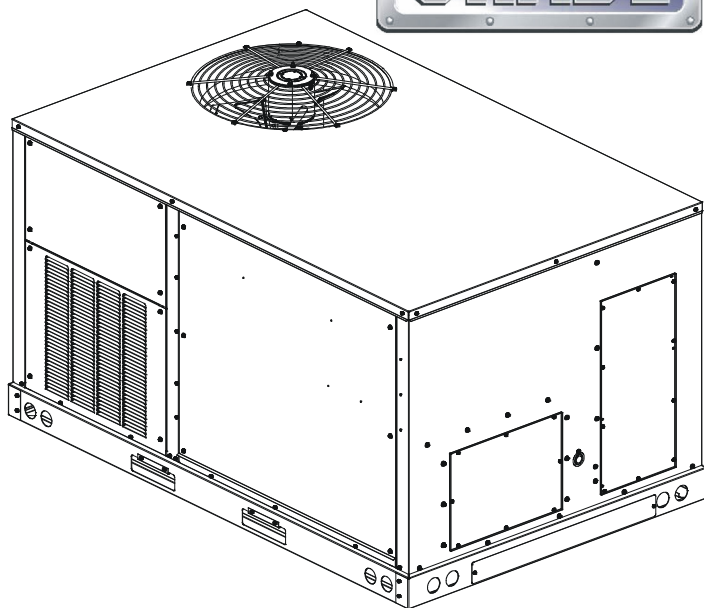



### PACKAGED AIR CONDITIONER AND HEAT PUMP UNIT 3-6 TON HIGH EFFICIENCY LIGHT COMMERCIAL DRC/DRH MODELS INSTALLATION INSTRUCTIONS



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### WARNING

Only personnel that have been trained to install, adjust, service or repair (hereinafter, "service") the equipment specified in this manual should service the equipment. The manufacturer will not be responsible for any injury or property damage arising from improper service or service procedures. If you service this unit, you assume responsibility for any injury or property damage which may result. In addition, in jurisdictions that require one or more licenses to service the equipment specified in this manual, only licensed personnel should service the equipment. Improper installation, adjustment, servicing or repair of the equipment specified in this manual, or attempting to install, adjust, service or repair the equipment specified in this manual without proper training may result in product damage, property damage, personal injury or death.

**PROP 65 WARNING  
FOR CALIFORNIA CONSUMERS**

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### WARNING

Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

0140M00517-A



## REPLACEMENT PARTS

### ORDERING PARTS

When reporting shortages or damages, or ordering repair parts, give the complete unit model and serial numbers as stamped on the unit's nameplate.

Replacement parts for this appliance are available through your contractor or local distributor. For the location of your nearest distributor, see website [www.daikinac.com](http://www.daikinac.com) or contact:

EQUIPMENT SUPPORT  
DAIKIN NORTH AMERICA LLC  
19001 KERMIER ROAD  
WALLER, TEXAS 77484  
855-770-5678

## SAFETY INSTRUCTIONS



**RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.**

These installation instructions cover the **outdoor** installation of single package heating and cooling units. See the Specification Sheet applicable to your model for information regarding accessories.

**\*NOTE: PLEASE CONTACT YOUR DISTRIBUTOR OR OUR WEBSITE FOR THE APPLICABLE SPECIFICATION SHEET REFERRED TO IN THIS MANUAL.**

### TO THE INSTALLER

Before installing this unit, please read this manual to familiarize yourself on the specific items which must be adhered to, including maximum external static pressure to unit, air temperature rise, minimum or maximum CFM and motor speed connections.

**Keep this literature in a safe place for future reference.**



**CAUTION**

**SHEET METAL PARTS, SCREWS, CLIPS AND SIMILAR ITEMS INHERENTLY HAVE SHARP EDGES, AND IT IS NECESSARY THAT THE INSTALLER AND SERVICE PERSONNEL EXERCISE CAUTION.**



**WARNING**

**DO NOT CONNECT TO OR USE ANY DEVICE THAT IS NOT DESIGN CERTIFIED BY DAIKIN FOR USE WITH THIS UNIT. SERIOUS PROPERTY DAMAGE, PERSONAL INJURY, REDUCED UNIT PERFORMANCE AND/OR HAZARDOUS CONDITIONS MAY RESULT FROM THE USE OF SUCH NON-APPROVED DEVICES.**



**WARNING**

**TO AVOID PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, DO NOT USE THIS UNIT IF ANY PART HAS BEEN UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE FURNACE AND TO REPLACE ANY PART OF THE CONTROL SYSTEM AND ANY GAS CONTROL HAVING BEEN UNDER WATER.**



**WARNING**

**THIS UNIT MUST NOT BE USED AS A "CONSTRUCTION HEATER" DURING THE FINISHING PHASES OF CONSTRUCTION ON A NEW STRUCTURE. THIS TYPE OF USE MAY RESULT IN PREMATURE FAILURE OF THE UNIT DUE TO EXTREMELY LOW RETURN AIR TEMPERATURE AND EXPOSURE TO CORROSIVE OR VERY DIRTY ATMOSPHERES.**



**WARNING**

**HIGH VOLTAGE!  
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**



**WARNING**

**TO PREVENT THE RISK OF PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH, DO NOT STORE COMBUSTIBLE MATERIALS OR USE GASOLINE OR OTHER FLAMMABLE LIQUIDS OR VAPORS IN THE VICINITY OF THIS APPLIANCE.**

## GENERAL INFORMATION



### WARNING

**TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, DUE TO FIRE, EXPLOSIONS, SMOKE, SOOT, CONDENSATION, ELECTRIC SHOCK OR CARBON MONOXIDE, THIS UNIT MUST BE PROPERLY INSTALLED, REPAIRED, OPERATED, AND MAINTAINED.**

This unit is approved for outdoor installation ONLY. Rated performance is achieved after 20 hours of operation. Rated performance is delivered at the specified airflow. See product specification sheet for light commercial models. Specification sheets can be found at [www.daikinac.com](http://www.daikinac.com) for Daikin brand products. Within the website, please select the commercial products menu and then select the submenu for the type of product to be installed, such as air conditioners or heat pumps, to access a list of product pages that each contain links to that model's specification sheet.

To assure that your unit operates safely and efficiently, it must be installed, operated, and maintained in accordance with these installation and operating instructions, all local building codes and ordinances.

### EPA REGULATIONS

**IMPORTANT: THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) HAS ISSUED VARIOUS REGULATIONS REGARDING THE INTRODUCTION AND DISPOSAL OF REFRIGERANTS IN THIS UNIT. FAILURE TO FOLLOW THESE REGULATIONS MAY HARM THE ENVIRONMENT AND CAN LEAD TO THE IMPOSITION OF SUBSTANTIAL FINES. BECAUSE REGULATIONS MAY VARY DUE TO PASSAGE OF NEW LAWS, WE SUGGEST A CERTIFIED TECHNICIAN PERFORM ANY WORK DONE ON THIS UNIT. SHOULD YOU HAVE ANY QUESTIONS PLEASE CONTACT THE LOCAL OFFICE OF THE EPA.**

### NATIONAL CODES

This product is designed and manufactured to permit installation in accordance with National Codes. It is the installer's responsibility to install the product in accordance with National Codes and/or prevailing local codes and regulations.

The heating and cooling capacities of the unit should be greater than or equal to the design heating and cooling loads of the area to be conditioned. The loads should be calculated by an approved method or in accordance with ASHRAE Guide or Manual J - Load Calculations published by the Air Conditioning Contractors of America.

Obtain from:  
American National Standards Institute  
[www.ansi.org](http://www.ansi.org)

System design and installation should also, where applicable, follow information presented in accepted industry guides such as the ASHRAE Handbooks. The manufacturer assumes no responsibility for equipment installed in violation of any code or regulation. The mechanical installation of the packaged roof top units consists of making final connections between the unit and building services; supply and return duct connections; and drain connections (if required). The internal systems of the unit are completely factory-installed and tested prior to shipment.

Units are generally installed on a steel roof mounting curb assembly which has been shipped to the job site for installation on the roof structure prior to the arrival of the unit. The model number shown on the unit's identification plate identifies the various components of the unit such as refrigeration tonnage, heating output and voltage.

Carefully inspect the unit for damage including damage to the cabinetry. Any bolts or screws which may have loosened in transit must be re-tightened.

In the event of damage, the receiver should:

1. Make notation on delivery receipt of any visible damage to shipment or container.
2. Notify carrier promptly and request an inspection.
3. In case of concealed damage, carrier should be notified as soon as possible-preferably within 5 days.
4. File the claim with the following supporting documents:
  - a. Original Bill of Lading, certified copy, or indemnity bond.
  - b. Original paid freight bill or indemnity in lieu thereof.
  - c. Original invoice or certified copy thereof, showing trade and other discounts or reductions.
  - d. Copy of the inspection report issued by carrier representative at the time damage is reported to the carrier. The carrier is responsible for making prompt inspection of damage and for a thorough investigation of each claim. The distributor or manufacturer will not accept claims from dealers for transportation damage.

**NOTE: WHEN INSPECTING THE UNIT FOR TRANSPORTATION DAMAGE, REMOVE ALL PACKAGING MATERIALS. RECYCLE OR DISPOSE OF THE PACKAGING MATERIAL ACCORDING TO LOCAL CODES.**

### PRE-INSTALLATION CHECKS

Carefully read all instructions for the installation prior to installing unit. Ensure each step or procedure is understood and any special considerations are taken into account before starting installation. Assemble all tools, hardware and supplies needed to complete the installation. Some items may need to be purchased locally.

## UNIT LOCATION



### WARNING

**TO PREVENT POSSIBLE EQUIPMENT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, THE FOLLOWING BULLET POINTS MUST BE OBSERVED WHEN INSTALLING THE UNIT.**

**IMPORTANT NOTE: REMOVE WOOD SHIPPING RAILS PRIOR TO INSTALLATION OF THE UNIT.**

#### ALL INSTALLATIONS:

**IMPORTANT NOTE: *UNIT SHOULD BE ENERGIZED 24 HOURS PRIOR TO COMPRESSOR START UP TO ENSURE CRANKCASE HEATER HAS SUFFICIENTLY WARMED THE COMPRESSORS. COMPRESSOR DAMAGE MAY OCCUR IF THIS STEP IS NOT FOLLOWED.***

**NOTE: APPLIANCE IS SHIPPED FROM FACTORY FOR VERTICAL DUCT APPLICATION.**

Proper installation of the unit ensures trouble-free operation. Improper installation can result in problems ranging from noisy operation to property or equipment damages, dangerous conditions that could result in injury or personal property damage and that are not covered by the warranty. Give this booklet to the user and explain it's provisions. The user should retain these instructions for future reference.

- To avoid possible illness or death of the building occupants, do NOT locate outside air intake device (economizer, manual fresh air intake, motorized fresh air intake) too close to an exhaust outlet, gas vent termination, or plumbing vent outlet. For specific distances required, consult local codes.
- Allow minimum clearances from the enclosure for fire protection, proper operation, and service access (see unit clearances). These clearances must be permanently maintained.
- When the unit is heating, the temperature of the return air entering the unit must be a minimum of 55° F.

#### GROUND LEVEL INSTALLATIONS ONLY:

- When the unit is installed on the ground adjacent to the building, a level concrete (or equal) base is recommended. Prepare a base that is 3" larger than the package unit footprint and a minimum of 3" thick.
- The base should also be located where no runoff of water from higher ground can collect in the unit.

#### ROOF TOP INSTALLATIONS ONLY:

- To avoid possible property damage or personal injury, the roof must have sufficient structural strength to carry the weight of the unit(s) and snow or water loads as required by local codes. Consult a structural engineer to determine the weight capabilities of the roof.
- The unit may be installed directly on wood floors or on Class A, Class B, or Class C roof covering material.
- To avoid possible personal injury, a safe, flat surface for service personnel should be provided.
- Adequate clearances from the unit to any adjacent public walkways, adjacent buildings, building openings or openable windows must be maintained in accordance with National Codes.

#### UNIT PRECAUTIONS

- Do not stand or walk on the unit.
- Do not drill holes anywhere in panels or in the base frame of the unit except where indicated. Unit access panels provide structural support.
- Do not remove any access panels until unit has been installed on roof curb or field supplied structure.
- Do not roll unit across finished roof without prior approval of owner or architect.
- Do not skid or slide on any surface as this may damage unit base. The unit must be stored on a flat, level surface. Protect the condenser coil because it is easily damaged.

#### ROOF CURB INSTALLATIONS ONLY:

Curb installations must comply with local codes and should be done in accordance with the established guidelines of the National Roofing Contractors Association.

Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. Field assembly, squaring, leveling and mounting on the roof structure are the responsibility of the installing contractor. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory.

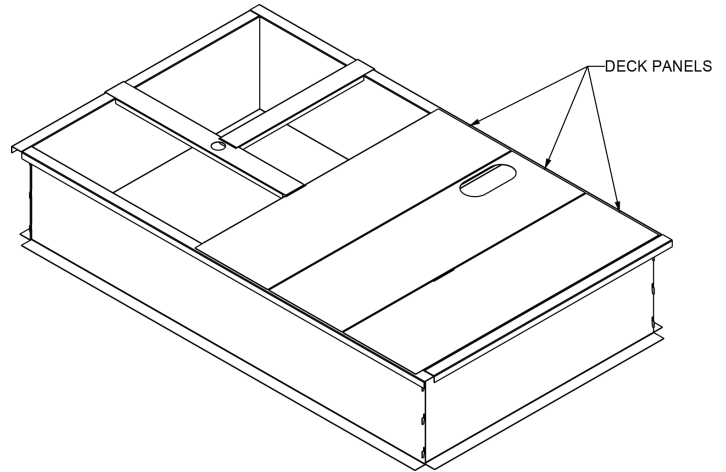


### WARNING

**TO PREVENT POSSIBLE EQUIPMENT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, THE FOLLOWING BULLET POINTS MUST BE OBSERVED WHEN INSTALLING THE UNIT.**


- Sufficient structural support must be determined prior to locating and mounting the curb and package unit.
- Ductwork must be constructed using industry guidelines. The duct work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered type curbs are not available from the factory.
- Curb insulation, cant strips, flashing and general roofing material are furnished by the contractor.
- The curbs must be supported on parallel sides by roof members.
- The roof members must not penetrate supply and return duct opening areas as damage to the unit might occur.

there should be a minimum of 48" clearance and provisions made to deflect the warm discharge air out from the overhang. The unit should be installed remote from all building exhausts to inhibit ingestion of exhaust air into the unit fresh air intake.



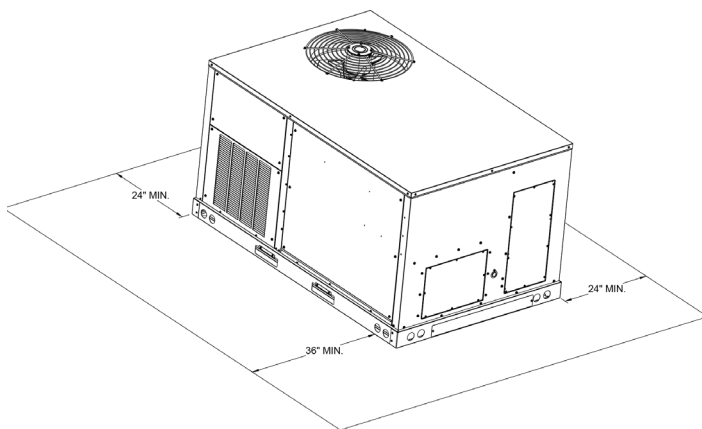
**ROOF CURB INSTALLATION**

**NOTE: THE UNIT AND CURB ACCESSORIES ARE DESIGNED TO ALLOW VERTICAL DUCT INSTALLATION BEFORE UNIT PLACEMENT. DUCT INSTALLATION AFTER UNIT PLACEMENT IS NOT RECOMMENDED.**

 <b>CAUTION</b>
<p><b>ALL CURBS LOOK SIMILAR. TO AVOID INCORRECT CURB POSITIONING, CHECK JOB PLANS CAREFULLY AND VERIFY MARKINGS ON CURB ASSEMBLY. INSTRUCTIONS MAY VARY IN CURB STYLES AND SUPERSEDES INFORMATION SHOWN.</b></p>

See the manual shipped with the roof curb for assembly and installation instructions.

**CLEARANCES**



**UNIT CLEARANCES**

*\*In situations that have multiple units, a 36" minimum clearance is required between the condenser coils.*

Adequate clearance around the unit should be kept for safety, service, maintenance, and proper unit operation. A clearance of 48" is recommended on all sides of the unit to facilitate possible parts replacement, to allow service access and to insure proper ventilation and condenser airflow. The top of the unit should be completely unobstructed. If units are to be located under an overhang,

**ROOF CURB POST-INSTALLATION CHECKS**

After installation, check the top of the curb, duct connection frame and duct flanges to make sure gasket has been applied properly. Gasket should be firmly applied to the top of the curb perimeter, duct flanges and any exposed duct connection frame. If gasket is loose, re-apply using strong weather resistant adhesive.

**PROTRUSION**

Inspect curb to ensure that none of the utility services (electric) routed through the curb protrude above the curb.

 <b>CAUTION</b>
<p><b>IF PROTRUSIONS EXIST, DO NOT ATTEMPT TO SET UNIT ON CURB.</b></p>

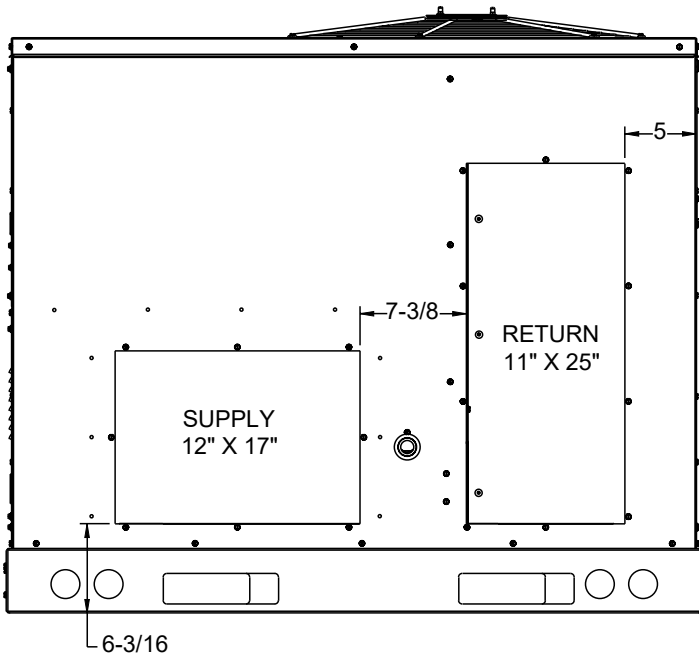
**ROOF TOP DUCT CONNECTIONS**

Install all duct connections on the unit before placing the unit on rooftop.

**HORIZONTAL DISCHARGE**

Refer to IOD-7082 included in the literature pack for installing horizontal duct covers.

Flexible duct connectors between the unit and ducts are recommended. Insulate and weatherproof all external ductwork and joints as required and in accordance with local codes.



**HORIZONTAL DISCHARGE DUCT CONNECTIONS  
RIGGING DETAILS**

**WARNING**  
**TO PREVENT PROPERTY DAMAGE, THE UNIT SHOULD REMAIN IN AN UPRIGHT POSITION DURING ALL RIGGING AND MOVING OPERATIONS. TO FACILITATE LIFTING AND MOVING WHEN A CRANE IS USED, PLACE THE UNIT IN AN ADEQUATE CABLE SLING.**

**CAUTION**  
**IF UNITS ARE LIFTED TWO AT A TIME, THE FORK HOLES ON THE CONDENSER END OF THE UNIT MUST NOT BE USED. MINIMUM FORK LENGTH IS 42" TO PREVENT DAMAGE TO THE UNIT; HOWEVER, 48" IS RECOMMENDED.**

**PROVISIONS FOR FORKS HAVE BEEN INCLUDED IN THE UNIT BASE FRAME. NO OTHER FORK LOCATIONS ARE APPROVED.**

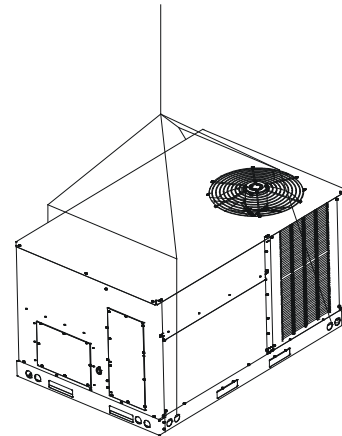
**WARNING**  
**TO PREVENT POSSIBLE EQUIPMENT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH, THE FOLLOWING BULLET POINTS MUST BE OBSERVED WHEN INSTALLING THE UNIT.**

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame

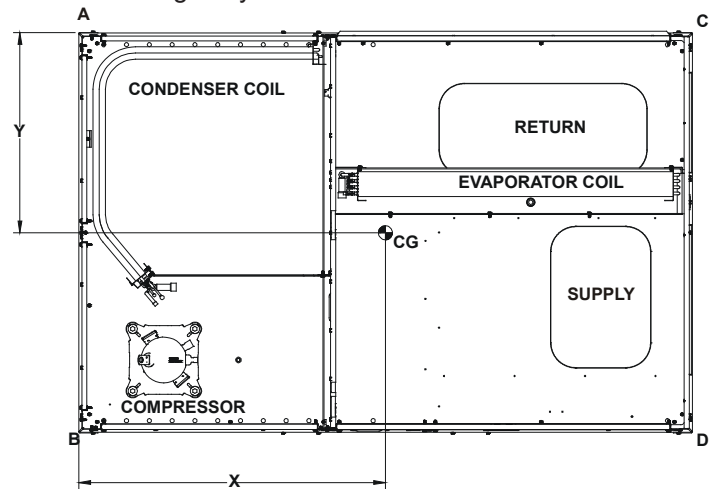
from fork lift damage. Removal is accomplished by extracting the sheet metal retainers and pulling the struts through the base of the unit. Refer to rigging label on the unit.

**IMPORTANT: IF USING BOTTOM DISCHARGE WITH ROOF CURB, DUCTWORK SHOULD BE ATTACHED TO THE CURB PRIOR TO INSTALLING THE UNIT. DUCTWORK DIMENSIONS ARE SHOWN IN ROOF CURB INSTALLATION INSTRUCTIONS.**

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.



To assist in determining rigging requirements, unit weights and center of gravity are shown as follows:



**CORNER AND CENTER OF GRAVITY LOCATIONS**

**NOTE: UNIT SHOULD BE LIFTED AT A POINT ABOVE CENTER OF GRAVITY.**

Model	Shipping Weight (lb)	Operating Weight (lb)	Corner Weights (lb)				X (in)	Y (in)
			A	B	C	D		
DRC036	595	537	119	160	123	135	35.5	26.5
DRC048	648	590	150	167	113	160	34.2	26.8
DRC060	664	606	158	166	105	177	34.4	27.4
DRC072	715	657	134	149	217	157	34.4	27.0
DRH036	653	595	92	224	173	106	34.6	26.8
DRH048	679	621	166	176	112	167	33.3	26.7
DRH060	688	630	150	194	165	121	33.5	27.6
DRH072	766	708	227	162	82	237	33.3	27.2

**THE NUMBERS MAY SLIGHTLY VARY DEPENDING ON INSTALLED OPTIONS.**



### CAUTION

**TO PREVENT DAMAGE TO THE WIRING, PROTECT WIRING FROM SHARP EDGES. FOLLOW NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES AND ORDINANCES. DO NOT ROUTE WIRES THROUGH REMOVABLE ACCESS PANELS.**



### CAUTION

**TO PREVENT SEVERE DAMAGE TO THE BOTTOM OF THE UNIT, DO NOT FORK LIFT UNIT AFTER WOOD STRUTS HAVE BEEN REMOVED.**

Bring condenser end of unit into alignment with the curb first. Lower unit carefully onto roof mounting curb. When a rectangular cantilever curb is used, care should be taken to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

### RIGGING REMOVAL



### CAUTION

**TO PREVENT DAMAGE TO THE UNIT, DO NOT ALLOW CRANE HOOKS AND SPREADER BARS TO REST ON THE ROOF OF THE UNIT.**

Remove spreader bars, lifting cables and other rigging equipment.

## ELECTRICAL WIRING



### WARNING

**HIGH VOLTAGE!  
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**



### WARNING

**HIGH VOLTAGE!  
TO AVOID PERSONAL INJURY OR DEATH DUE TO ELECTRICAL SHOCK, DO NOT TAMPER WITH FACTORY WIRING. THE INTERNAL POWER AND CONTROL WIRING OF THESE UNITS ARE FACTORY-INSTALLED AND HAVE BEEN THOROUGHLY TESTED PRIOR TO SHIPMENT. CONTACT YOUR LOCAL REPRESENTATIVE IF ASSISTANCE IS REQUIRED.**



### CAUTION

**CONDUIT AND FITTINGS MUST BE WEATHER-TIGHT TO PREVENT WATER ENTRY INTO THE BUILDING.**

For unit protection, use a fuse or HACR circuit breaker that is in excess of the circuit ampacity, but less than or equal to the maximum overcurrent protection device. **DO NOT EXCEED THE MAXIMUM OVERCURRENT DEVICE SIZE SHOWN ON UNIT DATA PLATE.**

All line voltage connections must be made through weatherproof fittings. All exterior power supply and ground wiring must be in approved weatherproof conduit.

The main power supply wiring to the unit and low voltage wiring to accessory controls must be done in accordance with these instructions, the latest edition of the National Electrical Code (ANSI/NFPA 70), and all local codes and ordinances.

The unit is factory wired for the voltage shown on the unit's data plate. Refer to model nomenclature in Appendix B for voltage requirement for your unit.

**NOTE: IF SUPPLY VOLTAGE IS 208V, LEAD ON PRIMARY OF TRANSFORMER(S) MUST BE MOVED FROM THE 230V TO THE 208V TAP. REFER TO WIRING DIAGRAM ON UNIT FOR DETAILS.**

Main power wiring should be sized for the minimum circuit ampacity shown on the unit's dataplate. Size wires in accordance with the ampacity tables in Article 310 of the National Electrical Code. If long wires are required, it may be necessary to increase the wire size to prevent excessive voltage drop. Wires should be sized for a maximum of 3% voltage drop.



### CAUTION

**TO AVOID RISK OF PROPERTY DAMAGE, PERSONAL INJURY OR FIRE, USE ONLY COPPER CONDUCTORS.**



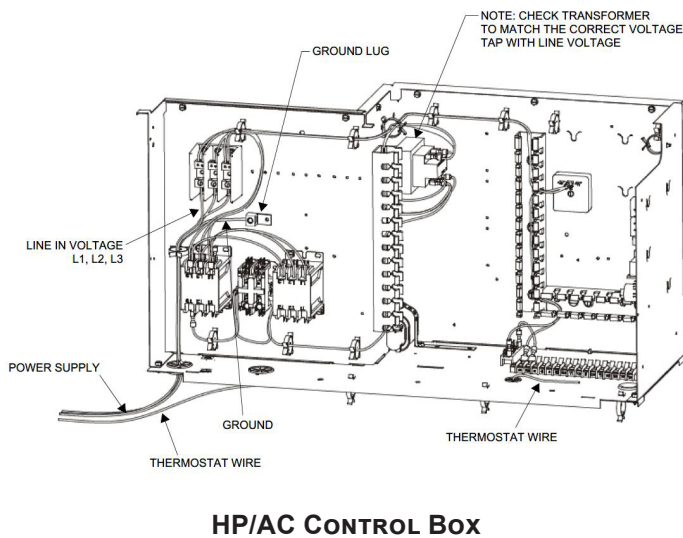
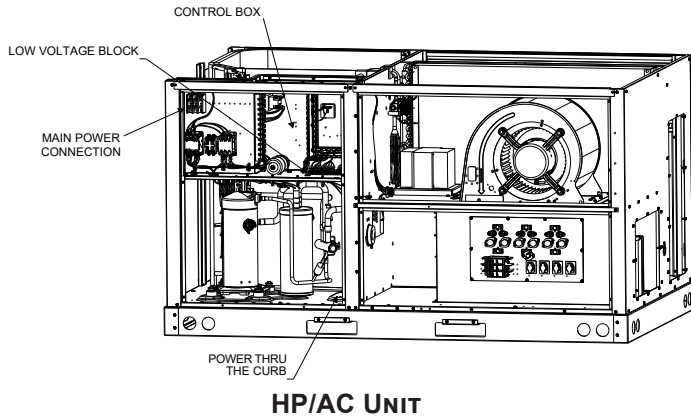
### CAUTION

**LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.**


**NOTE: A WEATHER-TIGHT DISCONNECT SWITCH, PROPERLY SIZED FOR THE UNIT TOTAL LOAD, MUST BE FIELD OR FACTORY INSTALLED. AN EXTERNAL FIELD SUPPLIED DISCONNECT MAY BE MOUNTED ON THE EXTERIOR PANEL.**

Ensure the data plate is not covered by the field-supplied disconnect switch.

- Some disconnect switches are not fused. Protect the power leads at the point of distribution in accordance with the unit data plate.
- The unit must be electrically grounded in accordance with local codes or, in the absence of local codes, with the latest edition of the National Electrical Code ANSI/NFPA 70, and/or the Canadian Electrical Code, CSA C22.1, Part 1. A ground lug is provided for this purpose. Do not use the ground lug for connecting a neutral conductor.
- Connect power wiring to the electrical power block located within the main control box.



**NOTE: DEPENDING ON THE OPTIONS INSTALLED, THE LOCATION OF THE COMPONENTS MAY VARY IN SOME MODELS.**



**WARNING**

**FAILURE OF UNIT DUE TO OPERATION ON IMPROPER LINE VOLTAGE OR WITH EXCESSIVE PHASE UNBALANCE CONSTITUTES PRODUCT ABUSE AND IS NOT COVERED BY THE WARRANTY. IT MAY CAUSE SEVERE DAMAGE TO THE UNIT'S ELECTRICAL COMPONENTS.**

**AREAS WITHOUT CONVENIENCE OUTLET**

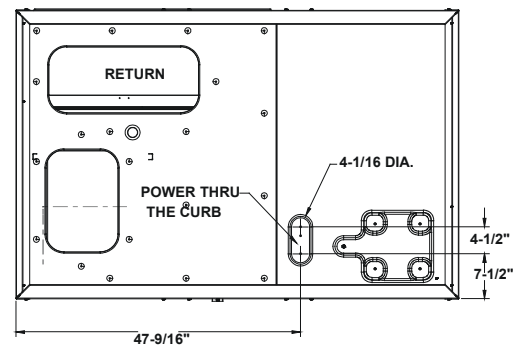
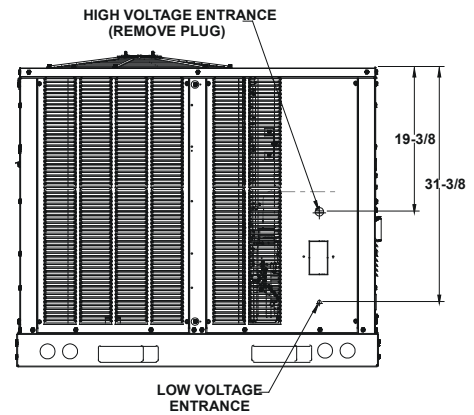
It is recommended that an independent 115V power source be brought to the vicinity of the roof top unit for portable lights and tools used by the service mechanic.

**NOTE: REFER TO LOCAL CODES FOR REQUIREMENTS. THESE OUTLETS CAN ALSO BE FACTORY INSTALLED.**

**UNITS INSTALLED ON ROOF TOPS**

Main power and low voltage wiring may enter the unit through the condenser end of unit or through the roof curb. Install conduit connectors at the desired entrance locations. External connectors must be weatherproof. All holes in the unit base must be sealed (including those around conduit nuts) to prevent water leakage into building. All required conduit and fittings are to be field supplied.

Supply voltage to roof top unit must not vary by more than 10% of the value indicated on the unit data plate. Phase voltage unbalance must not exceed 2%. Contact your local power company for correction of improper voltage or phase unbalance.



**ELECTRICAL ENTRANCE AND THRU CURB (BOTTOM VIEW OF UNIT)**

**LOW VOLTAGE CONTROL WIRING**

1. A 24V thermostat must be installed for unit operation.
2. Locate thermostat or remote sensor in the conditioned space where it will sense average temperature. Do not locate the device where it may be directly exposed to supply air, sunlight or other sources of heat. Follow installation instructions packaged with the installed device.
3. Use #18 AWG wire for 24V control wiring runs not exceeding 75 feet. Use #16 AWG wire for 24V



control wiring runs not exceeding 125 feet. Use #14 AWG wire for 24V control wiring runs not exceeding 200 feet. Low voltage wiring may be National Electrical Code (NEC) Class 2 where permitted by local codes.

4. Route the low voltage control wires from sub-base terminals to the unit. Control wiring should enter through the condenser panel opening or through curb indicated in "Electrical Entrance" figure. Connect thermostat and any accessory wiring to low voltage terminal block TB1 in the main control box.

**NOTE: FIELD-SUPPLIED CONDUIT MAY NEED TO BE INSTALLED DEPENDING ON UNIT/CURB CONFIGURATION. USE #18 AWG SOLID CONDUCTOR WIRE WHENEVER CONNECTING THERMOSTAT WIRES TO TERMINALS ON SUB-BASE. DO NOT USE LARGER THAN #18 AWG WIRE. A TRANSITION TO #18 AWG WIRE MAY BE REQUIRED BEFORE ENTERING THERMOSTAT SUB-BASE.**

**NOTE: REFER TO UNIT WIRING DIAGRAMS FOR THERMOSTAT OR REMOTE SENSOR CONNECTIONS.**

## CIRCULATING AIR AND FILTERS

### DUCTWORK

The supply duct from the unit through a wall may be installed without clearance. However, minimum unit clearances must be maintained (see "Clearances" section). The supply duct should be provided with an access panel large enough to inspect the air chamber downstream of the heat exchanger. A cover should be tightly attached to prevent air leaks.

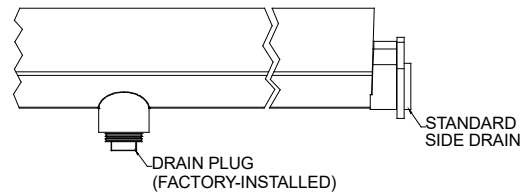
Ductwork dimensions are shown in the roof curb installation manual.

If desired, supply and return duct connections to the unit may be made with flexible connections to reduce possible unit operating sound transmission.

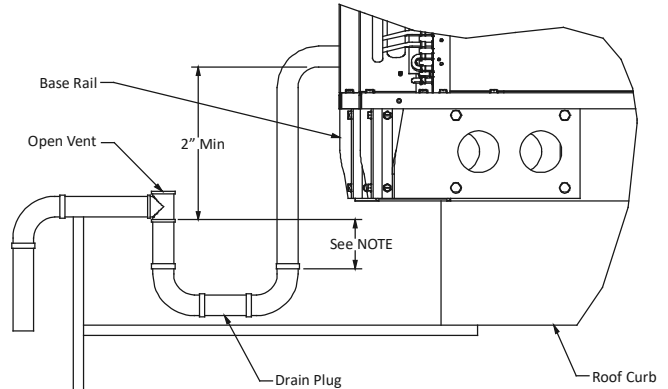
## CONDENSATE DRAIN CONNECTION

### CONDENSATE DRAIN CONNECTION

A 3/4" female NPT drain connection is supplied on the end of the unit and bottom of the drain pan for condensate piping. An external trap must be installed for proper condensate drainage. Hand tighten drain fitting to the drain connection.



**Drain Pan (Side View)**



**NOTE:** Trap should be deep enough to offset maximum unit static difference. A minimum 4" trap is recommended.

### DRAIN CONNECTION

Install condensate drain trap as shown. Use 3/4" drain line and fittings or larger. Do not operate without trap.

### HORIZONTAL DRAIN

Drainage of condensate directly onto the roof may be acceptable; refer to local code. It is recommended that a small drip pad of either stone, mortar, wood or metal be provided to prevent any possible damage to the roof.

### VERTICAL DRAIN

To use the bottom drain connection, remove the drain plug from the bottom connection and install it in the horizontal connection.

### CLEANING

Due to the fact that drain pans in any air conditioning unit will have some moisture in them, algae and fungus will grow due to airborne bacteria and spores. Periodic cleaning is necessary to prevent this build-up from plugging the drain.

## STARTUP, ADJUSTMENTS, AND CHECKS



### WARNING

#### HIGH VOLTAGE!

**TO AVOID PERSONAL INJURY OR DEATH DUE TO ELECTRICAL SHOCK, BOND THE FRAME OF THIS UNIT TO THE BUILDING ELECTRICAL GROUND BY USE OF THE GROUNDING TERMINAL PROVIDED OR OTHER ACCEPTABLE MEANS. DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT.**



### CAUTION

**TO PREVENT PROPERTY DAMAGE OR PERSONAL INJURY, DO NOT START THE UNIT UNTIL ALL NECESSARY PRE-CHECKS AND TESTS HAVE BEEN PERFORMED.**



### WARNING

#### MOVING MACHINERY HAZARD!

**TO PREVENT POSSIBLE PERSONAL INJURY OR DEATH, DISCONNECT POWER TO THE UNIT AND PADLOCK IN THE "OFF" POSITION BEFORE SERVICING FANS.**

### PRE-STARTUP INSTRUCTIONS

On new installations, or if a major component has been replaced, the operation of the unit must be checked.

Check unit operation as outlined in the following instructions. If any sparking, odors, or unusual sounds are encountered, shut off electrical power and recheck for wiring errors, or obstructions in or near the blower motors. **Duct covers must be removed before operating unit.**

The Startup, Adjustments, and Checks procedure provides a step-by-step sequence which, if followed, will assure the proper startup of the equipment in the minimum amount of time. Air balancing of duct system is not considered part of this procedure. However, it is an important phase of any air conditioning system startup and should be performed upon completion of the Startup, Adjustments, and Checks procedure. The Startup, Adjustments, and Checks procedure at outside ambients below 55°F should be limited to a readiness check of the refrigeration system with the required final check and calibration left to be completed when the outside ambient rises above 55°F.

### TEMPORARY HEATING OR COOLING

If the unit is to be used for temporary heating or cooling, a "Startup, Adjustments, and Checks" must first be performed in accordance with this manual. Damage or repairs due to failure to comply with these requirements are not covered under the warranty. **After** the machines are used for temporary heating or cooling, inspect the coils, fans, and

motors for unacceptable levels of construction dust and dirt and install new filters.

### CONTRACTOR RESPONSIBILITY

The installing contractor must be certain that:

- All supply and return air ductwork is in place, properly sealed, and corresponds with installation instructions.
- All thermostats and sensors are mounted and wired in accordance with installation instructions.
- All electric power, all gas, hot water or steam line connections, and the condensate drain installation have been made to each unit on the job. These main supply lines must be functional and capable of operating all units simultaneously.
- All filters are in place.

### ROOF CURB INSTALLATION CHECK

Inspect the roof curb for correct installation. The unit and curb assembly should be level. Inspect the flashing of the roof mounting curb to the roof, especially at the corners, for good workmanship. Also check for leaks around gaskets. Note any deficiencies in a separate report and forward to the contractor.

### OBSTRUCTIONS, FAN CLEARANCE AND WIRING

Remove any extraneous construction and shipping materials that may be found during this procedure. Rotate all fans manually to check for proper clearances and that they rotate freely. Check for bolts and screws that may have jarred loose during shipment to the job site. Re-tighten if necessary. Re-tighten all electrical connections.

### FIELD DUCT CONNECTIONS

Verify that all duct connections are tight and that there is no air bypass between supply and return.

### FILTER SECTION CHECK

Remove filter section access panels and check that filters are properly installed. Note airflow arrows on filter frames.

### PRE-STARTUP PRECAUTIONS

It is important to your safety that the unit has been properly grounded during installation. Check ground lug connection in main control box for tightness prior to closing circuit breaker or disconnect switch. Verify that supply voltage on line side of disconnect agrees with voltage on unit identification plate and is within the utilization voltage range as indicated in Appendix B Electrical Data.

**System Voltage** - That nominal voltage value assigned to a circuit or system for the purpose of designating its voltage class.

**Nameplate Voltage** - That voltage assigned to a piece of equipment for the purpose of designating its voltage class and for the purpose of defining the minimum and maximum voltage at which the equipment will operate.

**Utilization Voltage** - The voltage of the line terminals of the equipment at which the equipment must give fully satisfactory performance. Once it is established that supply voltage will be maintained within the utilization range under all system conditions, check and calculate if an unbalanced condition exists between phases. Calculate percent voltage unbalance as follows:

**Three Phase Models Only**

$$3) \text{ PERCENT VOLTAGE UNBALANCE} = 100 \times \frac{2) \text{ MAXIMUM VOLTAGE DEVIATIONS FROM AVERAGE VOLTAGE}}{1) \text{ AVERAGE VOLTAGE}}$$

HOW TO USE THE FORMULA:

EXAMPLE: With voltage of 220, 216, and 213

1) Average Voltage =  $220+216+213=649 / 3 = 216$

2) Maximum Voltage Deviations from Average Voltage =  $220 - 216 = 4$

3) Percent Voltage Unbalance =  $100 \times \frac{4}{216} = \frac{400}{216} = 1.8\%$

Percent voltage unbalance MUST NOT exceed 2%.

**AIR FLOW ADJUSTMENTS**

When the final adjustments are complete, the current draw of the motor should be checked and compared to the full load current rating of the motor. The amperage must not exceed the service factor stamped on the motor nameplate.

If an economizer is installed, check the unit operating balance with the economizer at full outside air and at minimum outside air.

High stage airflow setting to be between 300 and 500 CFM per ton, see Table below. For models with electric heat the total airflow must not be less than that required for operation of the electric heaters. See Appendix D for minimum airflow for specific electric heaters.

**NOTE: NEVER RUN CFM BELOW 300 CFM PER TON, EVAPORATOR FREEZING OR POOR UNIT PERFORMANCE IS POSSIBLE.**

Model		Minimum	Nominal	Maximum
DRC036	DRH036	900	1150	1500
DRC048	DRH048	1200	1500	2000
DRC060	DRH060	1500	1850	2500
DRC072	DRH072	1800	2200	3000

**HIGH STAGE AIRFLOW SETTING, CFM (WITHOUT ELECTRIC HEAT)**

**STANDARD STATIC DRIVE MOTOR**

Adjust the CFM for the unit by changing the position of the low voltage leads on the terminal block TB1. Refer to Appendix A for blower performance at each speed tap

**NOTE: IF MORE THAN ONE LEAD IS ENERGIZED SIMULTANEOUSLY, THE MOTOR WILL RUN AT THE HIGHER NUMERICAL SPEED TAP.**

Standard Static Drive Motors are set up to use motor speed taps T1-T5. Refer to Appendix A for blower performance at each speed tap.

Fan speed for G (GR) is fixed at TB1-T1 and cannot be moved.

Low Cool Y1, Yellow (YL) is movable and set to TB1-T1. Low Heat W1, White (WH) is movable and set to TB1-T2. High Cool Y2, Purple (PU) is movable and set to TB1-T3. High Heat W2, Brown (BR) is movable and set to TB1-T3.

These wires can be moved together or separately and placed on any unoccupied terminal.

Note: YL can be moved to taps T2-T3 as long as YL does not share the tap with PU. WH can be moved to tap T3 as long as WH does not share the tap with BR.

**HIGH STATIC MOTOR DRIVE**

Fan speed for G (GR), is fixed at TB1-T1 and cannot be moved.

Low Cool Y1, Yellow (YL) is movable and set to TB1-T1  
Low Heat W1, White (WH) is movable and set to TB1-T6  
High Cool Y2, Purple (PU) is movable and set to TB1-T3  
High Heat W2, Brown (BR) is movable and set to TB1-T8

These wires can be moved together or separately and placed on any unoccupied terminal.

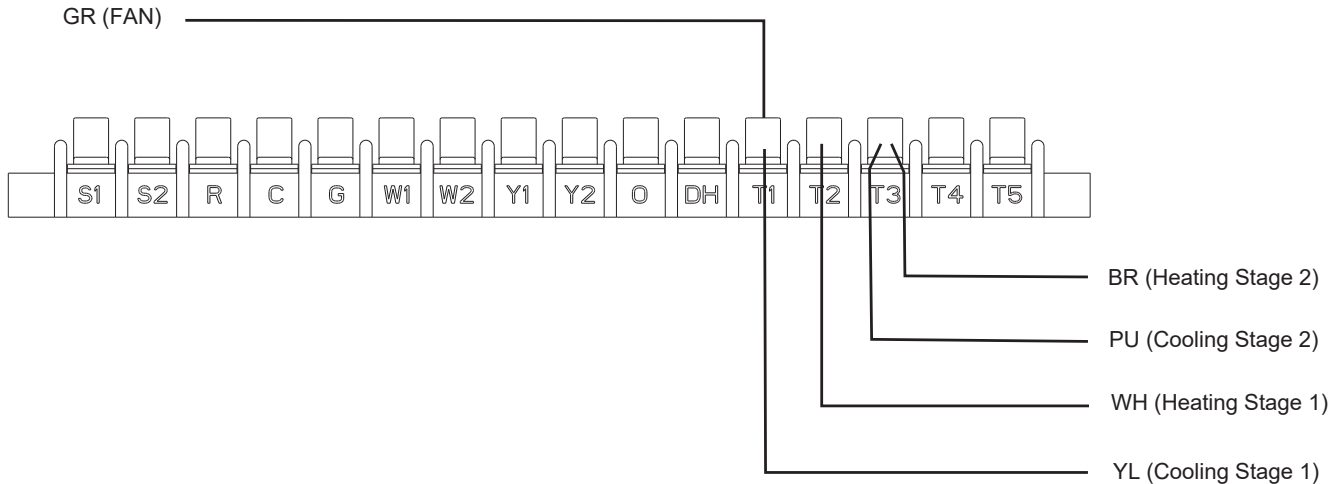
**Note:** If operating the unit below 0.8" ESP move PU wire to T2.

**Note:** YL can be moved to taps T2-T3 as long as YL does not share tap with PU. WH can be moved to tap T7 as long as WH does not share the tap with BR

When Heat is called TB1-W1 will also call TB1-DH activating the second set of taps T6-T10. If cooling and heating is called at the same time heating will take priority and T6-T10 will be chosen by default.

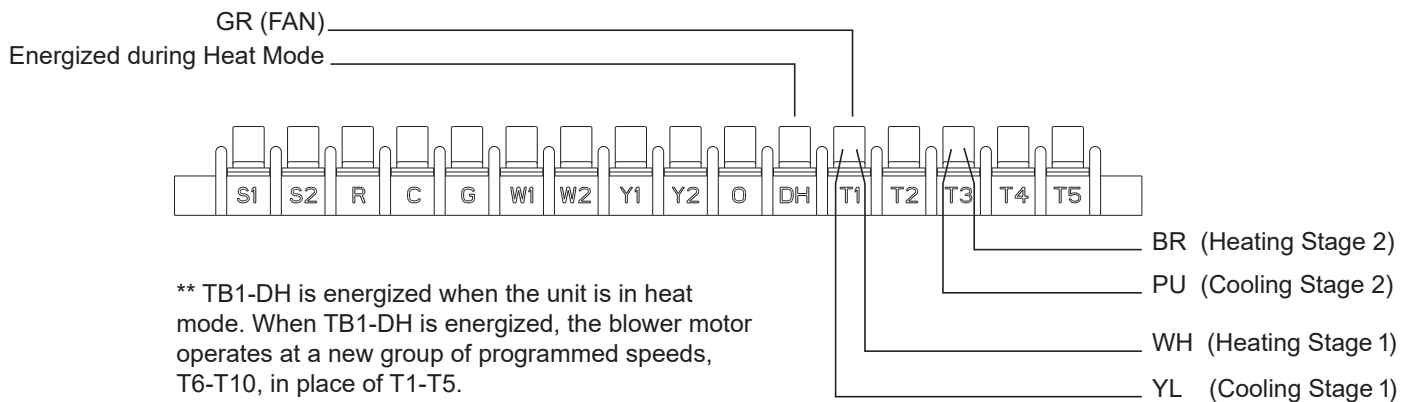
Note: For proper operation Y2 and W2 should have a higher speed setting than the G, Y1 and W1 speed setting.

## DRC/DRH MODEL WIRING (Standard Static)



- Move YELLOW (YL) wire from TB1-T1 to T2 or T3 to change blower speed during cooling stage 1 operation. (Do not move wires YL and PU to the same taps)
- Move WHITE (WH) wire from TB1-T2 to T3 to change blower speed during heating stage 1 operation. (Do not move wires WH and BR to the same taps)
- Move PURPLE (PU) wire from TB1-T3 to T4 or T5 to change blower speed during cooling stage 2 operation. (Do not move wires YL and PU to the same taps)
- Move BROWN (BR) wire from TB1-T3 to T4 or T5 to change blower speed during heating stage 2 operation. (Do not move wires WH and BR to the same taps)

## DRC/DRH Model Wiring (Hi Static)



- Move YELLOW (YL) wire from TB1-T1 to T2 or T3 to change blower speed during cooling stage 1 operation. (Do not move wires YL and PU to the same taps)
- Move WHITE (WH) wire from TB1-T6 to T7 to change blower speed during heating stage 1 operation. (Do not move wires WH and BR to the same taps)
- Move PURPLE (PU) wire from TB1-T3 to T4 or T5 to change blower speed during cooling stage 2 operation. (Do not move wires YL and PU to the same taps)
- Move BROWN (BR) wire from TB1-T8 to T9 or T10 to change blower speed during heating stage 2 operation. (Do not move wires WH and BR to the same taps)

### DRC OPERATION and WIRE RANGE CHART (STANDARD STATIC)

DRC OPERATIONS						WIRE RANGE				
AC	G	Y1	Y2	W1	W2	T1	T2	T3	T4	T5
Fan Only	X					BK				
Cooling Mode LO	X	X				●—YL→				
Cooling Mode HI	X	X	X					●—PU→		
Heating Mode LO	X			X			●—WH→			
Heating Mode HI	X			X	X			●—BR→		

### DRH OPERATION and WIRE RANGE CHART (STANDARD STATIC)

DRH OPERATIONS							WIRE RANGE				
HEAT PUMP	G	Y1	Y2	W1	W2	O	T1	T2	T3	T4	T5
Fan Only	X						GR				
Cooling Mode LO	X	X				X	●—YL→				
Cooling Mode HI	X	X	X			X			●—PU→		
Mech. Heating Mode LO	X	X					●—YL→				
Mech. Heating Mode HI	X	X	X						●—PU→		
Elec. Heating Mode LO	X			X				●—WH→			
Elec. Heating Mode HI	X			X	X				●—BR→		
Mech. plus Elec. Heat W1	X	X	X	X					●—PU→		
Mech. plus Elec. Heat W2	X	X	X	X	X				●—BR→		
Defrost ("O" from board)	X	X	X	X					●—PU→		

### DRH OPERATION and WIRE RANGE CHART (HI STATIC)

DRH OPERATIONS								WIRE RANGE									
HEAT PUMP	G	Y1	Y2	W1	W2	O	DH	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
Fan Only	X							GR									
Cooling Mode LO	X	X				X		●—YL→									
Cooling Mode HI	X	X	X			X				●—PU→							
Mech. Heating Mode LO	X	X						●—YL→									
Mech. Heating Mode HI	X	X	X							●—PU→							
Elec. Heating Mode LO	X			X			X					●—WH→					
Elec. Heating Mode HI	X			X	X		X									●—BR→	
Mech. plus Elec. Heat W1	X	X	X	X			X									●—PU→	
Mech. plus Elec. Heat W2	X	X	X	X	X		X									●—BR→	
Defrost ("O" from board)	X	X	X	X			X									●—PU→	

### DRC OPERATION and WIRE RANGE CHART (HI STATIC)

DRC OPERATIONS							WIRE RANGE									
AC	G	Y1	Y2	W1	W2	DH	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
Fan Only	X						BK									
Cooling Mode LO	X	X					●—YL→									
Cooling Mode HI	X	X	X						●—PU→							
Heating Mode LO	X			X							●—WH→					
Heating Mode HI	X			X	X										●—BR→	

X = 24V signal

●—→ = Range of AVAILABLE TAPS

For wire color information and placement, view DRC/DRH Model Wiring PG 13.

## REFRIGERATION SYSTEM CHECKS

This unit is equipped with thermal expansion valves. Ensure the hold-down bolts on the compressor are secure and have not vibrated loose during shipment. Check that the vibration grommets have been installed and visually check all piping for damage and leaks and repair if necessary. The entire system has been factory charged and tested, making it unnecessary to field charge. Factory refrigerant charge is shown on the unit's nameplate. To confirm charge levels or, if a leak occurs and charge needs to be added to the system, it is recommended to evacuate the system and recharge refrigerant to the unit's nameplate specifications. This unit has been rated in the cooling mode at the AHRI rated conditions of: indoor (80°F db/67°F wb) and outdoor (95°F db). While operating at this condition, the superheat should range from 9°F to 11°F for each refrigeration circuit measured at the suction service port located near the compressor.

## START-UP PROCEDURE AND CHECKLIST

Begin with power turned off at all disconnects.

### AIR CONDITIONING START-UP PROCEDURE

1. Ensure the thermostat is set to OFF and Fan is set to Auto.
2. Inspect all registers and set them to the normal open position.
3. Turn on the electrical supply at the disconnect.
4. Turn the fan switch to the "ON" position. The blower should operate after a 7 second delay.
5. Turn the fan switch to "Auto" position. The blower should stop after a 60 second delay.
6. Set the thermostat to Cool mode and slowly lower the cooling temperature until the unit starts. The compressor, blower and fan should now be operating. Allow the unit to run 10 minutes, make sure cool air is being supplied by the unit.
7. Check that the compressor is operating correctly. The scroll compressors in these units MUST operate in the proper rotation. To ensure the compressors are operating in the correct direction, check the compressor discharge line pressure or temperature after the compressor is started. The discharge pressure and discharge line temperature should increase. If this does not occur and the compressor is producing an exceptional amount of noise, this indicates that there is a phasing issue.



Perform the following to correct:

- 7.1 Turn power to the unit OFF.
  - 7.2 Switch any two leads of power supply at unit Single Point Power Block.
  - 7.3 Turn power to the unit ON.
  - 7.4 Perform step 7 again.
8. Turn the temperature setting to the highest position,

stopping the unit. The indoor blower will continue to run for 60 seconds.

9. Turn the thermostat system switch to "OFF" and disconnect all power when servicing the unit.

**NOTE: THE COMPRESSOR HAS 180 SECOND RE-START DELAY ON TIMER TO AVOID SHORT CYCLING.**

 <b>WARNING</b>
<p><b>HIGH VOLTAGE!</b> <b>DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.</b></p> 

### HEAT PUMP START-UP PROCEDURE

10. Check the cooling mode for the heat pump in the same manner as above. The reversing valve is energized when the thermostat is placed in the cooling position. A clicking sound should be noticeable from the reversing valve. By lowering the temperature setting to call for cooling, the solenoid valve is energized. The compressor, blower and fan should then be running. After the cooling mode is checked out, turn the thermostat system switch to "OFF".
11. Turn the thermostat system switch to "HEAT" and fan switch to "AUTO".
12. Slowly raise the heating temperature setting. When the heating first stage makes contact, stop raising the temperature setting. The compressor, blower and fan should now be running with the reversing valve in the deenergized (heating) position. After giving the unit time to settle out, make sure the unit is supplying heated air.  
Note: If the outdoor ambient is above 80°F, the unit may trip on its high pressure cut out when on heating. The compressor should stop. The heating cycle must be thoroughly checked, so postpone the test to another day when conditions are more suitable but-DO NOT FAIL TO TEST. If the outdoor ambient is low and the unit operates properly on the heating cycle, you may check the pressure cutout operation by blocking off the indoor return air until the unit trips.
13. Once the heating has been confirmed, raise the temperature setting until the second stage heating makes contact. Supplemental resistance heat, if installed should now come on. Make sure it operates properly.
14. For thermostats with emergency heat switch, set thermostat to Emergency Heat mode. The heat pump will stop, the blower will continue to run, all heaters will come on and the thermostat emergency heat light will come on. Confirm heaters operate normally.

## FINAL SYSTEM CHECKS

15. Check to see if all supply and return air grilles are adjusted and the air distribution system is balanced for the best compromise between heating and cooling.
16. Check for air leaks in the ductwork. See Sections on Air Flow Adjustments.
17. Make sure the unit is free of “rattles”, and the tubing in the unit is free from excessive vibration. Also make sure tubes or lines are not rubbing against each other or sheet metal surfaces or edges. If so, correct the trouble.
18. Set the thermostat at the appropriate setting for cooling and heating or automatic changeover for normal use.
19. Be sure the Owner is instructed on the unit operation, filter, servicing, correct thermostat operation, etc.

## REFRIGERATION PERFORMANCE CHECK

Check that compressor RLA corresponds to values shown in Appendix B. RLA draw can be much lower than values listed at low load conditions and low ambient condensing temperatures. Values in Appendix B can slightly exceed at high load conditions and high ambient condensing temperatures.

## HEAT PUMP OPERATION

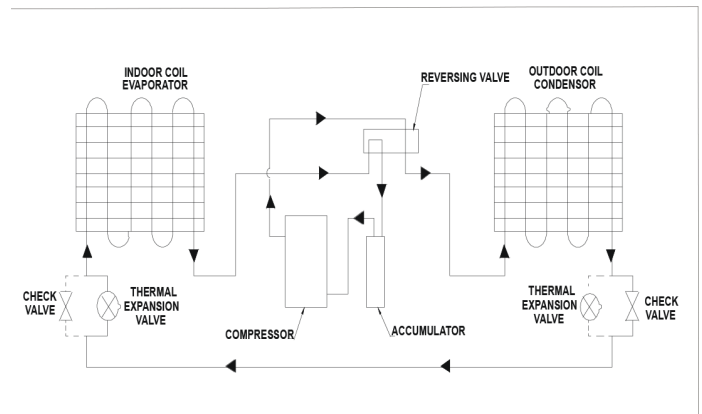
### COOLING CYCLE

When the heat pump is in the cooling cycle, it operates exactly as a Summer Air Conditioner unit. In this mode, all the charts and data for service that apply to summer air conditioning apply to the heat pump. Most apply on the heating cycle except the “condenser” becomes the “evaporator”, “evaporator” becomes “condenser”, “cooling” becomes “heating”.

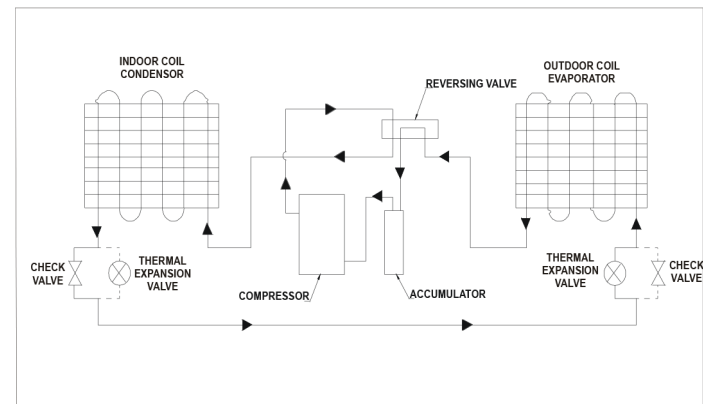
### HEATING CYCLE

The heat pump switches from cooling cycle by redirecting refrigerant flow through the refrigerant circuit external to the compressor. This is accomplished by the reversing valve. Hot discharge vapor from the compressor is directed to the indoor coil (evaporator on the cooling cycle) where the heat is removed, and the vapor condenses to liquid. It then goes through the expansion device to the outdoor coil (condenser on the cooling cycle) where the liquid is evaporated, and the vapor goes to the compressor.

The following figures show a schematic of a heat pump on the cooling cycle and the heating cycle. The heat pump is equipped with thermal expansion valves for the indoor and outdoor coils. It is also provided with a defrost control system.



COOLING



HEATING

### HEATING

When the heat pump is on the heating cycle, the outdoor coil is functioning as an evaporator. The temperature of the refrigerant in the outdoor coil must be below the temperature of the outdoor air in order to extract heat from the air. Thus, the greater the difference in the outdoor temperature and the outdoor coil temperature, the greater the heating capacity of the heat pump. This phenomenon is a characteristic of a heat pump. It is a good practice to provide supplementary heat for all heat pump installations in areas where the temperature drops below 45° F. It is also a good practice to provide sufficient supplementary heat to handle the entire heating requirement should there be a component failure of the heat pump, such as a compressor, or refrigerant leak, etc.



Since the temperature of the refrigerant in the outdoor coil on the heating cycle is generally below freezing point, frost forms on the surfaces of the outdoor coil under certain weather conditions of temperature and relative humidity. Therefore, it is necessary to reverse the flow of the refrigerant to provide hot gas in the outdoor coil to melt the frost accumulation. This is accomplished by reversing the heat pump to the cooling cycle. At the same time, the outdoor fan stops to hasten the temperature rise of the outdoor coil and lessen the time required for defrosting. The indoor blower continues to run and the supplementary heaters are energized.


### DEFROST CONTROL


During operation the Defrost signal to the circuit board is controlled by a temperature sensor, which is clamped

to a feeder tube entering the outdoor coil. Defrost timing periods of 30,60 and 90 minutes may be selected by connecting the circuit board jumper to 30, 60 and 90 respectively. Accumulation of time for the timing period selected starts when the sensor contact closes (approximately 31°F), and when the wall thermostat calls for heat. At the end of the timing period, the unit's defrost cycle will be initiated provided the sensor contact remains closed. When the sensor contact opens (approximately 75° F), the defrost cycle is terminated and the timing period is reset. If the defrost cycle is not terminated due to the sensor temperature, a ten minute override interrupts the unit's defrost period.

### MAINTENANCE


 <b>WARNING</b>
<p><b>HIGH VOLTAGE!</b>  <b>DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.</b></p> 

 <b>WARNING</b>
<p><b>TO PREVENT PERSONAL INJURY OR DEATH DUE TO IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE, REFER TO THIS MANUAL. FOR ADDITIONAL ASSISTANCE OR INFORMATION, CONSULT A QUALIFIED INSTALLER, SERVICER AGENCY OR THE GAS SUPPLIER.</b></p>

 <b>CAUTION</b>
<p><b>SHEET METAL PARTS, SCREWS, CLIPS AND SIMILAR ITEMS INHERENTLY HAVE SHARP EDGES, AND IT IS NECESSARY THAT THE INSTALLER AND SERVICE PERSONNEL EXERCISE CAUTION.</b></p>

The Self Contained Packaged Air Conditioner and Heat Pump should operate for many years without excessive service calls if the unit is installed properly. However it is recommended that the owner inspect the unit before a seasonal start up. The coils should be free of debris so adequate airflow is achieved. The return and supply registers should be free of any obstructions. The filters should be cleaned or replaced. These few steps will help to keep the product up time to a maximum. The Service section that follows should help in identifying problems if the unit does not operate properly.

### FILTERS

 <b>CAUTION</b>
<p><b>TO PREVENT PROPERTY DAMAGE DUE TO FIRE AND LOSS OF EQUIPMENT EFFICIENCY OR EQUIPMENT DAMAGE DUE TO DUST AND LINT BUILD UP ON INTERNAL PARTS, NEVER OPERATE UNIT WITHOUT AN AIR FILTER INSTALLED IN THE RETURN AIR SYSTEM.</b></p>

Every application may require a different frequency of replacement of dirty filters. Filters must be replaced at least every three (3) months during operating seasons.

Dirty filters are the most common cause of inadequate heating or cooling performance. Filter inspection should be made at least every two months; more often if necessary because of local conditions and usage.

Dirty throwaway filters should be discarded and replaced with a new, clean filter.

Disposable return air filters are supplied with this unit. See the unit Specification Sheet or Technical Manual for the correct size and part number. To remove the filters, remove the filter access panel on return side of the unit.

### CABINET FINISH MAINTENANCE

Use a fine grade automotive wax on the cabinet finish to maintain the finish's original high luster. This is especially important in installations with extended periods of direct sunlight.

### CLEAN OUTSIDE COIL (QUALIFIED SERVICER ONLY)

The coil with the outside air flowing over it should be inspected annually and cleaned as frequently as necessary to keep the finned areas free of lint, hair and debris.

### LUBRICATION

The supply fan motors, the condenser fan motors and compressors are permanently lubricated.

### FUNCTIONAL PARTS

Refer to the unit Parts Catalog for a list of functional parts. Parts are available from your distributor.



# APPENDIX A BLOWER PERFORMANCE TABLES - AC

**3 Ton Cooler**  
**Standard Static Drive**  
**Models: DRC0361D and DRC0363D**

**3 Ton Cooler**  
**Standard Static Drive**  
**Models: DRC0364D and DRC0367D**

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	978	525	0.04
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
T2	0.2	1269	568	0.18
	0.4	1176	621	0.20
	0.6	1084	696	0.22
	0.8	991	760	0.24
	1.0	898	828	0.27
T3	0.2	1115	568	0.15
	0.4	1095	620	0.17
	0.6	1004	695	0.19
	0.8	899	760	0.21
	1.0	770	827	0.22
T4	0.2	1365	640	0.23
	0.4	1262	698	0.25
	0.6	1166	763	0.27
	0.8	1034	839	0.30
	1.0	995	867	0.31
T5	0.2	-	-	-
	0.4	1378	756	0.32
	0.6	1291	816	0.35
	0.8	1197	873	0.37
	1.0	1078	938	0.40

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	998	558	0.04
	0.4	-	-	-
	0.6	-	-	-
	0.8	-	-	-
	1.0	-	-	-
T2	0.2	1295	643	0.21
	0.4	1200	702	0.23
	0.6	1106	776	0.25
	0.8	1011	851	0.27
	1.0	916	901	0.29
T3	0.2	1138	604	0.16
	0.4	1117	660	0.18
	0.6	1024	739	0.20
	0.8	917	808	0.22
	1.0	786	880	0.24
T4	0.2	1393	681	0.24
	0.4	1288	743	0.27
	0.6	1190	812	0.29
	0.8	1055	893	0.32
	1.0	1015	922	0.33
T5	0.2	-	-	-
	0.4	1406	804	0.34
	0.6	1317	868	0.37
	0.8	1221	929	0.40
	1.0	1100	998	0.43

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	940	533	0.11
	0.4	729	642	0.13
	0.6	562	735	0.15
	0.8	396	765	0.15
	1.0	-	-	-
T2	0.2	1488	685	0.28
	0.4	1374	751	0.30
	0.6	1233	843	0.34
	0.8	1072	914	0.37
	1.0	950	974	0.39
T3	0.2	1216	609	0.18
	0.4	1065	708	0.21
	0.6	906	784	0.23
	0.8	766	854	0.25
	1.0	627	882	0.26
T4	0.2	1488	685	0.28
	0.4	1374	751	0.30
	0.6	1233	843	0.34
	0.8	1072	914	0.37
	1.0	950	974	0.39
T5	0.2	-	-	-
	0.4	1490	782	0.36
	0.6	1369	859	0.40
	0.8	1220	934	0.43
	1.0	1102	992	0.46

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	961	540	0.11
	0.4	751	654	0.13
	0.6	589	740	0.15
	0.8	404	813	0.16
	1.0	-	-	-
T2	0.2	-	-	-
	0.4	1387	759	0.31
	0.6	1262	837	0.34
	0.8	1105	919	0.37
	1.0	998	976	0.39
T3	0.2	1237	614	0.18
	0.4	1095	704	0.21
	0.6	924	794	0.24
	0.8	792	863	0.26
	1.0	640	937	0.28
T4	0.2	-	-	-
	0.4	1387	759	0.31
	0.6	1262	837	0.34
	0.8	1105	919	0.37
	1.0	998	976	0.39
T5	0.2	-	-	-
	0.4	-	-	-
	0.6	1401	860	0.40
	0.8	1252	944	0.44
	1.0	1120	1006	0.47

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE DATA - AC

## 4 Ton Cooler

### Standard Static Drive

Models: DRC0481D and DRC0483D

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
<b>T1</b>	0.2	1045	545	0.11
	0.4	941	556	0.11
	0.6	802	641	0.13
	0.8	677	714	0.14
	1.0	-	-	-
<b>T2</b>	0.2	1685.6	764	0.39
	0.4	1601.32	788	0.40
	0.6	1595.44	724	0.37
	0.8	1493.52	883	0.45
	1.0	1427.86	940	0.47
<b>T3</b>	0.2	1504.3	706	0.32
	0.4	1396.5	767	0.35
	0.6	1207.36	892	0.41
	0.8	1189.72	920	0.42
	1.0	1073.1	985	0.45
<b>T4</b>	0.2	1721.86	794	0.44
	0.4	1736.56	822	0.45
	0.6	1660.12	852	0.47
	0.8	1584.66	904	0.50
	1.0	1527.82	944	0.52
<b>T5</b>	0.2	1788.767	692	0.41
	0.4	1697.903	724	0.43
	0.6	1656.925	745	0.45
	0.8	1624.856	769	0.46
	1.0	1567.843	807	0.48

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
<b>T1</b>	0.2	1066	556	0.11
	0.4	960	592	0.12
	0.6	818	682	0.14
	0.8	691	760	0.15
	1.0	-	-	-
<b>T2</b>	0.2	1720	780	0.39
	0.4	1634	804	0.41
	0.6	1628	739	0.37
	0.8	1524	901	0.45
	1.0	1457	959	0.48
<b>T3</b>	0.2	1535	720	0.33
	0.4	1425	783	0.36
	0.6	1232	910	0.42
	0.8	1214	939	0.43
	1.0	1095	1005	0.46
<b>T4</b>	0.2	1757	810	0.45
	0.4	1772	839	0.46
	0.6	1694	869	0.48
	0.8	1617	922	0.51
	1.0	1559	963	0.53
<b>T5</b>	0.2	1825.272	736	0.44
	0.4	1732.554	770	0.46
	0.6	1690.74	793	0.48
	0.8	1658.016	818	0.49
	1.0	1599.84	859	0.52

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

## 4 Ton Cooler

### Standard Static Drive

Models: DRC0484D and DRC0487D

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
<b>T1</b>	0.2	949	553	0.12
	0.4	773	658	0.14
	0.6	609	738	0.16
	0.8	414	822	0.18
	1.0	-	-	-
<b>T2</b>	0.2	1744	793	0.43
	0.4	1627	846	0.46
	0.6	1515	910	0.50
	0.8	1405	973	0.53
	1.0	1298	1034	0.57
<b>T3</b>	0.2	1512	715	0.31
	0.4	1380	783	0.34
	0.6	1260	855	0.37
	0.8	1139	923	0.40
	1.0	1009	988	0.42
<b>T4</b>	0.2	1744	793	0.43
	0.4	1627	846	0.46
	0.6	1515	910	0.50
	0.8	1405	973	0.53
	1.0	1298	1034	0.57
<b>T5</b>	0.2	1877	832	0.50
	0.4	1761	885	0.54
	0.6	1656	940	0.57
	0.8	1553	997	0.61
	1.0	1453	1054	0.64

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
<b>T1</b>	0.2	991	541	0.12
	0.4	806	646	0.14
	0.6	652	737	0.16
	0.8	473	826	0.18
	1.0	-	-	-
<b>T2</b>	0.2	1774	769	0.42
	0.4	1679	823	0.45
	0.6	1584	875	0.48
	0.8	1491	932	0.51
	1.0	1369	1007	0.55
<b>T3</b>	0.2	1547	698	0.30
	0.4	1451	754	0.32
	0.6	1343	817	0.35
	0.8	1203	903	0.39
	1.0	1076	972	0.42
<b>T4</b>	0.2	1774	769	0.42
	0.4	1679	823	0.45
	0.6	1584	875	0.48
	0.8	1491	932	0.51
	1.0	1369	1007	0.55
<b>T5</b>	0.2	1896	808	0.49
	0.4	1806	859	0.52
	0.6	1728	903	0.55
	0.8	1630	960	0.58
	1.0	1538	1015	0.62

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - AC

## 5 Ton Cooler

### Standard Static Drive

Models: DRC0601D and DRC0603D

Down Flow					Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1111	557	0.14	T1	0.2	1134	592	0.15
	0.4	987	639	0.16		0.4	1007	680	0.17
	0.6	816	734	0.19		0.6	832	781	0.20
	0.8	714	795	0.20		0.8	729	846	0.22
	1.0	589	859	0.22		1.0	602	913	0.23
T2	0.2	2079	886	0.72	T2	0.2	2121	942	0.76
	0.4	2010	929	0.75		0.4	2051	989	0.80
	0.6	1958	964	0.78		0.6	1998	1026	0.83
	0.8	1919	994	0.80		0.8	1958	1057	0.86
	1.0	1839	1033	0.84		1.0	1877	1099	0.89
T3	0.2	1731	761	0.43	T3	0.2	1766	809	0.46
	0.4	1675	805	0.46		0.4	1709	856	0.49
	0.6	1607	847	0.48		0.6	1640	901	0.51
	0.8	1526	898	0.51		0.8	1557	956	0.55
	1.0	1429	962	0.55		1.0	1458	1023	0.58
T4	0.2	2143	886	0.76	T4	0.2	2187	942	0.81
	0.4	2064	929	0.80		0.4	2106	989	0.85
	0.6	2010	964	0.83		0.6	2051	1026	0.88
	0.8	1966	994	0.85		0.8	2006	1057	0.91
	1.0	1903	1033	0.89		1.0	1942	1099	0.94
T5	0.2	2254	923	0.88	T5	0.2	2300	982	0.93
	0.4	2178	964	0.92		0.4	2222	1025	0.98
	0.6	2127	997	0.95		0.6	2170	1061	1.01
	0.8	2078	1029	0.98		0.8	2120	1095	1.04
	1.0	2026	1060	1.01		1.0	2067	1128	1.07

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

## 5 Ton Cooler

### Standard Static Drive

Models: DRC0604D and DRC0607D

Down Flow					Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1030	579	0.13	T1	0.2	1063	560	0.13
	0.4	879	671	0.15		0.4	936	652	0.15
	0.6	700	765	0.17		0.6	770	750	0.17
	0.8	538	853	0.19		0.8	614	824	0.19
	1.0	461	847	0.19		1.0	471	901	0.20
T2	0.2	1963	872	0.56	T2	0.2	1998	818	0.53
	0.4	1861	927	0.60		0.4	1898	878	0.56
	0.6	1775	972	0.62		0.6	1809	937	0.60
	0.8	1688	1021	0.66		0.8	1715	992	0.64
	1.0	1584	1080	0.69		1.0	1667	1036	0.67
T3	0.2	1804	820	0.46	T3	0.2	1846	771	0.43
	0.4	1695	879	0.49		0.4	1744	832	0.47
	0.6	1610	931	0.52		0.6	1643	897	0.50
	0.8	1516	988	0.55		0.8	1585	944	0.53
	1.0	1417	1053	0.59		1.0	1480	1010	0.56
T4	0.2	2037	897	0.62	T4	0.2	2073	839	0.58
	0.4	1935	951	0.66		0.4	1977	896	0.62
	0.6	1847	997	0.69		0.6	1883	952	0.66
	0.8	1768	1039	0.72		0.8	1794	1006	0.69
	1.0	1665	1093	0.75		1.0	1747	1049	0.72
T5	0.2	2110	921	0.68	T5	0.2	2141	856	0.63
	0.4	2010	974	0.72		0.4	2052	912	0.67
	0.6	1912	1024	0.76		0.6	1961	969	0.71
	0.8	1841	1060	0.78		0.8	1870	1023	0.75
	1.0	1749	1108	0.82		1.0	1794	1070	0.79

Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - AC

## 6 Ton Cooler

### Standard Static Drive

Models: DRC0723D, DRC0724D and DRC0727D

Down Flow					
SPEED TAP	TORQUE OZ-FT	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	28	0.2	1394	635	0.21
		0.4	1265	711	0.24
		0.6	1127	805	0.27
		0.8	983	885	0.29
		1.0	855	952	0.32
T2	78	0.2	2301	832	0.77
		0.4	2229	882	0.82
		0.6	2156	929	0.86
		0.8	2083	979	0.91
		1.0	2011	1033	0.96
T3	65	0.2	2226	892	0.69
		0.4	2143	931	0.72
		0.6	2052	973	0.75
		0.8	1950	1027	0.79
		1.0	1861	1080	0.84
T4	78	0.2	2301	903	0.84
		0.4	2229	935	0.87
		0.6	2156	987	0.92
		0.8	2083	1034	0.96
		1.0	2011	1080	1.00
T5	80	0.2	2435	972	0.93
		0.4	2362	1007	0.96
		0.6	2293	1043	0.99
		0.8	2209	1086	1.03
		1.0	2124	1134	1.08

Horizontal Flow					
SPEED TAP	TORQUE OZ-FT	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	28	0.2	1382	642	0.21
		0.4	1259	724	0.24
		0.6	1160	799	0.27
		0.8	1016	879	0.29
		1.0	899	948	0.32
T2	78	0.2	2348.22	926	0.86
		0.4	2274.11	973	0.90
		0.6	2200	1020	0.95
		0.8	2125.89	1066	0.99
		1.0	2051.78	1113	1.03
T3	65	0.2	2211	885	0.68
		0.4	2128	938	0.73
		0.6	2034	988	0.76
		0.8	1950	1042	0.81
		1.0	1859	1098	0.85
T4	78	0.2	2348.22	926	0.86
		0.4	2274.11	973	0.90
		0.6	2200	1020	0.95
		0.8	2125.89	1066	0.99
		1.0	2051.78	1113	1.03
T5	80	0.2	2404	961	0.91
		0.4	2347	995	0.95
		0.6	2273	1050	1.00
		0.8	2193	1100	1.05
		1.0	2111	1149	1.09

Shaded area indicates air flow below 1800 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating  
MIN CFM 1800 / MAX BHP 1.2

# APPENDIX A BLOWER PERFORMANCE TABLES - AC

**3 Ton Cooler**

**High Static Drive**

**Models: DRC0363W, DRC0364W, DRC0367W**

**3 Ton Cooler**

**High Static Drive**

**Models: DRC0363W, DRC0364W, DRC0367W**

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	751	654	0.13	0.4	-	-	-		
0.6	589	740	0.15	0.6	-	-	-		
0.8	404	813	0.16	0.8	1398	959	0.50		
1.0	-	-	-	1.0	1246	1037	0.54		
1.2	-	-	-	1.2	1140	1090	0.57		
1.4	-	-	-	1.4	1040	1136	0.59		
1.6	-	-	-	1.6	918	1196	0.63		
1.8	-	-	-	1.8	799	1252	0.66		
2.0	-	-	-	2.0	-	-	-		
<b>T2 C</b>	0.2	1237	614	0.18	<b>T7 H</b>	0.2	-	-	-
	0.4	1095	704	0.21		0.4	-	-	-
	0.6	924	794	0.24		0.6	-	-	-
	0.8	792	863	0.26		0.8	-	-	-
	1.0	640	937	0.28		1.0	-	-	-
	1.2	485	990	0.29		1.2	1259	1109	0.63
	1.4	-	-	-		1.4	1155	1160	0.66
	1.6	-	-	-		1.6	1060	1205	0.69
	1.8	-	-	-		1.8	947	1260	0.72
2.0	-	-	-	2.0	830	1312	0.75		
<b>T3 C</b>	0.2	-	-	-	<b>T8 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	1259	1109	0.63		1.2	1524	1059	0.67
	1.4	1155	1160	0.66		1.4	1273	1179	0.74
	1.6	1060	1205	0.69		1.6	1179	1227	0.77
	1.8	947	1260	0.72		1.8	1081	1273	0.80
2.0	830	1312	0.75	2.0	964	1327	0.84		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	1524	1059	0.67		1.2	-	-	-
	1.4	1273	1179	0.74		1.4	-	-	-
	1.6	1179	1227	0.77		1.6	1284	1249	0.86
	1.8	1081	1273	0.80		1.8	1197	1294	0.89
2.0	964	1327	0.84	2.0	1095	1337	0.92		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	-	-	-		1.4	-	-	-
	1.6	1393	1269	0.94		1.6	1393	1269	0.94
	1.8	1307	1312	0.97		1.8	1307	1312	0.97
2.0	1218	1354	1.00	2.0	1218	1354	1.00		

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	729	642	0.13	0.4	-	-	-		
0.6	562	735	0.15	0.6	-	-	-		
0.8	-	-	-	0.8	1362	958	0.50		
1.0	-	-	-	1.0	1238	1016	0.53		
1.2	-	-	-	1.2	1115	1072	0.56		
1.4	-	-	-	1.4	1014	1128	0.59		
1.6	-	-	-	1.6	925	1184	0.62		
1.8	-	-	-	1.8	791	1229	0.64		
2.0	-	-	-	2.0	-	-	-		
<b>T2 C</b>	0.2	1216	609	0.18	<b>T7 H</b>	0.2	-	-	-
	0.4	1065	708	0.21		0.4	-	-	-
	0.6	906	784	0.23		0.6	-	-	-
	0.8	766	854	0.25		0.8	1482	973	0.56
	1.0	629	923	0.27		1.0	1351	1039	0.59
	1.2	460	977	0.29		1.2	1239	1089	0.62
	1.4	-	-	-		1.4	1136	1139	0.65
	1.6	-	-	-		1.6	1041	1193	0.68
	1.8	-	-	-		1.8	949	1249	0.71
2.0	-	-	-	2.0	843	1289	0.74		
<b>T3 C</b>	0.2	-	-	-	<b>T8 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	1482	973	0.56		0.8	-	-	-
	1.0	1351	1039	0.59		1.0	1463	1060	0.67
	1.2	1239	1089	0.62		1.2	1349	1109	0.70
	1.4	1136	1139	0.65		1.4	1251	1160	0.73
	1.6	1041	1193	0.68		1.6	1145	1209	0.76
	1.8	949	1249	0.71		1.8	1062	1259	0.79
2.0	843	1289	0.74	2.0	970	1310	0.83		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	1463	1060	0.67		1.0	-	-	-
	1.2	1349	1109	0.70		1.2	1461	1133	0.78
	1.4	1251	1160	0.73		1.4	1359	1180	0.81
	1.6	1145	1209	0.76		1.6	1259	1228	0.85
	1.8	1062	1259	0.79		1.8	1162	1278	0.88
2.0	970	1310	0.83	2.0	1082	1325	0.91		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	1453	1195	0.88		1.4	1453	1195	0.88
	1.6	1358	1241	0.92		1.6	1358	1241	0.92
	1.8	1262	1286	0.95		1.8	1262	1286	0.95
2.0	1193	1339	0.99	2.0	1193	1339	0.99		

Shaded area indicates air flow below 900 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

Shaded area indicates air flow below 900 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - AC

**4 Ton Cooler**

**High Static Drive**

**Models: DRC0483W, DRC0484W, DRC0487W**

**4 Ton Cooler**

**High Static Drive**

**Models: DRC0483W, DRC0484W, DRC0487W**

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	773	658	0.14	0.4	1878	923	0.63		
0.6	609	738	0.16	0.6	1777	974	0.66		
0.8	414	822	0.18	0.8	1675	1029	0.70		
1.0	-	-	-	1.0	1580	1083	0.73		
1.2	-	-	-	1.2	1484	1136	0.77		
1.4	-	-	-	1.4	1365	1194	0.81		
1.6	-	-	-	1.6	1258	1243	0.84		
1.8	-	-	-	1.8	1161	1288	0.87		
2.0	-	-	-	2.0	1045	1341	0.91		
<b>T2 C</b>	0.2	1512	715	0.31	<b>T7 H</b>	0.2	-	-	-
	0.4	1380	783	0.34		0.4	1988	955	0.72
	0.6	1260	855	0.37		0.6	1891	1003	0.75
	0.8	1139	923	0.40		0.8	1791	1054	0.79
	1.0	1009	988	0.42		1.0	1691	1110	0.83
	1.2	893	1045	0.45		1.2	1606	1159	0.87
	1.4	753	1113	0.48		1.4	1513	1211	0.91
	1.6	511	1207	0.52		1.6	1389	1269	0.95
	1.8	629	1159	0.50		1.8	1283	1314	0.98
2.0	-	-	-	2.0	1191	1357	1.02		
<b>T3 C</b>	0.2	-	-	-	<b>T8 H</b>	0.2	-	-	-
	0.4	1988	955	0.72		0.4	-	-	-
	0.6	1891	1003	0.75		0.6	1999	1036	0.85
	0.8	1791	1054	0.79		0.8	1900	1085	0.89
	1.0	1691	1110	0.83		1.0	1802	1140	0.94
	1.2	1606	1159	0.87		1.2	1714	1191	0.98
	1.4	1513	1211	0.91		1.4	1623	1237	1.02
	1.6	1389	1269	0.95		1.6	1519	1292	1.06
	1.8	1283	1314	0.98		1.8	1407	1340	1.10
2.0	1191	1357	1.02	2.0	1313	1385	1.14		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	1914	1162	1.02		1.0	1914	1162	1.02
	1.2	1827	1211	1.07		1.2	1827	1211	1.07
	1.4	1747	1254	1.10		1.4	1747	1254	1.10
	1.6	1655	1304	1.15		1.6	1655	1304	1.15
	1.8	1542	1356	1.19		1.8	1542	1356	1.19
2.0	1444	1398	1.23	2.0	1444	1398	1.23		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	1932	1233	1.17		1.2	1932	1233	1.17
	1.4	1849	1276	1.22		1.4	1849	1276	1.22
	1.6	1770	1321	1.26		1.6	1770	1321	1.26
	1.8	1672	1373	1.31		1.8	1672	1373	1.31
2.0	1541	1418	1.35	2.0	1541	1418	1.35		

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	806	646	0.14	0.4	1928	895	0.61		
0.6	652	737	0.16	0.6	1853	938	0.64		
0.8	473	826	0.18	0.8	1758	989	0.67		
1.0	-	-	-	1.0	1676	1038	0.70		
1.2	-	-	-	1.2	1576	1100	0.75		
1.4	-	-	-	1.4	1452	1165	0.79		
1.6	-	-	-	1.6	1337	1220	0.83		
1.8	-	-	-	1.8	1250	1268	0.86		
2.0	-	-	-	2.0	1165	1314	0.89		
<b>T2 C</b>	0.2	1547	698	0.30	<b>T7 H</b>	0.2	-	-	-
	0.4	1451	754	0.32		0.4	-	-	-
	0.6	1343	817	0.35		0.6	1965	970	0.73
	0.8	1203	903	0.39		0.8	1885	1014	0.76
	1.0	1076	972	0.42		1.0	1797	1063	0.80
	1.2	964	1032	0.44		1.2	1707	1114	0.84
	1.4	808	1115	0.48		1.4	1600	1180	0.88
	1.6	696	1164	0.50		1.6	1483	1239	0.93
	1.8	907	1206	0.52		1.8	1383	1291	0.97
2.0	460	1247	0.53	2.0	1293	1330	1.00		
<b>T3 C</b>	0.2	-	-	-	<b>T8 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	1965	970	0.73		0.6	-	-	-
	0.8	1885	1014	0.76		0.8	1999	1041	0.86
	1.0	1797	1063	0.80		1.0	1912	1090	0.90
	1.2	1707	1114	0.84		1.2	1834	1133	0.93
	1.4	1600	1180	0.88		1.4	1736	1190	0.98
	1.6	1483	1239	0.93		1.6	1634	1251	1.03
	1.8	1383	1291	0.97		1.8	1516	1304	1.07
2.0	1293	1330	1.00	2.0	1419	1350	1.11		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	1944	1154	1.02		1.2	1944	1154	1.02
	1.4	1863	1205	1.06		1.4	1863	1205	1.06
	1.6	1765	1265	1.11		1.6	1765	1265	1.11
	1.8	1656	1318	1.16		1.8	1656	1318	1.16
2.0	1544	1366	1.20	2.0	1544	1366	1.20		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	1970	1223	1.16		1.4	1970	1223	1.16
	1.6	1888	1273	1.21		1.6	1888	1273	1.21
	1.8	1789	1328	1.26		1.8	1789	1328	1.26
2.0	1676	1382	1.32	2.0	1676	1382	1.32		

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - AC

**5 Ton Cooler**

**High Static Drive**

**Models: DRC0603W, DRC0604W, DRC0607W**

**5 Ton Cooler**

**High Static Drive**

**Models: DRC0603W, DRC0604W, DRC0607W**

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	853	673	0.14	0.4	2196	1038	0.89		
0.6	677	764	0.16	0.6	2095	1090	0.93		
0.8	537	845	0.18	0.8	2011	1142	0.98		
1.0	-	-	-	1.0	1926	1192	1.02		
1.2	-	-	-	1.2	1847	1237	1.06		
1.4	-	-	-	1.4	1774	1281	1.10		
1.6	-	-	-	1.6	1698	1324	1.13		
1.8	-	-	-	1.8	1602	1371	1.17		
2.0	-	-	-	2.0	1517	1417	1.21		
<b>T2 C</b>	0.2	1815	829	0.46	<b>T7 H</b>	0.2	2360	1024	0.94
	0.4	1706	891	0.50		0.4	2275	1067	0.98
	0.6	1611	956	0.53		0.6	2189	1118	1.02
	0.8	1510	1013	0.57		0.8	2114	1169	1.07
	1.0	1422	1066	0.60		1.0	2031	1217	1.12
	1.2	1325	1121	0.63		1.2	1955	1261	1.16
	1.4	1217	1175	0.66		1.4	1878	1303	1.19
	1.6	1113	1231	0.69		1.6	1808	1344	1.23
	1.8	1008	1286	0.72		1.8	1722	1385	1.27
2.0	924	1332	0.75	2.0	1645	1429	1.31		
<b>T3 C</b>	0.2	2360	1024	0.94	<b>T8 H</b>	0.2	2452	1053	1.04
	0.4	2275	1067	0.98		0.4	2366	1103	1.09
	0.6	2189	1118	1.02		0.6	2282	1144	1.13
	0.8	2114	1169	1.07		0.8	2205	1193	1.18
	1.0	2031	1217	1.12		1.0	2123	1241	1.23
	1.2	1955	1261	1.16		1.2	2050	1286	1.27
	1.4	1878	1303	1.19		1.4	1981	1328	1.31
	1.6	1808	1344	1.23		1.6	1909	1367	1.35
	1.8	1722	1385	1.27		1.8	1829	1406	1.39
2.0	1645	1429	1.31	2.0	1753	1448	1.43		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	2459	1132	1.20		0.4	2459	1132	1.20
	0.6	2369	1170	1.24		0.6	2369	1170	1.24
	0.8	2286	1217	1.29		0.8	2286	1217	1.29
	1.0	2225	1263	1.34		1.0	2225	1263	1.34
	1.2	2151	1307	1.38		1.2	2151	1307	1.38
	1.4	2075	1349	1.43		1.4	2075	1349	1.43
	1.6	2002	1386	1.47		1.6	2002	1386	1.47
	1.8	1939	1426	1.51		1.8	1939	1426	1.51
2.0	1855	1463	1.55	2.0	1855	1463	1.55		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	2453	1197	1.35		0.6	2453	1197	1.35
	0.8	2363	1243	1.41		0.8	2363	1243	1.41
	1.0	2285	1291	1.46		1.0	2285	1291	1.46
	1.2	2226	1331	1.50		1.2	2226	1331	1.50
	1.4	2159	1372	1.55		1.4	2159	1372	1.55
	1.6	2090	1409	1.59		1.6	2090	1409	1.59
	1.8	2029	1445	1.63		1.8	2029	1445	1.63
2.0	1954	1483	1.68	2.0	1954	1483	1.68		

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	1068	581	0.12	0.4	2239	1004	0.86		
0.6	904	683	0.15	0.6	2160	1053	0.90		
0.8	752	769	0.16	0.8	2075	1100	0.94		
1.0	597	846	0.18	1.0	2001	1155	0.99		
1.2	401	888	0.19	1.2	1939	1205	1.03		
1.4	-	-	-	1.4	1833	1268	1.09		
1.6	-	-	-	1.6	1750	1318	1.13		
1.8	-	-	-	1.8	1660	1365	1.17		
2.0	-	-	-	2.0	1575	1410	1.21		
<b>T2 C</b>	0.2	1842	806	0.45	<b>T7 H</b>	0.2	2396	992	0.91
	0.4	1742	866	0.48		0.4	2324	1031	0.94
	0.6	1658	927	0.52		0.6	2260	1079	0.99
	0.8	1569	993	0.56		0.8	2179	1124	1.03
	1.0	1458	1058	0.59		1.0	2110	1179	1.08
	1.2	1355	1118	0.63		1.2	2051	1220	1.12
	1.4	1260	1174	0.66		1.4	1945	1285	1.18
	1.6	1158	1228	0.69		1.6	1867	1336	1.22
	1.8	1069	1279	0.72		1.8	1783	1380	1.26
2.0	985	1324	0.74	2.0	1698	1427	1.31		
<b>T3 C</b>	0.2	2396	992	0.91	<b>T8 H</b>	0.2	2477	1024	1.01
	0.4	2324	1031	0.94		0.4	2407	1058	1.05
	0.6	2260	1079	0.99		0.6	2335	1103	1.09
	0.8	2179	1124	1.03		0.8	2277	1151	1.14
	1.0	2110	1179	1.08		1.0	2202	1197	1.18
	1.2	2051	1220	1.12		1.2	2151	1245	1.23
	1.4	1945	1285	1.18		1.4	2056	1304	1.29
	1.6	1867	1336	1.22		1.6	1970	1358	1.34
	1.8	1783	1380	1.26		1.8	1891	1403	1.39
2.0	1698	1427	1.31	2.0	1803	1443	1.43		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	2491	1085	1.15		0.4	2491	1085	1.15
	0.6	2422	1125	1.19		0.6	2422	1125	1.19
	0.8	2349	1168	1.24		0.8	2349	1168	1.24
	1.0	2289	1212	1.28		1.0	2289	1212	1.28
	1.2	2209	1268	1.34		1.2	2209	1268	1.34
	1.4	2166	1309	1.39		1.4	2166	1309	1.39
	1.6	2069	1366	1.45		1.6	2069	1366	1.45
	1.8	1994	1411	1.49		1.8	1994	1411	1.49
2.0	1915	1456	1.54	2.0	1915	1456	1.54		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	2434	1194	1.35		0.8	2434	1194	1.35
	1.0	2372	1238	1.40		1.0	2372	1238	1.40
	1.2	2304	1298	1.47		1.2	2304	1298	1.47
	1.4	2244	1334	1.51		1.4	2244	1334	1.51
	1.6	2169	1381	1.56		1.6	2169	1381	1.56
	1.8	2085	1434	1.62		1.8	2085	1434	1.62
2.0	2006	1477	1.67	2.0	2006	1477	1.67		

Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - AC

## 6 Ton Cooler

### High Static Drive

Models: DRC0723W, DRC0724W, DRC0727W

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N.W.C.	SCFM	RPM	BHP
0.4	1262	751	0.25	0.4	2538	1108	1.23		
0.6	1145	821	0.27	0.6	2448	1148	1.27		
0.8	1017	899	0.30	0.8	2372	1195	1.32		
1.0	884	968	0.32	1.0	2299	1246	1.38		
1.2	756	1030	0.34	1.2	2224	1282	1.42		
1.4	564	1069	0.36	1.4	2160	1326	1.47		
1.6	442	1118	0.37	1.6	2092	1364	1.51		
1.8	-	-	-	1.8	2021	1405	1.55		
2.0	-	-	-	2.0	1946	1448	1.60		
<b>T2 C</b>	0.2	2010	864	0.57	<b>T7 H</b>	0.2	2731	1111	1.34
	0.4	1918	920	0.60		0.4	2655	1146	1.38
	0.6	1808	985	0.64		0.6	2570	1188	1.43
	0.8	1733	1033	0.68		0.8	2483	1234	1.48
	1.0	1637	1085	0.71		1.0	2410	1280	1.54
	1.2	1549	1139	0.75		1.2	2337	1322	1.59
	1.4	1452	1196	0.78		1.4	2290	1356	1.63
	1.6	1348	1249	0.82		1.6	2219	1392	1.67
	1.8	1245	1298	0.85		1.8	2156	1435	1.72
2.0	1152	1348	0.88	2.0	2085	1473	1.77		
<b>T3 C</b>	0.2	2731	1111	1.34	<b>T8 H</b>	0.2	2815	1142	1.45
	0.4	2655	1146	1.38		0.4	2741	1177	1.50
	0.6	2570	1188	1.43		0.6	2668	1211	1.54
	0.8	2483	1234	1.48		0.8	2585	1255	1.60
	1.0	2410	1280	1.54		1.0	2507	1302	1.66
	1.2	2337	1322	1.59		1.2	2436	1350	1.72
	1.4	2290	1356	1.63		1.4	2369	1383	1.76
	1.6	2219	1392	1.67		1.6	2320	1416	1.80
	1.8	2156	1435	1.72		1.8	2255	1454	1.85
2.0	2085	1473	1.77	2.0	2188	1492	1.90		
<b>T4 C</b>	0.2	2815	1142	1.45	<b>T9 H</b>	0.2	2903	1176	1.61
	0.4	2741	1177	1.50		0.4	2829	1204	1.65
	0.6	2668	1211	1.54		0.6	2769	1242	1.70
	0.8	2585	1255	1.60		0.8	2681	1284	1.76
	1.0	2507	1302	1.66		1.0	2601	1323	1.81
	1.2	2436	1350	1.72		1.2	2530	1372	1.88
	1.4	2369	1383	1.76		1.4	2466	1406	1.92
	1.6	2320	1416	1.80		1.6	2424	1440	1.97
	1.8	2255	1454	1.85		1.8	2356	1476	2.02
2.0	2188	1492	1.90	2.0	-	-	-		
<b>T5 C</b>	0.2	2970	1200	1.74	<b>T10 H</b>	0.2	2970	1200	1.74
	0.4	2905	1236	1.79		0.4	2905	1236	1.79
	0.6	2841	1268	1.84		0.6	2841	1268	1.84
	0.8	2759	1308	1.90		0.8	2759	1308	1.90
	1.0	2681	1348	1.96		1.0	2681	1348	1.96
	1.2	2606	1398	2.03		1.2	2606	1398	2.03
	1.4	2550	1436	2.09		1.4	2550	1436	2.09
	1.6	2485	1470	2.13		1.6	2485	1470	2.13
	1.8	-	-	-		1.8	-	-	-
2.0	-	-	-	2.0	-	-	-		

Shaded area indicates air flow below 1800 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

## 6 Ton Cooler

### High Static Drive

Models: DRC0723W, DRC0724W, DRC0727W

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N.W.C.	SCFM	RPM	BHP
0.4	1261	737	0.25	0.4	2545	1095	1.21		
0.6	1130	818	0.27	0.6	2475	1130	1.25		
0.8	1012	894	0.30	0.8	2400	1171	1.30		
1.0	884	966	0.32	1.0	2333	1220	1.35		
1.2	765	1026	0.34	1.2	2261	1271	1.41		
1.4	638	1092	0.36	1.4	2216	1317	1.46		
1.6	487	1113	0.37	1.6	2137	1372	1.52		
1.8	-	-	-	1.8	2053	1421	1.57		
2.0	-	-	-	2.0	1976	1461	1.62		
<b>T2 C</b>	0.2	2021	852	0.56	<b>T7 H</b>	0.2	2690	1108	1.33
	0.4	1942	897	0.59		0.4	2634	1140	1.37
	0.6	1854	951	0.62		0.6	2576	1165	1.40
	0.8	1762	1025	0.67		0.8	2509	1206	1.45
	1.0	1670	1086	0.71		1.0	2440	1251	1.50
	1.2	1586	1140	0.75		1.2	2370	1297	1.56
	1.4	1485	1197	0.78		1.4	2307	1348	1.62
	1.6	1384	1252	0.82		1.6	2244	1390	1.67
	1.8	1287	1306	0.85		1.8	2177	1441	1.73
2.0	1198	1352	0.89	2.0	2092	1484	1.78		
<b>T3 C</b>	0.2	2690	1108	1.33	<b>T8 H</b>	0.2	2797	1137	1.45
	0.4	2634	1140	1.37		0.4	2745	1163	1.48
	0.6	2576	1165	1.40		0.6	2680	1194	1.52
	0.8	2509	1206	1.45		0.8	2612	1231	1.57
	1.0	2440	1251	1.50		1.0	2537	1272	1.62
	1.2	2370	1297	1.56		1.2	2463	1316	1.68
	1.4	2307	1348	1.62		1.4	2420	1357	1.73
	1.6	2244	1390	1.67		1.6	2356	1397	1.78
	1.8	2177	1441	1.73		1.8	2292	1444	1.84
2.0	2092	1484	1.78	2.0	2216	1491	1.90		
<b>T4 C</b>	0.2	2797	1137	1.45	<b>T9 H</b>	0.2	2878	1159	1.59
	0.4	2745	1163	1.48		0.4	2819	1189	1.63
	0.6	2680	1194	1.52		0.6	2763	1218	1.67
	0.8	2612	1231	1.57		0.8	2712	1250	1.71
	1.0	2537	1272	1.62		1.0	2640	1288	1.76
	1.2	2463	1316	1.68		1.2	2572	1330	1.82
	1.4	2420	1357	1.73		1.4	2507	1375	1.88
	1.6	2356	1397	1.78		1.6	2440	1426	1.95
	1.8	2292	1444	1.84		1.8	2402	1460	2.00
2.0	2216	1491	1.90	2.0	-	-	-		
<b>T5 C</b>	0.2	2961	1195	1.74	<b>T10 H</b>	0.2	2961	1195	1.74
	0.4	2904	1226	1.78		0.4	2904	1226	1.78
	0.6	2848	1253	1.82		0.6	2848	1253	1.82
	0.8	2794	1276	1.85		0.8	2794	1276	1.85
	1.0	2733	1315	1.91		1.0	2733	1315	1.91
	1.2	2669	1358	1.97		1.2	2669	1358	1.97
	1.4	2608	1394	2.02		1.4	2608	1394	2.02
	1.6	2546	1441	2.09		1.6	2546	1441	2.09
	1.8	2497	1483	2.15		1.8	2497	1483	2.15
2.0	-	-	-	2.0	-	-	-		

Shaded area indicates air flow below 1800 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating



# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

**3 Ton Heat Pump  
Standard Static Drive  
Models: DRH0361D and DRH0363D**

**3 Ton Heat Pump  
Standard Static Drive  
Models: DRH0364D and DRH0367D**

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	876	539	0.04
	0.4	-	-	0.00
	0.6	-	-	0.00
	0.8	-	-	0.00
	1.0	-	-	0.00
T2	0.2	1494	754	0.36
	0.4	1429	801	0.38
	0.6	1347	855	0.41
	0.8	1235	920	0.44
	1.0	1096	988	0.47
T3	0.2	1121	620	0.18
	0.4	1013	690	0.20
	0.6	854	776	0.22
	0.8	727	846	0.24
	1.0	616	910	0.26
T4	0.2	1315	699	0.27
	0.4	1223	755	0.29
	0.6	1106	826	0.31
	0.8	972	898	0.34
	1.0	861	961	0.37
T5	0.2	1599	788	0.42
	0.4	1529	831	0.45
	0.6	1460	878	0.47
	0.8	1357	940	0.50
	1.0	1238	1004	0.54

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	903	556	0.04
	0.4	-	-	0.00
	0.6	-	-	0.00
	0.8	-	-	0.00
	1.0	-	-	0.00
T2	0.2	1540	778	0.37
	0.4	1473	826	0.39
	0.6	1389	882	0.42
	0.8	1274	948	0.45
	1.0	1130	1019	0.48
T3	0.2	1156	639	0.18
	0.4	1044	711	0.20
	0.6	880	800	0.23
	0.8	749	872	0.25
	1.0	635	938	0.27
T4	0.2	1356	721	0.27
	0.4	1261	778	0.30
	0.6	1140	852	0.32
	0.8	1002	926	0.35
	1.0	888	991	0.38
T5	0.2	1649	812	0.44
	0.4	1577	857	0.46
	0.6	1505	905	0.48
	0.8	1399	970	0.52
	1.0	1277	1035	0.55

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	866	507	0.09
	0.4	713	603	0.11
	0.6	569	679	0.12
	0.8	396	743	0.13
	1.0	218	780	0.14
T2	0.2	1379	649	0.23
	0.4	1284	712	0.25
	0.6	1169	783	0.28
	0.8	1055	848	0.30
	1.0	949	901	0.32
T3	0.2	1170	597	0.15
	0.4	1083	662	0.17
	0.6	928	742	0.19
	0.8	808	805	0.20
	1.0	712	865	0.22
T4	0.2	1379	649	0.23
	0.4	1284	712	0.25
	0.6	1169	783	0.28
	0.8	1055	848	0.30
	1.0	949	901	0.32
T5	0.2	1476	675	0.28
	0.4	1388	744	0.31
	0.6	1322	794	0.33
	0.8	1178	869	0.36
	1.0	1076	923	0.38

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	884	539	0.10
	0.4	728	641	0.11
	0.6	581	722	0.13
	0.8	404	790	0.14
	1.0	222	830	0.15
T2	0.2	1407	690	0.25
	0.4	1310	757	0.27
	0.6	1193	832	0.30
	0.8	1077	901	0.32
	1.0	968	957	0.34
T3	0.2	1194	634	0.16
	0.4	1105	703	0.18
	0.6	947	788	0.20
	0.8	824	855	0.21
	1.0	727	920	0.23
T4	0.2	1407	690	0.25
	0.4	1310	757	0.27
	0.6	1193	832	0.30
	0.8	1077	901	0.32
	1.0	968	957	0.34
T5	0.2	-	-	-
	0.4	1416	791	0.33
	0.6	1349	844	0.35
	0.8	1202	923	0.38
	1.0	1098	981	0.41

Shaded area indicates air flow below 900 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

**4 Ton Heat Pump  
Standard Static Drive  
Models: DRH0481D and DRH0483D**

Down Flow					Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1025	559	0.13	T1	0.2	1046	595	0.14
	0.4	893	650	0.15		0.4	911	691	0.16
	0.6	755	735	0.17		0.6	770	782	0.19
	0.8	622	820	0.20		0.8	635	872	0.21
	1.0	-	-	-		1.0	-	-	-
T2	0.2	1699	771	0.46	T2	0.2	1733	819	0.49
	0.4	1625	833	0.50		0.4	1659	885	0.53
	0.6	1536	879	0.53		0.6	1567	934	0.56
	0.8	1437	935	0.56		0.8	1466	993	0.60
	1.0	1293	1007	0.60		1.0	1319	1070	0.64
T3	0.2	1607	746	0.36	T3	0.2	1640	793	0.38
	0.4	1519	787	0.37		0.4	1550	836	0.40
	0.6	1419	859	0.41		0.6	1448	913	0.43
	0.8	1259	932	0.44		0.8	1285	990	0.47
	1.0	1175	992	0.47		1.0	1199	1054	0.50
T4	0.2	1783	815	0.54	T4	0.2	1819	866	0.58
	0.4	1713	870	0.58		0.4	1748	924	0.62
	0.6	1642	889	0.59		0.6	1676	945	0.63
	0.8	1543	963	0.64		0.8	1574	1023	0.68
	1.0	1428	1015	0.68		1.0	1457	1078	0.72
T5	0.2	1846	838	0.64	T5	0.2	1883	890	0.68
	0.4	1775	904	0.69		0.4	1812	960	0.73
	0.6	1701	922	0.70		0.6	1736	980	0.75
	0.8	1630	973	0.74		0.8	1664	1034	0.79
	1.0	1513	1028	0.78		1.0	1544	1092	0.83

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

**4 Ton Heat Pump  
Standard Static Drive  
Models: DRH0484D and DRH0487D**

Down Flow					Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1025	560	0.12	T1	0.2	1046	595	0.13
	0.4	893	650	0.14		0.4	911	691	0.15
	0.6	755	736	0.16		0.6	770	782	0.17
	0.8	622	821	0.18		0.8	635	872	0.19
	1.0	500	874	0.19		1.0	510	929	0.20
T2	0.2	1817	796	0.44	T2	0.2	1854	846	0.46
	0.4	1736	824	0.45		0.4	1771	876	0.48
	0.6	1677	863	0.47		0.6	1711	917	0.50
	0.8	1598	911	0.50		0.8	1631	968	0.53
	1.0	1517	964	0.53		1.0	1548	1024	0.56
T3	0.2	1588	732	0.31	T3	0.2	1620	778	0.33
	0.4	1510	793	0.34		0.4	1541	843	0.36
	0.6	1432	838	0.36		0.6	1462	890	0.38
	0.8	1347	894	0.38		0.8	1375	950	0.41
	1.0	1197	974	0.42		1.0	1221	1035	0.44
T4	0.2	1817	796	0.44	T4	0.2	1854	846	0.46
	0.4	1736	824	0.45		0.4	1771	876	0.48
	0.6	1677	863	0.47		0.6	1711	917	0.50
	0.8	1598	911	0.50		0.8	1631	968	0.53
	1.0	1517	964	0.53		1.0	1548	1024	0.56
T5	0.2	1918	817	0.50	T5	0.2	1957	868	0.53
	0.4	1842	839	0.51		0.4	1880	891	0.54
	0.6	1769	894	0.54		0.6	1805	950	0.58
	0.8	1702	935	0.57		0.8	1737	993	0.60
	1.0	1623	983	0.60		1.0	1657	1044	0.63

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

**5 Ton Heat Pump**  
**Standard Static Drive**  
**Models: DRH0601D and DRH0603D**

**5 Ton Heat Pump**  
**Standard Static Drive**  
**Models: DRH0604D and DRH0607D**

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1299	614	0.16
	0.4	1209	674	0.17
	0.6	1082	755	0.19
	0.8	933	836	0.21
	1.0	835	889	0.23
T2	0.2	1967	862	0.62
	0.4	1896	951	0.69
	0.6	1849	1022	0.74
	0.8	1786	948	0.69
	1.0	1710	996	0.72
T3	0.2	1967	862	0.62
	0.4	1896	951	0.69
	0.6	1849	1022	0.74
	0.8	1786	948	0.69
	1.0	1710	996	0.72
T4	0.2	2189	902	0.81
	0.4	2119	943	0.84
	0.6	2059	979	0.88
	0.8	2012	1009	0.90
	1.0	1969	1048	0.94
T5	0.2	2254	923	0.88
	0.4	2178	964	0.92
	0.6	2127	997	0.95
	0.8	2078	1029	0.98
	1.0	2026	1060	1.01

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1326	653	0.22
	0.4	1234	717	0.24
	0.6	1104	803	0.27
	0.8	952	890	0.30
	1.0	852	946	0.32
T2	0.2	2007	885	0.64
	0.4	1935	931	0.67
	0.6	1887	969	0.70
	0.8	1822	1009	0.73
	1.0	1745	1060	0.77
T3	0.2	2007	885	0.64
	0.4	1935	931	0.67
	0.6	1887	969	0.70
	0.8	1822	1009	0.73
	1.0	1745	1060	0.77
T4	0.2	2234	960	0.86
	0.4	2162	1003	0.90
	0.6	2101	1042	0.93
	0.8	2053	1073	0.96
	1.0	2009	1115	1.00
T5	0.2	2300	982	0.93
	0.4	2222	1025	0.98
	0.6	2170	1061	1.01
	0.8	2120	1095	1.04
	1.0	2067	1128	1.07

Down Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1130	498	0.11
	0.4	1046	551	0.12
	0.6	886	647	0.15
	0.8	737	727	0.16
	1.0	585	803	0.18
T2	0.2	1964	806	0.52
	0.4	1877	857	0.55
	0.6	1786	909	0.58
	0.8	1711	970	0.62
	1.0	1613	1028	0.66
T3	0.2	1964	806	0.52
	0.4	1877	857	0.55
	0.6	1786	909	0.58
	0.8	1711	970	0.62
	1.0	1613	1028	0.66
T4	0.2	2071	842	0.58
	0.4	1987	888	0.61
	0.6	1903	937	0.65
	0.8	1838	995	0.69
	1.0	1762	1041	0.72
T5	0.2	2173	873	0.64
	0.4	2095	921	0.68
	0.6	2009	967	0.71
	0.8	1933	1015	0.75
	1.0	1867	1062	0.78

Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
T1	0.2	1154	529	0.12
	0.4	1068	585	0.13
	0.6	904	687	0.16
	0.8	752	772	0.17
	1.0	597	853	0.19
T2	0.2	2004	856	0.55
	0.4	1916	911	0.59
	0.6	1823	966	0.62
	0.8	1746	1031	0.66
	1.0	1646	1093	0.70
T3	0.2	2004	856	0.55
	0.4	1916	911	0.59
	0.6	1823	966	0.62
	0.8	1746	1031	0.66
	1.0	1646	1093	0.70
T4	0.2	2114	894	0.62
	0.4	2028	944	0.65
	0.6	1941	996	0.69
	0.8	1875	1057	0.73
	1.0	1798	1106	0.76
T5	0.2	2217	928	0.68
	0.4	2138	979	0.72
	0.6	2050	1027	0.76
	0.8	1973	1079	0.80
	1.0	1905	1129	0.83

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

## 6 Ton Heat Pump

### Standard Static Drive

Models: DRH0723D, DRH0724D and DRH0727D

Down Flow					Horizontal Flow				
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN WC	SCFM	RPM	BHP
<b>T1</b>	0.2	1394	635	0.21	<b>T1</b>	0.2	1382	642	0.21
	0.4	1265	711	0.24		0.4	1259	724	0.24
	0.6	1127	805	0.27		0.6	1160	799	0.27
	0.8	983	885	0.29		0.8	1016	879	0.29
	1.0	855	952	0.32		1.0	899	948	0.32
<b>T2</b>	0.2	2301	832	0.77	<b>T2</b>	0.2	2348	926	0.86
	0.4	2229	882	0.82		0.4	2274	973	0.90
	0.6	2156	929	0.86		0.6	2200	1020	0.95
	0.8	2083	979	0.91		0.8	2126	1066	0.99
	1.0	2011	1033	0.96		1.0	2052	1113	1.03
<b>T3</b>	0.2	2226	892	0.69	<b>T3</b>	0.2	2211	885	0.68
	0.4	2143	931	0.72		0.4	2128	938	0.73
	0.6	2052	973	0.75		0.6	2034	988	0.76
	0.8	1950	1027	0.79		0.8	1950	1042	0.81
	1.0	1861	1080	0.84		1.0	1859	1098	0.85
<b>T4</b>	0.2	2301	903	0.84	<b>T4</b>	0.2	2348	926	0.86
	0.4	2229	935	0.87		0.4	2274	973	0.90
	0.6	2156	987	0.92		0.6	2200	1020	0.95
	0.8	2083	1034	0.96		0.8	2126	1066	0.99
	1.0	2011	1080	1.00		1.0	2052	1113	1.03
<b>T5</b>	0.2	2435	972	0.93	<b>T5</b>	0.2	2404	961	0.91
	0.4	2362	1007	0.96		0.4	2347	995	0.95
	0.6	2293	1043	0.99		0.6	2273	1050	1.00
	0.8	2209	1086	1.03		0.8	2193	1100	1.05
	1.0	2124	1134	1.08		1.0	2111	1149	1.09

Shaded area indicates air flow below 1800 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

## 3 Ton Heat Pump High Static Drive

Models: DRH0363W, DRH0364W, DRH0367W

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	713	603	0.12	0.4	-	-	-		
0.6	569	679	0.14	0.6	1489	825	0.43		
0.8	396	743	0.15	0.8	1397	886	0.46		
1.0	218	780	0.16	1.0	1275	956	0.50		
1.2	-	-	-	1.2	1173	1009	0.53		
1.4	-	-	-	1.4	1087	1054	0.55		
1.6	-	-	-	1.6	991	1104	0.58		
1.8	-	-	-	1.8	914	1148	0.60		
2.0	-	-	-	2.0	831	1187	0.62		
T2 C	0.2	1170	597	0.18	T7 H	0.2	-	-	-
	0.4	1083	662	0.20		0.4	-	-	-
	0.6	928	742	0.22		0.6	-	-	-
	0.8	808	805	0.24		0.8	-	-	-
	1.0	712	865	0.26		1.0	1399	969	0.55
	1.2	574	923	0.27		1.2	1287	1023	0.58
	1.4	428	969	0.29		1.4	1191	1072	0.61
	1.6	272	995	0.30		1.6	1111	1117	0.64
	1.8	-	-	-		1.8	1020	1164	0.67
2.0	-	-	-	2.0	948	1207	0.69		
T3 C	0.2	-	-	-	T8 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	1489	825	0.43		0.6	-	-	-
	0.8	1397	886	0.46		0.8	-	-	-
	1.0	1275	956	0.50		1.0	1476	977	0.62
	1.2	1173	1009	0.53		1.2	1365	1039	0.66
	1.4	1087	1054	0.55		1.4	1274	1084	0.68
	1.6	991	1104	0.58		1.6	1186	1129	0.71
	1.8	914	1148	0.60		1.8	1103	1175	0.74
2.0	831	1187	0.62	2.0	1019	1219	0.77		
T4 C	0.2	-	-	-	T9 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	1476	977	0.62		1.0	-	-	-
	1.2	1365	1039	0.66		1.2	1438	1048	0.72
	1.4	1274	1084	0.68		1.4	1348	1099	0.76
	1.6	1186	1129	0.71		1.6	1260	1143	0.79
	1.8	1103	1175	0.74		1.8	1188	1184	0.82
2.0	1019	1219	0.77	2.0	1100	1228	0.85		
T5 C	0.2	-	-	-	T10 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	1439	1112	0.82		1.4	1439	1112	0.82
	1.6	1358	1157	0.85		1.6	1358	1157	0.85
	1.8	1279	1195	0.88		1.8	1279	1195	0.88
2.0	1174	1233	0.91	2.0	1174	1233	0.91		

Shaded area indicates air flow below 900 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

## 3 Ton Heat Pump High Static Drive

Models: DRH0363W, DRH0364W, DRH0367W

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	728	641	0.13	0.4	-	-	-		
0.6	581	722	0.15	0.6	-	-	-		
0.8	404	790	0.16	0.8	1426	941	0.49		
1.0	222	830	0.17	1.0	1301	1016	0.53		
1.2	-	-	-	1.2	1197	1072	0.56		
1.4	-	-	-	1.4	1109	1120	0.59		
1.6	-	-	-	1.6	1011	1173	0.61		
1.8	-	-	-	1.8	933	1220	0.64		
2.0	-	-	-	2.0	848	1261	0.66		
T2 C	0.2	1194	634	0.19	T7 H	0.2	-	-	-
	0.4	1105	703	0.21		0.4	-	-	-
	0.6	947	788	0.23		0.6	-	-	-
	0.8	824	855	0.25		0.8	-	-	-
	1.0	727	920	0.27		1.0	1428	1030	0.59
	1.2	586	982	0.29		1.2	1313	1087	0.62
	1.4	437	1031	0.31		1.4	1215	1139	0.65
	1.6	278	1059	0.32		1.6	1134	1187	0.68
	1.8	-	-	-		1.8	1041	1237	0.71
2.0	-	-	-	2.0	967	1282	0.73		
T3 C	0.2	-	-	-	T8 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	1426	941	0.49		0.8	-	-	-
	1.0	1301	1016	0.53		1.0	-	-	-
	1.2	1197	1072	0.56		1.2	1393	1104	0.70
	1.4	1109	1120	0.59		1.4	1300	1152	0.73
	1.6	1011	1173	0.61		1.6	1210	1200	0.76
	1.8	933	1220	0.64		1.8	1126	1248	0.79
2.0	848	1261	0.66	2.0	1040	1295	0.82		
T4 C	0.2	-	-	-	T9 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	1393	1104	0.70		1.2	1467	1114	0.77
	1.4	1300	1152	0.73		1.4	1375	1168	0.81
	1.6	1210	1200	0.76		1.6	1286	1214	0.84
	1.8	1126	1248	0.79		1.8	1212	1258	0.87
2.0	1040	1295	0.82	2.0	1122	1305	0.90		
T5 C	0.2	-	-	-	T10 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	-	-	-		1.2	-	-	-
	1.4	1468	1181	0.87		1.4	1468	1181	0.87
	1.6	1386	1229	0.91		1.6	1386	1229	0.91
	1.8	1305	1270	0.94		1.8	1305	1270	0.94
2.0	1198	1310	0.97	2.0	1198	1310	0.97		

Shaded area indicates air flow below 900 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

4 Ton Heat Pump  
High Static Drive

Models: DRH0483W, DRH0484W, DRH0487W

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	887	617	0.13	0.4	1860	842	0.57		
0.6	732	700	0.15	0.6	1798	885	0.60		
0.8	602	773	0.17	0.8	1730	929	0.63		
1.0	456	837	0.18	1.0	1653	976	0.66		
1.2	350	885	0.19	1.2	1575	1028	0.70		
1.4	-	-	-	1.4	1445	1095	0.74		
1.6	-	-	-	1.6	1343	1148	0.78		
1.8	-	-	-	1.8	1255	1191	0.81		
2.0	-	-	-	2.0	1181	1233	0.84		
T2 C	0.2	1587	685	0.29	T7 H	0.2	2012	850	0.64
	0.4	1507	739	0.32		0.4	1944	886	0.66
	0.6	1425	795	0.34		0.6	1880	918	0.69
	0.8	1337	851	0.36		0.8	1819	951	0.71
	1.0	1189	932	0.40		1.0	1743	993	0.74
	1.2	1069	991	0.42		1.2	1670	1038	0.78
	1.4	989	1042	0.45		1.4	1568	1092	0.82
	1.6	1056	827	0.35		1.6	1448	1154	0.87
	1.8	-	-	-		1.8	1354	1201	0.90
2.0	-	-	-	2.0	1293	1228	0.92		
T3 C	0.2	1930	814	0.55	T8 H	0.2	-	-	-
	0.4	1860	842	0.57		0.4	2016	894	0.73
	0.6	1798	885	0.60		0.6	1948	936	0.77
	0.8	1730	929	0.63		0.8	1894	968	0.79
	1.0	1653	976	0.66		1.0	1823	1009	0.83
	1.2	1575	1028	0.70		1.2	1749	1056	0.87
	1.4	1445	1095	0.74		1.4	1661	1102	0.90
	1.6	1343	1148	0.78		1.6	1537	1167	0.96
	1.8	1255	1191	0.81		1.8	1435	1218	1.00
2.0	1181	1233	0.84	2.0	1348	1261	1.04		
T4 C	0.2	-	-	-	T9 H	0.2	-	-	-
	0.4	2016	894	0.73		0.4	-	-	-
	0.6	1948	936	0.77		0.6	-	-	-
	0.8	1894	968	0.79		0.8	1964	988	0.87
	1.0	1823	1009	0.83		1.0	1896	1024	0.90
	1.2	1749	1056	0.87		1.2	1823	1068	0.94
	1.4	1661	1102	0.90		1.4	1744	1115	0.98
	1.6	1537	1167	0.96		1.6	1645	1172	1.03
	1.8	1435	1218	1.00		1.8	1523	1233	1.09
2.0	1348	1261	1.04	2.0	1434	1274	1.12		
T5 C	0.2	-	-	-	T10 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	1988	1052	1.00		1.0	1988	1052	1.00
	1.2	1916	1092	1.04		1.2	1916	1092	1.04
	1.4	1846	1137	1.08		1.4	1846	1137	1.08
	1.6	1766	1180	1.12		1.6	1766	1180	1.12
	1.8	1651	1243	1.18		1.8	1651	1243	1.18
2.0	1547	1289	1.23	2.0	1547	1289	1.23		

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

4 Ton Heat Pump  
High Static Drive

Models: DRH0483W, DRH0484W, DRH0487W

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N W.C.	SCFM	RPM	BHP
0.4	905	656	0.14	0.4	1898	895	0.61		
0.6	747	745	0.16	0.6	1835	940	0.64		
0.8	614	822	0.18	0.8	1765	987	0.67		
1.0	465	890	0.19	1.0	1687	1037	0.70		
1.2	357	941	0.20	1.2	1607	1092	0.74		
1.4	-	-	-	1.4	1475	1163	0.79		
1.6	-	-	-	1.6	1371	1220	0.83		
1.8	-	-	-	1.8	1281	1265	0.86		
2.0	-	-	-	2.0	1206	1310	0.89		
T2 C	0.2	1619	728	0.31	T7 H	0.2	-	-	-
	0.4	1538	785	0.34		0.4	1983	941	0.71
	0.6	1455	845	0.36		0.6	1918	975	0.73
	0.8	1364	904	0.39		0.8	1856	1010	0.76
	1.0	1213	990	0.42		1.0	1779	1055	0.79
	1.2	1091	1053	0.45		1.2	1704	1103	0.83
	1.4	1010	1107	0.47		1.4	1600	1160	0.87
	1.6	1161	880	0.38		1.6	1477	1226	0.92
	1.8	-	-	-		1.8	1382	1276	0.96
2.0	-	-	-	2.0	1320	1305	0.98		
T3 C	0.2	1969	865	0.59	T8 H	0.2	-	-	-
	0.4	1898	895	0.61		0.4	-	-	-
	0.6	1835	940	0.64		0.6	1988	995	0.82
	0.8	1765	987	0.67		0.8	1933	1028	0.84
	1.0	1687	1037	0.70		1.0	1860	1072	0.88
	1.2	1607	1092	0.74		1.2	1785	1122	0.92
	1.4	1475	1163	0.79		1.4	1695	1171	0.96
	1.6	1371	1220	0.83		1.6	1569	1240	1.02
	1.8	1281	1265	0.86		1.8	1464	1294	1.06
2.0	1206	1310	0.89	2.0	1376	1340	1.10		
T4 C	0.2	-	-	-	T9 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	1988	995	0.82		0.6	-	-	-
	0.8	1933	1028	0.84		0.8	-	-	-
	1.0	1860	1072	0.88		1.0	1935	1088	0.96
	1.2	1785	1122	0.92		1.2	1860	1135	1.00
	1.4	1695	1171	0.96		1.4	1780	1185	1.04
	1.6	1569	1240	1.02		1.6	1679	1245	1.10
	1.8	1464	1294	1.06		1.8	1554	1310	1.15
2.0	1376	1340	1.10	2.0	1463	1354	1.19		
T5 C	0.2	-	-	-	T10 H	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	-	-	-		0.8	-	-	-
	1.0	-	-	-		1.0	-	-	-
	1.2	1955	1160	1.10		1.2	1955	1160	1.10
	1.4	1884	1208	1.15		1.4	1884	1208	1.15
	1.6	1802	1254	1.19		1.6	1802	1254	1.19
	1.8	1684	1321	1.26		1.8	1684	1321	1.26
2.0	1579	1370	1.30	2.0	1579	1370	1.30		

Shaded area indicates air flow below 1200 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

## 5 Ton Heat Pump High Static Drive

Models: DRH0603W, DRH0604W, DRH0607W

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N.W.C.	SCFM	RPM	BHP
0.4	1046	550	0.13	0.4	2194	945	0.81		
0.6	886	646	0.15	0.6	2117	991	0.85		
0.8	737	726	0.17	0.8	2034	1035	0.89		
1.0	585	802	0.19	1.0	1961	1087	0.93		
1.2	393	834	0.20	1.2	1900	1134	0.97		
1.4	-	-	-	1.4	1797	1193	1.02		
1.6	-	-	-	1.6	1715	1240	1.06		
1.8	-	-	-	1.8	1627	1285	1.10		
2.0	-	-	-	2.0	1544	1327	1.14		
<b>T2 C</b>	0.2	1805	758	0.45	<b>T7 H</b>	0.2	2348	933	0.86
	0.4	1707	815	0.48		0.4	2277	970	0.89
	0.6	1625	872	0.52		0.6	2215	1015	0.93
	0.8	1538	935	0.56		0.8	2135	1058	0.97
	1.0	1429	996	0.59		1.0	2067	1110	1.02
	1.2	1328	1052	0.63		1.2	2010	1148	1.05
	1.4	1235	1105	0.66		1.4	1906	1209	1.11
	1.6	1135	1154	0.69		1.6	1829	1257	1.15
	1.8	1048	1202	0.72		1.8	1747	1299	1.19
2.0	965	1245	0.74	2.0	1664	1343	1.23		
<b>T3 C</b>	0.2	2348	933	0.86	<b>T8 H</b>	0.2	2427	963	0.95
	0.4	2277	970	0.89		0.4	2359	996	0.98
	0.6	2215	1015	0.93		0.6	2288	1038	1.03
	0.8	2135	1058	0.97		0.8	2232	1083	1.07
	1.0	2067	1110	1.02		1.0	2158	1127	1.11
	1.2	2010	1148	1.05		1.2	2108	1171	1.16
	1.4	1906	1209	1.11		1.4	2015	1227	1.21
	1.6	1829	1257	1.15		1.6	1931	1278	1.26
	1.8	1747	1299	1.19		1.8	1853	1320	1.30
2.0	1664	1343	1.23	2.0	1767	1358	1.34		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	2442	1021	1.08		0.4	2442	1021	1.08
	0.6	2374	1059	1.12		0.6	2374	1059	1.12
	0.8	2302	1099	1.16		0.8	2302	1099	1.16
	1.0	2243	1141	1.21		1.0	2243	1141	1.21
	1.2	2164	1194	1.26		1.2	2164	1194	1.26
	1.4	2123	1232	1.30		1.4	2123	1232	1.30
	1.6	2028	1286	1.36		1.6	2028	1286	1.36
	1.8	1922	1328	1.41		1.8	1922	1328	1.41
2.0	1877	1370	1.45	2.0	1877	1370	1.45		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	2454	1085	1.23		0.6	2454	1085	1.23
	0.8	2385	1124	1.27		0.8	2385	1124	1.27
	1.0	2324	1165	1.32		1.0	2324	1165	1.32
	1.2	2258	1222	1.38		1.2	2258	1222	1.38
	1.4	2199	1256	1.42		1.4	2199	1256	1.42
	1.6	2126	1300	1.47		1.6	2126	1300	1.47
	1.8	2043	1350	1.53		1.8	2043	1350	1.53
2.0	1901	1390	1.57	2.0	1901	1390	1.57		

Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

## 5 Ton Heat Pump High Static Drive

Models: DRH0603W, DRH0604W, DRH0607W

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N.W.C.	SCFM	RPM	BHP
0.4	1068	585	0.14	0.4	2239	1004	0.86		
0.6	904	687	0.16	0.6	2160	1053	0.90		
0.8	752	772	0.18	0.8	2075	1100	0.94		
1.0	597	853	0.20	1.0	2001	1155	0.99		
1.2	401	888	0.21	1.2	1939	1205	1.03		
1.4	-	-	-	1.4	1833	1268	1.09		
1.6	-	-	-	1.6	1750	1318	1.13		
1.8	-	-	-	1.8	1660	1365	1.17		
2.0	-	-	-	2.0	1575	1410	1.21		
<b>T2 C</b>	0.2	1842	806	0.48	<b>T7 H</b>	0.2	2396	992	0.91
	0.4	1742	866	0.51		0.4	2324	1031	0.94
	0.6	1658	927	0.55		0.6	2260	1079	0.99
	0.8	1569	993	0.59		0.8	2179	1124	1.03
	1.0	1458	1058	0.63		1.0	2110	1179	1.08
	1.2	1355	1118	0.66		1.2	2051	1220	1.12
	1.4	1260	1174	0.70		1.4	1945	1285	1.18
	1.6	1158	1228	0.73		1.6	1867	1336	1.22
	1.8	1069	1279	0.76		1.8	1783	1380	1.26
2.0	985	1324	0.79	2.0	1698	1427	1.31		
<b>T3 C</b>	0.2	2396	992	0.91	<b>T8 H</b>	0.2	2477	1024	1.01
	0.4	2324	1031	0.94		0.4	2407	1058	1.05
	0.6	2260	1079	0.99		0.6	2335	1103	1.09
	0.8	2179	1124	1.03		0.8	2277	1151	1.14
	1.0	2110	1179	1.08		1.0	2202	1197	1.18
	1.2	2051	1220	1.12		1.2	2151	1245	1.23
	1.4	1945	1285	1.18		1.4	2056	1304	1.29
	1.6	1867	1336	1.22		1.6	1970	1358	1.34
	1.8	1783	1380	1.26		1.8	1891	1403	1.39
2.0	1698	1427	1.31	2.0	1803	1443	1.43		
<b>T4 C</b>	0.2	-	-	-	<b>T9 H</b>	0.2	-	-	-
	0.4	2491	1085	1.15		0.4	2491	1085	1.15
	0.6	2422	1125	1.19		0.6	2422	1125	1.19
	0.8	2349	1168	1.24		0.8	2349	1168	1.24
	1.0	2289	1212	1.28		1.0	2289	1212	1.28
	1.2	2209	1268	1.34		1.2	2209	1268	1.34
	1.4	2166	1309	1.39		1.4	2166	1309	1.39
	1.6	2069	1366	1.45		1.6	2069	1366	1.45
	1.8	1961	1411	1.49		1.8	1961	1411	1.49
2.0	1915	1456	1.54	2.0	1915	1456	1.54		
<b>T5 C</b>	0.2	-	-	-	<b>T10 H</b>	0.2	-	-	-
	0.4	-	-	-		0.4	-	-	-
	0.6	-	-	-		0.6	-	-	-
	0.8	2434	1194	1.35		0.8	2434	1194	1.35
	1.0	2372	1238	1.40		1.0	2372	1238	1.40
	1.2	2304	1298	1.47		1.2	2304	1298	1.47
	1.4	2244	1334	1.51		1.4	2244	1334	1.51
	1.6	2169	1381	1.56		1.6	2169	1381	1.56
	1.8	2085	1434	1.62		1.8	2085	1434	1.62
2.0	1940	1477	1.67	2.0	1940	1477	1.67		

Shaded area indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating

# APPENDIX A BLOWER PERFORMANCE TABLES - HEAT PUMP

## 6 Ton Cooler and Heat Pump

### High Static Drive

Models: DRH0723W, DRH0724W, DRH0727W

Down Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N.W.C.	SCFM	RPM	BHP
0.4	1262	751	0.25	0.4	2538	1108	1.23		
0.6	1145	821	0.27	0.6	2448	1148	1.27		
0.8	1017	899	0.30	0.8	2372	1195	1.32		
1.0	884	968	0.32	1.0	2299	1246	1.38		
1.2	756	1030	0.34	1.2	2224	1282	1.42		
1.4	564	1069	0.36	1.4	2160	1326	1.47		
1.6	442	1118	0.37	1.6	2092	1364	1.51		
1.8	-	-	-	1.8	2021	1405	1.55		
2.0	-	-	-	2.0	1946	1448	1.60		
T2 C	0.2	2209	928	0.72	T7 H	0.2	2731	1111	1.34
	0.4	2122	975	0.75		0.4	2655	1146	1.38
	0.6	2013	1037	0.80		0.6	2570	1188	1.43
	0.8	1925	1088	0.84		0.8	2483	1234	1.48
	1.0	1848	1131	0.88		1.0	2410	1280	1.54
	1.2	1762	1182	0.91		1.2	2337	1322	1.59
	1.4	1675	1230	0.95		1.4	2290	1356	1.63
	1.6	1584	1282	0.99		1.6	2219	1392	1.67
	1.8	1486	1332	1.03		1.8	2156	1435	1.72
2.0	1399	1379	1.07	2.0	2085	1473	1.77		
T3 C	0.2	2731	1111	1.34	T8 H	0.2	2815	1142	1.45
	0.4	2655	1146	1.38		0.4	2741	1177	1.50
	0.6	2570	1188	1.43		0.6	2668	1211	1.54
	0.8	2483	1234	1.48		0.8	2585	1255	1.60
	1.0	2410	1280	1.54		1.0	2507	1302	1.66
	1.2	2337	1322	1.59		1.2	2436	1350	1.72
	1.4	2290	1356	1.63		1.4	2369	1383	1.76
	1.6	2219	1392	1.67		1.6	2320	1416	1.80
	1.8	2156	1435	1.72		1.8	2255	1454	1.85
2.0	2085	1473	1.77	2.0	2188	1492	1.90		
T4 C	0.2	2815	1142	1.45	T9 H	0.2	2903	1176	1.61
	0.4	2741	1177	1.50		0.4	2829	1204	1.65
	0.6	2668	1211	1.54		0.6	2769	1242	1.70
	0.8	2585	1255	1.60		0.8	2681	1284	1.76
	1.0	2507	1302	1.66		1.0	2601	1323	1.81
	1.2	2436	1350	1.72		1.2	2530	1372	1.88
	1.4	2369	1383	1.76		1.4	2466	1406	1.92
	1.6	2320	1416	1.80		1.6	2424	1440	1.97
	1.8	2255	1454	1.85		1.8	2356	1476	2.02
2.0	2188	1492	1.90	2.0	-	-	-		
T5 C	0.2	2970	1200	1.74	T10 H	0.2	2970	1200	1.74
	0.4	2905	1236	1.79		0.4	2905	1236	1.79
	0.6	2841	1268	1.84		0.6	2841	1268	1.84
	0.8	2759	1308	1.90		0.8	2759	1308	1.90
	1.0	2681	1348	1.96		1.0	2681	1348	1.96
	1.2	2606	1398	2.03		1.2	2606	1398	2.03
	1.4	2550	1436	2.09		1.4	2550	1436	2.09
	1.6	2485	1470	2.13		1.6	2485	1470	2.13
	1.8	-	-	-		1.8	-	-	-
2.0	-	-	-	2.0	-	-	-		

Shaded area indicates air flow below 1800 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating  
Max BPH 2.3

## 6 Ton Heat Pump

### High Static Drive

Models: DRH0723W, DRH0724W, DRH0727W

Horizontal Flow									
SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), IN W.C.	SCFM	RPM	BHP	SPEED TAP	EXTERNAL STATIC PRESSURE (ESP), N.W.C.	SCFM	RPM	BHP
0.4	1261	737	0.25	0.4	2545	1095	1.21		
0.6	1130	818	0.27	0.6	2475	1130	1.25		
0.8	1012	894	0.30	0.8	2400	1171	1.30		
1.0	884	966	0.32	1.0	2333	1220	1.35		
1.2	765	1026	0.34	1.2	2261	1271	1.41		
1.4	638	1092	0.36	1.4	2216	1317	1.46		
1.6	487	1113	0.37	1.6	2137	1372	1.52		
1.8	-	-	-	1.8	2053	1421	1.57		
2.0	-	-	-	2.0	1976	1461	1.62		
T2 C	0.2	2205	917	0.71	T7 H	0.2	2690	1108	1.33
	0.4	2137	957	0.74		0.4	2634	1140	1.37
	0.6	2060	1007	0.78		0.6	2576	1165	1.40
	0.8	1966	1062	0.82		0.8	2509	1206	1.45
	1.0	1891	1128	0.87		1.0	2440	1251	1.50
	1.2	1803	1184	0.92		1.2	2370	1297	1.56
	1.4	1716	1234	0.95		1.4	2307	1348	1.62
	1.6	1627	1283	0.99		1.6	2244	1390	1.67
	1.8	1532	1336	1.03		1.8	2177	1441	1.73
2.0	1442	1386	1.07	2.0	2092	1484	1.78		
T3 C	0.2	2690	1108	1.33	T8 H	0.2	2797	1137	1.45
	0.4	2634	1140	1.37		0.4	2745	1163	1.48
	0.6	2576	1165	1.40		0.6	2680	1194	1.52
	0.8	2509	1206	1.45		0.8	2612	1231	1.57
	1.0	2440	1251	1.50		1.0	2537	1272	1.62
	1.2	2370	1297	1.56		1.2	2463	1316	1.68
	1.4	2307	1348	1.62		1.4	2420	1357	1.73
	1.6	2244	1390	1.67		1.6	2356	1397	1.78
	1.8	2177	1441	1.73		1.8	2292	1444	1.84
2.0	2092	1484	1.78	2.0	2216	1491	1.90		
T4 C	0.2	2797	1137	1.45	T9 H	0.2	2878	1159	1.59
	0.4	2745	1163	1.48		0.4	2819	1189	1.63
	0.6	2680	1194	1.52		0.6	2763	1218	1.67
	0.8	2612	1231	1.57		0.8	2712	1250	1.71
	1.0	2537	1272	1.62		1.0	2640	1288	1.76
	1.2	2463	1316	1.68		1.2	2572	1330	1.82
	1.4	2420	1357	1.73		1.4	2507	1375	1.88
	1.6	2356	1397	1.78		1.6	2440	1426	1.95
	1.8	2292	1444	1.84		1.8	2402	1460	2.00
2.0	2216	1491	1.90	2.0	-	-	-		
T5 C	0.2	2961	1195	1.74	T10 H	0.2	2961	1195	1.74
	0.4	2904	1226	1.78		0.4	2904	1226	1.78
	0.6	2848	1253	1.82		0.6	2848	1253	1.82
	0.8	2794	1276	1.85		0.8	2794	1276	1.85
	1.0	2733	1315	1.91		1.0	2733	1315	1.91
	1.2	2669	1358	1.97		1.2	2669	1358	1.97
	1.4	2608	1394	2.02		1.4	2608	1394	2.02
	1.6	2546	1441	2.09		1.6	2546	1441	2.09
	1.8	2497	1483	2.15		1.8	2497	1483	2.15
2.0	-	-	-	2.0	-	-	-		

Shaded area indicates air flow below 1800 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating  
Max BPH 2.3



## APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience	Optional Power	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRC0361D	208/230/1/60	1	15.3	83	1	0.17	0.95	Direct Drive Standard Static	0.75	5.7	-	-	-	-	-	25.7/25.7	40/40
											-	-	-	9.6/8.7	-	35.3/34.4	50/45
											-	-	-	-	1.7/1.5	27.4/27.2	40/40
											-	-	-	9.6/8.7	1.7/1.5	37.0/35.9	50/45
											EH*D-1S05	3.76/5.00	18.1/20.8	-	-	29.7/33.2	40/40
														9.6/8.7	-	41.7/44.0	50/45
														-	1.7/1.5	31.8/35.0	40/40
											EH*D-1S10	7.51/10.0	36.1/41.7	9.6/8.7	1.7/1.5	43.8/45.9	50/50
														-	-	52.3/59.2	60/60
														9.6/8.7	-	64.3/70.1	70/80
											EH*D-1S16	11.3/15.0	54.2/62.5	-	-	74.8/85.3	80/90
														9.6/8.7	-	86.8/96.1	90/100
														-	1.7/1.5	77.0/87.1	80/90
											-	-	-	9.6/8.7	1.7/1.5	89.0/98.0	90/100
											DRC0363D	208/230/3/60	1	11.6	73	1	0.17
-	-	-	9.6/8.7	-	30.8/29.9	40/40											
-	-	-	-	1.7/1.5	22.9/22.7	30/30											
-	-	-	9.6/8.7	1.7/1.5	32.5/31.4	40/40											
EH*D-3S05	3.76/5.00	10.4/12.0	-	-	21.2/22.2	30/30											
			9.6/8.7	-	32.2/33.0	40/40											
			-	1.7/1.5	22.9/24.0	30/30											
EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	1.7/1.5	34.3/34.9	40/40											
			-	-	33.2/37.2	35/40											
			-	-	45.2/48.1	50/50											
EH*D-3S16	11.3/15.0	31.3/36.1	-	-	47.3/49.9	50/50											
			9.6/8.7	1.7/1.5	46.2/52.2	50/60											
			-	-	58.2/63.1	60/70											
-	-	-	9.6/8.7	1.7/1.5	48.3/54.1	50/60											
-	-	-	9.6/8.7	1.7/1.5	60.3/65.0	70/70											
DRC0363W	208/230/3/60	1	11.6	73	1	0.17	0.95	Direct Drive High Static	1.2	5	-	-	-	-	-	20.5/20.5	30/30
											-	-	-	9.6/8.7	-	30.1/29.2	40/40
											-	-	-	-	1.7/1.5	22.2/22.0	30/30
											-	-	-	9.6/8.7	1.7/1.5	31.8/30.7	40/40
											EH*D-3S05	3.76/5.00	10.4/12.0	-	-	20.5/21.3	30/30
														9.6/8.7	-	31.3/32.2	40/40
														-	1.7/1.5	22.2/23.2	30/30
											EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	1.7/1.5	33.4/34.0	40/40
														-	-	32.3/36.3	35/40
														-	-	44.3/47.2	45/50
											EH*D-3S15	11.3/15.0	31.3/36.1	-	-	34.4/38.2	35/40
														9.6/8.7	1.7/1.5	46.4/49.1	50/50
														-	-	45.3/51.4	50/60
											-	-	-	9.6/8.7	-	57.3/62.2	60/70
											-	-	-	9.6/8.7	1.7/1.5	47.5/53.2	50/60
-	-	-	9.6/8.7	1.7/1.5	59.5/64.1	60/70											
DRC0364D	460/3/60	1	5.7	38	1	0.17	0.48	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	10.1	15
											-	-	-	4.3	-	14.4	20
											-	-	-	-	0.5	10.6	15
											-	-	-	4.3	0.5	14.9	20
											EH*D-4S05	5	6.01	-	-	10.6	15
														4.3	-	16	20
														-	0.5	11.3	15
											EH*D-4S10	10	12	4.3	0.5	16.6	20
														-	-	18.2	20
														-	-	23.5	25
											EH*D-4S16	15	18	4.3	0.5	18.8	20
														-	-	24.2	25
														-	-	25.7	30
											-	-	-	4.3	-	31.1	35
											-	-	-	4.3	0.5	26.3	30
-	-	-	4.3	0.5	31.7	35											
DRC0364W	460/3/60	1	5.7	38	1	0.17	0.48	Direct Drive High Static	1.2	2.5	-	-	-	-	-	10.1	15
											-	-	-	4.3	-	14.4	20
											-	-	-	-	0.5	10.6	15
											-	-	-	4.3	0.5	14.9	20
											EH*D-4S05	5	6.01	-	-	10.6	15
														4.3	-	16	20
														-	0.5	11.3	15
											EH*D-4S10	10	12	4.3	0.5	16.6	20
														-	-	18.2	20
														-	-	23.5	25
											EH*D-4S15	15	18	4.3	0.5	18.8	20
														-	-	24.2	25
														-	-	25.7	30
											-	-	-	4.3	-	31.1	35
											-	-	-	4.3	0.5	26.3	30
-	-	-	4.3	0.5	31.7	35											

# APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience	Optional Power	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRC0367D	575/3/60	1	4	25.6	1	0.17	0.39	Direct Drive Standard Static	1.2	2	-	-	-	-	-	7.36	15
											-	-	-	3.5	-	10.9	15
											-	-	-	-	0.6	7.96	15
											-	-	-	3.5	0.6	11.5	15
											-	-	-	-	-	8.51	15
											EH*D-7S05	5	4.81	3.5	-	12.9	15
														-	0.6	9.26	15
														3.5	0.6	13.6	15
											EH*D-7S10	10	9.62	-	-	14.5	15
														3.5	-	18.9	20
														3.5	0.6	15.3	20
											EH*D-7S16	15	14.4	-	-	20.5	25
3.5	-	24.9	25														
-	0.6	21.3	25														
-	-	-	3.5	0.6	25.7	30											
DRC0367W	575/3/60	1	4	25.6	1	0.17	0.39	Direct Drive High Static	1.2	2	-	-	-	-	-	7.36	15
											-	-	-	3.5	-	10.9	15
											-	-	-	-	0.6	7.96	15
											-	-	-	3.5	0.6	11.5	15
											-	-	-	-	-	8.51	15
											EH*D-7S05	5	4.81	3.5	-	12.9	15
														-	0.6	9.26	15
														3.5	0.6	13.6	15
											EH*D-7S10	10	9.62	-	-	14.5	15
														3.5	-	18.9	20
														3.5	0.6	15.3	20
											EH*D-7S15	15	14.4	-	-	20.5	25
3.5	-	24.9	25														
-	0.6	21.3	25														
-	-	-	3.5	0.6	25.7	30											
DRC0481D	208/230/1/60	1	21.2	104	1	0.17	0.95	Direct Drive Standard Static	1	6.9	-	-	-	-	-	34.3/34.3	50/50
											-	-	-	9.6/8.7	-	43.9/43.0	60/60
											-	-	-	-	1.7/1.5	36.0/35.8	50/50
											-	-	-	9.6/8.7	1.7/1.5	45.6/44.5	60/60
											-	-	-	-	-	34.3/34.7	50/50
											EH*D-1S05	3.76/5.00	18.1/20.8	9.6/8.7	-	43.9/45.5	60/60
														-	1.7/1.5	36.0/36.5	50/50
														9.6/8.7	1.7/1.5	45.6/47.4	60/60
											EH*D-1S10	7.51/10.0	36.1/41.7	9.6/8.7	-	53.8/60.7	60/70
														-	1.7/1.5	65.8/71.6	70/80
														-	1.7/1.5	55.9/62.6	60/70
											EH*D-1S15	11.3/15.0	54.2/62.5	9.6/8.7	-	67.9/73.5	70/80
-	1.7/1.5	76.3/86.8	80/90														
-	1.7/1.5	88.3/97.6	90/100														
EH*D-1S22	15.0/20.0	72.2/83.3	9.6/8.7	-	90.5/99.5	100/100											
			-	1.7/1.5	98.9/113	100/125											
			-	1.7/1.5	111/124	125/125											
-	-	-	9.6/8.7	1.7/1.5	101/115	110/125											
-	-	-	9.6/8.7	1.7/1.5	113/126	125/150											
DRC0483D	208/230/3/60	1	14	83.1	1	0.17	0.95	Direct Drive Standard Static	1	6.9	-	-	-	-	-	25.4/25.4	35/35
											-	-	-	9.6/8.7	-	35.0/34.1	45/45
											-	-	-	-	1.7/1.5	27.1/26.9	35/35
											-	-	-	9.6/8.7	1.7/1.5	36.7/35.6	45/45
											-	-	-	-	-	25.4/25.4	35/35
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	35.0/34.5	45/45
														-	1.7/1.5	27.1/26.9	35/35
														9.6/8.7	1.7/1.5	36.7/36.4	45/45
											EH*D-3S10	7.51/10.0	20.8/24.1	-	-	34.7/38.7	35/40
														9.6/8.7	-	46.7/49.6	50/50
														9.6/8.7	1.7/1.5	36.8/40.6	40/45
											EH*D-3S15	11.3/15.0	31.3/36.1	-	-	47.7/53.7	50/60
9.6/8.7	-	59.7/64.6	60/70														
9.6/8.7	1.7/1.5	49.8/55.6	50/60														
EH*D-3S22	15.0/19.9	41.5/47.9	-	-	61.8/66.5	70/70											
			9.6/8.7	-	60.5/68.5	70/70											
			9.6/8.7	1.7/1.5	72.5/79.3	80/80											
-	-	-	9.6/8.7	1.7/1.5	62.6/70.3	70/80											
-	-	-	9.6/8.7	1.7/1.5	74.6/81.2	80/90											
DRC0483W	208/230/3/60	1	14	83.1	1	0.17	0.95	Direct Drive High Static	1.2	5	-	-	-	-	-	23.5/23.5	35/35
											-	-	-	9.6/8.7	-	33.1/32.2	45/45
											-	-	-	-	1.7/1.5	25.2/25.0	35/35
											-	-	-	9.6/8.7	1.7/1.5	34.8/33.7	45/45
											-	-	-	-	-	23.5/23.5	35/35
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	33.1/32.2	45/45
														-	1.7/1.5	25.2/25.0	35/35
														9.6/8.7	1.7/1.5	34.8/34.0	45/45
											EH*D-3S10	7.51/10.0	20.8/24.1	-	-	32.3/36.3	35/40
														9.6/8.7	-	44.3/47.2	45/50
														9.6/8.7	1.7/1.5	34.4/38.2	35/40
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	-	46.4/49.1	50/50
-	1.7/1.5	45.3/51.4	50/60														
9.6/8.7	1.7/1.5	57.3/62.2	60/70														
EH*D-3S21	15.0/19.9	41.5/47.9	-	-	47.5/53.2	50/60											
			9.6/8.7	1.7/1.5	59.5/64.1	60/70											
			9.6/8.7	1.7/1.5	58.1/66.1	60/70											
-	-	-	9.6/8.7	-	70.1/77.0	80/80											
-	-	-	9.6/8.7	1.7/1.5	60.2/68.0	70/70											
-	-	-	9.6/8.7	1.7/1.5	72.2/78.8	80/80											

## APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience	Optional Power	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRC0484D	460/3/60	1	6.4	41	1	0.17	0.48	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	11	15
											-	-	-	4.3	-	15.3	20
											-	-	-	-	0.5	11.5	15
											-	-	-	4.3	0.5	15.8	20
											-	-	-	-	-	11	15
											-	-	-	4.3	-	16	20
											-	-	-	-	0.5	11.5	15
											-	-	-	4.3	0.5	16.6	20
											-	-	-	-	-	18.2	20
											-	-	-	4.3	-	23.5	25
											-	-	-	-	0.5	18.8	20
											-	-	-	4.3	0.5	24.2	25
											-	-	-	-	-	25.7	30
											-	-	-	4.3	-	31.1	35
											-	-	-	-	0.5	26.3	30
											-	-	-	4.3	0.5	31.7	35
-	-	-	-	-	33.2	35											
-	-	-	4.3	-	38.6	40											
-	-	-	-	0.5	33.8	35											
-	-	-	4.3	0.5	39.2	40											
DRC0484W	460/3/60	1	6.4	41	1	0.17	0.48	Direct Drive High Static	1.2	2.5	-	-	-	-	-	11	15
											-	-	-	4.3	-	15.3	20
											-	-	-	-	0.5	11.5	15
											-	-	-	4.3	0.5	15.8	20
											-	-	-	-	-	11	15
											-	-	-	4.3	-	16	20
											-	-	-	-	0.5	11.5	15
											-	-	-	4.3	0.5	16.6	20
											-	-	-	-	-	18.2	20
											-	-	-	4.3	-	23.5	25
											-	-	-	-	0.5	18.8	20
											-	-	-	4.3	0.5	24.2	25
											-	-	-	-	-	25.7	30
											-	-	-	4.3	-	31.1	35
											-	-	-	-	0.5	26.3	30
											-	-	-	4.3	0.5	31.7	35
-	-	-	-	-	33.2	35											
-	-	-	4.3	-	38.6	40											
-	-	-	-	0.5	33.8	35											
-	-	-	4.3	0.5	39.2	40											
DRC0487D	575/3/60	1	4.6	33	1	0.17	0.39	Direct Drive Standard Static	1.2	2	-	-	-	-	-	8.08	15
											-	-	-	3.5	-	11.6	15
											-	-	-	-	0.6	8.68	15
											-	-	-	3.5	0.6	12.2	15
											-	-	-	-	-	8.51	15
											-	-	-	3.5	-	12.9	15
											-	-	-	-	0.6	9.26	15
											-	-	-	3.5	0.6	13.6	15
											-	-	-	-	-	14.5	15
											-	-	-	3.5	-	18.9	20
											-	-	-	-	0.6	15.3	20
											-	-	-	3.5	0.6	19.7	20
											-	-	-	-	-	20.5	25
											-	-	-	3.5	-	24.9	25
											-	-	-	-	0.6	21.3	25
											-	-	-	3.5	0.6	25.7	30
-	-	-	-	-	26.6	30											
-	-	-	3.5	-	30.9	35											
-	-	-	-	0.6	27.3	30											
-	-	-	3.5	0.6	31.7	35											
DRC0487W	575/3/60	1	4.6	33	1	0.17	0.39	Direct Drive High Static	1.2	2	-	-	-	-	-	8.08	15
											-	-	-	3.5	-	11.6	15
											-	-	-	-	0.6	8.68	15
											-	-	-	3.5	0.6	12.2	15
											-	-	-	-	-	8.51	15
											-	-	-	3.5	-	12.9	15
											-	-	-	-	0.6	9.26	15
											-	-	-	3.5	0.6	13.6	15
											-	-	-	-	-	14.5	15
											-	-	-	3.5	-	18.9	20
											-	-	-	-	0.6	15.3	20
											-	-	-	3.5	0.6	19.7	20
											-	-	-	-	-	20.5	25
											-	-	-	3.5	-	24.9	25
											-	-	-	-	0.6	21.3	25
											-	-	-	3.5	0.6	25.7	30
-	-	-	-	-	26.6	30											
-	-	-	3.5	-	30.9	35											
-	-	-	-	0.6	27.3	30											
-	-	-	3.5	0.6	31.7	35											

# APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience		Optional Power		Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP		
DRC0601D	208/230/1/60	1	26.9	139.9	1	0.33	2.6	Direct Drive Standard Static	1	6.9	-	-	-	-	-	43.2/43.2	70/70		
											-	-	-	9.6/8.7	-	52.8/51.9	70/70		
											-	-	-	-	1.7/1.5	44.9/44.7	70/70		
											-	-	-	9.6/8.7	1.7/1.5	54.5/53.4	70/70		
											-	-	-	-	-	43.2/43.2	70/70		
											EH*D-1S05	3.76/5.00	18.1/20.8	9.6/8.7	-	52.8/51.9	70/70		
														-	1.7/1.5	44.9/44.7	70/70		
											EH*D-1S10	7.51/10.0	36.1/41.7	9.6/8.7	-	54.5/53.4	70/70		
														-	1.7/1.5	55.9/62.6	70/70		
											EH*D-1S15	11.3/15.0	54.2/62.5	9.6/8.7	-	67.9/73.5	70/80		
														-	1.7/1.5	76.3/86.8	80/90		
											EH*D-1S22	15.0/20.0	72.2/83.3	9.6/8.7	-	88.3/97.6	90/100		
														-	1.7/1.5	98.9/113	100/125		
											-	-	-	9.6/8.7	1.7/1.5	101/115	110/125		
											-	-	-	9.6/8.7	1.7/1.5	113/126	125/150		
											DRC0603D	208/230/3/60	1	16.2	110	1	0.33	2.6	Direct Drive Standard Static
-	-	-	9.6/8.7	-	39.4/38.5	50/50													
-	-	-	-	1.7/1.5	31.5/31.3	45/45													
-	-	-	9.6/8.7	1.7/1.5	41.1/40.0	50/50													
-	-	-	-	-	29.8/29.8	45/45													
EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	39.4/38.5	50/50													
			-	1.7/1.5	31.5/31.3	45/45													
EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	-	41.1/40.0	50/50													
			-	1.7/1.5	47.7/53.7	50/60													
EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	-	47.7/53.7	50/60													
			-	1.7/1.5	59.7/64.6	60/70													
EH*D-3S22	15.0/19.9	41.5/47.9	9.6/8.7	-	60.5/68.5	70/70													
			-	1.7/1.5	72.5/79.3	80/80													
-	-	-	9.6/8.7	1.7/1.5	62.6/70.3	70/80													
-	-	-	9.6/8.7	1.7/1.5	74.6/81.2	80/90													
DRC0603W	208/230/3/60	1	16.2	110	1	0.33	2.6	Direct Drive High Static	2.3	7.7									
											-	-	-	9.6/8.7	-	40.2/39.3	50/50		
											-	-	-	-	1.7/1.5	32.3/32.1	45/45		
											-	-	-	9.6/8.7	1.7/1.5	41.9/40.8	50/50		
											-	-	-	-	-	30.6/30.6	45/45		
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	40.2/39.3	50/50		
														-	1.7/1.5	32.3/32.1	45/45		
											EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	-	41.9/40.8	50/50		
														-	1.7/1.5	47.7/50.6	50/60		
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	-	37.8/41.6	45/45		
														-	1.7/1.5	49.8/52.4	50/60		
											EH*D-3S20	15.0/19.9	41.5/47.9	9.6/8.7	-	48.7/54.7	50/60		
														-	1.7/1.5	60.7/65.6	70/70		
											-	-	-	9.6/8.7	1.7/1.5	50.8/56.6	60/60		
											-	-	-	9.6/8.7	1.7/1.5	62.8/67.5	70/70		
											-	-	-	-	-	61.5/69.5	70/70		
-	-	-	9.6/8.7	-	73.5/80.3	80/90													
-	-	-	-	1.7/1.5	63.6/71.3	70/80													
-	-	-	9.6/8.7	1.7/1.5	75.6/82.2	80/90													
DRC0604D	460/3/60	1	7.6	52	1	0.33	1.6	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	13.6	20		
											-	-	-	4.3	-	17.9	25		
											-	-	-	-	0.5	14.1	20		
											-	-	-	4.3	0.5	18.4	25		
											-	-	-	-	-	13.6	20		
											EH*D-4S05	5	6.01	4.3	-	17.9	25		
														-	0.5	14.1	20		
											EH*D-4S10	10	12	4.3	0.5	18.4	25		
														-	-	18.2	20		
											EH*D-4S15	15	18	4.3	-	23.5	25		
														-	0.5	18.8	20		
											EH*D-4S22	20	24.1	4.3	0.5	24.2	25		
														-	-	25.7	30		
											-	-	-	4.3	-	31.1	35		
											-	-	-	-	0.5	26.3	30		
											-	-	-	4.3	0.5	31.7	35		
-	-	-	-	-	33.2	35													
-	-	-	4.3	-	38.6	40													
-	-	-	-	0.5	33.8	35													
-	-	-	4.3	0.5	39.2	40													



# APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience	Optional Power	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRC0723W	208/230/3/60	1	17.6	136	1	0.33	2	Direct Drive High Static	2.3	7.7	-	-	-	-	-	31.7/31.7	45/45
											-	-	-	9.6/8.7	-	41.3/40.4	50/50
											-	-	-	-	1.7/1.5	43.0/33.2	45/45
											-	-	-	9.6/8.7	1.7/1.5	43.0/41.9	50/50
											-	-	-	-	-	31.7/31.7	45/45
											-	-	-	9.6/8.7	-	41.3/40.4	50/50
											-	-	-	9.6/8.7	1.7/1.5	33.4/33.2	45/45
											-	-	-	9.6/8.7	1.7/1.5	43.0/41.9	50/50
											-	-	-	-	-	35.7/39.7	45/45
											-	-	-	9.6/8.7	-	47.7/50.6	50/60
											-	-	-	-	1.7/1.5	37.8/41.6	45/45
											-	-	-	9.6/8.7	1.7/1.5	49.8/52.4	50/60
											-	-	-	-	-	48.7/54.7	50/60
											-	-	-	9.6/8.7	-	60.7/65.6	70/70
											-	-	-	9.6/8.7	1.7/1.5	50.8/56.6	60/60
											-	-	-	9.6/8.7	1.7/1.5	62.8/67.5	70/70
											-	-	-	-	-	61.5/69.5	70/70
											DRC0724D	460/3/60	1	8.5	66.1	1	0.33
-	-	-	4.3	-	18.2	25											
-	-	-	-	0.5	14.4	20											
-	-	-	4.3	0.5	18.7	25											
-	-	-	-	-	13.9	20											
-	-	-	4.3	-	18.2	25											
-	-	-	4.3	0.5	14.4	20											
-	-	-	4.3	0.5	18.7	25											
-	-	-	-	-	18.2	20											
-	-	-	4.3	0.5	24.2	25											
-	-	-	-	-	25.7	30											
-	-	-	4.3	0.5	31.1	35											
-	-	-	4.3	0.5	26.3	30											
-	-	-	4.3	0.5	31.7	35											
-	-	-	-	-	33.2	35											
-	-	-	4.3	-	38.6	40											
-	-	-	4.3	0.5	33.8	35											
-	-	-	4.3	0.5	39.2	40											
-	-	-	-	-	48.2	50											
-	-	-	4.3	-	53.6	60											
-	-	-	4.3	0.5	48.9	50											
-	-	-	4.3	0.5	54.2	60											
DRC0724W	460/3/60	1	8.5	66.1	1	0.33	0.85	Direct Drive High Static	2.3	4.5	-	-	-	-	-	15.9	20
											-	-	-	4.3	-	20.2	25
											-	-	-	-	0.5	16.4	20
											-	-	-	4.3	0.5	20.7	25
											-	-	-	-	-	15.9	20
											-	-	-	4.3	-	20.2	25
											-	-	-	4.3	0.5	16.4	20
											-	-	-	4.3	0.5	20.7	25
											-	-	-	-	-	20.7	25
											-	-	-	4.3	0.5	26.7	30
											-	-	-	4.3	0.5	21.3	25
											-	-	-	4.3	0.5	26.7	30
											-	-	-	-	-	28.2	30
											-	-	-	4.3	-	33.6	35
											-	-	-	4.3	0.5	28.8	30
											-	-	-	4.3	0.5	34.2	35
											-	-	-	-	-	35.7	40
											-	-	-	4.3	-	41.1	45
-	-	-	4.3	0.5	36.3	40											
-	-	-	4.3	0.5	41.7	45											
-	-	-	-	-	50.7	60											
-	-	-	4.3	-	56.1	60											
-	-	-	4.3	0.5	51.4	60											
-	-	-	4.3	0.5	56.7	60											
DRC0727D	575/3/60	1	6.3	55.3	1	0.33	0.67	Direct Drive Standard Static	1.2	2	-	-	-	-	-	10.6	15
											-	-	-	3.5	-	14.1	20
											-	-	-	-	0.6	11.2	15
											-	-	-	3.5	0.6	14.7	20
											-	-	-	-	-	10.6	15
											-	-	-	3.5	-	14.1	20
											-	-	-	3.5	0.6	11.2	15
											-	-	-	3.5	0.6	14.7	20
											-	-	-	-	-	14.5	15
											-	-	-	3.5	-	18.9	20
											-	-	-	3.5	0.6	15.3	20
											-	-	-	3.5	0.6	19.7	20
											-	-	-	-	-	20.5	25
											-	-	-	3.5	-	24.9	25
											-	-	-	3.5	0.6	21.3	25
											-	-	-	3.5	0.6	25.7	30
											-	-	-	-	-	26.6	30
											-	-	-	3.5	-	30.9	35
-	-	-	3.5	0.6	27.3	30											
-	-	-	3.5	0.6	31.7	35											
-	-	-	-	-	38.6	40											
-	-	-	3.5	-	43	45											
-	-	-	3.5	0.6	39.3	40											
-	-	-	3.5	0.6	43.7	45											
DRC0727W	575/3/60	1	6.3	55.3	1	0.33	0.67	Direct Drive High Static	2.3	3.8	-	-	-	-	-	12.4	15
											-	-	-	3.5	-	15.9	20
											-	-	-	-	0.6	13	15
											-	-	-	3.5	0.6	16.5	20
											-	-	-	-	-	12.4	15
											-	-	-	3.5	-	15.9	20
											-	-	-	3.5	0.6	13	15
											-	-	-	3.5	0.6	16.5	20
											-	-	-	-	-	16.8	20
											-	-	-	3.5	-	21.2	25
											-	-	-	3.5	0.6	17.5	20
											-	-	-	3.5	0.6	21.9	25
											-	-	-	-	-	22.8	25
											-	-	-	3.5	-	27.2	30
											-	-	-	3.5	0.6	23.5	25
											-	-	-	3.5	0.6	27.9	30
											-	-	-	-	-	28.8	30
											-	-	-	3.5	-	33.2	35
-	-	-	3.5	0.6	29.6	30											
-	-	-	3.5	0.6	33.9	35											
-	-	-	-	-	40.8	45											
-	-	-	3.5	-	45.2	50											
-	-	-	3.5	0.6	41.6	45											
-	-	-	3.5	0.6	46	50											

## APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0361D	208/230/1/60	1	15.3	83	1	0.17	0.95	Direct Drive Standard Static	0.75	5.7	-	-	-	-	-	25.7/25.7	40/40
											-	-	-	9.6/8.7	-	35.3/34.4	50/45
											-	-	-	-	1.7/1.5	27.4/27.2	40/40
											-	-	-	9.6/8.7	1.7/1.5	37.0/35.9	50/45
											EH*D-1S05	3.76/5.00	18.1/20.8	-	-	48.3/51.8	50/60
														9.6/8.7	-	57.9/60.5	60/70
														-	1.7/1.5	50.0/53.3	50/60
											EH*D-1S10	7.51/10.0	36.1/41.7	9.6/8.7	1.7/1.5	59.6/62.0	60/70
														-	-	70.9/77.8	80/80
														9.6/8.7	-	80.5/86.5	90/90
											EH*D-1S16	11.3/15.0	54.2/62.5	-	-	82.6/79.3	80/80
														9.6/8.7	1.7/1.5	82.2/88.0	90/90
-	-	93.4/104	100/110														
-	-	-	9.6/8.7	-	103/113	110/125											
-	-	-	-	1.7/1.5	95.1/105	100/110											
-	-	-	9.6/8.7	1.7/1.5	105/114	110/125											
DRH0363D	208/230/3/60	1	11.6	73	1	0.17	0.95	Direct Drive Standard Static	0.75	5.7	-	-	-	-	-	21.2/21.2	30/30
											-	-	-	9.6/8.7	-	30.8/29.9	40/40
											-	-	-	-	1.7/1.5	22.9/22.7	30/30
											-	-	-	9.6/8.7	1.7/1.5	32.5/31.4	40/40
											EH*D-3S05	3.76/5.00	10.4/12.0	-	-	34.2/36.2	40/40
														9.6/8.7	-	43.8/44.9	50/50
														-	1.7/1.5	35.9/37.7	40/40
											EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	1.7/1.5	45.5/46.4	50/50
														-	-	47.2/51.2	50/60
														9.6/8.7	-	56.8/59.9	60/60
											EH*D-3S16	11.3/15.0	31.3/36.1	-	-	48.9/52.7	50/60
														9.6/8.7	1.7/1.5	58.5/61.4	60/70
-	-	60.2/66.3	70/70														
-	-	-	9.6/8.7	-	69.8/75.0	70/80											
-	-	-	-	1.7/1.5	61.9/67.8	70/70											
-	-	-	9.6/8.7	1.7/1.5	71.5/76.5	80/80											
DRH0363W	208/230/3/60	1	11.6	73	1	0.17	0.95	Direct Drive High Static	1.2	5	-	-	-	-	-	20.5/20.5	30/30
											-	-	-	9.6/8.7	-	30.1/29.2	40/40
											-	-	-	-	1.7/1.5	22.2/22.0	30/30
											-	-	-	9.6/8.7	1.7/1.5	31.8/30.7	40/40
											EH*D-3S05	3.76/5.00	10.4/12.0	-	-	33.5/35.5	40/40
														9.6/8.7	-	43.1/44.2	50/50
														-	1.7/1.5	35.2/37.0	40/40
											EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	1.7/1.5	44.8/45.7	50/50
														-	-	46.5/50.5	50/60
														9.6/8.7	-	56.1/59.2	60/60
											EH*D-3S15	11.3/15.0	31.3/36.1	-	-	48.2/52.0	50/60
														9.6/8.7	1.7/1.5	57.8/60.7	60/70
-	-	59.5/65.6	60/70														
-	-	-	9.6/8.7	-	69.1/74.3	70/80											
-	-	-	-	1.7/1.5	61.2/67.1	70/70											
-	-	-	9.6/8.7	1.7/1.5	70.8/75.8	80/80											
DRH0364D	460/3/60	1	5.7	38	1	0.17	0.48	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	10.1	15
											-	-	-	4.3	-	14.4	20
											-	-	-	-	0.5	10.6	15
											-	-	-	4.3	0.5	14.9	20
											EH*D-4S05	5	6.01	-	-	17.6	20
														4.3	-	21.9	25
														-	0.5	18.1	20
											EH*D-4S10	10	12	4.3	0.5	22.4	25
														-	-	25.1	30
														4.3	-	29.4	30
											EH*D-4S16	15	18	-	-	25.6	30
														4.3	0.5	29.9	30
-	-	32.7	35														
-	-	-	4.3	-	37	40											
-	-	-	-	0.5	33.2	35											
-	-	-	4.3	0.5	37.5	40											

## APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0364W	460/3/60	1	5.7	38	1	0.17	0.48	Direct Drive High Static	1.2	2.5	-	-	-	-	-	10.1	15
											-	-	-	4.3	-	14.4	20
											-	-	-	-	0.5	10.6	15
											-	-	-	4.3	0.5	14.9	20
											-	-	-	-	-	17.6	20
											EH*D-4S05	5	6.01	4.3	-	21.9	25
														-	0.5	18.1	20
														4.3	0.5	22.4	25
											EH*D-4S10	10	12	-	-	25.1	30
														4.3	-	29.4	30
														-	0.5	25.6	30
											EH*D-4S15	15	18	4.3	0.5	29.9	30
														-	-	32.7	35
														4.3	-	37	40
														-	0.5	33.2	35
4.3	0.5	37.5	40														
DRH0367D	575/3/60	1	4	25.6	1	0.17	0.39	Direct Drive Standard Static	1.2	2	-	-	-	-	-	7.36	15
											-	-	-	3.5	-	10.9	15
											-	-	-	-	0.6	7.96	15
											-	-	-	3.5	0.6	11.5	15
											-	-	-	-	-	13.4	15
											EH*D-7S05	5	4.81	3.5	-	16.9	20
														-	0.6	14	15
														3.5	0.6	17.5	20
											EH*D-7S10	10	9.62	-	-	19.4	20
														3.5	-	22.9	25
														-	0.6	20	20
											EH*D-7S16	15	14.4	3.5	0.6	23.5	25
														-	-	25.4	30
														3.5	-	28.9	30
														-	0.6	26	30
3.5	0.6	29.5	30														
DRH0367W	575/3/60	1	4	25.6	1	0.17	0.39	Direct Drive High Static	1.2	2	-	-	-	-	-	7.36	15
											-	-	-	3.5	-	10.9	15
											-	-	-	-	0.6	7.96	15
											-	-	-	3.5	0.6	11.5	15
											-	-	-	-	-	13.4	15
											EH*D-7S05	5	4.81	3.5	-	16.9	20
														-	0.6	14	15
														3.5	0.6	17.5	20
											EH*D-7S10	10	9.62	-	-	19.4	20
														3.5	-	22.9	25
														-	0.6	20	20
											EH*D-7S15	15	14.4	3.5	0.6	23.5	25
														-	-	25.4	30
														3.5	-	28.9	30
														-	0.6	26	30
3.5	0.6	29.5	30														
DRH0481D	208/230/1/60	1	21.2	104	1	0.33	3.5	Direct Drive Standard Static	1	6.9	-	-	-	-	-	36.8/36.8	50/50
											-	-	-	9.6/8.7	-	46.4/45.5	60/60
											-	-	-	-	1.7/1.5	38.5/38.3	50/50
											-	-	-	9.6/8.7	1.7/1.5	48.1/47.0	60/60
											EH*D-1S05	3.76/5.00	18.1/20.8	-	-	59.4/62.9	70/70
														9.6/8.7	-	69.0/71.6	80/80
														-	1.7/1.5	61.1/64.4	70/70
											EH*D-1S10	7.51/10.0	36.1/41.7	9.6/8.7	1.7/1.5	70.7/73.1	80/80
														-	-	82.0/88.9	90/90
														9.6/8.7	-	91.6/97.6	100/100
											EH*D-1S15	11.3/15.0	54.2/62.5	-	1.7/1.5	83.7/90.4	90/100
														9.6/8.7	1.7/1.5	93.3/99.1	100/100
														-	-	105/115	110/125
											EH*D-1S22	15.0/20.0	72.2/83.3	9.6/8.7	-	114/124	125/125
														-	1.7/1.5	106/116	110/125
														9.6/8.7	1.7/1.5	116/125	125/150
														-	-	127/141	150/150
														9.6/8.7	-	137/150	150/150
-	1.7/1.5	129/143	150/150														
9.6/8.7	1.7/1.5	138/151	150/175														



# APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0483D	208/230/3/60	1	14	83.1	1	0.33	3.5	Direct Drive Standard Static	1	6.9	-	-	-	-	-	27.9/27.9	40/40
											-	-	-	9.6/8.7	-	37.5/36.6	50/50
											-	-	-	-	1.7/1.5	29.6/29.4	40/40
											-	-	-	9.6/8.7	1.7/1.5	39.2/38.1	50/50
											-	-	-	-	-	41.0/43.0	50/50
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	50.6/51.7	60/60
											-	-	-	-	1.7/1.5	42.7/44.5	50/50
											-	-	-	9.6/8.7	1.7/1.5	52.3/53.2	60/60
											-	-	-	-	-	54.0/58.0	60/60
											EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	-	63.6/66.7	70/70
											-	-	-	-	1.7/1.5	55.7/59.5	60/60
											-	-	-	9.6/8.7	1.7/1.5	65.3/68.2	70/70
											-	-	-	-	-	67.0/73.1	70/80
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	-	76.6/81.8	80/90
-	-	-	-	1.7/1.5	68.7/74.6	70/80											
-	-	-	9.6/8.7	1.7/1.5	78.3/83.3	80/90											
-	-	-	-	-	79.8/87.8	80/90											
EH*D-3S22	15.0/19.9	41.5/47.9	9.6/8.7	-	89.4/96.5	90/100											
-	-	-	-	1.7/1.5	81.5/89.3	90/90											
-	-	-	9.6/8.7	1.7/1.5	91.1/98.0	100/100											
DRH0483W	208/230/3/60	1	14	83.1	1	0.33	3.5	Direct Drive High Static	1.2	5	-	-	-	-	-	26.0/26.0	40/40
											-	-	-	9.6/8.7	-	35.6/34.7	45/45
											-	-	-	-	1.7/1.5	27.7/27.5	40/40
											-	-	-	9.6/8.7	1.7/1.5	37.3/36.2	45/45
											-	-	-	-	-	39.1/41.1	50/50
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	48.7/49.8	60/60
											-	-	-	-	1.7/1.5	40.8/42.6	50/50
											-	-	-	9.6/8.7	1.7/1.5	50.4/51.3	60/60
											-	-	-	-	-	52.1/56.1	60/60
											EH*D-3S10	7.51/10.0	20.8/24.1	9.6/8.7	-	61.7/64.8	70/70
											-	-	-	-	1.7/1.5	53.8/57.6	60/60
											-	-	-	9.6/8.7	1.7/1.5	63.4/66.3	70/70
											-	-	-	-	-	65.1/71.2	70/80
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	-	74.7/79.9	80/80
-	-	-	-	1.7/1.5	66.8/72.7	70/80											
-	-	-	9.6/8.7	1.7/1.5	76.4/81.4	80/90											
-	-	-	-	-	77.9/85.9	80/90											
EH*D-3S21	15.0/19.9	41.5/47.9	9.6/8.7	-	87.5/94.6	90/100											
-	-	-	-	1.7/1.5	79.6/87.4	80/90											
-	-	-	9.6/8.7	1.7/1.5	89.2/96.1	90/100											
DRH0484D	460/3/60	1	6.4	41	1	0.33	1.6	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	12.1	15
											-	-	-	4.3	-	16.4	20
											-	-	-	-	0.5	12.6	15
											-	-	-	4.3	0.5	16.9	20
											-	-	-	-	-	19.6	20
											EH*D-4S05	5	6.01	4.3	-	23.9	25
											-	-	-	-	0.5	20.1	25
											-	-	-	4.3	0.5	24.4	25
											-	-	-	-	-	27.1	30
											EH*D-4S10	10	12	4.3	-	31.4	35
											-	-	-	-	0.5	27.6	30
											-	-	-	4.3	0.5	31.9	35
											-	-	-	-	-	34.7	35
											EH*D-4S15	15	18	4.3	-	39	40
-	-	-	-	0.5	35.2	40											
-	-	-	4.3	0.5	39.5	40											
-	-	-	-	-	42.2	45											
EH*D-4S22	20	24.1	4.3	-	46.5	50											
-	-	-	-	0.5	42.7	45											
-	-	-	4.3	0.5	47	50											
DRH0484W	460/3/60	1	6.4	41	1	0.33	1.6	Direct Drive High Static	1.2	2.5	-	-	-	-	-	12.1	15
											-	-	-	4.3	-	16.4	20
											-	-	-	-	0.5	12.6	15
											-	-	-	4.3	0.5	16.9	20
											-	-	-	-	-	19.6	20
											EH*D-4S05	5	6.01	4.3	-	23.9	25
											-	-	-	-	0.5	20.1	25
											-	-	-	4.3	0.5	24.4	25
											-	-	-	-	-	27.1	30
											EH*D-4S10	10	12	4.3	-	31.4	35
											-	-	-	-	0.5	27.6	30
											-	-	-	4.3	0.5	31.9	35
											-	-	-	-	-	34.7	35
											EH*D-4S15	15	18	4.3	-	39	40
-	-	-	-	0.5	35.2	40											
-	-	-	4.3	0.5	39.5	40											
-	-	-	-	-	42.2	45											
EH*D-4S21	20	24.1	4.3	-	46.5	50											
-	-	-	-	0.5	42.7	45											
-	-	-	4.3	0.5	47	50											

# APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0487D	575/3/60	1	4.6	33	1	0.33	3.5	Direct Drive Standard Static	1.2	2	-	-	-	-	-	11.2	15
											-	-	-	3.5	-	14.7	15
											-	-	-	-	0.6	11.8	15
											-	-	-	3.5	0.6	15.3	20
											-	-	-	-	-	17.2	20
											EH*D-7S05	5	4.81	3.5	-	20.7	25
														-	0.6	17.8	20
											EH*D-7S10	10	9.62	3.5	0.6	21.3	25
														-	-	23.2	25
											EH*D-7S15	15	14.4	3.5	-	26.7	30
														-	0.6	23.8	25
											EH*D-7S22	20	19.2	3.5	0.6	27.3	30
														-	-	29.2	30
											-	-	-	3.5	-	32.7	35
											-	-	-	-	0.6	29.8	30
											-	-	-	3.5	0.6	33.3	35
-	-	-	-	-	35.2	40											
-	-	-	3.5	-	38.7	40											
-	-	-	-	0.6	35.8	40											
-	-	-	3.5	0.6	39.3	40											
DRH0487W	575/3/60	1	4.6	33	1	0.33	3.5	Direct Drive High Static	1.2	2	-	-	-	-	-	11.2	15
											-	-	-	3.5	-	14.7	15
											-	-	-	-	0.6	11.8	15
											-	-	-	3.5	0.6	15.3	20
											-	-	-	-	-	17.2	20
											EH*D-7S05	5	4.81	3.5	-	20.7	25
														-	0.6	17.8	20
											EH*D-7S10	10	9.62	3.5	0.6	21.3	25
														-	-	23.2	25
											EH*D-7S15	15	14.4	3.5	-	26.7	30
														-	0.6	23.8	25
											EH*D-7S21	20	19.2	3.5	0.6	27.3	30
														-	-	29.2	30
											-	-	-	3.5	-	32.7	35
											-	-	-	-	0.6	29.8	30
											-	-	-	3.5	0.6	33.3	35
-	-	-	-	-	35.2	40											
-	-	-	3.5	-	38.7	40											
-	-	-	-	0.6	35.8	40											
-	-	-	3.5	0.6	39.3	40											
DRH0601D	208/230/1/60	1	26.9	139.9	1	0.3	3.5	Direct Drive Standard Static	1	6.9	-	-	-	-	-	44.1/44.1	70/70
											-	-	-	9.6/8.7	-	53.7/52.8	80/70
											-	-	-	-	1.7/1.5	45.8/45.6	70/70
											-	-	-	9.6/8.7	1.7/1.5	55.4/54.3	80/70
											EH*D-1S05	3.76/5.00	18.1/20.8	-	-	66.6/70.1	80/90
														9.6/8.7	-	76.2/78.8	90/100
											EH*D-1S10	7.51/10.0	36.1/41.7	-	1.7/1.5	68.3/71.6	80/90
														9.6/8.7	1.7/1.5	77.9/80.3	90/100
											EH*D-1S15	11.3/15.0	54.2/62.5	-	-	89.2/96.1	100/110
														9.6/8.7	-	98.8/105	110/110
											EH*D-1S22	15.0/20.0	72.2/83.3	-	1.7/1.5	90.9/97.6	100/110
														9.6/8.7	1.7/1.5	100/106	110/110
											-	-	-	-	-	112/122	125/125
											-	-	-	9.6/8.7	-	121/131	125/150
											-	-	-	-	1.7/1.5	113/124	125/125
											-	-	-	9.6/8.7	1.7/1.5	123/132	125/150
-	-	-	-	-	134/148	150/150											
-	-	-	9.6/8.7	-	144/157	150/175											
-	-	-	-	1.7/1.5	136/150	150/150											
-	-	-	9.6/8.7	1.7/1.5	146/158	150/175											
DRH0603D	208/230/3/60	1	16.2	110	1	0.3	3.5	Direct Drive Standard Static	1	6.9	-	-	-	-	-	30.7/30.7	45/45
											-	-	-	9.6/8.7	-	40.3/39.4	50/50
											-	-	-	-	1.7/1.5	32.4/32.2	45/45
											-	-	-	9.6/8.7	1.7/1.5	42.0/40.9	50/50
											EH*D-3S05	3.76/5.00	10.4/12.0	-	-	43.7/45.7	50/50
														9.6/8.7	-	53.3/54.4	60/60
											EH*D-3S10	7.51/10.0	20.8/24.1	-	1.7/1.5	45.4/47.2	50/50
														9.6/8.7	1.7/1.5	55.0/55.9	60/60
											EH*D-3S15	11.3/15.0	31.3/36.1	-	-	56.7/60.7	60/70
														9.6/8.7	-	66.3/69.4	70/70
											EH*D-3S22	15.0/19.9	41.5/47.9	-	1.7/1.5	58.4/62.2	60/70
														9.6/8.7	1.7/1.5	68.0/70.9	70/80
											-	-	-	-	-	69.8/75.8	70/80
											-	-	-	9.6/8.7	-	79.4/84.5	80/90
											-	-	-	-	1.7/1.5	71.5/77.3	80/80
											-	-	-	9.6/8.7	1.7/1.5	81.1/86.0	90/90
-	-	-	-	-	82.5/90.5	90/100											
-	-	-	9.6/8.7	-	92.1/99.2	100/100											
-	-	-	-	1.7/1.5	84.2/92.0	90/100											
-	-	-	9.6/8.7	1.7/1.5	93.8/101	100/110											

## APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0603W	208/230/3/60	1	16.2	110	1	0.3	3.5	Direct Drive High Static	2.3	7.7	-	-	-	-	-	31.5/31.5	45/45
											-	-	-	9.6/8.7	-	41.1/40.2	50/50
											-	-	-	-	1.7/1.5	33.2/33.0	45/45
											-	-	-	9.6/8.7	1.7/1.5	42.8/41.7	50/50
											-	-	-	-	-	44.5/46.5	50/50
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	54.1/55.2	60/60
														-	1.7/1.5	46.2/48.0	50/50
														9.6/8.7	1.7/1.5	55.8/56.7	60/60
											EH*D-3S10	7.51/10.0	20.8/24.1	-	-	57.5/61.5	60/70
														9.6/8.7	-	67.1/70.2	70/80
														-	1.7/1.5	59.2/63.0	60/70
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	1.7/1.5	68.8/71.7	70/80
														-	-	70.6/76.6	80/80
														9.6/8.7	-	80.2/85.3	90/90
											EH*D-3S20	15.0/19.9	41.5/47.9	-	-	72.3/78.1	80/80
9.6/8.7	1.7/1.5	81.9/86.8	90/90														
-	-	83.3/91.3	90/100														
-	-	-	9.6/8.7	-	92.9/100	100/110											
-	-	-	-	1.7/1.5	85.0/92.8	90/100											
-	-	-	9.6/8.7	1.7/1.5	94.6/102	100/110											
DRH0604D	460/3/60	1	7.6	52	1	0.3	1.6	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	13.6	20
											-	-	-	4.3	-	17.9	25
											-	-	-	-	0.5	14.1	20
											-	-	-	4.3	0.5	18.4	25
											-	-	-	-	-	21.2	25
											EH*D-4S05	5	6.01	4.3	-	25.5	30
														-	0.5	21.7	25
														4.3	0.5	26	30
											EH*D-4S10	10	12	-	-	28.7	30
														4.3	-	33	35
														-	0.5	29.2	30
											EH*D-4S15	15	18	4.3	0.5	33.5	35
														-	-	36.2	40
														4.3	-	40.5	45
											EH*D-4S22	20	24.1	-	-	36.7	40
4.3	0.5	41	45														
-	-	43.7	45														
-	-	-	4.3	-	48	50											
-	-	-	-	0.5	44.2	45											
-	-	-	4.3	0.5	48.5	50											
DRH0604W	460/3/60	1	7.6	52	1	0.3	1.6	Direct Drive High Static	2.3	4.5	-	-	-	-	-	15.6	20
											-	-	-	4.3	-	19.9	25
											-	-	-	-	0.5	16.1	20
											-	-	-	4.3	0.5	20.4	25
											-	-	-	-	-	23.2	25
											EH*D-4S05	5	6.01	4.3	-	27.5	30
														-	0.5	23.7	25
														4.3	0.5	28	30
											EH*D-4S10	10	12	-	-	30.7	35
														4.3	-	35	35
														-	0.5	31.2	35
											EH*D-4S15	15	18	4.3	0.5	35.5	40
														-	-	38.2	40
														4.3	-	42.5	45
											EH*D-4S20	20	24.1	-	-	38.7	40
4.3	0.5	43	45														
-	-	45.7	50														
-	-	-	4.3	-	50	60											
-	-	-	-	0.5	46.2	50											
-	-	-	4.3	0.5	50.5	60											
DRH0607D	575/3/60	1	5.3	38.9	1	0.3	3.5	Direct Drive Standard Static	1.2	2	-	-	-	-	-	12.2	15
											-	-	-	3.5	-	15.7	20
											-	-	-	-	0.6	12.8	15
											-	-	-	3.5	0.6	16.3	20
											-	-	-	-	-	18.2	20
											EH*D-7S05	5	4.81	3.5	-	21.7	25
														-	0.6	18.8	20
														3.5	0.6	22.3	25
											EH*D-7S10	10	9.62	-	-	24.2	25
														3.5	-	27.7	30
														-	0.6	24.8	25
											EH*D-7S15	15	14.4	3.5	0.6	28.3	30
														-	-	30.2	35
														3.5	-	33.7	35
											EH*D-7S22	20	19.2	-	-	30.8	35
3.5	0.6	34.3	35														
-	-	36.2	40														
-	-	-	3.5	-	39.7	40											
-	-	-	-	0.6	36.8	40											
-	-	-	3.5	0.6	40.3	45											

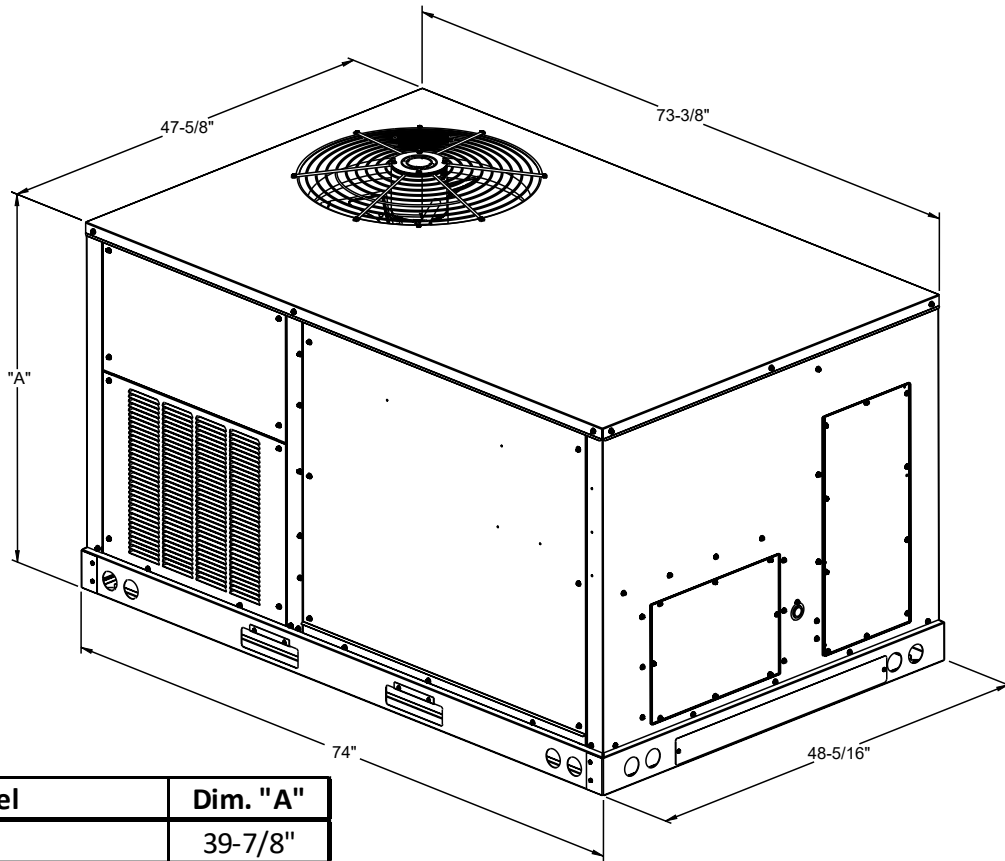
# APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0607W	575/3/60	1	5.3	38.9	1	0.3	3.5	Direct Drive High Static	2.3	3.8	-	-	-	-	-	14	15
											-	-	-	3.5	-	17.5	20
											-	-	-	-	0.6	14.6	15
											-	-	-	3.5	0.6	18.1	20
											-	-	-	-	-	20	20
											EH*D-7S05	5	4.81	3.5	-	23.5	25
														-	0.6	20.6	25
														3.5	0.6	24.1	25
											EH*D-7S10	10	9.62	-	-	26	30
														3.5	-	29.5	30
														-	0.6	26.6	30
											EH*D-7S15	15	14.4	3.5	-	30.1	35
														-	-	32	35
														3.5	-	35.5	40
											EH*D-7S20	20	19.2	-	0.6	32.6	35
3.5	0.6	36.1	40														
-	-	38	40														
-	-	-	3.5	-	41.5	45											
-	-	-	-	0.6	38.6	40											
-	-	-	3.5	0.6	42.1	45											
DRH0723D	208/230/3/60	1	17.6	136	1	0.33	2	Direct Drive Standard Static	1.2	5	-	-	-	-	-	29.0/29.0	45/45
											-	-	-	9.6/8.7	-	38.6/37.7	50/50
											-	-	-	-	1.7/1.5	30.7/30.5	45/45
											-	-	-	9.6/8.7	1.7/1.5	40.3/39.2	50/50
											-	-	-	-	-	42.0/44.0	50/50
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	51.6/52.7	60/60
														-	1.7/1.5	43.7/45.5	50/50
														9.6/8.7	1.7/1.5	53.3/54.2	60/60
											EH*D-3S10	7.51/10.0	20.8/24.1	-	-	55.0/59.0	60/70
														9.6/8.7	-	64.6/67.7	70/70
														-	1.7/1.5	56.7/60.5	60/70
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	1.7/1.5	66.3/69.2	70/70
														-	-	68.0/74.1	70/80
														9.6/8.7	1.7/1.5	79.3/84.3	80/90
											EH*D-3S21	15.0/19.9	41.5/47.9	-	-	80.8/88.8	90/90
9.6/8.7	-	90.4/97.5	100/100														
-	1.7/1.5	82.5/90.3	90/100														
EH*D-3S31	21.6/28.8	60.0/69.3	9.6/8.7	1.7/1.5	92.1/99.0	100/100											
			-	-	104/116	110/125											
			9.6/8.7	1.7/1.5	114/124	125/125											
-	-	-	-	-	106/117	110/125											
-	-	-	9.6/8.7	1.7/1.5	115/126	125/150											
DRH0723W	208/230/3/60	1	17.6	136	1	0.33	2	Direct Drive High Static	2.3	7.7	-	-	-	-	-	31.7/31.7	45/45
											-	-	-	9.6/8.7	-	41.3/40.4	50/50
											-	-	-	-	1.7/1.5	33.4/33.2	45/45
											-	-	-	9.6/8.7	1.7/1.5	43.0/41.9	50/50
											-	-	-	-	-	44.7/46.7	50/60
											EH*D-3S05	3.76/5.00	10.4/12.0	9.6/8.7	-	54.3/55.4	60/60
														-	1.7/1.5	46.4/48.2	50/60
														9.6/8.7	1.7/1.5	56.0/56.9	60/60
											EH*D-3S10	7.51/10.0	20.8/24.1	-	-	57.7/61.7	70/70
														9.6/8.7	-	67.3/70.4	70/80
														-	1.7/1.5	59.4/63.2	70/70
											EH*D-3S15	11.3/15.0	31.3/36.1	9.6/8.7	1.7/1.5	69.0/71.9	70/80
														-	-	70.7/76.8	80/80
														9.6/8.7	1.7/1.5	80.3/85.5	90/90
											EH*D-3S20	15.0/19.9	41.5/47.9	-	-	72.4/78.3	80/80
9.6/8.7	1.7/1.5	82.0/87.0	90/90														
-	-	83.5/91.5	90/100														
EH*D-3S30	21.6/28.8	60.0/69.3	9.6/8.7	-	93.1/100	100/110											
			-	1.7/1.5	85.2/93.0	90/100											
			9.6/8.7	1.7/1.5	94.8/102	100/110											
-	-	-	-	-	107/118	110/125											
-	-	-	9.6/8.7	-	116/127	125/150											
-	-	-	-	1.7/1.5	108/120	110/125											
-	-	-	9.6/8.7	1.7/1.5	118/128	125/150											
DRH0724D	460/3/60	1	8.5	66.1	1	0.33	0.85	Direct Drive Standard Static	1.2	2.5	-	-	-	-	-	13.9	20
											-	-	-	4.3	-	18.2	25
											-	-	-	-	0.5	14.4	20
											-	-	-	4.3	0.5	18.7	25
											-	-	-	-	-	21.4	25
											EH*D-4S05	5	6.01	4.3	-	25.7	30
														-	0.5	21.9	25
														4.3	0.5	26.2	30
											EH*D-4S10	10	12	-	-	29	30
														4.3	-	33.3	35
														-	0.5	29.5	30
											EH*D-4S15	15	18	4.3	-	36.5	40
														-	-	40.8	45
														4.3	0.5	37	40
											EH*D-4S21	20	24.1	-	-	41.3	45
4.3	-	44	45														
-	0.5	48.3	50														
EH*D-4S31	30	36.1	4.3	-	44.5	45											
			-	0.5	48.8	50											
			4.3	-	59	60											
-	-	-	-	0.5	63.3	70											
-	-	-	4.3	0.5	59.5	60											
-	-	-	4.3	0.5	63.8	70											

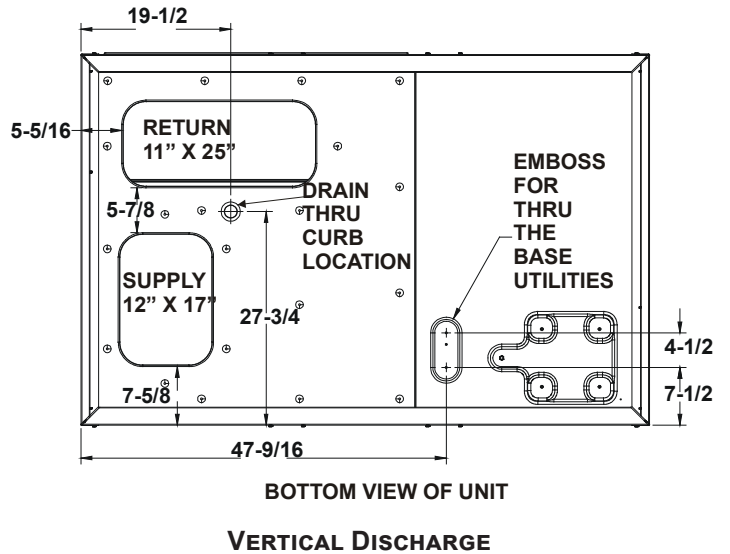
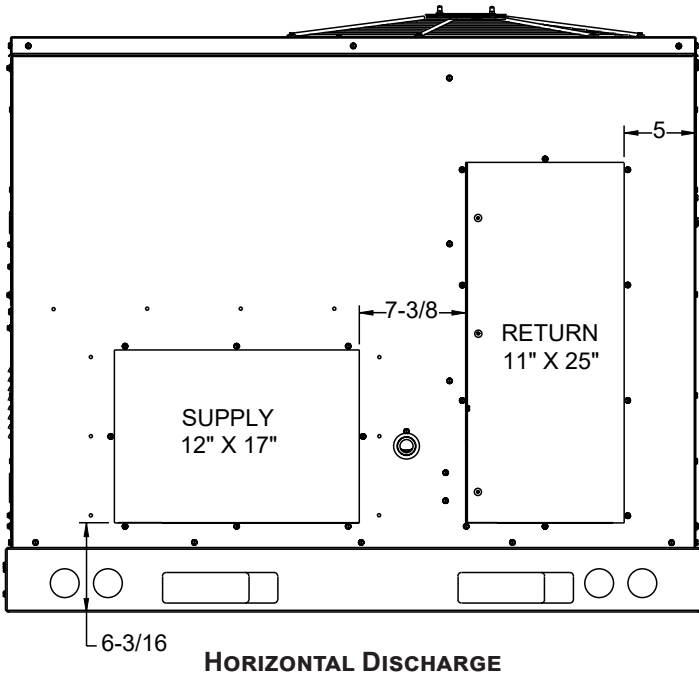
## APPENDIX B ELECTRICAL DATA

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	Type	HP	FLA	Part #	KW*	FLA	FLA	FLA	MCA	MOP
DRH0724W	460/3/60	1	8.5	66.1	1	0.33	0.85	Direct Drive High Static	2.3	4.5	-	-	-	-	-	15.9	20
											-	-	-	4.3	-	20.2	25
											-	-	-	-	0.5	16.4	20
											-	-	-	4.3	0.5	20.7	25
											-	-	-	-	-	23.4	30
											EH*D-4S05	5	6.01	4.3	-	27.7	30
														-	0.5	23.9	30
											4.3	0.5	28.2	30			
											-	-	-	-	-	31	35
											EH*D-4S10	10	12	4.3	-	35.3	40
														-	0.5	31.5	35
											4.3	0.5	35.8	40			
											-	-	-	-	-	38.5	40
											EH*D-4S15	15	18	4.3	-	42.8	45
														-	0.5	39	40
											4.3	0.5	43.3	45			
											-	-	-	-	-	46	50
											EH*D-4S20	20	24.1	4.3	-	50.3	60
														-	0.5	46.5	50
											4.3	0.5	50.8	60			
											-	-	-	-	-	61	70
											EH*D-4S30	30	36.1	4.3	-	65.3	70
														-	0.5	61.5	70
											4.3	0.5	65.8	70			
DRH0727D	575/3/60	1	6.3	55.3	1	0.33	0.67	Direct Drive Standard Static	1.2	2	-	-	-	-	-	10.6	15
											-	-	-	3.5	-	14.1	20
											-	-	-	-	0.6	11.2	15
											-	-	-	3.5	0.6	14.7	20
											-	-	-	-	-	16.6	20
											EH*D-7S05	5	4.81	3.5	-	20.1	25
														-	0.6	17.2	20
											3.5	0.6	20.7	25			
											-	-	-	-	-	22.6	25
											EH*D-7S10	10	9.62	3.5	-	26.1	30
														-	0.6	23.2	25
											3.5	0.6	26.7	30			
											-	-	-	-	-	28.6	30
											EH*D-7S15	15	14.4	3.5	-	32.1	35
														-	0.6	29.2	30
											3.5	0.6	32.7	35			
											-	-	-	-	-	34.7	35
											EH*D-7S21	20	19.2	3.5	-	38.2	40
														-	0.6	35.3	40
											3.5	0.6	38.8	40			
											-	-	-	-	-	46.7	50
											EH*D-7S31	30	28.9	3.5	-	50.2	60
														-	0.6	47.3	50
											3.5	0.6	50.8	60			
DRH0727W	575/3/60	1	6.3	55.3	1	0.33	0.67	Direct Drive High Static	2.3	3.8	-	-	-	-	-	12.4	15
											-	-	-	3.5	-	15.9	20
											-	-	-	-	0.6	13	15
											-	-	-	3.5	0.6	16.5	20
											-	-	-	-	-	18.4	20
											EH*D-7S05	5	4.81	3.5	-	21.9	25
														-	0.6	19	20
											3.5	0.6	22.5	25			
											-	-	-	-	-	24.4	25
											EH*D-7S10	10	9.62	3.5	-	27.9	30
														-	0.6	25	30
											3.5	0.6	28.5	30			
											-	-	-	-	-	30.4	35
											EH*D-7S15	15	14.4	3.5	-	33.9	35
														-	0.6	31	35
											3.5	0.6	34.5	35			
											-	-	-	-	-	36.5	40
											EH*D-7S20	20	19.2	3.5	-	40	40
														-	0.6	37.1	40
											3.5	0.6	40.6	45			
											-	-	-	-	-	48.5	50
											EH*D-7S30	30	28.9	3.5	-	52	60
														-	0.6	49.1	50
											3.5	0.6	52.6	60			

# APPENDIX C UNIT DIMENSIONS



Model	Dim. "A"
3 ton AC	39-7/8"
3 ton Heat Pump	43-1/2"
4 & 5 ton AC and Heat Pump	43-1/2"
6 ton AC and Heat Pump	53-3/4"



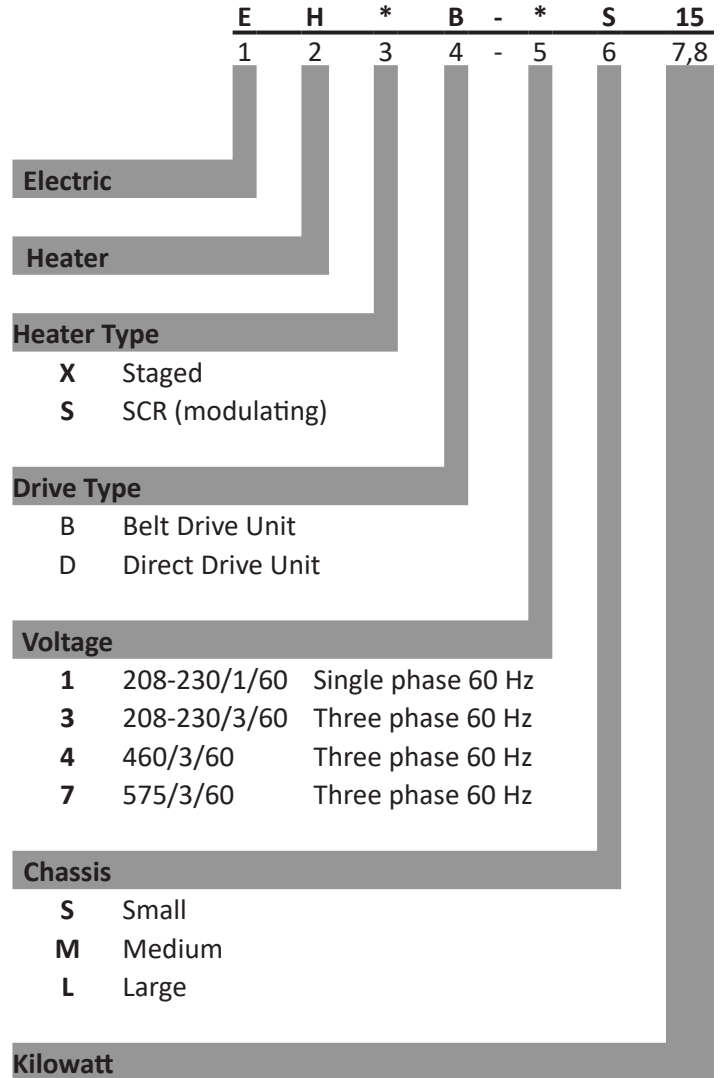
**NOTE: REFER TO IOD-7082 INCLUDED IN THE LITERATURE PACK FOR INSTALLING HORIZONTAL DUCT COVERS.**

# APPENDIX D AIR FLOW FOR ELECTRIC HEAT


## AIR FLOW FOR ELECTRIC HEAT

UNIT	HEATER KIT MODEL NUMBER	kW	MINIMUM CFM	MAXIMUM CFM	
3 ton AC STD Static	EH*D-*S05	5	975	1500	
	EH*D-*S10	10			
	EH*D-*S16	15			
3 ton HP STD Static	EH*D-*S05	5	1175		
	EH*D-*S10	10			
	EH*D-*S16	15			
3 ton AC HI Static	EH*D-*S05	5	975		
	EH*D-*S10	10			
	EH*D-*S15	15			
3 ton HP HI Static	EH*D-*S05	5	975		
	EH*D-*S10	10			
	EH*D-*S15	15			
4 ton AC STD Static	EH*D-*S05	5	1300		2000
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S22	20			
4 ton HP STD Static	EH*D-*S05	5	1400		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S22	20			
4 ton AC HI Static	EH*D-*S05	5	1300		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S21	20			
4 ton HP HI Static	EH*D-*S05	5	1300		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S21	21			
5 ton AC STD Static	EH*D-*S05	5	1625	2500	
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S22	20			
5 ton HP STD Static	EH*D-*S05	5	1625		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S22	20			
5 ton AC HI Static	EH*D-*S05	5	1625		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S20	20			
5 ton HP HI Static	EH*D-*S05	5	1625		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S20	20			
6 ton AC/HP STD Static	EH*D-*S05	5	1950	3000	
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S21	20			
	EH*D-*S31	30			
6 ton AC/HP HI Static	EH*D-*S05	5	1950		
	EH*D-*S10	10			
	EH*D-*S15	15			
	EH*D-*S20	20			
	EH*D-*S30	30			

## HEATER KIT MODEL NUMBER NOMENCLATURE

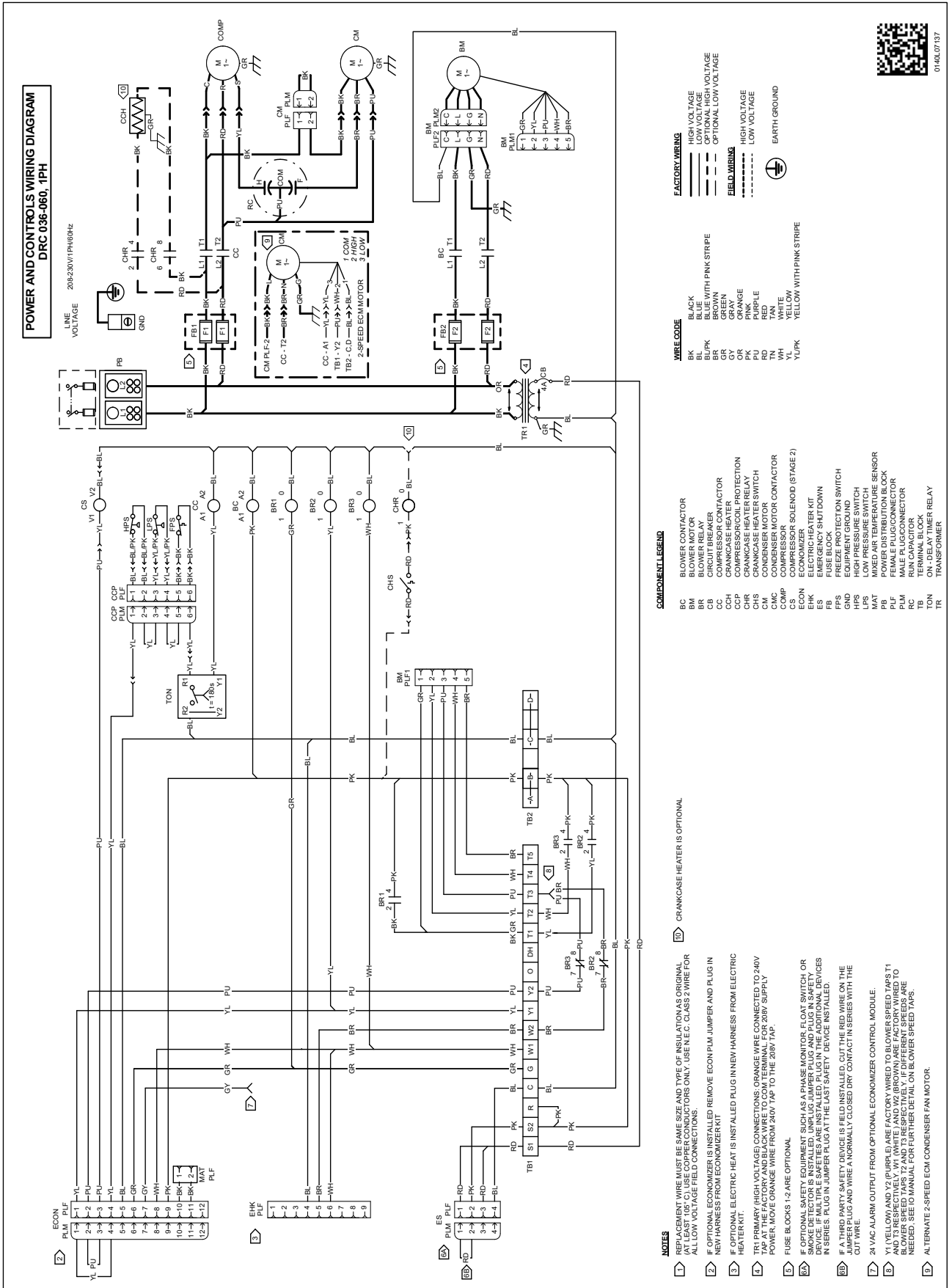


# WIRING DIAGRAMS



**WARNING**

**HIGH VOLTAGE!**  
**DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

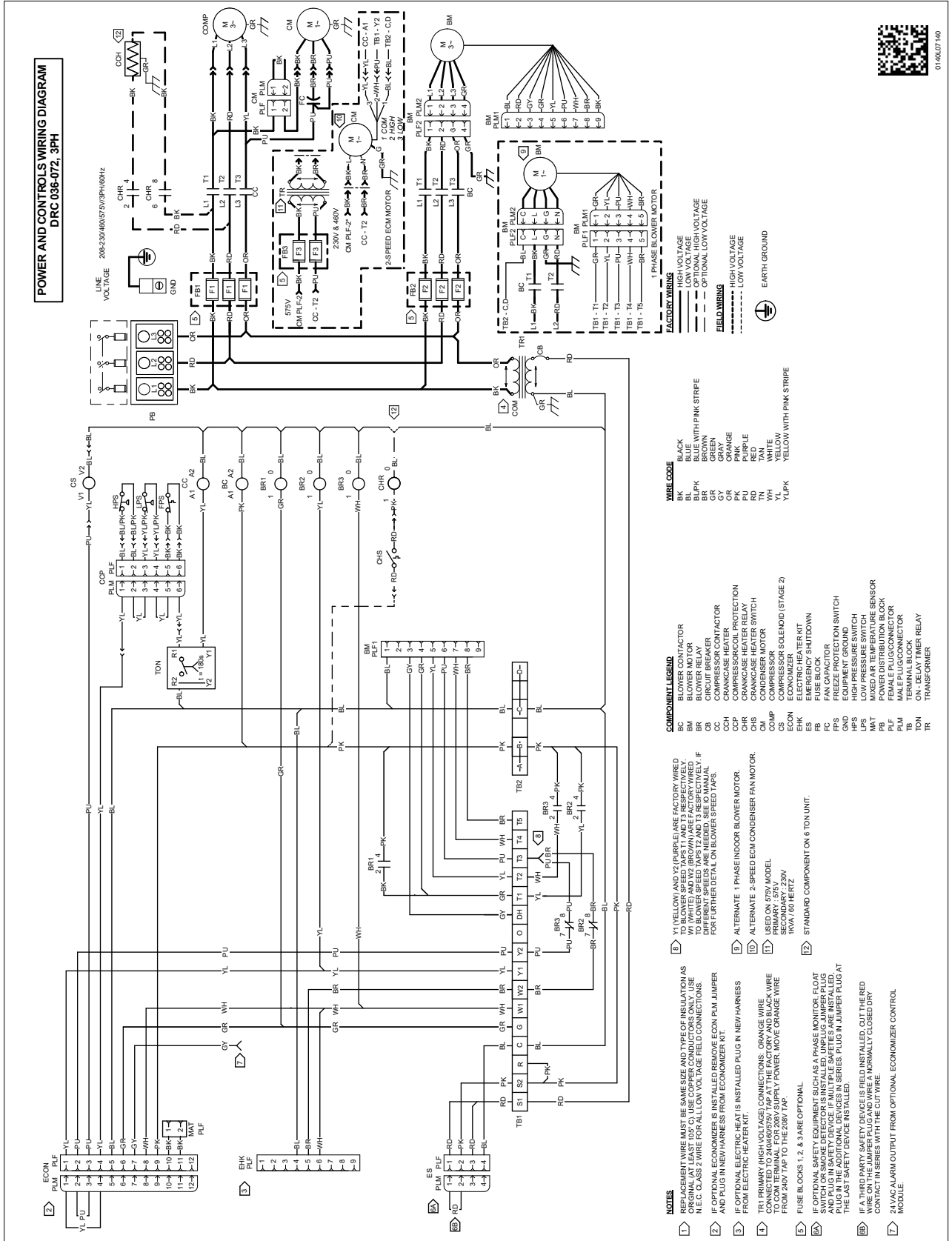


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**WARNING**



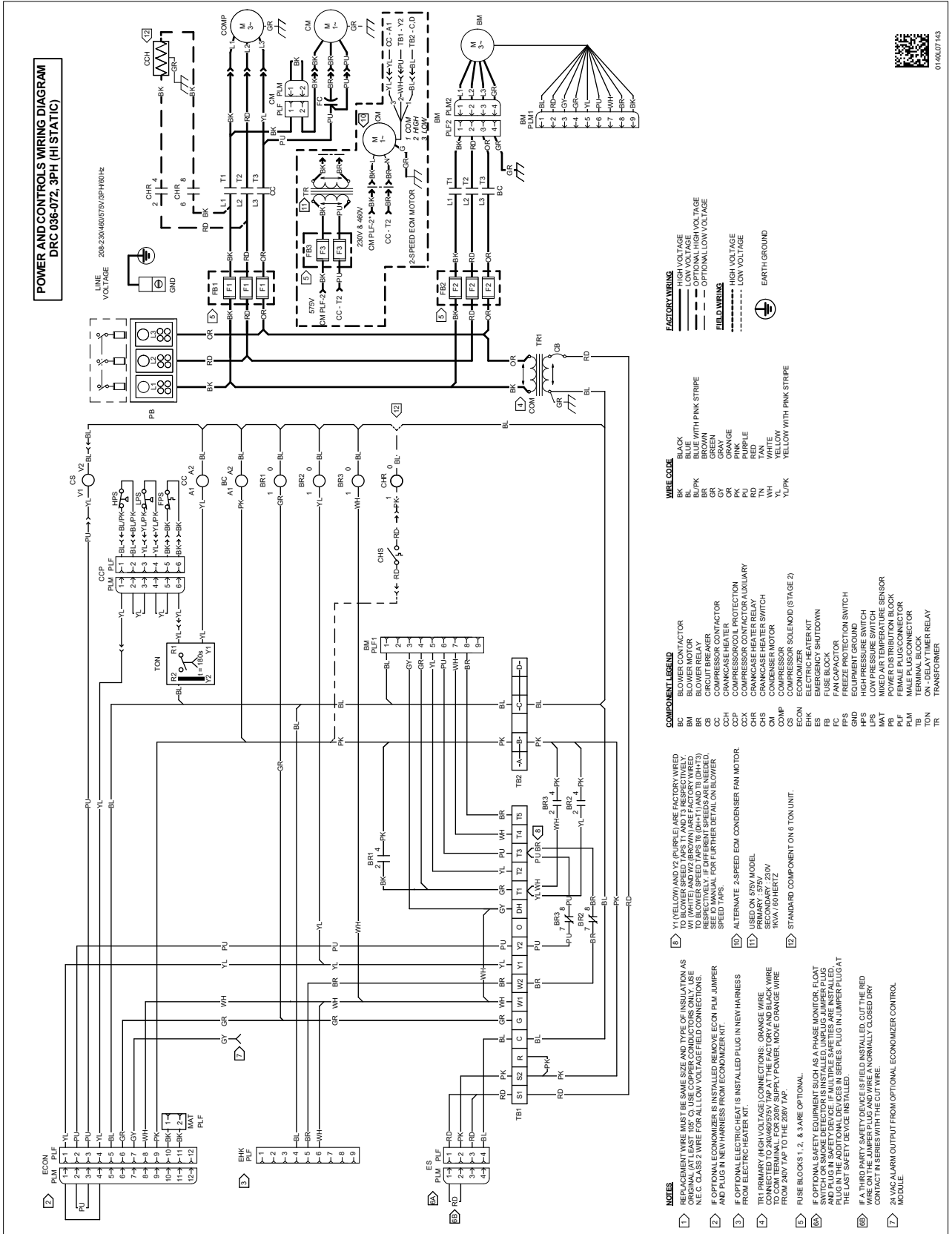
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POWER AND CONTROLS WIRING DIAGRAM  
DRC 036-072, 3PH (H1 STATIC)



**FACTORY WIRING**  
 HIGH VOLTAGE  
 LOW VOLTAGE  
 WIRE WITH PINK STRIPE  
 OPTIONAL LOW VOLTAGE  
**FIELD WIRING**  
 WIRE WITH PINK STRIPE  
 LOW VOLTAGE  
 EARTH GROUND

**WIRE CODE**  
 BK BLACK  
 BL BLUE  
 BK/PK BLUE WITH PINK STRIPE  
 BR BROWN  
 GR GREEN  
 OR ORANGE  
 PK PINK  
 PU PURPLE  
 WH WHITE  
 TN TAN  
 YL/YLK YELLOW WITH PINK STRIPE

**COMPONENT LEGEND**  
 BC BLOWER MOTOR  
 BM BLOWER RELAY  
 BR BLOWER RELAY  
 CC COMPRESSOR CONTACTOR  
 CCH CRANKCASE HEATER  
 CCP COMPRESSOR/COIL PROTECTION  
 CCX COMPRESSOR CONTACTOR/AUXILIARY  
 OHS CRANKCASE HEATER SWITCH  
 COMP COMPRESSOR  
 ECON ECONOMIZER  
 EHK ELECTRIC HEATER KIT  
 ES EMERGENCY SHUTDOWN  
 FAN FAN MOTOR  
 FCS FAN CONTACTOR  
 FPS FREEZE PROTECTION SWITCH  
 GND EQUIPMENT GROUND  
 HPS HIGH PRESSURE SWITCH  
 MAT MIXED AIR TEMPERATURE SENSOR  
 PUF POWER DISTRIBUTION BLOCK  
 PFI FEMALE PLUG/CONNECTOR  
 TR1 TRANSFORMER  
 TR2 TRANSFORMER

**NOTES**  
 1 REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST #14). USE COPPER CONDUCTORS ONLY. USE N.E.C. CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS.  
 2 IF OPTIONAL ECONOMIZER IS INSTALLED REMOVE ECON PUM JUMPER AND PLUG IN NEW HARNESS FROM ECONOMIZER KIT.  
 3 IF OPTIONAL ELECTRIC HEAT IS INSTALLED PLUG IN NEW HARNESS FROM ELECTRIC HEATER KIT.  
 4 TR1 PRIMARY (HIGH VOLTAGE CONNECTIONS: ORANGE WIRE) CONNECTED TO 240/460/575V SUPPLY. FACTORY AND BLACK WIRE CONNECTED TO 24VAC SECONDARY. TIGHTEN, MAKE SURE CHANGE WIRE FROM 24V TAP TO THE 208V TAP.  
 5 FUSE BLOCKS 1, 2, & 3 ARE OPTIONAL.  
 6 IF OPTIONAL 24VAC SAFETY SWITCH IS INSTALLED, UNPLUG JUMPER PLUG AND PLUG IN SAFETY DEVICE. IF MULTIPLE SAFETIES ARE INSTALLED, THE LAST SAFETY DEVICE IS INSTALLED.  
 7 IF A THIRD PARTY SAFETY DEVICE IS FIELD INSTALLED, CUT THE RED WIRE ON THE JUMPER PLUG AND WIRE AN ORIGINALLY CLOSED DRY CONTACT IN SERIES WITH THE CUT WIRE.  
 8 24 VAC ALARM OUTPUT FROM OPTIONAL ECONOMIZER CONTROL MODULE.  
 9 Y1 (YELLOW) AND Y2 (PURPLE) ARE FACTORY WIRED TO BLOWER SPEED TAPS T1 (DH1) AND T2 (DH2). SEE I/O MANUAL FOR FURTHER DETAIL ON BLOWER SPEED TAPS.  
 10 ALTERNATE 2-SPEED ECM CONDENSER FAN MOTOR.  
 11 USED ON 575V MODEL.  
 12 STANDARD COMPONENT ON 6 TON UNIT.



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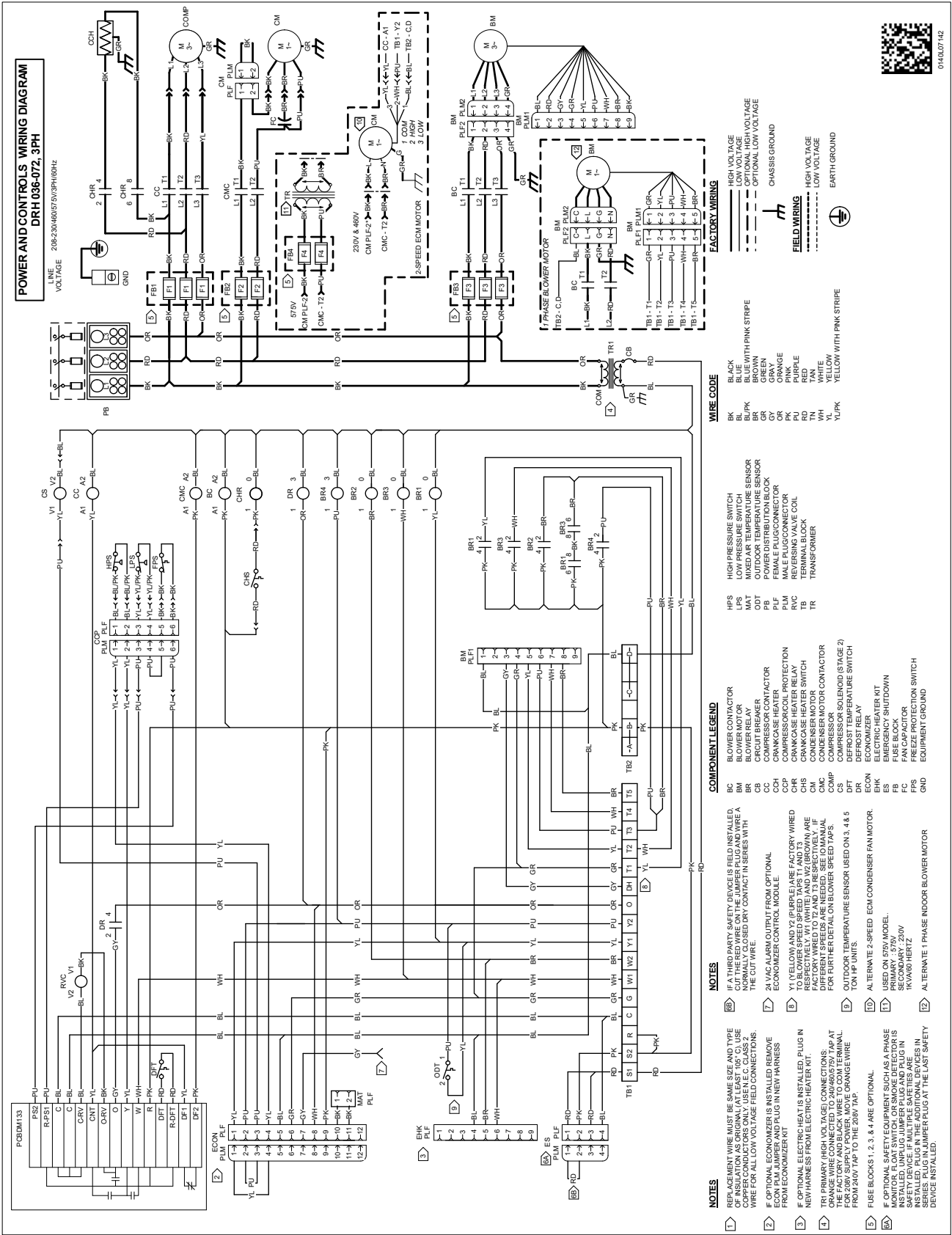
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



# WIRING DIAGRAMS

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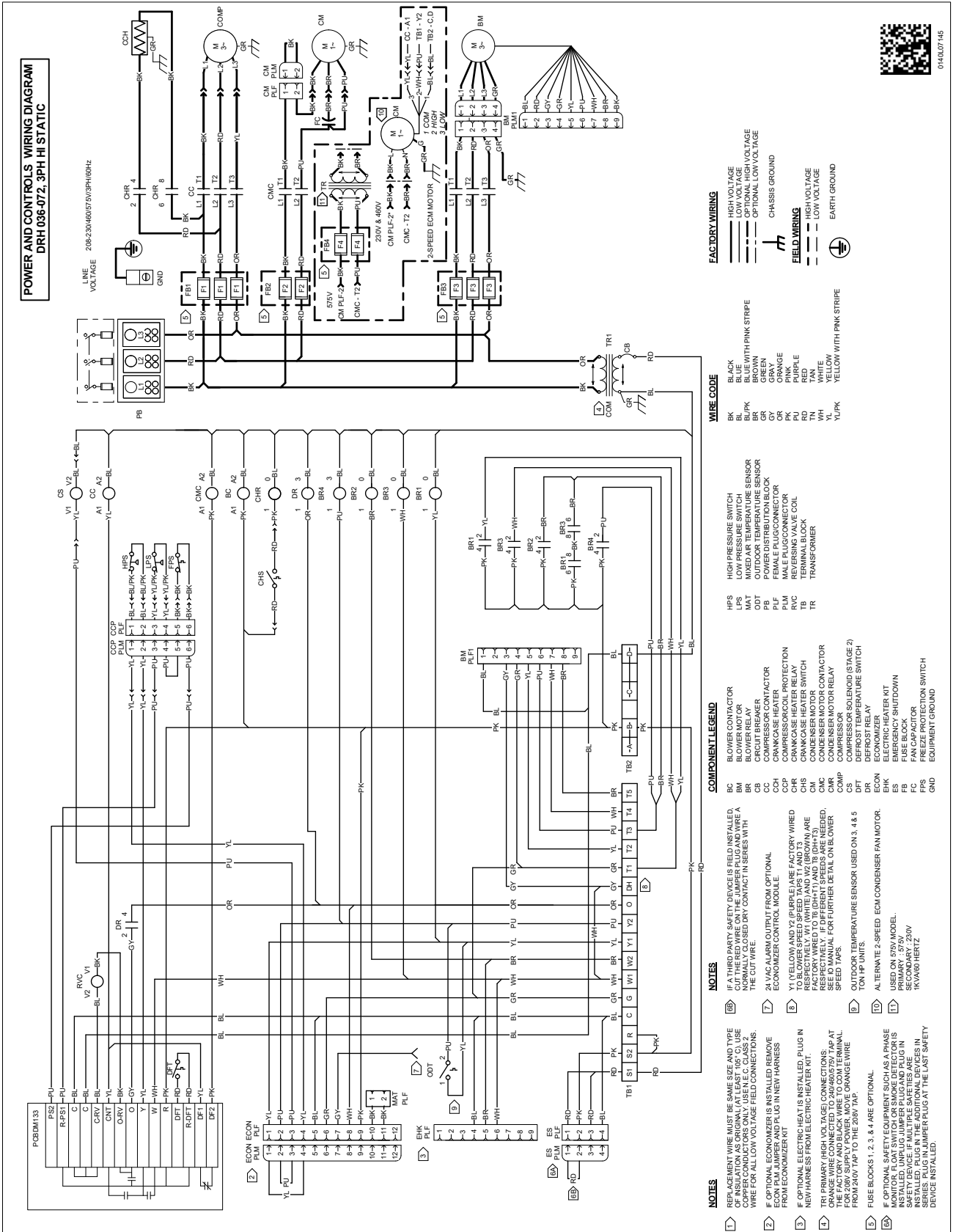
041020742

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

# WIRING DIAGRAMS

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0410.07.145

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



# Start-up Checklist

*\*Store in job file*

Date: \_\_\_\_\_ Location: \_\_\_\_\_  
Model Number: \_\_\_\_\_  
Serial Number: \_\_\_\_\_  
Technician: \_\_\_\_\_ Unit #: \_\_\_\_\_

## Pre Start-Up

*(Check each item as completed)*

- Verify all packaging material has been removed.
- Remove all shipping brackets per installation instructions.
- Verify the job site voltage agrees with the unit serial plate.
- Verify condensate connection is installed per installation instructions.
- Verify proper clearance around the unit for safety, service, maintenance and proper unit operation.
- Verify proper weatherproofing of all ductwork, roof curbs and electrical connections.
- Check that the flue screen is in place.
- Check gas piping for leaks.
- Verify gas pressure to the unit is within the range specified on the serial plate.
- Check to ensure that all fans, pulleys and wheels are secure.
- Check for proper belt tension and alignment per installation instructions.
- Check refrigerant piping for rubbing and leaks. *Repair if necessary.*
- Check unit wiring to ensure it is not in contact with refrigerant piping or sharp metal edges.
- Check all electrical connections and terminals. *Tighten as needed.*
- Verify that the crankcase heaters have been energized for 24 hours.
- Verify the scroll compressor(s) are rotating in the right direction.
- Verify all accessories are installed and operating correctly.
- Check filters and replace if necessary.
- Verify the installation of the thermostat.



# Start-up Checklist

**Start-Up**  
*(Insert the values as each item is completed.)*

## ELECTRICAL

Supply Voltage	L1 - L2	_____	L2 - L3	_____	L3 - L1	_____
Circuit 1 Compressor Amps	L1	_____	L2	_____	L3	_____
Circuit 2 Compressor Amps	L1	_____	L2	_____	L3	_____
Blower Amps	L1	_____	L2	_____	L3	_____
Condenser Fan Amps	Fan 1	_____	Fan 2	_____	Fan 3	_____

## BLOWER EXTERNAL STATIC PRESSURE

Return Air Static Pressure	_____	IN. W.C.
Supply Air Static Pressure	_____	IN. W.C.
Total External Static Pressure	_____	IN. W.C.
Blower Wheel RPM	_____	RPM

## TEMPERATURES

Outdoor Air Temperature	_____	DB	_____	WB
Return Air Temperature	_____	DB	_____	WB
Cooling Supply Air Temperature	_____	DB	_____	WB
Heating Supply Air Temperature	_____	DB	_____	

## PRESSURES

Gas Inlet Pressure	_____	IN. W.C.		
Gas Manifold Pressure	_____	IN. W.C. (Low Fire)	_____	IN. W.C. (High Fire)
Suction Circuit 1	_____	PSIG	_____	°F
Superheat (Orifice System)			_____	°F
Suction Circuit 2	_____	PSIG	_____	°F
Superheat (Orifice System)			_____	°F
Discharge Circuit 1	_____	PSIG	_____	°F
Subcooling (TXV System)			_____	°F
Discharge Circuit 2	_____	PSIG	_____	°F
Subcooling (TXV System)			_____	°F

## (HEAT PUMP ONLY)

Suction Circuit 1	_____	PSIG	_____	°F
Suction Circuit 2	_____	PSIG	_____	°F
Discharge Circuit 1	_____	PSIG	_____	°F
Discharge Circuit 2	_____	PSIG	_____	°F

#### **CUSTOMER FEEDBACK**

Daikin is very interested in all product comments.

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You can also scan the QR code on the right to be directed to the feedback page.



#### **PRODUCT REGISTRATION**

Thank you for your recent purchase. Though not required to get the protection of the standard warranty, registering your product is a relatively short process, and entitles you to additional warranty protection, except that failure by California and Quebec residents to register their product does not diminish their warranty rights.

For Product Registration, please register by following this link:

<https://daikincomfort.com/owner-support/product-registration>

You can also scan the QR code on the right to be directed to the Product Registration page.



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