

# PRPAC16

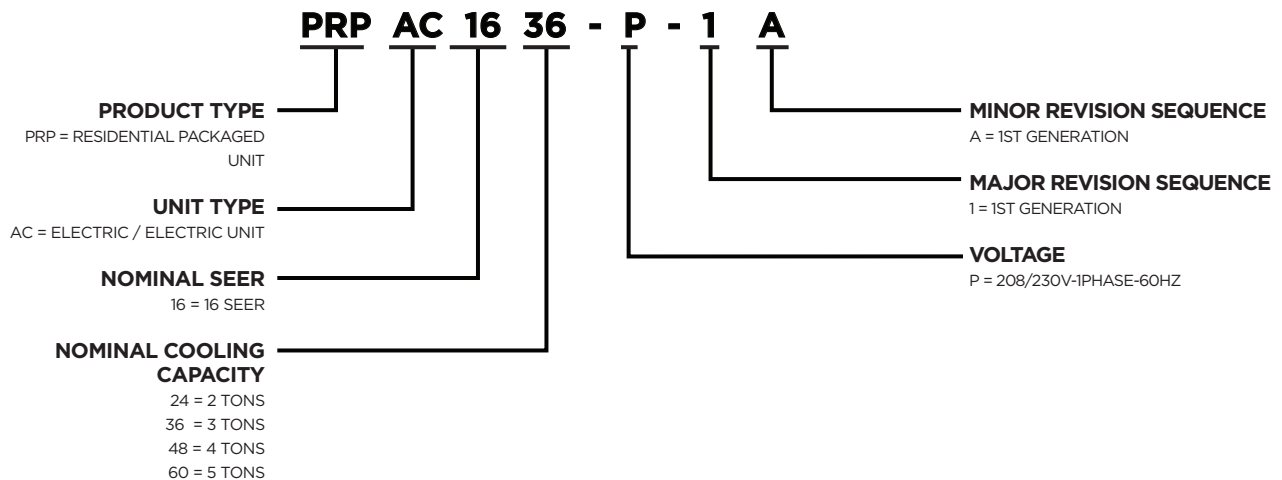
## PRODUCT SPECIFICATIONS

TWO STAGE COMPRESSOR  
VARIABLE SPEED BLOWER

FORM NO. PRPAC16-100 (11/2016)



### MODEL NUMBER



## FEATURES AND BENEFITS

### **WARRANTY**

10 year limited parts and compressor warranty. See limited warranty document for details.

### **APPLICATIONS**

Designed for outdoor installations at ground level or rooftop for residential and light commercial applications.

### **APPROVALS**

AHRI Certified to AHRI Standard 210/240-2008.

Units are design certified by ETL Intertek.

Cooling system rated according to DOE test procedures.

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

Packaged unit and components within bonded for grounding to meet safety standards required by UL.

Each unit test operated at the factory before shipment ensuring dependable operation at start-up.

### **ELECTRIC HEAT (5-20 KW)**

Field install internal to unit cabinet.

Available in several voltages and kw sizes.

Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life.

Cutoff limit control provides positive protection in case of excessive temperatures.

Factory assembled with controls installed and wired.

### **REFRIGERATION SYSTEM**

#### **R-410A Refrigerant**

Non-chlorine, ozone friendly, R-410A.

Unit pre-charged with refrigerant.

See Specification table.

#### **Evaporator and Condenser Coils**

Copper tube with aluminum fin coils.

#### **Anti-Microbial Evaporator Coil Drain Pan**

Microban® Anti-Microbial additive resists growth of mold and mildew on drain pan which improves indoor air quality and reduces drain line blockage.

Includes drain pan overflow switch. Monitors condensate level in drain pan, shuts down unit if drain becomes clogged.

#### **Condenser Fan**

Weather protected heavy duty condenser fan motor with coated steel swept wing fan blades for long life.

Internally mounted.

Totally enclosed motor.

Fan guard constructed of corrosion-resistant coated steel.

#### **High Pressure Switch**

Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.

Protects compressor from excessive condensing pressure. Automatic reset.

#### **Loss of Charge Switch**

Shuts off unit if suction pressure falls below setting.

Provides loss of charge and freeze-up protection.

### **SCROLL COMPRESSOR**

Copeland Scroll Ultra Tech™ Two-Stage Compressor

Compressor features high efficiency with uniform suction flow, constant discharge flow, high volumetric efficiency and quiet operation.

Compressor consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them. During compression, one scroll remains stationary while the other scroll orbits around it.

Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates.

As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced.

When the pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls. During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle.

Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.

Scroll compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to be worked toward the center and discharged.

During the compression process, there are several pockets in the scroll that are compressing gas. Modulation is achieved by venting a portion of the gas in the first suction pocket back to the low side of the compressor thereby reducing the effective displacement of the compressor.

A 24-volt DC solenoid valve inside the compressor controls staging. When the 3-way solenoid is energized it moves the lift ring assembly to block the ports and the compressor operates at full-load or 100% capacity. When the solenoid is de-energized the lift ring assembly moves to unblock the compressor ports and the compressor operates at part-load or approximately 67% of its full-load capacity.

The "loading" and "unloading" of the two stage scroll is done "on the fly" without shutting off the single-speed compressor motor between stages.

Low gas pulses during compression reduces operational sound levels.

Compressor motor is internally protected from excessive current and temperature.

Compressor is installed in the unit on specially formulated, resilient rubber mounts for better sound dampening and vibration free operation.

#### **Heavy Duty Compressor Blanket**

Durable PVC outer cover with sound insulating inner polyester fiber

### **OPTIONAL ACCESSORIES**

#### **Compressor Crankcase Heater**

Protects against refrigerant migration that can occur during low ambient operation.

#### **Compressor Hard Start Kit**

Single-phase units are equipped with a PSC compressor motor. This type of motor normally doesn't need a potential relay and start capacitor.

In conditions such as low voltage, this kit may be required to increase the compressor starting torque.

#### **Compressor Timed-Off Control**

Prevents compressor short-cycling and allows time for suction and discharge pressure to equalize. Permits compressor start-up in an unloaded condition. Automatic reset with 5 minute delay between compressor shut-off and start-up.

**SUPPLY AIR BLOWER****Direct Drive Blower**

Each blower wheel statically and dynamically balanced.

Multi-speed operation is achieved by the use of an ECM (Electronically Commutated Motor) variable speed motor.

See Blower Performance tables.

Blower assembly easily removed for servicing.

**ECM Variable Speed Blower Motor**

Variable speed motor maintains specified air volume from 0 though 0.80 in. w.g. static range.

Motor is controlled by the blower control.

Change in blower speed is easily accomplished by simple jumper pin change on blower control.

Motor is resiliently mounted.

**CONTROLS****Electronic Blower Control**

Two stages - HEAT and COOL (with four different air volume selections for each) are made by simple jumper pins.

ADJUST jumper pin allows approximately 10% higher, normal or 10% lower motor speed selection within (COOL) speeds selected for fine tuning air volume. See Blower Data tables.

NOTE - HEAT speeds are not affected by jumper change.

Cooling Airflow Ramp Up - At the beginning of a call for cooling, the blower will run at 82% of full airflow for 7.5 minutes. This improves the system's moisture removal and saves blower power during cooling start.

Reduced Airflow Operation - For situations where humidity control is an issue, the variable speed motor can be connected to operate at a 25% reduction in the normal airflow rate. The variable speed motor interface provides for connection of a thermostat with humidity control or a humidistat on the HUM terminal. When connected, the dehumidifier resistor on the interface must be cut. The control should be wired to open during high humidity, which will reduce blower airflow.

**24 Volt Transformer**

40VA transformer furnished and factory installed in control area.

**OPTIONAL ACCESORIES****Comfort Sync® Equipment Interface Module**

Allows Comfort Sync® Thermostats to be used with residential packaged units.

Contains all necessary relays and controls to operate the system and communicate with the Comfort Sync® Thermostat.

**NOTE - The Comfort Sync® Equipment Interface Module is required for proper operation of Comfort Sync® Thermostats with residential packaged units.**

**Comfort Sync® Thermostat**

The Comfort Sync® Thermostat recognizes and connects conventional heating/cooling products to automatically configure and control the system (based on user-specified settings) for the highest level of comfort, performance and efficiency.

Wi-Fi remote temperature monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Also displays service alerts and reminders.

A simple easy-to-use touchscreen allows complete system configuration. Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen.

One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away.

Weather-On-Demand - Live up-to-date weather data and five-day forecasts.

Easy to read 7-inch color screen (measured diagonally).

See the Comfort Sync® Thermostat Product Specifications bulletin in the Controls section for more information.

**CABINET**

Conditioned areas insulated with foil faced insulation to minimize heat loss and reduce operating sound levels.

Powder paint for maximum durability.

Easy service access.

Steel louvered panels provides complete coil protection.

**Airflow Choice**

Units are shipped in horizontal configuration and can be field converted to downflow (vertical) airflow with optional Downflow Conversion Kit.

**Gas Piping Inlets, Electrical Inlets and Service Valves**

Gas piping and field wiring inlets are located in one central area of the cabinet. See dimension drawing.

Gauge ports located inside compressor service compartment of the cabinet.

**INDOOR AIR QUALITY****PCO Accessory**

The PCO Accessory uses photocatalytic oxidation (PCO) technology to significantly reduce levels of airborne volatile organic compounds, cooking odors, common household odors, airborne dust particles, mold spores and pollen.

PCO Accessory is mounted internally to the unit cabinet for superior indoor air quality.

Kit contains PCO cartridge, UVA lamp, UVA lampholder assembly, ballast box, wiring harness and all necessary hardware.

**Internal Filter Rack Kits**

Available for 1 in. thick filters. Kit contains filter rails for mounting filters internal to unit. Filters are not furnished and must be field provided.

NOTE - The Internal Filter Rack Kit cannot be used with the PCO Accessory.

NOTE - Maximum acceptable filter efficiency is MERV 11.

**SPECIFICATIONS**

| GENERAL DATA                                  | MODEL NO.                             | PRPAC1624         | PRPAC1636     | PRPAC1648     | PRPAC1660    |
|---|---------------------------------------|-------------------|---------------|---------------|--------------|
|   | NOMINAL TONNAGE                       | 2                 | 3             | 4             | 5            |
| COOLING PERFORMANCE                           | Total cooling capacity - Btuh         | 23,800            | 35,400        | 47,500        | 57,000       |
|   | Total Unit Watts                      | 1900              | 2950          | 3960          | 4750         |
|   | <sup>1</sup> SEER (Btuh/Watt)         | 16.0              | 16.0          | 16.0          | 16.0         |
|   | EER (Btuh/Watt)                       | 12.5              | 12.0          | 12.0          | 12.0         |
|   | <sup>2</sup> Sound Rating Number (dB) | 73                | 74            | 73            | 74           |
| REFRIGERANT                                   | Type                                  | R-410A            | R-410A        | R-410A        | R-410A       |
|   | Charge                                | 5 lbs. 7 oz.      | 5 lbs. 12 oz. | 6 lbs. 10 oz. | 9 lbs. 1 oz. |
| CONDENSATE DRAIN SIZE (FPT) - IN.             |                                       | 3/4               | 3/4           | 3/4           | 3/4          |
| OUTDOOR COIL                                  | Net Face Area - sq. ft.               | 14.6              | 16.4          | 19.5          | 19.1         |
|   | Tube Dia. - in. and No. of Rows       | 5/16 - 1          | 5/16 - 1      | 5/16 - 1      | 5/16 - 2     |
|   | Fins per inch                         | 26                | 26            | 26            | 22           |
| OUTDOOR COIL FAN                              | Motor horsepower                      | 1/6               | 1/6           | 1/4           | 1/4          |
|   | Dia. - in. and No. of blades          | 22 - 3            | 22 - 3        | 24 - 3        | 24 - 3       |
| INDOOR COIL                                   | Net Face Area - sq. ft.               | 4.4               | 4.4           | 6.8           | 6.8          |
|   | Tube Dia. - in. and No. of rows       | 3/8 - 3           | 3/8 - 3       | 3/8 - 3       | 3/8 - 3      |
|   | Fins per in.                          | 15                | 15            | 15            | 15           |
| INDOOR BLOWER                                 | Blower wheel size dia. x width - in.  | 10 x 6            | 10 x 8        | 10 x 10       | 12 x 9       |
|   | Motor horsepower                      | 1/2               | 1/2           | 3/4           | 1            |
| NET WEIGHT OF BASIC UNIT - LBS.               |                                       | 348               | 351           | 444           | 482          |
| SHIPPING WEIGHT OF BASIC UNIT (1 PKG.) - LBS. |                                       | 411               | 414           | 517           | 555          |
| ELECTRICAL CHARACTERISTICS (60 HZ)            |                                       | 208/230V-1ph-60Hz |               |               |              |

NOTE-Extremes of operating range are plus and minus 10% of line voltage.

<sup>1</sup> AHRI Certified to AHRI Standard 210/240; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air.

<sup>2</sup> Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

<sup>3</sup> HACR type circuit breaker or fuse.

<sup>4</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

| OPTIONAL ACCESSORIES - ORDER SEPARATELY   |                           |           |           |           |           |   |
|---|---------------------------|-----------|-----------|-----------|-----------|---|
| MODEL NO.   |                           | PRPAC1624 | PRPAC1636 | PRPAC1648 | PRPAC1660 |   |
| COMPRESSOR CRANKCASE HEATER   | 11X27                     | •         | •         | •         | •         |   |
| COMPRESSOR HARD START KIT   | 10J42                     | •         | •         |           |           |   |
|   | 12J90                     |           |           | •         | •         |   |
| COMPRESSOR TIMED-OFF CONTROL  | 47J27                     | •         | •         | •         | •         |   |
| DOWNFLOW CONVERSION KIT   | 1.851401                  | •         | •         |           |           |   |
|   | 1.851402                  |           |           | •         | •         |   |
| HORIZONTAL DISCHARGE RECT. TO 14" ROUNDS<br>DUCT ADAPTER (QTY 25 SETS)                          | R104617-01                | •         | •         |           |           |   |
|   | R104618-01                |           |           | •         | •         |   |
| <sup>1,2</sup> INTERNAL FILTER<br>RACK KIT (FILTERS NOT<br>FURNISHED)                           | (1) 20 x 20 + (1) 14 x 20 | 11U73     | •         | •         |           |   |
|   | (2) 20 x 20               | 11U74     |           | •         | •         |   |
| LIFTING BRACKETS  | 11U76                     | •         | •         | •         | •         |   |
| CLIP CURBS  | 8 in. Height              | 14W71     | •         | •         |           |   |
|   |                           | 14W72     |           |           | •         |   |
|   | 14 in. Height             | 14V68     | •         | •         |           |   |
|   |                           | 14V69     |           |           | •         | • |
| ADJUSTABLE PITCH ROOF CURB<br>AVAILABLE 3RD PARTY ONLY. SEE PAGE 12                             |                           | •         | •         |           |           |   |
|   |                           |           |           | •         | •         |   |
| <sup>2</sup> HEALTHY CLIMATE® PCO ACCESSORY   | Y7960                     | •         | •         | •         | •         |   |
| MAINTENANCE SUPPLIES - ORDER SEPARATELY   |                           |           |           |           |           |   |
| HEALTHY CLIMATE® PCO ACCESSORY MAINTENANCE<br>KIT (INCLUDES PUREAIR™ CARTRIDGE AND UVA<br>LAMP) | Y7972                     | •         | •         | •         | •         |   |
| CONTROLS - ORDER SEPARATELY   |                           |           |           |           |           |   |
| COMFORT SYNC® WI-FI THERMOSTAT  | 1.841197                  | •         | •         | •         | •         |   |
| EQUIPMENT INTERFACE MODULE (EIM) - REQUIRED<br>WITH COMFORT SYNC THERMOSTAT                     | R104785-0                 | •         | •         | •         | •         |   |
| <sup>3</sup> OUTDOOR AIR TEMPERATURE SENSOR   | X2658                     | •         | •         | •         | •         |   |
| <sup>4</sup> DISCHARGE AIR TEMPERATURE SENSOR   | 88K38                     | •         | •         | •         | •         |   |

<sup>1</sup> Filters are not furnished and must be field provided. Maximum acceptable filter efficiency is MERV 11.

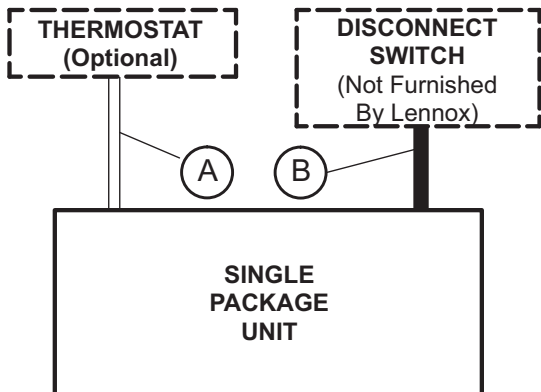
<sup>2</sup> Filter Rack Kit cannot be used with the PCO Accessory.

<sup>3</sup> Remote Outdoor Temperature Sensor is used with residential packaged units. Allows the thermostat to display outdoor temperature.

<sup>4</sup> Used with the Comfort Sync Wi-Fi® Thermostats for optional service diagnostics

| OPTIONAL ACCESSORIES - ORDER SEPARATELY |  |       |           |           |           |           |
|---|--|-------|-----------|-----------|-----------|-----------|
| MODEL NO.                               |  |       | PRPAC1624 | PRPAC1636 | PRPAC1648 | PRPAC1660 |
| ELECTRIC<br>HEAT SIZE -<br>208/240V-1PH | 5 kW - PHK05BP                         | 10W47 | •         | •         | •         | •         |
|   | 7.5 kW - PHK07BP                       | 10W48 | •         | •         | •         | •         |
|   | 10 kW - PHK10BP                        | 10W49 | •         | •         | •         | •         |
|   | 15 kW - PHK15BP                        | 10W50 |           | •         | •         | •         |
|   | 20 kW - PHK20BP                        | 10W51 |           |           | •         | •         |
| SINGLE<br>POINT<br>POWER<br>KITS        | FOR 5 KW ELECTRIC HEAT ASPWR813-10     |       | 13W88     | •         | •         | •         |
|   | FOR 7.5 KW ELECTRIC HEAT ASPWR814-10   |       | 13W89     | •         | •         | •         |
|   | FOR 10 KW ELECTRIC HEAT ASPWR815-10    |       | 13W90     | •         | •         | •         |
|   | FOR 15-20 KW ELECTRIC HEAT ASPWR816-10 |       | 13W91     |           | •         | •         |

**FIELD WIRING**



A – Seven Wire Low Voltage (Electronic)

B – Two Wire Power (See Electrical Data Table)

– Field Wiring Not Furnished –

**ELECTRIC HEAT CAPACITIES**

| INPUT VOLTAGE | 5 KW        |          |              | 7.5 KW      |          |              | 10 KW       |          |              | 15 KW       |          |              | 20 KW       |          |              |
|---------------|-------------|----------|--------------|-------------|----------|--------------|-------------|----------|--------------|-------------|----------|--------------|-------------|----------|--------------|
|               | NO OF STEPS | KW INPUT | KBTUH OUTPUT | NO OF STEPS | KW INPUT | KBTUH OUTPUT | NO OF STEPS | KW INPUT | KBTUH OUTPUT | NO OF STEPS | KW INPUT | KBTUH OUTPUT | NO OF STEPS | KW INPUT | KBTUH OUTPUT |
| 208           | 1           | 3.8      | 12.8         | 1           | 5.6      | 19.2         | 1           | 7.5      | 25.6         | 1           | 11.2     | 38.2         | 1           | 15       | 51.2         |
| 220           | 1           | 4.2      | 14.3         | 1           | 6.3      | 21.5         | 1           | 8.4      | 28.7         | 1           | 12.6     | 43           | 1           | 16.8     | 57.3         |
| 230           | 1           | 4.6      | 15.7         | 1           | 6.9      | 23.5         | 1           | 9.2      | 31.3         | 1           | 13.8     | 47           | 1           | 18.4     | 62.7         |
| 240           | 1           | 5        | 17.1         | 1           | 7.5      | 25.6         | 1           | 10       | 34.1         | 1           | 15       | 51.2         | 1           | 20       | 68.2         |

**ELECTRICAL/ELECTRICAL HEAT DATA**

| MODEL NO.  |  |             |      | PRPAC1624 |      | PRPAC1636 |      | PRPAC1648 |      | PRPAC1660 |      |      |
|--|--|-------------|------|-----------|------|-----------|------|-----------|------|-----------|------|------|
| LINE VOLTAGE DATA - 60HZ - 1 PHASE   |  |             |      | 208/230V  |      | 208/230V  |      | 208/230V  |      | 208/230V  |      |      |
| <b>COMPRESSOR</b>  | Rated Load Amps  |             |      | 11.7      |      | 16.1      |      | 21.2      |      | 27.1      |      |      |
|  | Locked Rotor Amps  |             |      | 58.3      |      | 83.0      |      | 104.0     |      | 152.9     |      |      |
| <b>OUTDOOR FAN MOTOR</b>   | Full Load Amps   |             |      | 1.2       |      | 1.4       |      | 2.3       |      | 2.4       |      |      |
| <b>INDOOR BLOWER MOTOR</b>   | Full Load Amps   |             |      | 1.7       |      | 3.6       |      | 4.5       |      | 5.5       |      |      |
| <b><sup>1</sup> MAXIMUM OVERCURRENT PROTECTION</b>   | <b>VOLTAGE</b>   |             |      | 208V      | 240V | 208V      | 240V | 208V      | 240V | 208V      | 240V |      |
|  | <b>UNIT ONLY</b>   | Circuit 1   |      |           | 25   | 25        | 35   | 35        | 50   | 50        | 70   | 70   |
|  |  | Circuit 2   |      |           | ---  | ---       | 25   | 30        | 25   | 30        | 25   | 30   |
|  | <b>5 KW</b>  | Circuit 1   |      |           | 25   | 30        | 30   | 30        | 30   | 30        | 30   | 35   |
|  | <b>7.5 KW</b>  | Circuit 1   |      |           | 40   | 45        | 40   | 45        | 40   | 45        | 40   | 45   |
|  | <b>10 KW</b>   | Circuit 1   |      |           | 50   | 60        | 50   | 60        | 50   | 60        | 60   | 60   |
|  | <b><sup>3</sup> 15 KW</b>  | Circuit 1   |      |           | ---  | ---       | 50   | 60        | 50   | 60        | 60   | 60   |
|  |  | Circuit 2   |      |           | ---  | ---       | ---  | ---       | 50   | 60        | 50   | 60   |
| <b><sup>1</sup> MAXIMUM OVERCURRENT PROTECTION WITH OPTIONAL SINGLE POINT POWER SUPPLY</b> | <b>5 KW</b>  |             |      | 25        | 30   | 35        | 35   | 45        | 45   | 60        | 60   |      |
|  | <b>7.5 KW</b>  |             |      | 40        | 45   | 40        | 45   | 45        | 45   | 60        | 60   |      |
|  | <b>10 KW</b>   |             |      | 50        | 60   | 50        | 60   | 50        | 60   | 60        | 60   |      |
|  | <b>15 KW</b>   |             |      | ---       | ---  | 80        | 90   | 80        | 90   | 80        | 90   |      |
|  | <b>20 KW</b>   |             |      | ---       | ---  | ---       | ---  | 100       | 110  | 100       | 110  |      |
| <b><sup>2</sup> MINIMUM CIRCUIT AMPACITY</b>   | <b>UNIT ONLY</b>   | Circuit 1   |      |           | 17   | 17        | 22.7 | 22.7      | 31.3 | 31.3      | 41.7 | 41.7 |
|  |  | Circuit 2   |      |           | ---  | ---       | 22.6 | 26.0      | 22.6 | 26        | 22.5 | 26.0 |
|  | <b>5 KW</b>  | Circuit 1   |      |           | 24   | 27.4      | 25.5 | 28.9      | 26.5 | 29.9      | 27.6 | 31.0 |
|  | <b>7.5 KW</b>  | Circuit 1   |      |           | 35.2 | 40.4      | 36.7 | 41.9      | 37.7 | 42.9      | 38.8 | 44.1 |
|  | <b>10 KW</b>   | Circuit 1   |      |           | 46.5 | 53.5      | 48.0 | 55.0      | 49.0 | 56.0      | 50.1 | 57.1 |
|  | <b><sup>3</sup> 15 KW</b>  | Circuit 1   |      |           | ---  | ---       | 48.0 | 55.0      | 49.0 | 56.0      | 50.1 | 57.1 |
|  |  | Circuit 2   |      |           | ---  | ---       | ---  | ---       | 45.1 | 52.1      | 45.1 | 52.1 |
|  | <b><sup>2</sup> MINIMUM CIRCUIT AMPACITY WITH OPTIONAL SINGLE POINT POWER SUPPLY</b> | <b>5 KW</b> |      |           | 24.0 | 27.4      | 25.5 | 28.9      | 28.2 | 29.9      | 37.7 | 37.7 |
| <b>7.5 KW</b>  |  |             | 35.2 | 40.4      | 36.7 | 41.9      | 37.7 | 42.9      | 38.8 | 44.1      |      |      |
| <b>10 KW</b>   |  |             | 46.5 | 53.5      | 48.0 | 55.0      | 49.0 | 56.0      | 50.1 | 57.1      |      |      |
| <b>15 KW</b>   |  |             | ---  | ---       | ---  | ---       | 74.6 | 82.0      | 72.7 | 83.1      |      |      |
| <b>20 KW</b>   |  |             | ---  | ---       | ---  | ---       | 94.2 | 108.0     | 95.3 | 109.2     |      |      |

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.  
 NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.  
 NOTE- Extremes of operating range are plus and minus 10% of line voltage.  
<sup>1</sup> HACR type breaker or fuse.  
<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.  
<sup>3</sup> A separate compressor circuit is required.

# COOLING RATINGS

| 2 TON - PRPAC1624 (1ST STAGE) |                |   |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|-------------------------------|----------------|---|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|------|
| ENTERING WET BULB TEMPERATURE | TOTAL AIR VOL. | OUTDOOR AIR TEMPERATURE ENTERING OUTDOOR COIL |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|                               |                | 65°F  |                   |                               |      |       | 75°F            |                   |                               |      |       | 85°F            |                   |                               |      |       | 95°F            |                   |                               |      |      |
|                               |                | TOTAL COOL CAP.                               | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |      |
|                               |                |   |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |      |
| CFM                           | KBTUH          | KW  | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F |      |
| 63°F                          | 500            | 20.4  | 7.3               | 0.72                          | 0.85 | 0.99  | 19.3            | 8.4               | 0.73                          | 0.87 | 1.00  | 18.3            | 9.7               | 0.75                          | 0.90 | 1.00  | 17.2            | 11.2              | 0.77                          | 0.93 | 1.00 |
|                               | 560            | 20.9  | 7.3               | 0.74                          | 0.89 | 1.00  | 19.8            | 8.4               | 0.76                          | 0.91 | 1.00  | 18.8            | 9.7               | 0.77                          | 0.94 | 1.00  | 17.6            | 11.2              | 0.80                          | 0.98 | 1.00 |
|                               | 610            | 21.3  | 7.2               | 0.76                          | 0.92 | 1.00  | 20.1            | 8.4               | 0.78                          | 0.95 | 1.00  | 19.0            | 9.6               | 0.80                          | 0.98 | 1.00  | 17.9            | 11.1              | 0.82                          | 1.00 | 1.00 |
| 67°F                          | 500            | 21.9  | 7.2               | 0.56                          | 0.69 | 0.82  | 20.7            | 8.3               | 0.57                          | 0.71 | 0.84  | 19.6            | 9.6               | 0.58                          | 0.72 | 0.87  | 18.5            | 11.1              | 0.59                          | 0.74 | 0.89 |
|                               | 560            | 22.3  | 7.1               | 0.58                          | 0.72 | 0.86  | 21.1            | 8.2               | 0.59                          | 0.74 | 0.88  | 19.9            | 9.5               | 0.60                          | 0.76 | 0.90  | 18.8            | 11.0              | 0.61                          | 0.78 | 0.94 |
|                               | 610            | 22.7  | 7.1               | 0.59                          | 0.74 | 0.89  | 21.4            | 8.2               | 0.60                          | 0.76 | 0.92  | 20.1            | 9.5               | 0.62                          | 0.78 | 0.95  | 19.0            | 11.0              | 0.63                          | 0.81 | 0.98 |
| 71°F                          | 500            | 23.4  | 7.0               | 0.42                          | 0.55 | 0.66  | 22.2            | 8.1               | 0.43                          | 0.55 | 0.68  | 20.9            | 9.4               | 0.43                          | 0.57 | 0.70  | 19.8            | 10.9              | 0.43                          | 0.58 | 0.72 |
|                               | 560            | 23.9  | 7.0               | 0.43                          | 0.56 | 0.69  | 22.6            | 8.1               | 0.43                          | 0.57 | 0.71  | 21.3            | 9.4               | 0.44                          | 0.59 | 0.73  | 20.1            | 10.8              | 0.44                          | 0.60 | 0.75 |
|                               | 610            | 24.2  | 6.9               | 0.43                          | 0.58 | 0.72  | 22.9            | 8.0               | 0.44                          | 0.59 | 0.74  | 21.6            | 9.3               | 0.44                          | 0.60 | 0.76  | 20.4            | 10.8              | 0.45                          | 0.62 | 0.78 |

| 2 TON - PRPAC1624 (2ND STAGE) |                  |   |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|-------------------------------|------------------|---|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|------|
| ENTERING WET BULB TEMPERATURE | TOTAL AIR VOLUME | OUTDOOR AIR TEMPERATURE ENTERING OUTDOOR COIL |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|                               |                  | 85°F  |                   |                               |      |       | 95°F            |                   |                               |      |       | 105°F           |                   |                               |      |       | 115°F           |                   |                               |      |      |
|                               |                  | TOTAL COOL CAP.                               | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |      |
|                               |                  |   |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |      |
| CFM                           | KBTUH            | KW  | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F |      |
| 63°F                          | 600              | 23.9  | 15.9              | 0.72                          | 0.86 | 1.00  | 22.6            | 17.5              | 0.74                          | 0.88 | 1.00  | 21.4            | 19.6              | 0.75                          | 0.91 | 1.00  | 20.0            | 21.7              | 0.77                          | 0.94 | 1.00 |
|                               | 800              | 25.2  | 16.0              | 0.80                          | 0.97 | 1.00  | 23.9            | 17.6              | 0.81                          | 1.00 | 1.00  | 22.7            | 19.6              | 0.83                          | 1.00 | 1.00  | 21.5            | 21.8              | 0.85                          | 1.00 | 1.00 |
|                               | 1000             | 26.6  | 16.1              | 0.86                          | 1.00 | 1.00  | 25.3            | 17.7              | 0.88                          | 1.00 | 1.00  | 24.0            | 19.6              | 0.90                          | 1.00 | 1.00  | 22.7            | 21.9              | 0.93                          | 1.00 | 1.00 |
| 67°F                          | 600              | 25.5  | 16.0              | 0.57                          | 0.70 | 0.83  | 24.2            | 17.6              | 0.58                          | 0.71 | 0.85  | 22.8            | 19.5              | 0.59                          | 0.73 | 0.88  | 21.4            | 21.9              | 0.60                          | 0.75 | 0.90 |
|                               | 800              | 26.8  | 16.1              | 0.61                          | 0.78 | 0.94  | 25.4            | 17.7              | 0.62                          | 0.80 | 0.98  | 23.9            | 19.6              | 0.64                          | 0.83 | 1.00  | 22.4            | 21.8              | 0.65                          | 0.85 | 1.00 |
|                               | 1000             | 27.7  | 16.1              | 0.66                          | 0.86 | 1.00  | 26.2            | 17.7              | 0.68                          | 0.89 | 1.00  | 24.6            | 19.6              | 0.70                          | 0.92 | 1.00  | 23.0            | 21.9              | 0.72                          | 0.96 | 1.00 |
| 71°F                          | 600              | 27.3  | 16.1              | 0.43                          | 0.55 | 0.67  | 25.9            | 17.7              | 0.43                          | 0.56 | 0.69  | 24.5            | 19.6              | 0.43                          | 0.57 | 0.71  | 23.0            | 22.0              | 0.44                          | 0.58 | 0.73 |
|                               | 800              | 28.6  | 16.2              | 0.44                          | 0.60 | 0.76  | 27.0            | 17.8              | 0.45                          | 0.61 | 0.78  | 25.5            | 19.6              | 0.45                          | 0.63 | 0.81  | 23.9            | 21.8              | 0.46                          | 0.65 | 0.84 |
|                               | 1000             | 29.4  | 16.2              | 0.46                          | 0.65 | 0.84  | 27.8            | 17.8              | 0.47                          | 0.67 | 0.87  | 26.1            | 19.7              | 0.48                          | 0.69 | 0.91  | 24.4            | 21.9              | 0.49                          | 0.72 | 1.00 |

| 3 TON - PRPAC1636 (1ST STAGE) |                  |   |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|-------------------------------|------------------|---|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|------|
| ENTERING WET BULB TEMPERATURE | TOTAL AIR VOLUME | OUTDOOR AIR TEMPERATURE ENTERING OUTDOOR COIL |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|                               |                  | 65°F  |                   |                               |      |       | 75°F            |                   |                               |      |       | 85°F            |                   |                               |      |       | 95°F            |                   |                               |      |      |
|                               |                  | TOTAL COOL CAP.                               | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |      |
|                               |                  |   |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |      |
| CFM                           | KBTUH            | KW  | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F |      |
| 63°F                          | 760              | 29.0  | 10.8              | 0.74                          | 0.88 | 1.00  | 27.5            | 12.3              | 0.75                          | 0.90 | 1.00  | 26.0            | 14.2              | 0.77                          | 0.93 | 1.00  | 24.4            | 16.3              | 0.79                          | 0.96 | 1.00 |
|                               | 840              | 29.6  | 10.8              | 0.76                          | 0.92 | 1.00  | 28.1            | 12.3              | 0.78                          | 0.94 | 1.00  | 26.5            | 14.1              | 0.80                          | 0.97 | 1.00  | 25.1            | 16.3              | 0.82                          | 1.00 | 1.00 |
|                               | 920              | 30.1  | 10.7              | 0.78                          | 0.95 | 1.00  | 28.6            | 12.2              | 0.80                          | 0.98 | 1.00  | 26.9            | 14.1              | 0.83                          | 1.00 | 1.00  | 25.6            | 16.2              | 0.84                          | 1.00 | 1.00 |
| 67°F                          | 760              | 31.1  | 10.7              | 0.58                          | 0.71 | 0.84  | 29.5            | 12.2              | 0.58                          | 0.73 | 0.87  | 27.8            | 14.0              | 0.59                          | 0.75 | 0.90  | 26.2            | 16.2              | 0.61                          | 0.77 | 0.93 |
|                               | 840              | 31.7  | 10.6              | 0.59                          | 0.74 | 0.88  | 30.0            | 12.1              | 0.60                          | 0.75 | 0.91  | 28.3            | 14.0              | 0.61                          | 0.78 | 0.94  | 26.6            | 16.1              | 0.63                          | 0.80 | 0.98 |
|                               | 920              | 32.1  | 10.6              | 0.60                          | 0.76 | 0.92  | 30.4            | 12.1              | 0.62                          | 0.78 | 0.95  | 28.7            | 14.0              | 0.63                          | 0.81 | 0.99  | 28.9            | 16.0              | 0.60                          | 0.78 | 0.94 |
| 71°F                          | 760              | 33.4  | 10.5              | 0.43                          | 0.56 | 0.68  | 31.7            | 12.0              | 0.43                          | 0.57 | 0.70  | 29.9            | 13.9              | 0.44                          | 0.58 | 0.72  | 28.2            | 16.0              | 0.44                          | 0.59 | 0.74 |
|                               | 840              | 33.9  | 10.4              | 0.43                          | 0.57 | 0.71  | 32.2            | 11.9              | 0.44                          | 0.58 | 0.73  | 30.4            | 13.8              | 0.44                          | 0.60 | 0.75  | 28.5            | 16.0              | 0.45                          | 0.61 | 0.78 |
|                               | 920              | 34.4  | 10.4              | 0.44                          | 0.59 | 0.74  | 32.6            | 11.9              | 0.44                          | 0.60 | 0.76  | 30.8            | 13.8              | 0.45                          | 0.62 | 0.78  | 27.2            | 16.1              | 0.48                          | 0.67 | 0.86 |

| 3 TON - PRPAC1636 (2ND STAGE) |                  |   |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|-------------------------------|------------------|---|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|-------|-----------------|-------------------|-------------------------------|------|------|
| ENTERING WET BULB TEMPERATURE | TOTAL AIR VOLUME | OUTDOOR AIR TEMPERATURE ENTERING OUTDOOR COIL |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |       |                 |                   |                               |      |      |
|                               |                  | 85°F  |                   |                               |      |       | 95°F            |                   |                               |      |       | 105°F           |                   |                               |      |       | 115°F           |                   |                               |      |      |
|                               |                  | TOTAL COOL CAP.                               | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |       | TOTAL COOL CAP. | COMP. MOTOR INPUT | SENSIBLE TO TOTAL RATIO (S/T) |      |      |
|                               |                  |   |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |       |                 |                   | DRY BULB                      |      |      |
| CFM                           | KBTUH            | KW  | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F | KBTUH | KW              | 75°F              | 80°F                          | 85°F |      |
| 63°F                          | 1000             | 36.5  | 23.9              | 0.74                          | 0.90 | 1.00  | 34.6            | 26.5              | 0.77                          | 0.92 | 1.00  | 32.6            | 29.4              | 0.78                          | 0.95 | 1.00  | 30.6            | 32.8              | 0.80                          | 0.99 | 1.00 |
|                               | 1200             | 37.6  | 24.0              | 0.79                          | 0.95 | 1.00  | 35.7            | 26.6              | 0.82                          | 0.98 | 1.00  | 33.9            | 29.6              | 0.83                          | 1.00 | 1.00  | 32.1            | 33.0              | 0.85                          | 1.00 | 1.00 |
|                               | 1400             | 38.9  | 24.2              | 0.83                          | 1.00 | 1.00  | 37.1            | 26.8              | 0.86                          | 1.00 | 1.00  | 35.2            | 29.8              | 0.88                          | 1.00 | 1.00  | 33.4            | 33.1              | 0.90                          | 1.00 | 1.00 |
| 67°F                          | 1000             | 38.9  | 24.2              | 0.58                          | 0.73 | 0.87  | 36.9            | 26.8              | 0.59                          | 0.74 | 0.89  | 34.8            | 29.7              | 0.60                          | 0.76 | 0.92  | 32.7            | 33.1              | 0.62                          | 0.79 | 0.96 |
|                               | 1200             | 40.0  | 24.3              | 0.61                          | 0.78 | 0.95  | 37.9            | 26.9              | 0.63                          | 0.80 | 0.98  | 36.0            | 29.8              | 0.63                          | 0.82 | 0.98  | 33.4            | 33.1              | 0.66                          | 0.86 | 1.00 |
|                               | 1400             | 40.6  | 24.4              | 0.65                          | 0.83 | 1.00  | 38.6            | 27.0              | 0.66                          | 0.86 | 1.00  | 36.3            | 29.9              | 0.68                          | 0.90 | 1.00  | 34.1            | 33.2              | 0.70                          | 0.93 | 1.00 |
| 71°F                          | 1000             | 41.4  | 24.5              | 0.43                          | 0.57 | 0.70  | 39.3            | 27.0              | 0.43                          | 0.58 | 0.72  | 37.0            | 30.0              | 0.44                          | 0.59 | 0.74  | 34.9            | 33.3              | 0.44                          | 0.61 | 0.77 |
|                               | 1200             | 42.5  | 24.6              | 0.44                          | 0.60 | 0.76  | 40.2            | 27.1              | 0.45                          | 0.62 | 0.78  | 37.9            | 30.1              | 0.45                          | 0.63 | 0.79  | 35.8            | 33.4              | 0.45                          | 0.65 | 0.81 |
|                               | 1400             | 43.3  | 24.7              | 0.46                          | 0.64 | 0.80  | 41.1            | 27.2              | 0.46                          | 0.65 | 0.84  | 38.7            | 30.2              | 0.47                          | 0.67 | 0.88  | 36.3            | 33.5              | 0.47                          | 0.70 | 0.88 |





### BLOWER DATA

| PRPAC1624 BLOWER PERFORMANCE<br>0 THROUGH 0.80 IN. W.G. EXTERNAL STATIC PRESSURE RANGE |                                       |     |     |     |                    |      |     |     |                              |     |     |     |
|--|---------------------------------------|-----|-----|-----|--------------------|------|-----|-----|------------------------------|-----|-----|-----|
| "ADJUST"<br>JUMPER<br>SETTING  | BLOWER CONTROL JUMPER SPEED POSITIONS |     |     |     |                    |      |     |     |                              |     |     |     |
|  | "COOL" SPEED - CFM                    |     |     |     | "HEAT" SPEED - CFM |      |     |     | "CONTINUOUS FAN" SPEED - CFM |     |     |     |
|  | A                                     | B   | C   | D   | A                  | B    | C   | D   | A                            | B   | C   | D   |
| +  | 1100                                  | 880 | 660 | 440 | 1100               | 1000 | 900 | 815 | 550                          | 440 | 330 | 220 |
| NORM   | 1000                                  | 800 | 600 | 400 | 1100               | 1000 | 900 | 815 | 500                          | 400 | 300 | 200 |
| -  | 900                                   | 720 | 540 | 360 | 1100               | 1000 | 900 | 815 | 450                          | 360 | 270 | 180 |

NOTE - All air data is measured external to unit without air filters.

| PRPAC1636 BLOWER PERFORMANCE<br>0 THROUGH 0.80 IN. W.G. EXTERNAL STATIC PRESSURE RANGE |                                       |      |      |     |                    |      |      |     |                              |     |     |     |
|--|---------------------------------------|------|------|-----|--------------------|------|------|-----|------------------------------|-----|-----|-----|
| "ADJUST"<br>JUMPER<br>SETTING  | BLOWER CONTROL JUMPER SPEED POSITIONS |      |      |     |                    |      |      |     |                              |     |     |     |
|  | "COOL" SPEED - CFM                    |      |      |     | "HEAT" SPEED - CFM |      |      |     | "CONTINUOUS FAN" SPEED - CFM |     |     |     |
|  | A                                     | B    | C    | D   | A                  | B    | C    | D   | A                            | B   | C   | D   |
| +  | 1540                                  | 1320 | 1100 | 880 | 1400               | 1200 | 1100 | 975 | 770                          | 660 | 550 | 440 |
| NORM   | 1400                                  | 1200 | 1000 | 800 | 1400               | 1200 | 1100 | 975 | 700                          | 600 | 500 | 400 |
| -  | 1260                                  | 1080 | 900  | 720 | 1400               | 1200 | 1100 | 975 | 630                          | 540 | 450 | 360 |

NOTE - All air data is measured external to unit without air filters.

| PRPAC1648 BLOWER PERFORMANCE<br>0 THROUGH 0.80 IN. W.G. EXTERNAL STATIC PRESSURE RANGE |                                       |      |      |      |                    |      |      |      |                              |     |     |     |
|--|---------------------------------------|------|------|------|--------------------|------|------|------|------------------------------|-----|-----|-----|
| "ADJUST"<br>JUMPER<br>SETTING  | BLOWER CONTROL JUMPER SPEED POSITIONS |      |      |      |                    |      |      |      |                              |     |     |     |
|  | "COOL" SPEED - CFM                    |      |      |      | "HEAT" SPEED - CFM |      |      |      | "CONTINUOUS FAN" SPEED - CFM |     |     |     |
|  | A                                     | B    | C    | D    | A                  | B    | C    | D    | A                            | B   | C   | D   |
| +  | 1980                                  | 1760 | 1540 | 1320 | 1350               | 1200 | 1100 | 1000 | 990                          | 880 | 770 | 660 |
| NORM   | 1800                                  | 1600 | 1400 | 1200 | 1350               | 1200 | 1100 | 1000 | 900                          | 800 | 700 | 600 |
| -  | 1620                                  | 1440 | 1260 | 1080 | 1350               | 1200 | 1100 | 1000 | 810                          | 720 | 630 | 540 |

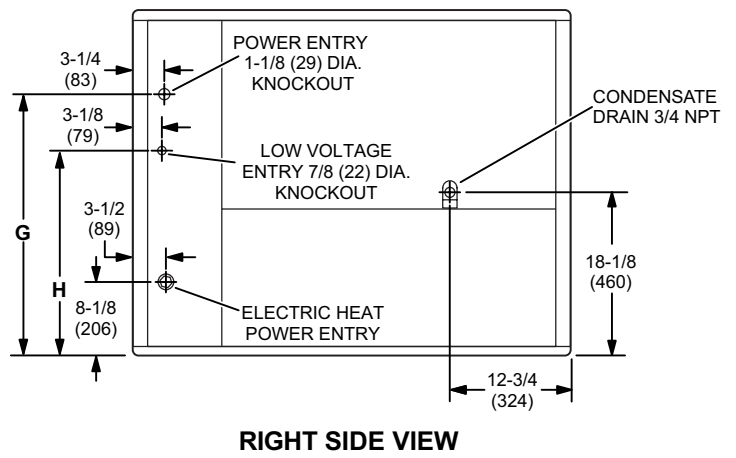
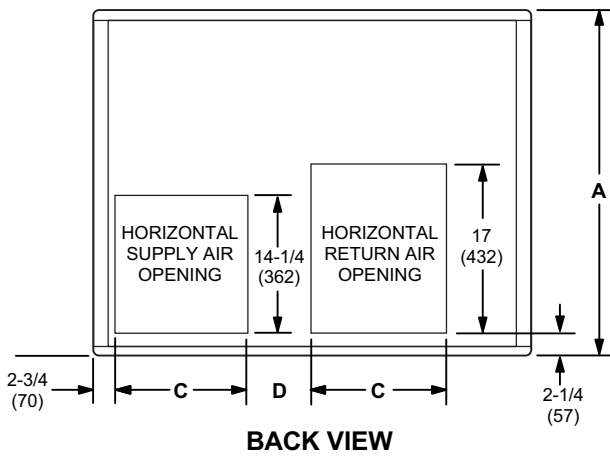
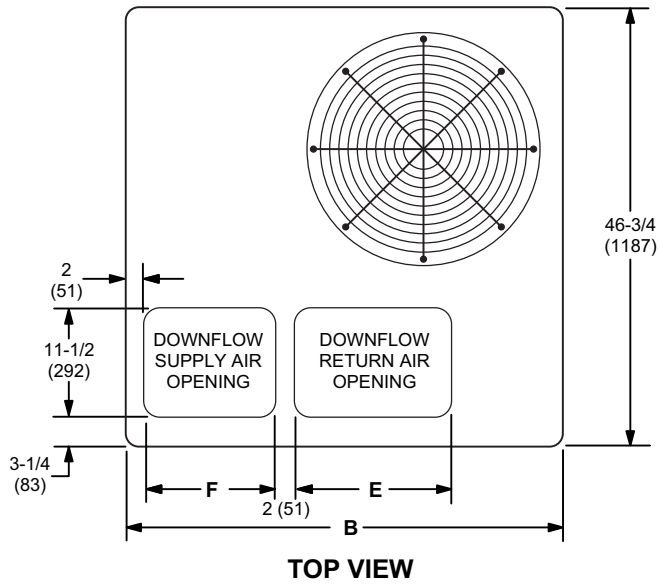
NOTE - All air data is measured external to unit without air filters.

| PRPAC1660 BLOWER PERFORMANCE<br>0 THROUGH 0.80 IN. W.G. EXTERNAL STATIC PRESSURE RANGE |                                       |      |      |      |                    |      |      |      |                              |     |     |     |
|--|---------------------------------------|------|------|------|--------------------|------|------|------|------------------------------|-----|-----|-----|
| "ADJUST"<br>JUMPER<br>SETTING  | BLOWER CONTROL JUMPER SPEED POSITIONS |      |      |      |                    |      |      |      |                              |     |     |     |
|  | "COOL" SPEED - CFM                    |      |      |      | "HEAT" SPEED - CFM |      |      |      | "CONTINUOUS FAN" SPEED - CFM |     |     |     |
|  | A                                     | B    | C    | D    | A                  | B    | C    | D    | A                            | B   | C   | D   |
| +  | 2200                                  | 1980 | 1760 | 1540 | 1480               | 1380 | 1280 | 1180 | 1100                         | 990 | 880 | 770 |
| NORM   | 2000                                  | 1800 | 1600 | 1400 | 1480               | 1380 | 1280 | 1180 | 1000                         | 900 | 800 | 700 |
| -  | 1800                                  | 1620 | 1440 | 1260 | 1480               | 1380 | 1280 | 1180 | 900                          | 810 | 720 | 630 |

NOTE - All air data is measured external to unit without air filters.

| INSTALLATION CLEARANCES            |     |      |
|------------------------------------|-----|------|
|                                    | IN. | MM   |
| Front (heat exchanger access)      | 24  | 610  |
| Right Side (blower access)         | 24  | 610  |
| Left Side (evaporator coil access) | 24  | 610  |
| Back                               | 0   | 0    |
| Top                                | 48  | 1219 |

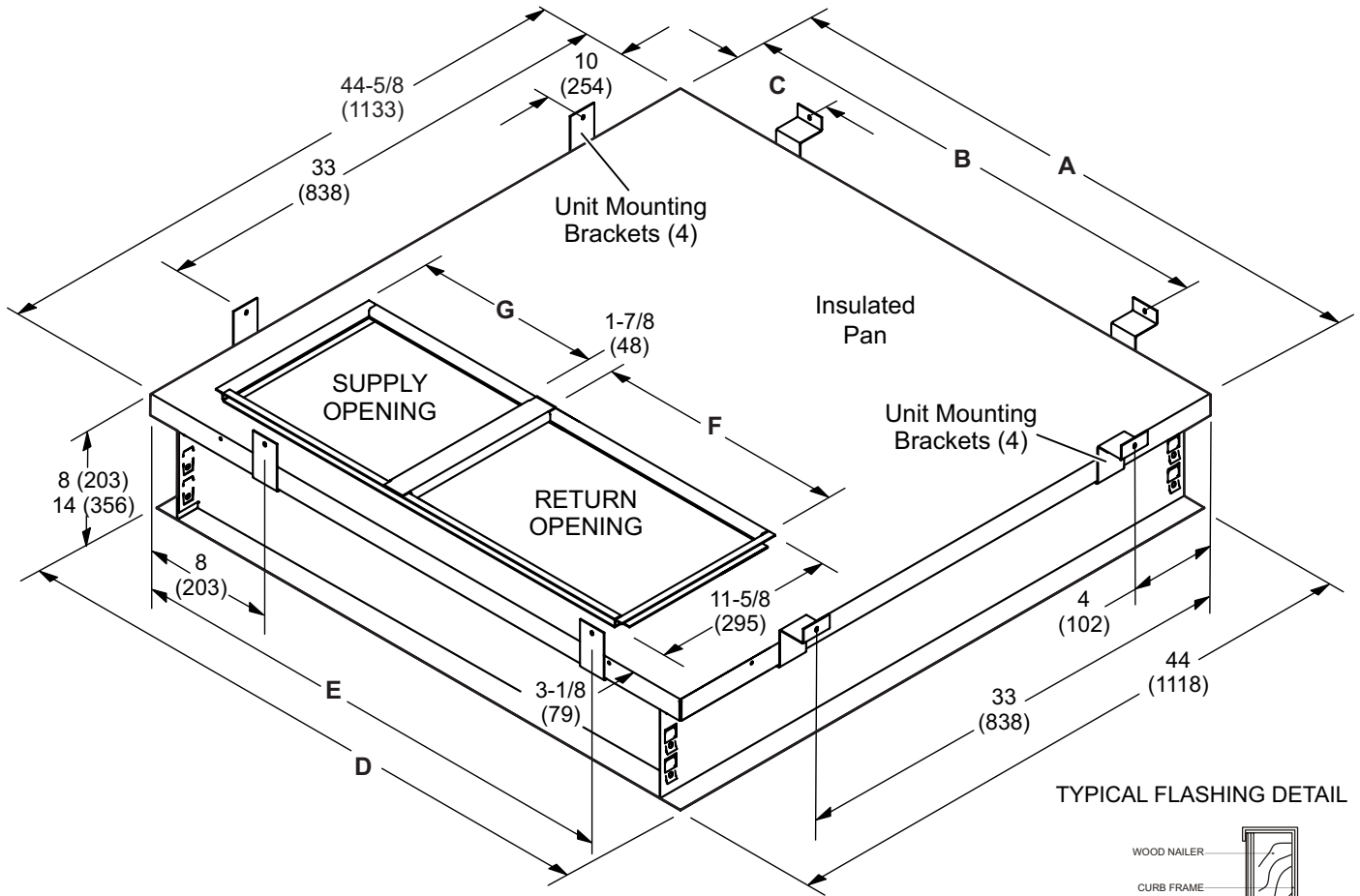
**DIMENSIONS - UNIT - INCHES (MM)**



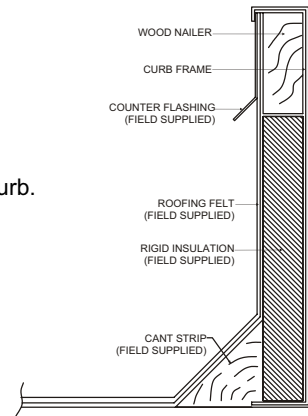
| MODEL NO.     | A      |      | B      |      | C      |     | D     |     | E      |     |
|---------------|--------|------|--------|------|--------|-----|-------|-----|--------|-----|
|               | IN.    | MM   | IN.    | MM   | IN.    | MM  | IN.   | MM  | IN.    | MM  |
| PRPAC1624, 36 | 36-7/8 | 937  | 46-3/4 | 1187 | 13-3/8 | 340 | 5-7/8 | 149 | 16-3/4 | 425 |
| PRPAC1648, 60 | 40-7/8 | 1038 | 55-1/4 | 1403 | 18-1/8 | 467 | 4-5/8 | 117 | 19-3/4 | 502 |
| MODEL NO.     | F      |      | G      |      | H      |     |       |     |        |     |
|               | IN.    | MM   | IN.    | MM   | IN.    | MM  |       |     |        |     |
| PRPAC1624, 36 | 14     | 356  | 28-1/8 | 714  | 22-1/8 | 562 |       |     |        |     |
| PRPAC1648, 60 | 19-1/2 | 495  | 32-1/8 | 816  | 26-1/8 | 664 |       |     |        |     |

**DIMENSIONS - ACCESSORIES - INCHES (MM)**

**CLIP CURB**



**TYPICAL FLASHING DETAIL**

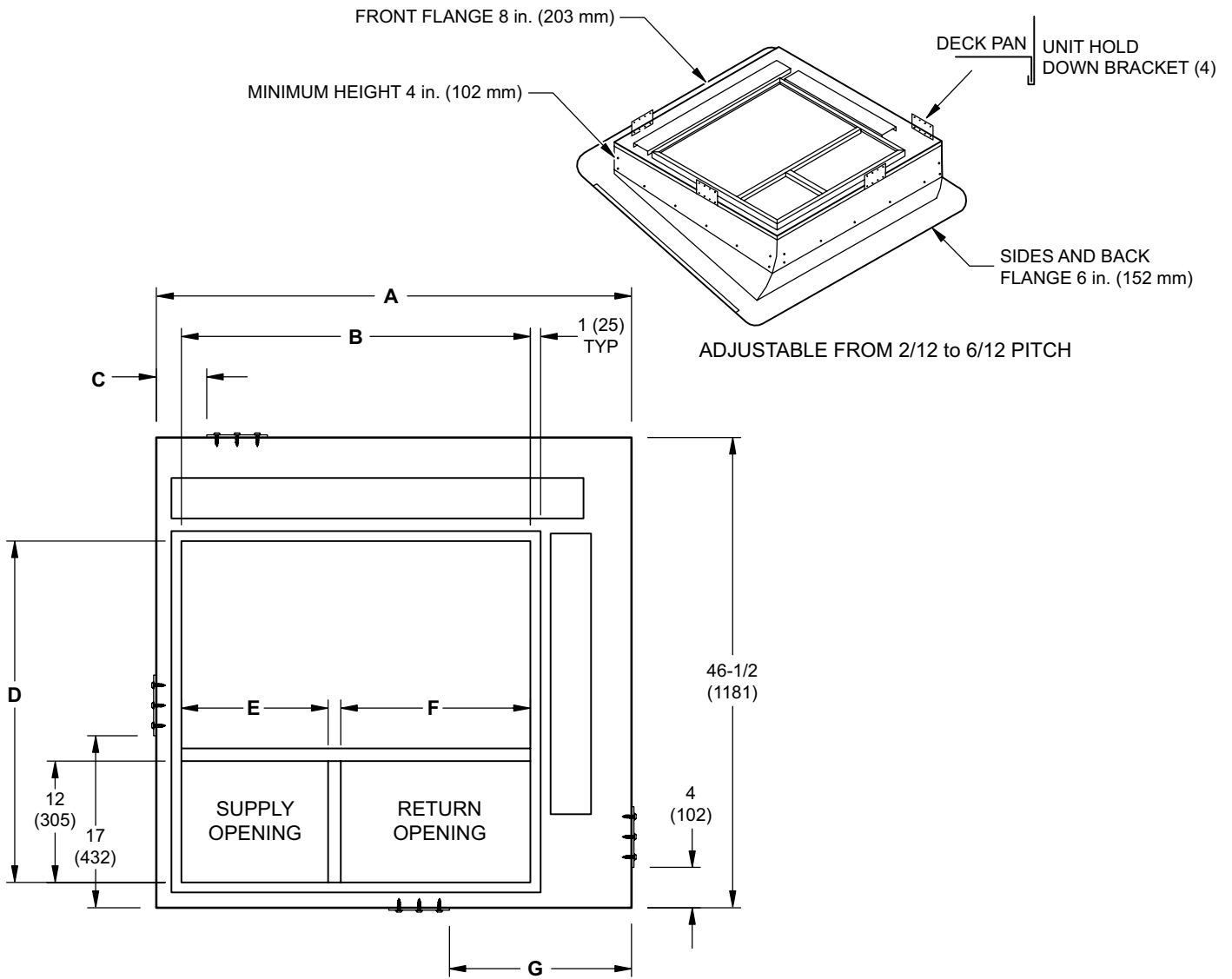


NOTE - Roof deck may be omitted within confines of curb.

| USAGE  | A      |      | B     |      | C   |     | D      |      | E   |      |
|--------|--------|------|-------|------|-----|-----|--------|------|-----|------|
|        | IN.    | MM   | IN.   | MM   | IN. | MM  | IN.    | MM   | IN. | MM   |
| 24, 36 | 44-5/8 | 1133 | 43    | 1092 | 18  | 457 | 44     | 1118 | 37  | 940  |
| 48, 60 | 53-1/8 | 1349 | 51    | 1295 | 24  | 610 | 52-1/2 | 1334 | 41  | 1041 |
| USAGE  | F      |      | G     |      |     |     |        |      |     |      |
|        | IN.    | MM   | IN.   | MM   |     |     |        |      |     |      |
| 24, 36 | 16.75  | 356  | 14.00 | 425  |     |     |        |      |     |      |
| 48, 60 | 19.75  | 495  | 19.50 | 502  |     |     |        |      |     |      |

**DIMENSIONS - ACCESSORIES - INCHES (MM)**

**ADJUSTABLE PITCH ROOF CURB**



| USAGE      | A      |      | B      |      | C      |     | D      |     |
|------------|--------|------|--------|------|--------|-----|--------|-----|
|            | IN.    | MM   | IN.    | MM   | IN.    | MM  | IN.    | MM  |
| 24, 30, 36 | 47     | 1194 | 34-1/2 | 876  | 5      | 127 | 33-3/4 | 857 |
| 42, 48, 60 | 55-1/4 | 1403 | 42-3/8 | 1076 | 10     | 254 | 33     | 838 |
| MODEL NO.  | E      |      | F      |      | G      |     |        |     |
|            | IN.    | MM   | IN.    | MM   | IN.    | MM  |        |     |
| 24, 30, 36 | 14-1/2 | 368  | 18-3/4 | 476  | 18     | 457 |        |     |
| 42, 48, 60 | 20     | 508  | 21-1/8 | 537  | 18-1/4 | 464 |        |     |

*Must soruce locally*





1-800-448-5872

All specifications and illustrations subject to change without notice and without incurring obligations.