3                      | 400         | 3.5 | 19.3         | 35.8                 | 29.3  | 22.8  | 16.3  |
|           |                              |             | 2.5 | 10.7         | 34.6                 | 28.3  | 22.0  | 15.7  |
|           |                              |             | 1.5 | 4.4          | 32.1                 | 26.3  | 20.4  | 14.6  |
|           | 5*HBC-3                      | 500         | 5.0 | 9.8          | 43.7                 | 35.7  | 27.8  | 19.8  |
|           |                              |             | 3.5 | 5.1          | 42.2                 | 34.5  | 26.8  | 19.2  |
|           |                              |             | 2.0 | 1.8          | 38.6                 | 31.6  | 24.6  | 17.5  |
|           | 6*HBC-3                      | 600         | 5.0 | 9.8          | 49.7                 | 40.6  | 31.6  | 22.6  |
|           |                              |             | 3.5 | 5.1          | 47.8                 | 39.1  | 30.4  | 21.7  |
|           |                              |             | 2.0 | 1.8          | 43.5                 | 35.6  | 27.7  | 19.8  |
|           | 8*HBC-3                      | 800         | 7.0 | 15.7         | 65.0                 | 53.2  | 41.4  | 29.6  |
|           |                              |             | 5.0 | 8.4          | 62.7                 | 51.3  | 39.9  | 28.5  |
|           |                              |             | 3.0 | 3.2          | 57.7                 | 47.2  | 39.7  | 26.2  |
|           | 10*HBC-3                     | 1000        | 8.0 | 17.9         | 79.2                 | 64.8  | 50.4  | 36.0  |
|           |                              |             | 6.0 | 10.1         | 76.6                 | 62.7  | 48.8  | 34.8  |
|           |                              |             | 4.0 | 4.5          | 71.9                 | 58.8  | 45.7  | 32.7  |
|           | 13*HBC-3                     | 1300        | 8.0 | 18.2         | 93.3                 | 76.4  | 59.4  | 42.4  |
|           |                              |             | 6.0 | 10.5         | 90.0                 | 73.6  | 57.2  | 40.9  |
|           |                              |             | 4.0 | 4.9          | 83.8                 | 68.6  | 53.3  | 38.1  |

| PSC MOTOR | <b>*HBC-31 (1-Row Coil)</b>  |             |     |              |                      |       |       |       |
|-----------|------------------------------|-------------|-----|--------------|----------------------|-------|-------|-------|
|           | HEATING CAPACITY (1000 BTUH) |             |     |              |                      |       |       |       |
|           | MODEL                        | NOMINAL CFM | GPM | P.D. (F.WTR) | ENTERING WATER TEMP. |       |       |       |
|           |                              |             |     |              | 180°F                | 160°F | 140°F | 120°F |
|           | 3*HBC-31                     | 300         | 2.0 | 11.3         | 15.2                 | 12.4  | 9.6   | 6.9   |
|           |                              |             | 1.5 | 6.7          | 14.7                 | 12.0  | 9.4   | 6.7   |
|           |                              |             | 1.0 | 3.2          | 13.9                 | 11.4  | 8.8   | 6.3   |
|           | 4*HBC-31                     | 400         | 2.0 | 14.4         | 19.6                 | 16.1  | 12.5  | 8.9   |
|           |                              |             | 1.5 | 8.9          | 18.9                 | 15.5  | 12.0  | 8.6   |
|           |                              |             | 1.0 | 4.5          | 17.5                 | 14.4  | 11.2  | 8.0   |
|           | 5*HBC-31                     | 500         | 2.0 | 15.0         | 23.3                 | 19.1  | 14.8  | 10.6  |
|           |                              |             | 1.5 | 9.0          | 22.3                 | 18.2  | 14.2  | 10.1  |
|           |                              |             | 1.0 | 4.4          | 20.4                 | 16.7  | 13.0  | 9.3   |
|           | 6*HBC-31                     | 600         | 2.0 | 15.0         | 25.7                 | 21.0  | 16.4  | 11.7  |
|           |                              |             | 1.5 | 9.0          | 24.5                 | 20.0  | 15.6  | 11.1  |
|           |                              |             | 1.0 | 4.4          | 22.4                 | 18.3  | 14.2  | 10.2  |
|           | 8*HBC-31                     | 800         | 2.0 | 18.8         | 31.6                 | 25.9  | 20.1  | 14.4  |
|           |                              |             | 1.5 | 11.3         | 29.8                 | 24.4  | 19.0  | 13.6  |
|           |                              |             | 1.0 | 5.5          | 26.8                 | 21.9  | 17.0  | 12.2  |
|           | 10*HBC-31                    | 1000        | 2.0 | 19.9         | 37.0                 | 30.3  | 23.5  | 16.8  |
|           |                              |             | 1.5 | 12.3         | 34.6                 | 28.3  | 22.0  | 15.7  |
|           |                              |             | 1.0 | 6.2          | 30.8                 | 25.2  | 19.6  | 14.0  |
|           | 13A*HBC-31                   | 1300        | 2.0 | 23.4         | 42.3                 | 34.6  | 26.9  | 19.2  |
|           |                              |             | 1.5 | 14.0         | 39.4                 | 32.2  | 25.1  | 17.9  |
|           |                              |             | 1.0 | 6.8          | 35.2                 | 28.8  | 22.4  | 16.0  |

| PSC MOTOR | <b>*HBC-4 (4-Row Coil)</b>   |             |     |              |                      |       |       |       |
|-----------|------------------------------|-------------|-----|--------------|----------------------|-------|-------|-------|
|           | HEATING CAPACITY (1000 BTUH) |             |     |              |                      |       |       |       |
|           | MODEL                        | NOMINAL CFM | GPM | P.D. (F.WTR) | ENTERING WATER TEMP. |       |       |       |
|           |                              |             |     |              | 180°F                | 160°F | 140°F | 120°F |
|           | 3*HBC-4                      | 300         | 3.0 | 15.9         | 28.6                 | 23.4  | 18.2  | 13.0  |
|           |                              |             | 2.0 | 7.6          | 27.6                 | 22.6  | 17.6  | 12.6  |
|           |                              |             | 1.0 | 2.2          | 14.9                 | 20.3  | 15.8  | 11.3  |
|           | 4*HBC-4                      | 400         | 3.0 | 18.2         | 37.6                 | 30.7  | 23.9  | 17.1  |
|           |                              |             | 2.0 | 8.9          | 35.8                 | 29.3  | 22.8  | 16.3  |
|           |                              |             | 1.0 | 2.6          | 31.3                 | 25.6  | 19.9  | 14.2  |
|           | 5*HBC-4                      | 500         | 4.0 | 8.3          | 45.6                 | 37.3  | 29.0  | 20.7  |
|           |                              |             | 3.0 | 4.9          | 44.0                 | 36.0  | 28.0  | 20.0  |
|           |                              |             | 2.0 | 2.3          | 41.2                 | 33.7  | 26.2  | 18.7  |
|           | 6*HBC-4                      | 600         | 5.0 | 12.6         | 53.2                 | 43.5  | 33.9  | 24.2  |
|           |                              |             | 4.0 | 8.3          | 52.0                 | 42.6  | 33.1  | 23.6  |
|           |                              |             | 3.0 | 4.9          | 50.1                 | 41.0  | 31.9  | 22.8  |
|           | 8*HBC-4                      | 800         | 6.0 | 14.7         | 68.8                 | 56.3  | 43.8  | 31.3  |
|           |                              |             | 4.5 | 8.9          | 66.4                 | 54.3  | 42.3  | 30.2  |
|           |                              |             | 3.0 | 4.4          | 62.0                 | 50.7  | 39.4  | 28.2  |
|           | 10*HBC-4                     | 1000        | 7.5 | 16.1         | 84.7                 | 69.3  | 53.9  | 38.5  |
|           |                              |             | 6.0 | 10.5         | 82.5                 | 67.5  | 52.5  | 37.5  |
|           |                              |             | 4.5 | 4.5          | 79.0                 | 64.6  | 50.3  | 35.9  |
|           | 13*HBC-4                     | 1300        | 8.0 | 20.8         | 100.5                | 92.2  | 63.9  | 45.7  |
|           |                              |             | 6.5 | 14.0         | 97.9                 | 80.1  | 62.3  | 44.5  |
|           |                              |             | 5.0 | 8.5          | 94.1                 | 77.0  | 69.9  | 42.8  |

| PSC MOTOR | <b>*HBC-32 (2-Row Coil)</b>  |             |     |              |                      |       |       |       |
|-----------|------------------------------|-------------|-----|--------------|----------------------|-------|-------|-------|
|           | HEATING CAPACITY (1000 BTUH) |             |     |              |                      |       |       |       |
|           | MODEL                        | NOMINAL CFM | GPM | P.D. (F.WTR) | ENTERING WATER TEMP. |       |       |       |
|           |                              |             |     |              | 180°F                | 160°F | 140°F | 120°F |
|           | 3*HBC-32                     | 300         | 3.0 | 10.5         | 18.3                 | 15.0  | 11.7  | 8.3   |
|           |                              |             | 2.0 | 5.1          | 17.7                 | 14.5  | 11.2  | 8.0   |
|           |                              |             | 1.0 | 1.5          | 15.9                 | 13.0  | 10.1  | 7.2   |
|           | 4*HBC-32                     | 400         | 3.0 | 11.2         | 24.0                 | 19.6  | 15.2  | 10.9  |
|           |                              |             | 2.0 | 5.4          | 22.8                 | 18.7  | 14.5  | 10.4  |
|           |                              |             | 1.0 | 1.6          | 20.0                 | 16.4  | 12.7  | 9.1   |
|           | 5*HBC-32                     | 500         | 3.0 | 13.4         | 28.8                 | 23.5  | 18.3  | 13.1  |
|           |                              |             | 2.0 | 6.4          | 27.2                 | 22.3  | 17.3  | 12.4  |
|           |                              |             | 1.0 | 1.9          | 23.4                 | 19.1  | 14.9  | 10.6  |
|           | 6*HBC-32                     | 600         | 3.0 | 13.4         | 32.1                 | 26.2  | 20.4  | 14.6  |
|           |                              |             | 2.0 | 6.4          | 30.3                 | 24.8  | 19.3  | 13.8  |
|           |                              |             | 1.0 | 1.9          | 25.8                 | 21.1  | 16.4  | 11.7  |
|           | 8*HBC-32                     | 800         | 4.0 | 8.4          | 40.5                 | 33.1  | 25.8  | 18.4  |
|           |                              |             | 3.0 | 4.8          | 38.6                 | 31.6  | 24.6  | 17.5  |
|           |                              |             | 2.0 | 2.2          | 35.4                 | 28.9  | 22.5  | 16.1  |
|           | 10*HBC-32                    | 1000        | 4.0 | 8.1          | 48.2                 | 39.5  | 30.7  | 21.9  |
|           |                              |             | 3.0 | 4.7          | 45.7                 | 37.4  | 29.1  | 20.8  |
|           |                              |             | 2.0 | 2.2          | 41.3                 | 33.8  | 26.3  | 18.8  |
|           | 13*HBC-32                    | 1300        | 4.0 | 7.8          | 56.1                 | 45.9  | 35.7  | 25.5  |
|           |                              |             | 3.0 | 4.3          | 52.8                 | 43.2  | 33.6  | 24.0  |
|           |                              |             | 2.0 | 1.9          | 47.3                 | 38.7  | 30.1  | 21.5  |

| PSC MOTOR | <b>*HBC-41 (1-Row Coil)</b>  |             |      |              |                      |       |       |       |
|-----------|------------------------------|-------------|------|--------------|----------------------|-------|-------|-------|
|           | HEATING CAPACITY (1000 BTUH) |             |      |              |                      |       |       |       |
|           | MODEL                        | NOMINAL CFM | GPM  | P.D. (F.WTR) | ENTERING WATER TEMP. |       |       |       |
|           |                              |             |      |              | 180°F                | 160°F | 140°F | 120°F |
|           | 3*HBC-41                     | 300         | 2.0  | 11.3         | 14.1                 | 11.6  | 9.0   | 6.4   |
|           |                              |             | 1.5  | 6.7          | 13.7                 | 11.2  | 8.7   | 6.2   |
|           |                              |             | 1.0  | 3.2          | 13.0                 | 10.6  | 8.2   | 5.9   |
|           | 4*HBC-41                     | 400         | 2.0  | 14.4         | 18.2                 | 14.9  | 11.6  | 8.3   |
|           |                              |             | 1.5  | 8.9          | 17.6                 | 14.4  | 11.2  | 8.0   |
|           |                              |             | 1.0  | 4.5          | 16.3                 | 13.36 | 10.4  | 7.4   |
|           | 5*HBC-41                     | 500         | 2.0  | 15.0         | 21.4                 | 17.5  | 13.6  | 9.7   |
|           |                              |             | 1.5  | 9.0          | 20.5                 | 16.8  | 13.0  | 9.3   |
|           |                              |             | 1.0  | 4.4          | 18.8                 | 15.3  | 11.9  | 8.5   |
|           | 6*HBC-41                     | 600         | 2.0  | 15.0         | 23.2                 | 19.0  | 14.8  | 10.5  |
|           |                              |             | 1.5  | 9.0          | 22.1                 | 18.1  | 14.1  | 10.0  |
|           |                              |             | 1.0  | 4.4          | 20.2                 | 16.5  | 12.8  | 9.2   |
|           | 8*HBC-41                     | 800         | 2.0  | 18.8         | 28.4                 | 23.2  | 18.1  | 12.9  |
|           |                              |             | 1.5  | 11.3         | 26.8                 | 21.9  | 17.1  | 12.2  |
|           |                              |             | 21.0 | 5.5          | 24.1                 | 19.7  | 15.3  | 10.9  |
|           | 10*HBC-41                    | 1000        | 2.0  | 19.9         | 33.3                 | 27.2  | 21.2  | 15.1  |
|           |                              |             | 1.5  | 12.3         | 31.1                 | 25.5  | 19.8  | 14.1  |
|           |                              |             | 1.0  | 6.2          | 27.7                 | 22.7  | 17.6  | 12.6  |
|           | 13*HBC-41                    | 1300        | 2.0  | 23.4         | 38.1                 | 31.2  | 24.2  | 17.3  |
|           |                              |             | 1.5  | 14.0         | 35.4                 | 29.0  | 22.5  | 16.1  |
|           |                              |             | 1.0  | 6.8          | 31.6                 | 25.9  | 20.1  | 14.4  |

## NOTES:

1. Ratings at 70 degree ent. air temp.
2. Contact factory for capacities at other conditions

- \* - P - with insulated return plenum
- R - recessed with telescoping panel
- C - cabinet exposed

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# COOLING CORRECTIONS

| COOLING CAPACITY CORRECTION FACTORS |      |      |      |      |      |      |      |      |      |      |       |      |       |      |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|
| MODEL                               | 3HBC |      | 4HBC |      | 5HBC |      | 6HBC |      | 8HBC |      | 10HBC |      | 13HBC |      |
| CFM                                 | TH   | SH   | TH   | SH   | TH   | SH   | TH   | SH   | TH   | SH   | TH    | SH   | TH    | SH   |
| 150                                 | .70  | .64  |      |      |      |      |      |      |      |      |       |      |       |      |
| 175                                 | .75  | .70  |      |      |      |      |      |      |      |      |       |      |       |      |
| 200                                 | .80  | .76  |      |      |      |      |      |      |      |      |       |      |       |      |
| 225                                 | .85  | .82  |      |      |      |      |      |      |      |      |       |      |       |      |
| 250                                 | 0.9  | .88  | .70  | .64  |      |      |      |      |      |      |       |      |       |      |
| 300                                 | 1.00 | 1.00 | .76  | .71  | .70  | .64  |      |      |      |      |       |      |       |      |
| 325                                 | 1.04 | 1.06 | .79  | .75  | .72  | .67  |      |      |      |      |       |      |       |      |
| 350                                 | 1.10 | 1.12 | .82  | .78  | .75  | .70  | .69  | .63  |      |      |       |      |       |      |
| 400                                 |      |      | .88  | .86  | .80  | .76  | .73  | .68  |      |      |       |      |       |      |
| 450                                 |      |      | .94  | .93  | .85  | .82  | .77  | .73  | .71  | .66  |       |      |       |      |
| 500                                 |      |      | 1.00 | 1.00 | .90  | .88  | .81  | .77  | .74  | .69  |       |      |       |      |
| 550                                 |      |      | 1.06 | 1.07 | .95  | .94  | .85  | .82  | .78  | .73  | .71   | .65  |       |      |
| 600                                 |      |      | 1.12 | 1.14 | 1.00 | 1.00 | .89  | .87  | .81  | .78  | .74   | .68  |       |      |
| 700                                 |      |      |      |      | 1.10 | 1.12 | .98  | .98  | .88  | .85  | .79   | .75  | .70   | .64  |
| 800                                 |      |      |      |      |      |      | 1.05 | 1.06 | .95  | .94  | .85   | .82  | .74   | .69  |
| 900                                 |      |      |      |      |      |      | 1.14 | 1.16 | 1.02 | 1.02 | .90   | .88  | .78   | .74  |
| 1000                                |      |      |      |      |      |      |      |      | 1.09 | 1.11 | .96   | .95  | .83   | .79  |
| 1100                                |      |      |      |      |      |      |      |      | 1.15 | 1.18 | 1.02  | 1.02 | .87   | .85  |
| 1200                                |      |      |      |      |      |      |      |      |      |      | 1.07  | 1.09 | .92   | .90  |
| 1300                                |      |      |      |      |      |      |      |      |      |      | 1.12  | 1.14 | 1.06  | 1.05 |
| 1400                                |      |      |      |      |      |      |      |      |      |      |       |      | 1.00  | 1.00 |
| 1500                                |      |      |      |      |      |      |      |      |      |      |       |      | 1.04  | 1.05 |

TH - Total Heat SH - Sensible Heat

| ARI APPROVED STANDARD RATINGS |          |       |      |                      |                     |      |                     |
|-------------------------------|----------|-------|------|----------------------|---------------------|------|---------------------|
| PSC MOTOR                     | MODEL    | COIL  | CFM  | PRESS DROP (FT.WTR.) | COOLING (1000 BTUH) |      | POWER INPUT (WATTS) |
|                               |          |       |      |                      | TH                  | SH   |                     |
|                               | 3*HBC-3  | 3-ROW | 310  | 8.0                  | 9.8                 | 6.7  | 120                 |
|                               | 4*HBC-3  |       | 510  | 12.5                 | 13.4                | 9.5  | 120                 |
|                               | 5*HBC-3  |       | 600  | 8.0                  | 16.3                | 11.0 | 130                 |
|                               | 6*HBC-3  |       | 730  | 10.5                 | 20.0                | 14.0 | 240                 |
|                               | 8*HBC-3  |       | 870  | 8.0                  | 22.5                | 17.0 | 340                 |
|                               | 10*HBC-3 |       | 1070 | 8.0                  | 27.8                | 20.8 | 450                 |
|                               | 13*HBC-3 |       | 1400 | 14.0                 | 35.5                | 26.5 | 530                 |
|                               | 3*HBC-4  | 4-ROW | 310  | 12.0                 | 10.8                | 7.0  | 120                 |
|                               | 4*HBC-4  |       | 510  | 23.2                 | 16.0                | 10.6 | 120                 |
|                               | 5*HBC-4  |       | 600  | 12.0                 | 18.0                | 11.8 | 130                 |
|                               | 6*HBC-4  |       | 730  | 18.0                 | 23.0                | 15.6 | 240                 |
|                               | 8*HBC-4  |       | 870  | 14.0                 | 26.9                | 18.9 | 340                 |
|                               | 10*HBC-4 |       | 1070 | 14.0                 | 32.2                | 23   | 450                 |
|                               | 13*HBC-4 |       | 1400 | 24.0                 | 41.5                | 29.5 | 530                 |

Rated in accordance with ARI Standard 440.



# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# BLOWER PERFORMANCE HBC 120 VOLT PSC

| PSC MOTOR                                                     | HBC (120 Volt)                                   |           |         |             |           |                                            |      |      |      |      |      |      |      |      |     |
|---------------------------------------------------------------|--------------------------------------------------|-----------|---------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|-----|
|                                                               | CFM vs EXTERNAL STATIC PRESSURE (3 ROW 120 Volt) |           |         |             |           |                                            |      |      |      |      |      |      |      |      |     |
|                                                               | MODEL                                            | HP        | MAX RPM | AMPS (120V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |     |
|                                                               |                                                  |           |         |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |     |
|                                                               | 3*HBC-3                                          | 1/20      | 1050    | .09         | HI        | 335                                        | 300  | 270  | 235  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |         |             | MED       | 275                                        | 245  | 220  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |         |             | LOW (4)   | 230                                        | 210  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               | 4*HBC-3                                          | 1/12      | 1050    | 1.1         | HI        | 525                                        | 480  | 425  | 350  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |         |             | MED       | 410                                        | 375  | 330  | 260  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |         |             | LOW       | 350                                        | 325  | 280  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               | 5*HBC-3                                          | 1/12      | 1050    | 1.3         | HI        | 610                                        | 560  | 510  | 450  | 375  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |         |             | MED       | 500                                        | 465  | 425  | 370  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |         |             | LOW       | 355                                        | 345  | 325  | 290  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               | 6*HBC-3                                          | 1/8       | 1550    | 1.9         | HI        | 755                                        | 730  | 705  | 680  | 650  | 620  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |         |             | MED       | 675                                        | 650  | 620  | 595  | 565  | 540  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |         |             | LOW       | 570                                        | 550  | 530  | 510  | 485  | 450  | ---  | ---  | ---  | --- |
|                                                               | 8*HBC-3                                          | 1/5       | 1550    | 3.0         | HI        | 950                                        | 920  | 895  | 870  | 840  | 810  | 775  | 740  | 635  |     |
|                                                               |                                                  |           |         |             | MED       | 775                                        | 755  | 730  | 710  | 690  | 665  | 635  | 605  | 530  |     |
|                                                               |                                                  |           |         |             | LOW       | 690                                        | 605  | 585  | 560  | 540  | 515  | 485  | 460  | 405  |     |
|                                                               | 10*HBC-3                                         | 1/4       | 1550    | 3.6         | HI        | 1175                                       | 1145 | 1115 | 1085 | 1055 | 1025 | 995  | 960  | 890  |     |
|                                                               |                                                  |           |         |             | MED       | 950                                        | 930  | 915  | 900  | 885  | 870  | 850  | 820  | 745  |     |
|                                                               |                                                  |           |         |             | LOW       | 805                                        | 795  | 785  | 775  | 755  | 735  | 710  | 680  | 620  |     |
|                                                               | 13*HBC-3                                         | 1/5 (two) | 1550    | 2.3 Ea.     | HI        | 1545                                       | 1500 | 1455 | 1450 | 1365 | 1320 | 1280 | 1235 | 1120 |     |
|                                                               |                                                  |           |         |             | MED       | 1355                                       | 1320 | 1280 | 1240 | 1205 | 1165 | 1125 | 1085 | 975  |     |
|                                                               |                                                  |           |         |             | LOW       | 1190                                       | 1160 | 1130 | 1150 | 1075 | 1035 | 990  | 940  | 830  |     |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 120 Volt) |                                                  |           |         |             |           |                                            |      |      |      |      |      |      |      |      |     |
| 3*HBC-4<br>-31                                                | 1/20                                             | 1050      | 0.9     | HI          | 315       | 280                                        | 250  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 260       | 230                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW (4)     | 220       | 195                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
| 4*HBC-4<br>-31                                                | 1/12                                             | 1050      | 1.1     | HI          | 490       | 450                                        | 395  | 320  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 405       | 370                                        | 320  | 250  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW         | 350       | 320                                        | 280  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
| 5*HBC-4<br>-31                                                | 1/12                                             | 1050      | 1.3     | HI          | 605       | 550                                        | 500  | 445  | 375  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 500       | 455                                        | 415  | 365  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW         | 360       | 340                                        | 315  | 275  | ---  | ---  | ---  | ---  | ---  |      |     |
| 6*HBC-4<br>-31                                                | 1/8                                              | 1550      | 1.9     | HI          | 745       | 710                                        | 675  | 645  | 610  | 580  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 745       | 615                                        | 590  | 560  | 535  | 500  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW         | 650       | 535                                        | 510  | 485  | 455  | 420  | ---  | ---  | ---  |      |     |
| 8*HBC-4<br>-31                                                | 1/5                                              | 1550      | 3.0     | HI          | 915       | 885                                        | 855  | 825  | 800  | 765  | 735  | 705  | 625  |      |     |
|                                                               |                                                  |           |         | MED         | 755       | 730                                        | 705  | 675  | 650  | 620  | 590  | 555  | 480  |      |     |
|                                                               |                                                  |           |         | LOW         | 620       | 595                                        | 575  | 550  | 530  | 500  | 475  | 440  | 370  |      |     |
| 10*HBC-4<br>-31                                               | 1/4                                              | 1550      | 3.6     | HI          | 1140      | 1110                                       | 1080 | 1045 | 1010 | 975  | 935  | 890  | 825  |      |     |
|                                                               |                                                  |           |         | MED         | 940       | 915                                        | 895  | 875  | 850  | 825  | 795  | 765  | 680  |      |     |
|                                                               |                                                  |           |         | LOW         | 790       | 775                                        | 755  | 735  | 715  | 690  | 660  | 630  | 555  |      |     |
| 13*HBC-4<br>-31                                               | 1/5 (two)                                        | 1550      | 2.3 Ea. | HI          | 1495      | 1450                                       | 1405 | 1360 | 1310 | 1165 | 1215 | 1165 | 1055 |      |     |
|                                                               |                                                  |           |         | MED         | 1310      | 1270                                       | 1235 | 1200 | 1160 | 1115 | 1070 | 1020 | 930  |      |     |
|                                                               |                                                  |           |         | LOW         | 1165      | 1130                                       | 1095 | 1060 | 1020 | 985  | 940  | 895  | 780  |      |     |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 120 Volt)   |                                                  |           |         |             |           |                                            |      |      |      |      |      |      |      |      |     |
| 3*HBC-41<br>-32                                               | 1/20                                             | 1050      | 0.9     | HI          | 305       | 270                                        | 240  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 250       | 225                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW (4)     | 210       | 190                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
| 4*HBC-41<br>-32                                               | 1/12                                             | 1050      | 1.1     | HI          | 470       | 420                                        | 365  | 290  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 395       | 355                                        | 300  | 235  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW         | 345       | 305                                        | 270  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
| 5*HBC-41<br>-32                                               | 1/12                                             | 1050      | 1.3     | HI          | 575       | 520                                        | 470  | 415  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 480       | 440                                        | 400  | 350  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW         | 345       | 325                                        | 300  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
| 6*HBC-41<br>-32                                               | 1/8                                              | 1550      | 1.9     | HI          | 660       | 625                                        | 595  | 565  | 530  | 495  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | MED         | 555       | 520                                        | 485  | 445  | 425  | 395  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |         | LOW         | 475       | 440                                        | 410  | 380  | 350  | 320  | ---  | ---  | ---  |      |     |
| 8*HBC-41<br>-32                                               | 1/5                                              | 1550      | 3.0     | HI          | 905       | 875                                        | 845  | 815  | 785  | 750  | 715  | 680  | 605  |      |     |
|                                                               |                                                  |           |         | MED         | 755       | 725                                        | 705  | 680  | 650  | 620  | 590  | 555  | 495  |      |     |
|                                                               |                                                  |           |         | LOW         | 635       | 615                                        | 595  | 570  | 550  | 525  | 495  | 465  | 405  |      |     |
| 10*HBC-41<br>-32                                              | 1/4                                              | 1550      | 3.6     | HI          | 1115      | 1075                                       | 1040 | 1005 | 970  | 935  | 900  | 860  | 765  |      |     |
|                                                               |                                                  |           |         | MED         | 925       | 905                                        | 880  | 860  | 835  | 805  | 765  | 725  | 630  |      |     |
|                                                               |                                                  |           |         | LOW         | 790       | 765                                        | 745  | 725  | 700  | 675  | 640  | 605  | 530  |      |     |
| 13*HBC-41<br>-32                                              | 1/5 (two)                                        | 1550      | 2.3 Ea. | HI          | 1470      | 1420                                       | 1370 | 1320 | 1270 | 1220 | 1165 | 1105 | 965  |      |     |
|                                                               |                                                  |           |         | MED         | 1355      | 1315                                       | 1265 | 1220 | 1170 | 1115 | 1060 | 1005 | 870  |      |     |
|                                                               |                                                  |           |         | LOW         | 1195      | 1160                                       | 1120 | 1080 | 1035 | 985  | 935  | 875  | 745  |      |     |

## Notes:

1. Motors are 120v/60Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. Coil fins-per-inch varies to allow consistent air flow
4. (4) The size 3 motor (models 3(P/R/C)(HBC) may not start on low speed due to low starting torque. These units must be wired to start on either Medium or High speed.

**Product Specifications**  
Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

**BLOWER PERFORMANCE**  
**PHBC 120 VOLT PSC**

| PHBC (120 Volt)                                               |                                                             |              |                |              |                                            |                      |                      |                      |                     |                     |                    |                    |                   |                   |
|---------------------------------------------------------------|-------------------------------------------------------------|--------------|----------------|--------------|--------------------------------------------|----------------------|----------------------|----------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|
| CFM vs EXTERNAL STATIC PRESSURE (3 ROW 120 Volt)              |                                                             |              |                |              |                                            |                      |                      |                      |                     |                     |                    |                    |                   |                   |
| MODEL                                                         | HP                                                          | MAX<br>RPM   | AMPS<br>(120V) | FAN<br>SPEED | EXTERNAL STATIC PRESSURE (inches of water) |                      |                      |                      |                     |                     |                    |                    |                   |                   |
|                                                               |                                                             |              |                |              | 0.05                                       | 0.10                 | 0.15                 | 0.20                 | 0.25                | 0.30                | 0.35               | 0.40               | 0.50              |                   |
| 3PHBC-3                                                       | 1/20                                                        | 1050         | .09            | HI           | 320                                        | 285                  | 250                  | ---                  | ---                 | ---                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | MED          | 260                                        | 230                  | 205                  | ---                  | ---                 | ---                 | ---                | ---                |                   |                   |
|                                                               |                                                             |              |                | LOW (4)      | 220                                        | 200                  | ---                  | ---                  | ---                 | ---                 | ---                | ---                |                   |                   |
| 4PHBC-3                                                       | 1/12                                                        | 1050         | 1.1            | HI           | 405                                        | 355                  | 295                  | ---                  | ---                 | ---                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | MED          | 360                                        | 315                  | 255                  | ---                  | ---                 | ---                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | LOW          | 340                                        | 305                  | 245                  | ---                  | ---                 | ---                 | ---                | ---                | ---               |                   |
| 5PHBC-3                                                       | 1/12                                                        | 1050         | 1.3            | HI           | 545                                        | 500                  | 445                  | 385                  | ---                 | ---                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | MED          | 475                                        | 440                  | 395                  | 335                  | ---                 | ---                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | LOW          | 345                                        | 320                  | 290                  | 250                  | ---                 | ---                 | ---                | ---                | ---               |                   |
| 6PHBC-3                                                       | 1/8                                                         | 1550         | 1.9            | HI           | 705                                        | 675                  | 650                  | 620                  | 590                 | 555                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | MED          | 645                                        | 620                  | 595                  | 565                  | 535                 | 505                 | ---                | ---                | ---               |                   |
|                                                               |                                                             |              |                | LOW          | 560                                        | 540                  | 515                  | 490                  | 460                 | 430                 | ---                | ---                | ---               |                   |
| 8PHBC-3                                                       | 1/5                                                         | 1550         | 3.0            | HI           | 890                                        | 855                  | 820                  | 780                  | 745                 | 710                 | 670                | 630                | 540               |                   |
|                                                               |                                                             |              |                | MED          | 760                                        | 725                  | 695                  | 665                  | 630                 | 595                 | 565                | 530                | 460               |                   |
|                                                               |                                                             |              |                | LOW          | 620                                        | 595                  | 565                  | 540                  | 515                 | 485                 | 455                | 420                | 360               |                   |
| 10PHBC-3                                                      | 1/4                                                         | 1550         | 3.6            | HI           | 1165                                       | 1130                 | 1095                 | 1060                 | 1020                | 975                 | 930                | 880                | 785               |                   |
|                                                               |                                                             |              |                | MED          | 1065                                       | 1025                 | 990                  | 955                  | 915                 | 875                 | 835                | 795                | 710               |                   |
|                                                               |                                                             |              |                | LOW          | 890                                        | 865                  | 840                  | 815                  | 790                 | 765                 | 735                | 700                | 625               |                   |
| 13PHBC-3                                                      | 1/5<br>(two)                                                | 1550         | 2.3<br>Ea.     | HI           | 1345                                       | 1295                 | 1250                 | 1205                 | 1155                | 1100                | 1045               | 980                | 855               |                   |
|                                                               |                                                             |              |                | MED          | 1255                                       | 1210                 | 1170                 | 1120                 | 1075                | 1025                | 970                | 915                | 795               |                   |
|                                                               |                                                             |              |                | LOW          | 1165                                       | 1125                 | 1080                 | 1035                 | 985                 | 930                 | 875                | 820                | 710               |                   |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 120 Volt) |                                                             |              |                |              |                                            |                      |                      |                      |                     |                     |                    |                    |                   |                   |
| PSC MOTOR                                                     | 3PHBC-4<br>-31                                              | 1/20         | 1050           | 0.9          | HI<br>MED<br>LOW (4)                       | 290<br>245<br>215    | 260<br>220<br>185    | 230<br>---<br>---    | ---                 | ---                 | ---                | ---                | ---               | ---               |
|                                                               | 4PHBC-4<br>-31                                              | 1/12         | 1050           | 1.1          | HI<br>MED<br>LOW                           | 380<br>345<br>315    | 335<br>295<br>275    | 285<br>---<br>---    | ---                 | ---                 | ---                | ---                | ---               | ---               |
|                                                               | 5PHBC-4<br>-31                                              | 1/12         | 1050           | 1.3          | HI<br>MED<br>LOW                           | 540<br>475<br>365    | 490<br>435<br>340    | 435<br>365<br>305    | 370<br>290<br>---   | ---                 | ---                | ---                | ---               | ---               |
|                                                               | 6PHBC-4<br>-31                                              | 1/8          | 1550           | 1.9          | HI<br>MED<br>LOW                           | 695<br>620<br>560    | 660<br>590<br>525    | 630<br>560<br>490    | 595<br>530<br>460   | 560<br>500<br>425   | 520<br>465<br>390  | ---                | ---               | ---               |
|                                                               | 8PHBC-4<br>-31                                              | 1/5          | 1550           | 3.0          | HI<br>MED<br>LOW                           | 870<br>745<br>605    | 830<br>715<br>580    | 795<br>680<br>555    | 755<br>645<br>535   | 720<br>615<br>505   | 685<br>580<br>480  | 645<br>545<br>445  | 605<br>510<br>415 | 520<br>440<br>355 |
|                                                               | 10PHBC-4<br>-31                                             | 1/4          | 1550           | 3.6          | HI<br>MED<br>LOW                           | 1120<br>1035<br>905  | 1075<br>1000<br>875  | 1030<br>960<br>845   | 990<br>920<br>815   | 945<br>880<br>780   | 905<br>840<br>750  | 865<br>795<br>715  | 820<br>755<br>675 | 725<br>675<br>600 |
|                                                               | 13PHBC-4<br>-31                                             | 1/5<br>(two) | 1550           | 2.3<br>Ea.   | HI<br>MED<br>LOW                           | 1300<br>1225<br>1125 | 1255<br>1180<br>1080 | 1210<br>1130<br>1035 | 1165<br>1080<br>990 | 1115<br>1035<br>945 | 1060<br>950<br>895 | 1005<br>935<br>845 | 940<br>880<br>795 | 820<br>755<br>690 |
|                                                               | CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 120 Volt) |              |                |              |                                            |                      |                      |                      |                     |                     |                    |                    |                   |                   |
| PSC MOTOR                                                     | 3PHBC-41<br>-32                                             | 1/20         | 1050           | 0.9          | HI<br>MED<br>LOW (4)                       | 285<br>235<br>205    | 250<br>210<br>180    | 220<br>---<br>---    | ---                 | ---                 | ---                | ---                | ---               | ---               |
|                                                               | 4PHBC-41<br>-32                                             | 1/12         | 1050           | 1.1          | HI<br>MED<br>LOW                           | 370<br>325<br>295    | 320<br>280<br>250    | 265<br>---<br>---    | ---                 | ---                 | ---                | ---                | ---               | ---               |
|                                                               | 5PHBC-41<br>-32                                             | 1/12         | 1050           | 1.3          | HI<br>MED<br>LOW                           | 505<br>445<br>325    | 450<br>400<br>300    | 395<br>350<br>270    | 335<br>295<br>---   | ---                 | ---                | ---                | ---               | ---               |
|                                                               | 6PHBC-41<br>-32                                             | 1/8          | 1550           | 1.9          | HI<br>MED<br>LOW                           | 665<br>605<br>535    | 625<br>570<br>505    | 590<br>535<br>470    | 555<br>505<br>440   | 515<br>470<br>405   | 480<br>430<br>370  | ---                | ---               | ---               |
|                                                               | 8PHBC-41<br>-32                                             | 1/5          | 1550           | 3.0          | HI<br>MED<br>LOW                           | 845<br>725<br>605    | 810<br>700<br>580    | 780<br>670<br>560    | 750<br>640<br>535   | 715<br>610<br>505   | 680<br>580<br>480  | 640<br>550<br>455  | 605<br>520<br>425 | 530<br>435<br>370 |
|                                                               | 10PHBC-41<br>-32                                            | 1/4          | 1550           | 3.6          | HI<br>MED<br>LOW                           | 1015<br>890<br>770   | 975<br>855<br>740    | 940<br>825<br>710    | 900<br>795<br>685   | 865<br>765<br>660   | 825<br>735<br>630  | 785<br>700<br>600  | 750<br>665<br>570 | 670<br>590<br>510 |
|                                                               | 13PHBC-41<br>-32                                            | 1/5<br>(two) | 1550           | 2.3<br>Ea.   | HI<br>MED<br>LOW                           | 1295<br>1215<br>1120 | 1245<br>1165<br>1075 | 1195<br>1120<br>1025 | 1145<br>1065<br>975 | 1090<br>1015<br>930 | 1035<br>960<br>885 | 975<br>905<br>835  | 915<br>845<br>785 | 795<br>725<br>625 |

**Notes:**

1. Motors are 120v / 60Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. Coil fins-per-inch varies to allow consistent air flow
4. (4) The size 3 motor (models 3(P/R/C)HBC) may not start on low speed due to low starting torque. These units must be wired to start on either Medium or High speed.

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# BLOWER PERFORMANCE RHBC 120 VOLT PSC

PSC MOTOR

| RHBC (120 Volt)                                               |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
|---------------------------------------------------------------|-----------|---------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|
| CFM vs EXTERNAL STATIC PRESSURE (3 ROW 120 Volt)              |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
| MODEL                                                         | HP        | MAX RPM | AMPS (120V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |
|                                                               |           |         |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |
| 3RHBC-3                                                       | 1/20      | 1050    | .09         | HI        | 320                                        | 285  | 250  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 260                                        | 230  | 205  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 220                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 4RHBC-3                                                       | 1/12      | 1050    | 1.1         | HI        | 405                                        | 355  | 295  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 360                                        | 315  | 255  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 340                                        | 305  | 245  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 5RHBC-3                                                       | 1/12      | 1050    | 1.3         | HI        | 545                                        | 500  | 445  | 385  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 475                                        | 440  | 395  | 335  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 345                                        | 320  | 290  | 250  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 6RHBC-3                                                       | 1/8       | 1550    | 1.9         | HI        | 705                                        | 675  | 650  | 620  | 590  | 555  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 645                                        | 620  | 595  | 565  | 535  | 505  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 560                                        | 540  | 515  | 490  | 460  | 430  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 8RHBC-3                                                       | 1/5       | 1550    | 3.0         | HI        | 890                                        | 855  | 820  | 780  | 745  | 710  | 670  | 630  | 540  |
|                                                               |           |         |             | MED       | 745                                        | 725  | 695  | 665  | 630  | 600  | 565  | 530  | 460  |
|                                                               |           |         |             | LOW       | 620                                        | 595  | 565  | 540  | 515  | 485  | 455  | 420  | 360  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 10RHBC-3                                                      | 1/4       | 1550    | 3.6         | HI        | 1165                                       | 1130 | 1095 | 1060 | 1020 | 975  | 930  | 880  | 785  |
|                                                               |           |         |             | MED       | 1065                                       | 1025 | 990  | 955  | 915  | 875  | 835  | 795  | 710  |
|                                                               |           |         |             | LOW       | 890                                        | 865  | 840  | 815  | 790  | 765  | 735  | 700  | 625  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 13RHBC-3                                                      | 1/5 (two) | 1550    | 2.3 Ea.     | HI        | 1345                                       | 1295 | 1250 | 1200 | 1155 | 1100 | 1045 | 980  | 855  |
|                                                               |           |         |             | MED       | 1255                                       | 1210 | 1170 | 1120 | 1075 | 1025 | 970  | 915  | 795  |
|                                                               |           |         |             | LOW       | 1165                                       | 1125 | 1080 | 1035 | 985  | 930  | 875  | 820  | 710  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 120 Volt) |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
| 3RHBC-4<br>-31                                                | 1/20      | 1050    | 0.9         | HI        | 290                                        | 260  | 230  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 245                                        | 220  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 215                                        | 185  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 4RHBC-4<br>-31                                                | 1/12      | 1050    | 1.1         | HI        | 380                                        | 335  | 285  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 345                                        | 295  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 315                                        | 275  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 5RHBC-4<br>-31                                                | 1/12      | 1050    | 1.3         | HI        | 540                                        | 490  | 435  | 370  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 475                                        | 435  | 365  | 290  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 365                                        | 340  | 305  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 6RHBC-4<br>-31                                                | 1/8       | 1550    | 1.9         | HI        | 695                                        | 660  | 630  | 595  | 560  | 520  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 620                                        | 590  | 560  | 530  | 500  | 465  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 560                                        | 525  | 490  | 460  | 425  | 390  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 8RHBC-4<br>-31                                                | 1/5       | 1550    | 3.0         | HI        | 870                                        | 830  | 795  | 755  | 720  | 685  | 645  | 605  | 520  |
|                                                               |           |         |             | MED       | 745                                        | 715  | 680  | 645  | 615  | 580  | 545  | 510  | 440  |
|                                                               |           |         |             | LOW       | 605                                        | 580  | 555  | 535  | 505  | 480  | 445  | 415  | 355  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 10RHBC-4<br>-31                                               | 1/4       | 1550    | 3.6         | HI        | 1120                                       | 1075 | 1030 | 990  | 945  | 905  | 865  | 820  | 725  |
|                                                               |           |         |             | MED       | 1035                                       | 1000 | 960  | 920  | 880  | 840  | 795  | 755  | 675  |
|                                                               |           |         |             | LOW       | 905                                        | 875  | 845  | 815  | 780  | 750  | 715  | 675  | 600  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 13RHBC-4<br>-31                                               | 1/5 (two) | 1550    | 2.3 Ea.     | HI        | 1300                                       | 1255 | 1210 | 1165 | 1115 | 1060 | 1005 | 940  | 820  |
|                                                               |           |         |             | MED       | 1225                                       | 1180 | 1130 | 1080 | 1035 | 990  | 935  | 880  | 755  |
|                                                               |           |         |             | LOW       | 1125                                       | 1080 | 1035 | 990  | 945  | 895  | 845  | 795  | 690  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 120 Volt)   |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
| 3RHBC-41<br>-32                                               | 1/20      | 1050    | 0.9         | HI        | 285                                        | 250  | 220  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 235                                        | 210  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 205                                        | 180  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 4RHBC-41<br>-32                                               | 1/12      | 1050    | 1.1         | HI        | 370                                        | 320  | 265  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 325                                        | 280  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 295                                        | 250  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 5PRHBC-41<br>-32                                              | 1/12      | 1050    | 1.3         | HI        | 505                                        | 450  | 395  | 335  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 445                                        | 400  | 350  | 295  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 325                                        | 300  | 270  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 6RHBC-41<br>-32                                               | 1/8       | 1550    | 1.9         | HI        | 665                                        | 625  | 590  | 555  | 515  | 480  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 605                                        | 570  | 535  | 505  | 470  | 430  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 535                                        | 505  | 470  | 440  | 405  | 370  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 8RHBC-41<br>-32                                               | 1/5       | 1550    | 3.0         | HI        | 845                                        | 810  | 780  | 750  | 715  | 680  | 640  | 605  | 530  |
|                                                               |           |         |             | MED       | 725                                        | 700  | 670  | 640  | 610  | 580  | 550  | 520  | 455  |
|                                                               |           |         |             | LOW       | 605                                        | 580  | 560  | 535  | 505  | 480  | 455  | 425  | 370  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 10RHBC-41<br>-32                                              | 1/4       | 1550    | 3.6         | HI        | 1015                                       | 975  | 940  | 900  | 865  | 825  | 785  | 750  | 670  |
|                                                               |           |         |             | MED       | 890                                        | 855  | 825  | 795  | 765  | 735  | 700  | 665  | 590  |
|                                                               |           |         |             | LOW       | 770                                        | 740  | 710  | 685  | 660  | 630  | 600  | 570  | 510  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |
| 13RHBC-41<br>-32                                              | 1/5 (two) | 1550    | 2.3 Ea.     | HI        | 1295                                       | 1245 | 1195 | 1145 | 1090 | 1035 | 975  | 915  | 795  |
|                                                               |           |         |             | MED       | 1215                                       | 1165 | 1120 | 1065 | 1015 | 960  | 905  | 845  | 725  |
|                                                               |           |         |             | LOW       | 1120                                       | 1075 | 1025 | 975  | 930  | 885  | 835  | 785  | 655  |
|                                                               |           |         |             | LOW (4)   |                                            |      |      |      |      |      |      |      |      |

## Notes:

1. Motors are 120v / 60Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. Coil fins-per-inch varies to allow consistent air flow
4. (4) The size 3 motor (models 3(P/R/C)HBC) may not start on low speed due to low starting torque. These units must be wired to start on either Medium or High speed.

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# BLOWER PERFORMANCE HBC 277 VOLT PSC

| PSC MOTOR                                                     | HBC (277 Volt)                                   |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
|---------------------------------------------------------------|--------------------------------------------------|-----------|----------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|-----|
|                                                               | CFM vs EXTERNAL STATIC PRESSURE (3 ROW 277 Volt) |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
|                                                               | MODEL                                            | HP        | MAX RPM  | AMPS (277V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |     |
|                                                               |                                                  |           |          |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |     |
|                                                               | 3"HBC-3                                          | 1/20      | 1100     | 0.48        | HI        | 315                                        | 285  | 255  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 245                                        | 220  | 195  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | LOW       | 180                                        | 160  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               | 4"HBC-3                                          | 1/15      | 1050     | 0.52        | HI        | 510                                        | 450  | 390  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 410                                        | 365  | 305  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 350                                        | 315  | 265  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               | 5"HBC-3                                          | 1/15      | 1050     | 0.52        | HI        | 575                                        | 535  | 490  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 405                                        | 375  | 340  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 335                                        | 305  | 275  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               | 6"HBC-3                                          | 1/812     | 1625     | 0.56        | HI        | 700                                        | 670  | 640  | 615  | 590  | 560  | 530  | 495  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 570                                        | 545  | 520  | 490  | 465  | 430  | 400  | 360  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 475                                        | 455  | 430  | 400  | 370  | 340  | 300  | 255  | ---  | --- |
|                                                               | 8"HBC-3                                          | 1/6       | 1550     | 0.80        | HI        | 905                                        | 880  | 855  | 830  | 800  | 765  | 725  | 685  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 720                                        | 700  | 675  | 650  | 625  | 595  | 565  | 535  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 605                                        | 585  | 560  | 530  | 505  | 475  | 450  | 420  | ---  | --- |
|                                                               | 10"HBC-3                                         | 1/4       | 1625     | 1.526       | HI        | 1170                                       | 1140 | 1105 | 1070 | 1035 | 995  | 950  | 905  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 945                                        | 920  | 900  | 875  | 850  | 820  | 785  | 740  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 780                                        | 755  | 730  | 705  | 680  | 655  | 625  | 590  | ---  | --- |
|                                                               | 13"HBC-3                                         | 1/6 (two) | 1550     | 0.80 Ea.    | HI        | 1580                                       | 1535 | 1490 | 1450 | 1400 | 1355 | 1300 | 1245 | 1130 |     |
|                                                               |                                                  |           |          |             | MED       | 1380                                       | 1340 | 1300 | 1260 | 1215 | 1170 | 1125 | 1075 | 960  | --- |
|                                                               |                                                  |           |          |             | LOW       | 1180                                       | 1140 | 1105 | 1070 | 1030 | 990  | 945  | 895  | 775  | --- |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 277 Volt) |                                                  |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
| 3"HBC-4-31                                                    | 1/20                                             | 1100      | 0.48     | HI          | 300       | 270                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 240       | 215                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 195       | 175                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 4"HBC-4-31                                                    | 1/15                                             | 1050      | 0.52     | HI          | 485       | 435                                        | 380  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 395       | 355                                        | 300  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 350       | 315                                        | 265  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 5"HBC-4-31                                                    | 1/125                                            | 1050      | 0.52     | HI          | 565       | 525                                        | 480  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 390       | 360                                        | 325  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 330       | 300                                        | 270  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 6"HBC-4-31                                                    | 1/12                                             | 1625      | 0.56     | HI          | 700       | 665                                        | 635  | 600  | 575  | 545  | 510  | 470  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 570       | 540                                        | 515  | 490  | 465  | 435  | 400  | 355  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 470       | 445                                        | 420  | 390  | 360  | 330  | 290  | 255  | ---  | ---  |     |
| 8"HBC-4-31                                                    | 1/6                                              | 1550      | 0.80     | HI          | 865       | 835                                        | 805  | 780  | 745  | 710  | 670  | 625  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 705       | 680                                        | 660  | 630  | 605  | 570  | 535  | 495  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 580       | 555                                        | 535  | 505  | 475  | 445  | 415  | 395  | ---  | ---  |     |
| 10"HBC-4-31                                                   | 1/4                                              | 1625      | 1.526    | HI          | 1140      | 1100                                       | 1065 | 1025 | 990  | 950  | 915  | 880  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 915       | 890                                        | 870  | 845  | 820  | 790  | 755  | 715  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 770       | 745                                        | 720  | 695  | 670  | 640  | 615  | 585  | ---  | ---  |     |
| 13"HBC-4-31                                                   | 1/6 (two)                                        | 1550      | 0.80 Ea. | HI          | 1510      | 1465                                       | 1420 | 1370 | 1325 | 1275 | 1225 | 1170 | 1050 |      |     |
|                                                               |                                                  |           |          | MED         | 1320      | 1280                                       | 1245 | 1205 | 1165 | 1120 | 1075 | 1025 | 905  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 1140      | 1110                                       | 1075 | 1040 | 1005 | 965  | 920  | 865  | 745  | ---  |     |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 277 Volt)   |                                                  |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
| 3"HBC-41-32                                                   | 1/20                                             | 1100      | 0.48     | HI          | 295       | 265                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 235       | 210                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 190       | 160                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 4"HBC-41-32                                                   | 1/15                                             | 1050      | 0.52     | HI          | 485       | 440                                        | 390  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 400       | 360                                        | 310  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 345       | 315                                        | 270  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 5"HBC-41-32                                                   | 1/15                                             | 1050      | 0.52     | HI          | 525       | 475                                        | 430  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 385       | 350                                        | 310  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 320       | 285                                        | 250  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 6"HBC-41-32                                                   | 1/12                                             | 1625      | 0.56     | HI          | 660       | 630                                        | 600  | 575  | 545  | 515  | 480  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 540       | 510                                        | 485  | 460  | 430  | 395  | 360  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 455       | 430                                        | 405  | 380  | 350  | 315  | 280  | ---  | ---  | ---  |     |
| 8"HBC-41-32                                                   | 1/6                                              | 1550      | 0.80     | HI          | 865       | 830                                        | 800  | 775  | 740  | 705  | 665  | 625  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 690       | 660                                        | 630  | 605  | 575  | 545  | 515  | 485  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 580       | 550                                        | 525  | 495  | 470  | 440  | 415  | 385  | ---  | ---  |     |
| 10"HBC-41-32                                                  | 1/4                                              | 1625      | 1.26     | HI          | 1100      | 1065                                       | 1030 | 995  | 950  | 900  | 850  | 795  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 940       | 905                                        | 870  | 845  | 820  | 790  | 750  | 675  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 770       | 750                                        | 730  | 710  | 685  | 645  | 600  | 454  | ---  | ---  |     |
| 13"HBC-41-32                                                  | 1/6 (two)                                        | 1550      | 0.80 Ea. | HI          | 1460      | 1415                                       | 1365 | 1320 | 1270 | 1225 | 1175 | 1120 | 1005 |      |     |
|                                                               |                                                  |           |          | MED         | 1285      | 1245                                       | 1210 | 1170 | 1125 | 1085 | 1035 | 985  | 855  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 1130      | 1090                                       | 1050 | 1005 | 970  | 930  | 885  | 840  | 710  | ---  |     |

## Notes:

1. Motors are 277v / 60Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. coil fins-per-inch varies to allow consistent air flow

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE PHBC 277 VOLT PSC

| PSC MOTOR                                                     | PHBC (277 Volt)                                  |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
|---------------------------------------------------------------|--------------------------------------------------|------|----------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|
|                                                               | CFM vs EXTERNAL STATIC PRESSURE (3 ROW 277 Volt) |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
|                                                               | MODEL                                            | HP   | MAX RPM  | AMPS (277V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |
|                                                               |                                                  |      |          |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |
|                                                               | 3*PHBC-3                                         | 1/20 | 1100     | 0.48        | HI        | 290                                        | 260  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | MED       | 230                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | LOW       | 180                                        | 155  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               | 4*PHBC-3                                         | 1/15 | 1050     | 0.52        | HI        | 395                                        | 340  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | MED       | 345                                        | 295  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | LOW       | 310                                        | 265  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               | 5*PHBC-3                                         | 1/15 | 1050     | 0.52        | HI        | 500                                        | 460  | 415  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | MED       | 385                                        | 350  | 310  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | LOW       | 330                                        | 295  | 260  | ---  | ---  | ---  | ---  | ---  | ---  |
| 6*PHBC-3                                                      | 1/12                                             | 1625 | 0.56     | HI          | 665       | 630                                        | 595  | 565  | 540  | 510  | 475  | 430  | ---  |      |
|                                                               |                                                  |      |          | MED         | 545       | 515                                        | 490  | 465  | 440  | 410  | 375  | 335  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 460       | 430                                        | 400  | 375  | 350  | 320  | 290  | 250  | ---  |      |
| 8*PHBC-3                                                      | 1/6                                              | 1550 | 0.80     | HI          | 850       | 820                                        | 790  | 760  | 725  | 685  | 645  | 605  | ---  |      |
|                                                               |                                                  |      |          | MED         | 695       | 665                                        | 640  | 610  | 585  | 555  | 525  | 490  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 575       | 550                                        | 525  | 500  | 470  | 445  | 420  | 395  | ---  |      |
| 10*PHBC-3                                                     | 1/4                                              | 1625 | 1.26     | HI          | 1040      | 1000                                       | 960  | 920  | 885  | 850  | 810  | 775  | ---  |      |
|                                                               |                                                  |      |          | MED         | 885       | 850                                        | 810  | 780  | 745  | 720  | 690  | 665  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 710       | 680                                        | 655  | 635  | 610  | 590  | 565  | 540  | ---  |      |
| 13*PHBC-3                                                     | 1/6 (two)                                        | 1550 | 0.80 Ea. | HI          | 1385      | 1340                                       | 1295 | 1250 | 1205 | 1155 | 1100 | 1040 | 905  |      |
|                                                               |                                                  |      |          | MED         | 1250      | 1210                                       | 1170 | 1130 | 1085 | 1040 | 985  | 930  | 795  |      |
|                                                               |                                                  |      |          | LOW         | 1110      | 1070                                       | 1030 | 990  | 945  | 900  | 850  | 800  | 675  |      |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 277 Volt) |                                                  |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
| 3*PHBC-4-31                                                   | 1/20                                             | 1100 | 0.48     | HI          | 280       | 255                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 230       | 200                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 185       | 160                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 4*PHBC-4-31                                                   | 1/15                                             | 1050 | 0.52     | HI          | 395       | 340                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 345       | 295                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 305       | 255                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 5*PHBC-4-31                                                   | 1/15                                             | 1050 | 0.52     | HI          | 500       | 455                                        | 405  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 380       | 340                                        | 305  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 330       | 295                                        | 260  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 6*PHBC-4-31                                                   | 1/12                                             | 1625 | 0.56     | HI          | 650       | 615                                        | 585  | 555  | 525  | 490  | 450  | 405  | ---  |      |
|                                                               |                                                  |      |          | MED         | 540       | 510                                        | 480  | 450  | 425  | 390  | 355  | 320  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 460       | 430                                        | 400  | 375  | 345  | 315  | 280  | 240  | ---  |      |
| 8*PHBC-4-31                                                   | 1/6                                              | 1550 | 0.80     | HI          | 825       | 790                                        | 760  | 725  | 685  | 650  | 610  | 570  | ---  |      |
|                                                               |                                                  |      |          | MED         | 670       | 640                                        | 615  | 585  | 560  | 530  | 495  | 465  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 560       | 530                                        | 500  | 475  | 445  | 420  | 395  | 365  | ---  |      |
| 10*PHBC-4-31                                                  | 1/4                                              | 1625 | 1.26     | HI          | 1020      | 980                                        | 940  | 905  | 865  | 830  | 790  | 750  | ---  |      |
|                                                               |                                                  |      |          | MED         | 890       | 855                                        | 820  | 790  | 755  | 725  | 695  | 660  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 740       | 710                                        | 685  | 660  | 635  | 610  | 585  | 555  | ---  |      |
| 13*PHBC-4-31                                                  | 1/6 (two)                                        | 1550 | 0.80 Ea. | HI          | 1335      | 1290                                       | 1245 | 1200 | 1155 | 1105 | 1045 | 985  | 835  |      |
|                                                               |                                                  |      |          | MED         | 1205      | 1170                                       | 1135 | 1095 | 1050 | 1000 | 940  | 875  | 755  |      |
|                                                               |                                                  |      |          | LOW         | 1075      | 1040                                       | 1000 | 960  | 915  | 870  | 820  | 765  | 645  |      |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 277 Volt)   |                                                  |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
| 3*PHBC-41-32                                                  | 1/20                                             | 1100 | 0.48     | HI          | 275       | 245                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 225       | 200                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 185       | 155                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 4*PHBC-41-32                                                  | 1/15                                             | 1050 | 0.52     | HI          | 395       | 345                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 340       | 300                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 300       | 260                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 5*PHBC-41-32                                                  | 1/15                                             | 1050 | 0.52     | HI          | 465       | 405                                        | 365  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 365       | 325                                        | 280  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 305       | 270                                        | 235  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 6*PHBC-41-32                                                  | 1/12                                             | 1625 | 0.56     | HI          | 610       | 580                                        | 550  | 520  | 485  | 450  | 415  | 370  | ---  |      |
|                                                               |                                                  |      |          | MED         | 515       | 485                                        | 455  | 430  | 400  | 370  | 335  | 300  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 440       | 410                                        | 385  | 355  | 325  | 295  | 260  | 215  | ---  |      |
| 8*PHBC-41-32                                                  | 1/6                                              | 1550 | 0.80     | HI          | 805       | 775                                        | 740  | 710  | 675  | 640  | 605  | 570  | ---  |      |
|                                                               |                                                  |      |          | MED         | 665       | 635                                        | 605  | 575  | 550  | 520  | 490  | 460  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 560       | 530                                        | 505  | 475  | 450  | 425  | 400  | 370  | ---  |      |
| 10*PHBC-41-32                                                 | 1/4                                              | 1625 | 1.26     | HI          | 990       | 950                                        | 915  | 885  | 850  | 815  | 760  | 690  | ---  |      |
|                                                               |                                                  |      |          | MED         | 875       | 835                                        | 805  | 775  | 745  | 715  | 680  | 620  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 735       | 700                                        | 675  | 650  | 625  | 595  | 560  | 510  | ---  |      |
| 13*PHBC-41-32                                                 | 1/6 (two)                                        | 1550 | 0.80 Ea. | HI          | 1285      | 1240                                       | 1195 | 1150 | 1100 | 1045 | 990  | 925  | 795  |      |
|                                                               |                                                  |      |          | MED         | 1170      | 1130                                       | 1090 | 1050 | 1005 | 955  | 900  | 840  | 730  |      |
|                                                               |                                                  |      |          | LOW         | 1045      | 1010                                       | 975  | 940  | 895  | 845  | 795  | 735  | 625  |      |

### Notes:

1. Motors are 277v / 60Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. coil fins-per-inch varies to allow consistent air flow

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# BLOWER PERFORMANCE RHBC 277 VOLT PSC

| PSC MOTOR                                                     | RHBC (277 Volt)                                  |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
|---------------------------------------------------------------|--------------------------------------------------|------|----------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|
|                                                               | CFM vs EXTERNAL STATIC PRESSURE (3 ROW 277 Volt) |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
|                                                               | MODEL                                            | HP   | MAX RPM  | AMPS (277V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |
|                                                               |                                                  |      |          |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |
|                                                               | 3*RHBC-3                                         | 1/20 | 1100     | 0.48        | HI        | 290                                        | 260  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | MED       | 230                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | LOW       | 180                                        | 155  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               | 4*RHBC-3                                         | 1/15 | 1050     | 0.52        | HI        | 395                                        | 340  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | MED       | 345                                        | 295  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |                                                  |      |          |             | LOW       | 310                                        | 265  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 5*RHBC-3                                                      | 1/15                                             | 1050 | 0.52     | HI          | 500       | 460                                        | 415  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 385       | 350                                        | 310  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 330       | 295                                        | 260  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 6*RHBC-3                                                      | 1/12                                             | 1625 | 0.56     | HI          | 665       | 630                                        | 595  | 565  | 540  | 510  | 475  | 430  | ---  |      |
|                                                               |                                                  |      |          | MED         | 545       | 515                                        | 490  | 465  | 440  | 410  | 375  | 335  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 460       | 430                                        | 400  | 375  | 350  | 320  | 290  | 250  | ---  |      |
| 8*RHBC-3                                                      | 1/6                                              | 1550 | 0.80     | HI          | 850       | 820                                        | 790  | 760  | 725  | 685  | 645  | 605  | ---  |      |
|                                                               |                                                  |      |          | MED         | 695       | 665                                        | 640  | 610  | 585  | 555  | 525  | 490  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 575       | 550                                        | 525  | 500  | 470  | 445  | 420  | 395  | ---  |      |
| 10*RHBC-3                                                     | 1/4                                              | 1625 | 1.26     | HI          | 1040      | 1000                                       | 960  | 920  | 885  | 850  | 810  | 775  | ---  |      |
|                                                               |                                                  |      |          | MED         | 885       | 850                                        | 810  | 780  | 745  | 720  | 690  | 665  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 710       | 680                                        | 655  | 635  | 610  | 590  | 565  | 540  | ---  |      |
| 13*RHBC-3                                                     | 1/6 (two)                                        | 1550 | 0.80 Ea. | HI          | 1385      | 1340                                       | 1295 | 1250 | 1205 | 1155 | 1100 | 1040 | 905  |      |
|                                                               |                                                  |      |          | MED         | 1250      | 1210                                       | 1170 | 1130 | 1085 | 1040 | 985  | 930  | 765  |      |
|                                                               |                                                  |      |          | LOW         | 1110      | 1070                                       | 1030 | 990  | 945  | 900  | 850  | 800  | 675  |      |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 277 Volt) |                                                  |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
| 3*RHBC-4-31                                                   | 1/20                                             | 1100 | 0.48     | HI          | 280       | 255                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 230       | 200                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 185       | 160                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 4*RHBC-4-31                                                   | 1/15                                             | 1050 | 0.52     | HI          | 395       | 340                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 345       | 295                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 305       | 255                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 5*RHBC-4-31                                                   | 1/15                                             | 1050 | 0.52     | HI          | 500       | 455                                        | 405  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 380       | 340                                        | 305  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 330       | 295                                        | 260  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 6*RHBC-4-31                                                   | 1/12                                             | 1625 | 0.56     | HI          | 650       | 615                                        | 585  | 555  | 525  | 490  | 450  | 405  | ---  |      |
|                                                               |                                                  |      |          | MED         | 540       | 510                                        | 480  | 450  | 425  | 390  | 355  | 320  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 460       | 430                                        | 400  | 375  | 345  | 315  | 280  | 240  | ---  |      |
| 8*RHBC-4-31                                                   | 1/6                                              | 1550 | 0.80     | HI          | 825       | 790                                        | 760  | 725  | 685  | 650  | 610  | 570  | ---  |      |
|                                                               |                                                  |      |          | MED         | 670       | 640                                        | 615  | 585  | 560  | 530  | 495  | 465  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 560       | 530                                        | 500  | 475  | 445  | 420  | 395  | 365  | ---  |      |
| 10*RHBC-4-31                                                  | 1/4                                              | 1625 | 1.26     | HI          | 1020      | 980                                        | 940  | 905  | 865  | 830  | 790  | 750  | ---  |      |
|                                                               |                                                  |      |          | MED         | 890       | 855                                        | 820  | 790  | 755  | 725  | 685  | 660  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 740       | 710                                        | 685  | 660  | 635  | 610  | 585  | 555  | ---  |      |
| 13*RHBC-4-31                                                  | 1/6 (two)                                        | 1550 | 0.80 Ea. | HI          | 1335      | 1290                                       | 1245 | 1200 | 1155 | 1105 | 1045 | 985  | 835  |      |
|                                                               |                                                  |      |          | MED         | 1205      | 1170                                       | 1135 | 1095 | 1050 | 1000 | 940  | 875  | 755  |      |
|                                                               |                                                  |      |          | LOW         | 1075      | 1040                                       | 1000 | 960  | 915  | 870  | 820  | 765  | 645  |      |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 277 Volt)   |                                                  |      |          |             |           |                                            |      |      |      |      |      |      |      |      |
| 3*RHBC-41-32                                                  | 1/20                                             | 1100 | 0.48     | HI          | 275       | 245                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 225       | 200                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 185       | 155                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 4*RHBC-41-32                                                  | 1/15                                             | 1050 | 0.52     | HI          | 395       | 345                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 340       | 300                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 300       | 260                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 5*RHBC-41-32                                                  | 1/15                                             | 1050 | 0.52     | HI          | 465       | 415                                        | 365  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | MED         | 365       | 325                                        | 280  | ---  | ---  | ---  | ---  | ---  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 305       | 270                                        | 235  | ---  | ---  | ---  | ---  | ---  | ---  |      |
| 6*RHBC-41-32                                                  | 1/12                                             | 1625 | 0.56     | HI          | 610       | 580                                        | 550  | 520  | 485  | 450  | 415  | 370  | ---  |      |
|                                                               |                                                  |      |          | MED         | 515       | 485                                        | 455  | 430  | 400  | 370  | 335  | 300  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 440       | 410                                        | 385  | 355  | 325  | 295  | 260  | 215  | ---  |      |
| 8*RHBC-41-32                                                  | 1/6                                              | 1550 | 0.80     | HI          | 805       | 775                                        | 740  | 710  | 675  | 640  | 605  | 570  | ---  |      |
|                                                               |                                                  |      |          | MED         | 665       | 635                                        | 605  | 575  | 550  | 520  | 490  | 460  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 560       | 530                                        | 505  | 475  | 450  | 425  | 400  | 370  | ---  |      |
| 10*RHBC-41-32                                                 | 1/4                                              | 1625 | 1.26     | HI          | 990       | 950                                        | 915  | 885  | 850  | 815  | 760  | 690  | ---  |      |
|                                                               |                                                  |      |          | MED         | 875       | 835                                        | 805  | 775  | 745  | 715  | 680  | 620  | ---  |      |
|                                                               |                                                  |      |          | LOW         | 735       | 700                                        | 675  | 650  | 625  | 595  | 560  | 510  | ---  |      |
| 13*RHBC-41-32                                                 | 1/6 (two)                                        | 1550 | 0.80 Ea. | HI          | 1285      | 1240                                       | 1195 | 1150 | 1100 | 1045 | 990  | 925  | 795  |      |
|                                                               |                                                  |      |          | MED         | 1170      | 1130                                       | 1090 | 1050 | 1005 | 955  | 900  | 840  | 730  |      |
|                                                               |                                                  |      |          | LOW         | 1045      | 1010                                       | 975  | 940  | 895  | 845  | 795  | 735  | 625  |      |

## Notes:

1. Motors are 277v / 60Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. coil fins-per-inch varies to allow consistent air flow

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# BLOWER PERFORMANCE HBC 220 VOLT/ 50Hz PSC

| PSC MOTOR                                                     | HBC (220 Volt / 50Hz)                            |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
|---------------------------------------------------------------|--------------------------------------------------|-----------|----------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|-----|
|                                                               | CFM vs EXTERNAL STATIC PRESSURE (3 ROW 220 Volt) |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
|                                                               | MODEL                                            | HP        | MAX RPM  | AMPS (220V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |     |
|                                                               |                                                  |           |          |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |     |
|                                                               | 3"HBC-3                                          | 1/20      | 1075     | 0.40        | HI        | 240                                        | 220  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 205                                        | 175  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | LOW       | 155                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               | 4"HBC-3                                          | 1/12      | 1050     | 0.55        | HI        | 470                                        | 430  | 390  | 335  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 380                                        | 340  | 300  | 250  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 310                                        | 265  | 220  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               | 5"HBC-3                                          | 1/12      | 1050     | 0.55        | HI        | 455                                        | 405  | 355  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 365                                        | 325  | 275  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 285                                        | 245  | 210  | ---  | ---  | ---  | ---  | ---  | ---  | --- |
|                                                               | 6"HBC-3                                          | 1/5       | 1550     | 1.02        | HI        | 675                                        | 630  | 585  | 540  | 495  | 450  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 570                                        | 530  | 495  | 455  | 415  | 365  | ---  | ---  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 490                                        | 455  | 415  | 370  | 320  | 265  | ---  | ---  | ---  | --- |
|                                                               | 8"HBC-3                                          | 1/5       | 1550     | 1.02        | HI        | 860                                        | 825  | 790  | 750  | 715  | 675  | 630  | ---  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 630                                        | 610  | 585  | 560  | 535  | 500  | 455  | ---  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 435                                        | 415  | 400  | 375  | 350  | 320  | ---  | ---  | ---  | --- |
|                                                               | 10"HBC-3                                         | 1/4       | 1625     | 1.53        | HI        | 1080                                       | 1025 | 975  | 915  | 860  | 795  | 735  | 665  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 850                                        | 815  | 775  | 735  | 685  | 635  | 575  | 520  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 675                                        | 645  | 615  | 580  | 540  | 500  | 455  | 410  | ---  | --- |
|                                                               | 13"HBC-3                                         | 1/5 (two) | 1550     | 1.02 Ea.    | HI        | 1355                                       | 1295 | 1225 | 1160 | 1100 | 1030 | 955  | 865  | ---  |     |
|                                                               |                                                  |           |          |             | MED       | 1165                                       | 1115 | 1070 | 1020 | 965  | 895  | 810  | 710  | ---  | --- |
|                                                               |                                                  |           |          |             | LOW       | 890                                        | 865  | 830  | 795  | 745  | 690  | 615  | 520  | ---  | --- |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 220 Volt) |                                                  |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
| 3"HBC-4-31                                                    | 1/20                                             | 1075      | 0.40     | HI          | 240       | 215                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | MED         | 205       | 180                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 160       | ---                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 4"HBC-4-31                                                    | 1/12                                             | 1050      | 0.55     | HI          | 460       | 425                                        | 390  | 345  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 380       | 345                                        | 300  | 255  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 305       | 265                                        | 225  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 5"HBC-4-31                                                    | 1/12                                             | 1050      | 0.55     | HI          | 440       | 395                                        | 345  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 360       | 320                                        | 275  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 310       | 245                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 6"HBC-4-31                                                    | 1/5                                              | 1550      | 1.02     | HI          | 665       | 620                                        | 575  | 535  | 490  | 440  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 575       | 535                                        | 495  | 460  | 420  | 370  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 485       | 450                                        | 415  | 370  | 310  | 250  | ---  | ---  | ---  | ---  |     |
| 8"HBC-4-31                                                    | 1/5                                              | 1550      | 1.02     | HI          | 810       | 765                                        | 725  | 690  | 650  | 610  | 565  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 615       | 585                                        | 560  | 530  | 495  | 460  | 415  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 420       | 400                                        | 385  | 365  | 340  | 300  | ---  | ---  | ---  | ---  |     |
| 10"HBC-4-31                                                   | 1/4                                              | 1625      | 1.53     | HI          | 1015      | 965                                        | 915  | 865  | 815  | 760  | 700  | 640  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 875       | 840                                        | 805  | 765  | 720  | 670  | 615  | 555  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 730       | 695                                        | 665  | 625  | 585  | 540  | 475  | 390  | ---  | ---  |     |
| 13"HBC-4-31                                                   | 1/5 (two)                                        | 1550      | 1.02 Ea. | HI          | 1240      | 1185                                       | 1125 | 1065 | 1000 | 920  | 830  | 730  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 1085      | 1035                                       | 990  | 930  | 860  | 775  | 680  | 590  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 860       | 830                                        | 795  | 745  | 685  | 610  | 525  | 440  | ---  | ---  |     |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 220 Volt)   |                                                  |           |          |             |           |                                            |      |      |      |      |      |      |      |      |     |
| 3"HBC-41-32                                                   | 1/20                                             | 1075      | 0.40     | HI          | 235       | 210                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | MED         | 200       | 170                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 160       | ---                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 4"HBC-41-32                                                   | 1/12                                             | 1050      | 0.55     | HI          | 450       | 410                                        | 370  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 365       | 325                                        | 290  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 295       | 255                                        | 220  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 5"HBC-41-32                                                   | 1/12                                             | 1050      | 0.55     | HI          | 425       | 375                                        | 325  | ---  | ---  | ---  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 350       | 305                                        | 260  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 280       | 240                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |     |
| 6"HBC-41-32                                                   | 1/5                                              | 1550      | 1.02     | HI          | 605       | 570                                        | 535  | 495  | 450  | 395  | ---  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 535       | 500                                        | 465  | 425  | 385  | 330  | ---  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 460       | 420                                        | 380  | 345  | 300  | ---  | ---  | ---  | ---  | ---  |     |
| 8"HBC-41-32                                                   | 1/5                                              | 1550      | 1.02     | HI          | 805       | 760                                        | 720  | 680  | 645  | 610  | 565  | ---  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 620       | 590                                        | 560  | 530  | 495  | 460  | 420  | ---  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 425       | 405                                        | 390  | 365  | 340  | 305  | ---  | ---  | ---  | ---  |     |
| 10"HBC-41-32                                                  | 1/4                                              | 1625      | 1.53     | HI          | 985       | 940                                        | 895  | 850  | 790  | 725  | 645  | 555  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 875       | 835                                        | 795  | 755  | 710  | 650  | 580  | 485  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 715       | 690                                        | 660  | 625  | 580  | 535  | 490  | 450  | ---  | ---  |     |
| 13"HBC-41-32                                                  | 1/5 (two)                                        | 1550      | 1.02 Ea. | HI          | 1195      | 1140                                       | 1085 | 1025 | 960  | 885  | 795  | 690  | ---  |      |     |
|                                                               |                                                  |           |          | MED         | 1060      | 1010                                       | 955  | 900  | 830  | 750  | 660  | 555  | ---  | ---  |     |
|                                                               |                                                  |           |          | LOW         | 835       | 805                                        | 770  | 720  | 665  | 590  | 510  | 415  | ---  | ---  |     |

## Notes:

1. Motors are 220v / 50Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. coil fins-per-inch varies to allow consistent air flow

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE PHBC 220 VOLT/ 50Hz PSC

| PSC MOTOR | PHBC (220 Volt / 50Hz)                                        |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
|-----------|---------------------------------------------------------------|-----------|---------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|
|           | CFM vs EXTERNAL STATIC PRESSURE (3 ROW 220 Volt)              |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
|           | MODEL                                                         | HP        | MAX RPM | AMPS (220V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |
|           |                                                               |           |         |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |
|           |                                                               |           |         |             |           | HI                                         | HI   | HI   | HI   | HI   | HI   | HI   | HI   | HI   |
| PSC MOTOR | 3*PHBC-3                                                      | 1/20      | 1075    | 0.40        | MED       | 230                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 195                                        | 160  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 150                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 4*PHBC-3                                                      | 1/12      | 1050    | 0.55        | MED       | 420                                        | 380  | 335  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 350                                        | 305  | 265  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 275                                        | 240  | 200  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 5*PHBC-3                                                      | 1/12      | 1050    | 0.55        | MED       | 410                                        | 365  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 340                                        | 295  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 270                                        | 230  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 6*PHBC-3                                                      | 1/5       | 1550    | 1.02        | MED       | 585                                        | 540  | 500  | 455  | 410  | ---  | ---  | ---  | ---  |
| PSC MOTOR |                                                               |           |         |             | LOW       | 520                                        | 480  | 440  | 400  | 350  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 455                                        | 415  | 375  | 325  | 275  | ---  | ---  | ---  | ---  |
|           | 8*PHBC-3                                                      | 1/5       | 1550    | 1.02        | MED       | 795                                        | 750  | 700  | 660  | 620  | 580  | 535  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 605                                        | 580  | 555  | 530  | 500  | 460  | 410  | ---  | ---  |
|           |                                                               |           |         |             |           | 425                                        | 405  | 390  | 365  | 340  | ---  | ---  | ---  | ---  |
|           | 10*PHBC-3                                                     | 1/4       | 1625    | 1.53        | MED       | 920                                        | 865  | 810  | 755  | 700  | 650  | 595  | 545  | ---  |
|           |                                                               |           |         |             | LOW       | 825                                        | 775  | 730  | 680  | 635  | 585  | 540  | 490  | ---  |
|           |                                                               |           |         |             |           | 685                                        | 640  | 605  | 570  | 535  | 495  | 440  | 365  | ---  |
|           | 13*PHBC-3                                                     | 1/5 (two) | 1550    | 1.02 Ea.    | MED       | 1165                                       | 1110 | 1055 | 1000 | 935  | 860  | 775  | 680  | ---  |
|           |                                                               |           |         |             | LOW       | 1050                                       | 1000 | 945  | 890  | 825  | 760  | 680  | 580  | ---  |
| PSC MOTOR |                                                               |           |         |             |           | 855                                        | 815  | 775  | 730  | 680  | 625  | 555  | 465  | ---  |
|           | CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 220 Volt) |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
|           | 3*PHBC-4 -31                                                  | 1/20      | 1075    | 0.40        | MED       | 225                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 190                                        | 165  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 150                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 4*PHBC-4 -31                                                  | 1/12      | 1050    | 0.55        | MED       | 405                                        | 370  | 330  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 340                                        | 310  | 275  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 275                                        | 240  | 200  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 5*PHBC-4 -31                                                  | 1/12      | 1050    | 0.55        | MED       | 410                                        | 365  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 330                                        | 290  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| PSC MOTOR |                                                               |           |         |             |           | 270                                        | 225  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 6*PHBC-4 -31                                                  | 1/5       | 1550    | 1.02        | MED       | 585                                        | 545  | 505  | 460  | 410  | 355  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 520                                        | 480  | 440  | 395  | 345  | 295  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 455                                        | 415  | 370  | 325  | 280  | 225  | ---  | ---  | ---  |
|           | 8*PHBC-4 -31                                                  | 1/5       | 1550    | 1.02        | MED       | 745                                        | 705  | 665  | 625  | 580  | 535  | 485  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 590                                        | 560  | 535  | 500  | 465  | 420  | 370  | ---  | ---  |
|           |                                                               |           |         |             |           | 415                                        | 395  | 375  | 355  | 325  | 285  | 240  | ---  | ---  |
|           | 10*PHBC-4 -31                                                 | 1/4       | 1625    | 1.53        | MED       | 865                                        | 815  | 770  | 725  | 675  | 625  | 570  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 785                                        | 735  | 695  | 650  | 610  | 570  | 520  | ---  | ---  |
|           |                                                               |           |         |             |           | 665                                        | 630  | 595  | 560  | 520  | 475  | 420  | ---  | ---  |
| PSC MOTOR | 13*PHBC-4 -31                                                 | 1/5 (two) | 1550    | 1.02 Ea.    | MED       | 1080                                       | 1020 | 965  | 905  | 835  | 760  | 670  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 985                                        | 930  | 870  | 810  | 745  | 665  | 585  | ---  | ---  |
|           |                                                               |           |         |             |           | 825                                        | 785  | 740  | 685  | 625  | 555  | 475  | ---  | ---  |
|           | CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 220 Volt)   |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
|           | 3*PHBC-41 -32                                                 | 1/20      | 1075    | 0.40        | MED       | 225                                        | 195  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 190                                        | 160  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 145                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 4*PHBC-41 -32                                                 | 1/12      | 1050    | 0.55        | MED       | 395                                        | 355  | 315  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 330                                        | 295  | 260  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 260                                        | 215  | 170  | ---  | ---  | ---  | ---  | ---  | ---  |
| PSC MOTOR | 5*PHBC-41 -32                                                 | 1/12      | 1050    | 0.55        | MED       | 395                                        | 345  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 325                                        | 285  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 265                                        | 225  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|           | 6*PHBC-41 -32                                                 | 1/5       | 1550    | 1.02        | MED       | 535                                        | 495  | 460  | 415  | 370  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 485                                        | 445  | 405  | 365  | 320  | ---  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 430                                        | 390  | 350  | 305  | 260  | ---  | ---  | ---  | ---  |
|           | 8*PHBC-41 -32                                                 | 1/5       | 1550    | 1.02        | MED       | 740                                        | 700  | 660  | 615  | 575  | 525  | ---  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 590                                        | 560  | 530  | 500  | 470  | 430  | ---  | ---  | ---  |
|           |                                                               |           |         |             |           | 420                                        | 400  | 380  | 360  | 330  | 300  | ---  | ---  | ---  |
|           | 10*PHBC-41 -32                                                | 1/4       | 1625    | 1.53        | MED       | 850                                        | 800  | 755  | 705  | 655  | 600  | 540  | ---  | ---  |
| PSC MOTOR |                                                               |           |         |             | LOW       | 785                                        | 735  | 680  | 635  | 590  | 545  | 490  | ---  | ---  |
|           |                                                               |           |         |             |           | 660                                        | 615  | 575  | 540  | 505  | 465  | 410  | ---  | ---  |
|           | 13*PHBC-41 -32                                                | 1/5 (two) | 1550    | 1.02 Ea.    | MED       | 1030                                       | 975  | 920  | 860  | 790  | 715  | 630  | ---  | ---  |
|           |                                                               |           |         |             | LOW       | 950                                        | 895  | 835  | 775  | 705  | 630  | 550  | ---  | ---  |
|           |                                                               |           |         |             |           | 800                                        | 755  | 705  | 650  | 595  | 530  | 455  | ---  | ---  |

### Notes:

1. Motors are 220v / 50Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. coil fins-per-inch varies to allow consistent air flow

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# BLOWER PERFORMANCE RHBC 220 VOLT/ 50Hz PSC

| RHBC (220 Volt / 50Hz)                                        |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
|---------------------------------------------------------------|-----------|---------|-------------|-----------|--------------------------------------------|------|------|------|------|------|------|------|------|
| CFM vs EXTERNAL STATIC PRESSURE (3 ROW 220 Volt)              |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
| MODEL                                                         | HP        | MAX RPM | AMPS (220V) | FAN SPEED | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |      |
|                                                               |           |         |             |           | 0.05                                       | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.50 |
| 3*RHBC-3                                                      | 1/20      | 1075    | 0.40        | HI        | 230                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 195                                        | 160  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 150                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 4*RHBC-3                                                      | 1/12      | 1050    | 0.55        | HI        | 420                                        | 380  | 335  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 350                                        | 305  | 265  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 275                                        | 240  | 200  | ---  | ---  | ---  | ---  | ---  | ---  |
| 5*RHBC-3                                                      | 1/12      | 1050    | 0.55        | HI        | 410                                        | 365  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 340                                        | 295  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 270                                        | 230  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 6*RHBC-3                                                      | 1/5       | 1550    | 1.02        | HI        | 585                                        | 540  | 500  | 455  | 410  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 520                                        | 480  | 440  | 400  | 350  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 455                                        | 415  | 375  | 325  | 275  | ---  | ---  | ---  | ---  |
| 8*RHBC-3                                                      | 1/5       | 1550    | 1.02        | HI        | 795                                        | 750  | 700  | 660  | 620  | 580  | 535  | ---  | ---  |
|                                                               |           |         |             | MED       | 605                                        | 580  | 555  | 530  | 500  | 460  | 410  | ---  | ---  |
|                                                               |           |         |             | LOW       | 425                                        | 405  | 390  | 365  | 340  | ---  | ---  | ---  | ---  |
| 10*RHBC-3                                                     | 1/4       | 1625    | 1.53        | HI        | 920                                        | 865  | 810  | 755  | 700  | 650  | 595  | 545  | ---  |
|                                                               |           |         |             | MED       | 825                                        | 775  | 730  | 680  | 635  | 585  | 540  | 490  | ---  |
|                                                               |           |         |             | LOW       | 685                                        | 640  | 605  | 570  | 535  | 495  | 440  | 365  | ---  |
| 13*RHBC-3                                                     | 1/5 (two) | 1550    | 1.02 Ea.    | HI        | 1165                                       | 1110 | 1055 | 1000 | 935  | 860  | 775  | 680  | ---  |
|                                                               |           |         |             | MED       | 1050                                       | 1000 | 945  | 890  | 825  | 760  | 680  | 580  | ---  |
|                                                               |           |         |             | LOW       | 855                                        | 815  | 775  | 730  | 680  | 625  | 555  | 465  | ---  |
| CFM vs EXTERNAL STATIC PRESSURE (4 ROW or 3/1 Split 220 Volt) |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
| 3*RHBC-4-31                                                   | 1/20      | 1075    | 0.40        | HI        | 225                                        | 200  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 190                                        | 165  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 150                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 4*RHBC-4-31                                                   | 1/12      | 1050    | 0.55        | HI        | 405                                        | 370  | 330  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 340                                        | 310  | 275  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 275                                        | 240  | 200  | ---  | ---  | ---  | ---  | ---  | ---  |
| 5*RHBC-4-31                                                   | 1/12      | 1050    | 0.55        | HI        | 410                                        | 365  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 330                                        | 290  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 270                                        | 225  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 6*RHBC-4-31                                                   | 1/5       | 1550    | 1.02        | HI        | 585                                        | 545  | 505  | 460  | 410  | 355  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 520                                        | 480  | 440  | 395  | 345  | 295  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 455                                        | 415  | 370  | 325  | 280  | 225  | ---  | ---  | ---  |
| 8*RHBC-4-31                                                   | 1/5       | 1550    | 1.02        | HI        | 745                                        | 705  | 665  | 625  | 580  | 535  | 485  | ---  | ---  |
|                                                               |           |         |             | MED       | 590                                        | 560  | 535  | 500  | 465  | 420  | 370  | ---  | ---  |
|                                                               |           |         |             | LOW       | 415                                        | 395  | 375  | 355  | 325  | 285  | 240  | ---  | ---  |
| 10*RHBC-4-31                                                  | 1/4       | 1625    | 1.53        | HI        | 865                                        | 815  | 770  | 725  | 675  | 625  | 570  | ---  | ---  |
|                                                               |           |         |             | MED       | 785                                        | 735  | 695  | 650  | 610  | 570  | 520  | ---  | ---  |
|                                                               |           |         |             | LOW       | 665                                        | 630  | 595  | 560  | 520  | 475  | 420  | ---  | ---  |
| 13*RHBC-4-31                                                  | 1/5 (two) | 1550    | 1.02 Ea.    | HI        | 1080                                       | 1020 | 965  | 905  | 835  | 760  | 670  | ---  | ---  |
|                                                               |           |         |             | MED       | 985                                        | 930  | 870  | 810  | 745  | 665  | 585  | ---  | ---  |
|                                                               |           |         |             | LOW       | 825                                        | 785  | 740  | 685  | 625  | 555  | 475  | ---  | ---  |
| CFM vs EXTERNAL STATIC PRESSURE (4/1 or 3/2 Split 220 Volt)   |           |         |             |           |                                            |      |      |      |      |      |      |      |      |
| 3*RHBC-41-32                                                  | 1/20      | 1075    | 0.40        | HI        | 225                                        | 195  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 190                                        | 160  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 145                                        | ---  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 4*RHBC-41-32                                                  | 1/12      | 1050    | 0.55        | HI        | 395                                        | 355  | 315  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 330                                        | 295  | 260  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 260                                        | 215  | 170  | ---  | ---  | ---  | ---  | ---  | ---  |
| 5*RHBC-41-32                                                  | 1/12      | 1050    | 0.55        | HI        | 395                                        | 345  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 325                                        | 285  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 265                                        | 225  | ---  | ---  | ---  | ---  | ---  | ---  | ---  |
| 6*RHBC-41-32                                                  | 1/5       | 1550    | 1.02        | HI        | 535                                        | 495  | 460  | 415  | 370  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 485                                        | 445  | 405  | 365  | 320  | ---  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 430                                        | 390  | 350  | 305  | 260  | ---  | ---  | ---  | ---  |
| 8*RHBC-41-32                                                  | 1/5       | 1550    | 1.02        | HI        | 740                                        | 700  | 660  | 615  | 575  | 525  | ---  | ---  | ---  |
|                                                               |           |         |             | MED       | 590                                        | 560  | 530  | 500  | 470  | 430  | ---  | ---  | ---  |
|                                                               |           |         |             | LOW       | 420                                        | 400  | 380  | 360  | 330  | 300  | ---  | ---  | ---  |
| 10*RHBC-41-32                                                 | 1/4       | 1625    | 1.53        | HI        | 850                                        | 800  | 755  | 705  | 655  | 600  | 540  | ---  | ---  |
|                                                               |           |         |             | MED       | 785                                        | 735  | 680  | 635  | 590  | 545  | 490  | ---  | ---  |
|                                                               |           |         |             | LOW       | 660                                        | 615  | 575  | 540  | 505  | 465  | 410  | ---  | ---  |
| 13*RHBC-41-32                                                 | 1/5 (two) | 1550    | 1.02 Ea.    | HI        | 1030                                       | 975  | 920  | 860  | 790  | 715  | 630  | ---  | ---  |
|                                                               |           |         |             | MED       | 950                                        | 895  | 835  | 775  | 705  | 630  | 550  | ---  | ---  |
|                                                               |           |         |             | LOW       | 800                                        | 755  | 705  | 650  | 595  | 530  | 455  | ---  | ---  |

## Notes:

1. Motors are 220v / 50Hz, high efficiency PSC type
2. Maximum HACR breaker is 15 amp
3. coil fins-per-inch varies to allow consistent air flow

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE CHBC (ALL) PSC

| PSC MOTOR                            | CHBC (120 Volt)               |              |             |                  |                      |                      |
|--------------------------------------|-------------------------------|--------------|-------------|------------------|----------------------|----------------------|
|                                      | (3 ROW 120 Volt)              |              |             |                  |                      |                      |
|                                      | MODEL                         | HP           | MAX RPM     | AMPS (120V)      | FAN SPEED            | CFM                  |
|                                      | 3*CHBC-3                      | 1/20         | 1050        | .09              | HI<br>MED<br>LOW     | 300<br>245<br>210    |
|                                      | 4*CHBC-3                      | 1/12         | 1050        | 1.1              | HI<br>MED<br>LOW     | 480<br>375<br>325    |
|                                      | 5*CHBC-3                      | 1/12         | 1050        | 1.3              | HI<br>MED<br>LOW     | 560<br>465<br>345    |
|                                      | 6*CHBC-3                      | 1/8          | 1550        | 1.9              | HI<br>MED<br>LOW     | 730<br>650<br>550    |
|                                      | 8*CHBC-3                      | 1/5          | 1550        | 3.0              | HI<br>MED<br>LOW     | 920<br>750<br>605    |
|                                      | 10*CHBC-3                     | 1/4          | 1550        | 3.6              | HI<br>MED<br>LOW     | 1145<br>930<br>795   |
|                                      | 13*CHBC-3                     | 1/5<br>(two) | 1550        | 2.3<br>Ea.       | HI<br>MED<br>LOW     | 1500<br>1320<br>1160 |
|                                      | (4 ROW or 3/1 Split 120 Volt) |              |             |                  |                      |                      |
|                                      | 3*CHBC-4<br>-31               | 1/20         | 1050        | 0.9              | HI<br>MED<br>LOW     | 280<br>230<br>195    |
|                                      | 4*CHBC-4<br>-31               | 1/12         | 1050        | 1.1              | HI<br>MED<br>LOW     | 450<br>370<br>320    |
|                                      | 5*CHBC-4<br>-31               | 1/12         | 1050        | 1.3              | HI<br>MED<br>LOW     | 550<br>455<br>340    |
|                                      | 6*CHBC-4<br>-31               | 1/8          | 1550        | 1.9              | HI<br>MED<br>LOW     | 710<br>615<br>535    |
| 8*CHBC-4<br>-31                      | 1/5                           | 1550         | 3.0         | HI<br>MED<br>LOW | 885<br>730<br>595    |                      |
| 10*CHBC-4<br>-31                     | 1/4                           | 1550         | 3.6         | HI<br>MED<br>LOW | 1110<br>915<br>770   |                      |
| 13*CHBC-4<br>-31                     | 1/5<br>(two)                  | 1550         | 2.3<br>Ea.  | HI<br>MED<br>LOW | 1450<br>1270<br>1130 |                      |
| (4/1 or 3/2 Split 120 Volt)          |                               |              |             |                  |                      |                      |
| 3*CHBC-41<br>-32                     | 1/20                          | 1050         | 0.9         | HI<br>MED<br>LOW | 270<br>225<br>190    |                      |
| 4*CHBC-41<br>-32                     | 1/12                          | 1050         | 1.1         | HI<br>MED<br>LOW | 420<br>355<br>305    |                      |
| 5*CHBC-41<br>-32                     | 1/12                          | 1050         | 1.3         | HI<br>MED<br>LOW | 520<br>440<br>325    |                      |
| 6*CHBC-41<br>-32                     | 1/8                           | 1550         | 1.9         | HI<br>MED<br>LOW | 625<br>520<br>440    |                      |
| 8*CHBC-41<br>-32                     | 1/5                           | 1550         | 3.0         | HI<br>MED<br>LOW | 875<br>725<br>615    |                      |
| 10*CHBC-41<br>-32                    | 1/4                           | 1550         | 3.6         | HI<br>MED<br>LOW | 1075<br>900<br>765   |                      |
| 13*CHBC-41<br>-32                    | 1/5<br>(two)                  | 1550         | 2.3<br>Ea.  | HI<br>MED<br>LOW | 1420<br>1315<br>1160 |                      |
| CHBC (277 Volt)                      |                               |              |             |                  |                      |                      |
| (3 ROW 277 Volt)                     |                               |              |             |                  |                      |                      |
| MODEL                                | HP                            | MAX RPM      | AMPS (120V) | FAN SPEED        | CFM                  |                      |
| 3*CHBC-3                             | 1/20                          | 1100         | 0.48        | HI<br>MED<br>LOW | 285<br>220<br>160    |                      |
| 4*CHBC-3                             | 1/15                          | 105          | 0.52        | HI<br>MED<br>LOW | 450<br>365<br>315    |                      |
| 5*CHBC-3                             | 1/15                          | 1050         | 0.52        | HI<br>MED<br>LOW | 535<br>375<br>305    |                      |
| 6*CHBC-3                             | 1/12                          | 1625         | 0.56        | HI<br>MED<br>LOW | 670<br>545<br>455    |                      |
| 8*CHBC-3                             | 1/6                           | 1550         | 0.80        | HI<br>MED<br>LOW | 880<br>700<br>585    |                      |
| 10*CHBC-3                            | 1/4                           | 1625         | 1.26        | HI<br>MED<br>LOW | 1140<br>920<br>755   |                      |
| 13*CHBC-3                            | 1/6<br>(two)                  | 1550         | 0.80<br>Ea. | HI<br>MED<br>LOW | 1535<br>1340<br>1140 |                      |
| (4 ROW or 3/1 Split 277 Volt)        |                               |              |             |                  |                      |                      |
| 3*CHBC-4<br>-31                      | 1/20                          | 1100         | 0.48        | HI<br>MED<br>LOW | 270<br>215<br>175    |                      |
| 4*CHBC-4<br>-31                      | 1/15                          | 1050         | 0.52        | HI<br>MED<br>LOW | 435<br>355<br>315    |                      |
| 5*CHBC-4<br>-31                      | 1/15                          | 1050         | 0.52        | HI<br>MED<br>LOW | 525<br>360<br>300    |                      |
| 6*CHBC-4<br>-31                      | 1/12                          | 1625         | 0.56        | HI<br>MED<br>LOW | 665<br>540<br>445    |                      |
| 8*CHBC-4<br>-31                      | 1/6                           | 1550         | 0.80        | HI<br>MED<br>LOW | 835<br>680<br>555    |                      |
| 10*CHBC-4<br>-31                     | 1/4                           | 1625         | 1.26        | HI<br>MED<br>LOW | 1100<br>890<br>745   |                      |
| 13*CHBC-4<br>-31                     | 1/56<br>(two)                 | 1550         | 0.80<br>Ea. | HI<br>MED<br>LOW | 1465<br>1280<br>1110 |                      |
| (4/1 or 3/2 Split 277 Volt)          |                               |              |             |                  |                      |                      |
| 3*CHBC-41<br>-32                     | 1/20                          | 1100         | 0.48        | HI<br>MED<br>LOW | 265<br>210<br>160    |                      |
| 4*CHBC-41<br>-32                     | 1/15                          | 1050         | 0.52        | HI<br>MED<br>LOW | 440<br>355<br>315    |                      |
| 5*CHBC-41<br>-32                     | 1/15                          | 1050         | 0.52        | HI<br>MED<br>LOW | 480<br>350<br>285    |                      |
| 6*CHBC-41<br>-32                     | 1/12                          | 1625         | 0.56        | HI<br>MED<br>LOW | 630<br>510<br>430    |                      |
| 8*CHBC-41<br>-32                     | 1/6                           | 1550         | 0.80        | HI<br>MED<br>LOW | 830<br>660<br>550    |                      |
| 10*CHBC-41<br>-32                    | 1/4                           | 1625         | 1.26        | HI<br>MED<br>LOW | 1065<br>905<br>750   |                      |
| 13*CHBC-41<br>-32                    | 1/6<br>(two)                  | 1550         | 0.80<br>Ea. | HI<br>MED<br>LOW | 1415<br>1245<br>1090 |                      |
| CHBC (220 Volt / 50Hz)               |                               |              |             |                  |                      |                      |
| (3 ROW 220 Volt / 50Hz)              |                               |              |             |                  |                      |                      |
| MODEL                                | HP                            | MAX RPM      | AMPS (120V) | FAN SPEED        | CFM                  |                      |
| 3*CHBC-3                             | 1/20                          | 1075         | 0.40        | HI<br>MED<br>LOW | 225<br>175<br>125    |                      |
| 4*CHBC-3                             | 1/12                          | 1050         | 0.55        | HI<br>MED<br>LOW | 430<br>340<br>265    |                      |
| 5*CHBC-3                             | 1/12                          | 1050         | 0.55        | HI<br>MED<br>LOW | 405<br>325<br>245    |                      |
| 6*CHBC-3                             | 1/5                           | 1550         | 1.02        | HI<br>MED<br>LOW | 630<br>530<br>455    |                      |
| 8*CHBC-3                             | 1/5                           | 1550         | 1.02        | HI<br>MED<br>LOW | 825<br>610<br>415    |                      |
| 10*CHBC-3                            | 1/4                           | 1625         | 1.53        | HI<br>MED<br>LOW | 1025<br>815<br>645   |                      |
| 13*CHBC-3                            | 1/5<br>(two)                  | 1550         | 1.02<br>Ea. | HI<br>MED<br>LOW | 1295<br>1115<br>865  |                      |
| (4 ROW or 3/1 Split 220 Volt / 50Hz) |                               |              |             |                  |                      |                      |
| 3*CHBC-4<br>-31                      | 1/20                          | 1075         | 0.40        | HI<br>MED<br>LOW | 225<br>180<br>130    |                      |
| 4*CHBC-4<br>-31                      | 1/12                          | 1050         | 0.55        | HI<br>MED<br>LOW | 425<br>345<br>265    |                      |
| 5*CHBC-4<br>-31                      | 1/12                          | 1050         | 0.55        | HI<br>MED<br>LOW | 395<br>320<br>245    |                      |
| 6*CHBC-4<br>-31                      | 1/5                           | 1550         | 1.02        | HI<br>MED<br>LOW | 620<br>535<br>450    |                      |
| 8*CHBC-4<br>-31                      | 1/5                           | 1550         | 1.02        | HI<br>MED<br>LOW | 765<br>585<br>400    |                      |
| 10*CHBC-4<br>-31                     | 1/4                           | 1625         | 1.53        | HI<br>MED<br>LOW | 965<br>840<br>695    |                      |
| 13*CHBC-4<br>-31                     | 1/5<br>(two)                  | 1550         | 1.02<br>Ea. | HI<br>MED<br>LOW | 1185<br>1035<br>830  |                      |
| (4/1 or 3/2 Split 220 Volt / 50Hz)   |                               |              |             |                  |                      |                      |
| 3*CHBC-41<br>-32                     | 1/20                          | 1075         | 0.40        | HI<br>MED<br>LOW | 225<br>175<br>125    |                      |
| 4*CHBC-41<br>-32                     | 1/12                          | 1050         | 0.55        | HI<br>MED<br>LOW | 410<br>325<br>255    |                      |
| 5*CHBC-41<br>-32                     | 1/12                          | 1050         | 0.55        | HI<br>MED<br>LOW | 375<br>305<br>240    |                      |
| 6*CHBC-41<br>-32                     | 1/5                           | 1550         | 1.02        | HI<br>MED<br>LOW | 570<br>500<br>420    |                      |
| 8*CHBC-41<br>-32                     | 1/5                           | 1550         | 1.02        | HI<br>MED<br>LOW | 760<br>590<br>405    |                      |
| 10*CHBC-41<br>-32                    | 1/4                           | 1625         | 1.53        | HI<br>MED<br>LOW | 940<br>835<br>690    |                      |
| 13*CHBC-41<br>-32                    | 1/5<br>(two)                  | 1550         | 1.02<br>Ea. | HI<br>MED<br>LOW | 1140<br>1000<br>805  |                      |

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE HBCX 120V ECM

| ECM MOTOR                                                                     | 115V/1/60 ECM MOTOR HBCX SERIES (CONCEALED) - CFM vs ESP (3-ROW) |               |               |                                            |                                            |      |      |      |      |      |      |     |
|-------------------------------------------------------------------------------|------------------------------------------------------------------|---------------|---------------|--------------------------------------------|--------------------------------------------|------|------|------|------|------|------|-----|
|                                                                               | MODEL                                                            | HP            | AMPS/<br>120V | SPEED<br>TAP                               | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |     |
|                                                                               |                                                                  |               |               |                                            | 0.1                                        | 0.15 | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5 |
|                                                                               | 4"HBCX-3                                                         | 1/7           | 1.4           | White                                      | 480                                        | 455  | 430  | 405  | 380  | 355  | 330  | *   |
|                                                                               |                                                                  |               |               | Green                                      | 400                                        | 365  | 330  | 305  | 280  | 250  | 220  | *   |
|                                                                               |                                                                  |               |               | Orange                                     | 350                                        | 315  | 280  | 250  | 220  | 195  | 170  | *   |
|                                                                               |                                                                  |               |               | Yellow                                     | 280                                        | 235  | 190  | 155  | 120  | *    | *    | *   |
|                                                                               | 6"HBCX-3                                                         | 1/7           | 2.5           | White                                      | 690                                        | 670  | 650  | 635  | 620  | 600  | 580  | *   |
|                                                                               |                                                                  |               |               | Green                                      | 660                                        | 635  | 610  | 580  | 550  | 540  | 530  | *   |
|                                                                               |                                                                  |               |               | Orange                                     | 570                                        | 545  | 520  | 500  | 480  | 455  | 430  | *   |
| Yellow                                                                        |                                                                  |               |               | 480                                        | 455                                        | 430  | 410  | 390  | 365  | 340  | *    |     |
| 8"HBCX-3                                                                      | 1/2                                                              | 4.6           | Green         | 980                                        | 945                                        | 910  | 890  | 870  | 845  | 820  | 720  |     |
|                                                                               |                                                                  |               | Orange        | 800                                        | 780                                        | 760  | 745  | 730  | 715  | 700  | 660  |     |
|                                                                               |                                                                  |               | Yellow        | 680                                        | 660                                        | 640  | 620  | 600  | 580  | 560  | 530  |     |
|                                                                               |                                                                  |               | Red           | 530                                        | 510                                        | 490  | 470  | 450  | 430  | 410  | 360  |     |
| 10"HBCX-3                                                                     | 1/2                                                              | 4.6           | White         | 1120                                       | 1105                                       | 1090 | 1075 | 1060 | 1040 | 1020 | 960  |     |
|                                                                               |                                                                  |               | Green         | 1010                                       | 995                                        | 980  | 960  | 940  | 925  | 910  | 880  |     |
|                                                                               |                                                                  |               | Orange        | 830                                        | 810                                        | 790  | 765  | 740  | 720  | 700  | 660  |     |
|                                                                               |                                                                  |               | Yellow        | 690                                        | 665                                        | 640  | 620  | 600  | 575  | 550  | 510  |     |
| 12"HBCX-3                                                                     | 1/2                                                              | 6.2           | White         | 1380                                       | 1365                                       | 1350 | 1325 | 1300 | 1285 | 1270 | 1240 |     |
|                                                                               |                                                                  |               | Orange        | 1180                                       | 1165                                       | 1150 | 1130 | 1110 | 1090 | 1070 | 1030 |     |
|                                                                               |                                                                  |               | Yellow        | 1080                                       | 1070                                       | 1060 | 1045 | 1030 | 1010 | 990  | 960  |     |
|                                                                               |                                                                  |               | Red           | 1020                                       | 1000                                       | 980  | 960  | 940  | 925  | 910  | 880  |     |
|                                                                               |                                                                  |               |               |                                            |                                            |      |      |      |      |      |      |     |
| 115V/1/60 ECM MOTOR HBCX SERIES (CONCEALED) - CFM vs ESP (4-ROW or 3/1 SPLIT) |                                                                  |               |               |                                            |                                            |      |      |      |      |      |      |     |
| MODEL                                                                         | HP                                                               | AMPS/<br>120V | SPEED<br>TAP  | EXTERNAL STATIC PRESSURE (inches of water) |                                            |      |      |      |      |      |      |     |
|                                                                               |                                                                  |               |               | 0.1                                        | 0.15                                       | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5  |     |
| 4"HBCX-4<br>-31                                                               | 1/7                                                              | 1.4           | White         | 480                                        | 455                                        | 430  | 405  | 380  | 355  | 330  | *    |     |
|                                                                               |                                                                  |               | Green         | 400                                        | 365                                        | 330  | 305  | 280  | 250  | 220  | *    |     |
|                                                                               |                                                                  |               | Orange        | 350                                        | 315                                        | 280  | 250  | 220  | 195  | 170  | *    |     |
|                                                                               |                                                                  |               | Yellow        | 280                                        | 235                                        | 190  | 155  | 120  | *    | *    | *    |     |
| 6"HBCX-4<br>-31                                                               | 1/7                                                              | 2.5           | White         | 690                                        | 670                                        | 650  | 635  | 620  | 600  | 580  | *    |     |
|                                                                               |                                                                  |               | Green         | 660                                        | 635                                        | 610  | 580  | 550  | 540  | 530  | *    |     |
|                                                                               |                                                                  |               | Orange        | 570                                        | 545                                        | 520  | 500  | 480  | 455  | 430  | *    |     |
|                                                                               |                                                                  |               | Yellow        | 480                                        | 455                                        | 430  | 410  | 390  | 365  | 340  | *    |     |
| 8"HBCX-4<br>-31                                                               | 1/2                                                              | 4.6           | Green         | 980                                        | 945                                        | 910  | 890  | 870  | 845  | 820  | 720  |     |
|                                                                               |                                                                  |               | Orange        | 800                                        | 780                                        | 760  | 745  | 730  | 715  | 700  | 660  |     |
|                                                                               |                                                                  |               | Yellow        | 680                                        | 660                                        | 640  | 620  | 600  | 580  | 560  | 530  |     |
|                                                                               |                                                                  |               | Red           | 530                                        | 510                                        | 490  | 470  | 450  | 430  | 410  | 360  |     |
| 10"HBCX-4<br>-31                                                              | 1/2                                                              | 4.6           | White         | 1120                                       | 1105                                       | 1090 | 1075 | 1060 | 1040 | 1020 | 960  |     |
|                                                                               |                                                                  |               | Green         | 1010                                       | 995                                        | 980  | 960  | 940  | 925  | 910  | 880  |     |
|                                                                               |                                                                  |               | Orange        | 830                                        | 810                                        | 790  | 765  | 740  | 720  | 700  | 660  |     |
|                                                                               |                                                                  |               | Yellow        | 690                                        | 665                                        | 640  | 620  | 600  | 575  | 550  | 510  |     |
| 12"HBCX-4<br>-31                                                              | 1/2                                                              | 6.2           | White         | 1380                                       | 1365                                       | 1350 | 1325 | 1300 | 1285 | 1270 | 1240 |     |
|                                                                               |                                                                  |               | Orange        | 1180                                       | 1165                                       | 1150 | 1130 | 1110 | 1090 | 1070 | 1030 |     |
|                                                                               |                                                                  |               | Yellow        | 1080                                       | 1070                                       | 1060 | 1045 | 1030 | 1010 | 990  | 960  |     |
|                                                                               |                                                                  |               | Red           | 1020                                       | 1000                                       | 980  | 960  | 940  | 925  | 910  | 880  |     |
|                                                                               |                                                                  |               |               |                                            |                                            |      |      |      |      |      |      |     |
| 115V/1/60 ECM MOTOR HBCX SERIES (CONCEALED) - CFM vs ESP (3/2 or 4/1 SPLIT)   |                                                                  |               |               |                                            |                                            |      |      |      |      |      |      |     |
| MODEL                                                                         | HP                                                               | AMPS/<br>120V | SPEED<br>TAP  | EXTERNAL STATIC PRESSURE (inches of water) |                                            |      |      |      |      |      |      |     |
|                                                                               |                                                                  |               |               | 0.1                                        | 0.15                                       | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5  |     |
| 4"HBCX-32<br>-41                                                              | 1/7                                                              | 1.4           | White         | 480                                        | 455                                        | 430  | 405  | 380  | 355  | 330  | *    |     |
|                                                                               |                                                                  |               | Green         | 400                                        | 365                                        | 330  | 305  | 280  | 250  | 220  | *    |     |
|                                                                               |                                                                  |               | Orange        | 350                                        | 315                                        | 280  | 250  | 220  | 195  | 170  | *    |     |
|                                                                               |                                                                  |               | Yellow        | 280                                        | 235                                        | 190  | 155  | 120  | *    | *    | *    |     |
| 6"HBCX-32<br>-41                                                              | 1/7                                                              | 2.5           | White         | 690                                        | 670                                        | 650  | 635  | 620  | 600  | 580  | *    |     |
|                                                                               |                                                                  |               | Green         | 660                                        | 635                                        | 610  | 580  | 550  | 540  | 530  | *    |     |
|                                                                               |                                                                  |               | Orange        | 570                                        | 545                                        | 520  | 500  | 480  | 455  | 430  | *    |     |
|                                                                               |                                                                  |               | Yellow        | 480                                        | 455                                        | 430  | 410  | 390  | 365  | 340  | *    |     |
| 8"HBCX-32<br>-41                                                              | 1/2                                                              | 4.6           | Green         | 980                                        | 945                                        | 910  | 890  | 870  | 845  | 820  | 720  |     |
|                                                                               |                                                                  |               | Orange        | 800                                        | 780                                        | 760  | 745  | 730  | 715  | 700  | 660  |     |
|                                                                               |                                                                  |               | Yellow        | 680                                        | 660                                        | 640  | 620  | 600  | 580  | 560  | 530  |     |
|                                                                               |                                                                  |               | Red           | 530                                        | 510                                        | 490  | 470  | 450  | 430  | 410  | 360  |     |
| 10"HBCX-32<br>-41                                                             | 1/2                                                              | 4.6           | White         | 1120                                       | 1105                                       | 1090 | 1075 | 1060 | 1040 | 1020 | 960  |     |
|                                                                               |                                                                  |               | Green         | 1010                                       | 995                                        | 980  | 960  | 940  | 925  | 910  | 880  |     |
|                                                                               |                                                                  |               | Orange        | 830                                        | 810                                        | 790  | 765  | 740  | 720  | 700  | 660  |     |
|                                                                               |                                                                  |               | Yellow        | 690                                        | 665                                        | 640  | 620  | 600  | 575  | 550  | 510  |     |
| 12"HBCX-32<br>-41                                                             | 1/2                                                              | 6.2           | White         | 1380                                       | 1365                                       | 1350 | 1325 | 1300 | 1285 | 1270 | 1240 |     |
|                                                                               |                                                                  |               | Orange        | 1180                                       | 1165                                       | 1150 | 1130 | 1110 | 1090 | 1070 | 1030 |     |
|                                                                               |                                                                  |               | Yellow        | 1080                                       | 1070                                       | 1060 | 1045 | 1030 | 1010 | 990  | 960  |     |
|                                                                               |                                                                  |               | Red           | 1020                                       | 1000                                       | 980  | 960  | 940  | 925  | 910  | 880  |     |

In attempt to maintain CFM consistency, fins per inch (FPI) vary depending on coil rows and is reflected in CFM and capacity calculations

INCLUDES 24V TRANSFORMER,  
LINE VOLTAGE TERMINAL  
BLOCK, LOW VOLTAGE TERMINAL STRIP, IN  
FACTORY MOUNTED CONTROL BOX

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE PHBCX 120V ECM

ECM MOTOR

| ECM MOTOR                                                                  | 115V/1/60 ECM MOTOR |               |               |                                            | PHBCX SERIES (PLENUM)- CFM vs ESP (3-ROW)  |      |      |      |      |      |     |     |
|----------------------------------------------------------------------------|---------------------|---------------|---------------|--------------------------------------------|--------------------------------------------|------|------|------|------|------|-----|-----|
|                                                                            | MODEL               | HP            | AMPS/<br>120V | SPEED<br>TAP                               | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |     |     |
|                                                                            |                     |               |               |                                            | 0.1                                        | 0.15 | 0.2  | 0.25 | 0.3  | 0.35 | 0.4 | 0.5 |
|                                                                            | 4"PHBCX-3           | 1/7           | 1.4           | White                                      | 455                                        | 430  | 405  | 380  | 355  | 330  | *   | *   |
|                                                                            |                     |               |               | Green                                      | 365                                        | 330  | 305  | 280  | 250  | 220  | *   | *   |
|                                                                            |                     |               |               | Orange                                     | 315                                        | 280  | 250  | 220  | 195  | 170  | *   | *   |
|                                                                            |                     |               |               | Yellow                                     | 235                                        | 190  | 155  | 120  | *    | *    | *   | *   |
|                                                                            | 6"PHBCX-3           | 1/7           | 2.5           | White                                      | 670                                        | 650  | 635  | 620  | 600  | 580  | *   | *   |
|                                                                            |                     |               |               | Green                                      | 635                                        | 610  | 580  | 550  | 540  | 530  | *   | *   |
|                                                                            |                     |               |               | Orange                                     | 545                                        | 520  | 500  | 480  | 455  | 430  | *   | *   |
| Yellow                                                                     |                     |               |               | 455                                        | 430                                        | 410  | 390  | 365  | 340  | *    | *   |     |
| 8"PHBCX-3                                                                  | 1/2                 | 4.6           | Green         | 945                                        | 910                                        | 890  | 870  | 845  | 820  | 720  | *   |     |
|                                                                            |                     |               | Orange        | 780                                        | 760                                        | 745  | 730  | 715  | 700  | 660  | *   |     |
|                                                                            |                     |               | Yellow        | 660                                        | 640                                        | 620  | 600  | 580  | 560  | 530  | *   |     |
|                                                                            |                     |               | Red           | 510                                        | 490                                        | 470  | 450  | 430  | 410  | 360  | *   |     |
| 10"PHBCX-3                                                                 | 1/2                 | 4.6           | White         | 1105                                       | 1090                                       | 1075 | 1060 | 1040 | 1020 | 960  | *   |     |
|                                                                            |                     |               | Green         | 995                                        | 980                                        | 960  | 940  | 925  | 910  | 880  | *   |     |
|                                                                            |                     |               | Orange        | 810                                        | 790                                        | 765  | 740  | 720  | 700  | 660  | *   |     |
|                                                                            |                     |               | Yellow        | 665                                        | 640                                        | 620  | 600  | 575  | 550  | 510  | *   |     |
| 12"PHBCX-3                                                                 | 1/2                 | 6.2           | White         | 1365                                       | 1350                                       | 1325 | 1300 | 1285 | 1270 | 1240 | *   |     |
|                                                                            |                     |               | Orange        | 1165                                       | 1150                                       | 1130 | 1110 | 1090 | 1070 | 1030 | *   |     |
|                                                                            |                     |               | Yellow        | 1070                                       | 1060                                       | 1045 | 1030 | 1010 | 990  | 960  | *   |     |
|                                                                            |                     |               | Red           | 1000                                       | 980                                        | 960  | 940  | 925  | 910  | 880  | *   |     |
| 115V/1/60 ECM MOTOR PHBCX SERIES (PLENUM)- CFM vs ESP (4-ROW or 3/1 SPLIT) |                     |               |               |                                            |                                            |      |      |      |      |      |     |     |
| MODEL                                                                      | HP                  | AMPS/<br>120V | SPEED<br>TAP  | EXTERNAL STATIC PRESSURE (inches of water) |                                            |      |      |      |      |      |     |     |
|                                                                            |                     |               |               | 0.1                                        | 0.15                                       | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5 |     |
| 4"PHBCX-4                                                                  | 1/7                 | 1.4           | White         | 455                                        | 430                                        | 405  | 380  | 355  | 330  | *    | *   |     |
|                                                                            |                     |               | Green         | 365                                        | 330                                        | 305  | 280  | 250  | 220  | *    | *   |     |
|                                                                            |                     |               | Orange        | 315                                        | 280                                        | 250  | 220  | 195  | 170  | *    | *   |     |
|                                                                            |                     |               | Yellow        | 235                                        | 190                                        | 155  | 120  | *    | *    | *    | *   |     |
| 6"PHBCX-4                                                                  | 1/7                 | 2.5           | White         | 670                                        | 650                                        | 635  | 620  | 600  | 580  | *    | *   |     |
|                                                                            |                     |               | Green         | 635                                        | 610                                        | 580  | 550  | 540  | 530  | *    | *   |     |
|                                                                            |                     |               | Orange        | 545                                        | 520                                        | 500  | 480  | 455  | 430  | *    | *   |     |
|                                                                            |                     |               | Yellow        | 455                                        | 430                                        | 410  | 390  | 365  | 340  | *    | *   |     |
| 8"PHBCX-4                                                                  | 1/2                 | 4.6           | Green         | 945                                        | 910                                        | 890  | 870  | 845  | 820  | 720  | *   |     |
|                                                                            |                     |               | Orange        | 780                                        | 760                                        | 745  | 730  | 715  | 700  | 660  | *   |     |
|                                                                            |                     |               | Yellow        | 660                                        | 640                                        | 620  | 600  | 580  | 560  | 530  | *   |     |
|                                                                            |                     |               | Red           | 510                                        | 490                                        | 470  | 450  | 430  | 410  | 360  | *   |     |
| 10"PHBCX-4                                                                 | 1/2                 | 4.6           | White         | 1105                                       | 1090                                       | 1075 | 1060 | 1040 | 1020 | 960  | *   |     |
|                                                                            |                     |               | Green         | 995                                        | 980                                        | 960  | 940  | 925  | 910  | 880  | *   |     |
|                                                                            |                     |               | Orange        | 810                                        | 790                                        | 765  | 740  | 720  | 700  | 660  | *   |     |
|                                                                            |                     |               | Yellow        | 665                                        | 640                                        | 620  | 600  | 575  | 550  | 510  | *   |     |
| 12"PHBCX-4                                                                 | 1/2                 | 6.2           | White         | 1365                                       | 1350                                       | 1325 | 1300 | 1285 | 1270 | 1240 | *   |     |
|                                                                            |                     |               | Orange        | 1165                                       | 1150                                       | 1130 | 1110 | 1090 | 1070 | 1030 | *   |     |
|                                                                            |                     |               | Yellow        | 1070                                       | 1060                                       | 1045 | 1030 | 1010 | 990  | 960  | *   |     |
|                                                                            |                     |               | Red           | 1000                                       | 980                                        | 960  | 940  | 925  | 910  | 880  | *   |     |
| 115V/1/60 ECM MOTOR PHBCX SERIES (PLENUM)- CFM vs ESP (3/2 SPLIT)          |                     |               |               |                                            |                                            |      |      |      |      |      |     |     |
| MODEL                                                                      | HP                  | AMPS/<br>120V | SPEED<br>TAP  | EXTERNAL STATIC PRESSURE (inches of water) |                                            |      |      |      |      |      |     |     |
|                                                                            |                     |               |               | 0.1                                        | 0.15                                       | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5 |     |
| 4"PHBCX-32                                                                 | 1/7                 | 1.4           | White         | 455                                        | 430                                        | 405  | 380  | 355  | 330  | *    | *   |     |
|                                                                            |                     |               | Green         | 365                                        | 330                                        | 305  | 280  | 250  | 220  | *    | *   |     |
|                                                                            |                     |               | Orange        | 315                                        | 280                                        | 250  | 220  | 195  | 170  | *    | *   |     |
|                                                                            |                     |               | Yellow        | 235                                        | 190                                        | 155  | 120  | *    | *    | *    | *   |     |
| 6"PHBCX-32                                                                 | 1/7                 | 2.5           | White         | 670                                        | 650                                        | 635  | 620  | 600  | 580  | *    | *   |     |
|                                                                            |                     |               | Green         | 635                                        | 610                                        | 580  | 550  | 540  | 530  | *    | *   |     |
|                                                                            |                     |               | Orange        | 545                                        | 520                                        | 500  | 480  | 455  | 430  | *    | *   |     |
|                                                                            |                     |               | Yellow        | 455                                        | 430                                        | 410  | 390  | 365  | 340  | *    | *   |     |
| 8"PHBCX-32                                                                 | 1/2                 | 4.6           | Green         | 945                                        | 910                                        | 890  | 870  | 845  | 820  | 720  | *   |     |
|                                                                            |                     |               | Orange        | 780                                        | 760                                        | 745  | 730  | 715  | 700  | 660  | *   |     |
|                                                                            |                     |               | Yellow        | 660                                        | 640                                        | 620  | 600  | 580  | 560  | 530  | *   |     |
|                                                                            |                     |               | Red           | 510                                        | 490                                        | 470  | 450  | 430  | 410  | 360  | *   |     |
| 10"PHBCX-32                                                                | 1/2                 | 4.6           | White         | 1105                                       | 1090                                       | 1075 | 1060 | 1040 | 1020 | 960  | *   |     |
|                                                                            |                     |               | Green         | 995                                        | 980                                        | 960  | 940  | 925  | 910  | 880  | *   |     |
|                                                                            |                     |               | Orange        | 810                                        | 790                                        | 765  | 740  | 720  | 700  | 660  | *   |     |
|                                                                            |                     |               | Yellow        | 665                                        | 640                                        | 620  | 600  | 575  | 550  | 510  | *   |     |
| 12"PHBCX-32                                                                | 1/2                 | 6.2           | White         | 1365                                       | 1350                                       | 1325 | 1300 | 1285 | 1270 | 1240 | *   |     |
|                                                                            |                     |               | Orange        | 1165                                       | 1150                                       | 1130 | 1110 | 1090 | 1070 | 1030 | *   |     |
|                                                                            |                     |               | Yellow        | 1070                                       | 1060                                       | 1045 | 1030 | 1010 | 990  | 960  | *   |     |
|                                                                            |                     |               | Red           | 1000                                       | 980                                        | 960  | 940  | 925  | 910  | 880  | *   |     |

In attempt to maintain CFM consistency, fins per inch (FPI) vary depending on coil rows and is reflected in CFM and capacity calculations

INCLUDES 24V TRANSFORMER,  
LINE VOLTAGE TERMINAL  
BLOCK, LOW VOLTAGE TERMINAL STRIP, IN  
FACTORY MOUNTED CONTROL BOX

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE RHBCX 120V ECM

| ECM MOTOR           | 115V/1/60 ECM MOTOR |               |               |                                                           | RHBCX SERIES (RECESSED) - CFM vs ESP (3-ROW) |      |      |      |      |      |     |     |
|---------------------|---------------------|---------------|---------------|-----------------------------------------------------------|----------------------------------------------|------|------|------|------|------|-----|-----|
|                     | MODEL               | HP            | AMPS/<br>120V | SPEED<br>TAP                                              | EXTERNAL STATIC PRESSURE (inches of water)   |      |      |      |      |      |     |     |
|                     |                     |               |               |                                                           | 0.1                                          | 0.15 | 0.2  | 0.25 | 0.3  | 0.35 | 0.4 | 0.5 |
|                     | 4RHBCX-3            | 1/7           | 1.4           | White                                                     | 430                                          | 405  | 380  | 355  | 330  | *    | *   | *   |
|                     |                     |               |               | Green                                                     | 330                                          | 305  | 280  | 250  | 220  | *    | *   | *   |
|                     |                     |               |               | Orange                                                    | 280                                          | 250  | 220  | 195  | 170  | *    | *   | *   |
|                     |                     |               |               | Yellow                                                    | 190                                          | 155  | 120  | *    | *    | *    | *   | *   |
|                     | 6RHBCX-3            | 1/7           | 2.5           | White                                                     | 650                                          | 635  | 620  | 600  | 580  | *    | *   | *   |
|                     |                     |               |               | Green                                                     | 610                                          | 580  | 550  | 540  | 530  | *    | *   | *   |
|                     |                     |               |               | Orange                                                    | 520                                          | 500  | 480  | 455  | 430  | *    | *   | *   |
|                     |                     |               |               | Yellow                                                    | 430                                          | 410  | 390  | 365  | 340  | *    | *   | *   |
|                     | 8RHBCX-3            | 1/2           | 4.6           | Green                                                     | 910                                          | 890  | 870  | 845  | 820  | 720  | *   | *   |
| Orange              |                     |               |               | 760                                                       | 745                                          | 730  | 715  | 700  | 660  | *    | *   |     |
| Yellow              |                     |               |               | 640                                                       | 620                                          | 600  | 580  | 560  | 530  | *    | *   |     |
| Red                 |                     |               |               | 490                                                       | 470                                          | 450  | 430  | 410  | 360  | *    | *   |     |
| 10RHBCX-3           | 1/2                 | 4.6           | White         | 1090                                                      | 1075                                         | 1060 | 1040 | 1020 | 960  | *    | *   |     |
|                     |                     |               | Green         | 980                                                       | 960                                          | 940  | 925  | 910  | 880  | *    | *   |     |
|                     |                     |               | Orange        | 790                                                       | 765                                          | 740  | 720  | 700  | 660  | *    | *   |     |
|                     |                     |               | Yellow        | 640                                                       | 620                                          | 600  | 575  | 550  | 510  | *    | *   |     |
| 12RHBCX-3           | 1/2                 | 6.2           | White         | 1350                                                      | 1325                                         | 1300 | 1285 | 1270 | 1240 | *    | *   |     |
|                     |                     |               | Orange        | 1150                                                      | 1130                                         | 1110 | 1090 | 1070 | 1030 | *    | *   |     |
|                     |                     |               | Yellow        | 1060                                                      | 1045                                         | 1030 | 1010 | 990  | 960  | *    | *   |     |
|                     |                     |               | Red           | 980                                                       | 960                                          | 940  | 925  | 910  | 880  | *    | *   |     |
| 115V/1/60 ECM MOTOR |                     |               |               | RHBCX SERIES (RECESSED) - CFM vs ESP (4-ROW or 3/1 SPLIT) |                                              |      |      |      |      |      |     |     |
| MODEL               | HP                  | AMPS/<br>120V | SPEED<br>TAP  | EXTERNAL STATIC PRESSURE (inches of water)                |                                              |      |      |      |      |      |     |     |
|                     |                     |               |               | 0.1                                                       | 0.15                                         | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5 |     |
| 4RHBCX-4            | 1/7                 | 1.4           | White         | 430                                                       | 405                                          | 380  | 355  | 330  | *    | *    | *   |     |
|                     |                     |               | Green         | 330                                                       | 305                                          | 280  | 250  | 220  | *    | *    | *   |     |
|                     |                     |               | Orange        | 280                                                       | 250                                          | 220  | 195  | 170  | *    | *    | *   |     |
|                     |                     |               | Yellow        | 190                                                       | 155                                          | 120  | *    | *    | *    | *    | *   |     |
| 6RHBCX-4            | 1/7                 | 2.5           | White         | 650                                                       | 635                                          | 620  | 600  | 580  | *    | *    | *   |     |
|                     |                     |               | Green         | 610                                                       | 580                                          | 550  | 540  | 530  | *    | *    | *   |     |
|                     |                     |               | Orange        | 520                                                       | 500                                          | 480  | 455  | 430  | *    | *    | *   |     |
|                     |                     |               | Yellow        | 430                                                       | 410                                          | 390  | 365  | 340  | *    | *    | *   |     |
| 8RHBCX-4            | 1/2                 | 4.6           | Green         | 910                                                       | 890                                          | 870  | 845  | 820  | 720  | *    | *   |     |
|                     |                     |               | Orange        | 760                                                       | 745                                          | 730  | 715  | 700  | 660  | *    | *   |     |
|                     |                     |               | Yellow        | 640                                                       | 620                                          | 600  | 580  | 560  | 530  | *    | *   |     |
|                     |                     |               | Red           | 490                                                       | 470                                          | 450  | 430  | 410  | 360  | *    | *   |     |
| 10RHBCX-4           | 1/2                 | 4.6           | White         | 1090                                                      | 1075                                         | 1060 | 1040 | 1020 | 960  | *    | *   |     |
|                     |                     |               | Green         | 980                                                       | 960                                          | 940  | 925  | 910  | 880  | *    | *   |     |
|                     |                     |               | Orange        | 790                                                       | 765                                          | 740  | 720  | 700  | 660  | *    | *   |     |
|                     |                     |               | Yellow        | 640                                                       | 620                                          | 600  | 575  | 550  | 510  | *    | *   |     |
| 12RHBCX-4           | 1/2                 | 6.2           | White         | 1350                                                      | 1325                                         | 1300 | 1285 | 1270 | 1240 | *    | *   |     |
|                     |                     |               | Orange        | 1150                                                      | 1130                                         | 1110 | 1090 | 1070 | 1030 | *    | *   |     |
|                     |                     |               | Yellow        | 1060                                                      | 1045                                         | 1030 | 1010 | 990  | 960  | *    | *   |     |
|                     |                     |               | Red           | 980                                                       | 960                                          | 940  | 925  | 910  | 880  | *    | *   |     |
| 115V/1/60 ECM MOTOR |                     |               |               | RHBCX SERIES (RECESSED) - CFM vs ESP (3/2 SPLIT)          |                                              |      |      |      |      |      |     |     |
| MODEL               | HP                  | AMPS/<br>120V | SPEED<br>TAP  | EXTERNAL STATIC PRESSURE (inches of water)                |                                              |      |      |      |      |      |     |     |
|                     |                     |               |               | 0.1                                                       | 0.15                                         | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5 |     |
| 4RHBCX-32           | 1/7                 | 1.4           | White         | 430                                                       | 405                                          | 380  | 355  | 330  | *    | *    | *   |     |
|                     |                     |               | Green         | 330                                                       | 305                                          | 280  | 250  | 220  | *    | *    | *   |     |
|                     |                     |               | Orange        | 280                                                       | 250                                          | 220  | 195  | 170  | *    | *    | *   |     |
|                     |                     |               | Yellow        | 190                                                       | 155                                          | 120  | *    | *    | *    | *    | *   |     |
| 6RHBCX-32           | 1/7                 | 2.5           | White         | 650                                                       | 635                                          | 620  | 600  | 580  | *    | *    | *   |     |
|                     |                     |               | Green         | 610                                                       | 580                                          | 550  | 540  | 530  | *    | *    | *   |     |
|                     |                     |               | Orange        | 520                                                       | 500                                          | 480  | 455  | 430  | *    | *    | *   |     |
|                     |                     |               | Yellow        | 430                                                       | 410                                          | 390  | 365  | 340  | *    | *    | *   |     |
| 8RHBCX-32           | 1/2                 | 4.6           | Green         | 910                                                       | 890                                          | 870  | 845  | 820  | 720  | *    | *   |     |
|                     |                     |               | Orange        | 760                                                       | 745                                          | 730  | 715  | 700  | 660  | *    | *   |     |
|                     |                     |               | Yellow        | 640                                                       | 620                                          | 600  | 580  | 560  | 530  | *    | *   |     |
|                     |                     |               | Red           | 490                                                       | 470                                          | 450  | 430  | 410  | 360  | *    | *   |     |
| 10RHBCX-32          | 1/2                 | 4.6           | White         | 1090                                                      | 1075                                         | 1060 | 1040 | 1020 | 960  | *    | *   |     |
|                     |                     |               | Green         | 980                                                       | 960                                          | 940  | 925  | 910  | 880  | *    | *   |     |
|                     |                     |               | Orange        | 790                                                       | 765                                          | 740  | 720  | 700  | 660  | *    | *   |     |
|                     |                     |               | Yellow        | 640                                                       | 620                                          | 600  | 575  | 550  | 510  | *    | *   |     |
| 12RHBCX-32          | 1/2                 | 6.2           | White         | 1350                                                      | 1325                                         | 1300 | 1285 | 1270 | 1240 | *    | *   |     |
|                     |                     |               | Orange        | 1150                                                      | 1130                                         | 1110 | 1090 | 1070 | 1030 | *    | *   |     |
|                     |                     |               | Yellow        | 1060                                                      | 1045                                         | 1030 | 1010 | 990  | 960  | *    | *   |     |
|                     |                     |               | Red           | 980                                                       | 960                                          | 940  | 925  | 910  | 880  | *    | *   |     |

In attempt to maintain CFM consistency, fins per inch (FPI) vary depending on coil rows and is reflected in CFM and capacity calculations

INCLUDES 24V TRANSFORMER,  
LINE VOLTAGE TERMINAL  
BLOCK, LOW VOLTAGE TERMINAL STRIP, IN  
FACTORY MOUNTED CONTROL BOX

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE CHBCX 120V ECM

| ECM MOTOR           | 115V/1/60 ECM MOTOR |                                                   | CHBCX SERIES (EXPOSED) - CFM (3-ROW) |           |      |
|---------------------|---------------------|---------------------------------------------------|--------------------------------------|-----------|------|
|                     | MODEL               | HP                                                | AMPS/120V                            | SPEED TAP | CFM  |
|                     | 4"CHBCX-3           | 1/7                                               | 1.4                                  | White     | 480  |
|                     |                     |                                                   |                                      | Green     | 400  |
|                     |                     |                                                   |                                      | Orange    | 350  |
|                     |                     |                                                   |                                      | Yellow    | 280  |
|                     | 6"CHBCX-3           | 1/7                                               | 2.5                                  | White     | 690  |
|                     |                     |                                                   |                                      | Green     | 660  |
|                     |                     |                                                   |                                      | Orange    | 570  |
|                     |                     |                                                   |                                      | Yellow    | 480  |
|                     | 8"CHBCX-3           | 1/2                                               | 4.6                                  | Green     | 980  |
|                     |                     |                                                   |                                      | Orange    | 800  |
|                     |                     |                                                   |                                      | Yellow    | 680  |
|                     |                     |                                                   |                                      | Red       | 530  |
|                     | 10"CHBCX-3          | 1/2                                               | 4.6                                  | White     | 1120 |
|                     |                     |                                                   |                                      | Green     | 1010 |
|                     |                     |                                                   |                                      | Orange    | 830  |
|                     |                     |                                                   |                                      | Yellow    | 690  |
|                     | 12"CHBCX-3          | 1/2                                               | 6.2                                  | White     | 1380 |
|                     |                     |                                                   |                                      | Orange    | 1180 |
|                     |                     |                                                   |                                      | Yellow    | 1080 |
|                     |                     |                                                   |                                      | Red       | 1020 |
|                     |                     |                                                   |                                      |           |      |
| 115V/1/60 ECM MOTOR |                     | CHBCX SERIES (EXPOSED) - CFM (4-ROW or 3/1 SPLIT) |                                      |           |      |
| MODEL               | HP                  | AMPS/120V                                         | SPEED TAP                            | CFM       |      |
| 4"CHBCX-4           | 1/7                 | 1.4                                               | White                                | 480       |      |
|                     |                     |                                                   | Green                                | 400       |      |
|                     |                     |                                                   | Orange                               | 350       |      |
|                     |                     |                                                   | Yellow                               | 280       |      |
| 6"CHBCX-4           | 1/7                 | 2.5                                               | White                                | 690       |      |
|                     |                     |                                                   | Green                                | 660       |      |
|                     |                     |                                                   | Orange                               | 570       |      |
|                     |                     |                                                   | Yellow                               | 480       |      |
| 8"CHBCX-4           | 1/2                 | 4.6                                               | Green                                | 980       |      |
|                     |                     |                                                   | Orange                               | 800       |      |
|                     |                     |                                                   | Yellow                               | 680       |      |
|                     |                     |                                                   | Red                                  | 530       |      |
| 10"CHBCX-4          | 1/2                 | 4.6                                               | White                                | 1120      |      |
|                     |                     |                                                   | Green                                | 1010      |      |
|                     |                     |                                                   | Orange                               | 830       |      |
|                     |                     |                                                   | Yellow                               | 690       |      |
| 12"CHBCX-4          | 1/2                 | 6.2                                               | White                                | 1380      |      |
|                     |                     |                                                   | Orange                               | 1180      |      |
|                     |                     |                                                   | Yellow                               | 1080      |      |
|                     |                     |                                                   | Red                                  | 1020      |      |
|                     |                     |                                                   |                                      |           |      |
| 115V/1/60 ECM MOTOR |                     | CHBCX SERIES (EXPOSED) - CFM (3/2 SPLIT)          |                                      |           |      |
| MODEL               | HP                  | AMPS/120V                                         | SPEED TAP                            | CFM       |      |
| 4"CHBCX-32          | 1/7                 | 1.4                                               | White                                | 480       |      |
|                     |                     |                                                   | Green                                | 400       |      |
|                     |                     |                                                   | Orange                               | 350       |      |
|                     |                     |                                                   | Yellow                               | 280       |      |
| 6"CHBCX-32          | 1/7                 | 2.5                                               | White                                | 690       |      |
|                     |                     |                                                   | Green                                | 660       |      |
|                     |                     |                                                   | Orange                               | 570       |      |
|                     |                     |                                                   | Yellow                               | 480       |      |
| 8"CHBCX-32          | 1/2                 | 4.6                                               | Green                                | 980       |      |
|                     |                     |                                                   | Orange                               | 800       |      |
|                     |                     |                                                   | Yellow                               | 680       |      |
|                     |                     |                                                   | Red                                  | 530       |      |
| 10"CHBCX-32         | 1/2                 | 4.6                                               | White                                | 1120      |      |
|                     |                     |                                                   | Green                                | 1010      |      |
|                     |                     |                                                   | Orange                               | 830       |      |
|                     |                     |                                                   | Yellow                               | 690       |      |
| 12"CHBCX-32         | 1/2                 | 6.2                                               | White                                | 1380      |      |
|                     |                     |                                                   | Orange                               | 1180      |      |
|                     |                     |                                                   | Yellow                               | 1080      |      |
|                     |                     |                                                   | Red                                  | 1020      |      |

In attempt to maintain CFM consistency, fins per inch (FPI) vary depending on coil rows and is reflected in CFM and capacity calculations

INCLUDES 24V TRANSFORMER,  
LINE VOLTAGE TERMINAL  
BLOCK, LOW VOLTAGE TERMINAL STRIP, IN  
FACTORY MOUNTED CONTROL BOX

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## BLOWER PERFORMANCE HBCX 277V ECM

| 115V/1/60 ECM MOTOR HBCX SERIES (CONCEALED) - CFM vs ESP (4-ROW or 3/1 SPLIT) |     |           |              |                                            |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------------|-----|-----------|--------------|--------------------------------------------|------|------|------|------|------|------|------|
| MODEL                                                                         | HP  | AMPS/120V | SPEED<br>TAP | EXTERNAL STATIC PRESSURE (inches of water) |      |      |      |      |      |      |      |
|                                                                               |     |           |              | 0.1                                        | 0.15 | 0.2  | 0.25 | 0.3  | 0.35 | 0.4  | 0.5  |
| 4"HBCX-4<br>-31                                                               | 1/6 | 1.4       | White        | 500                                        | 480  | 460  | 405  | 410  | 390  | 370  | *    |
|                                                                               |     |           | Green        | 420                                        | 390  | 360  | 305  | 320  | 290  | 260  | *    |
|                                                                               |     |           | Orange       | 370                                        | 340  | 310  | 250  | 250  | 220  | 190  | *    |
|                                                                               |     |           | Yellow       | 290                                        | 260  | 230  | 155  | 140  | *    | *    | *    |
| 6"HBCX-4<br>-31                                                               | 1/6 | 2.5       | White        | 690                                        | 670  | 650  | 635  | 610  | 585  | 560  | *    |
|                                                                               |     |           | Green        | 640                                        | 620  | 600  | 580  | 560  | 540  | 520  | *    |
|                                                                               |     |           | Orange       | 540                                        | 520  | 500  | 500  | 460  | 440  | 420  | *    |
|                                                                               |     |           | Yellow       | 440                                        | 420  | 400  | 410  | 360  | 335  | 310  | *    |
| 8"HBCX-4<br>-31                                                               | 1/2 | 4.6       | Green        | 990                                        | 960  | 930  | 890  | 860  | 825  | 790  | 720  |
|                                                                               |     |           | Orange       | 840                                        | 825  | 810  | 745  | 780  | 760  | 740  | 700  |
|                                                                               |     |           | Yellow       | 680                                        | 660  | 640  | 620  | 600  | 585  | 570  | 540  |
|                                                                               |     |           | Red          | 500                                        | 480  | 460  | 470  | 420  | 400  | 380  | *    |
| 10"HBCX-4<br>-31                                                              | 1/2 | 4.6       | White        | 1140                                       | 1120 | 1100 | 1080 | 1060 | 1040 | 1020 | 980  |
|                                                                               |     |           | Green        | 1040                                       | 1020 | 1000 | 980  | 960  | 940  | 920  | 880  |
|                                                                               |     |           | Orange       | 860                                        | 840  | 820  | 800  | 780  | 760  | 740  | 700  |
|                                                                               |     |           | Yellow       | 710                                        | 690  | 670  | 650  | 630  | 610  | 590  | *    |
| 12"HBCX-4<br>-31                                                              | 1/2 | 6.2       | White        | 1340                                       | 1320 | 1300 | 1275 | 1250 | 1225 | 1200 | 1150 |
|                                                                               |     |           | Orange       | 1240                                       | 1220 | 1200 | 1175 | 1150 | 1125 | 1100 | 1050 |
|                                                                               |     |           | Yellow       | 1130                                       | 1110 | 1090 | 1070 | 1050 | 1020 | 1000 | 950  |
|                                                                               |     |           | Red          | 1040                                       | 1020 | 1000 | 970  | 940  | 920  | 900  | *    |

**GUIDE SPECIFICATIONS****PART 1: GENERAL****1.01 Section Includes**

A. Fan Coil Units

**1.02 REFERENCES**

AMCA 99 – Standards Handbook

AMCA 210 -- Laboratory Methods for Testing Fans for Rating Purposes

AMCA 300 – Test Code for Sound Rating Air Moving Devices

ARI 440 – Room Fan-Coil Unit

ASTMB117 – Standard Practice for Operating Salt Spray Apparatus

NEMA MG1 – Motors and Generators

NFPA 70 – National Electric Code

SMACNA – HVAC Duct Construction Standards – Metal and Flexible

UL 723 – Test for Surface Burning Characteristics of Building Materials

UL 900 – Test Performance of Air Filter Units

UL 1995 – Standard for Heating and Cooling Equipment

UL 94 – Test for Flammability of Plastic Materials for Parts in Devices and Appliances

**1.03 SUBMITTALS**

A. Shop drawings: Indicate assembly, unit dimensions, weight loading, required clearances, construction details, field connection details, and electrical characteristics and connection requirements. A computer generated capacity selection shall be submitted for each cooling coil with design points and final operating point clearly noted.

**B. Product Data:**

1. Provide literature that indicates dimensions, weights, capacities, ratings, fan performance, finishes of materials, and electrical characteristics and connection requirements.

2. Provide data of filter media, filter performance data.

3. Manufacturer's installation instructions.

**1.04 OPERATION AND MAINTENANCE DATA**

A. Maintenance Data: Include instructions for lubrication, filter replacement and motor and drive replacement.

**1.05 QUALIFICATIONS**

A. Manufacturer: Company specializing in manufacturing the products specified in this section with a minimum 10 years documented experience, which issues complete catalog data on total product.

**1.06 DELIVERY, STORAGE, AND HANDLING**

A. Accept products on site on factory-installed shipping skids. Inspect for damage.

B. Store in clean dry place and protect from weather and construction traffic. Handle carefully to avoid damage to components, enclosures, and finish.

**Product Specifications**

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

**GUIDE  
SPECIFICATIONS****GUIDE SPECIFICATIONS (cont.)****1.07 ENVIRONMENTAL REQUIREMENTS**

A. Do not operate units for any purpose, temporary or permanent, until ductwork is clean, filters are in place, and fan has been test run under observation.

**PART 2: PRODUCTS****2.01 MANUFACTURERS**

A. The following manufacturers are approved for use. No substitutions will be permitted.

1. First Company, Dallas TX

**2.02 CASING**

A. Unit shall have corrosion resistant casing consisting of galvanized steel panels. Unit panels shall be fully insulated with 1.5lb fiberglass insulation with anti-microbial agent. Removable panels shall provide full access to unit components.

B. Drain pans shall be heavy gauge galvanized steel with an insulating coating. Optional stainless steel drain pan shall include an insulating coating. Drain pans shall be removable for cleaning or replacement without removing coils or disturbing coil connections.

**2.03 SUPPLY FAN**

A. Provide DWDI forward-curved supply fans. Fan assemblies shall be statically and dynamically balanced by manufacturer. The housings are constructed from heavy gauge galvanized steel with die-formed inlet cones.

B. Fan and motor mounting platform shall be a minimum of 12 gauge LFQ galvanized steel.

**2.04 MOTORS**

A. Direct drive motors to be PSC or ECM type, permanently lubricated type with internal thermal overload protection and mounted with rubber isolation bushings.

**2.05 ELECTRICAL**

A. Provide units with 115, 208-230, or 277V, 3-speed with 24v control transformer, and 15 amp service switch or optional ECM motor with 120/24V control transformer, 15 amp service switch, 4 speed taps. Controls to be factory mounted and tested.

**2.07 COOLING AND HEATING COIL SECTIONS**

A. Provide access to coils for service and cleaning.

B. Water Coils: fins shall have full drawn collars to provide a continuous surface cover over the entire tube for maximum heat transfer. Tubes shall be mechanically expanded into the fins to provide a continuous primary-to-secondary compression bond over the entire finned length for maximum heat transfer rates. Bare copper tube shall not be visible between fins. Coil tubes shall be seamless copper, expanded into fins, and brazed at joints. Coil connections shall be copper with sweat connection size to be determined by manufacturer based upon the most efficient coil circuiting. Manual air vent connections shall be provided at the highest point to assure proper venting. Coils shall be tested with 350 pounds air pressure and suitable for 300 psig working pressure. Coil casings shall be a formed channel frame of galvanized steel.

**2.08 FILTERS**

A. Filter to be disposable type and media shall be UL 900 listed, Class I or Class II.

**PART 3: EXECUTION****3.01 INSTALLATION**

A. Install in accordance with manufacturer's instructions.

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## ACCESS PANELS



| *STANDARD PANEL OPTIONS FOR HBC SERIES |           |            |                  |              | *IAQ MERV 8 PANEL OPTIONS FOR HBC SERIES |           |            |                  |              |
|----------------------------------------|-----------|------------|------------------|--------------|------------------------------------------|-----------|------------|------------------|--------------|
| PART #                                 | UNIT SIZE | PANEL TYPE | FRAME DIMENSIONS | *FILTER SIZE | PART #                                   | UNIT SIZE | PANEL TYPE | FRAME DIMENSIONS | *FILTER SIZE |
| 965                                    | 3,4,5,6   | LOUVERED   | 27-1/2 X 43      | 20X20X1 (1)  | 965-M8                                   | 3,4,5,6   | LOUVERED   | 27-1/2 X 43      | 20X30X1 (1)  |
| 965-1                                  |           | SOLID      |                  |              |                                          |           |            |                  |              |
| 966                                    | 8         | LOUVERED   | 27-1/2 X 49      | 20X20X1 (1)  | 966-M8                                   | 8         | LOUVERED   | 27-1/2 X 49      | 20X20X1 (2)  |
| 966-1                                  |           | SOLID      |                  |              |                                          |           |            |                  |              |
| 967                                    | 10        | LOUVERED   | 27-1/2 X 55-1/2  | 20X20X1 (1)  | 967-M8                                   | 10        | LOUVERED   | 27-1/2 X 55-1/2  | 20X20X1 (2)  |
| 967-1                                  |           | SOLID      |                  |              |                                          |           |            |                  |              |
| 967-4                                  | 12/13     | LOUVERED   | 27-5/8 X 70-1/8  | 10X65X1 (1)  | 967-8M8                                  | 12/13     | LOUVERED   | 27-5/8 X 70-1/8  | 20X30X1 (2)  |
| 967-5                                  |           | SOLID      |                  |              |                                          |           |            |                  |              |

**Note \* Filters not included**

| IAQ PANEL PERFORMANCE DATA (4) (Clean Filter)        |      |      |      |      |      |      |      |      |      |      |
|------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|
|                                                      | CFM  |      |      |      |      |      |      |      |      |      |
|                                                      | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1500 |
| 965-M8 with AF20301HV (20x030, Merv 8) Filters (2)   | 0.04 | 0.06 | 0.06 | 0.08 | 0.09 | 0.10 | ---  | ---  | ---  | ---  |
| 966-M8 with AF20201HV (20x020, Merv 8) Filters (2)   | 0.04 | 0.06 | 0.06 | 0.08 | 0.09 | 0.10 | ---  | ---  | ---  | ---  |
| 967-M8 with AF20201HV (20x020, Merv 8) Filters (2)   | ---  | 0.05 | 0.05 | 0.07 | 0.08 | 0.10 | ---  | ---  | ---  | ---  |
| 967-6-M8 with AF20251HV (20x025, Merv 8) Filters (2) | ---  | ---  | ---  | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | ---  | ---  |
| 967-8-M8 with AF20301HV (20x30, Merv 8) Filters (2)  | ---  | ---  | ---  | ---  | ---  | 0.06 | 0.06 | 0.08 | 0.08 | 0.10 |

### Notes:

- (1) The above is the actual laboratory test data on these panels.
- (2) Glassfloss® Industries HV series Merv 8 filters were used to generate above data (**filters must be field supplied**)
- (3) Alternate Merv 8 filters would be acceptable provided they have equal or less resistance.
- (4) Refer to fan coil specification sheets for fan coil blower data.

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## ACCESSORIES

### THERMOSTATS

|                                                                                                                                                            |                                                                                                                |                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>T420 - Manual Changeover with 3 speed fan switch</p> <p>T421 - Auto Changeover with 3 speed fan switch</p>                                              | <p>3-Speed Fan Switching</p>  | <p>HEAT-OFF-COOL System Switch</p> <p>Accepts 24 to 277 VAC., 50 or 60 Hz</p> <p>Maximum Ambient: 130<sup>0</sup> F</p> <p>Optional Remote Thermistor Probe</p> <p>Set Point Range: 50 to 90<sup>0</sup> F</p> <p>Agency Approvals: UL, UL Canada CE</p> <p>Mounting: Installs to a standard 2" x 4" devise box</p>     |
| <p>T200 - Manual Changeover with Digital Display with Auto Speed Fan Switch</p> <p>T201 - **Auto Changeover Digital Display with Auto Speed Fan Switch</p> | <p>3-Speed Fan Switching</p>  | <p>HEAT/COOL System Switch, Manual or Auto</p> <p>3-Speed Fan switch with Auto Speed Feature</p> <p>Separate On-Off Switch</p> <p>18-30 VAC, 50/60 Hz</p> <p>Temperature Accuracy: <math>\pm 1.8^{\circ}\text{F}</math></p> <p>Ambient Teperature: 50-122<sup>0</sup> F</p> <p>Set Point Range: 64-88<sup>0</sup> F</p> |

### SINGLE SPEED THERMOSTATS

|                                                                                                                                                     |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>T630 - Manual Changeover Digital Display, Single Speed Fan</p>                                                                                   | <p>1-Speed Fan (on-Auto)</p>   | <p>HEAT-OFF-COOL System Switch Manual Changeover</p> <p>18-30 VAC, 50/60 Hz</p> <p>Temperature Accuracy: <math>\pm 1.0^{\circ}\text{F}</math></p> <p>Ambient Temperature: 14<sup>0</sup> to 140<sup>0</sup> F</p> <p>Set Point Range: 45-90<sup>0</sup> F</p> <p>DC Power: 3.0 Volt DC</p> <p>(2 AA Alkaline batteries included)</p>                                                                                      |
| <p>T832</p> <p>7-Day Programmable</p> <p>1 heat, 1 cool,</p> <p>Single Speed,</p> <p>Touch Screen display,</p> <p>C7189 Remote sensor available</p> | <p>1-Speed Fan (On-Auto)</p>  | <p>HEAT-OFF-COOL-AUTO</p> <p>Fan Options: Auto-on Circ</p> <p>20 - 30 Vac, 50/60 Hz</p> <p>Ambient Temperature: 0<sup>0</sup> to 120<sup>0</sup> F</p> <p>Set Point Range: Clg. 50<sup>0</sup>F to 99<sup>0</sup>F Htg. 40<sup>0</sup>f to 90<sup>0</sup>F</p> <p>Powering methods:</p> <ul style="list-style-type: none"> <li>Battery only</li> <li>Common wire only</li> <li>Common wire with battery backup</li> </ul> |
| <p>T4071 5/8</p> <p>T4072 7/8</p> <p>Auto Changeover Requires Aguastat (2-pipe applications)</p>                                                    |                               | <p>Strap-on Aquastat 5/8" O.D. Tubing</p> <p>10 amps induction</p> <p>60 amps locked rotor</p> <p>25 amps resitive</p> <p>Temperature Changes at 95<sup>0</sup> F + 10<sup>0</sup>F</p> <p>Resets at 65<sup>0</sup>F + 5<sup>0</sup>F</p>                                                                                                                                                                                 |

## Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

## ACCESSORIES

### 3-SPEED ROTARY SWITCH

|                 |        |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W/OFF POSITION  | E332   |  | <b>Resistive Load (Switching Capacity) Rating</b><br>10 Amps at 125 VAC<br>5 Amps at 250/277 VAC<br><b>Inductive (Motorload) Ratings</b><br>1/4 HP at 125/277 VAC<br>1/2 HP at 250 VAC<br><br><b>Standard Switch and Shaft Dimensions</b><br>2" x 1-1/2" x 11/16"<br>3/16" Square Shaft with 13/32" Extension<br>15/32" Double D 32 Threaded Bushing with 1/4" Extension<br>6-1/2" Long Leads |
| NO OFF POSITION | E332-1 |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                               |

### WALL MOUNT 3-SPEED SWITCH

|                                  |      |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3-SPEED SWITCH ON/OFF WALL MOUNT | T422 |  | <b>Resistive Load (Switching Capacity) Rating</b><br>6 Amps at 125 VAC<br>5 Amps at 240 VAC<br>4.2 Amps at 277 VAC<br><b>Inductive (Motorload) Ratings</b><br>1/4 HP at 125/277 VAC<br>1/2 HP at 250 VAC<br><br>Horizontal mount with manual on/off switch and manual three speed fan switch.<br>Operation with system switch in on position, fan operation is continuous, can be set at one of three speeds.<br>With system switch in off position, all outputs are off. |
|----------------------------------|------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### OPTIONAL SERVICE SWITCH (15 AMP)

|          |        |                                                                                     |                                                                                                                     |
|----------|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Voltage  | Part # |  | 2 x 4 Service Switch<br>Toggle Switch 15 Amp<br>Single Pole<br>2 X 4 J-Box<br>2 X 4 Switch Cover - Galvanized Steel |
| 120/1/60 | 945-6  |                                                                                     |                                                                                                                     |
| 240/1/60 | 945-7  |                                                                                     |                                                                                                                     |
| 277/1/60 | 945-7  |                                                                                     |                                                                                                                     |
| 220/1/50 | 945-7  |                                                                                     |                                                                                                                     |

### SINGLE SPEED FAN (24V Control Circuit)

|          |          |                                                                                     |                                                                                                                                                |
|----------|----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage  | Part #   |  | Relay Transformer Assembly<br>30 Amp, single pole, normally open, 24v coil<br>18 GA. 4.25 X 4.25 mounting plate<br>Factory assembled and wired |
| 120/1/60 | 310-E301 |                                                                                     |                                                                                                                                                |
| 240/1/60 | 310-E302 |                                                                                     |                                                                                                                                                |
| 277/1/60 | 310-E303 |                                                                                     |                                                                                                                                                |
| 220/1/50 | 310-E302 |                                                                                     |                                                                                                                                                |

### THREE SPEED FAN (24V Control Circuit)

|                             |                                                                                     |  |
|-----------------------------|-------------------------------------------------------------------------------------|--|
| Multi-24                    |  |  |
| FACTORY MOUNTED OPTION ONLY |                                                                                     |  |

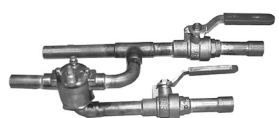
3-SPEED CONTROL OPTION FOR HBC SERIES FAN COILS  
FACTORY MOUNTED CONTROLS INCLUDE CB500 RELAY BOARD, 24V TRANSFORMER, (15 AMP) SERVICE SWITCH

# Product Specifications

Horizontal Fan Coils  
2-Pipe/4-Pipe Hydronic

# ACCESSORIES

## VALVE PACKAGES AND ACCESSORIES

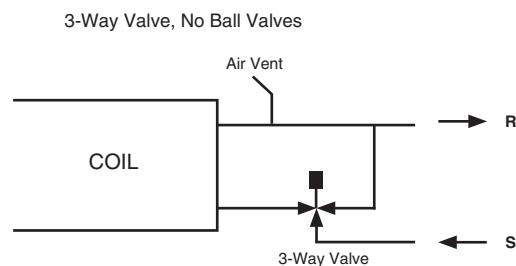
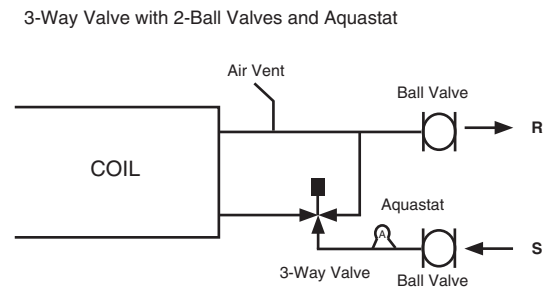
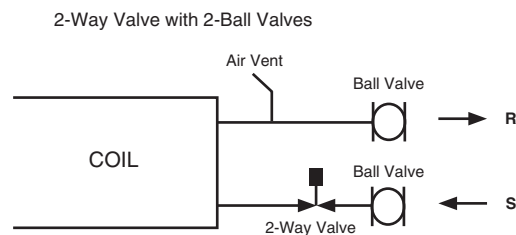
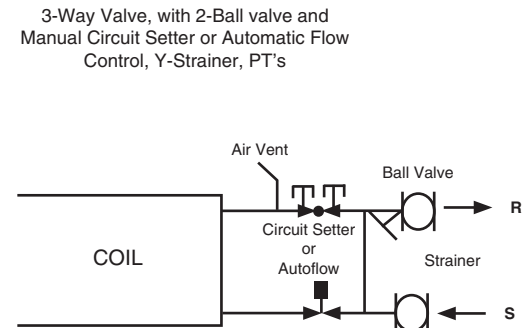
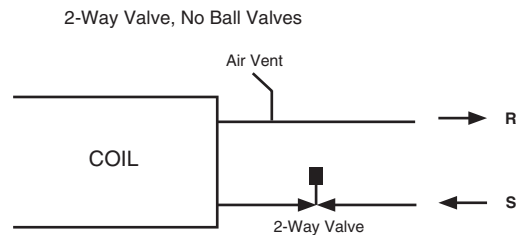
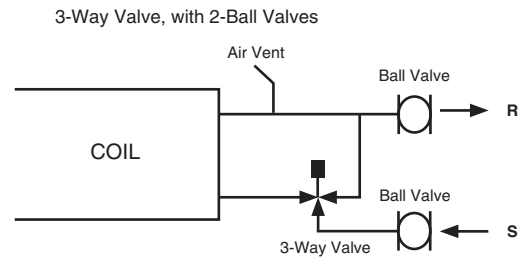
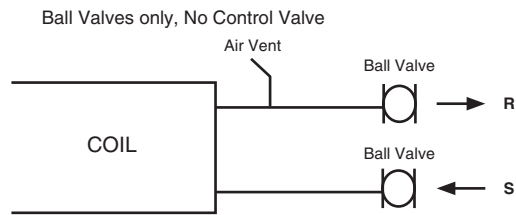
| ACTUATOR                    |                  |  | ACTUATOR MATERIALS                                                                   |                         |                                                                                       |                                                                                       |        |
|-----------------------------|------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 2-POSITION (ON-OFF) 50/60HZ |                  |                                                                                   | BASE                                                                                 |                         | POLYCARBONATE                                                                         | APPROVALS                                                                             |        |
| VOLTAGE                     |                  |                                                                                   | COVER                                                                                |                         | POLYCARBONATE                                                                         | UL<br>Cul<br>CE                                                                       |        |
| PART #                      |                  |                                                                                   | BASE PLATE                                                                           |                         | ALUMINUM                                                                              |                                                                                       |        |
| 24V                         | E50131180        |                                                                                   | LEAD LENGTH                                                                          |                         | 6" - (24V 18")                                                                        |                                                                                       |        |
| 120/1/60                    | E50132180        |                                                                                   | POWER REQUIREMENTS                                                                   |                         | 6.5W, 7 VA                                                                            |                                                                                       |        |
| 240/1/60                    | E50138180        |                                                                                   | AMBIENT TEMPERATURE RANGE                                                            |                         | 32 TO 170 F                                                                           |                                                                                       |        |
| 277/1/60                    | E50137180        |                                                                                   | MICRO SWITCH                                                                         |                         | 5 A, 250 V                                                                            |                                                                                       |        |
| 220/1/50                    | E50138180        |                                                                                   | HUMIDITY                                                                             |                         | 95% NON-CONDENSING                                                                    |                                                                                       |        |
| 2-Way Valve and Actuator    |                  |                                                                                   |                                                                                      |                         |                                                                                       |                                                                                       |        |
| VALVE BODY MATERIALS        |                  |                                                                                   | VALVE BODIES (2-POSITION)                                                            |                         |                                                                                       |                                                                                       |        |
| BODY                        |                  | BRASS                                                                             | E43XXXX 3-WAY                                                                        |                         |                                                                                       | E42XXXX 2-WAY                                                                         |        |
| STEM                        |                  | STAINLESS STEEL                                                                   |    |                         |                                                                                       |    |        |
| TWO O-RINGS SEALS           |                  | EPDM                                                                              |                                                                                      |                         |                                                                                       |                                                                                       |        |
| PADDLE                      |                  | EPDM                                                                              |                                                                                      |                         |                                                                                       |                                                                                       |        |
| FLUID                       |                  | WATER/GLYCOL                                                                      |                                                                                      |                         |                                                                                       |                                                                                       |        |
| MAXIMUM % OF GLYCOL         |                  | 50%                                                                               | VALVE PACKAGE ACCESSORIES                                                            |                         |                                                                                       |                                                                                       |        |
| TEMPERATURE RANGE           |                  | 32 TO 240                                                                         | Automatic Fixed Flow Control                                                         |                         |                                                                                       | Manual Adj. Flow Setter                                                               |        |
| MAXIMUM STATIC PRESSURE     |                  | 300 PSI                                                                           | 1/2"                                                                                 | 3/4"                    |    | 1/2"                                                                                  | 3/4"   |
| SWEAT CONNECTION            |                  | 1/2", 3/4", 1"                                                                    | CP654XXXXX                                                                           | CP655XXXXX              |                                                                                       | CP601                                                                                 | CP6011 |
| FLOW CHARACTERISTICS        |                  |                                                                                   |                                                                                      |                         |                                                                                       |                                                                                       |        |
| Connection Size             | Flow Coefficient | Maximum Close-Off Pressure AP                                                     | PETE'S PLUG                                                                          | Requires CP6025 CP61712 |  |  |        |
| 1/2"                        | 1.0 Cv           | 75                                                                                | Ball Valves (Sweat)                                                                  |                         |                                                                                       |                                                                                       |        |
| 1/2"                        | 2.5 Cv           | 50                                                                                | Full Port (T-Handle)                                                                 |                         |                                                                                       | Y-Strainer (Sweat)                                                                    |        |
| 3/4"                        |                  |                                                                                   | 1/2"                                                                                 | 3/4"                    | 1"                                                                                    | 1/2"                                                                                  | 3/4"   |
| 1/2"                        | 3.5 Cv           | 30                                                                                | CP-9                                                                                 | CP-90                   | CP-905                                                                                | CP603                                                                                 | CP6031 |
| 3/4"                        |                  |                                                                                   |  |                         |                                                                                       |  |        |
| 3/4"                        | 5 Cv             | 25                                                                                | EXTENDED DRIP LIPS                                                                   | 919-1 15"               |                                                                                       |  |        |
| 1"                          |                  |                                                                                   |                                                                                      | 919-1X1ss 15"           |                                                                                       |                                                                                       |        |
| 3/4"                        | 7.5 Cv           | 20                                                                                |                                                                                      | 919-1EXT 19"            |                                                                                       |                                                                                       |        |
| 1"                          |                  |                                                                                   |                                                                                      |                         |                                                                                       |                                                                                       |        |
| 1"                          | 8 Cv             | 20                                                                                |                                                                                      |                         |                                                                                       |                                                                                       |        |
|                             |                  |                                                                                   | STANDARD VALVE PACKAGE<br>FACTORY MOUNTED 2-POSITION (ON-OFF)                        |                         |                                                                                       |                                                                                       |        |
|                             |                  |                                                                                   | 2-WAY 9VH*22BM WITH 2-BV'S                                                           |                         |  |                                                                                       |        |
|                             |                  |                                                                                   | 3-WAY 9VH*23BM WITH 2-BV'S                                                           |                         |  |                                                                                       |        |

## PIPING PACKAGE OPTIONS

### TWO POSITION, MODULATING

Manual air vents are standard and are factory mounted on all chilled water and hot water coils.

*All pre-piped on/off or modulating valve packages are factory assembled with sweat connections.*



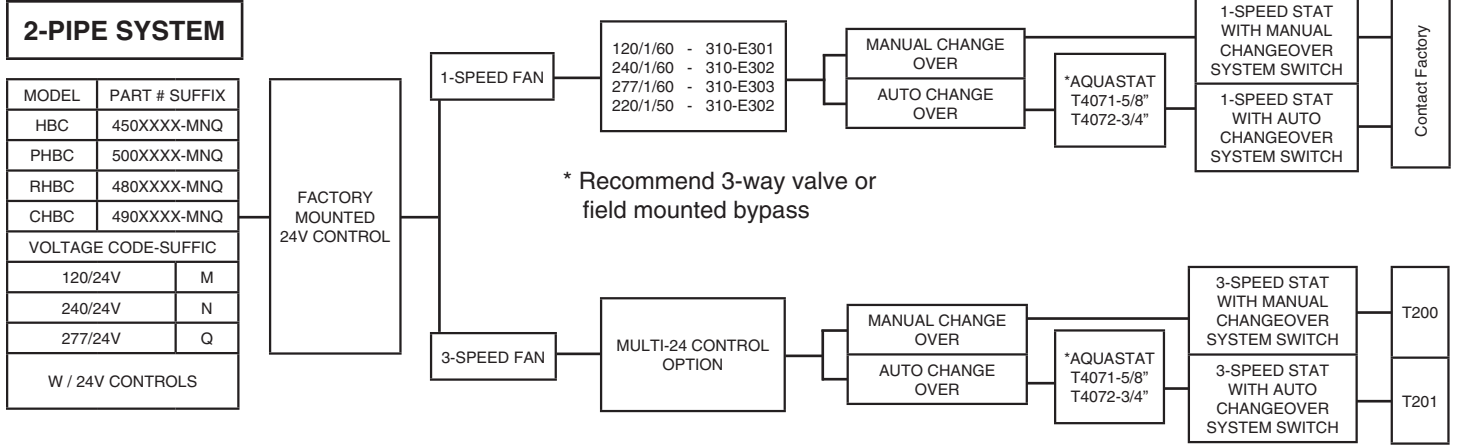
#### Add Options:

Y-Strainers, Pete's Plugs, Cleanout Blow-down, SS hose kits, Aqua Stats

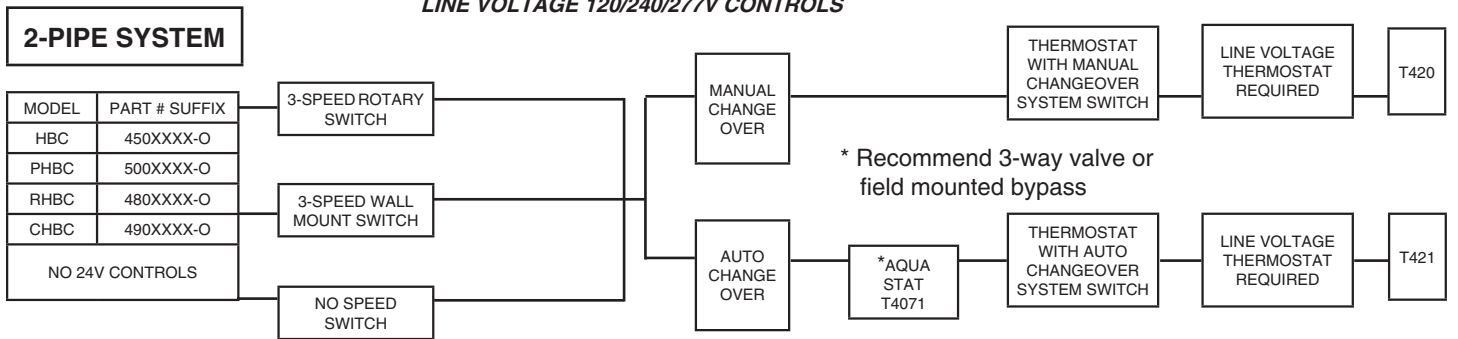
*Additional options and configurations may be available. Contact factory for availability.*

*Valve packages are available as kits or factory mounted on certain products. Contact factory for availability.*

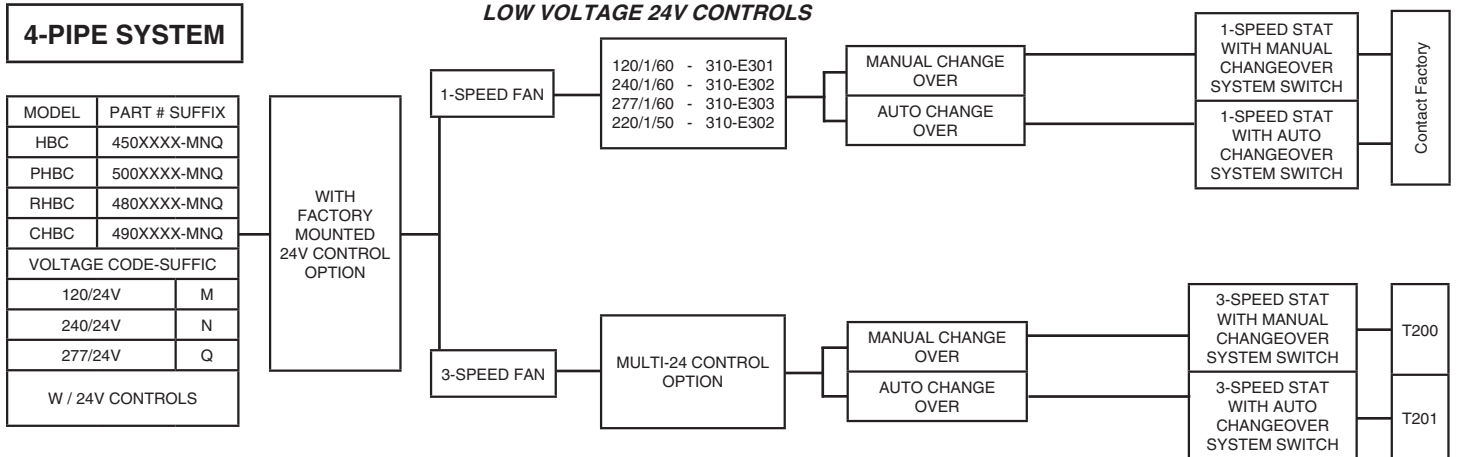
### LOW VOLTAGE 24V CONTROLS



### LINE VOLTAGE 120/240/277V CONTROLS



### LOW VOLTAGE 24V CONTROLS



### LINE VOLTAGE 120/240/277V CONTROLS

