engineered for life™

Commercial Renaissance™ Line *Classic*® and *Classic Plus*® Series Packaged Gas Electric Units

RGEC Series

Cooling Efficiencies up to:
RGECYC Classic Plus® Series 3 to 5 Tons: 12.0 EER2 / 16.2 SEER2
RGECYB Classic® Series 3-5 Tons: 10.6 EER2 / 13.4 SEER2
RGECYB Classic® Series 6 Tons: 11.0 EER / 14.6 IEER
Nominal Sizes: 3, 4, 5 & 6 Tons [10.6, 14.0, 17.6 & 21.1 kW]
Cooling Capacities: 34.2k Btu/h to 72.0k Btu/h
Refrigerant Type: R-454B
ASHRAE 90.1 2022 Compliant Models

ISO 9001:2015

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AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Large AC
AHRI Standard 340/360
Certification applies only when the complete system is listed with AHRI.

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RGEC STANDARD FEATURES INCLUDE:

- Factory charged with R-454B refrigerant
- Factory installed refrigerant leak detection system
- Wired and run tested
- Scroll compressors with internal line break overload and high pressure protection
- Convertible airflow – vertical down flow or horizontal side flow
- Forkable base rails for easy handling and lifting
- Cooling operation up to 125°F ambient
- Two-stage gas heat input with direct spark ignition system, solid state furnace controls, and optimized induced draft combustion
- MicroChannel evaporator and condenser coil
- PlusOne® ServiceSmart package includes:
  Qwik-Change Flex-Fit Rack
  Qwik-Slide Blower Assembly
  Qwik-Clean Drain Pan
- Overflow condensate sensor
- PlusOne® Diagnostics with Dual 7-Segment LED Display to meet code compliance
- One-piece top cover and base pan with drawn supply and return opening
- Two-piece control door
- ¼ turn fasteners on filter access door
- Color-coded and labeled wiring
- External lockable gauge ports
- TXV refrigerant metering system
- Solid-core liquid line filter drier
- High pressure and low pressure/loss of charge protection with built-in Smart Logic
- Insulation encapsulated throughout entire unit
- 3-5 Ton RGECYC Models and 6 Ton RGECYB Models include a single 2-Stage compressor
- 3-5 Ton RGECYB Models include a single-stage compressor
- MERV 8 & MERV 13 filters are available as a field-installed accessory
- Standard Modbus interface

LOW GWP Refrigerant

For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in most heating and cooling systems. This new requirement will result in a 78%* lower GWP than previous-generation refrigerants—with only minimal changes to system installation. For us, this is another step toward our ongoing sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort.

**When comparing the GWP of R-454B to R-410A refrigerant.*

FACTORY-INSTALLED OPTIONS:

- Louvered panels
- Hinged access doors
- Stainless steel heat exchanger (20 year warranty)
- Low ambient/freeze stat
- Non-powered convenience outlet
- Unfused disconnect
- Circuit breaker
- Economizer (Title 24 and ASHRAE 90.1 2022 compliant)
- Supply and return smoke detector
- ElectroFin® E-Coat for Microchannel Condenser Coil Coating
- ClearControl™ Direct Digital Control (DDC)
- Comfort Alert® Phase-monitor Protection

FIELD-INSTALLED ACCESSORIES:

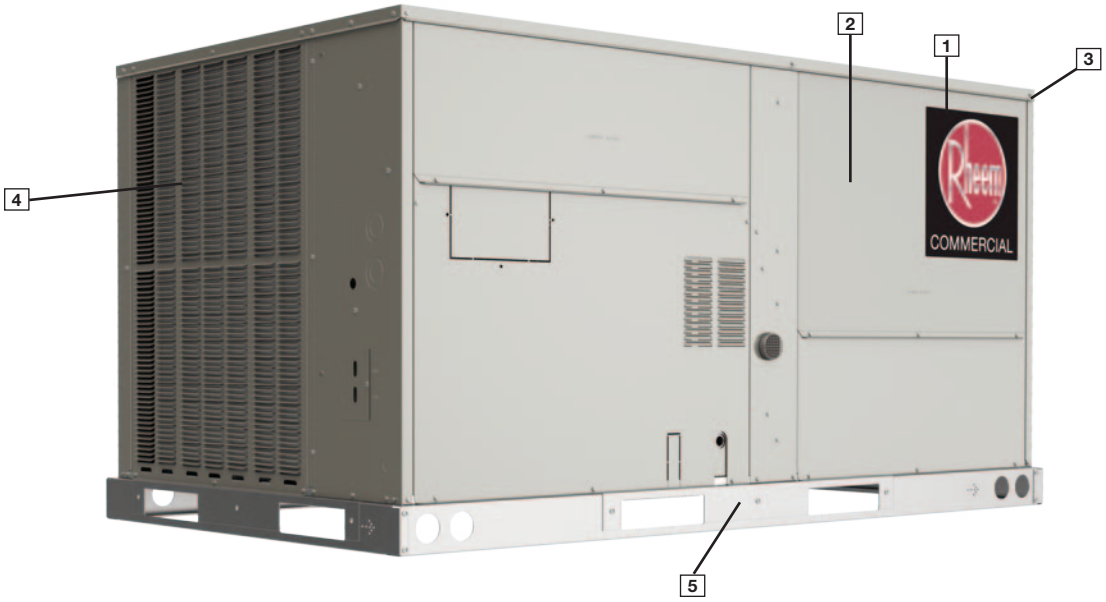
Accessory	Model Number	Factory Installation Available?
Economizers		
DDC Economizer with Single Enthalpy (Downflow) *MicroMetl Economizer with Honeywell Controller*	RXRD-01MCDBM3	No
DDC Economizer with Single Enthalpy (Horizontal) *MicroMetl Economizer with Honeywell Controller*	RXRD-01MCHBM3	No
Non-DDC Economizer with No Controls (Downflow) *MicroMetl Economizer, Belimo Actuator*	RXRD-31MCDAM3	No
Non-DDC Economizer with Single Enthalpy (Downflow) *MicroMetl Economizer with Siemens Controls*	RXRD-11MCDAM3	Yes
Non-DDC Economizer with Single Enthalpy (Downflow) *Ruskin Rooftop Systems Economizer with RRS Basic Controller*	RXRD-41MCDAM3	No
Non-DDC Economizer with Single Enthalpy (Downflow) *Ruskin Rooftop Systems Economizer with Siemens Controls*	RXRD-51MCDAM3	No
Non-DDC Economizer with Single Enthalpy (Horizontal) *MicroMetl Economizer with Siemens Controls*	RXRD-11MCHAM3	No
Non-DDC Economizer with Single Enthalpy (Horizontal) *Ruskin Rooftop Systems Economizer with RRS Basic Controller*	RXRD-41MCHAM3	No
Non-DDC Economizer with Single Enthalpy (Horizontal) *Ruskin Rooftop Systems Economizer with Siemens Controls*	RXRD-51MCHAM3	No
Economizer Universal DDC Interface Kit	RXRX-DDC01	Yes[1]

[1]Does not have to be selected individually. This accessory will be included with the factory installed economizer for a DDC unit if required.

FIELD-INSTALLED ACCESSORIES (CONTINUED):

Accessory	Model Number	Factory Installation Available?
Comfort Alert (1 Phase) DDC	RXRX-AZ03	Yes
Comfort Alert (1 Phase) Non-DDC	RXRX-AZ04	Yes
Comfort Alert (3 Phase) DDC	RXRX-AZ01	Yes
Comfort Alert (3 Phase) Non-DDC	RXRX-AZ02	Yes
Communication Card, BACnet	RXRX-AY01	No
Communication Card, LonWorks	RXRX-AY02	No
Concentric Adapter 3-4 Ton Drop	RXMC-DC01	No
Concentric Adapter 5-6 Ton Drop	RXMC-DC02	No
Concentric Diffuser 3-4 Ton Drop	RXRN-AED1800	No
Concentric Diffuser 5-6 Ton Drop	RXRN-AED2000	No
Concentric Diffuser 3-4 Ton Flush	RXRN-AEF1800	No
Concentric Diffuser 5-6 Ton Flush	RXRN-AEF2000	No
Convenience Outlet, Nonpowered	RXRX-BN01	Yes
Dual Enthalpy Kit DDC (for Honeywell DDC)	RXRX-BV02	No
Dual Enthalpy, Temperature and Humidity Sensor (for Ruskin Basic Controller)	PD955977	No
Dual Enthalpy, Temperature and Humidity Sensor (for Siemens)	PD555460	No
Flue Diverter (RGEC 75K, 100K & 120K)	RXRX-DEG03	No
Freeze Stat Kit	RXRX-AM05	Yes
Fresh Air Damper, Manual	RXRF-ACA1	No
Fresh Air Damper, Motorized	RXRF-ACB1	No
Fresh Air Damper, Motorized (DDC)	RXRF-ACC1	No
Low-Ambient Control Kit	RXRZ-A04	Yes
LP Kit (RGEC 75K, 120K)	RXGJ-FP40	No
LP Kit (RGEC 100K)	RXGJ-FP41	No
MERV 8 Filter	RXMF-M08A21616	No
MERV 13 Filter	RXMF-M13A21616	No
Outdoor Coil Louver Kit	RXRX-ADD04C	Yes

Accessory	Model Number	Factory Installation Available?
Power Exhaust (230V) Vertical *MicroMetl*	RXRX-CCF02C	No
Power Exhaust (460V) Vertical *MicroMetl*	RXRX-CCF02D	No
Power Exhaust (230V) Horizontal *MicroMetl*	RXRX-CCF03C	No
Power Exhaust (460V) Horizontal *MicroMetl*	RXRX-CCF03D	No
Power Exhaust (230V) Vertical *Ruskin Rooftop Systems*	RXRX-RCF02C	No
Power Exhaust (460V) Vertical *Ruskin Rooftop Systems*	RXRX-RCF02D	No
Power Exhaust (575V) Vertical *Ruskin Rooftop Systems*	RXRX-RCF02Y	No
Power Exhaust (230V) Horizontal *Ruskin Rooftop Systems*	RXRX-RCF03C	No
Power Exhaust (460V) Horizontal *Ruskin Rooftop Systems*	RXRX-RCF03D	No
Power Exhaust (575V) Horizontal *Ruskin Rooftop Systems*	RXRX-RCF03Y	No
Roofcurb, 14"	RXKG-DCC14	No
Roofcurb, 14" Welded	RXKG-DC14	No
Roofcurb, 24"	RXKG-DCC24	No
Roofcurb, 24" Welded	RXKG-DC24	No
Roofcurb Adapter	RXRX-DCCAE	No
Sensor, Carbon Dioxide (Wall Mount)	RXRX-AR02	No
Sensor, Room Humidity	RHC-ZNS4	No
Sensor, Room Temperature and Relative Humidity	RHC-ZNS5	No
Smoke Detector, Return (Field kit)	RXRX-BS01	No
Smoke Detector, Return/ Supply (Field kit)	RXRX-BS02	No
Unfused Service Disconnect	RXRX-BP01	Yes
UV-C Kit 208V/230V	RXRX-UVC22C	No
UV-C Transformer 460V/575V	RXRX-UVCTC	No



Cabinet and Foundation

Outwardly, the large *Rheem® Commercial Series* label **(**1**)** identifies the brand to the customer. The sheet-metal cabinet **(**2**)** uses 18-gauge material for structural components with an underlying coat of G90. To ensure the leak-proof integrity of these units, the design utilizes a one-piece top with a 1/8" drip lip **(**3**)** as well as gasket-protected panels and screws. The Rheem hail guard (optional) **(**4**)** sets the standard for coil protection in the industry. Electro deposition, baked-on enamel that is tested to withstand a rigorous 1000-hour salt spray test, per ASTM B117.

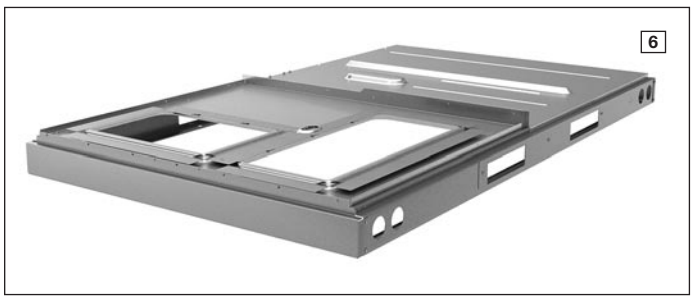
Anything built to last must start with the right foundation. Following that model, the foundation is comprised of 14-gauge, commercial-grade, full perimeter base rails **(**5**)** that integrate fork slots and rigging holes to save set-up time on the job site.

Easy Installation

The Renaissance line features a footprint that simplifies the replacement process by eliminating the need for a new curb adapter and being able to match inlet, outlet and electrical connections of the most common/industry-standard configurations.

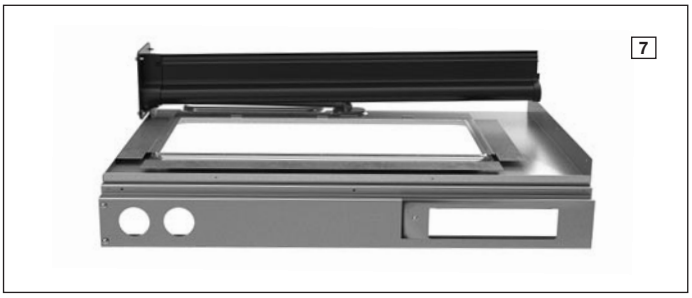
Base Pan

The base pan is stamped to form a 7/8" flange around the supply and return cover, which eliminates the worry of water entering the conditioned space **(**6**)**. All insulation is secured with both adhesive and mechanical fasteners, and all edges are hidden.



Drain Pan

The Qwik-Clean Drain Pan **(**7**)** is made from a composite material that resists the growth of harmful bacteria. With both side and center drain options, the drain pan slides out completely for easy cleaning. It also features a standard overflow switch.



Test Standards

During development, each unit was tested to U.L. 60335-2-40, AHRI 210/240 (3-5 ton) or AHRI 340/360 (6 ton), as well as other Rheem-required reliability tests. Rheem adheres to stringent ISO 9001 quality procedures, and each unit bears the U.L. and AHRI certification labels located on the unit nameplate. Contractors can be assured that when a Rheem packaged unit arrives at the job, it is ready to go with a factory charge and quality checks.

Easy Access

All major compartments are easily accessible from the front of the unit: the electrical compartment, blower compartment, heating section, and outdoor section. Each compartment has mechanical fasteners. Panels are permanently embossed with the compartment name (e.g. control/filter access, blower access, and electric heat access). The filter compartment is accessed through a large, mechanically fastened panel. Information is readily available on the outside of the panel, with a nameplate that contains the model and serial numbers, electrical data, and other important unit information. Hinged access is available as an option for the electrical, blower, and filter compartments.

Charging Charts, Wiring Diagrams, & Labels

The unit charging chart is located on the outside of the compressor access panel. Electrical wiring diagrams are found on the control box cover, which allows contractors to move them to more readable locations. The model and serial numbers are located on the right of the control box. Having this information on the inside means easier model identification for the life of the product. The production line quality test assurance label is also placed in this location **(8)**.

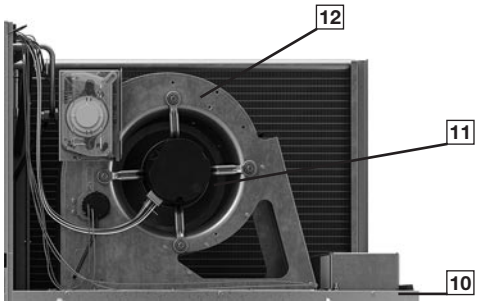
Filter Rack

Located within the filter compartment, the Qwik-Change Flex-Fit Rack **(9)** allows easy changeover between 2" and 4" standard size and readily available filters.

Blower Assembly

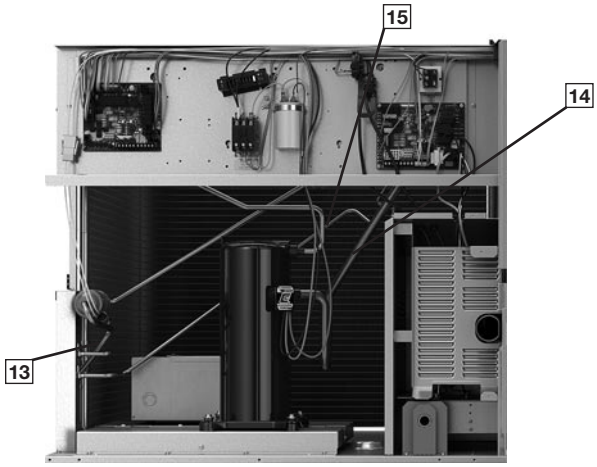
Removing three screws provides full access to the blower compartment. Inside, the Qwik-Slide Blower Assembly **(10)** is incredibly easy to access and remove. This makes servicing internal components such as blower motor, TXV, and microchannel coil much easier. The entire assembly slides out by removing the 3/8" screws from the blower retention bracket.

Where the demands for the job require high static, Rheem offers drives that deliver nominal airflow up to 1.5" of static. By referring to the airflow performance tables listed in the installation instructions, proper static pressure and CFM requirements can be dialed in. The scroll housing **(12)** and blower scroll provide quiet and efficient airflow.



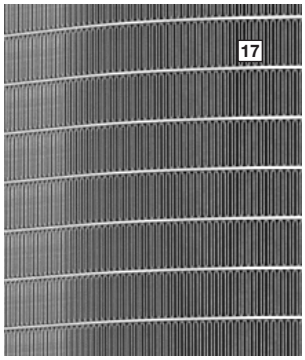
High and Low Pressure Switches & Freeze Stat

High pressure **(13)** and low pressure **(14)** switches are standard. They are located in the outdoor section along with the low-ambient control **(15)**. The optional Freeze Stat **(16)** (standard on models with ClearControl), is clipped onto the suction line in the blower compartment. The low ambient control allows the compressor to operate down to 0 degrees ambient temperature by cycling the outdoor fans on high pressure. The high-pressure switch shuts off the compressors if pressures exceeding 610 PSIG are detected. The low-pressure switch shuts off the compressors if low pressure is detected due to loss of charge. Built-in Smart Logic reduces nuisance calls by only shutting off compressors after the third detection. The freeze stat protects the compressor if the evaporator coil gets too cold (below freezing) due to low airflow.



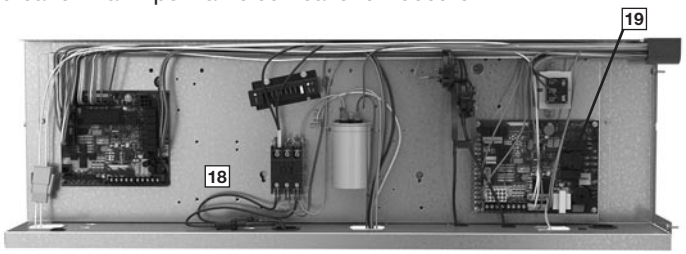
MicroChannel Evaporator & TXV

The Microchannel Evaporator **(17)** is accessible through the blower compartment, and through the filter rack, to simplify cleaning. The evaporator uses microchannel technology for maximum heat transfer, light weight, fewer manually brazed connections and reduced refrigerant charge. The TXV metering device maintains superheat over a wide range of varying temperatures optimizing unit performance for all conditions.



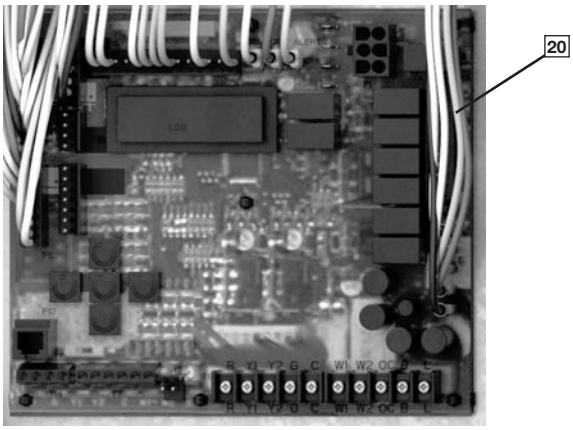
Control Box

Inside the control box **(18)**, each electrical component is clearly labeled; that label matches the component to the wire diagram for ease of trouble shooting. All wiring is numbered on each end of the termination and is color-coded to match the wiring diagram. The integrated furnace control, incorporates the PlusOne® Diagnostics: Dual 7-Segment LED Display **(19)** with easy-to-understand fault codes. The control transformer has a low voltage circuit breaker that trips if an electrical short occurs.



ClearControl DDC System

The optional ClearControl Direct Digital Control (DDC) system consisting of a rooftop unit controller, temperature sensors, and pressure sensors, allows real-time monitoring and communication between rooftop units. The Rooftop Unit Controller (RTU-C) that is factory mounted and wired into the control panel. The RTU-C is a solid-state, microprocessor-based control board that provides flexible control and extensive diagnostics for all unit functions. The RTU-C, using proportional/integral control algorithms, performs specific unit functions that govern unit operation in response to zone conditions, system temperatures, system pressures, ambient conditions, and electrical inputs. The RTU-C features a 16 x 2 character LCD display and a five-button keypad for local configuration and direct diagnosis of the system **(20)**. Features include a clogged filter switch (CFS), fan proving switch (FPS), return air temperature sensor (RAT), discharge air temperature sensor (DAT), and outdoor air temperature sensor (OAT). Freeze sensors (FS) are used in place of freeze stats to allow measurement of refrigerant suction line temperatures.



The RGEC Gas Electric with the RTU-C is specifically designed to be applied in four distinct applications:

1. **BACnet Communication —** The RGEC is compatible with a third party building management system that supports the BACnet Application Specific Controller device profile, with the use of a field-installed BACnet Communication Module. The BACnet Communication Module plugs onto the unit RTU-C controller and allows communication between the RTU-C and the BACnet MSTP network. A zone sensor, a BACnet network zone sensor, a BACnet thermostat, or DDC controller may be used to send the zone temperature or thermostat demands to the RTU-C. The BACnet Communication Module is compatible with MSTP EIA-485 daisy chain networks communicating at 38.4 bps. It is compatible with twisted pair, shielded cables.

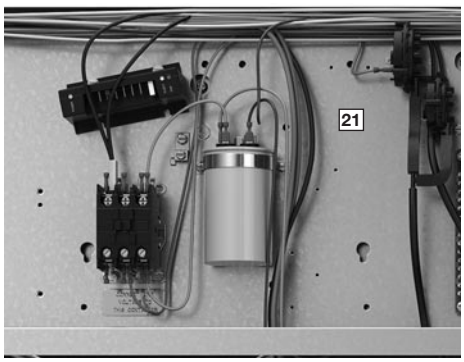
2. **LonWorks Communication —** The RGEC is compatible with a third party building management system that supports the LonMark Space Comfort Controller (SCC) functional profile or LonMark Discharge Air Controller (DAC) functional profile. This is accomplished with a field-installed LonMark communication module. The LonMark Communication Module plugs onto the RTU-C controller and allows communication between the RTU-C and a LonWorks network. A zone sensor, a LonTalk network zone sensor, or a LonTalk thermostat or DDC controller may be used to send the zone temperature or thermostat demands to the RTU-C. The LonMark Communication Module utilizes an FTT-10A free topology transceiver communicating at 78.8 kbps. It is compatible with Echelon qualified, twisted pair cable, Belden 8471, or NEMA Level 4 cables. The module can communicate up to 1640 feet with no repeater. The LonWorks limit of 64 nodes per segment applies to this device.

3. **24V Thermostat Compatibility —** The RGEC is compatible with a programmable 24 volt thermostat. Connections are made via conventional thermostat screw terminals. Extensive unit status and diagnostics are displayed on the LCD screen of the RTU-C.

4. **Zone Sensor Compatibility —** The RGEC is compatible with a zone sensor and a mechanical or solid state time clock connected to the RTU-C. Extensive unit status and diagnostics are displayed on the LCD screen of the RTU-C.

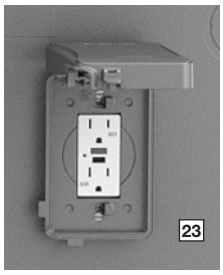
Comfort Alert

A factory or field-installed Comfort Alert **(21)** module is available for power phase-monitoring protection and additional compressor diagnostics. The alarms can be displayed on the RTU-C display, through the (BAS) network, or connected to the “L-Terminal” of a thermostat for notification.



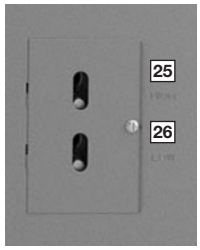
Convenience Outlet, Disconnect, & Circuit Breaker

The convenience outlet option comes non-powered from the factory **(**23**)**, disconnect **(**24**)** and circuit breakers are available. Low and high voltage can enter from the side or through the base. Low-voltage connections are made through the low-voltage terminal strip. For ease of access, the U.L.-required low voltage barrier can be temporarily removed for low-voltage termination and then reinstalled. The high-voltage connection is terminated at the number 1 compressor contactor. The suggested mounting for the field-installed disconnect or circuit breaker is on the exterior side of the electrical control box.



External Lockable Gauge Ports

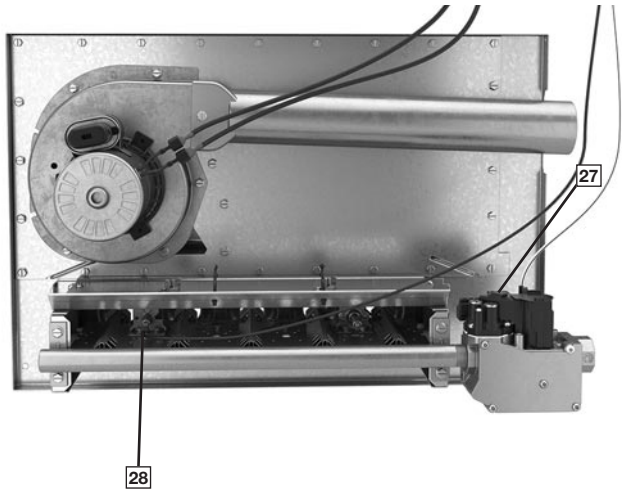
To the right left of the compressor compartment are the externally mounted lockable gauge ports. They are permanently identified by embossed lettering that identifies the compressor circuit, high pressure connection, **(**25**)** and low pressure connection **(**26**)**. Because the gauge ports are mounted externally, an accurate diagnostic of system operation can be performed without removing access panels. The plastic caps on the Shrader fitting ensure the gauge ports are leak proof, and the red cover on the caps indicates that this unit is charged with A2L refrigerant.



Furnace & Gas Heat Exchanger

The furnace compartment contains the latest technology on the market. Each furnace is equipped with a two-stage gas valve **(**27**)** to provide two stages of gas heat input. The first stage operates at 70% of the second stage (full fire), 81% steady state efficiency is maintained. Stainless steel heat exchangers can be factory installed for those applications that have high fresh-air requirements or in applications with corrosive environments. The direct spark igniter **(**28**)** ensures reliable ignition in the most adverse conditions. This is coupled with remote flame sensor so the flame is carried across the entire length of the burner assembly. Gas supply can be routed from the side or up through the base. Each furnace has the following safety devices to ensure consistent and reliable operation after ignition:

- Stainless steel heat exchanger warranty increases from 10 years to 20 years.
- Pressures switches to ensure adequate combustion airflow before ignition.
- Rollout switches to prevent obstruction or cracks in the heat exchanger.
- A limit device to protect the furnace from over-temperature problems.



Compressor

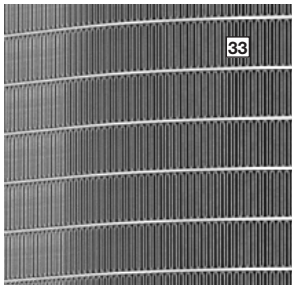
The compressor compartment houses the heartbeat of the unit. The scroll compressor **(30)** is known for its long life and for reliable, quiet, and efficient operation. The suction and discharge lines are designed with shock loops **(31)** to absorb the strain and stress that the starting torque, steady state operation, and shut-down cycle impose on the refrigerant tubing. 3-5 ton YB units include one single-stage compressor, and 6 ton YB units and 3-5 ton YC units include one two-stage compressor.

Condenser Fans

The condenser fan motor **(32)** can easily be accessed and maintained through the top of the unit. A down-mount fan provides corrosion protection and easy removal. The polarized plug connection allows the motor to be changed quickly and eliminates the need to snake wires through the unit.

MicroChannel Condenser Technology

The outdoor coil uses the latest microchannel technology **(33)** for the most effective method of heat transfer. The outdoor coil is protected by optional louvered panels, which allow unobstructed airflow while protecting the unit from both the environment and vandalism.



Coil Coating

Every unit offers the option of factory-applied ElectroFin® E-Coat condenser coating **(34)** that delivers superior corrosion resistance for outdoor coils to operate in the harshest of environments.

Economizer and Dampers

Each unit is designed for both down flow or horizontal applications **(35)** for job configuration flexibility. The return air compartment can also contain an economizer. Each unit is pre-wired for the economizer to allow quick, plug-in installation. Available as a factory-installed option, the economizer provides free cooling when outdoor conditions are suitable and also provides fresh air to meet local requirements. It comes standard with single enthalpy controls, which can be upgraded to dual enthalpy easily in the field. The economizer control has a minimum position set point, an outdoor-air set point, a mixed-air set point, and a CO_2 set point. Barometric relief is standard on all economizers.

Power Exhaust is easily field-installed. The power exhaust is housed in the barometric relief opening and is easily slipped in with a plugin assembly. The wire harness to the economizer also has accommodations for a smoke detector.

The damper minimum position, actual damper position, power exhaust on/off set point, mixed air temperature limit set point, and Demand Controlled Ventilation (DCV) set point can be read and adjusted at the unit controller display or remotely through a network connection. The space CO_2 level, mixed air temperature, and Economizer Status (free cooling available, single or dual enthalpy) can be read at the unit controller display or remotely through a network connection. Economizer faults will trigger a network alarm and can be read at the unit controller display or remotely through a network connection.

Roofcurb

The Rheem roofcurb **(36)** is made for tool-less assembly at the jobsite by engaging tabs in slots of adjacent curb sides, which makes the assembly process quick and easy.

Refrigerant Leak Detection

In the event of a detected refrigerant leak, the refrigerant leak detection sensor will trigger mitigation procedure that shuts off the compressor(s) and turns on the indoor blower motor.

The sensor is installed on the bracket facing the filter rack. From the outside of the unit, the sensor is not visible.

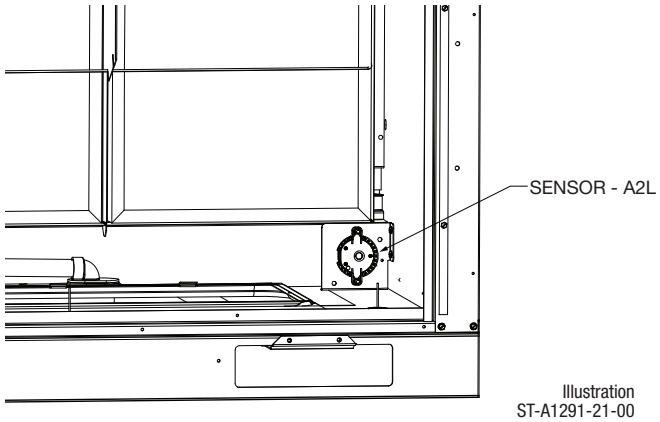


Illustration
ST-A1291-21-00

HUMIDIDRY DEHUMIDIFICATION SYSTEM

With the factory-installed dehumidification option, in addition to a thermostat or space temperature sensor that is normally present, an indoor relative humidity sensor is installed in the occupied space and connected to the Rooftop Unit Controller (RTU-C) which then controls the capacity of the cooling coil to remove moisture from the supply air and maintain space relative humidity below an adjustable limit visible on the RTU-C display. The default value is the ASHRAE recommended limit of 60% RH. With this option, a refrigerant reheat coil is installed downstream from the evaporator coil. When the space humidity is too high and reheat is energized, this coil uses some of the heat that is normally rejected to the outside by the condenser coil to instead reheat the cold air from the evaporator coil just enough to avoid overcooling and providing “neutral air” to the occupied space. On a two-stage system, it is possible for both a thermostat and humidistat to register readings above set point. Under this condition, the system runs in the high stage dehumidification cycle, and the VFD operates on high speed. This provides dry conditioned air.

Because the demand for dehumidification can be different from the cooling demand, the unit will first satisfy the demand for cooling and then if the space humidity is still too high, dehumidification mode is energized. When in dehumidification mode, the supply air leaving the unit will be near the entering air temperature, but at a much lower humidity. The unit will exit the dehumidification mode when the humidity set point is satisfied; or if the load is increased, it will return to normal cooling mode. Reheat is not available during the gas-heating mode.

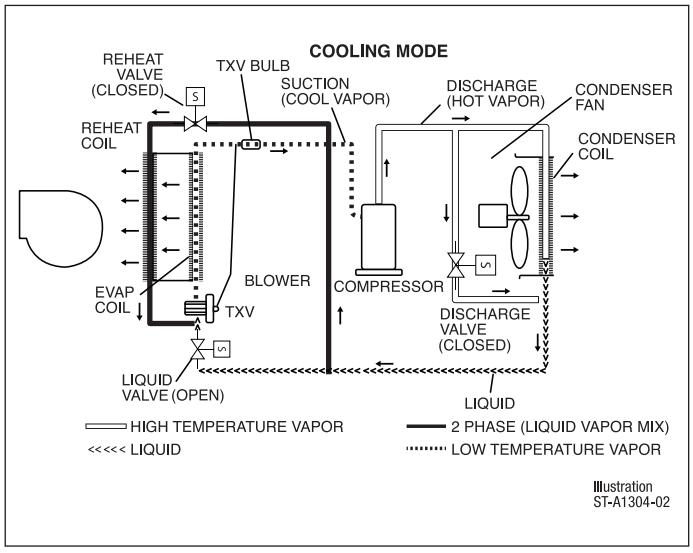


Figure 1 shows the refrigerant path during the normal cooling mode. The liquid refrigerant leaves the TXV with the sudden pressure drop causing the liquid to expand to a vapor and absorbing the heat from the supply air going through the evaporator coil. The refrigerant vapor then travels to the compressor where it is elevated to a higher pressure and temperature. The superheated refrigerant vapor next carries the heat to the outside coil where the heat is then rejected and the refrigerant condenses into a subcooled liquid where the process repeats itself.

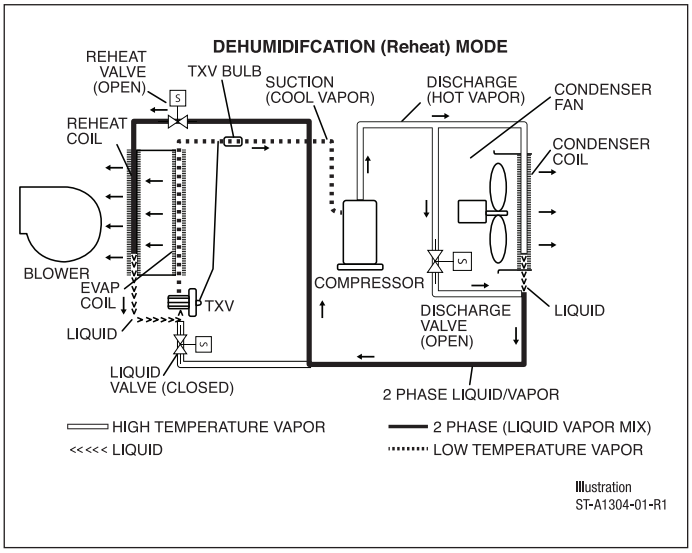


Figure 2 shows the refrigerant path during the reheat mode. When the reheat cycle is energized by the RTU-C, the reheat solenoid valve, upstream of the reheat coil opens. The liquid solenoid valve ahead of the TXV, closes. The discharge solenoid valve, in the compressor discharge line, opens. The liquid refrigerant leaves the TXV with the sudden pressure drop causing the liquid to expand to a vapor and absorbing the heat from the supply air going through the evaporator coil. The refrigerant vapor then travels to the compressor where it is elevated to a higher pressure and temperature. The refrigerant next carries the heat to a parallel path between the outside condenser coil and a bypass circuit. Some of the heat is rejected outdoor. The ratio of heat rejected outdoors versus indoors is controlled by an outdoor fan motor controller (OFMC) that monitors the two-phase temperature and varies the fan speed. This 2-phase refrigerant vapor is then sent to the reheat coil. As the refrigerant travels through the reheat coil it condenses into a subcooled liquid where the process repeats itself.

R	GE	C	Y	B	036	A	C	T	10		2	A	A	***		
1	23	4	5	6	789	10	11	12	13	14	15	16	17	18	19	20

1—Brand
R = Rheem

2, 3—Unit Type
GE = Packaged Gas Electric

4—Cabinet Type
C = Small Commercial

5—Refrigerant
Y = R-454B

6—Efficiency Level
B = Standard Efficiency
C = High Efficiency

7, 8, 9—Capacity
036 = 3 Ton
048 = 4 Ton
060 = 5 Ton
072 = 6 Ton[1]

10—Major series
A = 1st Design

11—Voltage
J = 1 PH, 208-230 V, 60 Hz[2]
C = 3 PH, 208-230 V, 60 Hz
D = 3 PH, 460 V, 60 Hz
Y = 3 PH, 575 V, 60 Hz[3]

12—Drive
T = Direct Drive Standard Static Constant Torque
U = Direct Drive High Static Constant Torque[4]

13, 14—Heat Capacity
07 = 75,000 Btu/h
10 = 100,000 Btu/h
12 = 125,000 Btu/h

15—Heat Configuration
2 = 2 Stage
B = 2 Stage Stainless

16—Control
A = CoreCommand™ (Non-Communicating)
B = CoreCommand & Comfort Alert®
C = ClearControl™ (DDC)
D = ClearControl (DDC) & Comfort Alert

17—Minor series
A = 1st Design

18, 19, 20—Option Code
See next page

NOTES:

1. 6 ton units are only available with Standard Efficiency.
2. J Voltage is not available for 24 kW Heat Capacity or on 6 ton models.
3. Y voltage is not available on HumidiDry® models or High Efficiency (RGECYC) models.
4. U drive is not available with J voltage.

FACTORY-INSTALLED OPTION CODES FOR RGEC (3 TO 6 TON)

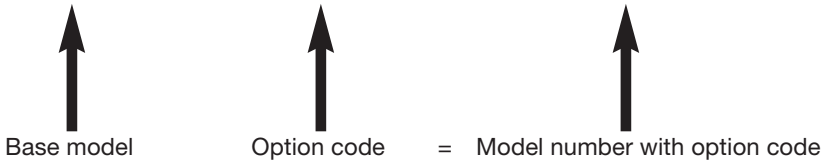
18					19				20			
LV = Louver protection					LF = Low Ambient/Freeze Stat				EC = Downflow Economizer			
RH[1] = HumidiDry/HGRH (Hot Gas Reheat)					NP = Non-powered Convenience Outlet				SS = Supply Smoke Detector			
HA = Hinged Access					DC = Disconnect Switch				RS = Return Smoke Detector			
CC = Coil Coating												
Option code character highlighted below												
A	None				**A**	None			**0**	None		
B	LV				**B**	LF			**1**	EC		
C	HA				**C**	NP			**2**	RS		
D	LV	HA			**D**	LF	NP		**3**	EC	RS	
E	LV	CC			**E**	DC			**4**	SS	RS	
F	LV	HA	CC		**F**	LF	DC		**5**	EC	SS	RS
N	RH				**H**	NP	DC					
P	LV	RH			**K**	LF	NP	DC				
Q	RH	HA										
R	LV	RH	CC									
S	LV	RH	HA									
T	LV	RH	HA	CC								

[1]RH Models with DDC Controls must include Low Ambient/Freeze Stat (LF)

Instructions for Factory-Installed Option(s) Selection

Note: Three characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, “AAO” follows the model number.

- **Step 1:** In the table above, based on the desired features, choose option code character from highlighted options on the left side under the number 18. For example, the option code character “E” has Louver protection and Coil Coating.
- **Step 2:** In the table above, based on the desired features, choose option code character from highlighted options on the left side under the number 19. For example, the option code character “F” has Low Ambient / Freeze Stat and Disconnect switch.
- **Step 3:** In the table above, based on the desired features, choose option code character from highlighted options on the left side under the number 20. For example, the option code character “3” has Economizer and Return Smoke Detector.
- The resulting option code from examples above is: “EF3”
- **Step 4:** Add your option code selection to the end of model number
  - Example: RGECYB036ACT072AA EF3 = RGECYB036ACT072AAEF3



To select an RGEC Cooling and Heating unit to meet a job requirement, follow this procedure, with example, using data supplied in this specification sheet.

1. DETERMINE COOLING AND HEATING REQUIREMENTS AND SPECIFIC OPERATING CONDITIONS FROM PLANS AND SPECS.

Example:

Voltage—	230 V – 3 Phase – 60 Hz
Total Cooling Capacity—	47,000 Btu/h [13.8 kW]
Sensible Cooling Capacity—	36,000 Btu/h [10.6 kW]
Heating Capacity—	75,000 Btu/h [22 kW]
*Condenser Entering Air—	95°F [35.0°C] DB
*Evaporator Mixed Air Entering—	67°F [19.4°C] WB
	78°F [25.6°C] DB
*Indoor Air Flow (vertical)—	1600 CFM [755 L/s]
*External Static Pressure—	0.6 in. WG [.15 kPa]

2. SELECT UNIT TO MEET COOLING REQUIREMENTS.

Since total cooling is within range of a nominal 4-ton unit, use the cooling performance table at 95°F DB condenser inlet air. Interpolate between 1730 CFM [816 L/s] and 1400 CFM [660 L/s] to determine total and sensible capacity and Depression Ratio for inlet air at 1600CFM [755 L/s] indoor airflow (table basis)

Interpolation Formula:

$$kBtu/h_1 + \left[(CFM - CFM_1) \times \left(\frac{kBtu/h_2 - kBtu/h_1}{CFM_2 - CFM_1}\right)\right] = kBtu/h$$

Total Cooling Capacity:

$$46{,}800 + \left[(1{,}600 - 1{,}730) \times \left(\frac{45{,}200 - 46{,}800}{1{,}400 - 1{,}730}\right)\right] = 46{,}170 \text{ Btu/h}$$

Total Cooling Capacity = 46,170 Btu/h [13.5 kW]
Sensible Cooling Capacity = 33,7400 Btu/h [9.9 kW]
DR = 0.2

When the entering dry bulb temperature (dbE) is not 80°F [26.7°C], the sensible capacity needs to be adjusted.
Note: total capacity is unaffected

Sensible Capacity Depression Formula:

$Cap_{sensible}$ + [1.10 x CFM x (1 – DR) x (dbE – 80)]

= 30,924 + [1.10 x 1,600 x (1 – 0.2) x (78 – 80)]
Sensible Cooling Capacity = 30,924 Btu/h [9.1 kW]

3. DETERMINE BLOWER SPEED AND BHP TO MEET SYSTEM DESIGN.

Total ESP (external static pressure) per the spec of 0.6 in WG [.15 kPa] includes the system duct and grilles. Add from the table “Component Air Resistance,” 0.13 in. WG [0.04 kPa] for wet coil. Using the “Airflow Performance Table”, at the specified 1,600 CFM and 0.7 in. WG [0.17 kPa] ESP, determine blower wattage.

CFM = 1564
Watts = 440
Tap = 5

4. CALCULATE INDOOR BLOWER Btu/h HEAT EFFECT FROM MOTOR BHP IN STEP 3.

Assuming an average of 85% motor efficiency, determine the amount of heat generated by the blower motor at the specified CFM and ESP by dividing the watts used by the motor efficiency and solving for the difference. Convert this value from watts to Btu/h, multiplying by 3.41 Btu/h/Watt

Watts = 440
Avg. Motor Efficiency = 85%

$$\text{Indoor Blower Motor Heat} = \left[\left(\frac{\text{Watts}}{0.85}\right) - \text{Watts}\right] \times 3.41$$

= [(440/0.85)–440] x 3.41 = 77.6 Btu/h [0.02 kW]

5. CALCULATE THE NET COOLING CAPACITIES

Net cooling capacities can be calculated by subtracting the motor heat from the gross cooling capacities.

Net Total Capacity = Gross Total Capacity – Indoor Blower Motor Heat

= 46,170 – 77 = 46,093 Btu/h [13.5 kW]

Net Sensible Capacity = Gross Sensible Capacity – Indoor Blower Motor Heat

= 30,924 – 77 = 30,847 Btu/h [9.0 kW]

6. SELECT UNIT HEATING CAPACITY

For Gas Heating, choose the gas heat capacity that closest matches the specified heat capacity requirements. In this selection, the 75,000 BTU input is selected.

7. CHOOSE MODEL RGECYB048ACT07

[ ] Designates Metric Conversions

GENERAL DATA—RGECYB MODELS—3–6 TON [10.6–21.1 kW]

Model RGECYB Series	036ACT 036ADT 036AJT	036ACU	036ADU	036AYT	036AYU
Cooling Performance[A]					CONTINUED →
Cooling Capacity Btu/h [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
EER2/SEER2[B]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	1,200/1,175 [566/555]	1,200/1,175 [566/555]	1,200/1,175 [566/555]	1,200/1,175 [566/555]	1,200/1,175 [566/555]
AHRI Net Cooling Capacity Btu/h [kW]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]
Net Sensible Capacity Btu/h [kW]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]
Net Latent Capacity Btu/h [kW]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]
Net System Power kW	2.7	2.7	2.7	2.7	2.7
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[C]	78	78	78	78	78
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4,250 [2,006]	4,250 [2,006]	4,250 [2,006]	4,250 [2,006]	4,250 [2,006]
No. Motors/HP	1 at 1/5	1 at 1/5	1 at 1/5	1 at 1/5	1 at 1/5
Motor RPM	850	850	850	850	850
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	3/4	1 1/2	1	3/4	1 1/2
Motor RPM	1050	1050	1050	1050	1050
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	72 [2041]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Reheat Models	101 [2860]	101 [2860]	101 [2860]	101 [2860]	101 [2860]
Weights					
Net Weight lbs. [kg]	556 [252]	562 [255]	562 [255]	606 [275]	612 [278]
Ship Weight lbs. [kg]	594 [269]	600 [272]	600 [272]	644 [292]	650 [295]

See Page 22 for Notes.

[ ] Designates Metric Conversions

GENERAL DATA—RGECYB MODELS—3–6 TON [10.6–21.1 kW]

Model RGECYB Series	048ACT 048ADT 048AJT	048ACU	048ADU	048AYT	048AYU
Cooling Performance[A]					CONTINUED →
Cooling Capacity Btu/h [kW]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]
EER2/SEER2[B]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	1,600/1,570 [755/741]	1,600/1,570 [755/741]	1,600/1,570 [755/741]	1,600/1,570 [755/741]	1,600/1,570 [755/741]
AHRI Net Cooling Capacity Btu/h [kW]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]
Net Sensible Capacity Btu/h [kW]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]
Net Latent Capacity Btu/h [kW]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]
Net System Power kW	3.8	3.8	3.8	3.8	3.8
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[C]	85.3	85.3	85.3	85.3	85.3
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
No. Motors/HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP
Motor RPM	1075	1075	1075	1075	1075
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	3/4	1 1/2	1	3/4	1 1/2
Motor RPM	1050	1050	1050	1050	1050
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	67 [1899]	67 [1899]	67 [1899]	67 [1899]	67 [1899]
Reheat Models	110 [3120]	110 [3120]	110 [3120]	110 [3120]	110 [3120]
Weights					
Net Weight lbs. [kg]	583 [264]	589 [267]	589 [267]	633 [287]	639 [290]
Ship Weight lbs. [kg]	621 [282]	627 [284]	627 [284]	671 [304]	677 [307]

See Page 22 for Notes.

[ ] Designates Metric Conversions

GENERAL DATA—RGECYB MODELS—3–6 TON [10.6–21.1 kW]

Model RGECYB Series	060ACT 060ADT 060AJT	060ACU	060ADU	060AYT	060AYU
Cooling Performance[A]					CONTINUED →
Cooling Capacity Btu/h [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER2/SEER2[B]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	2,000/1,825 [944/861]	2,000/1,825 [944/861]	2,000/1,825 [944/861]	2,000/1,825 [944/861]	2,000/1,825 [944/861]
AHRI Net Cooling Capacity Btu/h [kW]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]
Net Sensible Capacity Btu/h [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu/h [kW]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]
Net System Power kW	5.0	5.0	5.0	5.0	5.0
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[C]	86	86	86	86	86
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.63 [16]	0.63 [16]	0.63 [16]	0.63 [16]	0.63 [16]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.66 [1.55]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	7.47 [0.69]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
No. Motors/HP	1 at 1/2	1 at 1/2	1 at 1/2	1 at 1/2	1 at 1/2 HP
Motor RPM	1075	1075	1075	1075	1075
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	1	1 1/2	1 1/5	1	1 1/2
Motor RPM	1050	1050	1050	1050	1050
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	80 [2268]	80 [2268]	80 [2268]	80 [2268]	80 [2268]
Reheat Models	105 [2980]	105 [2980]	105 [2980]	105 [2980]	105 [2980]
Weights					
Net Weight lbs. [kg]	586 [266]	592 [269]	592 [269]	636 [288]	642 [291]
Ship Weight lbs. [kg]	624 [283]	630 [286]	630 [286]	674 [306]	680 [308]

See Page 22 for Notes.

[ ] Designates Metric Conversions

GENERAL DATA—RGECYB MODELS—3–6 TON [10.6–21.1 kW]

Model RGECYB Series	072ACT 072ADT	072ACU 072ADU	072ADU	072AYT	072AYU
Cooling Performance[A]					CONTINUED →
Cooling Capacity Btu/h [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
EER/IEER[B,D]	11.2/14.8	11.2/14.8	11.2/14.8	11.2/14.8	11.2/14.8
Nominal CFM/AHRI Rated CFM [L/s]	2,400/2,400 [1,133/1,133]	2,400/2,400 [1,133/1,133]	2,400/2,400 [1,133/1,133]	2,400/2,400 [1,133/1,133]	2,400/2,400 [1,133/1,133]
AHRI Net Cooling Capacity Btu/h [kW]	68,500 [20.08]	68,500 [20.08]	68,500 [20.08]	68,500 [20.08]	68,500 [20.08]
Net Sensible Capacity Btu/h [kW]	51,500 [15.09]	51,500 [15.09]	51,500 [15.09]	51,500 [15.09]	51,500 [15.09]
Net Latent Capacity Btu/h [kW]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]
Net System Power kW	6.2	6.2	6.2	6.2	6.2
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[C]	85	85	85	85	85
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	7.47 [0.69]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
No. Motors/HP	1 at 3/4	1 at 3/4	1 at 3/4	1 at 3/4	1 at 3/4
Motor RPM	1100	1100	1100	1100	1100
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5
Motor RPM	1300	1300	1300	1300	1300
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	85 [2410]	85 [2410]	85 [2410]	85 [2410]	85 [2410]
Reheat Models	123 [3490]	123 [3490]	123 [3490]	123 [3490]	123 [3490]
Weights					
Net Weight lbs. [kg]	586 [266]	592 [269]	592 [269]	636 [288]	642 [291]
Ship Weight lbs. [kg]	624 [283]	630 [286]	630 [286]	674 [306]	680 [308]

See Page 22 for Notes.

[ ] Designates Metric Conversions

GENERAL DATA—RGECYC MODELS—3–5 TON [10.6–17.6 kW]

Model RGECYC Series	036AJT	036ACT	036ACU	036ADT	036ADU
Cooling Performance[A]					CONTINUED →
Cooling Capacity Btu/h [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
EER2/SEER2[B]	12/16.2	12/16.2	12/16.2	12/16.2	12/16.2
Nominal CFM/AHRI Rated CFM [L/s]	1,200/1,055 [566/498]	1,200/1,055 [566/498]	1,200/1,055 [566/498]	1,200/1,055 [566/498]	1,200/1,055 [566/498]
AHRI Net Cooling Capacity Btu/h [kW]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]
Net Sensible Capacity Btu/h [kW]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]
Net Latent Capacity Btu/h [kW]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]
Net System Power kW	3.23	3.23	3.23	3.23	3.23
Compressor					
No./Type	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll
Outdoor Sound Rating (dB)[C]	79	79	79	79	79
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.72 [1.55]	16.72 [1.55]	16.72 [1.55]	16.72 [1.55]	16.72 [1.55]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	7.49 [0.69]	7.49 [0.69]	7.49 [0.69]	7.49 [0.69]	7.49 [0.69]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2	Direct/2
CFM [L/s]	4,850 [2,289]	4,850 [2,289]	4,850 [2,289]	4,850 [2,289]	4,850 [2,289]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	800/440	800/440	800/440	800/440	800/440
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	3/4	3/4	1.5	3/4	1
Motor RPM	1050	1050	1400	1050	1050
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	66 [1871.1]	66 [1871.1]	66 [1871.1]	66 [1871.1]	66 [1871.1]
Reheat Models	106 [3010]	106 [3010]	106 [3010]	106 [3010]	106 [3010]
Weights					
Net Weight lbs. [kg]	561.1 [254.5]	560.1 [254.1]	560.1 [254.1]	558.7 [253.4]	558.7 [253.4]
Ship Weight lbs. [kg]	599.1 [271.7]	598.1 [271.3]	598.1 [271.3]	596.7 [270.7]	596.7 [270.7]

See Page 22 for Notes.

[ ] Designates Metric Conversions

GENERAL DATA—RGECYC MODELS—3–5 TON [10.6–17.6 kW]

Model RGECYC Series	048AJT	048ACT	048ACU	048ADT	048ADU
Cooling Performance[A]					CONTINUED →
Cooling Capacity Btu/h [kW]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]
EER2/SEER2[B]	12/16.2	12/16.2	12/16.2	12/16.2	12/16.2
Nominal CFM/AHRI Rated CFM [L/s]	1,600/1,460 [755/689]	1,600/1,460 [755/689]	1,600/1,460 [755/689]	1,600/1,460 [755/689]	1,600/1,460 [755/689]
AHRI Net Cooling Capacity Btu/h [kW]	45,500 [13.34]	45,500 [13.34]	45,500 [13.34]	45,500 [13.34]	45,500 [13.34]
Net Sensible Capacity Btu/h [kW]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]
Net Latent Capacity Btu/h [kW]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]
Net System Power kW	4.29	4.29	4.29	4.29	4.29
Compressor					
No./Type	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll
Outdoor Sound Rating (dB)[C]	83	83	83	83	83
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.72 [1.55]	16.72 [1.55]	16.72 [1.55]	16.72 [1.55]	16.72 [1.55]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	7.49 [0.69]	7.49 [0.69]	7.49 [0.69]	7.49 [0.69]	7.49 [0.69]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2	Direct/2
CFM [L/s]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
No. Motors/HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP
Motor RPM	900/800	900/800	900/800	900/800	900/800
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	3/4	3/4	1.5	3/4	1
Motor RPM	1050	1050	1400	1050	1050
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	75 [2126.2]	75 [2126.2]	75 [2126.2]	75 [2126.2]	75 [2126.2]
Reheat Models	116 [3290]	116 [3290]	116 [3290]	116 [3290]	116 [3290]
Weights					
Net Weight lbs. [kg]	581.3 [263.7]	581.3 [263.7]	581.3 [263.7]	578.17 [262.3]	578.17 [262.3]
Ship Weight lbs. [kg]	619.3 [280.9]	619.3 [280.9]	619.3 [280.9]	616.17 [279.5]	616.17 [279.5]

See Page 22 for Notes.

[ ] Designates Metric Conversions

GENERAL DATA—RGECYC MODELS—3–5 TON [10.6–17.6 kW]

Model RGECYC Series	060AJT	060ACT	060ACU	060ADT	060ADU
Cooling Performance[A]					
Cooling Capacity Btu/h [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER2/SEER2[B]	12/16.2	12/16.2	12/16.2	12/16.2	12/16.2
Nominal CFM/AHRI Rated CFM [L/s]	2,000/1,840 [944/868]	2,000/1,840 [944/868]	2,000/1,840 [944/868]	2,000/1,840 [944/868]	2,000/1,840 [944/868]
AHRI Net Cooling Capacity Btu/h [kW]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]
Net Sensible Capacity Btu/h [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu/h [kW]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]
Net System Power kW	5.38	5.38	5.38	5.38	5.38
Compressor					
No./Type	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll
Outdoor Sound Rating (dB)[C]	86	86	86	86	86
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.66 [1.55]	16.66 [1.55]	16.66 [1.55]	16.66 [1.55]	16.66 [1.55]
Rows/FPI [FPcm]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	7.47 [0.69]	7.47 [0.69]	7.47 [0.69]	7.47 [0.69]	7.47 [0.69]
Rows/FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2	Direct/2
CFM [L/s]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
No. Motors/HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP
Motor RPM	900/800	900/800	900/800	900/800	900/800
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]	1/5.6 [142.2]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	1	1	1.5	1	1.2
Motor RPM	1050	1050	1400	1050	1300
Motor Frame Size	48	48	48	48	48
Filter - Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]	(4) 2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]					
Standard Models	81 [2296.3]	81 [2296.3]	81 [2296.3]	81 [2296.3]	81 [2296.3]
Reheat Models	121 [3430]	121 [3430]	121 [3430]	121 [3430]	121 [3430]
Weights					
Net Weight lbs. [kg]	583.8 [264.8]	583.8 [264.8]	583.8 [264.8]	583.8 [264.8]	583.8 [264.8]
Ship Weight lbs. [kg]	621.8 [282.1]	621.8 [282.1]	621.8 [282.1]	621.8 [282.1]	621.8 [282.1]

See Page 22 for Notes.

[ ] Designates Metric Conversions

NOTES:

A. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to 20% of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

B. EER/EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.

C. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

D. Integrated Energy Efficiency Ratio (IEER) is rated in accordance with AHRI Standard 340/360.

WEIGHTED SOUND POWER LEVEL (dBA)

Unit Size – Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)							
		63	125	250	500	1000	2000	4000	8000
RGECYB036	78.0	48.7	58.1	63.9	67.0	67.8	64.7	60.6	54.7
RGECYB048	85.3	58.2	64.7	75.1	74.7	75.5	72.3	67.8	61.0
RGECYB060	86.0	58.2	62.5	76.7	75.0	75.2	77.0	69.0	60.0
RGECYB072	85.0	54.9	67.3	69.4	73.8	73.4	71.2	69.6	65.3
RGECYC036	79.0	50.4	63.0	65.0	69.0	70.0	66.0	62.0	56.0
RGECYC048	83.0	49.3	63.0	69.0	73.0	73.0	70.0	66.0	59.0
RGECYC060	86.0	62.2	65.0	74.0	76.0	76.0	72.0	68.0	61.0

Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

RGECYB & RGECYC HEATING PERFORMANCE

208-230V & 575V						
Tonnage	**3-Ton**		**4-Ton**		**5-Ton**	
Heating Input Btu/h [kW] (High-Fire / Low-Fire)	75,000/52,500 [21.98/115.39]	100,000/70,000 [29.31/20.52]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]
Heating Output Btu/h [kW] (High-Fire / Low-Fire)	60,750/42,525 [17.80/12.46]	81,000/56,700 [23.74/16.62]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]
High-Fire Rise Range °F [°C]	25–55 [13.9–30.6]	35–65 [19.4–36.1]	25–55 [13.9–30.6]	40–70 [22.2–38.9]	25–55 [13.9–30.6]	35–65 [22.2–38.9]
Low-Fire Rise Range °F [°C]	20–50 [11.1–27.8]	25–55 [13.9–30.6]	20–50 [11.1–27.8]	30–60 [16–33]	20–50 [11.1–27.8]	25–55 [13.9–30.6]
Main Limit Temp °F	145	125	145	125	145	125
Rollout Temp. °F	300	300	300	300	300	300
Rating ESP In. W.C.	0.23	0.28	0.23	0.28	0.23	0.28
Maximum ESP In. W.C.	0.80	0.80	0.80	0.80	0.80	0.80
Max Outlet Air Temp °F [°C]	180 [82.2]	190 [87.8]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]
% AFUE	81.0	81.0	81.0	81.0	81.0	81.0
% Steady State Efficiency	81.0	81.0	81.0	81.0	81.0	81.0

460V						
Tonnage	**3-Ton**		**4-Ton**		**5-Ton**	
Heating Input Btu/h [kW] (High-Fire / Low-Fire)	75,000/52,500 [21.98/115.39]	100,000/70,000 [29.31/20.52]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]
Heating Output Btu/h [kW] (High-Fire / Low-Fire)	60,750/42,525 [17.80/12.46]	81,000/56,700 [23.74/16.62]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]
High-Fire Rise Range °F [°C]	30–60 [16.7–33.3]	35–65 [19.4-36.1]	30–60 [16.7–33.3]	40–70 [22.2–38.9]	30–60 [16.7–33.3]	35–65 [19.4-36.1]
Low-Fire Rise Range °F [°C]	25–55 [13.9–30.6]	30–60 [13.9–30.6]	20–50 [11.1–27.8]	30–60 [16–33]	20–50 [11.1–27.8]	25–55 [13.9–30.6]
Main Limit Temp °F	145	125	145	125	145	125
Main Limit Temp °F (High Static Drive)	145	125	145	120	145	125
Rollout Temp. °F	300	300	300	300	300	300
Rating ESP In. W.C.	0.23	0.28	0.23	0.28	0.23	0.28
Maximum ESP In. W.C.	0.80	0.80	0.80	0.80	0.80	0.80
Max Outlet Air Temp °F [°C]	180 [82.2]	190 [87.8]	180 [82.2]	180 [82.2]	180 [82.2]	180 [82.2]
% Steady State Efficiency	81.0	81.0	81.0	81.0	81.0	81.0

Gas Valve Connection Pipe Size In. [mm] .50 [12.7]

[ ] Designates Metric Conversions

RGECYB & RGECYC HEATING PERFORMANCE (CONTINUED)

208-230V & 575V		
Tonnage	**6-Ton**	
Heating Input Btu/h [kW] (High-Fire / Low-Fire)	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]
Heating Output Btu/h [kW] (High-Fire / Low-Fire)	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]
High-Fire Rise Range °F [°C]	25-55 [13.9-30.6]	35-65 [22.2-38.9]
Low-Fire Rise Range °F [°C]	20-50 [11.1-27.8]	30-60 [16.7-33.3]
Main Limit Temp °F	145	125
Rollout Temp. °F	300	300
Rating ESP In. W.C.	0.23	0.28
Maximum ESP In. W.C.	0.80	0.80
Max Outlet Air Temp °F [°C]	180 [82.2]	180 [82.2]
% AFUE	81.0	81.0
% Steady State Efficiency	81.0	81.0

460V		
Tonnage	**6-Ton**	
Heating Input Btu/h [kW] (High-Fire / Low-Fire)	75,000/52,500 [21.98/115.39]	120,000/84,000 [35.17/24.62]
Heating Output Btu/h [kW] (High-Fire / Low-Fire)	60,750/42,525 [17.80/12.46]	97,200/68,040 [28.49/19.94]
High-Fire Rise Range °F [°C]	30-60 [16.7-33.3]	35-65 [19.4-36.1]
Low-Fire Rise Range °F [°C]	20-50 [11.1-27.8]	30-60 [16.7-33.3]
Main Limit Temp °F	145	125
Main Limit Temp °F (High Static Drive)	—	—
Rollout Temp. °F	300	300
Rating ESP In. W.C.	0.23	0.28
Maximum ESP In. W.C.	0.80	0.80
Max Outlet Air Temp °F [°C]	180 [82.2]	180 [82.2]
% Steady State Efficiency	81.0	81.0

Gas Valve Connection Pipe Size In. [mm] .50 [12.7]

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYB036

RGECYB036 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1325 [625]	1175 [555]	950 [448]	1325 [625]	1175 [555]	950 [448]	1325 [625]	1175 [555]	950 [448]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	44.3 [13.0]	43.3 [12.7]	41.8 [12.3]	41.5 [12.2]	40.5 [11.9]	39.1 [11.5]	39.1 [11.5]	38.2 [11.2]	36.9 [10.8]	
		Sens kBtu/h [kW]	26.0 [7.6]	24.6 [7.2]	22.4 [6.6]	29.6 [8.7]	27.9 [8.2]	25.4 [7.4]	33.7 [9.9]	31.8 [9.3]	28.9 [8.5]	
		Power	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	
	80°F [26.7°C]	Total kBtu/h [kW]	43.0 [12.6]	42.0 [12.3]	40.6 [11.9]	40.2 [11.8]	39.3 [11.5]	37.9 [11.1]	37.8 [11.1]	37.0 [10.8]	35.7 [10.5]	
		Sens kBtu/h [kW]	25.5 [7.5]	24.0 [7.0]	21.9 [6.4]	29.0 [8.5]	27.4 [8.0]	24.9 [7.3]	33.1 [9.7]	31.3 [9.2]	28.5 [8.4]	
		Power	2.4	2.3	2.3	2.4	2.4	2.3	2.4	2.3	2.3	
	85°F [29.4°C]	Total kBtu/h [kW]	41.7 [12.2]	40.7 [11.9]	39.3 [11.5]	38.8 [11.4]	37.9 [11.1]	36.6 [10.7]	36.5 [10.7]	35.7 [10.5]	34.4 [10.1]	
		Sens kBtu/h [kW]	24.8 [7.3]	23.4 [6.9]	21.3 [6.2]	28.4 [8.3]	26.8 [7.9]	24.4 [7.2]	32.5 [9.5]	30.6 [9.0]	27.9 [8.2]	
		Power	2.5	2.5	2.4	2.5	2.5	2.4	2.5	2.5	2.4	
	90°F [32.2°C]	Total kBtu/h [kW]	40.2 [11.8]	39.3 [11.5]	38.0 [11.1]	37.4 [11.0]	36.5 [10.7]	35.3 [10.3]	35.0 [10.3]	34.3 [10.1]	33.1 [9.7]	
		Sens kBtu/h [kW]	24.1 [7.1]	22.7 [6.7]	20.7 [6.1]	27.7 [8.1]	26.1 [7.6]	23.8 [7.0]	31.7 [9.3]	30.0 [8.8]	27.3 [8.0]	
		Power	2.6	2.6	2.5	2.6	2.6	2.6	2.6	2.6	2.6	
	95°F [35°C]	Total kBtu/h [kW]	38.7 [11.3]	37.9 [11.1]	36.5 [10.7]	35.9 [10.5]	35.1 [10.3]	33.8 [9.9]	33.5 [9.8]	32.8 [9.6]	31.6 [9.3]	
		Sens kBtu/h [kW]	23.3 [6.8]	22.0 [6.4]	20.0 [5.9]	26.9 [7.9]	25.3 [7.4]	23.1 [6.8]	31.0 [9.1]	29.2 [8.6]	26.6 [7.8]	
		Power	2.7	2.7	2.7	2.8	2.7	2.7	2.8	2.7	2.7	
	100°F [37.8°C]	Total kBtu/h [kW]	37.2 [10.9]	36.3 [10.6]	35.0 [10.3]	34.3 [10.1]	33.5 [9.8]	32.4 [9.5]	32.0 [9.4]	31.2 [9.1]	30.2 [8.9]	
		Sens kBtu/h [kW]	22.4 [6.6]	21.2 [6.2]	19.3 [5.7]	26.0 [7.6]	24.5 [7.2]	22.3 [6.5]	30.1 [8.8]	28.4 [8.3]	25.9 [7.6]	
		Power	2.9	2.8	2.8	2.9	2.9	2.8	2.9	2.9	2.8	
	105°F [40.6°C]	Total kBtu/h [kW]	35.5 [10.4]	34.7 [10.2]	33.5 [9.8]	32.7 [9.6]	31.9 [9.3]	30.8 [9.0]	30.3 [8.9]	29.6 [8.7]	28.6 [8.4]	
		Sens kBtu/h [kW]	21.5 [6.3]	20.3 [5.9]	18.5 [5.4]	25.0 [7.3]	23.6 [6.9]	21.5 [6.3]	29.1 [8.5]	27.5 [8.1]	25.0 [7.3]	
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	3.0	2.9	
	110°F [43.3°C]	Total kBtu/h [kW]	33.8 [9.9]	33.0 [9.7]	31.9 [9.3]	30.9 [9.1]	30.2 [8.9]	29.2 [8.6]	28.6 [8.4]	27.9 [8.2]	27.0 [7.9]	
		Sens kBtu/h [kW]	20.5 [6.0]	19.3 [5.7]	17.6 [5.2]	24.0 [7.0]	22.7 [6.7]	20.6 [6.0]	28.1 [8.2]	26.5 [7.8]	24.2 [7.1]	
		Power	3.1	3.1	3.1	3.2	3.1	3.1	3.2	3.1	3.1	
	115°F [46.1°C]	Total kBtu/h [kW]	32.0 [9.4]	31.3 [9.2]	30.2 [8.9]	29.1 [8.5]	28.5 [8.4]	27.5 [8.1]	26.8 [7.9]	26.2 [7.7]	25.3 [7.4]	
		Sens kBtu/h [kW]	19.4 [5.7]	18.3 [5.4]	16.6 [4.9]	22.9 [6.7]	21.6 [6.3]	19.7 [5.8]	26.8 [7.9]	25.5 [7.5]	23.2 [6.8]	
		Power	3.3	3.2	3.2	3.3	3.3	3.2	3.3	3.2	3.2	
	120°F [48.9°C]	Total kBtu/h [kW]	30.1 [8.8]	29.4 [8.6]	28.4 [8.3]	27.3 [8.0]	26.7 [7.8]	25.7 [7.5]	24.9 [7.3]	24.4 [7.2]	23.5 [6.9]	
		Sens kBtu/h [kW]	18.2 [5.3]	17.2 [5.0]	15.6 [4.6]	21.7 [6.4]	20.5 [6.0]	18.7 [5.5]	24.9 [7.3]	24.4 [7.2]	22.2 [6.5]	
		Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.4	3.3	
	125°F [51.7°C]	Total kBtu/h [kW]	28.2 [8.3]	27.5 [8.1]	26.6 [7.8]	25.3 [7.4]	24.8 [7.3]	23.9 [7.0]	23.0 [6.7]	22.5 [6.6]	21.7 [6.4]	
		Sens kBtu/h [kW]	16.9 [5.0]	16.0 [4.7]	14.6 [4.3]	20.5 [6.0]	19.3 [5.7]	17.6 [5.2]	23.0 [6.7]	22.5 [6.6]	21.1 [6.2]	
		Power	3.5	3.5	3.4	3.6	3.5	3.5	3.5	3.5	3.4	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYB048

RGECYB048 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1775 [838]	1575 [743]	1275 [602]	1775 [838]	1575 [743]	1275 [602]	1775 [838]	1575 [743]	1275 [602]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	57.1 [16.7]	55.8 [16.4]	53.9 [15.8]	54.2 [15.9]	53.0 [15.5]	51.2 [15.0]	51.4 [15.1]	50.2 [14.7]	48.5 [14.2]	
		Sens kBtu/h [kW]	33.2 [9.7]	31.4 [9.2]	28.6 [8.4]	38.6 [11.3]	36.5 [10.7]	33.2 [9.7]	44.0 [12.9]	41.5 [12.2]	37.8 [11.1]	
		Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.3	3.3	
	80°F [26.7°C]	Total kBtu/h [kW]	55.7 [16.3]	54.4 [15.9]	52.5 [15.4]	52.8 [15.5]	51.6 [15.1]	49.9 [14.6]	50.0 [14.7]	48.9 [14.3]	47.2 [13.8]	
		Sens kBtu/h [kW]	32.4 [9.5]	30.6 [9.0]	27.9 [8.2]	37.8 [11.1]	35.7 [10.5]	32.5 [9.5]	43.2 [12.7]	40.7 [11.9]	37.1 [10.9]	
		Power	3.5	3.5	3.4	3.6	3.5	3.5	3.5	3.5	3.4	
	85°F [29.4°C]	Total kBtu/h [kW]	54.3 [15.9]	53.1 [15.6]	51.2 [15.0]	51.4 [15.1]	50.3 [14.7]	48.5 [14.2]	48.6 [14.2]	47.5 [13.9]	45.8 [13.4]	
		Sens kBtu/h [kW]	31.6 [9.3]	29.8 [8.7]	27.2 [8.0]	36.9 [10.8]	34.9 [10.2]	31.8 [9.3]	42.3 [12.4]	40.0 [11.7]	36.4 [10.7]	
		Power	3.7	3.6	3.6	3.7	3.7	3.6	3.7	3.6	3.6	
	90°F [32.2°C]	Total kBtu/h [kW]	52.9 [15.5]	51.7 [15.2]	49.9 [14.6]	50.0 [14.7]	48.9 [14.3]	47.2 [13.8]	47.2 [13.8]	46.1 [13.5]	44.5 [13.0]	
		Sens kBtu/h [kW]	30.7 [9.0]	29.0 [8.5]	26.4 [7.7]	36.1 [10.6]	34.1 [10.0]	31.1 [9.1]	41.5 [12.2]	39.2 [11.5]	35.7 [10.5]	
		Power	3.8	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.7	
	95°F [35°C]	Total kBtu/h [kW]	51.5 [15.1]	50.3 [14.7]	48.6 [14.2]	48.6 [14.2]	47.5 [13.9]	45.9 [13.5]	45.8 [13.4]	44.8 [13.1]	43.2 [12.7]	
		Sens kBtu/h [kW]	29.9 [8.8]	28.2 [8.3]	25.7 [7.5]	35.3 [10.3]	33.3 [9.8]	30.3 [8.9]	40.7 [11.9]	38.4 [11.3]	35.0 [10.3]	
		Power	3.9	3.9	3.8	4.0	3.9	3.9	3.9	3.9	3.8	
	100°F [37.8°C]	Total kBtu/h [kW]	50.1 [14.7]	49.0 [14.4]	47.3 [13.9]	47.2 [13.8]	46.2 [13.5]	44.6 [13.1]	44.4 [13.0]	43.4 [12.7]	41.9 [12.3]	
		Sens kBtu/h [kW]	29.1 [8.5]	27.4 [8.0]	25.0 [7.3]	34.5 [10.1]	32.5 [9.5]	29.6 [8.7]	39.8 [11.7]	37.6 [11.0]	34.3 [10.1]	
		Power	4.1	4.0	4.0	4.1	4.1	4.0	4.1	4.0	4.0	
	105°F [40.6°C]	Total kBtu/h [kW]	48.7 [14.3]	47.6 [14.0]	45.9 [13.5]	45.8 [13.4]	44.8 [13.1]	43.3 [12.7]	43.0 [12.6]	42.0 [12.3]	40.6 [11.9]	
		Sens kBtu/h [kW]	28.2 [8.3]	26.7 [7.8]	24.3 [7.1]	33.6 [9.8]	31.7 [9.3]	28.9 [8.5]	39.0 [11.4]	36.8 [10.8]	33.5 [9.8]	
		Power	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.2	4.1	
	110°F [43.3°C]	Total kBtu/h [kW]	47.3 [13.9]	46.2 [13.5]	44.6 [13.1]	44.4 [13.0]	43.4 [12.7]	41.9 [12.3]	41.6 [12.2]	40.6 [11.9]	39.2 [11.5]	
		Sens kBtu/h [kW]	27.4 [8.0]	25.9 [7.6]	23.6 [6.9]	32.8 [9.6]	31.0 [9.1]	28.2 [8.3]	38.2 [11.2]	36.0 [10.6]	32.8 [9.6]	
		Power	4.4	4.3	4.2	4.4	4.3	4.3	4.3	4.3	4.2	
	115°F [46.1°C]	Total kBtu/h [kW]	45.9 [13.5]	44.9 [13.2]	43.3 [12.7]	43.0 [12.6]	42.1 [12.3]	40.6 [11.9]	40.2 [11.8]	39.3 [11.5]	37.9 [11.1]	
		Sens kBtu/h [kW]	26.6 [7.8]	25.1 [7.4]	22.9 [6.7]	32.0 [9.4]	30.2 [8.9]	27.5 [8.1]	37.3 [10.9]	35.2 [10.3]	32.1 [9.4]	
		Power	4.5	4.4	4.4	4.5	4.5	4.4	4.5	4.4	4.4	
	120°F [48.9°C]	Total kBtu/h [kW]	44.5 [13.0]	43.5 [12.7]	42.0 [12.3]	41.6 [12.2]	40.7 [11.9]	39.3 [11.5]	38.8 [11.4]	37.9 [11.1]	36.6 [10.7]	
		Sens kBtu/h [kW]	25.7 [7.5]	24.3 [7.1]	22.1 [6.5]	31.1 [9.1]	29.4 [8.6]	26.8 [7.9]	36.5 [10.7]	34.5 [10.1]	31.4 [9.2]	
		Power	4.6	4.6	4.5	4.7	4.6	4.5	4.6	4.6	4.5	
	125°F [51.7°C]	Total kBtu/h [kW]	43.1 [12.6]	42.1 [12.3]	40.7 [11.9]	40.2 [11.8]	39.3 [11.5]	38.0 [11.1]	37.4 [11.0]	36.5 [10.7]	35.3 [10.3]	
		Sens kBtu/h [kW]	24.9 [7.3]	23.5 [6.9]	21.4 [6.3]	30.3 [8.9]	28.6 [8.4]	26.1 [7.6]	35.7 [10.5]	33.7 [9.9]	30.7 [9.0]	
		Power	4.8	4.7	4.6	4.8	4.7	4.7	4.8	4.7	4.6	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYB060

RGECYB060 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			2200 [1038]	1825 [861]	1600 [755]	2200 [1038]	1825 [861]	1600 [755]	2200 [1038]	1825 [861]	1600 [755]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	72.1 [21.1]	69.5 [20.4]	67.9 [19.9]	68.4 [20.0]	66.0 [19.3]	64.5 [18.9]	64.9 [19.0]	62.6 [18.3]	61.1 [17.9]	
		Sens kBtu/h [kW]	43.2 [12.7]	39.4 [11.5]	37.2 [10.9]	48.5 [14.2]	44.2 [13.0]	41.7 [12.2]	53.9 [15.8]	49.2 [14.4]	46.3 [13.6]	
		Power	4.2	4.1	4.1	4.2	4.2	4.1	4.2	4.1	4.1	
	80°F [26.7°C]	Total kBtu/h [kW]	70.4 [20.6]	67.9 [19.9]	66.4 [19.5]	66.8 [19.6]	64.4 [18.9]	62.9 [18.4]	63.2 [18.5]	60.9 [17.8]	59.6 [17.5]	
		Sens kBtu/h [kW]	42.4 [12.4]	38.7 [11.3]	36.5 [10.7]	47.7 [14.0]	43.5 [12.7]	41.0 [12.0]	53.1 [15.6]	48.4 [14.2]	45.6 [13.4]	
		Power	4.4	4.4	4.3	4.5	4.4	4.4	4.5	4.4	4.3	
	85°F [29.4°C]	Total kBtu/h [kW]	68.6 [20.1]	66.1 [19.4]	64.7 [19.0]	64.9 [19.0]	62.6 [18.3]	61.2 [17.9]	61.4 [18.0]	59.2 [17.4]	57.9 [17.0]	
		Sens kBtu/h [kW]	41.5 [12.2]	37.9 [11.1]	35.7 [10.5]	46.7 [13.7]	42.7 [12.5]	40.2 [11.8]	52.1 [15.3]	47.6 [14.0]	44.8 [13.1]	
		Power	4.7	4.6	4.6	4.7	4.6	4.6	4.7	4.6	4.6	
	90°F [32.2°C]	Total kBtu/h [kW]	66.7 [19.5]	64.3 [18.8]	62.8 [18.4]	6.03 [18.5]	60.7 [17.8]	59.4 [17.4]	59.5 [17.4]	57.3 [16.8]	56.0 [16.4]	
		Sens kBtu/h [kW]	40.4 [11.8]	36.9 [10.8]	34.7 [10.2]	45.6 [13.4]	41.7 [12.2]	39.3 [11.5]	51.0 [14.9]	46.6 [13.7]	43.9 [12.9]	
		Power	4.9	4.8	4.8	5.0	4.9	4.8	4.9	4.8	4.8	
	95°F [35°C]	Total kBtu/h [kW]	64.6 [18.9]	62.2 [18.2]	60.8 [17.8]	60.9 [17.8]	58.7 [17.2]	57.4 [16.8]	57.4 [16.8]	55.3 [16.2]	54.1 [15.9]	
		Sens kBtu/h [kW]	39.2 [11.5]	35.7 [10.5]	33.7 [9.9]	44.4 [13.0]	40.5 [11.9]	38.2 [11.2]	49.8 [14.6]	45.4 [13.3]	42.8 [12.5]	
		Power	5.2	5.1	5.0	5.2	5.1	5.0	5.2	5.1	5.0	
	100°F [37.8°C]	Total kBtu/h [kW]	62.3 [18.3]	60.1 [17.6]	58.7 [17.2]	58.7 [17.2]	56.6 [16.6]	55.3 [16.2]	55.1 [16.1]	53.1 [15.6]	52.0 [15.2]	
		Sens kBtu/h [kW]	37.8 [11.1]	34.5 [10.1]	32.5 [9.5]	43.0 [12.6]	39.3 [11.5]	37.0 [10.8]	48.4 [14.2]	44.2 [13.0]	41.6 [12.2]	
		Power	5.4	5.3	5.2	5.4	5.3	5.3	5.4	5.3	5.2	
	105°F [40.6°C]	Total kBtu/h [kW]	60.0 [17.6]	57.8 [16.9]	56.5 [16.6]	56.3 [16.5]	54.3 [15.9]	53.1 [15.6]	52.8 [15.5]	50.9 [14.9]	49.7 [14.6]	
		Sens kBtu/h [kW]	36.2 [10.6]	33.1 [9.7]	31.2 [9.1]	41.5 [12.2]	37.9 [11.1]	35.7 [10.5]	46.9 [13.7]	42.8 [12.5]	40.3 [11.8]	
		Power	5.6	5.5	5.5	5.7	5.6	5.5	5.6	5.5	5.5	
	110°F [43.3°C]	Total kBtu/h [kW]	57.5 [16.9]	55.4 [16.2]	54.2 [15.9]	53.8 [15.8]	51.9 [15.2]	50.7 [14.9]	50.3 [14.7]	48.4 [14.2]	47.4 [13.9]	
		Sens kBtu/h [kW]	34.6 [10.1]	31.5 [9.2]	29.7 [8.7]	39.8 [11.7]	36.3 [10.6]	34.2 [10.0]	45.2 [13.2]	41.2 [12.1]	38.9 [11.4]	
		Power	5.9	5.8	5.7	5.9	5.8	5.7	5.9	5.8	5.7	
	115°F [46.1°C]	Total kBtu/h [kW]	54.8 [16.1]	52.8 [15.5]	51.7 [15.2]	51.2 [15.0]	49.3 [14.4]	48.2 [14.1]	47.6 [14.0]	45.9 [13.5]	44.9 [13.2]	
		Sens kBtu/h [kW]	32.7 [9.6]	29.9 [8.8]	28.2 [8.3]	38.0 [11.1]	34.7 [10.2]	32.7 [9.6]	43.4 [12.7]	39.6 [11.6]	37.3 [10.9]	
		Power	6.1	6.0	5.9	6.1	6.0	6.0	6.1	6.0	5.9	
	120°F [48.9°C]	Total kBtu/h [kW]	52.0 [15.2]	50.2 [14.7]	49.0 [14.4]	48.4 [14.2]	46.6 [13.7]	45.6 [13.4]	44.8 [13.1]	43.2 [12.7]	42.2 [12.4]	
		Sens kBtu/h [kW]	30.8 [9.0]	28.1 [8.2]	26.5 [7.8]	36.0 [10.6]	32.9 [9.6]	31.0 [9.1]	41.4 [12.1]	37.8 [11.1]	35.6 [10.4]	
		Power	6.3	6.2	6.2	6.4	6.3	6.2	6.3	6.2	6.2	
	125°F [51.7°C]	Total kBtu/h [kW]	49.1 [14.4]	47.3 [13.9]	46.3 [13.6]	45.4 [13.3]	43.8 [12.8]	42.8 [12.5]	41.9 [12.3]	40.4 [11.8]	39.5 [11.6]	
		Sens kBtu/h [kW]	28.6 [8.4]	26.1 [7.6]	24.6 [7.2]	33.9 [9.9]	30.9 [9.1]	29.2 [8.6]	39.3 [11.5]	35.8 [10.5]	33.8 [9.9]	
		Power	6.6	6.5	6.4	6.6	6.5	6.4	6.6	6.5	6.4	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYB072

RGECYB072 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			2525 [1192]	2400 [1133]	1825 [861]	2525 [1192]	2400 [1133]	1825 [861]	2525 [1192]	2400 [1133]	1825 [861]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	79.7 [23.4]	78.9 [23.1]	75.5 [22.1]	73.8 [21.6]	73.1 [21.4]	70.0 [20.5]	68.0 [19.9]	67.4 [19.8]	64.4 [18.9]	
		Sens kBtu/h [kW]	44.6 [13.1]	43.5 [12.7]	38.6 [11.3]	49.7 [14.6]	48.5 [14.2]	43.1 [12.6]	54.9 [16.1]	53.6 [15.7]	47.6 [14.0]	
		Power	4.8	4.8	4.7	4.7	4.7	4.6	4.9	4.8	4.7	
	80°F [26.7°C]	Total kBtu/h [kW]	78.2 [22.9]	77.4 [22.7]	74.1 [21.7]	72.3 [21.2]	71.6 [21.0]	68.5 [20.1]	66.5 [19.5]	65.9 [19.3]	63.0 [18.5]	
		Sens kBtu/h [kW]	44.4 [13.0]	43.4 [12.7]	38.5 [11.3]	49.6 [14.5]	48.4 [14.2]	43.0 [12.6]	54.7 [16.0]	53.4 [15.7]	47.5 [13.9]	
		Power	5.2	5.1	5	5.1	5.0	4.9	5.2	5.2	5.1	
	85°F [29.4°C]	Total kBtu/h [kW]	76.6 [22.5]	75.9 [22.2]	72.6 [21.3]	70.8 [20.8]	70.1 [20.5]	67.1 [19.7]	65.0 [19.1]	64.4 [18.9]	61.6 [18.1]	
		Sens kBtu/h [kW]	44.3 [13.0]	43.2 [12.7]	38.4 [11.3]	49.4 [14.5]	48.3 [14.2]	42.9 [12.6]	54.6 [16.0]	53.3 [15.6]	47.4 [13.9]	
		Power	5.5	5.5	5.4	5.4	5.4	5.2	5.5	5.5	5.4	
	90°F [32.2°C]	Total kBtu/h [kW]	75.1 [22.0]	74.4 [21.8]	71.2 [20.9]	69.3 [20.3]	68.6 [20.1]	65.7 [19.3]	63.5 [18.6]	62.9 [18.4]	60.1 [17.6]	
		Sens kBtu/h [kW]	44.2 [13.0]	43.1 [12.6]	38.3 [11.2]	49.3 [14.4]	48.1 [14.1]	42.8 [12.5]	54.5 [16.0]	53.2 [15.6]	47.2 [13.8]	
		Power	5.8	5.8	5.7	5.7	5.7	5.6	5.8	5.8	5.7	
	95°F [35°C]	Total kBtu/h [kW]	73.6 [21.6]	72.9 [21.4]	69.8 [20.5]	67.8 [19.9]	67.1 [19.7]	64.2 [18.8]	61.9 [18.1]	61.4 [18.0]	58.7 [17.2]	
		Sens kBtu/h [kW]	44.0 [12.9]	43.0 [12.6]	38.2 [11.2]	49.2 [14.4]	48.0 [14.1]	42.6 [12.5]	54.3 [15.9]	53.0 [15.5]	47.1 [13.8]	
		Power	6.1	6.1	6.0	6.0	6.0	5.9	6.2	6.1	6.0	
	100°F [37.8°C]	Total kBtu/h [kW]	72.1 [21.1]	71.4 [20.9]	68.3 [20.0]	66.3 [19.4]	65.6 [19.2]	62.8 [18.4]	60.4 [17.7]	59.9 [17.6]	57.3 [16.8]	
		Sens kBtu/h [kW]	43.9 [12.9]	42.8 [12.5]	38.0 [11.1]	49.0 [14.4]	47.9 [14.0]	42.5 [12.5]	54.2 [15.9]	52.9 [15.5]	47.0 [13.8]	
		Power	6.5	6.4	6.3	6.4	6.3	6.2	6.5	6.4	6.3	
	105°F [40.6°C]	Total kBtu/h [kW]	70.6 [20.7]	69.9 [20.5]	66.9 [19.6]	64.8 [19.0]	64.1 [18.8]	61.4 [18.0]	58.9 [17.3]	58.4 [17.1]	55.8 [16.4]	
		Sens kBtu/h [kW]	43.7 [12.8]	42.7 [12.5]	37.9 [11.1]	48.9 [14.3]	47.7 [14.0]	42.4 [12.4]	54.0 [15.8]	52.8 [15.5]	46.9 [13.7]	
		Power	6.8	6.7	6.6	6.7	6.6	6.5	6.8	6.8	6.6	
	110°F [43.3°C]	Total kBtu/h [kW]	69.1 [20.3]	68.4 [20.0]	65.4 [19.2]	63.2 [18.5]	62.6 [18.3]	59.9 [17.6]	57.4 [16.8]	56.9 [16.7]	54.4 [15.9]	
		Sens kBtu/h [kW]	43.6 [12.8]	42.6 [12.5]	37.8 [11.1]	48.7 [14.3]	47.6 [14.0]	42.3 [12.4]	53.9 [15.8]	52.6 [15.4]	46.7 [13.7]	
		Power	7.1	7.1	6.9	7.0	7.0	6.8	7.1	7.1	6.9	
	115°F [46.1°C]	Total kBtu/h [kW]	67.6 [19.8]	66.9 [19.6]	64.0 [18.8]	61.7 [18.1]	61.1 [17.9]	58.5 [17.1]	55.9 [16.4]	55.4 [16.2]	53 [15.5]	
		Sens kBtu/h [kW]	43.4 [12.7]	42.4 [12.4]	37.7 [11.0]	48.6 [14.2]	47.5 [13.9]	42.1 [12.3]	53.8 [15.8]	52.5 [15.4]	46.6 [13.7]	
		Power	7.4	7.4	7.2	7.3	7.3	7.1	7.4	7.4	7.2	
	120°F [48.9°C]	Total kBtu/h [kW]	66.0 [19.3]	65.4 [19.2]	62.6 [18.3]	60.2 [17.6]	59.6 [17.5]	57.0 [16.7]	54.4 [15.9]	53.9 [15.8]	51.5 [15.1]	
		Sens kBtu/h [kW]	43.3 [12.7]	42.3 [12.4]	37.6 [11.0]	48.5 [14.2]	47.3 [13.9]	42.0 [12.3]	53.6 [15.7]	52.4 [15.4]	46.5 [13.6]	
		Power	7.7	7.7	7.5	7.6	7.6	7.4	7.8	7.7	7.6	
	125°F [51.7°C]	Total kBtu/h [kW]	64.5 [18.9]	63.9 [18.7]	61.1 [17.9]	58.7 [17.2]	58.1 [17.0]	55.6 [16.3]	52.9 [15.5]	52.4 [15.4]	50.1 [14.7]	
		Sens kBtu/h [kW]	43.2 [12.7]	42.1 [12.3]	37.4 [11.0]	48.3 [14.2]	47.2 [13.8]	41.9 [12.3]	52.9 [15.5]	52.2 [15.3]	46.4 [13.6]	
		Power	8.1	8.0	7.9	8.0	7.9	7.8	8.1	8.0	7.9	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYC036

RGECYC036 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1425 [673]	1050 [496]	1100 [519]	1425 [673]	1050 [496]	1100 [519]	1425 [673]	1050 [496]	1100 [519]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	46.7 [13.7]	43.8 [12.8]	44.2 [13.0]	43.6 [12.8]	41.0 [12.0]	41.3 [12.1]	40.4 [11.8]	37.9 [11.1]	38.3 [11.2]	
		Sens kBtu/h [kW]	28.1 [8.2]	24.1 [7.1]	24.6 [7.2]	32.1 [9.4]	27.5 [8.1]	28.1 [8.2]	35.9 [10.5]	30.8 [9.0]	31.5 [9.2]	
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	
	80°F [26.7°C]	Total kBtu/h [kW]	46.1 [13.5]	43.3 [12.7]	43.7 [12.8]	43.1 [12.6]	40.5 [11.9]	40.8 [12.0]	39.9 [11.7]	37.4 [11.0]	37.8 [11.1]	
		Sens kBtu/h [kW]	28.0 [8.2]	24.0 [7.0]	24.6 [7.2]	32.0 [9.4]	27.4 [8.0]	28.1 [8.2]	35.8 [10.5]	30.7 [9.0]	31.4 [9.2]	
		Power	2.5	2.4	2.4	2.5	2.4	2.4	2.4	2.3	2.3	
	85°F [29.4°C]	Total kBtu/h [kW]	45.4 [13.3]	42.6 [12.5]	43.0 [12.6]	42.4 [12.4]	39.8 [11.7]	40.1 [11.8]	39.1 [11.5]	36.8 [10.8]	37.1 [10.9]	
		Sens kBtu/h [kW]	27.7 [8.1]	23.8 [7.0]	24.3 [7.1]	31.7 [9.3]	27.2 [8.0]	27.8 [8.1]	35.5 [10.4]	30.4 [8.9]	31.1 [9.1]	
		Power	2.6	2.5	2.5	2.6	2.5	2.5	2.5	2.5	2.5	
	90°F [32.2°C]	Total kBtu/h [kW]	44.5 [13.0]	41.8 [12.3]	42.1 [12.3]	41.4 [12.1]	38.9 [11.4]	39.2 [11.5]	38.2 [11.2]	35.9 [10.5]	36.2 [10.6]	
		Sens kBtu/h [kW]	27.2 [8.0]	23.3 [6.8]	23.9 [7.0]	31.2 [9.1]	26.8 [7.9]	27.4 [8.0]	35.0 [10.3]	30.0 [8.8]	30.7 [9.0]	
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	
	95°F [35°C]	Total kBtu/h [kW]	43.4 [12.7]	40.7 [11.9]	41.1 [12.0]	40.3 [11.8]	37.9 [11.1]	38.2 [11.2]	37.1 [10.9]	34.8 [10.2]	35.1 [10.3]	
		Sens kBtu/h [kW]	26.5 [7.8]	22.7 [6.7]	23.2 [6.8]	30.5 [8.9]	26.1 [7.6]	26.7 [7.8]	34.3 [10.1]	29.4 [8.6]	30.1 [8.8]	
		Power	2.9	2.8	2.8	2.9	2.8	2.8	2.8	2.7	2.7	
	100°F [37.8°C]	Total kBtu/h [kW]	42.1 [12.3]	39.5 [11.6]	39.8 [11.7]	39.0 [11.4]	36.6 [10.7]	36.9 [10.8]	35.8 [10.5]	33.6 [9.8]	33.9 [9.9]	
		Sens kBtu/h [kW]	25.6 [7.5]	21.9 [6.4]	22.4 [6.6]	29.6 [8.7]	25.3 [7.4]	25.9 [7.6]	33.4 [9.8]	28.6 [8.4]	29.2 [8.6]	
		Power	3.0	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	
	105°F [40.6°C]	Total kBtu/h [kW]	40.5 [11.9]	38.1 [11.2]	38.4 [11.3]	37.5 [11.0]	35.2 [10.3]	35.5 [10.4]	34.3 [10.1]	32.2 [9.4]	32.5 [9.5]	
		Sens kBtu/h [kW]	24.5 [7.2]	21.0 [6.2]	21.4 [6.3]	28.4 [8.3]	24.4 [7.2]	24.9 [7.3]	32.2 [9.4]	27.6 [8.1]	28.2 [8.3]	
		Power	3.1	3.0	3.1	3.1	3.0	3.1	3.1	3.0	3.0	
	110°F [43.3°C]	Total kBtu/h [kW]	38.9 [11.4]	36.5 [10.7]	36.8 [10.8]	35.8 [10.5]	33.6 [9.8]	33.9 [9.9]	32.6 [9.6]	30.6 [9.0]	30.9 [9.1]	
		Sens kBtu/h [kW]	23.1 [6.8]	19.8 [5.8]	20.2 [5.9]	27.1 [7.9]	23.2 [6.8]	23.7 [6.9]	30.9 [9.1]	26.5 [7.8]	27.1 [7.9]	
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.2	3.1	3.1	
	115°F [46.1°C]	Total kBtu/h [kW]	37.0 [10.8]	34.7 [10.2]	35.0 [10.3]	33.9 [9.9]	31.9 [9.3]	32.1 [9.4]	30.7 [9.0]	28.8 [8.4]	29.1 [8.5]	
		Sens kBtu/h [kW]	21.5 [6.3]	18.5 [5.4]	18.9 [5.5]	25.5 [7.5]	21.9 [6.4]	22.4 [6.6]	29.3 [8.6]	25.1 [7.4]	25.7 [7.5]	
		Power	3.4	3.3	3.3	3.4	3.3	3.3	3.3	3.2	3.3	
	120°F [48.9°C]	Total kBtu/h [kW]	34.9 [10.2]	32.8 [9.6]	33.0 [9.7]	31.8 [9.3]	29.9 [8.8]	30.2 [8.9]	28.6 [8.4]	26.9 [7.9]	27.1 [7.9]	
		Sens kBtu/h [kW]	19.8 [5.8]	17.0 [5.0]	17.3 [5.1]	23.8 [7.0]	20.4 [6.0]	20.8 [6.1]	27.6 [8.1]	23.6 [6.9]	24.2 [7.1]	
		Power	3.5	3.4	3.4	3.5	3.4	3.4	3.5	3.4	3.4	
	125°F [51.7°C]	Total kBtu/h [kW]	32.6 [9.6]	30.6 [9.0]	30.9 [9.1]	29.6 [8.7]	27.8 [8.1]	28.0 [8.2]	26.4 [7.7]	24.7 [7.2]	25.0 [7.3]	
		Sens kBtu/h [kW]	17.8 [5.2]	15.3 [4.5]	15.6 [4.6]	21.8 [6.4]	18.7 [5.5]	19.1 [5.6]	25.6 [7.5]	21.9 [6.4]	22.4 [6.6]	
		Power	3.7	3.6	3.6	3.7	3.6	3.6	3.6	3.5	3.5	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYC048

RGECYC048 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1875 [885]	1450 [684]	1450 [684]	1875 [885]	1450 [684]	1450 [684]	1875 [885]	1450 [684]	1450 [684]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	63.3 [18.6]	60.1 [17.6]	60.1 [17.6]	58.9 [17.3]	56.0 [16.4]	56.0 [16.4]	55.3 [16.2]	52.5 [15.4]	52.5 [15.4]	
		Sens kBtu/h [kW]	36.8 [10.8]	32.4 [9.5]	32.4 [9.5]	42.7 [12.5]	37.5 [11.0]	37.5 [11.0]	49.4 [14.5]	43.5 [12.7]	43.5 [12.7]	
		Power	3.2	3.1	3.1	3.2	3.1	3.1	3.2	3.1	3.1	
	80°F [26.7°C]	Total kBtu/h [kW]	61.8 [18.1]	58.6 [17.2]	58.6 [17.2]	57.4 [16.8]	54.5 [16.0]	54.5 [16.0]	53.8 [15.8]	51.1 [15.0]	51.1 [15.0]	
		Sens kBtu/h [kW]	35.9 [10.5]	31.6 [9.3]	31.6 [9.3]	41.8 [12.3]	36.8 [10.8]	36.8 [10.8]	48.5 [14.2]	42.7 [12.5]	42.7 [12.5]	
		Power	3.4	3.3	3.3	3.4	3.3	3.3	3.3	3.2	3.2	
	85°F [29.4°C]	Total kBtu/h [kW]	60.2 [17.6]	57.2 [16.8]	57.2 [16.8]	55.8 [16.4]	53.0 [15.5]	53.0 [15.5]	52.2 [15.3]	49.6 [14.5]	49.6 [14.5]	
		Sens kBtu/h [kW]	35.0 [10.3]	30.8 [9.0]	30.8 [9.0]	40.9 [12.0]	36.0 [10.6]	36.0 [10.6]	47.7 [14.0]	41.9 [12.3]	41.9 [12.3]	
		Power	3.5	3.5	3.5	3.5	3.4	3.4	3.5	3.4	3.4	
	90°F [32.2°C]	Total kBtu/h [kW]	58.6 [17.2]	55.7 [16.3]	55.7 [16.3]	54.2 [15.9]	51.5 [15.1]	51.5 [15.1]	50.6 [14.8]	48.1 [14.1]	48.1 [14.1]	
		Sens kBtu/h [kW]	34.1 [10.0]	30.0 [8.8]	30.0 [8.8]	40.0 [11.7]	35.2 [10.3]	35.2 [10.3]	46.8 [13.7]	41.1 [12.0]	41.1 [12.0]	
		Power	3.7	3.6	3.6	3.7	3.6	3.6	3.7	3.6	3.6	
	95°F [35°C]	Total kBtu/h [kW]	57.0 [16.7]	54.1 [15.9]	54.1 [15.9]	52.6 [15.4]	50.0 [14.7]	50.0 [14.7]	49.0 [14.4]	46.5 [13.6]	46.5 [13.6]	
		Sens kBtu/h [kW]	33.2 [9.7]	29.2 [8.6]	29.2 [8.6]	39.1 [11.5]	34.4 [10.1]	34.4 [10.1]	45.8 [13.4]	40.3 [11.8]	40.3 [11.8]	
		Power	3.9	3.8	3.8	3.9	3.8	3.8	3.9	3.8	3.8	
	100°F [37.8°C]	Total kBtu/h [kW]	55.4 [16.2]	52.6 [15.4]	52.6 [15.4]	51.0 [14.9]	48.4 [14.2]	48.4 [14.2]	47.4 [13.9]	45.0 [13.2]	45.0 [13.2]	
		Sens kBtu/h [kW]	32.3 [9.5]	28.4 [8.3]	28.4 [8.3]	38.2 [11.2]	33.6 [9.8]	33.6 [9.8]	44.9 [13.2]	39.5 [11.6]	39.5 [11.6]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.1	4.0	4.0	
	105°F [40.6°C]	Total kBtu/h [kW]	53.8 [15.8]	51 [14.9]	51.0 [14.9]	49.4 [14.5]	46.9 [13.7]	46.9 [13.7]	45.8 [13.4]	43.4 [12.7]	43.4 [12.7]	
		Sens kBtu/h [kW]	31.3 [9.2]	27.5 [8.1]	27.5 [8.1]	37.2 [10.9]	32.7 [9.6]	32.7 [9.6]	43.9 [12.9]	38.7 [11.3]	38.7 [11.3]	
		Power	4.4	4.2	4.2	4.3	4.2	4.2	4.3	4.2	4.2	
	110°F [43.3°C]	Total kBtu/h [kW]	52.1 [15.3]	49.5 [14.5]	49.5 [14.5]	47.7 [14.0]	45.3 [13.3]	45.3 [13.3]	44.1 [12.9]	41.9 [12.3]	41.9 [12.3]	
		Sens kBtu/h [kW]	30.3 [8.9]	26.7 [7.8]	26.7 [7.8]	36.2 [10.6]	31.9 [9.3]	31.9 [9.3]	43.0 [12.6]	37.8 [11.1]	37.8 [11.1]	
		Power	4.6	4.5	4.5	4.6	4.4	4.4	4.5	4.4	4.4	
	115°F [46.1°C]	Total kBtu/h [kW]	50.4 [14.8]	47.9 [14.0]	47.9 [14.0]	46.0 [13.5]	43.7 [12.8]	43.7 [12.8]	42.4 [12.4]	40.3 [11.8]	40.3 [11.8]	
		Sens kBtu/h [kW]	29.3 [8.6]	25.8 [7.6]	25.8 [7.6]	35.2 [10.3]	31.0 [9.1]	31.0 [9.1]	42.0 [12.3]	36.9 [10.8]	36.9 [10.8]	
		Power	4.8	4.7	4.7	4.8	4.7	4.7	4.8	4.7	4.7	
	120°F [48.9°C]	Total kBtu/h [kW]	48.7 [14.3]	46.3 [13.6]	46.3 [13.6]	44.3 [13.0]	42.1 [12.3]	42.1 [12.3]	40.7 [11.9]	38.7 [11.3]	38.7 [11.3]	
		Sens kBtu/h [kW]	28.3 [8.3]	24.9 [7.3]	24.9 [7.3]	34.2 [10.0]	30.1 [8.8]	30.1 [8.8]	40.7 [11.9]	36.0 [10.6]	36.0 [10.6]	
		Power	5.1	5.0	5.0	5.1	4.9	4.9	5.1	4.9	4.9	
	125°F [51.7°C]	Total kBtu/h [kW]	47.0 [13.8]	44.7 [13.1]	44.7 [13.1]	42.6 [12.5]	40.5 [11.9]	40.5 [11.9]	39.0 [11.4]	37.1 [10.9]	37.1 [10.9]	
		Sens kBtu/h [kW]	27.3 [8.0]	24.0 [7.0]	24.0 [7.0]	33.2 [9.7]	29.2 [8.6]	29.2 [8.6]	39.0 [11.4]	35.1 [10.3]	35.1 [10.3]	
		Power	5.4	5.2	5.2	5.4	5.2	5.2	5.3	5.2	5.2	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGECYC060

RGECYC060 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			2225 [1050]	1850 [873]	1725 [814]	2225 [1050]	1850 [873]	1725 [814]	2225 [1050]	1850 [873]	1725 [814]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75°F [23.9°C]	Total kBtu/h [kW]	76.1 [22.3]	73.4 [21.5]	72.5 [21.2]	68.8 [20.2]	66.3 [19.4]	65.5 [19.2]	63.7 [18.7]	61.5 [18.0]	60.7 [17.8]	
		Sens kBtu/h [kW]	43.5 [12.7]	39.8 [11.7]	38.5 [11.3]	50.0 [14.7]	45.7 [13.4]	44.3 [13.0]	56.3 [16.5]	51.5 [15.1]	49.8 [14.6]	
		Power	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1	
	80°F [26.7°C]	Total kBtu/h [kW]	74.4 [21.8]	71.7 [21.0]	70.9 [20.8]	67.0 [19.6]	64.6 [18.9]	63.9 [18.7]	62.0 [18.2]	59.8 [17.5]	59.0 [17.3]	
		Sens kBtu/h [kW]	42.6 [12.5]	38.9 [11.4]	37.7 [11.0]	49.1 [14.4]	44.9 [13.2]	43.5 [12.7]	55.4 [16.2]	50.6 [14.8]	49.0 [14.4]	
		Power	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.3	4.3	
	85°F [29.4°C]	Total kBtu/h [kW]	72.6 [21.3]	70.0 [20.5]	69.1 [20.3]	65.2 [19.1]	62.9 [18.4]	62.1 [18.2]	60.1 [17.6]	58.0 [17.0]	57.3 [16.8]	
		Sens kBtu/h [kW]	41.7 [12.2]	38.1 [11.2]	36.9 [10.8]	48.2 [14.1]	44.0 [12.9]	42.6 [12.5]	54.5 [16.0]	49.8 [14.6]	48.2 [14.1]	
		Power	4.7	4.6	4.6	4.7	4.6	4.6	4.6	4.5	4.5	
	90°F [32.2°C]	Total kBtu/h [kW]	70.7 [20.7]	68.2 [20.0]	67.3 [19.7]	63.3 [18.6]	61.1 [17.9]	60.3 [17.7]	58.3 [17.1]	56.2 [16.5]	55.5 [16.3]	
		Sens kBtu/h [kW]	40.7 [11.9]	37.2 [10.9]	36.0 [10.6]	47.2 [13.8]	43.1 [12.6]	41.8 [12.3]	53.5 [15.7]	48.9 [14.3]	47.3 [13.9]	
		Power	4.9	4.8	4.8	4.9	4.8	4.8	4.8	4.7	4.7	
	95°F [35°C]	Total kBtu/h [kW]	68.7 [20.1]	66.3 [19.4]	65.5 [19.2]	61.4 [18.0]	59.2 [17.4]	58.5 [17.1]	56.3 [16.5]	54.3 [15.9]	53.6 [15.7]	
		Sens kBtu/h [kW]	39.6 [11.6]	36.2 [10.6]	35.1 [10.3]	46.2 [13.5]	42.2 [12.4]	40.8 [12.0]	52.4 [15.4]	47.9 [14.0]	46.4 [13.6]	
		Power	5.1	5.0	5.0	5.1	5.0	5.0	5.1	5.0	4.9	
	100°F [37.8°C]	Total kBtu/h [kW]	66.7 [19.5]	64.4 [18.9]	63.6 [18.6]	59.4 [17.4]	57.3 [16.8]	56.6 [16.6]	54.3 [15.9]	52.4 [15.4]	51.7 [15.2]	
		Sens kBtu/h [kW]	38.5 [11.3]	35.2 [10.3]	34.1 [10.0]	45.1 [13.2]	41.2 [12.1]	39.9 [11.7]	51.4 [15.1]	46.9 [13.7]	45.4 [13.3]	
		Power	5.3	5.2	5.2	5.3	5.2	5.2	5.3	5.2	5.1	
	105°F [40.6°C]	Total kBtu/h [kW]	64.7 [19.0]	62.4 [18.3]	61.6 [18.1]	57.3 [16.8]	55.3 [16.2]	54.6 [16.0]	52.2 [15.3]	50.4 [14.8]	49.8 [14.6]	
		Sens kBtu/h [kW]	37.4 [11.0]	34.2 [10.0]	33.1 [9.7]	43.9 [12.9]	40.1 [11.8]	38.9 [11.4]	50.2 [14.7]	45.9 [13.5]	44.4 [13.0]	
		Power	5.5	5.4	5.4	5.5	5.4	5.4	5.5	5.4	5.4	
	110°F [43.3°C]	Total kBtu/h [kW]	62.5 [18.3]	60.3 [17.7]	59.6 [17.5]	55.2 [16.2]	53.2 [15.6]	52.6 [15.4]	50.1 [14.7]	48.3 [14.2]	47.7 [14.0]	
		Sens kBtu/h [kW]	36.2 [10.6]	33.1 [9.7]	32.0 [9.4]	42.7 [12.5]	39.1 [11.5]	37.8 [11.1]	49.0 [14.4]	44.8 [13.1]	43.4 [12.7]	
		Power	5.8	5.7	5.6	5.7	5.6	5.6	5.7	5.6	5.6	
	115°F [46.1°C]	Total kBtu/h [kW]	60.3 [17.7]	58.2 [17.1]	57.5 [16.9]	53.0 [15.5]	51.1 [15.0]	50.5 [14.8]	47.9 [14.0]	46.2 [13.5]	45.7 [13.4]	
		Sens kBtu/h [kW]	35.0 [10.3]	32.0 [9.4]	31.0 [9.1]	41.5 [12.2]	37.9 [11.1]	36.7 [10.8]	47.8 [14.0]	43.7 [12.8]	42.3 [12.4]	
		Power	6.0	5.9	5.8	6.0	5.9	5.8	5.9	5.8	5.8	
	120°F [48.9°C]	Total kBtu/h [kW]	58.1 [17.0]	56.0 [16.4]	55.3 [16.2]	50.7 [14.9]	48.9 [14.3]	48.3 [14.2]	45.7 [13.4]	44.0 [12.9]	43.5 [12.7]	
		Sens kBtu/h [kW]	33.7 [9.9]	30.8 [9.0]	29.8 [8.7]	40.2 [11.8]	36.8 [10.8]	35.6 [10.4]	45.7 [13.4]	42.5 [12.5]	41.2 [12.1]	
		Power	6.2	6.1	6.0	6.2	6.1	6.0	6.1	6.0	6.0	
	125°F [51.7°C]	Total kBtu/h [kW]	55.8 [16.4]	53.8 [15.8]	53.1 [15.6]	48.4 [14.2]	46.7 [13.7]	46.1 [13.5]	43.4 [12.7]	41.8 [12.3]	41.3 [12.1]	
		Sens kBtu/h [kW]	32.4 [9.5]	29.6 [8.7]	28.6 [8.4]	38.9 [11.4]	35.5 [10.4]	34.4 [10.1]	43.4 [12.7]	41.3 [12.1]	40.0 [11.7]	
		Power	6.4	6.3	6.3	6.4	6.3	6.3	6.4	6.2	6.2	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYB036

ENTERING INDOOR AIR @75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			1350 [637]	1168 [551]	1050 [496]	1350 [637]	1168 [551]	1050 [496]	1350 [637]	1168 [551]	1050 [496]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	18.7 [5.5]	18.1 [5.3]	17.8 [5.2]	18.4 [5.4]	17.9 [5.3]	17.6 [5.2]	17.3 [5.1]	16.8 [4.9]	16.5 [4.8]	
		Sens kBtu/h [kW]	2.8 [0.8]	2.6 [0.8]	2.5 [0.7]	4.7 [1.4]	4.4 [1.3]	4.2 [1.2]	5.9 [1.7]	5.5 [1.6]	5.3 [1.5]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	
	70°F [21.1°C]	Total kBtu/h [kW]	16.9 [5.0]	16.5 [4.8]	16.2 [4.7]	16.7 [4.9]	16.3 [4.8]	16.0 [4.7]	15.6 [4.6]	15.2 [4.4]	14.9 [4.4]	
		Sens kBtu/h [kW]	1.8 [0.5]	1.7 [0.5]	1.6 [0.5]	3.7 [1.1]	3.5 [1.0]	3.3 [1.0]	4.9 [1.4]	4.6 [1.3]	4.4 [1.3]	
		Power	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.1	2.0	
	80°F [26.7°C]	Total kBtu/h [kW]	15.0 [4.4]	14.6 [4.3]	14.3 [4.2]	14.8 [4.3]	14.4 [4.2]	14.1 [4.1]	13.7 [4.0]	13.3 [3.9]	13.0 [3.8]	
		Sens kBtu/h [kW]	0.4 [0.1]	0.4 [0.1]	0.4 [0.1]	2.4 [0.7]	2.2 [0.7]	2.1 [0.6]	3.6 [1.1]	3.3 [1.0]	3.2 [0.9]	
		Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.1	
	90°F [32.2°C]	Total kBtu/h [kW]	12.8 [3.8]	12.5 [3.7]	12.3 [3.6]	12.6 [3.7]	12.3 [3.6]	12.0 [3.5]	11.5 [3.4]	11.2 [3.3]	11.0 [3.2]	
		Sens kBtu/h [kW]	-1.2 [-0.4]	-1.2 [-0.3]	-1.1 [-0.3]	0.7 [0.2]	0.7 [0.2]	0.6 [0.2]	1.9 [0.6]	1.8 [0.5]	1.7 [0.5]	
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
	100°F [37.8°C]	Total kBtu/h [kW]	10.4 [3.1]	10.1 [3.0]	10.0 [2.9]	10.2 [3.0]	9.9 [2.9]	9.8 [2.9]	9.1 [2.7]	8.8 [2.6]	8.7 [2.5]	
		Sens kBtu/h [kW]	-3.2 [-0.9]	-3.0 [-0.9]	-2.9 [-0.8]	-1.3 [-0.4]	-1.2 [-0.4]	-1.1 [-0.3]	-0.1 [0.0]	-0.1 [0.0]	-0.1 [0.0]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	110°F [43.3°C]	Total kBtu/h [kW]	7.8 [2.3]	7.6 [2.2]	7.4 [2.2]	7.6 [2.2]	7.4 [2.2]	7.2 [2.1]	6.5 [1.9]	6.3 [1.8]	6.2 [1.8]	
		Sens kBtu/h [kW]	-5.6 [-1.6]	-5.2 [-1.5]	-5.0 [-1.5]	-3.6 [-1.1]	-3.4 [-1.0]	-3.2 [-0.9]	-2.4 [-0.7]	-2.3 [-0.7]	-2.1 [-0.6]	
		Power	2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.8	2.7	
	120°F [48.9°C]	Total kBtu/h [kW]	4.9 [1.4]	4.8 [1.4]	4.7 [1.4]	4.7 [1.4]	4.6 [1.3]	4.5 [1.3]	3.6 [1.1]	3.5 [1.0]	3.4 [1.0]	
		Sens kBtu/h [kW]	-8.2 [-2.4]	-7.7 [-2.3]	-7.3 [-2.1]	-6.3 [-1.8]	-5.9 [-1.7]	-5.6 [-1.6]	-5.1 [-1.5]	-4.7 [-1.4]	-4.5 [-1.3]	
		Power	3.1	3.1	3.0	3.1	3.0	3.0	3.1	3.1	3.0	

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYB048

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			1800 [850]	1519 [717]	1400 [661]	1800 [850]	1519 [717]	1400 [661]	1800 [850]	1519 [717]	1400 [661]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	25.5 [7.5]	24.7 [7.2]	24.3 [7.1]	24.3 [7.1]	23.5 [6.9]	23.2 [6.8]	22.6 [6.6]	21.8 [6.4]	21.5 [6.3]	
		Sens kBtu/h [kW]	2.6 [0.8]	2.4 [0.7]	2.3 [0.7]	5.2 [1.5]	4.8 [1.4]	4.6 [1.4]	6.7 [2.0]	6.1 [1.8]	5.9 [1.7]	
		Power	2.5	2.4	2.4	2.5	2.5	2.5	2.4	2.4	2.4	
	70°F [21.1°C]	Total kBtu/h [kW]	24.1 [7.1]	23.3 [6.8]	23.0 [6.7]	22.9 [6.7]	22.2 [6.5]	21.8 [6.4]	21.2 [6.2]	20.5 [6.0]	20.2 [5.9]	
		Sens kBtu/h [kW]	1.9 [0.6]	1.8 [0.5]	1.7 [0.5]	4.5 [1.3]	4.2 [1.2]	4.0 [1.2]	6.0 [1.8]	5.5 [1.6]	5.3 [1.6]	
		Power	2.6	2.5	2.5	2.7	2.6	2.6	2.6	2.5	2.5	
	80°F [26.7°C]	Total kBtu/h [kW]	22.1 [6.5]	21.4 [6.3]	21.1 [6.2]	20.9 [6.1]	20.2 [5.9]	20.0 [5.8]	19.2 [5.6]	18.6 [5.4]	18.3 [5.4]	
		Sens kBtu/h [kW]	0.4 [0.1]	0.4 [0.1]	0.4 [0.1]	3.0 [0.9]	2.8 [0.8]	2.7 [0.8]	4.5 [1.3]	4.1 [1.2]	4.0 [1.2]	
		Power	2.8	2.7	2.7	2.8	2.8	2.8	2.7	2.7	2.7	
	90°F [32.2°C]	Total kBtu/h [kW]	19.5 [5.7]	18.9 [5.5]	18.6 [5.5]	18.3 [5.4]	17.7 [5.2]	17.5 [5.1]	16.6 [4.9]	16.1 [4.7]	15.8 [4.6]	
		Sens kBtu/h [kW]	-1.9 [-0.5]	-1.7 [-0.5]	-1.7 [-0.5]	0.7 [0.2]	0.7 [0.2]	0.6 [0.2]	2.2 [0.6]	2.0 [0.6]	1.9 [0.6]	
		Power	3.0	2.9	2.9	3.0	3.0	3.0	3.0	2.9	2.9	
	100°F [37.8°C]	Total kBtu/h [kW]	16.4 [4.8]	15.8 [4.6]	15.6 [4.6]	15.2 [4.4]	14.7 [4.3]	14.5 [4.2]	13.4 [3.9]	13.0 [3.8]	12.8 [3.8]	
		Sens kBtu/h [kW]	-5.0 [-1.5]	-4.6 [-1.4]	-4.4 [-1.3]	-2.4 [-0.7]	-2.2 [-0.7]	-2.1 [-0.6]	-0.9 [-0.3]	-0.9 [-0.3]	-0.8 [-0.2]	
		Power	3.3	3.2	3.2	3.3	3.3	3.3	3.2	3.2	3.2	
	110°F [43.3°C]	Total kBtu/h [kW]	12.6 [3.7]	12.2 [3.6]	12.0 [3.5]	11.4 [3.3]	11.0 [3.2]	10.9 [3.2]	9.7 [2.8]	9.4 [2.7]	9.2 [2.7]	
		Sens kBtu/h [kW]	-9.0 [-2.6]	-8.3 [-2.4]	-8.0 [-2.3]	-6.4 [-1.9]	-5.9 [-1.7]	-5.6 [-1.7]	-4.9 [-1.4]	-4.5 [-1.3]	-4.3 [-1.3]	
		Power	3.6	3.6	3.5	3.7	3.6	3.6	3.6	3.5	3.5	
	120°F [48.9°C]	Total kBtu/h [kW]	8.2 [2.4]	8.0 [2.3]	7.9 [2.3]	7.1 [2.1]	6.8 [2.0]	6.7 [2.0]	5.3 [1.6]	5.2 [1.5]	5.1 [1.5]	
		Sens kBtu/h [kW]	-13.7 [-4.0]	-12.7 [-3.7]	-12.2 [-3.6]	-11.1 [-3.3]	-10.3 [-3.0]	-9.9 [-2.9]	-9.7 [-2.8]	-8.9 [-2.6]	-8.6 [-2.5]	
		Power	4.0	4.0	3.9	4.1	4.0	4.0	4.0	3.9	3.9	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 75°F [23.9°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYB060

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			2250 [1062]	1825 [861]	1750 [826]	2250 [1062]	1825 [861]	1750 [826]	2250 [1062]	1825 [861]	1750 [826]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	29.1 [8.5]	27.9 [8.2]	27.7 [8.1]	28.5 [8.3]	27.3 [8.0]	27.1 [7.9]	26.6 [7.8]	25.5 [7.5]	25.3 [7.4]	
		Sens kBtu/h [kW]	1.9 [0.5]	1.7 [0.5]	1.7 [0.5]	5.1 [1.5]	4.6 [1.3]	4.5 [1.3]	7.9 [2.3]	7.1 [2.1]	7.0 [2.1]	
		Power	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.5	
	70°F [21.1°C]	Total kBtu/h [kW]	27.5 [8.0]	26.3 [7.7]	26.2 [7.7]	26.8 [7.9]	25.7 [7.5]	25.5 [7.5]	24.9 [7.3]	23.9 [7.0]	23.7 [7.0]	
		Sens kBtu/h [kW]	0.6 [0.2]	0.6 [0.2]	0.6 [0.2]	3.8 [1.1]	3.4 [1.0]	3.4 [1.0]	6.7 [2.0]	6.0 [1.8]	5.9 [1.7]	
		Power	3.6	3.6	3.6	3.6	3.6	3.5	3.6	3.6	3.6	
	80°F [26.7°C]	Total kBtu/h [kW]	25.2 [7.4]	24.2 [7.1]	24.0 [7.0]	24.5 [7.2]	23.5 [6.9]	23.4 [6.8]	22.6 [6.6]	21.7 [6.4]	21.6 [6.3]	
		Sens kBtu/h [kW]	-1.2 [-0.4]	-1.1 [-0.3]	-1.1 [-0.3]	2.0 [0.6]	1.8 [0.5]	1.8 [0.5]	4.8 [1.4]	4.4 [1.3]	4.3 [1.3]	
		Power	3.8	3.8	3.7	3.8	3.7	3.7	3.8	3.8	3.7	
	90°F [32.2°C]	Total kBtu/h [kW]	22.3 [6.5]	21.4 [6.3]	21.2 [6.2]	21.6 [6.3]	20.8 [6.1]	20.6 [6.0]	19.7 [5.8]	18.9 [5.5]	18.8 [5.5]	
		Sens kBtu/h [kW]	-3.6 [-1.1]	-3.3 [-1.0]	-3.2 [-0.9]	-0.4 [-0.1]	-0.4 [-0.1]	-0.4 [-0.1]	2.4 [0.7]	2.2 [0.6]	2.1 [0.6]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.1	4.0	4.0	
	100°F [37.8°C]	Total kBtu/h [kW]	18.7 [5.5]	18.0 [5.3]	17.8 [5.2]	18.1 [5.3]	17.4 [5.1]	17.2 [5.1]	16.2 [4.7]	15.5 [4.6]	15.4 [4.5]	
		Sens kBtu/h [kW]	-6.7 [-1.9]	-6.0 [-1.8]	-5.9 [-1.7]	-3.5 [-1.0]	-3.1 [-0.9]	-3.1 [-0.9]	-0.6 [-0.2]	-0.6 [-0.2]	-0.5 [-0.2]	
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.5	4.4	4.4	
	110°F [43.3°C]	Total kBtu/h [kW]	14.6 [4.3]	14.0 [4.1]	13.9 [4.1]	13.9 [4.1]	13.4 [3.9]	13.3 [3.9]	12.0 [3.5]	11.6 [3.4]	11.5 [3.4]	
		Sens kBtu/h [kW]	-10.3 [-3.0]	-9.3 [-2.7]	-9.1 [-2.7]	-7.1 [-2.1]	-6.4 [-1.9]	-6.2 [-1.8]	-4.2 [-1.2]	-3.8 [-1.1]	-3.7 [-1.1]	
		Power	5.0	4.9	4.9	5.0	4.9	4.8	5.0	4.9	4.9	
	120°F [48.9°C]	Total kBtu/h [kW]	9.8 [2.9]	9.4 [2.8]	9.3 [2.7]	9.2 [2.7]	8.8 [2.6]	8.7 [2.6]	7.3 [2.1]	7.0 [2.0]	6.9 [2.0]	
		Sens kBtu/h [kW]	-14.5 [-4.2]	-13.0 [-3.8]	-12.8 [-3.7]	-11.3 [-3.3]	-10.2 [-3.0]	-10.0 [-2.9]	-8.4 [-2.5]	-7.6 [-2.2]	-7.4 [-2.2]	
		Power	5.6	5.4	5.4	5.5	5.4	5.4	5.5	5.4	5.4	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 75°F [23.9°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA (LOW HUMIDIDRY MODE)—RGECYB072

ENTERING INDOOR AIR @75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			1710 [807]	1523 [719]	1330 [628]	1710 [807]	1523 [719]	1330 [628]	1710 [807]	1523 [719]	1330 [628]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	35.8 [10.5]	35.0 [10.3]	34.2 [10.0]	32.5 [9.5]	31.8 [9.3]	31.0 [9.1]	31.4 [9.2]	30.7 [9.0]	30.0 [8.8]	
		Sens kBtu/h [kW]	12.8 [3.7]	12.1 [3.5]	11.4 [3.3]	12.6 [3.7]	12.0 [3.5]	11.3 [3.3]	16.2 [4.8]	15.3 [4.5]	14.4 [4.2]	
		Power	2.3	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2	
	65°F [18.3°C]	Total kBtu/h [kW]	34.3 [10.1]	33.6 [9.8]	32.8 [9.6]	31.0 [9.1]	30.3 [8.9]	29.6 [8.7]	30.0 [8.8]	29.3 [8.6]	28.6 [8.4]	
		Sens kBtu/h [kW]	11.5 [3.4]	10.8 [3.2]	10.2 [3.0]	11.3 [3.3]	10.7 [3.1]	10.1 [3.0]	14.9 [4.4]	14.1 [4.1]	13.3 [3.9]	
		Power	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.3	2.3	
	70°F [21.1°C]	Total kBtu/h [kW]	32.6 [9.6]	31.9 [9.4]	31.2 [9.1]	29.4 [8.6]	28.7 [8.4]	28.1 [8.2]	28.3 [8.3]	27.7 [8.1]	27.0 [7.9]	
		Sens kBtu/h [kW]	10.0 [2.9]	9.4 [2.8]	8.9 [2.6]	9.8 [2.9]	9.3 [2.7]	8.8 [2.6]	13.4 [3.9]	12.7 [3.7]	11.9 [3.5]	
		Power	2.6	2.6	2.5	2.6	2.6	2.6	2.5	2.5	2.5	
	75°F [23.9°C]	Total kBtu/h [kW]	30.8 [9.0]	30.1 [8.8]	29.4 [8.6]	27.5 [8.1]	26.9 [7.9]	26.3 [7.7]	26.4 [7.7]	25.8 [7.6]	25.2 [7.4]	
		Sens kBtu/h [kW]	8.3 [2.4]	7.9 [2.3]	7.4 [2.2]	8.2 [2.4]	7.7 [2.3]	7.3 [2.1]	11.8 [3.4]	11.1 [3.3]	10.5 [3.1]	
		Power	2.8	2.8	2.7	2.8	2.8	2.8	2.7	2.7	2.7	
	80°F [26.7°C]	Total kBtu/h [kW]	28.7 [8.4]	28.1 [8.2]	27.4 [8.0]	25.4 [7.4]	24.8 [7.3]	24.3 [7.1]	24.3 [7.1]	23.8 [7.0]	23.3 [6.8]	
		Sens kBtu/h [kW]	6.5 [1.9]	6.1 [1.8]	5.8 [1.7]	6.4 [1.9]	6.0 [1.8]	5.7 [1.7]	10.0 [2.9]	9.4 [2.8]	8.9 [2.6]	
		Power	3.0	2.9	2.9	3.0	3	2.9	2.9	2.9	2.9	
	85°F [29.4°C]	Total kBtu/h [kW]	26.4 [7.7]	25.8 [7.6]	25.2 [7.4]	23.1 [6.8]	22.6 [6.6]	22.1 [6.5]	22.0 [6.5]	21.6 [6.3]	21.1 [6.2]	
		Sens kBtu/h [kW]	4.5 [1.3]	4.3 [1.3]	4.0 [1.2]	4.4 [1.3]	4.2 [1.2]	3.9 [1.1]	8.0 [2.3]	7.5 [2.2]	7.1 [2.1]	
		Power	3.2	3.1	3.1	3.2	3.2	3.1	3.1	3.1	3.1	
	90°F [32.2°C]	Total kBtu/h [kW]	23.9 [7.0]	23.4 [6.9]	22.8 [6.7]	20.6 [6.0]	20.2 [5.9]	19.7 [5.8]	19.6 [5.7]	19.1 [5.6]	18.7 [5.5]	
		Sens kBtu/h [kW]	2.4 [0.7]	2.2 [0.7]	2.1 [0.6]	2.2 [0.7]	2.1 [0.6]	2.0 [0.6]	5.8 [1.7]	5.5 [1.6]	5.2 [1.5]	
		Power	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.3	

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYB072

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			2700 [1274]	2404 [1135]	2100 [991]	2700 [1274]	2404 [1135]	2100 [991]	2700 [1274]	2404 [1135]	2100 [991]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	44.6 [13.1]	43.6 [12.8]	42.6 [12.5]	43.0 [12.6]	42.1 [12.3]	41.1 [12.1]	39.3 [11.5]	38.4 [11.3]	37.5 [11.0]	
		Sens kBtu/h [kW]	13.3 [3.9]	12.6 [3.7]	11.8 [3.5]	15.5 [4.5]	14.7 [4.3]	13.8 [4.0]	20.2 [5.9]	19.1 [5.6]	18.0 [5.3]	
		Power	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6	
	70°F [21.1°C]	Total kBtu/h [kW]	42.4 [12.4]	41.5 [12.2]	40.6 [11.9]	40.9 [12.0]	40.0 [11.7]	39.1 [11.5]	37.1 [10.9]	36.3 [10.6]	35.5 [10.4]	
		Sens kBtu/h [kW]	11.3 [3.3]	10.7 [3.1]	10.1 [3.0]	13.6 [4.0]	12.8 [3.8]	12.1 [3.5]	18.3 [5.4]	17.3 [5.1]	16.3 [4.8]	
		Power	3.9	3.9	3.8	3.9	3.8	3.8	3.8	3.8	3.7	
	80°F [26.7°C]	Total kBtu/h [kW]	38.9 [11.4]	38.1 [11.2]	37.2 [10.9]	37.4 [11.0]	36.6 [10.7]	35.7 [10.5]	33.6 [9.9]	32.9 [9.6]	32.1 [9.4]	
		Sens kBtu/h [kW]	8.2 [2.4]	7.8 [2.3]	7.3 [2.1]	10.4 [3.1]	9.9 [2.9]	9.3 [2.7]	15.1 [4.4]	14.3 [4.2]	13.5 [4.0]	
		Power	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	
	90°F [32.2°C]	Total kBtu/h [kW]	34.1 [10.0]	33.3 [9.8]	32.6 [9.5]	32.5 [9.5]	31.8 [9.3]	31.1 [9.1]	28.8 [8.4]	28.1 [8.2]	27.5 [8.1]	
		Sens kBtu/h [kW]	3.9 [1.1]	3.7 [1.1]	3.5 [1.0]	6.1 [1.8]	5.8 [1.7]	5.5 [1.6]	10.8 [3.2]	10.2 [3.0]	9.6 [2.8]	
		Power	4.5	4.5	4.4	4.5	4.5	4.4	4.4	4.4	4.4	
	100°F [37.8°C]	Total kBtu/h [kW]	27.8 [8.2]	27.2 [8.0]	26.6 [7.8]	26.3 [7.7]	25.7 [7.5]	25.1 [7.4]	22.5 [6.6]	22.0 [6.5]	21.5 [6.3]	
		Sens kBtu/h [kW]	-1.6 [-0.5]	-1.5 [-0.4]	-1.4 [-0.4]	0.6 [0.2]	0.6 [0.2]	0.6 [0.2]	5.3 [1.6]	5.0 [1.5]	4.7 [1.4]	
		Power	5.0	4.9	4.9	5.0	4.9	4.9	4.9	4.9	4.8	
	110°F [43.3°C]	Total kBtu/h [kW]	20.2 [5.9]	19.8 [5.8]	19.3 [5.7]	18.7 [5.5]	18.3 [5.4]	17.9 [5.2]	14.9 [4.4]	14.6 [4.3]	14.2 [4.2]	
		Sens kBtu/h [kW]	-8.3 [-2.4]	-7.8 [-2.3]	-7.4 [-2.2]	-6.1 [-1.8]	-5.7 [-1.7]	-5.4 [-1.6]	-1.4 [-0.4]	-1.3 [-0.4]	-1.2 [-0.4]	
		Power	5.6	5.5	5.4	5.5	5.5	5.4	5.5	5.4	5.3	
	120°F [48.9°C]	Total kBtu/h [kW]	11.2 [3.3]	11.0 [3.2]	10.7 [3.1]	9.7 [2.8]	9.5 [2.8]	9.3 [2.7]	5.9 [1.7]	5.8 [1.7]	5.7 [1.7]	
		Sens kBtu/h [kW]	-16.2 [-4.7]	-15.3 [-4.5]	-14.4 [-4.2]	-14.0 [-4.1]	-13.2 [-3.9]	-12.4 [-3.6]	-9.3 [-2.7]	-8.8 [-2.6]	-8.2 [-2.4]	
		Power	6.2	6.1	6.1	6.2	6.1	6.0	6.1	6.0	6.0	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 75°F [23.9°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA (LOW HUMIDIDRY MODE)—RGECYC036

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①											
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]		
CFM [L/s]			900 [425]	760 [359]	705 [333]	900 [425]	760 [359]	705 [333]	900 [425]	760 [359]	705 [333]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	12.8 [3.7]	12.4 [3.6]	12.2 [3.6]	13.4 [3.9]	12.9 [3.8]	12.8 [3.7]	13.3 [3.9]	12.8 [3.8]	12.7 [3.7]
		Sens kBtu/h [kW]	3.1 [0.9]	2.9 [0.8]	2.8 [0.8]	5.0 [1.5]	4.6 [1.3]	4.4 [1.3]	6.8 [2.0]	6.3 [1.8]	6.0 [1.8]
		Power	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3
	65°F [18.3°C]	Total kBtu/h [kW]	12.2 [3.6]	11.8 [3.5]	11.7 [3.4]	12.8 [3.8]	12.4 [3.6]	12.2 [3.6]	12.7 [3.7]	12.3 [3.6]	12.1 [3.6]
		Sens kBtu/h [kW]	2.4 [0.7]	2.2 [0.6]	2.1 [0.6]	4.2 [1.2]	3.9 [1.1]	3.8 [1.1]	6.1 [1.8]	5.6 [1.6]	5.4 [1.6]
		Power	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4
	70°F [21.1°C]	Total kBtu/h [kW]	11.6 [3.4]	11.2 [3.3]	11.1 [3.2]	12.2 [3.6]	11.8 [3.5]	11.7 [3.4]	12.1 [3.5]	11.7 [3.4]	11.5 [3.4]
		Sens kBtu/h [kW]	1.6 [0.5]	1.5 [0.4]	1.4 [0.4]	3.5 [1.0]	3.2 [0.9]	3.1 [0.9]	5.3 [1.6]	4.9 [1.4]	4.7 [1.4]
		Power	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5
	75°F [23.9°C]	Total kBtu/h [kW]	10.9 [3.2]	10.5 [3.1]	10.4 [3.0]	11.5 [3.4]	11.1 [3.3]	11.0 [3.2]	11.4 [3.3]	11.0 [3.2]	10.9 [3.2]
		Sens kBtu/h [kW]	0.8 [0.2]	0.7 [0.2]	0.7 [0.2]	2.7 [0.8]	2.5 [0.7]	2.4 [0.7]	4.5 [1.3]	4.1 [1.2]	4.0 [1.2]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6
	80°F [26.7°C]	Total kBtu/h [kW]	10.1 [3.0]	9.8 [2.9]	9.7 [2.8]	10.7 [3.1]	10.4 [3.0]	10.2 [3.0]	10.6 [3.1]	10.3 [3.0]	10.1 [3.0]
		Sens kBtu/h [kW]	-0.1 [0.0]	-0.1 [0.0]	-0.1 [0.0]	1.8 [0.5]	1.7 [0.5]	1.6 [0.5]	3.6 [1.1]	3.3 [1.0]	3.2 [0.9]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7
	85°F [29.4°C]	Total kBtu/h [kW]	9.3 [2.7]	9.0 [2.6]	8.9 [2.6]	9.9 [2.9]	9.6 [2.8]	9.4 [2.8]	9.8 [2.9]	9.4 [2.8]	9.3 [2.7]
		Sens kBtu/h [kW]	-1.0 [-0.3]	-0.9 [-0.3]	-0.9 [-0.3]	0.9 [0.3]	0.8 [0.2]	0.8 [0.2]	2.7 [0.8]	2.5 [0.7]	2.4 [0.7]
		Power	1.6	1.6	1.6	1.8	1.8	1.8	1.8	1.8	1.8
	90°F [32.2°C]	Total kBtu/h [kW]	8.3 [2.4]	8.1 [2.4]	8.0 [2.3]	8.9 [2.6]	8.7 [2.5]	8.5 [2.5]	8.8 [2.6]	8.5 [2.5]	8.4 [2.5]
		Sens kBtu/h [kW]	-1.9 [-0.6]	-1.8 [-0.5]	-1.7 [-0.5]	0.0 [0.0]	0.0 [0.0]	0.0 [0.0]	1.8 [0.5]	1.6 [0.5]	1.6 [0.5]
		Power	1.7	1.7	1.7	1.9	1.9	1.9	1.9	1.9	1.9

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYC036

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①											
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]		
CFM [L/s]			1350 [637]	1055 [498]	1050 [496]	1350 [637]	1055 [498]	1050 [496]	1350 [637]	1055 [498]	1050 [496]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	16.3 [4.8]	15.6 [4.6]	15.5 [4.6]	16.1 [4.7]	15.3 [4.5]	15.3 [4.5]	14.8 [4.3]	14.1 [4.1]	14.1 [4.1]
		Sens kBtu/h [kW]	0.2 [0.0]	0.1 [0.0]	0.1 [0.0]	1.8 [0.5]	1.6 [0.5]	1.6 [0.5]	3.2 [0.9]	2.8 [0.8]	2.8 [0.8]
		Power	2.1	2.0	2.0	2.2	2.1	2.1	2.1	2.0	2.0
	70°F [21.1°C]	Total kBtu/h [kW]	15.6 [4.6]	14.9 [4.4]	14.9 [4.4]	15.4 [4.5]	14.6 [4.3]	14.6 [4.3]	14.1 [4.1]	13.4 [3.9]	13.4 [3.9]
		Sens kBtu/h [kW]	-0.5 [-0.1]	-0.4 [-0.1]	-0.4 [-0.1]	1.1 [0.3]	1.0 [0.3]	1.0 [0.3]	2.5 [0.7]	2.2 [0.7]	2.2 [0.7]
		Power	2.2	2.1	2.1	2.3	2.2	2.2	2.2	2.1	2.1
	80°F [26.7°C]	Total kBtu/h [kW]	14.6 [4.3]	13.8 [4.1]	13.8 [4.1]	14.3 [4.2]	13.6 [4.0]	13.6 [4.0]	13.0 [3.8]	12.4 [3.6]	12.4 [3.6]
		Sens kBtu/h [kW]	-1.5 [-0.4]	-1.4 [-0.4]	-1.4 [-0.4]	0.1 [0.0]	0.1 [0.0]	0.1 [0.0]	1.5 [0.4]	1.3 [0.4]	1.3 [0.4]
		Power	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.3	2.3
	90°F [32.2°C]	Total kBtu/h [kW]	13.1 [3.8]	12.5 [3.7]	12.4 [3.6]	12.8 [3.8]	12.2 [3.6]	12.2 [3.6]	11.6 [3.4]	11.0 [3.2]	11.0 [3.2]
		Sens kBtu/h [kW]	-2.9 [-0.9]	-2.6 [-0.8]	-2.6 [-0.8]	-1.3 [-0.4]	-1.1 [-0.3]	-1.1 [-0.3]	0.1 [0.0]	0.1 [0.0]	0.1 [0.0]
		Power	2.5	2.4	2.4	2.6	2.5	2.5	2.5	2.4	2.4
	100°F [37.8°C]	Total kBtu/h [kW]	11.3 [3.3]	10.7 [3.1]	10.7 [3.1]	11.0 [3.2]	10.5 [3.1]	10.4 [3.1]	9.7 [2.8]	9.3 [2.7]	9.2 [2.7]
		Sens kBtu/h [kW]	-4.7 [-1.4]	-4.1 [-1.2]	-4.1 [-1.2]	-3.0 [-0.9]	-2.7 [-0.8]	-2.7 [-0.8]	-1.6 [-0.5]	-1.4 [-0.4]	-1.4 [-0.4]
		Power	2.7	2.6	2.6	2.8	2.7	2.7	2.7	2.6	2.6
	110°F [43.3°C]	Total kBtu/h [kW]	9.1 [2.7]	8.6 [2.5]	8.6 [2.5]	8.8 [2.6]	8.4 [2.5]	8.4 [2.4]	7.5 [2.2]	7.2 [2.1]	7.2 [2.1]
		Sens kBtu/h [kW]	-6.8 [-2]	-6.0 [-1.8]	-6.0 [-1.8]	-5.1 [-1.5]	-4.5 [-1.3]	-4.5 [-1.3]	-3.8 [-1.1]	-3.3 [-1.0]	-3.3 [-1.0]
		Power	2.9	2.8	2.8	3.0	2.9	2.9	2.9	2.8	2.8
	120°F [48.9°C]	Total kBtu/h [kW]	6.5 [1.9]	6.2 [1.8]	6.2 [1.8]	6.2 [1.8]	5.9 [1.7]	5.9 [1.7]	4.9 [1.4]	4.7 [1.4]	4.7 [1.4]
		Sens kBtu/h [kW]	-9.3 [-2.7]	-8.2 [-2.4]	-8.2 [-2.4]	-7.6 [-2.2]	-6.7 [-2.0]	-6.7 [-2.0]	-6.2 [-1.8]	-5.5 [-1.6]	-5.5 [-1.6]
		Power	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.0	3.0

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power—kW input

NOTES: ① When the entering air dry bulb is other than 75°F [23.9°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA (LOW HUMIDIDRY MODE)—RGECYC048

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			1200 [566]	875 [413]	940 [444]	1200 [566]	875 [413]	940 [444]	1200 [566]	875 [413]	940 [444]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	15.0 [4.4]	14.1 [4.1]	14.2 [4.2]	13.1 [3.8]	12.2 [3.6]	12.4 [3.6]	14.5 [4.3]	13.6 [4.0]	13.8 [4.0]	
		Sens kBtu/h [kW]	0.3 [0.1]	0.3 [0.1]	0.3 [0.1]	0.4 [0.1]	0.4 [0.1]	0.4 [0.1]	4.0 [1.2]	3.4 [1.0]	3.6 [1.0]	
		Power	2.4	2.3	2.3	2.4	2.3	2.4	2.1	2.0	2.0	
	65°F [18.3°C]	Total kBtu/h [kW]	16.1 [4.7]	15.1 [4.4]	15.3 [4.5]	14.1 [4.1]	13.2 [3.9]	13.4 [3.9]	15.6 [4.6]	14.6 [4.3]	14.8 [4.3]	
		Sens kBtu/h [kW]	1.5 [0.4]	1.3 [0.4]	1.3 [0.4]	1.6 [0.5]	1.3 [0.4]	1.4 [0.4]	5.2 [1.5]	4.4 [1.3]	4.5 [1.3]	
		Power	2.2	2.1	2.1	2.2	2.2	2.2	1.9	1.8	1.8	
	70°F [21.1°C]	Total kBtu/h [kW]	16.8 [4.9]	15.7 [4.6]	15.9 [4.7]	14.8 [4.3]	13.9 [4.1]	14.1 [4.1]	16.3 [4.8]	15.3 [4.5]	15.5 [4.5]	
		Sens kBtu/h [kW]	2.2 [0.6]	1.9 [0.6]	2.0 [0.6]	2.3 [0.7]	2.0 [0.6]	2.0 [0.6]	5.9 [1.7]	5.0 [1.5]	5.2 [1.5]	
		Power	2.1	2.0	2.0	2.1	2.1	2.1	1.8	1.7	1.7	
	75°F [23.9°C]	Total kBtu/h [kW]	17.1 [5.0]	16.0 [4.7]	16.2 [4.8]	15.1 [4.4]	14.2 [4.2]	14.4 [4.2]	16.6 [4.9]	15.6 [4.6]	15.8 [4.6]	
		Sens kBtu/h [kW]	2.6 [0.8]	2.2 [0.6]	2.3 [0.7]	2.7 [0.8]	2.3 [0.7]	2.4 [0.7]	6.3 [1.8]	5.3 [1.6]	5.5 [1.6]	
		Power	2.0	1.9	1.9	2.0	2.0	2.0	1.7	1.6	1.7	
	80°F [26.7°C]	Total kBtu/h [kW]	17.0 [5.0]	16.0 [4.7]	16.2 [4.7]	15.1 [4.4]	14.1 [4.1]	14.3 [4.2]	16.6 [4.9]	15.5 [4.6]	15.7 [4.6]	
		Sens kBtu/h [kW]	2.6 [0.8]	2.2 [0.6]	2.3 [0.7]	2.7 [0.8]	2.3 [0.7]	2.3 [0.7]	6.2 [1.8]	5.3 [1.6]	5.5 [1.6]	
		Power	2.0	1.9	1.9	2.0	2.0	2.0	1.7	1.6	1.6	
	85°F [29.4°C]	Total kBtu/h [kW]	16.6 [4.9]	15.6 [4.6]	15.8 [4.6]	14.7 [4.3]	13.7 [4.0]	13.9 [4.1]	16.1 [4.7]	15.1 [4.4]	15.3 [4.5]	
		Sens kBtu/h [kW]	2.2 [0.6]	1.8 [0.5]	1.9 [0.6]	2.3 [0.7]	1.9 [0.6]	2.0 [0.6]	5.8 [1.7]	5.0 [1.5]	5.2 [1.5]	
		Power	2.0	1.9	1.9	2.0	2.0	2.0	1.7	1.6	1.7	
	90°F [32.2°C]	Total kBtu/h [kW]	15.8 [4.6]	14.8 [4.3]	15.0 [4.4]	13.8 [4.1]	13.0 [3.8]	13.1 [3.8]	15.3 [4.5]	14.4 [4.2]	14.6 [4.3]	
		Sens kBtu/h [kW]	1.4 [0.4]	1.2 [0.3]	1.2 [0.4]	1.5 [0.4]	1.3 [0.4]	1.3 [0.4]	5.1 [1.5]	4.3 [1.3]	4.5 [1.3]	
		Power	2.1	2.0	2.0	2.1	2.1	2.1	1.8	1.7	1.7	

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYC048

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			1800 [850]	1460 [689]	1400 [661]	1800 [850]	1460 [689]	1400 [661]	1800 [850]	1460 [689]	1400 [661]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	25.4 [7.4]	24.3 [7.1]	24.1 [7.1]	24.6 [7.2]	23.6 [6.9]	23.4 [6.9]	21.6 [6.3]	20.7 [6.1]	20.5 [6.0]	
		Sens kBtu/h [kW]	6.8 [2.0]	6.1 [1.8]	6.0 [1.8]	7.1 [2.1]	6.4 [1.9]	6.3 [1.9]	4.6 [1.4]	4.2 [1.2]	4.1 [1.2]	
		Power	2.5	2.5	2.5	2.4	2.4	2.4	2.2	2.2	2.2	
	70°F [21.1°C]	Total kBtu/h [kW]	23.5 [6.9]	22.5 [6.6]	22.4 [6.6]	22.7 [6.7]	21.8 [6.4]	21.6 [6.3]	19.7 [5.8]	18.9 [5.5]	18.7 [5.5]	
		Sens kBtu/h [kW]	5.4 [1.6]	4.9 [1.4]	4.8 [1.4]	5.7 [1.7]	5.2 [1.5]	5.1 [1.5]	3.2 [1.0]	2.9 [0.9]	2.9 [0.8]	
		Power	2.7	2.6	2.6	2.6	2.6	2.5	2.4	2.4	2.4	
	80°F [26.7°C]	Total kBtu/h [kW]	21.4 [6.3]	20.5 [6.0]	20.4 [6.0]	20.6 [6.1]	19.8 [5.8]	19.7 [5.8]	17.6 [5.2]	16.9 [4.9]	16.8 [4.9]	
		Sens kBtu/h [kW]	3.7 [1.1]	3.4 [1.0]	3.3 [1.0]	4.1 [1.2]	3.7 [1.1]	3.6 [1.1]	1.6 [0.5]	1.4 [0.4]	1.4 [0.4]	
		Power	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.6	
	90°F [32.2°C]	Total kBtu/h [kW]	19.1 [5.6]	18.3 [5.4]	18.2 [5.3]	18.4 [5.4]	17.6 [5.2]	17.5 [5.1]	15.3 [4.5]	14.7 [4.3]	14.6 [4.3]	
		Sens kBtu/h [kW]	1.8 [0.5]	1.6 [0.5]	1.6 [0.5]	2.1 [0.6]	1.9 [0.6]	1.9 [0.5]	-0.4 [-0.1]	-0.4 [-0.1]	-0.3 [-0.1]	
		Power	3.3	3.2	3.2	3.2	3.1	3.1	3	2.9	2.9	
	100°F [37.8°C]	Total kBtu/h [kW]	16.6 [4.9]	16.0 [4.7]	15.8 [4.6]	15.9 [4.7]	15.2 [4.5]	15.1 [4.4]	12.8 [3.8]	12.3 [3.6]	12.2 [3.6]	
		Sens kBtu/h [kW]	-0.5 [-0.1]	-0.4 [-0.1]	-0.4 [-0.1]	-0.1 [0.0]	-0.1 [0.0]	-0.1 [0.0]	-2.6 [-0.8]	-2.4 [-0.7]	-2.3 [-0.7]	
		Power	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.3	3.3	
	110°F [43.3°C]	Total kBtu/h [kW]	14.0 [4.1]	13.4 [3.9]	13.3 [3.9]	13.2 [3.9]	12.7 [3.7]	12.6 [3.7]	10.2 [3.0]	9.7 [2.9]	9.7 [2.8]	
		Sens kBtu/h [kW]	-3.0 [-0.9]	-2.7 [-0.8]	-2.7 [-0.8]	-2.7 [-0.8]	-2.4 [-0.7]	-2.3 [-0.7]	-5.2 [-1.5]	-4.7 [-1.4]	-4.6 [-1.3]	
		Power	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.8	3.8	
	120°F [48.9°C]	Total kBtu/h [kW]	11.1 [3.2]	10.6 [3.1]	10.6 [3.1]	10.3 [3.0]	9.9 [2.9]	9.8 [2.9]	7.3 [2.1]	7.0 [2.0]	6.9 [2.0]	
		Sens kBtu/h [kW]	-5.8 [-1.7]	-5.2 [-1.5]	-5.1 [-1.5]	-5.5 [-1.6]	-4.9 [-1.4]	-4.8 [-1.4]	-8.0 [-2.3]	-7.2 [-2.1]	-7.0 [-2.1]	
		Power	4.7	4.7	4.6	4.7	4.6	4.5	4.5	4.4	4.4	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 75°F [23.9°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA (LOW HUMIDIDRY MODE)—RGECYC060

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			1500 [708]	1215 [573]	1175 [555]	1500 [708]	1215 [573]	1175 [555]	1500 [708]	1215 [573]	1175 [555]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	26.3 [7.7]	25.3 [7.4]	25.1 [7.4]	24.8 [7.3]	23.8 [7.0]	23.7 [6.9]	24.0 [7.0]	23.1 [6.8]	22.9 [6.7]	
		Sens kBtu/h [kW]	7.2 [2.1]	6.5 [1.9]	6.4 [1.9]	8.1 [2.4]	7.3 [2.1]	7.2 [2.1]	10.0 [2.9]	9.0 [2.6]	8.9 [2.6]	
		Power	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	
	65°F [18.3°C]	Total kBtu/h [kW]	25.7 [7.5]	24.7 [7.2]	24.5 [7.2]	24.2 [7.1]	23.2 [6.8]	23.1 [6.8]	23.4 [6.9]	22.5 [6.6]	22.3 [6.5]	
		Sens kBtu/h [kW]	6.8 [2.0]	6.1 [1.8]	6.0 [1.8]	7.7 [2.3]	7.0 [2.0]	6.9 [2.0]	9.6 [2.8]	8.7 [2.5]	8.5 [2.5]	
		Power	2.0	1.9	1.9	2.0	2.0	2.0	2.4	2.4	2.3	
	70°F [21.1°C]	Total kBtu/h [kW]	25.0 [7.3]	24.0 [7.0]	23.8 [7.0]	23.5 [6.9]	22.5 [6.6]	22.4 [6.6]	22.7 [6.6]	21.8 [6.4]	21.6 [6.3]	
		Sens kBtu/h [kW]	6.3 [1.9]	5.7 [1.7]	5.6 [1.6]	7.2 [2.1]	6.5 [1.9]	6.4 [1.9]	9.1 [2.7]	8.2 [2.4]	8.1 [2.4]	
		Power	2.0	2.0	2.0	2.1	2.0	2.0	2.5	2.4	2.4	
	75°F [23.9°C]	Total kBtu/h [kW]	24.1 [7.1]	23.1 [6.8]	23 [6.7]	22.6 [6.6]	21.6 [6.3]	21.5 [6.3]	21.8 [6.4]	20.9 [6.1]	20.8 [6.1]	
		Sens kBtu/h [kW]	5.7 [1.7]	5.1 [1.5]	5.0 [1.5]	6.6 [1.9]	6.0 [1.7]	5.9 [1.7]	8.5 [2.5]	7.7 [2.2]	7.5 [2.2]	
		Power	2.1	2.1	2.1	2.2	2.1	2.1	2.6	2.5	2.5	
	80°F [26.7°C]	Total kBtu/h [kW]	23.1 [6.8]	22.1 [6.5]	22.0 [6.4]	21.5 [6.3]	20.6 [6.0]	20.5 [6.0]	20.7 [6.1]	19.9 [5.8]	19.8 [5.8]	
		Sens kBtu/h [kW]	4.9 [1.4]	4.4 [1.3]	4.4 [1.3]	5.8 [1.7]	5.3 [1.5]	5.2 [1.5]	7.7 [2.3]	7.0 [2.0]	6.9 [2.0]	
		Power	2.2	2.2	2.2	2.3	2.2	2.2	2.7	2.6	2.6	
	85°F [29.4°C]	Total kBtu/h [kW]	21.9 [6.4]	21.0 [6.1]	20.8 [6.1]	20.3 [6.0]	19.5 [5.7]	19.4 [5.7]	19.6 [5.7]	18.8 [5.5]	18.6 [5.5]	
		Sens kBtu/h [kW]	4.0 [1.2]	3.6 [1.1]	3.6 [1.0]	5.0 [1.5]	4.5 [1.3]	4.4 [1.3]	6.8 [2.0]	6.2 [1.8]	6.1 [1.8]	
		Power	2.4	2.3	2.3	2.4	2.4	2.4	2.8	2.8	2.8	
	90°F [32.2°C]	Total kBtu/h [kW]	20.5 [6.0]	19.7 [5.8]	19.6 [5.7]	19.0 [5.6]	18.2 [5.3]	18.1 [5.3]	18.2 [5.3]	17.5 [5.1]	17.4 [5.1]	
		Sens kBtu/h [kW]	3.0 [0.9]	2.7 [0.8]	2.7 [0.8]	3.9 [1.2]	3.5 [1.0]	3.5 [1.0]	5.8 [1.7]	5.2 [1.5]	5.2 [1.5]	
		Power	2.5	2.5	2.5	2.6	2.5	2.5	3.0	2.9	2.9	

GROSS SYSTEMS PERFORMANCE DATA (HIGH HUMIDIDRY MODE)—RGECYC060

ENTERING INDOOR AIR @ 75°F [23.9°C] dbE ①												
wbE			65.3°F [18.5°C]			64°F [17.8°C]			62.5°F [16.9°C]			
CFM [L/s]			2250 [1062]	1840 [868]	1750 [826]	2250 [1062]	1840 [868]	1750 [826]	2250 [1062]	1840 [868]	1750 [826]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	60°F [15.6°C]	Total kBtu/h [kW]	37.3 [10.9]	35.8 [10.5]	35.5 [10.4]	35.2 [10.3]	33.9 [9.9]	33.6 [9.8]	34.4 [10.1]	33.0 [9.7]	32.7 [9.6]	
		Sens kBtu/h [kW]	20.1 [5.9]	18.2 [5.3]	17.8 [5.2]	18.6 [5.5]	16.9 [4.9]	16.5 [4.8]	20.6 [6.0]	18.6 [5.5]	18.2 [5.3]	
		Power	3.2	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.1	
	70°F [21.1°C]	Total kBtu/h [kW]	35.3 [10.3]	33.9 [9.9]	33.6 [9.9]	33.3 [9.8]	32.0 [9.4]	31.7 [9.3]	32.4 [9.5]	31.2 [9.1]	30.9 [9.1]	
		Sens kBtu/h [kW]	18.2 [5.3]	16.5 [4.8]	16.1 [4.7]	16.7 [4.9]	15.1 [4.4]	14.8 [4.3]	18.7 [5.5]	16.9 [5.0]	16.5 [4.8]	
		Power	3.3	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.2	
	80°F [26.7°C]	Total kBtu/h [kW]	32.8 [9.6]	31.5 [9.2]	31.3 [9.2]	30.8 [9.0]	29.6 [8.7]	29.3 [8.6]	29.9 [8.8]	28.8 [8.4]	28.5 [8.4]	
		Sens kBtu/h [kW]	15.7 [4.6]	14.2 [4.2]	13.9 [4.1]	14.2 [4.2]	12.9 [3.8]	12.6 [3.7]	16.2 [4.7]	14.6 [4.3]	14.3 [4.2]	
		Power	3.6	3.5	3.5	3.5	3.4	3.4	3.6	3.5	3.5	
	90°F [32.2°C]	Total kBtu/h [kW]	29.7 [8.7]	28.6 [8.4]	28.3 [8.3]	27.7 [8.1]	26.6 [7.8]	26.4 [7.7]	26.9 [7.9]	25.8 [7.6]	25.6 [7.5]	
		Sens kBtu/h [kW]	12.6 [3.7]	11.4 [3.3]	11.1 [3.3]	11.1 [3.3]	10.1 [3.0]	9.8 [2.9]	13.1 [3.8]	11.8 [3.5]	11.6 [3.4]	
		Power	3.9	3.9	3.8	3.8	3.7	3.7	3.9	3.8	3.8	
	100°F [37.8°C]	Total kBtu/h [kW]	26.1 [7.7]	25.1 [7.4]	24.9 [7.3]	24.1 [7.1]	23.1 [6.8]	22.9 [6.7]	23.2 [6.8]	22.3 [6.5]	22.1 [6.5]	
		Sens kBtu/h [kW]	8.9 [2.6]	8.1 [2.4]	7.9 [2.3]	7.4 [2.2]	6.7 [2.0]	6.6 [1.9]	9.4 [2.7]	8.5 [2.5]	8.3 [2.4]	
		Power	4.4	4.3	4.3	4.3	4.2	4.2	4.4	4.3	4.3	
	110°F [43.3°C]	Total kBtu/h [kW]	21.9 [6.4]	21.1 [6.2]	20.9 [6.1]	19.9 [5.8]	19.1 [5.6]	18.9 [5.5]	19.0 [5.6]	18.3 [5.4]	18.1 [5.3]	
		Sens kBtu/h [kW]	4.6 [1.4]	4.2 [1.2]	4.1 [1.2]	3.2 [0.9]	2.9 [0.8]	2.8 [0.8]	5.1 [1.5]	4.6 [1.4]	4.5 [1.3]	
		Power	4.9	4.8	4.8	4.8	4.7	4.7	4.9	4.8	4.8	
	120°F [48.9°C]	Total kBtu/h [kW]	17.2 [5.0]	16.5 [4.8]	16.3 [4.8]	15.1 [4.4]	14.5 [4.3]	14.4 [4.2]	14.3 [4.2]	13.7 [4.0]	13.6 [4.0]	
		Sens kBtu/h [kW]	-0.3 [-0.1]	-0.2 [-0.1]	-0.2 [-0.1]	-1.7 [-0.5]	-1.6 [-0.5]	-1.5 [-0.4]	0.2 [0.1]	0.2 [0.1]	0.2 [0.1]	
		Power	5.6	5.5	5.4	5.5	5.4	5.3	5.6	5.4	5.4	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h
Sens —Sensible capacity x 1000 Btu/h
Power —kW input

NOTES: ① When the entering air dry bulb is other than 75°F [23.9°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

3–6T—LOW STATIC—SIDEFLOW (208-230V/575V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
RGECYB036 (3T)	1050/1350	3/4 HP [559]	Fan Only - 15 oz-ft	CFM	1066	871	751	646	552	405	325	283
				WATTS	145	125	129	136	142	150	155	161
		3/4 HP [559]	Low Heat - 28.5 oz-ft	CFM	1419	1348	1278	1213	1146	1085	1012	946
				WATTS	203	214	224	234	244	255	264	273
		3/4 HP [559]	High Heat - 36.8 oz-ft	CFM	1615	1558	1503	1439	1380	1320	1268	1208
				WATTS	288	299	311	322	333	345	358	370
		3/4 HP [559]	Rated Cool - 33 oz-ft	CFM	1466	1401	1334	1252	1189	1128	1063	992
				WATTS	277	288	297	310	320	331	338	349
		3/4 HP [559]	Max Speed - 55 oz-ft	CFM	1931	1879	1816	1759	1706	1648	1596	1539
				WATTS	546	559	576	589	602	617	631	648
RGECYB048 (4T)	1400/1800	3/4 HP [559]	Fan Only - 15 oz-ft	CFM	981	892	800	709	622	510	440	359
				WATTS	94	102	110	117	124	130	135	141
		3/4 HP [559]	Low Heat - 33 oz-ft	CFM	1498	1437	1372	1318	1259	1205	1148	1091
				WATTS	260	272	284	294	306	317	326	337
		3/4 HP [559]	High Heat - 45.8 oz-ft	CFM	1796	1738	1684	1628	1573	1523	1466	1418
				WATTS	408	422	436	449	462	474	488	499
		3/4 HP [559]	Rated Cool - 48 oz-ft	CFM	1860	1803	1743	1677	1621	1563	1515	1466
				WATTS	424	438	450	467	481	495	510	525
		3/4 HP [559]	Max Speed - 54 oz-ft	CFM	1952	1892	1850	1793	1754	1698	1651	1601
				WATTS	516	533	546	561	573	589	605	620
RGECYB060 (5T)	1750/2250	1 HP [745]	Fan Only - 20 oz-ft	CFM	1046	970	893	817	728	648	572	501
				WATTS	136	145	154	162	169	176	182	188
		1 HP [745]	Low Heat - 35.2 oz-ft	CFM	1525	1458	1406	1345	1287	1233	1172	1117
				WATTS	280	295	307	320	332	343	354	368
		1 HP [745]	High Heat - 48.5 oz-ft	CFM	1804	1758	1704	1650	1597	1545	1494	1449
				WATTS	441	453	467	482	497	512	524	541
		1 HP [745]	Rated Cool - 65 oz-ft	CFM	2087	2037	1989	1945	1907	1868	1833	1792
				WATTS	655	670	687	702	718	737	762	783
		1 HP [745]	Max Speed - 72 oz-ft	CFM	2183	2138	2093	2051	2009	1967	1928	1889
				WATTS	755	770	791	805	824	842	858	877
RGECYB072 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - 27.5 oz-ft	CFM	1246	1175	1106	1030	960	891	830	763
				WATTS	196	205	214	224	235	244	252	260
		1.2 HP [895]	High Heat - 48.5 oz-ft	CFM	1738	1660	1597	1545	1490	1432	1368	1316
				WATTS	428	441	454	465	478	492	508	523
		1.2 HP [895]	Low Cool - 33.8 oz-ft	CFM	1437	1367	1300	1227	1156	1091	1031	970
				WATTS	259	270	279	291	302	315	325	334
		1.2 HP [895]	High Cool - 85 oz-ft	CFM	2345	2301	2267	2230	2189	2152	2111	2081
				WATTS	969	991	1009	1030	1053	1071	1094	1116
		1.2 HP [895]	Max Speed - 90 oz-ft	CFM	2398	2361	2319	2285	2244	2211	2180	2144
				WATTS	1056	1078	1101	1129	1152	1177	1198	1223

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–6T—HIGH STATIC—SIDEFLOW (208-230V/575V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.8 [.2]	0.9 [.22]	1 [.25]	1.1 [.27]	1.2 [.3]	1.3 [.32]	1.4 [.35]	1.5 [.37]
RGECYB036 (3T)	1050/1350	1.5 HP [1119]	Fan Only - 28.4 oz-ft	CFM	853	778	704	620	568	513	467	428
				WATTS	296	304	311	319	328	330	340	349
		1.5 HP [1119]	Low Heat - 46.6 oz-ft	CFM	1370	1322	1273	1159	1097	1038	967	924
				WATTS	519	532	544	524	535	545	558	565
		1.5 HP [1119]	High Heat - 55.1 oz-ft	CFM	1555	1508	1464	1417	1373	1321	1272	1222
				WATTS	629	643	656	667	679	696	709	725
		1.5 HP [1119]	Rated Cool - 48 oz-ft	CFM	1395	1340	1296	1250	1188	1135	1073	1015
				WATTS	535	548	559	569	586	596	609	618
		1.5 HP [1119]	Max Speed - 72 oz-ft	CFM	1881	1834	1798	1760	1720	1688	1660	1574
				WATTS	885	903	917	930	952	973	997	994
RGECYB048 (4T)	1400/1800	1.5 HP [1119]	Fan Only - 43.06 oz-ft	CFM	1311	1262	1209	1154	1098	1037	984	926
				WATTS	437	448	458	470	481	494	502	516
		1.5 HP [1119]	Low Heat - 49.30 oz-ft	CFM	1457	1405	1353	1305	1259	1202	1156	1102
				WATTS	509	520	535	542	558	571	581	591
		1.5 HP [1119]	High Heat - 64.50 oz-ft	CFM	1762	1718	1667	1621	1573	1526	1486	1439
				WATTS	713	726	741	758	771	781	793	808
		1.5 HP [1119]	Rated Cool - 66.20 oz-ft	CFM	1793	1750	1701	1657	1620	1566	1515	1469
				WATTS	732	747	761	778	789	805	820	830
		1.5 HP [1119]	Max Speed - 73.8 oz-ft	CFM	1928	1880	1835	1790	1753	1702	1668	1618
				WATTS	835	853	868	888	900	916	935	950
RGECYB060 (5T)	1750/2250	1.5 HP [1119]	Fan Only - 40.5 oz-ft	CFM	1140	1079	1023	964	909	851	796	741
				WATTS	426	438	448	457	466	475	482	490
		1.5 HP [1119]	Low Heat - 55.5 oz-ft	CFM	1480	1434	1384	1336	1283	1232	1181	1131
				WATTS	634	646	659	672	684	697	710	721
		1.5 HP [1119]	High Heat - 71.25 oz-ft	CFM	1771	1724	1681	1639	1593	1549	1507	1473
				WATTS	874	889	903	918	934	948	964	977
		1.5 HP [1119]	Rated Cool - 91.75 oz-ft	CFM	2046	2006	1970	1933	1896	1859	1811	1776
				WATTS	1204	1221	1239	1256	1274	1289	1307	1325
		1.5 HP [1119]	Max Speed - 101 oz-ft	CFM	2152	2114	2078	2046	2004	1953	1898	1857
				WATTS	1362	1381	1401	1418	1423	1419	1414	1410
RGECYB072 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - 36.5 oz-ft	CFM	1068	981	876	774	694	549	443	404
				WATTS	407	402	391	387	386	376	369	364
		1.2 HP [895]	High Heat - 69 oz-ft	CFM	1299	1217	1115	1022	934	830	729	584
				WATTS	534	526	515	507	497	487	473	458
		1.2 HP [895]	Low Cool - 52.5 oz-ft	CFM	1428	1378	1334	1282	1235	1186	1138	1092
				WATTS	578	593	605	619	631	643	656	669
		1.2 HP [895]	High Cool - 96 oz-ft	CFM	2148	2090	2038	1978	1917	1860	1811	1747
				WATTS	1216	1222	1228	1237	1238	1238	1246	1246
		1.2 HP [895]	Max Speed - 96 oz-ft	CFM	2148	2090	2038	1978	1917	1860	1811	1747
				WATTS	1216	1222	1228	1237	1238	1238	1246	1246

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–6T—LOW STATIC—SIDEFLOW (460V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
RGECYB036 (3T)	1050/1350	3/4 HP [559]	Fan Only - 15 oz-ft	CFM	938	836	745	647	538	415	359	311
				WATTS	114	121	130	136	142	146	151	158
		3/4 HP [559]	Low Heat - 15.1 oz-ft	CFM	936	835	751	649	539	429	361	313
				WATTS	115	123	130	137	143	147	154	161
		3/4 HP [559]	High Heat - 29 oz-ft	CFM	1358	1281	1206	1141	1078	1010	939	860
				WATTS	233	244	255	264	274	285	294	306
		3/4 HP [559]	Rated Cool - 33 oz-ft	CFM	1461	1389	1311	1246	1183	1122	1057	973
				WATTS	273	284	296	306	316	326	337	349
		3/4 HP [559]	Max Speed - 55 oz-ft	CFM	1916	1867	1807	1746	1690	1644	1595	1550
				WATTS	542	557	567	582	597	611	628	646
RGECYB048 (4T)	1400/1800	3/4 HP [559]	Fan Only - 15 oz-ft	CFM	964	876	777	680	568	482	404	326
				WATTS	92	100	107	115	121	127	132	138
		3/4 HP [559]	Low Heat - 25.2 oz-ft	CFM	1297	1215	1140	1061	990	913	832	749
				WATTS	172	182	192	204	214	223	232	239
		3/4 HP [559]	High Heat - 43.8 oz-ft	CFM	1744	1683	1616	1549	1498	1438	1387	1333
				WATTS	363	376	389	405	417	431	447	461
		3/4 HP [559]	Rated Cool - 48 oz-ft	CFM	1829	1762	1695	1634	1577	1523	1476	1423
				WATTS	415	428	444	458	473	487	504	518
		3/4 HP [559]	Max Speed - 60 oz-ft	CFM	2045	1987	1929	1873	1810	1764	1729	1678
				WATTS	565	577	595	611	628	644	663	682
RGECYB060 (5T)	1750/2250	1 HP [745]	Fan Only - 20 oz-ft	CFM	1012	933	851	779	703	617	542	471
				WATTS	126	134	142	149	156	164	170	176
		1 HP [745]	Low Heat - 25 oz-ft	CFM	1244	1168	1096	1031	963	905	841	761
				WATTS	172	182	192	202	211	219	226	234
		1 HP [745]	High Heat - 50.10 oz-ft	CFM	1824	1775	1722	1666	1607	1561	1513	1468
				WATTS	448	463	475	490	503	516	531	547
		1 HP [745]	Rated Cool - 65 oz-ft	CFM	2083	2033	1991	1951	1914	1873	1834	1795
				WATTS	663	681	694	713	731	749	767	788
		1 HP [745]	Max Speed - 72 oz-ft	CFM	2198	2162	2120	2077	2033	1984	1950	1896
				WATTS	774	792	807	822	838	856	876	896
RGECYB072 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - 26.5 oz-ft	CFM	1198	1127	1053	984	915	841	772	698
				WATTS	181	191	200	211	219	228	238	245
		1.2 HP [895]	High Heat - 48 oz-ft	CFM	1731	1673	1628	1554	1499	1443	1392	1336
				WATTS	436	447	467	466	476	488	503	513
		1.2 HP [895]	Low Cool - 33.8 oz-ft	CFM	1402	1336	1272	1207	1143	1075	1025	954
				WATTS	257	267	277	289	299	309	323	332
		1.2 HP [895]	High Cool - 85 oz-ft	CFM	2362	2312	2262	2219	2169	2128	2087	2042
				WATTS	1010	1023	1039	1051	1054	1072	1089	1098
		1.2 HP [895]	Max Speed - 90 oz-ft	CFM	2408	2363	2318	2280	2233	2203	2155	2121
				WATTS	1078	1098	1110	1125	1142	1167	1180	1195

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–6T—HIGH STATIC—SIDEFLOW (460V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.8 [.2]	0.9 [.22]	1 [.25]	1.1 [.27]	1.2 [.3]	1.3 [.32]	1.4 [.35]	1.5 [.37]
RGECYB036 (3T)	1050/1350	1 HP [745]	Fan Only - 30.6 oz-ft	CFM	860	780	696	589	534	508	455	427
				WATTS	303	311	317	325	332	338	347	354
		1 HP [745]	Low Heat - 38.3 oz-ft	CFM	649	1036	969	895	816	768	673	607
				WATTS	394	403	412	421	430	435	445	451
		1 HP [745]	High Heat - 54.8 oz-ft	CFM	1487	1437	1388	1342	1300	1250	1192	1101
				WATTS	618	630	644	655	668	683	696	692
		1 HP [745]	Rated Cool - 50.3 oz-ft	CFM	1386	1336	1291	1239	1187	1124	1066	1003
				WATTS	554	566	576	590	602	614	627	636
		1 HP [745]	Max Speed - 80 oz-ft	CFM	1974	1921	1865	1762	1641	1497	1272	1083
				WATTS	1030	1028	1026	1000	939	856	743	677
RGECYB048 (4T)	1400/1800	1 HP [745]	Fan Only - 29 oz-ft	CFM	861	782	713	647	568	503	448	400
				WATTS	273	282	289	295	302	309	317	322
		1 HP [745]	Low Heat - 41.6 oz-ft	CFM	1237	1178	1120	1060	990	937	877	818
				WATTS	421	431	442	451	464	471	479	487
		1 HP [745]	High Heat - 61.1 oz-ft	CFM	1704	1653	1603	1553	1498	1447	1397	1349
				WATTS	695	709	725	741	755	767	780	792
		1 HP [745]	Rated Cool - 64.5 oz-ft	CFM	1779	1734	1682	1635	1577	1531	1474	1427
				WATTS	748	764	781	796	814	829	840	852
		1 HP [745]	Max Speed - 75 oz-ft	CFM	1978	1933	1884	1839	1780	1717	1636	1574
				WATTS	920	937	955	971	979	975	972	971
RGECYB060 (5T)	1750/2250	1.2 HP [895]	Fan Only - 34 oz-ft	CFM	956	892	834	771	698	645	570	523
				WATTS	335	342	351	354	362	370	377	385
		1.2 HP [895]	Low Heat - 43.5 oz-ft	CFM	1209	1150	1078	1015	967	910	855	795
				WATTS	445	458	464	472	484	496	503	506
		1.2 HP [895]	High Heat - 69.3 oz-ft	CFM	1795	1745	1699	1652	1612	1564	1522	1478
				WATTS	841	859	874	886	905	915	928	942
		1.2 HP [895]	Rated Cool - 87.2 oz-ft	CFM	2084	2048	2003	1960	1922	1874	1823	1777
				WATTS	1151	1170	1188	1204	1219	1232	1242	1255
		1.2 HP [895]	Max Speed - 96 oz-ft	CFM	2161	2093	2047	1991	1942	1881	1830	1767
				WATTS	1243	1243	1244	1244	1243	1245	1242	1243
RGECYB072 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - 36.5 oz-ft	CFM	1009	947	885	814	747	675	593	530
				WATTS	356	365	375	385	394	404	413	421
		1.2 HP [895]	High Heat - 69 oz-ft	CFM	1768	1721	1675	1615	1559	1512	1470	1417
				WATTS	839	853	867	884	889	901	917	931
		1.2 HP [895]	Low Cool - 51 oz-ft	CFM	1399	1344	1293	1239	1181	1129	1079	1029
				WATTS	562	574	585	601	611	622	635	646
		1.2 HP [895]	High Cool - 96 oz-ft	CFM	2132	2080	2029	1974	1915	1847	1782	1732
				WATTS	1248	1251	1252	1253	1251	1253	1250	1250
		1.2 HP [895]	Max Speed - 96 oz-ft	CFM	2132	2080	2029	1974	1915	1847	1782	1732
				WATTS	1248	1251	1252	1253	1251	1253	1250	1250

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–5T—LOW STATIC—SIDEFLOW (208-230V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
RGECYC036 (3T)	1050/1350	3/4 HP [559]	Fan/Low Heat - 28.5 oz-ft	CFM	1419	1348	1278	1213	1146	1085	1012	946
				WATTS	203	214	224	234	244	255	264	273
		3/4 HP [559]	High Heat - 36.8 oz-ft	CFM	1615	1558	1503	1439	1380	1320	1268	1208
				WATTS	288	299	311	322	333	345	358	370
		3/4 HP [559]	Low Cool - 14 oz-ft	CFM	951	861	762	675	552	479	407	344
				WATTS	85	93	100	107	114	120	126	131
		3/4 HP [559]	High Cool - 27.6 oz-ft	CFM	1393	1323	1256	1184	1122	1054	978	907
				WATTS	195	205	216	226	236	245	254	263
		3/4 HP [559]	Max Speed - 55 oz-ft	CFM	1931	1879	1816	1759	1706	1648	1596	1539
				WATTS	546	559	576	589	602	617	631	648
RGECYC048 (4T)	1400/1800	3/4 HP [559]	Fan/Low Heat - 33 oz-ft	CFM	1498	1437	1372	1318	1259	1205	1148	1091
				WATTS	260	272	284	294	306	317	326	337
		3/4 HP [559]	High Heat - 45.8 oz-ft	CFM	1796	1738	1684	1628	1573	1523	1466	1418
				WATTS	408	422	436	449	462	474	488	499
		3/4 HP [559]	Low Cool - 14.7 oz-ft	CFM	1087	873	799	709	598	519	445	372
				WATTS	118	103	109	117	122	130	134	140
		3/4 HP [559]	High Cool - 43.06 oz-ft	CFM	1734	1675	1624	1574	1515	1465	1412	1359
				WATTS	376	390	402	415	428	441	451	461
		3/4 HP [559]	Max Speed - 54 oz-ft	CFM	1952	1892	1850	1793	1754	1698	1651	1601
				WATTS	516	533	546	561	573	589	605	620
RGECYC060 (5T)	1750/2250	1 HP [745]	Fan/Low Heat - 35.2 oz-ft	CFM	1525	1458	1406	1345	1287	1233	1172	1117
				WATTS	280	295	307	320	332	343	354	368
		1 HP [745]	High Heat - 48.5 oz-ft	CFM	1804	1758	1704	1650	1597	1545	1494	1449
				WATTS	441	453	467	482	497	512	524	541
		1 HP [745]	Low Cool - 27.8 oz-ft	CFM	1342	1279	1213	1149	1083	1016	953	893
				WATTS	207	218	229	238	248	259	269	277
		1 HP [745]	High Cool - 65 oz-ft	CFM	2087	2037	1989	1945	1907	1868	1833	1792
				WATTS	655	670	687	702	718	737	762	783
		1 HP [745]	Max Speed - 72 oz-ft	CFM	2183	2138	2093	2051	2009	1967	1928	1889
				WATTS	755	770	791	805	824	842	858	877

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–5T—HIGH STATIC—SIDEFLOW (208-230V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.8 [.2]	0.9 [.22]	1 [.25]	1.1 [.27]	1.2 [.3]	1.3 [.32]	1.4 [.35]	1.5 [.37]
RGECYC036 (3T)	1050/1350	1.5 HP [1119]	Fan/Low Heat - 46.6	CFM	1370	1322	1273	1159	1097	1038	967	924
				WATTS	519	532	544	524	535	545	558	565
		1.5 HP [1119]	High Heat - 55.10	CFM	1555	1508	1464	1417	1373	1321	1272	1222
				WATTS	629	643	656	667	679	696	709	725
		1.5 HP [1119]	Low Cool - 30.30	CFM	929	855	783	708	622	567	522	478
				WATTS	318	328	336	344	345	354	361	372
		1.5 HP [1119]	High Cool - 45.20	CFM	1336	1286	1239	1182	1121	1058	998	936
				WATTS	497	509	519	535	545	556	566	576
		1.5 HP [1119]	Max Speed - 72	CFM	1881	1834	1798	1760	1720	1688	1660	1574
				WATTS	885	903	917	930	952	973	997	994
RGECYC048 (4T)	1400/1800	1.5 HP [1119]	Fan/Low Heat - 49.3 oz-ft	CFM	1457	1405	1353	1305	1259	1202	1156	1102
				WATTS	509	520	535	542	558	571	581	591
		1.5 HP [1119]	High Heat - 64.5 oz-ft	CFM	1762	1718	1667	1621	1573	1526	1486	1439
				WATTS	713	726	741	758	771	781	793	808
		1.5 HP [1119]	Low Cool - 30.5 oz-ft	CFM	964	883	820	762	694	638	579	519
				WATTS	285	297	303	313	320	325	332	340
		1.5 HP [1119]	High Cool - 61 oz-ft	CFM	1702	1658	1605	1558	1515	1464	1417	1374
				WATTS	659	677	690	707	719	732	746	759
		1.5 HP [1119]	Max Speed - 73.8 oz-ft	CFM	1928	1880	1835	1790	1753	1702	1668	1618
				WATTS	835	853	868	888	900	916	935	950
RGECYC060 (5T)	1750/2250	1.5 HP [1119]	Fan/Low Heat - 55.5 oz-ft	CFM	1480	1434	1384	1336	1283	1232	1181	1131
				WATTS	634	646	659	672	684	697	710	721
		1.5 HP [1119]	High Heat - 71.25 oz-ft	CFM	1771	1724	1681	1639	1593	1549	1507	1473
				WATTS	874	889	903	918	934	948	964	977
		1.5 HP [1119]	Low Cool - 48.5 oz-ft	CFM	1331	1280	1219	1163	1108	1054	1002	951
				WATTS	532	545	555	568	578	589	599	608
		1.5 HP [1119]	High Cool - 91.75 oz-ft	CFM	2046	2006	1970	1933	1896	1859	1811	1776
				WATTS	1204	1221	1239	1256	1274	1289	1307	1325
		1.5 HP [1119]	Max Speed - 101 oz-ft	CFM	2152	2114	2078	2046	2004	1953	1898	1857
				WATTS	1362	1381	1401	1418	1423	1419	1414	1410

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–5T—LOW STATIC—SIDEFLOW (460V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
RGECYC036 (3T)	1050/1350	3/4 HP [559]	Fan/Low Heat - 21.5 oz-ft	CFM	1142	1058	981	905	818	733	645	518
				WATTS	165	174	183	192	202	208	214	222
		3/4 HP [559]	High Heat - 37.8 oz-ft	CFM	1568	1506	1434	1371	1308	1251	1193	1131
				WATTS	325	336	348	359	371	381	394	405
		3/4 HP [559]	Low Cool - 14 oz-ft	CFM	943	854	753	658	543	471	395	324
				WATTS	82	90	97	104	110	117	122	128
		3/4 HP [559]	High Cool - 27.6 oz-ft	CFM	1374	1311	1238	1172	1106	1035	960	892
				WATTS	189	199	209	219	229	240	250	258
		3/4 HP [559]	Max Speed - 55 oz-ft	CFM	1916	1867	1807	1746	1690	1644	1595	1550
				WATTS	542	557	567	582	597	611	628	646
RGECYC048 (4T)	1400/1800	3/4 HP [559]	Fan/Low Heat - 25.2 oz-ft	CFM	1297	1215	1140	1061	990	913	832	749
				WATTS	172	182	192	204	214	223	232	239
		3/4 HP [559]	High Heat - 43.8 oz-ft	CFM	1744	1683	1616	1549	1498	1438	1387	1333
				WATTS	363	376	389	405	417	431	447	461
		3/4 HP [559]	Low Cool - 14.7 oz-ft	CFM	958	871	785	703	583	509	440	370
				WATTS	91	99	106	113	120	126	132	137
		3/4 HP [559]	High Cool - 43.06 oz-ft	CFM	1720	1664	1609	1560	1511	1463	1404	1351
				WATTS	363	375	388	400	414	425	440	454
		3/4 HP [559]	Max Speed - 60 oz-ft	CFM	2045	1987	1929	1873	1810	1764	1729	1678
				WATTS	565	577	595	611	628	644	663	682
RGECYC060 (5T)	1750/2250	1 HP [745]	Fan/Low Heat - 25 oz-ft	CFM	1244	1168	1096	1031	963	905	841	761
				WATTS	172	182	192	202	211	219	226	234
		1 HP [745]	High Heat - 50.1 oz-ft	CFM	1824	1775	1722	1666	1607	1561	1513	1468
				WATTS	448	463	475	490	503	516	531	547
		1 HP [745]	Low Cool - 27.8 oz-ft	CFM	1315	1249	1182	1114	1047	994	928	862
				WATTS	199	208	219	229	238	246	255	263
		1 HP [745]	High Cool - 65 oz-ft	CFM	2083	2033	1991	1951	1914	1873	1834	1795
				WATTS	663	681	694	713	731	749	767	788
		1 HP [745]	Max Speed - 72 oz-ft	CFM	2198	2162	2120	2077	2033	1984	1950	1896
				WATTS	774	792	807	822	838	856	876	896

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

3–5T—HIGH STATIC—SIDEFLOW (460V)

Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/ WATTS	External Static Pressure - Inches W.C. [kPa]							
					0.8 [.2]	0.9 [.22]	1 [.25]	1.1 [.27]	1.2 [.3]	1.3 [.32]	1.4 [.35]	1.5 [.37]
RGECYC036 (3T)	1050/1350	1 HP [745]	Fan/Low Heat - 30.80 oz-ft	CFM	864	786	717	606	541	520	465	430
				WATTS	307	314	320	328	335	341	353	360
		1 HP [745]	High Heat - 45.7 oz-ft	CFM	1294	1238	1189	1132	1066	1009	938	874
				WATTS	488	501	513	523	535	544	555	564
		1 HP [745]	Low Cool - 32.8 oz-ft	CFM	933	859	762	707	608	541	519	484
				WATTS	328	337	346	350	358	367	373	384
		1 HP [745]	High Cool - 47.1 oz-ft	CFM	1318	1272	1220	1161	1103	1038	977	907
				WATTS	505	516	526	540	551	562	571	583
		1 HP [745]	Max Speed - 80 oz-ft	CFM	1974	1921	1865	1762	1641	1497	1272	1083
				WATTS	1030	1028	1026	1000	939	856	743	677
RGECYC048 (4T)	1400/1800	1 HP [745]	Fan/Low Heat - 41.6 oz-ft	CFM	1237	1178	1120	1060	990	937	877	818
				WATTS	421	431	442	451	464	471	479	487
		1 HP [745]	High Heat - 61.1 oz-ft	CFM	1704	1653	1603	1553	1498	1447	1397	1349
				WATTS	695	709	725	741	755	767	780	792
		1 HP [745]	Low Cool - 32 oz-ft	CFM	953	876	812	752	683	621	559	502
				WATTS	305	316	322	329	336	342	350	355
		1 HP [745]	High Cool - 61.6 oz-ft	CFM	1716	1671	1616	1566	1512	1462	1414	1367
				WATTS	702	717	733	750	763	775	789	800
		1 HP [745]	Max Speed - 75 oz-ft	CFM	1978	1933	1884	1839	1780	1717	1636	1574
				WATTS	920	937	955	971	979	975	972	971
RGECYC060 (5T)	1750/2250	1.2 HP [895]	Fan/Low Heat - 43.5 oz-ft	CFM	1209	1150	1078	1015	967	910	855	795
				WATTS	445	458	464	472	484	496	503	506
		1.2 HP [895]	High Heat - 69.3 oz-ft	CFM	1795	1745	1699	1652	1612	1564	1522	1478
				WATTS	841	859	874	886	905	915	928	942
		1.2 HP [895]	Low Cool - 48 oz-ft	CFM	1318	1268	1214	1157	1094	1030	976	926
				WATTS	524	535	547	557	564	571	580	588
		1.2 HP [895]	High Cool - 87.2 oz-ft	CFM	2084	2048	2003	1960	1922	1874	1823	1777
				WATTS	1151	1170	1188	1204	1219	1232	1242	1255
		1.2 HP [895]	Max Speed - 96 oz-ft	CFM	2161	2093	2047	1991	1942	1881	1830	1767
				WATTS	1243	1243	1244	1244	1243	1245	1242	1243

NOTES: *Tap 4 - Factory Cooling Tap
Pressure drops across the 3-5T CFM range (1050 - 2250): Wet coil: ~0.09 Inches W.C.
Downflow: ~0.1 Inches W.C. Reheat coil: ~0.09 Inches W.C.
Airflow data were collected using high gas heat models.

[ ] Designates Metric Conversions

ELECTRICAL DATA – RGECYB SERIES

		036ACT	036ACU	036ADT	036ADU	036AJT	036AYT	036AYU
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	24	29	10	11	25	9	11
	Minimum Circuit Ampacity with Power Exhaust	27	32	12	13	28	10	12
	Minimum Overcurrent Protection Device Size	30	35	15	15	30	15	15
	Minimum Overcurrent Protection Device Size with Power Exhaust	30	40	15	15	35	15	15
	Maximum Overcurrent Protection Device Size	35	40	15	15	35	15	15
	Maximum Overcurrent Protection Device Size with Power Exhaust	35	40	15	15	40	15	15
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA)	12.8	12.8	5.1	5.1	13.5	4.5	4.5
	Amps (LRA)	97.5	97.5	44.3	44.3	82.5	27.1	27.1
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/5	1/5	1/5	1/5	1/5	1/5	1/5
	Amps (FLA, each)	1	1	0.8	0.8	1	0.55	0.55
	Amps (LRA, each)	2.3	2.3	1.4	1.4	2.3	1.1	1.1
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	3/4	1-1/2	3/4	1	3/4	3/4	1-1/2
	Amps (FLA, each)	6	11.5	2.7	3.5	6	2.4	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYB SERIES

		048ACT	048ACU	048ADT	048ADU	048AJT	048AYT	048AYU
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	24	30	13	13	30	10	12
	Minimum Circuit Ampacity with Power Exhaust	27	33	15	16	34	11	14
	Minimum Overcurrent Protection Device Size	30	35	15	15	35	15	15
	Minimum Overcurrent Protection Device Size with Power Exhaust	30	40	20	20	40	15	15
	Maximum Overcurrent Protection Device Size	35	40	15	15	45	15	15
	Maximum Overcurrent Protection Device Size with Power Exhaust	35	40	20	20	50	15	15
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA)	12.2	12.2	6.4	6.4	17.3	5.1	5.1
	Amps (LRA)	120.4	120.4	48.5	48.5	126	41	41
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.3	2.3	1.5	1.5	2.3	1	1
	Amps (LRA, each)	5.1	5.1	3.1	3.1	5.1	2.2	2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	3/4	1-1/2	3/4	1	3/4	3/4	1-1/2
	Amps (FLA, each)	6	11.5	2.7	3.5	6	2.4	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYB SERIES

		060ACT	060ACU	060ADT	060ADU	060AJT	060AYT	060AYU
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	30	34	15	15	38	13	14
	Minimum Circuit Ampacity with Power Exhaust	33	37	17	17	41	14	15
	Minimum Overcurrent Protection Device Size	35	40	20	20	45	15	20
	Minimum Overcurrent Protection Device Size with Power Exhaust	40	45	20	20	50	15	20
	Maximum Overcurrent Protection Device Size	45	45	20	20	50	15	20
	Maximum Overcurrent Protection Device Size with Power Exhaust	45	50	20	20	60	15	20
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA)	16	16	7.7	7.7	21.8	6.4	6.4
	Amps (LRA)	156.4	156.4	58.1	58.1	143	47.8	47.8
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.3	2.3	1.5	1.5	2.3	1	1
	Amps (LRA, each)	5.1	5.1	3.1	3.1	5.1	2.2	2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	1	1-1/2	1	1-1/5	1	1	1-1/2
	Amps (FLA, each)	7.6	11.5	3.5	3.7	7.6	3.04	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYB SERIES

		072ACT	072ACU	072ADT	072ADU	072AYT	072AYU
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	518-633	518-633
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	38	38	18	18	13	13
	Minimum Circuit Ampacity with Power Exhaust	41	41	20	20	14	14
	Minimum Overcurrent Protection Device Size	45	45	20	20	15	15
	Minimum Overcurrent Protection Device Size with Power Exhaust	50	50	25	25	20	20
	Maximum Overcurrent Protection Device Size	50	50	25	25	15	15
	Maximum Overcurrent Protection Device Size with Power Exhaust	60	60	25	25	20	20
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Amps (RLA)	19.2	19.2	9.1	9.1	6.2	6.2
	Amps (LRA)	162	162	70.8	70.8	58.2	58.2
Condenser Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	575	575
	Phase	1	1	1	1	1	1
	HP	3/4	3/4	3/4	3/4	3/4	3/4
	Amps (FLA, each)	4.2	4.2	2.3	2.3	1.2	1.2
	Amps (LRA, each)	10.1	10.1	4.9	4.9	3.4	3.4
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1-1/5	1-1/5	1-1/5	1-1/5	1-1/5	1-1/5
	Amps (FLA, each)	9.6	9.6	3.7	3.7	3.8	3.8
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYB SERIES

		072ACT	072ACU	072ADT	072ADU
		with HUMIDIDRY			
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	460	460
	Phase	3	3	3	3
	Hz	60	60	60	60
	Minimum Circuit Ampacity	39	39	18	18
	Minimum Circuit Ampacity with Power Exhaust	42	42	20	20
	Minimum Overcurrent Protection Device Size	45	45	20	20
	Minimum Overcurrent Protection Device Size with Power Exhaust	50	50	25	25
	Maximum Overcurrent Protection Device Size	50	50	25	25
	Maximum Overcurrent Protection Device Size with Power Exhaust	60	60	25	25
Compressor Motor	No.	1	1	1	1
	Volts	208/230	208/230	460	460
	Phase	3	3	3	3
	Amps (RLA)	19.2	19.2	9.1	9.1
	Amps (LRA)	162	162	70.8	70.8
Condenser Motor	No.	1	1	1	1
	Volts	208/230	208/230	460	460
	Phase	1	1	1	1
	HP	3/4	3/4	3/4	3/4
	Amps (FLA, each)	5.3	5.3	2.3	2.3
	Amps (LRA, each)	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1
	Volts	208/230	208/230	460	460
	Phase	1	1	1	1
	HP	1-1/5	1-1/5	1-1/5	1-1/5
	Amps (FLA, each)	9.6	9.6	3.7	3.7
	Amps (LRA, each)	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYC SERIES

		036AJT07 036AJT10	036ACT07 036ACT10	036ACU07 036ACU10	036ADT07 036ADT10	036ADU07 036ADU10
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	28/28	22/22	28/28	11	12
	Minimum Circuit Ampacity with Power Exhaust	31/31	25/25	31/31	13	14
	Minimum Overcurrent Protection Device Size	35/35	25/25	35/35	15	15
	Minimum Overcurrent Protection Device Size with Power Exhaust	35/35	30/30	35/35	15	15
	Maximum Overcurrent Protection Device Size	40/40	30/30	35/35	15	15
	Maximum Overcurrent Protection Device Size with Power Exhaust	45/45	30/30	40/40	15	15
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Amps (RLA)	14.6	9.9	9.9	4.8	4.8
	Amps (LRA)	90.0	82.0	82.0	44.3	44.3
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	3.5	3.5	3.5	1.6	1.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	3/4	3/4	1.5	3/4	1
	Amps (FLA, each)	6	6	11.5	2.7	3.5
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYC SERIES

		048AJT07 048AJT12	048ACT07 048ACT12	048ACU07 048ACU12	048ADT07 048ADT12	048ADU07 048ADU12
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	35/35	27/27	32/32	14	15
	Minimum Circuit Ampacity with Power Exhaust	38/38	30/30	35/35	16	17
	Minimum Overcurrent Protection Device Size	40/40	30/30	35/35	20	20
	Minimum Overcurrent Protection Device Size with Power Exhaust	45/45	35/35	40/40	20	20
	Maximum Overcurrent Protection Device Size	50/50	35/35	40/40	20	20
	Maximum Overcurrent Protection Device Size with Power Exhaust	50/50	40/40	45/45	20	20
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Amps (RLA)	18.3	11.9	11.9	6.8	6.8
	Amps (LRA)	138	112	112	61.8	61.8
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	5.3	5.3	5.3	2.3	2.3
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	3/4	3/4	1-1/2	3/4	1
	Amps (FLA, each)	6	6	11.5	2.7	3.5
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYC SERIES

		048AJT07 048AJT12	048ACT07 048ACT12	048ACU07 048ACU12	048ADT07 048ADT12	048ADU07 048ADU12
		with HUMIDIDRY				
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	35/35	27/27	32/32	14	15
	Minimum Circuit Ampacity with Power Exhaust	38/38	30/30	35/35	16	17
	Minimum Overcurrent Protection Device Size	40/40	30/30	35/35	20	20
	Minimum Overcurrent Protection Device Size with Power Exhaust	45/45	35/35	40/40	20	20
	Maximum Overcurrent Protection Device Size	50/50	35/35	40/40	20	20
	Maximum Overcurrent Protection Device Size with Power Exhaust	50/50	40/40	45/45	20	20
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Amps (RLA)	18.3	11.9	11.9	6.8	6.8
	Amps (LRA)	138	112	112	61.8	61.8
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	5.3	5.3	5.3	2.3	2.3
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	3/4	3/4	1-1/2	3/4	1
	Amps (FLA, each)	6	6	11.5	2.7	3.5
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYC SERIES

		060AJT07 060AJT12	060ACT07 060ACT12	060ACU07 060ACU12	060ADT07 060ADT12	060ADU07 060ADU12
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	41/41	31/31	35/35	14	14
	Minimum Circuit Ampacity with Power Exhaust	44/44	34/34	38/38	16	16
	Minimum Overcurrent Protection Device Size	50/50	35/35	40/40	20	20
	Minimum Overcurrent Protection Device Size with Power Exhaust	50/50	40/40	45/45	20	20
	Maximum Overcurrent Protection Device Size	60/60	40/40	45/45	20	20
	Maximum Overcurrent Protection Device Size with Power Exhaust	60/60	45/45	50/50	20	20
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Amps (RLA)	22.3	14	14	6.3	6.3
	Amps (LRA)	149	150	150	58	58
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	5.3	5.3	5.3	2.3	2.3
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1	1	1-1/2	1	1-1/5
	Amps (FLA, each)	7.6	7.6	11.5	3.5	3.7
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA – RGECYC SERIES

		060AJT07 060AJT12	060ACT07 060ACT12	060ACU07 060ACU12	060ADT07 060ADT12	060ADU07 060ADU12
		with HUMIDIDRY				
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	41/41	31/31	35/35	14	14
	Minimum Circuit Ampacity with Power Exhaust	44/44	34/34	38/38	16	16
	Minimum Overcurrent Protection Device Size	50/50	35/35	40/40	20	20
	Minimum Overcurrent Protection Device Size with Power Exhaust	50/50	40/40	45/45	20	20
	Maximum Overcurrent Protection Device Size	60/60	40/40	45/45	20	20
	Maximum Overcurrent Protection Device Size with Power Exhaust	60/60	45/45	50/50	20	20
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	3	3	3	3
	Amps (RLA)	22.3	14	14	6.3	6.3
	Amps (LRA)	149	150	150	58	58
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	5.3	5.3	5.3	2.3	2.3
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1
	HP	1	1	1-1/2	1	1-1/5
	Amps (FLA, each)	7.6	7.6	11.5	3.5	3.7
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A

A2L REFRIGERANT INSTALLATION SAFETY DATA

		RGECYB036	RGECYB036 w/HumidiDry	RGECYB048	RGECYB048 w/HumidiDry	RGECYB060	RGECYB060 w/HumidiDry	RGECYB072	RGECYB072 w/HumidiDry
Refrigerant Charge weight (oz)		72	101	67	110	80	105	85	123
Minimum circulation airflow, Qmin (CFM)		239	336	223	366	266	349	283	409
Installed Altitude (Ft. Above Sea Level)	**Altitude Adjustment Factor**	**Minimum Total Conditioned Room Area, TAmin (Sq. Ft.)**							
0	1.000	133	186	123	203	147	194	157	227
1000	1.025	136	191	127	208	151	198	161	232
2000	1.051	139	196	130	213	155	203	165	238
3000	1.078	143	201	133	219	159	209	169	244
4000	1.107	147	206	137	224	163	214	173	251
5000	1.138	151	212	141	231	168	220	178	258
6000	1.170	155	218	144	237	173	226	183	265
6500	1.187	158	221	147	241	175	230	186	269

		RGECYC036	RGECYC036 w/HumidiDry	RGECYC048	RGECYC048 w/HumidiDry	RGECYC060	RGECYC060 w/HumidiDry
Refrigerant Charge weight (oz)		66	106	75	116	81	121
Minimum circulation airflow, Qmin (CFM)		220	353	249	386	269	402
Installed Altitude (Ft. Above Sea Level)	**Altitude Adjustment Factor**	**Minimum Total Conditioned Room Area, TAmin (Sq. Ft.)**					
0	1.000	122	195	138	214	149	223
1000	1.025	125	200	142	219	153	229
2000	1.051	128	205	145	225	157	234
3000	1.078	131	211	149	230	161	240
4000	1.107	135	216	153	237	165	247
5000	1.138	138	222	157	243	170	254
6000	1.170	142	229	162	250	175	261
6500	1.187	144	232	164	254	177	265

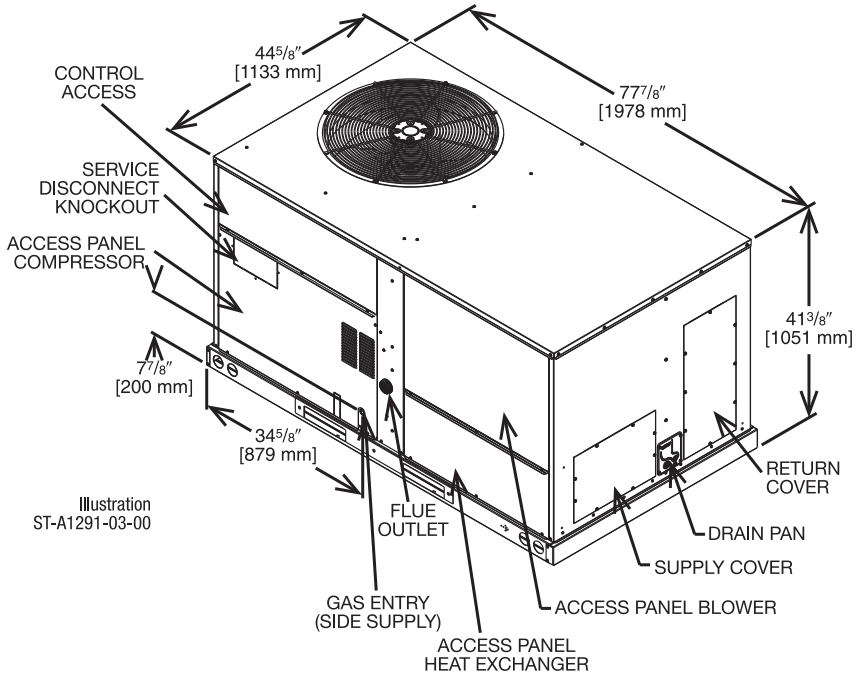


Illustration
ST-A1291-03-00

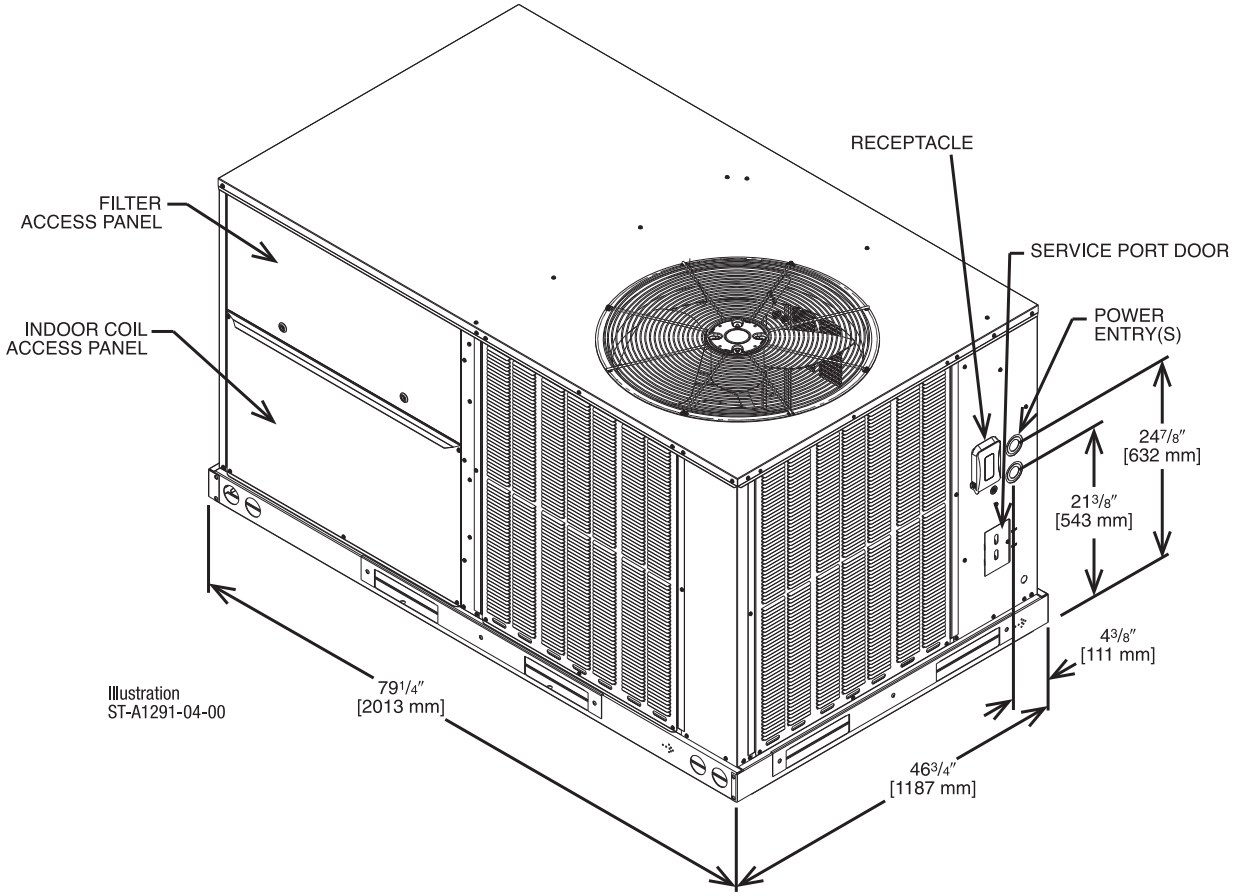
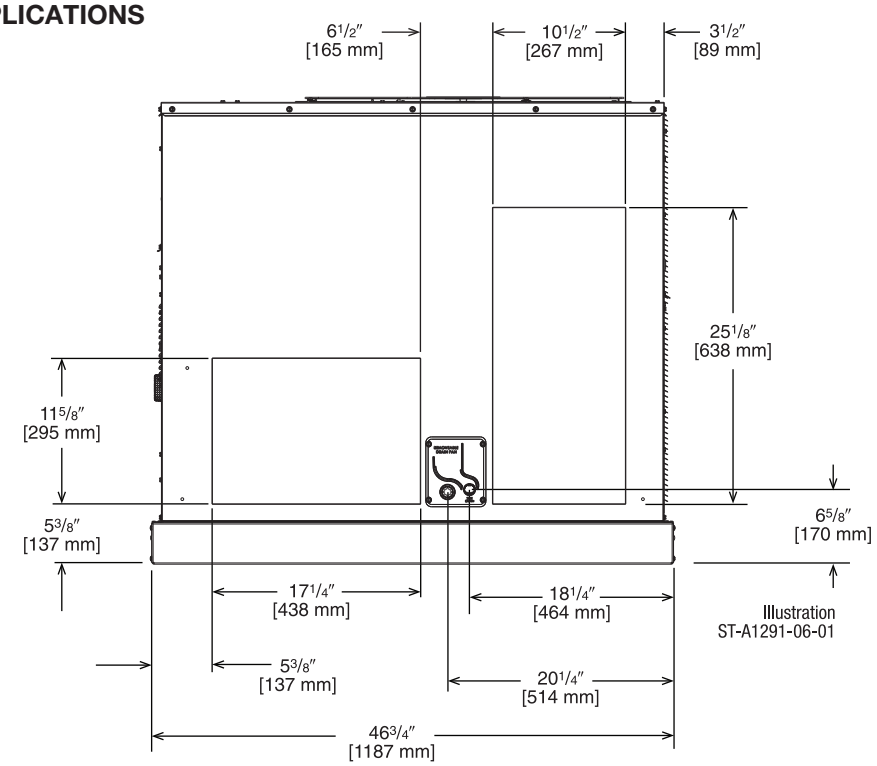


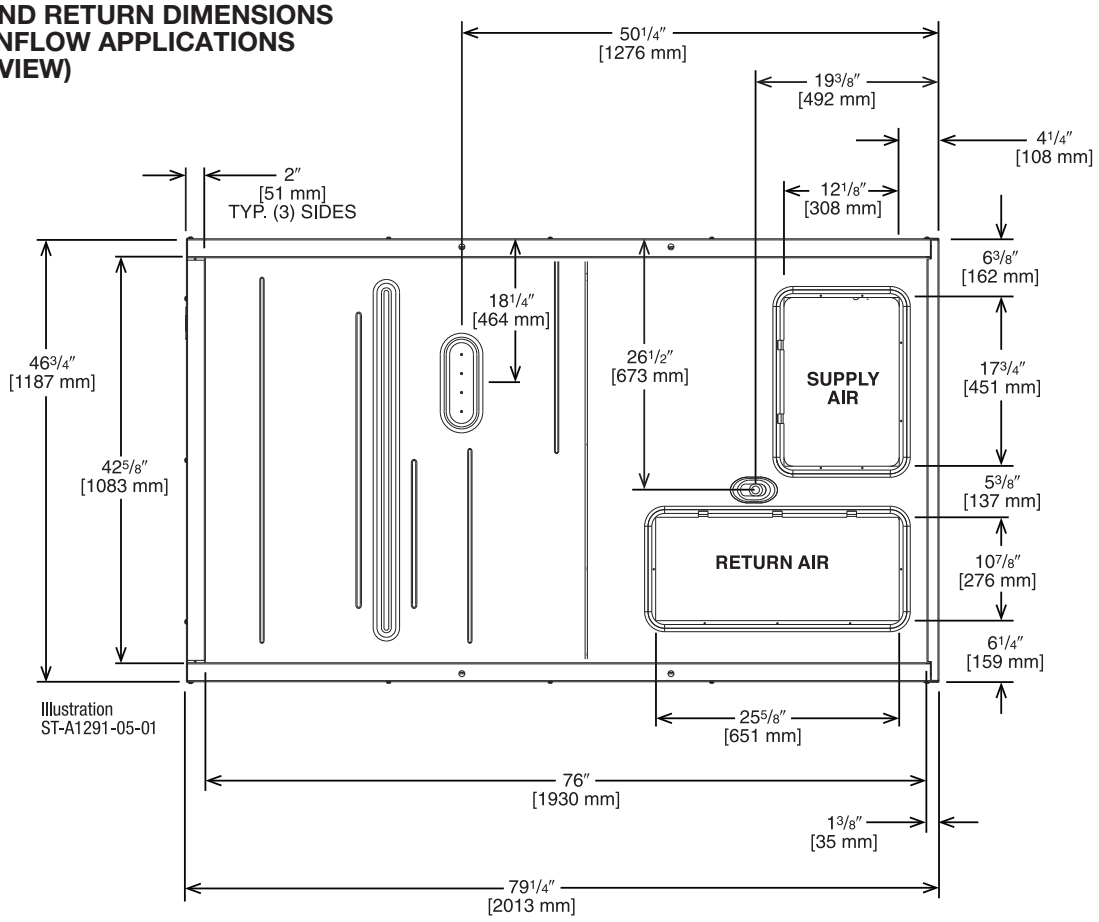
Illustration
ST-A1291-04-00

[ ] Designates Metric Conversions

SUPPLY AND RETURN DIMENSIONS FOR HORIZONTAL APPLICATIONS (SIDE VIEW)



SUPPLY AND RETURN DIMENSIONS FOR DOWNFLOW APPLICATIONS (BOTTOM VIEW)



[ ] Designates Metric Conversions

WEIGHTS

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
3.0-6.0 [10.6-21.1]	21%	40%	12%	27%

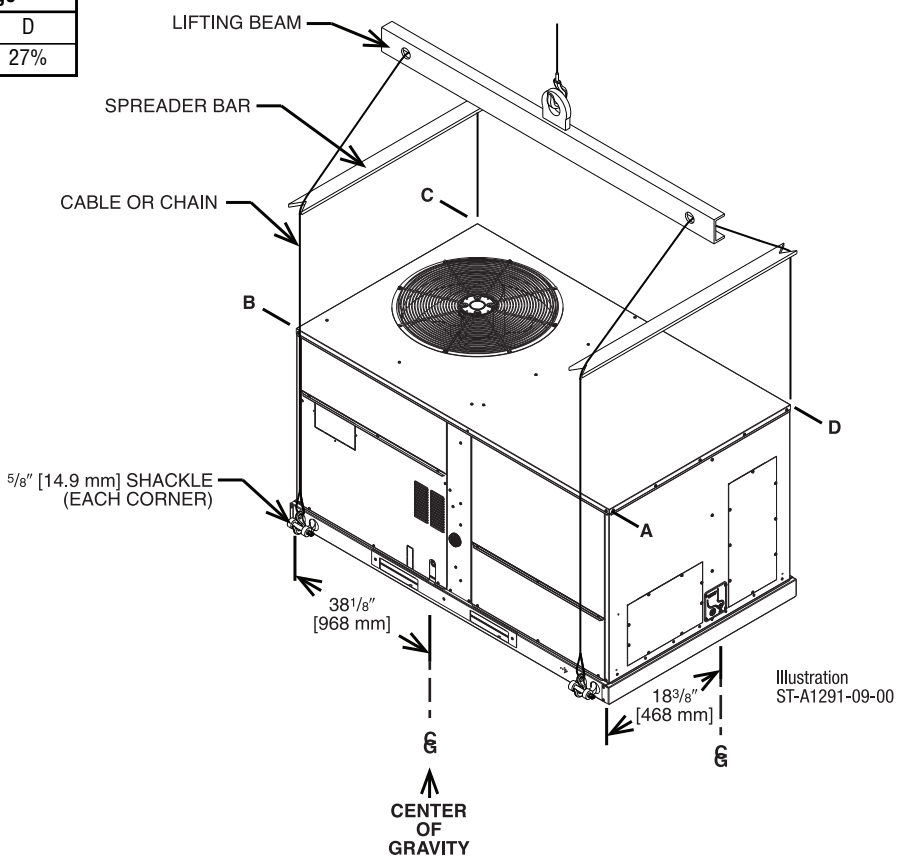


Illustration
ST-A1291-09-00

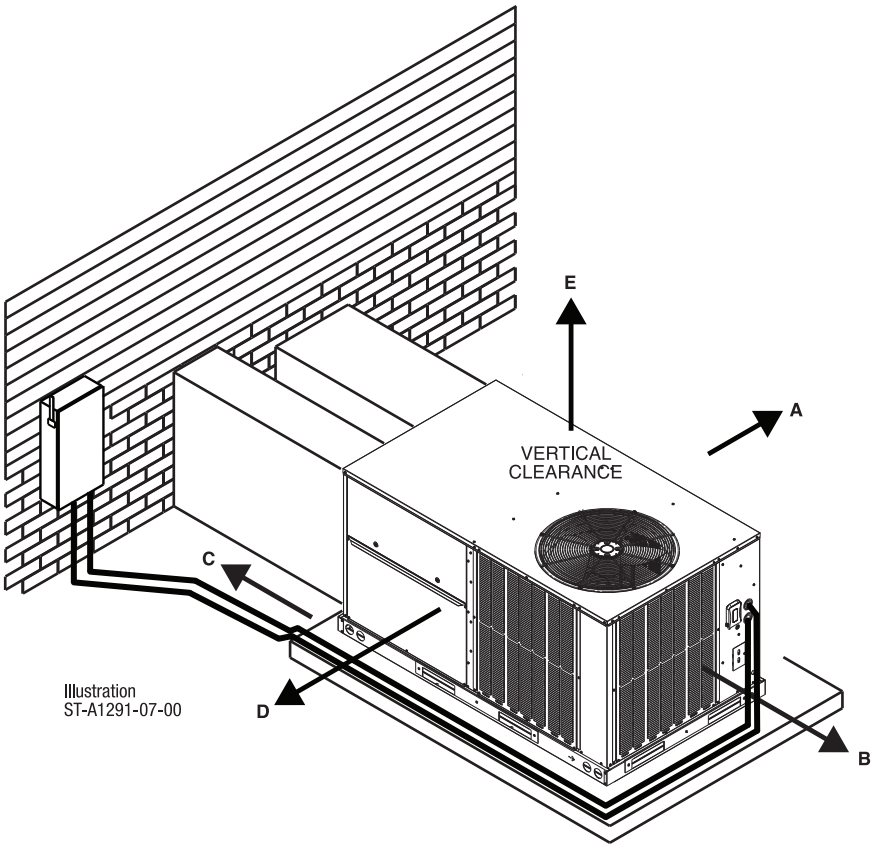


Illustration
ST-A1291-07-00

CLEARANCES

THE FOLLOWING MINIMUM CLEARANCES MUST BE OBSERVED FOR PROPER UNIT PERFORMANCE AND SERVICEABILITY.

RECOMMENDED CLEARANCE In. [mm]	LOCATION
48 [1219]	A - FRONT
24 [609]	B - CONDENSER END
48 [1219] ①	C - DUCT END
24 [609] ②	*D - FILTER SIDE
60 [1524]	E - ABOVE

① 18" [457 mm] MINIMUM IF DRAINPAN WILL NOT BE REMOVED.

② 48" [1219 MM] MINIMUM IF ECONOMIZER IS INSTALLED.

[ ] Designates Metric Conversions

FIELD-INSTALLED ACCESSORY EQUIPMENT

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Economizers				
DDC Economizer with Single Enthalpy (Downflow) *MicroMetl Economizer with Honeywell Controller*	RXRD-01MCDBM3	100 [45.4]	66 [29.9]	No
DDC Economizer with Single Enthalpy (Horizontal) *MicroMetl Economizer with Honeywell Controller*	RXRD-01MCHBM3	72 [32.7]	69 [31.3]	No
Non-DDC Economizer with No Controls (Downflow) *MicroMetl Economizer, Belimo Actuator*	RXRD-31MCDAM3	100 [45.4]	66 [29.9]	No
Non-DDC Economizer with Single Enthalpy (Downflow) *MicroMetl Economizer with Siemens Controls*	RXRD-11MCDAM3	100 [45.4]	66 [29.9]	Yes
Non-DDC Economizer with Single Enthalpy (Downflow) *Ruskin Rooftop Systems Economizer with RRS Basic Controller*	RXRD-41MCDAM3	100 [45.4]	66 [29.9]	No
Non-DDC Economizer with Single Enthalpy (Downflow) *Ruskin Rooftop Systems Economizer with Siemens Controls*	RXRD-51MCDAM3	100 [45.4]	66 [29.9]	No
Non-DDC Economizer with Single Enthalpy (Horizontal) *MicroMetl Economizer with Siemens Controls*	RXRD-11MCHAM3	72 [32.7]	69 [31.3]	No
Non-DDC Economizer with Single Enthalpy (Horizontal) *Ruskin Rooftop Systems Economizer with RRS Basic Controller*	RXRD-41MCHAM3	72 [32.7]	69 [31.3]	No
Non-DDC Economizer with Single Enthalpy (Horizontal) *Ruskin Rooftop Systems Economizer with Siemens Controls*	RXRD-51MCHAM3	72 [32.7]	69 [31.3]	No
Economizer Universal DDC Interface Kit	RXRX-DDC01	5 [2.7]	3.5 [1.6]	Yes[1]

[1]Does not have to be selected individually. This accessory will be included with the factory installed economizer for a DDC unit if required.

[ ] Designates Metric Conversions

FIELD-INSTALLED ACCESSORY EQUIPMENT (CONTINUED)

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Comfort Alert (1 Phase) DDC	RXRX-AZ03	3 [1.5]	2 [0.9]	Yes
Comfort Alert (1 Phase) Non-DDC	RXRX-AZ04	3 [1.5]	2 [0.9]	Yes
Comfort Alert (3 Phase) DDC	RXRX-AZ01	3 [1.5]	2 [0.9]	Yes
Comfort Alert (3 Phase) Non-DDC	RXRX-AZ02	3 [1.5]	2 [0.9]	Yes
Communication Card, BACnet	RXRX-AY01	1 [0.5]	1 [0.5]	No
Communication Card, LonWorks	RXRX-AY02	1 [0.5]	1 [0.5]	No
Concentric Adapter 3-4 Ton Drop	RXMC-DC01	35 [15.9]	30 [13.6]	No
Concentric Adapter 5-6 Ton Drop	RXMC-DC02	40 [18.2]	35 [15.9]	No
Concentric Diffuser 3-4 Ton Drop	RXRN-AED1800	35 [15.9]	30 [13.6]	No
Concentric Diffuser 5-6 Ton Drop	RXRN-AED2000	35 [15.9]	30 [13.6]	No
Concentric Diffuser 3-4 Ton Flush	RXRN-AEF1800	30 [13.6]	25 [11.3]	No
Concentric Diffuser 5-6 Ton Flush	RXRN-AEF2000	30 [13.6]	25 [11.3]	No
Convenience Outlet, Nonpowered	RXRX-BN01	2 [1.0]	1.5 [0.7]	Yes
Dual Enthalpy Kit DDC (for Honeywell DDC)	RXRX-BV02	1 [0.5]	1 [0.5]	No
Dual Enthalpy, Temperature and Humidity Sensor *(for Ruskin Basic Controller)*	PD955977	1 [0.5]	1 [0.5]	No
Dual Enthalpy, Temperature and Humidity Sensor *(for Siemens)*	PD555460	1 [0.5]	1 [0.5]	No
Flue Diverter (RGEC 75K, 100K & 120K)	RXRX-DEG03	5 [2.3]	4 [1.8]	No
Freeze Stat Kit	RXRX-AM05	2 [1.0]	1.5 [0.7]	Yes
Fresh Air Damper, Manual	RXRF-ACA1	22 [10.0]	18 [8.2]	No
Fresh Air Damper, Motorized	RXRF-ACB1	53 [24.0]	43 [19.5]	No
Fresh Air Damper, Motorized (DDC)	RXRF-ACC1	53 [24.0]	43 [19.5]	No
Low-Ambient Control Kit	RXRZ-A04	4 [1.8]	3 [1.4]	Yes
LP Kit (RGEC 75K, 120K)	RXGJ-FP40	2 [1.0]	1 [0.5]	No
LP Kit (RGEC 100K)	RXGJ-FP41	2 [1.0]	1 [0.5]	No
MERV 8 Filter	RXMF-M08A21616	2 [0.9]	1 [0.45]	No
MERV 13 Filter	RXMF-M13A21616	2 [0.9]	1 [0.45]	No
Outdoor Coil Louver Kit	RXRX-ADD04C	30 [13.6]	25 [11.3]	Yes
Power Exhaust (230V) *Vertical MicroMetl*	RXRX-CCF02C	24 [10.9]	21 [9.5]	No
Power Exhaust (460V) *Vertical MicroMetl*	RXRX-CCF02D	20 [9.1]	17 [7.7]	No
Power Exhaust (230V) *Horizontal MicroMetl*	RXRX-CCF03C	42 [19.1]	39 [17.7]	No
Power Exhaust (460V) *Horizontal MicroMetl*	RXRX-CCF03D	42 [19.1]	39 [17.7]	No
Power Exhaust (230V) *Vertical Ruskin Rooftop Systems*	RXRX-RCF02C	24 [10.9]	21 [9.5]	No
Power Exhaust (460V) *Vertical Ruskin Rooftop Systems*	RXRX-RCF02D	20 [9.1]	17 [7.7]	No
Power Exhaust (575V) *Vertical Ruskin Rooftop Systems*	RXRX-RCF02Y	20 [9.1]	17 [7.7]	No
Power Exhaust (230V) *Horizontal Ruskin Rooftop Systems*	RXRX-RCF03C	42 [19.1]	39 [17.7]	No
Power Exhaust (460V) *Horizontal Ruskin Rooftop Systems*	RXRX-RCF03D	42 [19.1]	39 [17.7]	No
Power Exhaust (575V) *Horizontal Ruskin Rooftop Systems*	RXRX-RCF03Y	42 [19.1]	39 [17.7]	No
Roofcurb, 14"	RXKG-DCC14	94 [42.6]	90 [40.8]	No
Roofcurb, 14" Welded	RXKG-DC14	94 [42.6]	90 [40.8]	No
Roofcurb, 24"	RXKG-DCC24	124 [56.2]	120 [54.4]	No
Roofcurb, 24" Welded	RXKG-DC24	124 [56.2]	120 [54.4]	No
Roofcurb Adapter	RXRX-DCCAE	159 [72.1]	145 [65.8]	No
Sensor, Carbon Dioxide (Wall Mount)	RXRX-AR02	1 [0.5]	1 [0.5]	No
Sensor, Room Humidity	RHC-ZNS4	1 [0.5]	1 [0.5]	No
Sensor, Room Temperature and Relative Humidity	RHC-ZNS5	1 [0.5]	1 [0.5]	No
Smoke Detector, Return (Field kit)	RXRX-BS01	7 [3.2]	6 [2.7]	No
Smoke Detector, Return/ Supply (Field kit)	RXRX-BS02	5 [2.3]	4 [1.8]	No
Unfused Service Disconnect	RXRX-BP01	10 [4.5]	9 [4.1]	Yes
UV-C Kit 208V/230V	RXRX-UVC22C	8 [3.6]	6 [2.7]	No
UV-C Transformer 460V/575V	RXRX-UVCTC	12 [5.4]	11 [5.0]	No

[ ] Designates Metric Conversions

COMMUNICATION CARDS

BACnet COMMUNICATION CARD RXRX-AY01

The field-installed BACnet Communication Card allows the RTU-C unit controller to communicate with a third party building management system that supports the BACnet Application Specific Controller device profile. The BACnet Communication Module plugs onto the unit RTU-C controller and allows communication between the RTU-C and the BACnet MSTP network.

LonWorks COMMUNICATION CARD RXRX-AY02

The field-installed LonWorks Communication Card allows the RTU-C unit controller to communicate with a third party building management system that supports the LonMark Space Comfort Controller (SCC) functional profile or LonMark Discharge Air Controller (DAC) functional profile. The LonMark Communication Module plugs onto the RTU-C controller and allows communication between the RTU-C and a LonWorks Network.

DOWNFLOW TRANSITION DRAWINGS

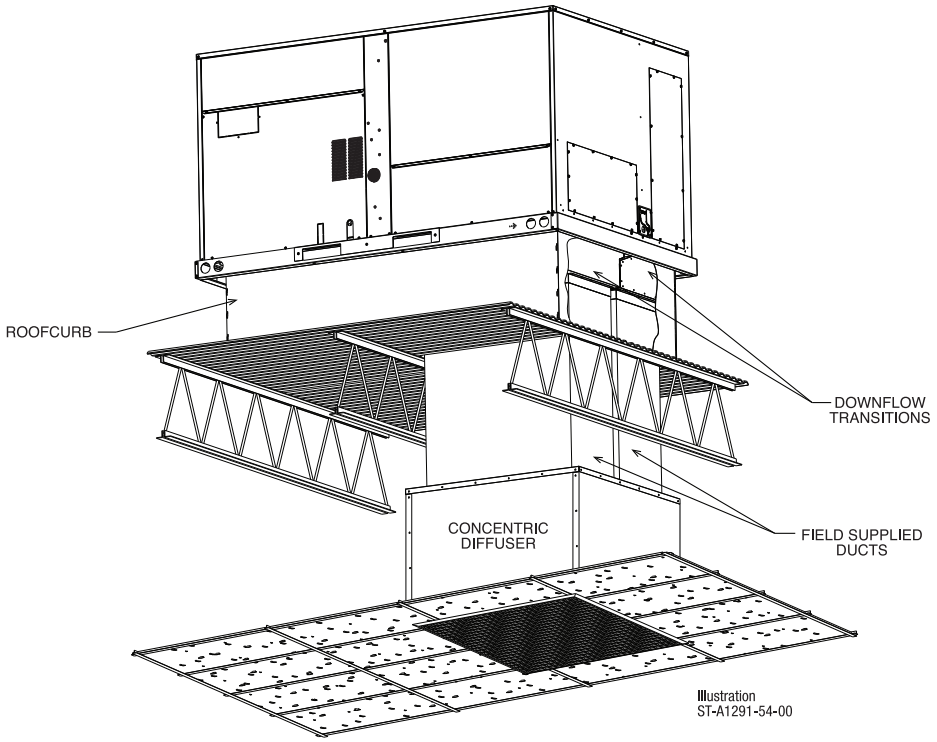


Illustration
ST-A1291-54-00

RXMC-DC01 — Concentric Adapter 3 & 4 Ton Drop

- Used with RXRN-AEF1800 or RXRN-AED1800 Concentric Diffusers

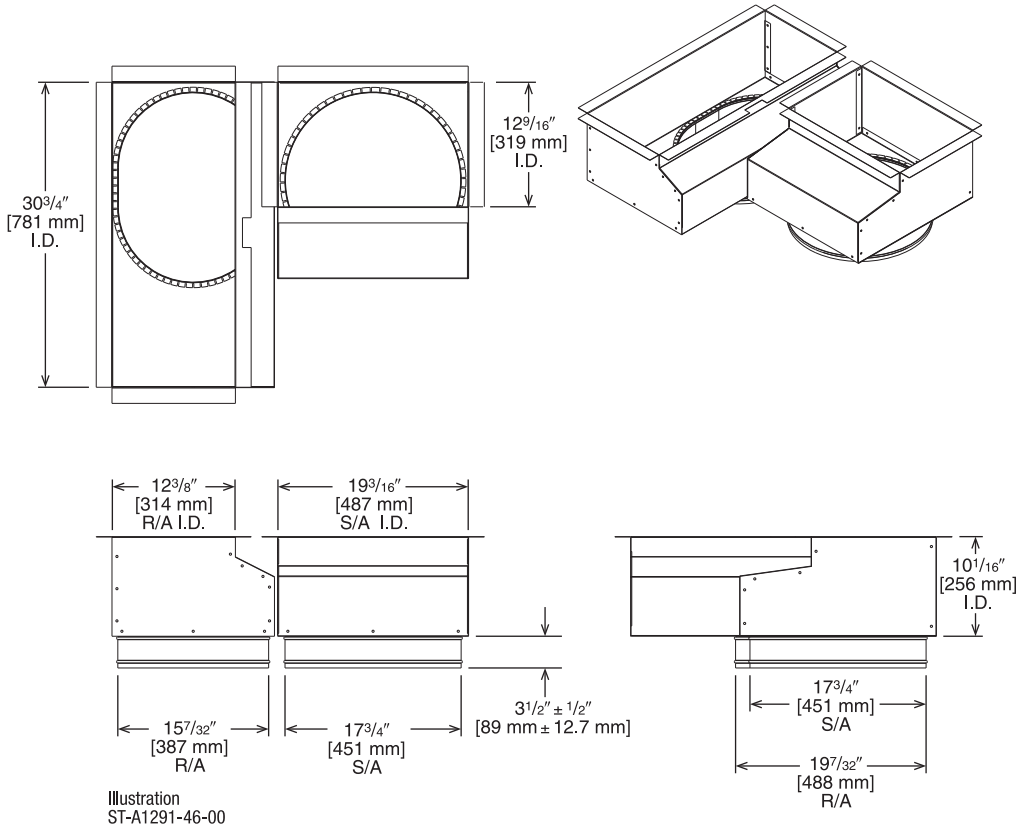


Illustration
ST-A1291-46-00

[ ] Designates Metric Conversions

DOWNFLOW TRANSITION DRAWINGS

RXMC-DC02—Concentric Adapter 5 & 6 Ton Drop

- Used with RXRN-AEF2000 or RXRN-AED2000 Concentric Diffusers

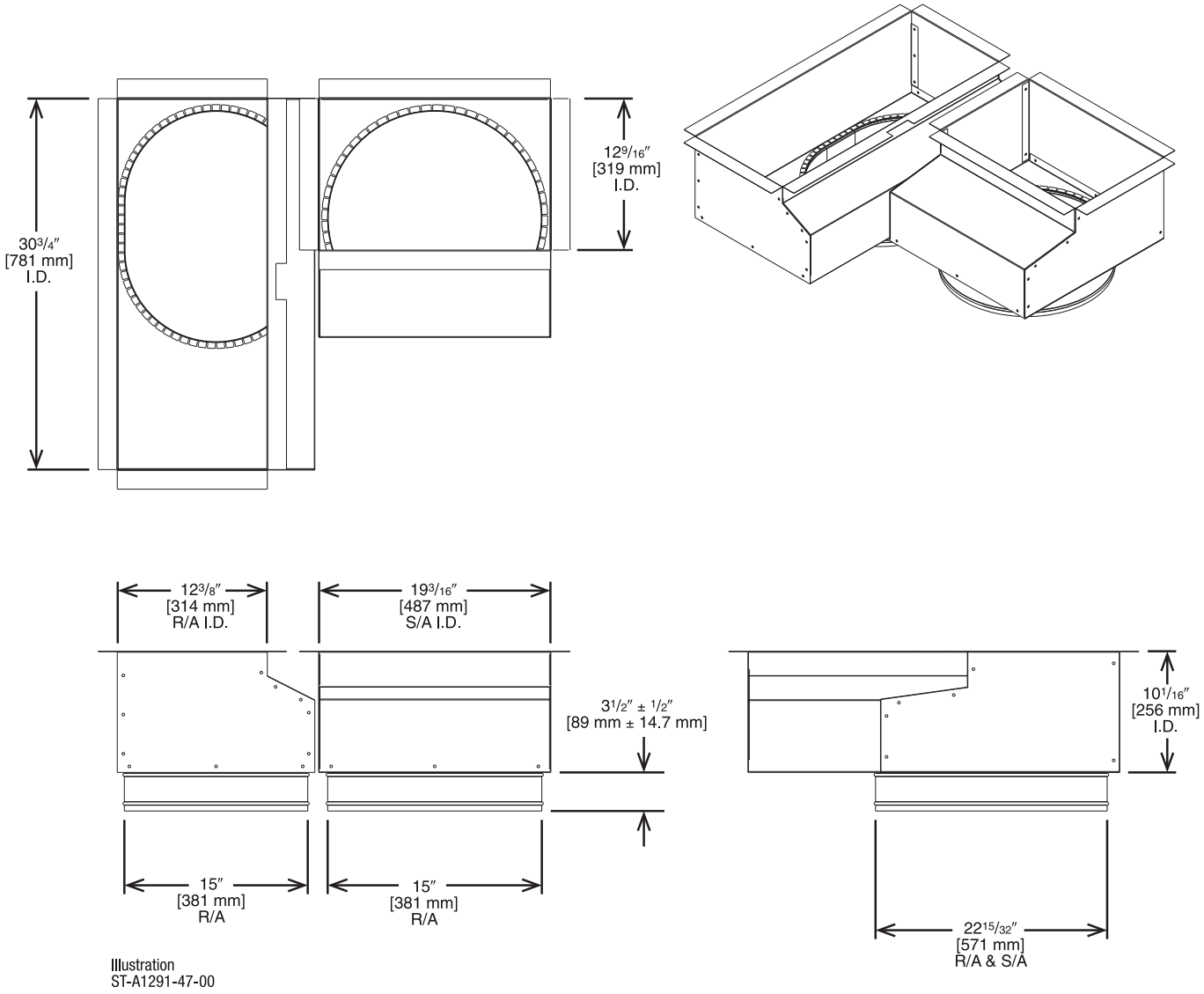


Illustration
ST-A1291-47-00

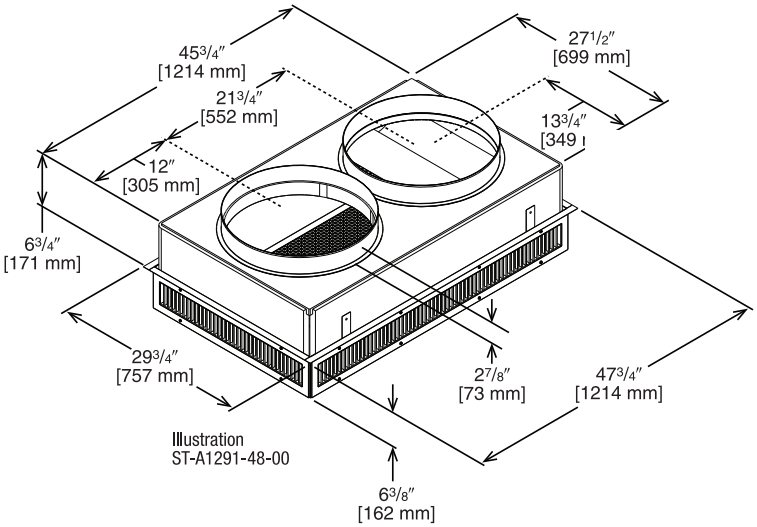
[ ] Designates Metric Conversions

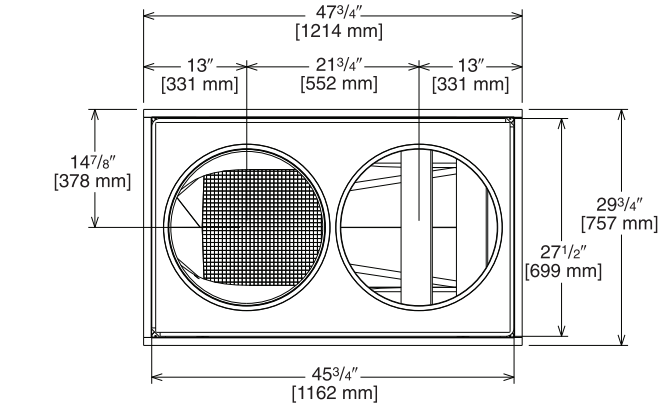
CONCENTRIC DIFFUSER 3 & 4 TON DROP

RXRN-AED1800

For Use With Downflow Transition (RXMC-DC01) and 18" [457 mm] Round Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate
- Built-in anti-sweat gasket
- Molded fiberglass supports
- Built-in hanging supports
- Diffuser box constructed of sheet metal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner





ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AED1800	1000 [472]	9-23 [2.7-7.0]	391 [2.0]	12
	1200 [566]	10-24 [3.0-7.3]	469 [2.4]	15
	1400 [661]	12-26 [3.7-7.9]	547 [2.8]	19
	1600 [755]	13-28 [4.0-8.5]	625 [3.2]	21
	1800 [849]	15-30 [4.6-9.1]	703 [3.6]	26
	2000 [944]	17-32 [5.2-9.8]	781 [4.0]	30
	2400 [1133]	19-34 [5.8-10.4]	859 [5.8]	32

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

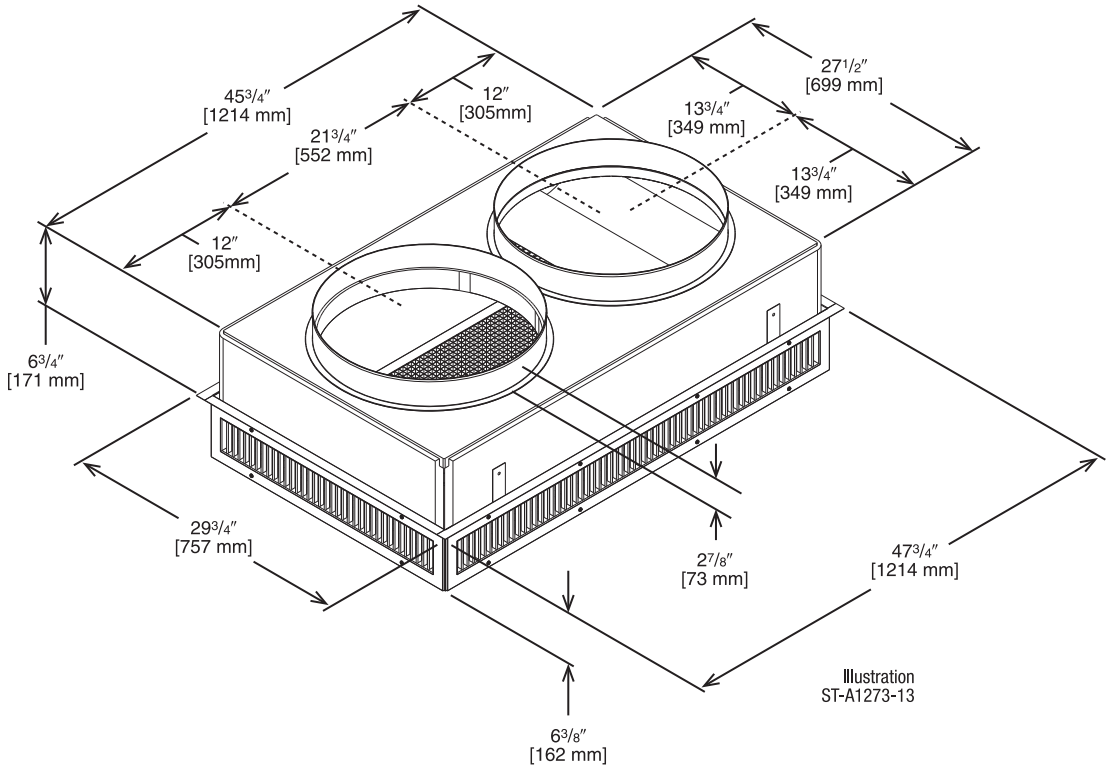
[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER 5 & 6 TON DROP

RXRN-AED2000

**For Use With Downflow Transition (RXMC-DC02)
and 20" [508 mm] Round Supply and Return Ducts**

- All aluminum diffuser with aluminum return air eggcrate
- Built-in anti-sweat gasket
- Molded fiberglass supports
- Built-in hanging supports
- Diffuser box constructed of sheet metal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner



ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AED2000	2600 [1222]	22-39 [6.7-11.9]	669 [3.4]	32
	2800 [1316]	23-40 [7.1-12.2]	720 [3.7]	38
	3000 [1410]	25-42 [7.6-12.8]	772 [3.9]	40
	3200 [1504]	26-43 [7.9-13.1]	823 [4.2]	41
	3400 [1598]	27-45 [8.2-13.7]	874 [4.4]	42

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

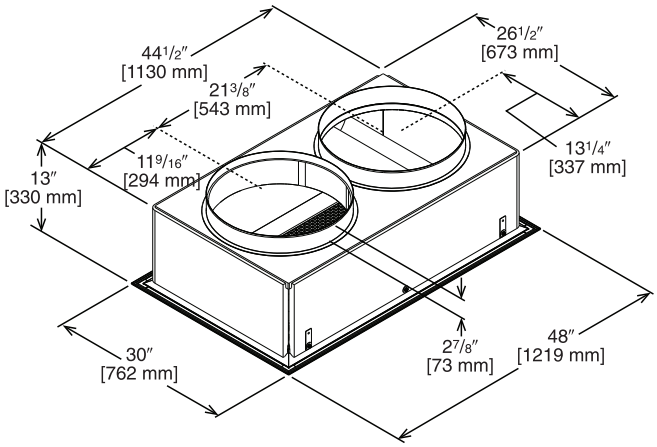
[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER 3 & 4 TON FLUSH

RXRN-AEF1800

For Use With Downflow Transition (RXMC-DC01)
18" [457 mm] Round Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate
- Built-in anti-sweat gasket
- Molded fiberglass supports
- Built-in hanging supports
- Diffuser box constructed of sheet metal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner



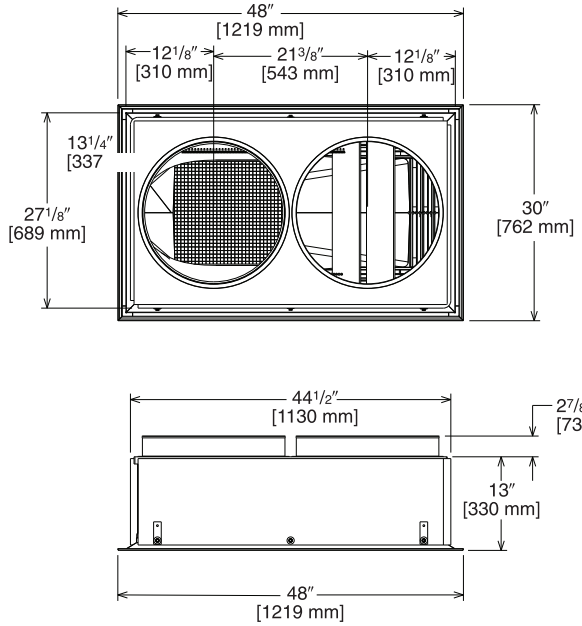


Illustration
ST-A1291-49-00

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AEF1800	1000 [472]	9-12 [2.7-3.7]	663 [3.4]	20
	1200 [566]	12-16 [3.7-4.9]	714 [3.6]	25
	1400 [661]	15-20 [4.6-6.1]	765 [3.9]	30
	1600 [755]	17-23 [5.2-7]	816 [4.1]	30
	1800 [849]	20-26 [6.1-7.9]	867 [4.4]	35
	2000 [944]	22-29 [6.7-8.8]	918 [4.7]	40
	2400 [1133]	25-32 [7.6-9.8]	969 [4.9]	45

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER 5 & 6 TON FLUSH

RXRN-AEF2000

For Use With Downflow Transition (RXMC-DC02)
20" [508 mm] Round Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate
- Built-in anti-sweat gasket
- Molded fiberglass supports
- Built-in hanging supports
- Diffuser box constructed of sheet metal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner

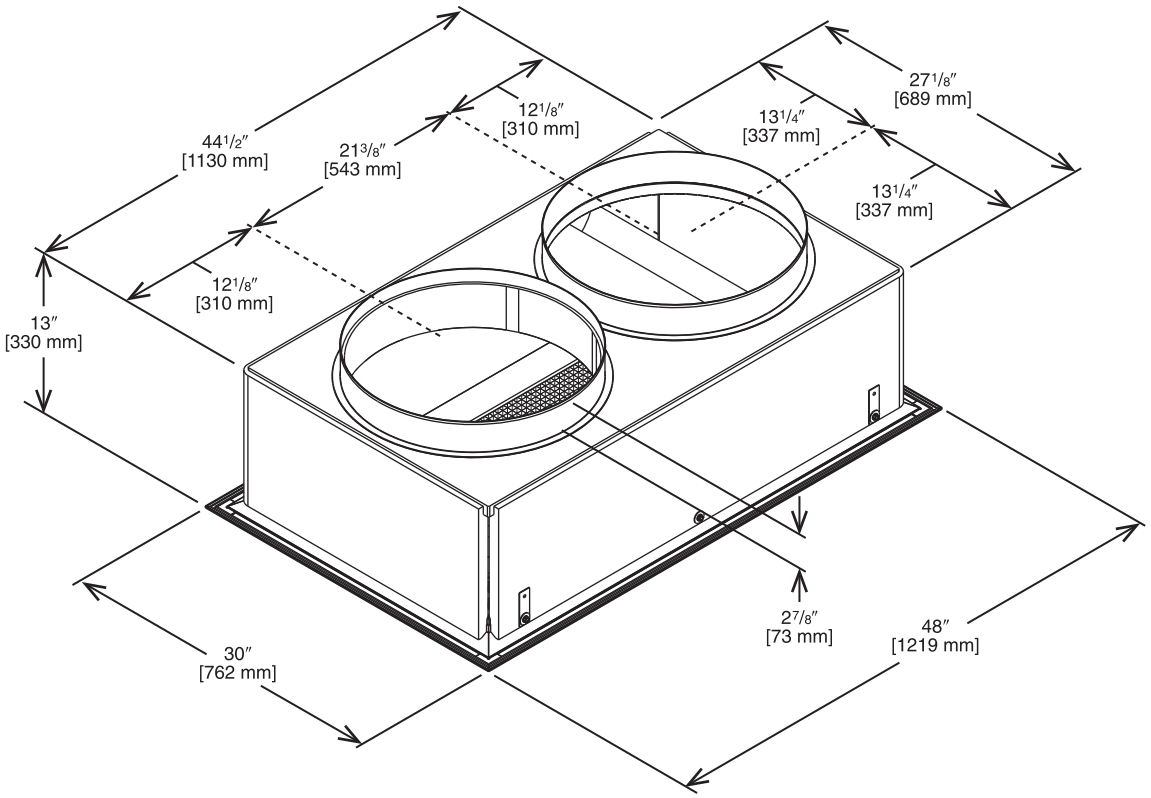


Illustration
ST-A1273-14-00

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AEF2000	2600 [1222]	17-24 [5.2-7.3]	663 [3.4]	30
	2800 [1316]	18-28 [5.5-8.5]	714 [3.6]	35
	3000 [1410]	20-30 [6.1-9.1]	765 [3.9]	35
	3200 [1504]	22-33 [6.7-10.1]	816 [4.1]	40
	3400 [1598]	23-37 [7-11.3]	867 [4.4]	40

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

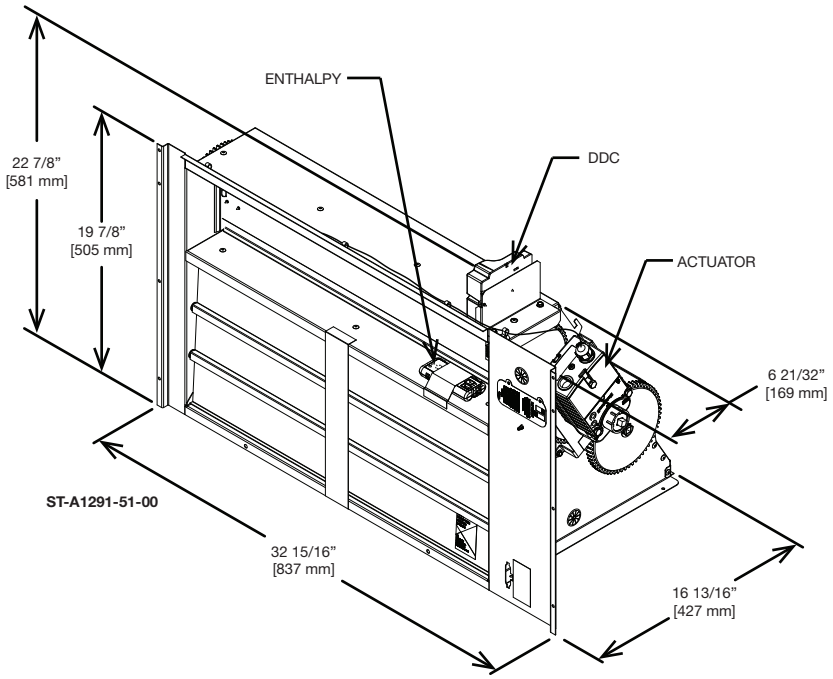
[ ] Designates Metric Conversions

DDC ECONOMIZER WITH SINGLE ENTHALPY (DOWNFLOW) MICROMETL ECONOMIZER WITH HONEYWELL CONTROLLER

Field-Installed Only

RXRD-01MCDBM3
RXRX-BV02—Dual Enthalpy Kit DDC (for Honeywell DDC)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

- Features **Honeywell** Controls
- Available Factory-Installed or Field Accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Ultra Low Leak Dampers meet California Title 24 requirements and ASHRAE 90.1 2022
- Slip-In Design for Easy Installation
- Standard Barometric Relief Damper
- Single Enthalpy with Dual Enthalpy Upgrade Kit Available
- CO_2 Input Sensor Available
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Downflow Duct Application
- Optional Remote Minimum Position Potentiometer (270 ohm) (Honeywell #S963B1136) is Available from Prostock
- Field-Installed Power Exhaust Available
- Prewired for Smoke Detector
- If connected to a Building Automation System (BAS),all economizer functions can be viewed on the (BAS), or 16 x 2 LCD screen
- If connected to thermostat, all economizer functions can be viewed on 16 x 2 LCD screen



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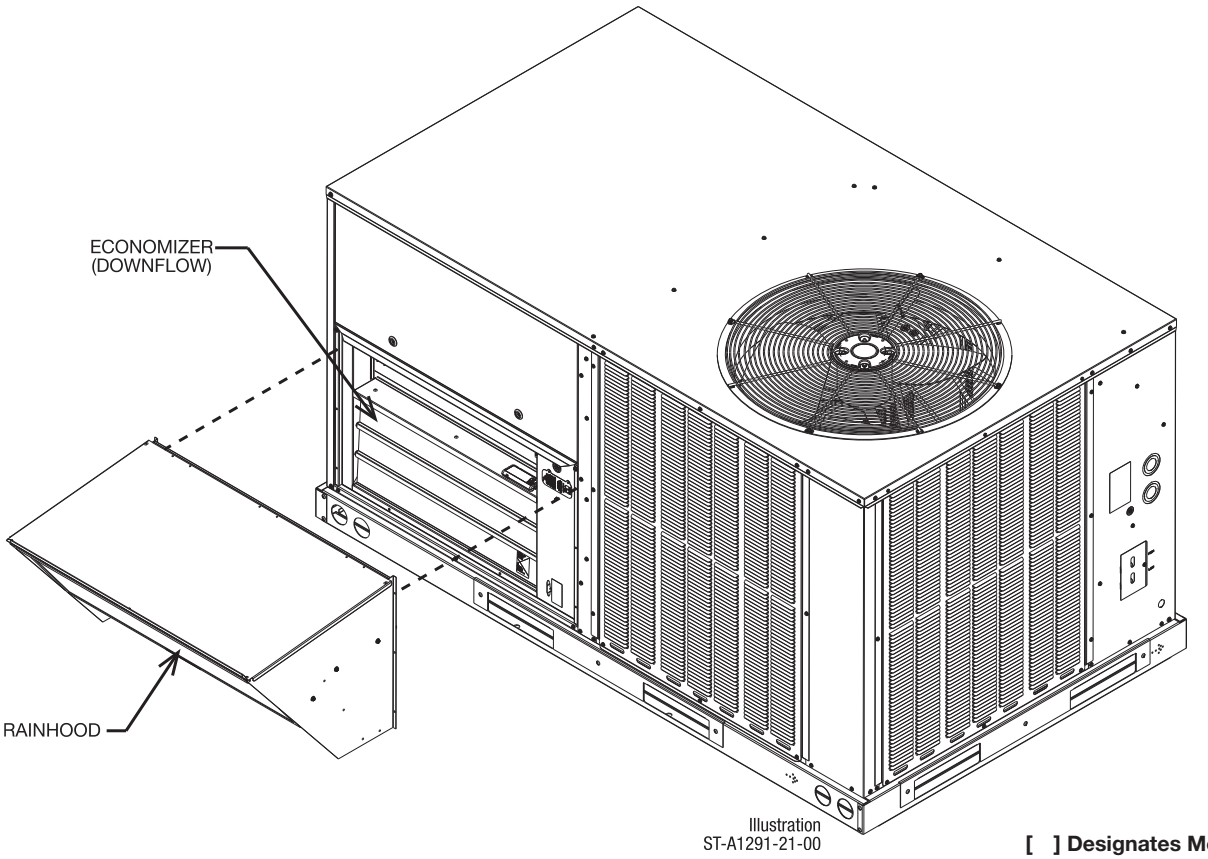


Illustration
ST-A1291-21-00

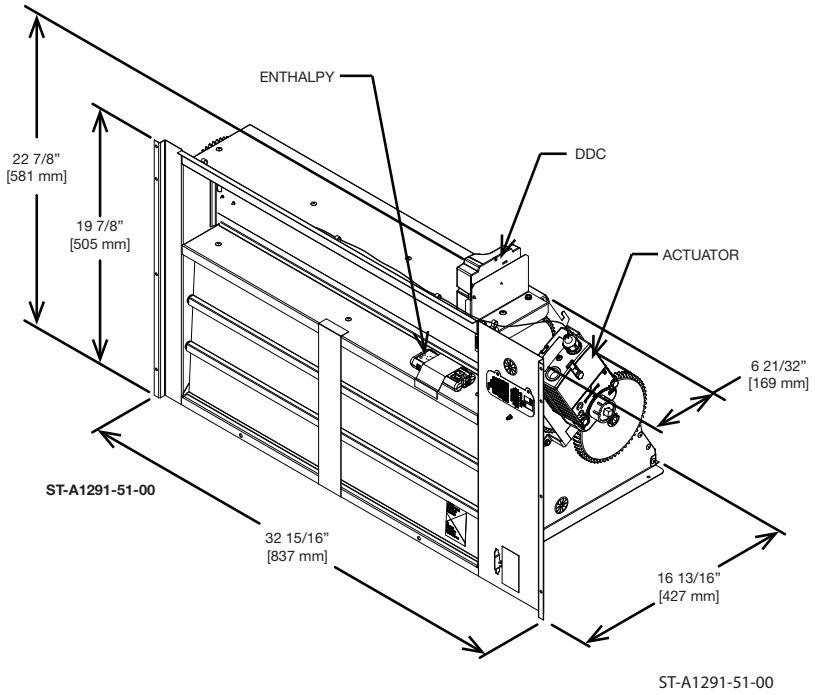
[ ] Designates Metric Conversions

DDC ECONOMIZER WITH SINGLE ENTHALPY (HORIZONTAL) MICROMETL ECONOMIZER WITH HONEYWELL CONTROLLER

Field-Installed Only

RXRD-01MCHBM3
RXRX-BV02—Dual Enthalpy Kit DDC (for Honeywell DDC)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

- Features **Honeywell** Controls
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Ultra Low Leak Dampers meet California Title 24 requirements and ASHRAE 90.1 2022
- Slip-In Design for Easy Installation
- Standard Barometric Relief Damper
- Single Enthalpy with Dual Enthalpy Upgrade Kit Available
- CO_2 Input Sensor Available
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Horizontal Duct Application
- Optional Remote Minimum Position Potentiometer (270 ohm) (Honeywell #S963B1136) is Available from Prostock
- Field-Installed Power Exhaust Available
- If connected to a Building Automation System (BAS), all economizer functions can be viewed on the (BAS), or 16 x 2 LCD screen
- If connected to a thermostat, all economizer functions can be viewed on 16 x 2 LCD screen



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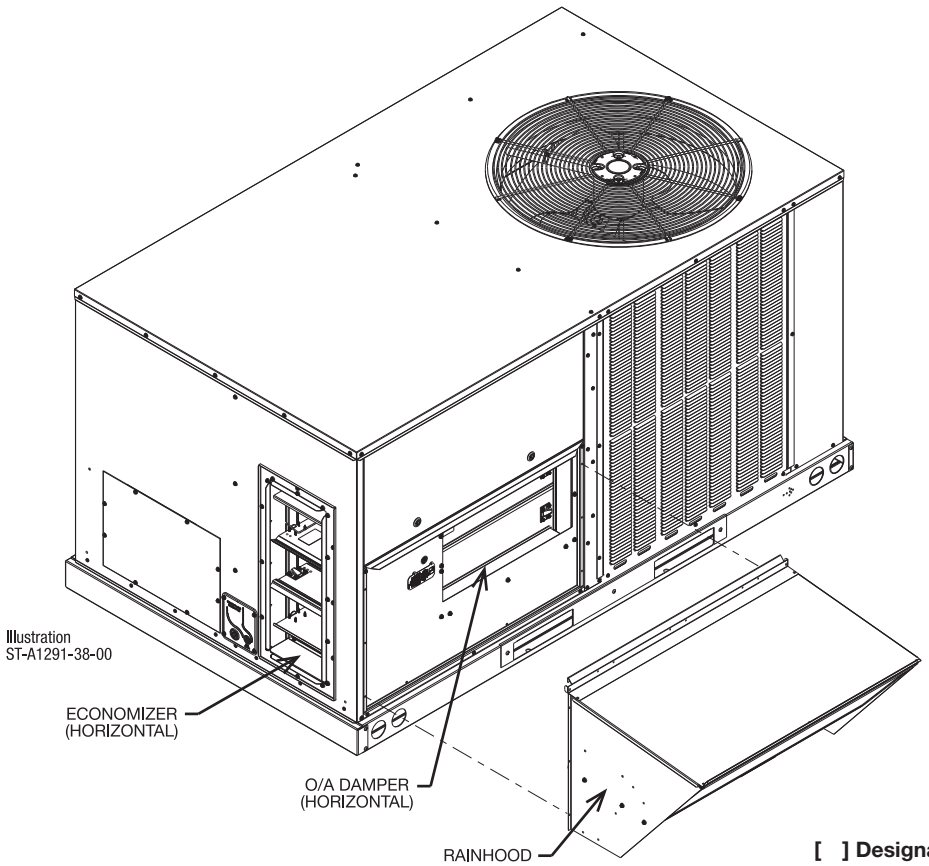


Illustration
ST-A1291-38-00

[ ] Designates Metric Conversions

NON-DDC ECONOMIZER WITH NO CONTROLS (DOWNFLOW) MICROMETL ECONOMIZER, BELIMO ACTUATOR

Field-Installed Only

RXRD-31MCDAM3—Single Enthalpy (Outdoor)
RXRX-ACD01—Wire Harness for Non-DDC Generic Economizers

- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Ultra Low Leak Dampers meet California Title 24 requirements and ASHRAE 90.1 2022
- AMCA 511 Certified Class 1A Leakage—1" WG of differential pressure tested to AMCA Standard 500-D
- Slip-In Design for Easy Installation
- Plug-In Polarized 12-pin Electrical Connections
- Standard Barometric Relief Damper
- Controller and Sensors to be determined by Customer
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Downflow Duct Application
- Field-Installed Power Exhaust Option

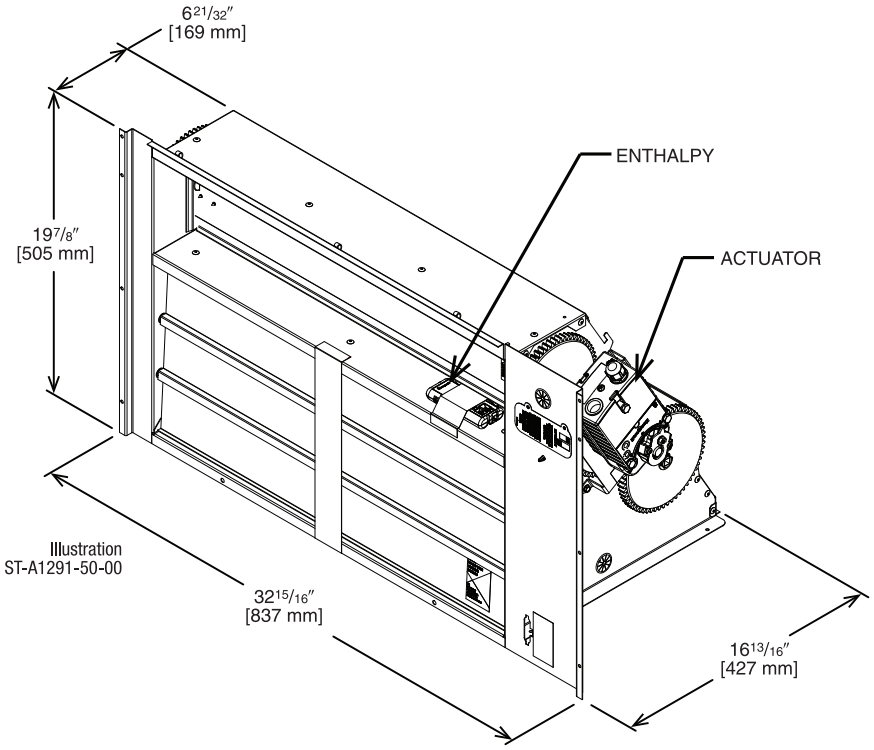


Illustration
ST-A1291-50-00

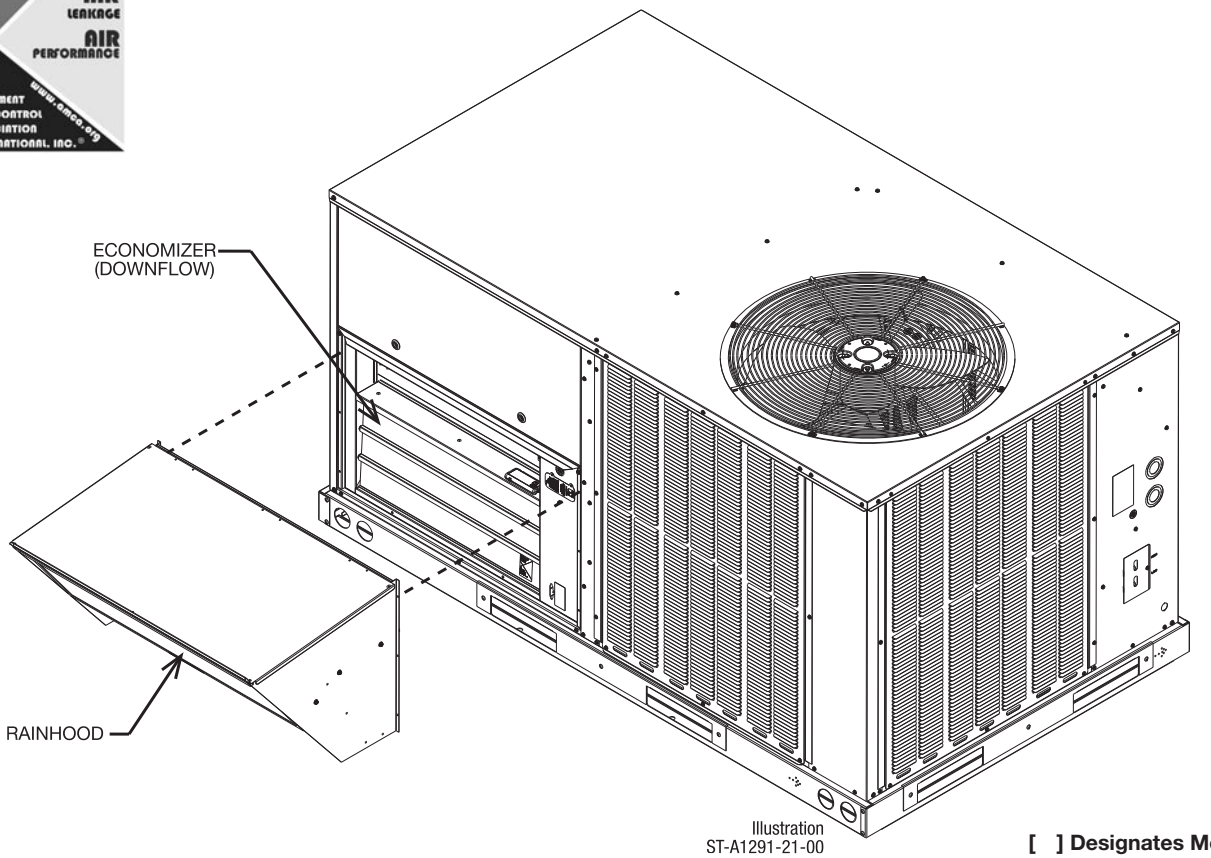


Illustration
ST-A1291-21-00

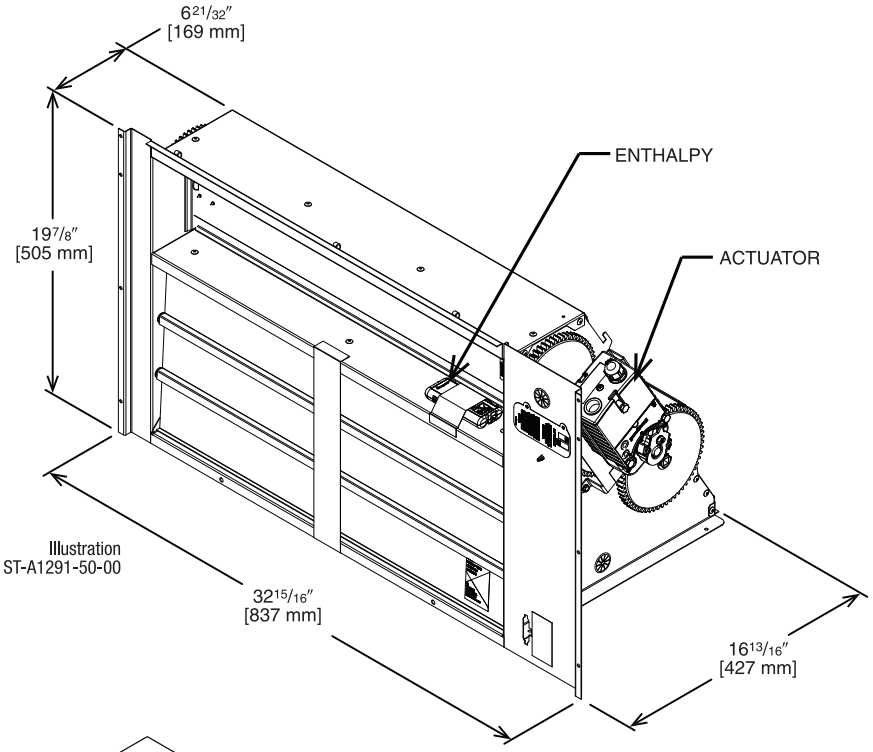
[ ] Designates Metric Conversions

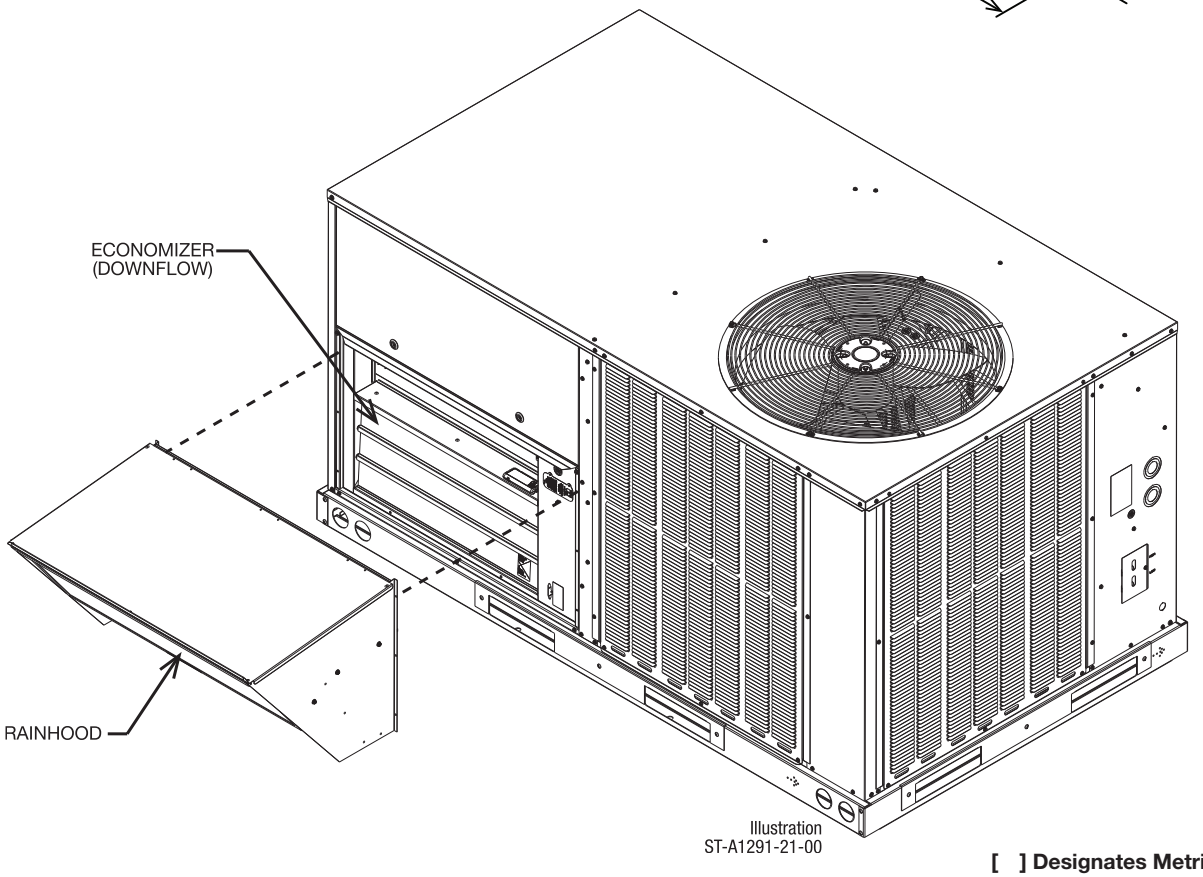
NON-DDC ECONOMIZER WITH SINGLE ENTHALPY (DOWNFLOW) MICROMETL ECONOMIZER WITH SIEMENS CONTROLS

Factory or Field-Installed

RXRD-11MCDAM3
PD555460—Temperature and Humidity Sensor for Dual Enthalpy (for Siemens Controllers Only)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

- Features **Siemens** Climatix ECO® Economizer Controller
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Ultra Low Leak Dampers meet California Title 24 requirements and ASHRAE 90.1 2022
- AMCA 511 Certified Class 1A Leakage—1" WG of differential pressure tested to AMCA Standard 500-D
- Slip-In Design for Easy Installation
- Plug-In Polarized 12-pin Electrical Connections
- Standard Barometric Relief Damper
- Single Enthalpy or Dry Bulb with Return Air Enthalpy Option
- CO_2 Input Sensor Option Available
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Downflow Duct Application.
- Field-Installed Power Exhaust Option Available
- Fault detection and diagnostics
- Can be Converted to DDC Operation with the Economizer Universal DDC Interface Kit (RXRX-DDC01)





[ ] Designates Metric Conversions

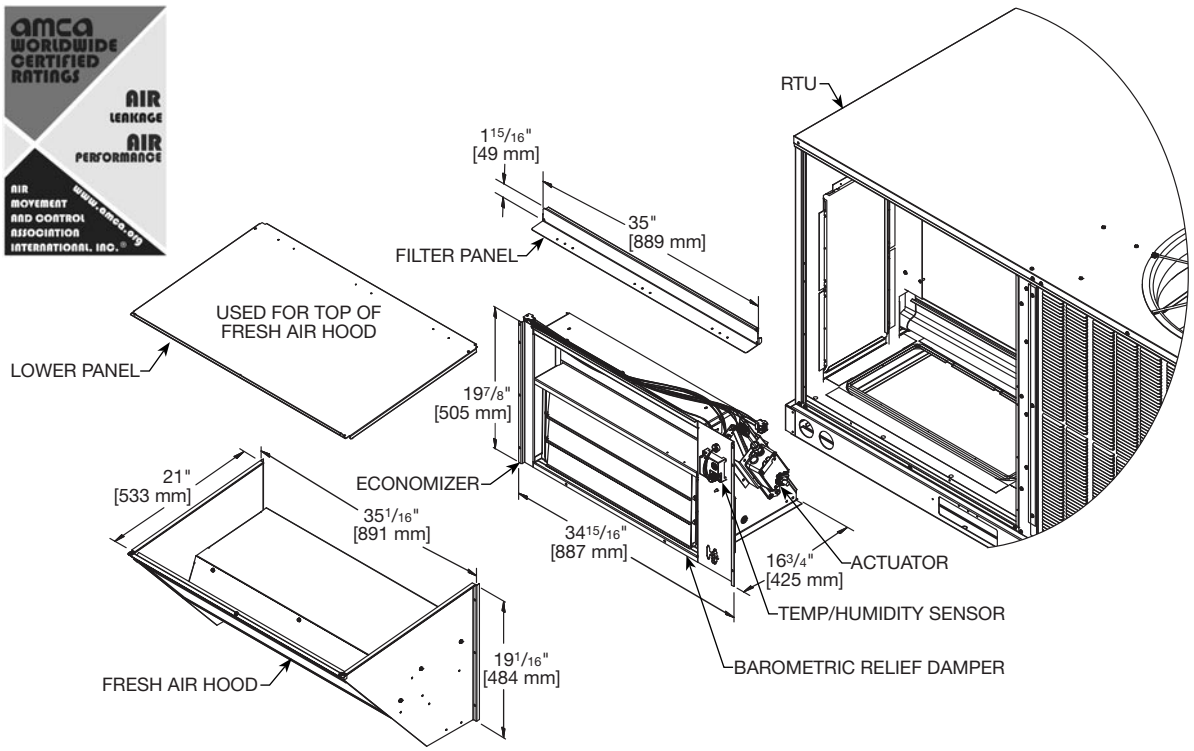
NON-DDC ECONOMIZER WITH SINGLE ENTHALPY (DOWNFLOW) RUSKIN ROOFTOP SYSTEM ECONOMIZER WITH RRS BASIC CONTROLLER

Field-Installed Only

RXRD-41MCDAM3
PD955977—Temperature and Humidity Sensor for Dual Enthalpy (for Ruskin Basic Controller Only)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

These ultra-low leak economizer dampers meet the following minimum construction standards:

1. Frame shall be 14 to 24 gauge galvanized steel channel.
2. Damper blades are galvanized steel airfoil shaped, double skin construction of 14 gauge [2.0] equivalent thickness, 6" [152 mm] wide.
3. Blade edge seals shall be Ruskiprene™ type or equivalent suitable for -72°F [-60°C] to +275°F [+135°C] mechanically locked into the blade edge. Adhesive or clip-on type seals are unacceptable.
4. Jamb seals shall be flexible metal, compression type to prevent leakage between blade end and damper frame. Blade end overlapping frame is unacceptable.
5. Bearings shall be stainless steel or nylon bushing.
6. Axles shall be hexagonal positively locked into the damper blade.
7. Drive mechanism shall be concealed out of airstream to reduce pressure drop and noise.
8. Economizer damper is tested and rated based upon AMCA Publication 500-D.
9. RRS controls feature the Basic economizer controller with 24V actuator. Controls capable of Economizer Fault Detection and Diagnostics for code compliance.
10. Damper shall meet the leakage requirements of the International Energy Conservation Code by leaking less than 3 cfm/sq. ft. at 1" of static pressure and shall be AMCA licensed as a class 1A damper. Complies with reliability and performance requirements as specified by the California Energy Commission's Title 24 Standard and ASHRAE 90.1 2022. Economizer dampers shall be Ruskin Rooftop Systems ECD60 model.
11. Can be Converted to DDC Operation with the Economizer Universal DDC Interface Kit (RXRX-DDC01).



[ ] Designates Metric Conversions

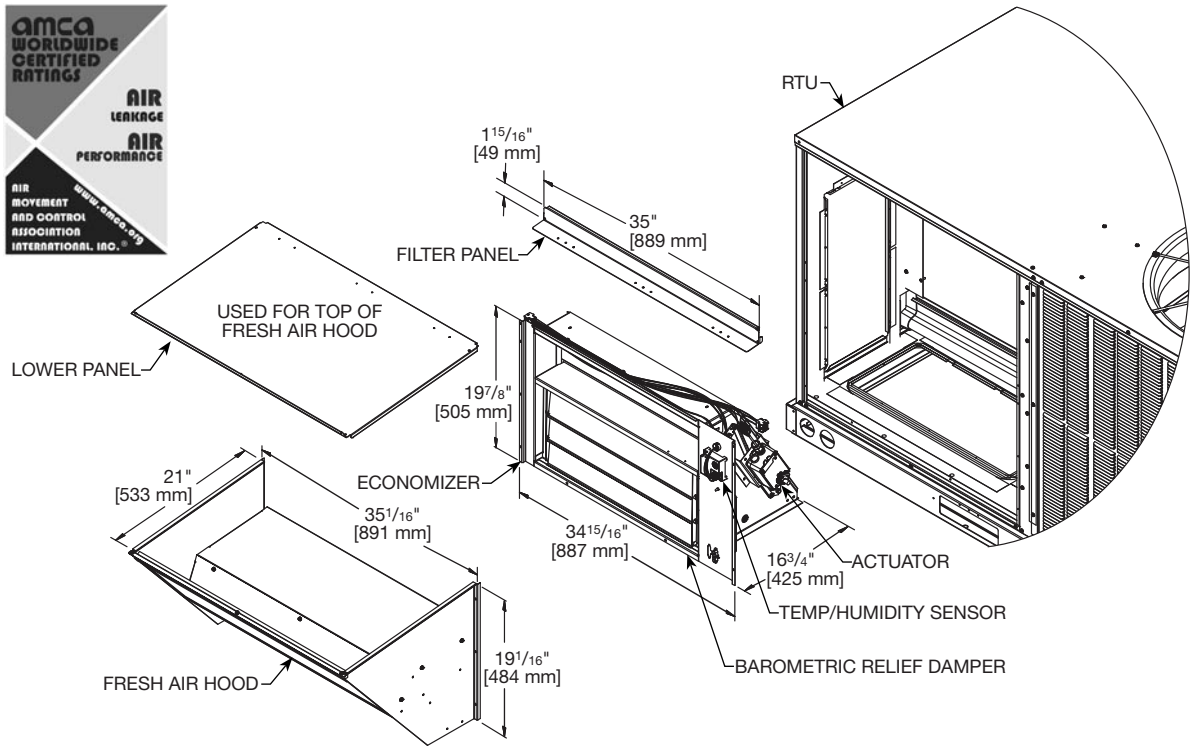
NON-DDC ECONOMIZER WITH SINGLE ENTHALPY (DOWNFLOW) RUSKIN ROOFTOP SYSTEMS ECONOMIZER WITH SIEMENS CONTROLS

Field-Installed Only

RXRD-51MCDAM3
PD555460—Dual Enthalpy, Temperature and Humidity Sensor (for Siemens)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

These ultra-low leak economizer dampers meet the following minimum construction standards:

1. Frame shall be 14 to 24 gauge galvanized steel channel.
2. Damper blades are galvanized steel airfoil shaped, double skin construction of 14 gauge [2.0] equivalent thickness, 6" [152 mm] wide.
3. Blade edge seals shall be Ruskiprene type or equivalent suitable for -72°F [-60°C] to +275°F [+135°C] mechanically locked into the blade edge. Adhesive or clip-on type seals are unacceptable.
4. Jamb seals shall be flexible metal, compression type to prevent leakage between blade end and damper frame. Blade end overlapping frame is unacceptable.
5. Bearings shall be stainless steel or nylon bushing.
6. Axles shall be hexagonal positively locked into the damper blade.
7. Drive mechanism shall be concealed out of airstream to reduce pressure drop and noise.
8. Economizer damper is tested and rated based upon AMCA Publication 500-D.
9. Controls feature the Siemens controller and actuator. Controls capable of Economizer Fault Detection and Diagnostics for code compliance.
10. Damper shall meet the leakage requirements of the International Energy Conservation Code by leaking less than 3 cfm/sq. ft. at 1" of static pressure and shall be AMCA licensed as a class 1A damper. Complies with reliability and performance requirements as specified by the California Energy Commission's Title 24 Standard and ASHRAE 90.1 2022. Economizer dampers shall be Ruskin Rooftop Systems ECD60 model.
11. Can be Converted to DDC Operation with the Economizer Universal DDC Interface Kit (RXRX-DDC01).



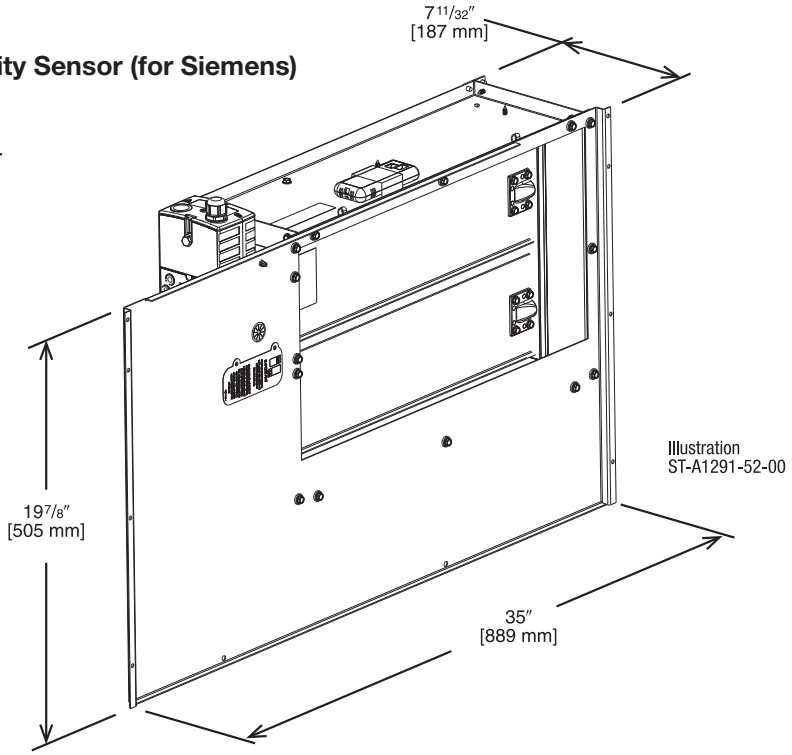
[ ] Designates Metric Conversions

NON-DDC ECONOMIZER WITH SINGLE ENTHALPY (HORIZONTAL) MICROMETL ECONOMIZER WITH SIEMENS CONTROLS

Field-Installed Only

RXRD-11MCHAM3
PD555460—Dual Enthalpy, Temperature and Humidity Sensor (for Siemens)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

- Features **Siemens** Climatix ECO Economizer Controller
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Ultra Low Leak Dampers meet California Title 24 requirements and ASHRAE 90.1 2022
- Slip-In Design for Easy Installation
- Standard Barometric Relief Damper
- Single Enthalpy with Dual Enthalpy Upgrade Kit Available
- CO_2 Input Sensor Option Available
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Horizontal Duct Application
- Field-Installed Power Exhaust Option Available
- Can be Converted to DDC Operation with the Economizer Universal DDC Interface Kit (RXRX-DDC01)



Illustration
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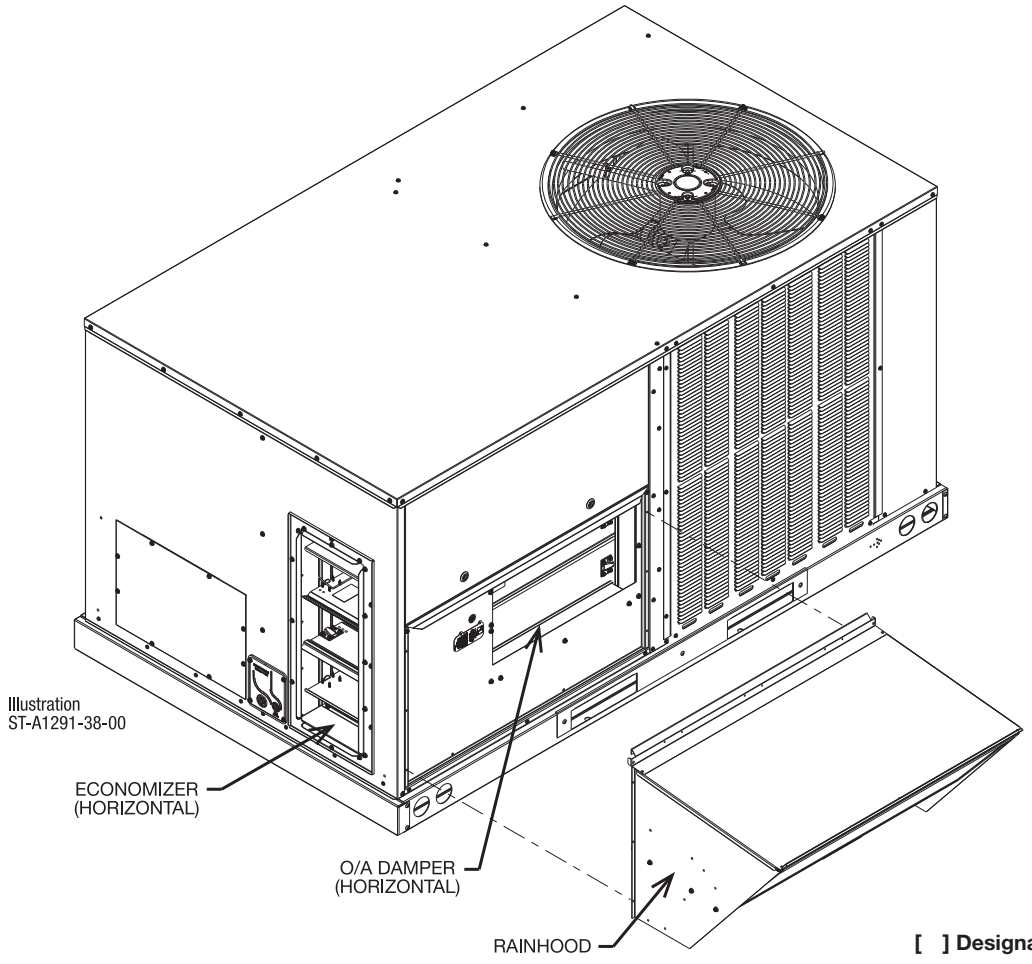


Illustration
ST-A1291-38-00

[ ] Designates Metric Conversions

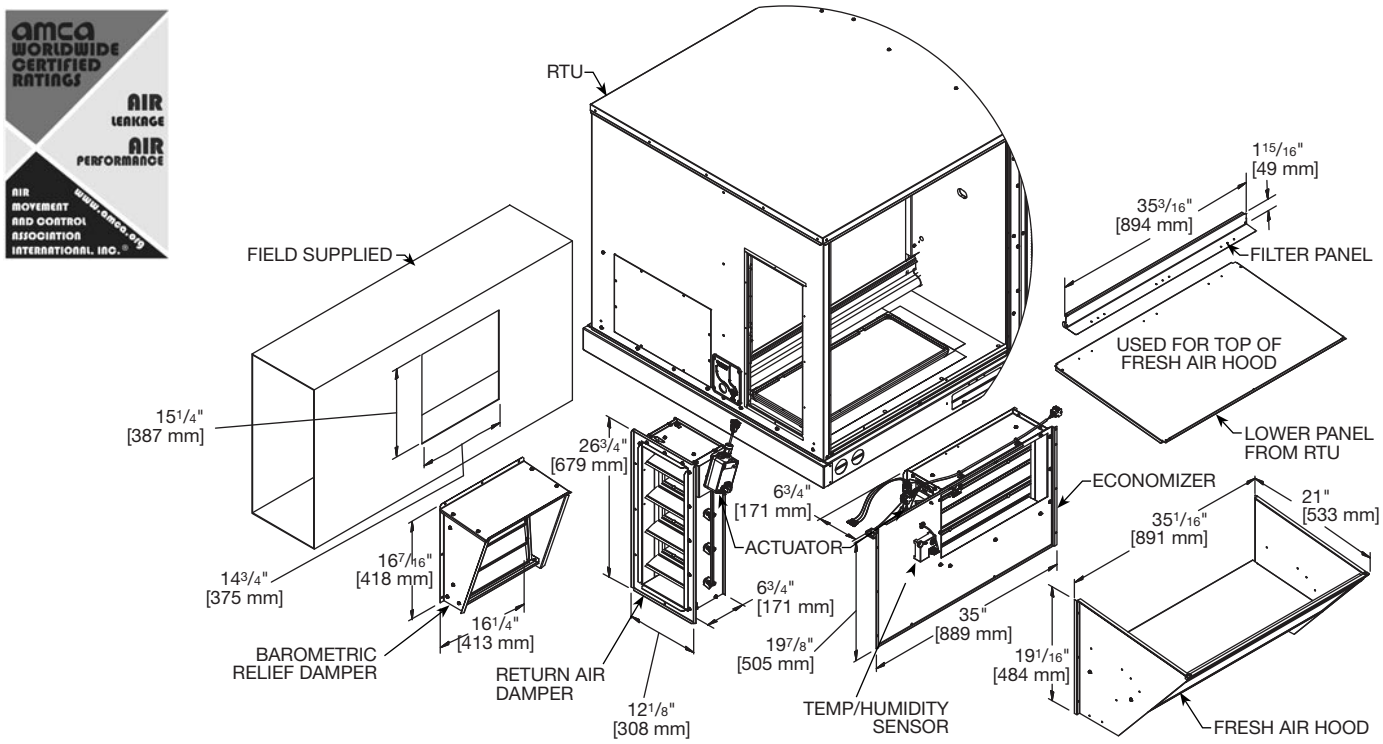
NON-DDC ECONOMIZER WITH SINGLE ENTHALPY (HORIZONTAL) RUSKIN ROOFTOP SYSTEMS ECONOMIZER WITH RRS BASIC CONTROLLER

Field-Installed Only

RXRD-41MCHAM3—Single Enthalpy (Outdoor)
PD955977—Temperature and Humidity Sensor for Dual Enthalpy (for Ruskin Basic Controller Only)
RXRX-AR02—Wall Mounted CO_2 Sensor

These ultra-low leak economizer dampers meet the following minimum construction standards:

1. Frame shall be 14 to 24 gauge galvanized steel channel.
2. Damper blades are galvanized steel airfoil shaped, double skin construction of 14 gauge [2.0] equivalent thickness, 6" [152 mm] wide.
3. Blade edge seals shall be Ruskiprene type or equivalent suitable for -72°F [-60°C] to +275°F [+135°C] mechanically locked into the blade edge. Adhesive or clip-on type seals are unacceptable.
4. Jamb seals shall be flexible metal, compression type to prevent leakage between blade end and damper frame. Blade end overlapping frame is unacceptable.
5. Bearings shall be stainless steel or nylon bushing.
6. Axles shall be hexagonal positively locked into the damper blade.
7. Drive mechanism shall be concealed out of airstream to reduce pressure drop and noise.
8. Economizer damper is tested and rated based upon AMCA Publication 500-D.
9. RRS controls feature the Basic economizer controller with 24V actuator. Controls capable of Economizer Fault Detection and Diagnostics for code compliance.
10. Damper shall meet the leakage requirements of the International Energy Conservation Code by leaking less than 3 cfm/sq. ft. at 1" of static pressure and shall be AMCA licensed as a class 1A damper. Complies with reliability and performance requirements as specified by the California Energy Commission's Title 24 Standard and ASHRAE 90.1 2022. Economizer dampers shall be Ruskin Rooftop Systems ECD60 model.
11 Can be Converted to DDC Operation with the Economizer Universal DDC Interface Kit (RXRX-DDC01).



[ ] Designates Metric Conversions

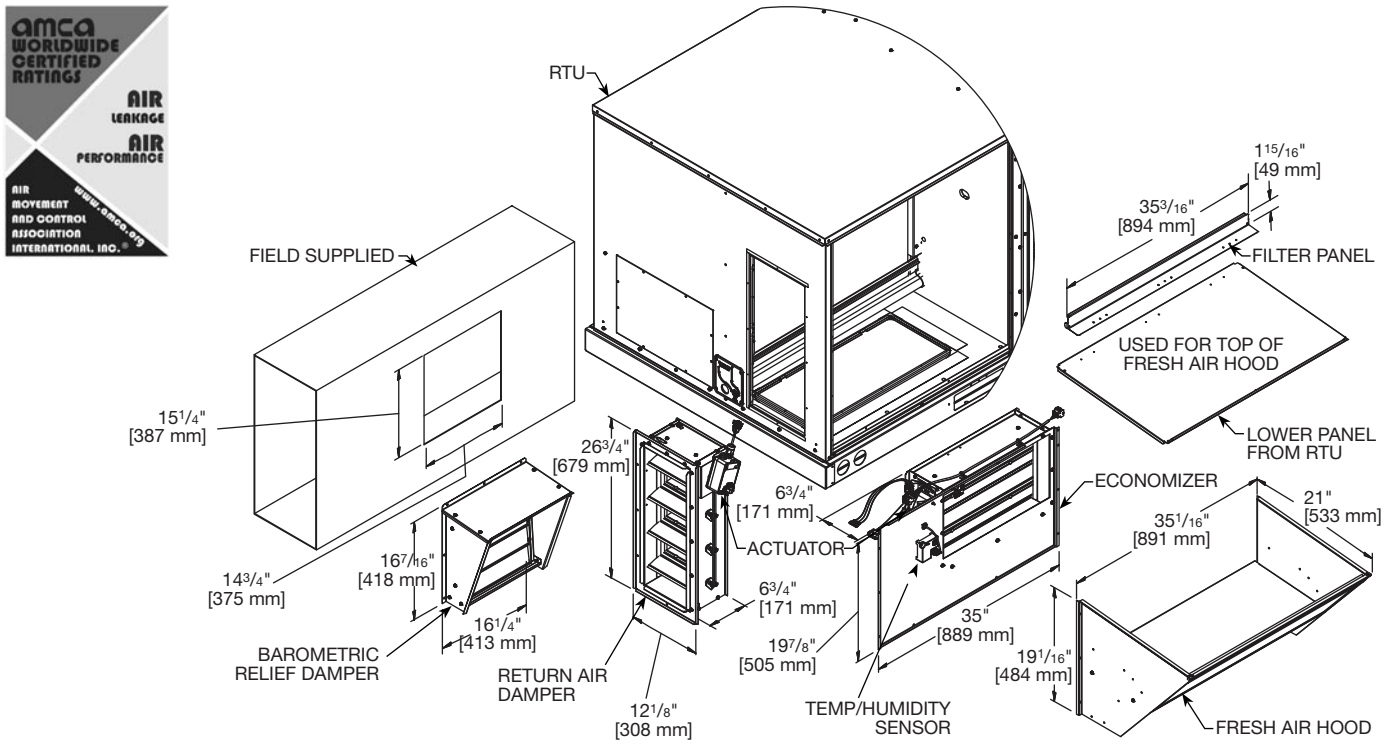
NON-DDC ECONOMIZER WITH SINGLE ENTHALPY (HORIZONTAL) RUSKIN ROOFTOP SYSTEMS ECONOMIZER WITH SIEMENS CONTROLS

Field-Installed Only

RXRD-51MCHAM3
PD555460—Dual Enthalpy, Temperature and Humidity Sensor (for Siemens)
RXRX-AR02—Sensor, Carbon Dioxide (Wall Mount)

These ultra-low leak economizer dampers meet the following minimum construction standards:

1. Frame shall be 14 to 24 gauge galvanized steel channel.
2. Damper blades are galvanized steel airfoil shaped, double skin construction of 14 gauge [2.0] equivalent thickness, 6" [152 mm] wide.
3. Blade edge seals shall be Ruskiprene type or equivalent suitable for -72°F [-60°C] to +275°F [+135°C] mechanically locked into the blade edge. Adhesive or clip-on type seals are unacceptable.
4. Jamb seals shall be flexible metal, compression type to prevent leakage between blade end and damper frame. Blade end overlapping frame is unacceptable.
5. Bearings shall be stainless steel or nylon bushing.
6. Axles shall be hexagonal positively locked into the damper blade.
7. Drive mechanism shall be concealed out of airstream to reduce pressure drop and noise.
8. Economizer damper is tested and rated based upon AMCA Publication 500-D.
9. Controls feature the Siemens controller and actuator. Controls capable of Economizer Fault Detection and Diagnostics for code compliance.
10. Damper shall meet the leakage requirements of the International Energy Conservation Code by leaking less than 3 cfm/sq. ft. at 1" of static pressure and shall be AMCA licensed as a class 1A damper. Complies with reliability and performance requirements as specified by the California Energy Commission's Title 24 Standard and ASHRAE 90.1 2022. Economizer dampers shall be Ruskin Rooftop Systems ECD60 model.
11. Can be Converted to DDC Operation with the Economizer Universal DDC Interface Kit (RXRX-DDC01).



[ ] Designates Metric Conversions

ECONOMIZER UNIVERSAL DDC INTERFACE KIT

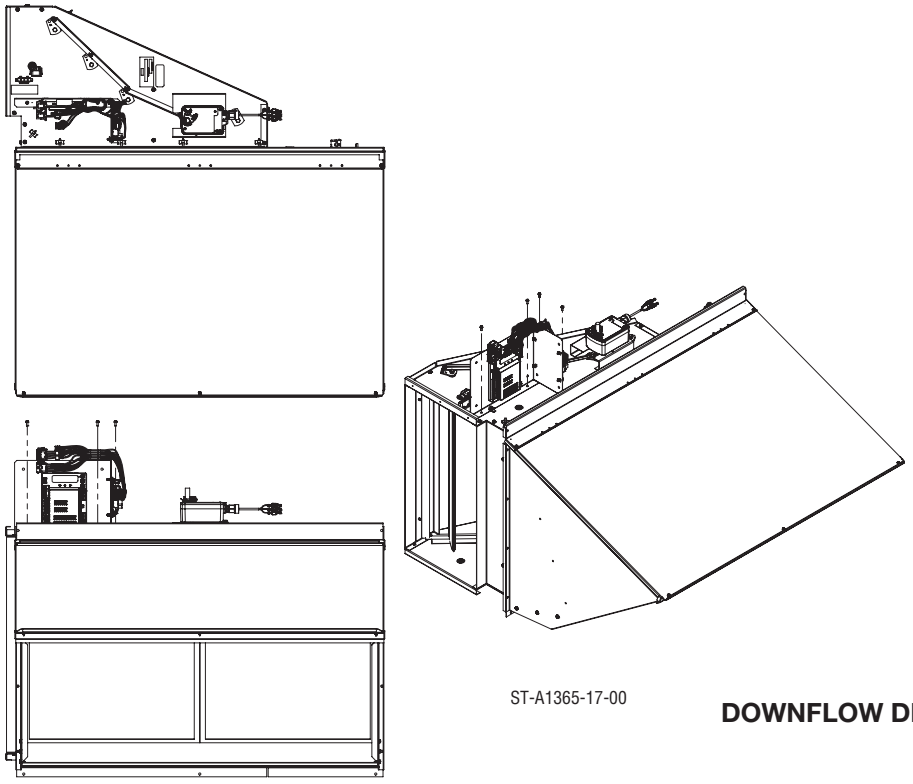
Factory or Field-Installed

RXRX-DDC01

- Allows any Non-DDC Economizer to be used with a ClearControl DDC model
- Mounts on the Economizer
- Provides Mounting location for Economizer Controller
- Provides wire management for excess wire
- Does not have to be selected individually. This accessory will be included with the factory installed economizer for a DDC unit if required.

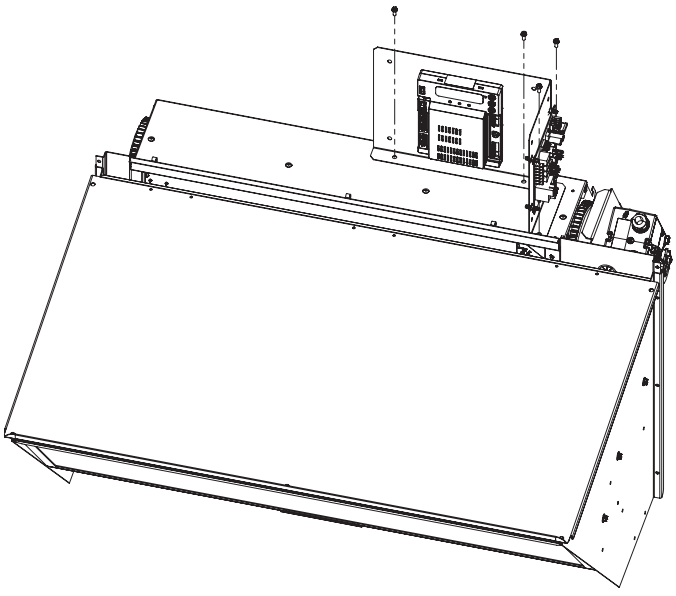
NOTE: Older DDC Models, prior to A2L, may require a field update to the ClearControl Software. The minimum version required is 3.15. Models with R-454B refrigerant come with software version 4.0 or higher.

HORIZONTAL FLOW DDC BRACKET SETUP



ST-A1365-17-00

DOWNFLOW DDC BRACKET SETUP

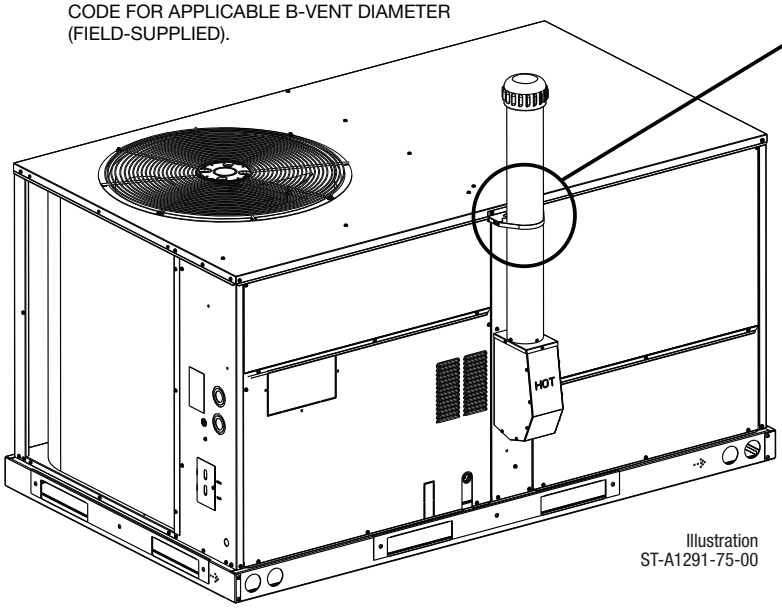


ST-A1365-13-01

FLUE DIVERTER

RXRX-DEG03

FLUE DIVERTER HELPS DIRECT PRODUCTS OF COMBUSTION AWAY FROM FRESH AIR INTAKES. FLUE DIVRTER IS COMPATIBLE WITH ALL THREE BTU INPUTS.
REFER TO ANSI Z223.1 NATIONAL FUEL GAS CODE FOR APPLICABLE B-VENT DIAMETER (FIELD-SUPPLIED).



Illustration
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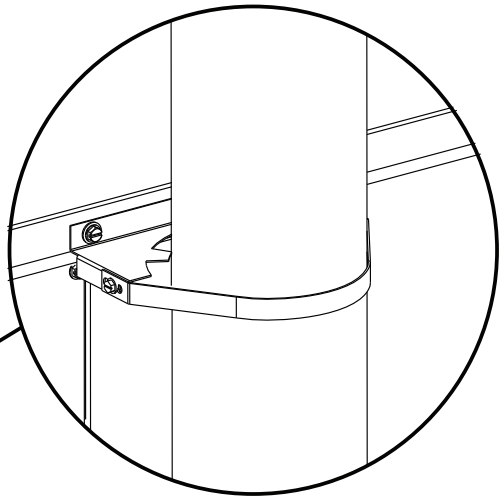
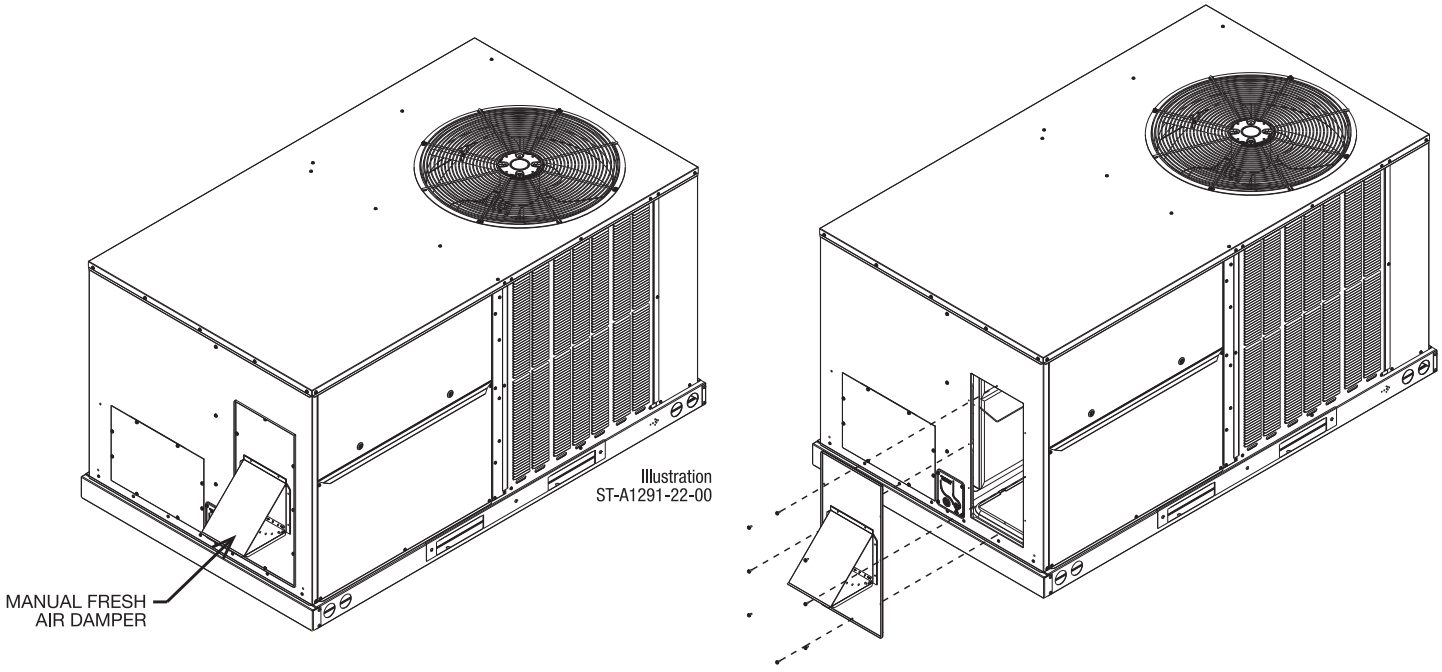


B-VENT SUPPORT BRACKET DETAIL. SHOWN WITH 4-INCH FLUE PIPE.

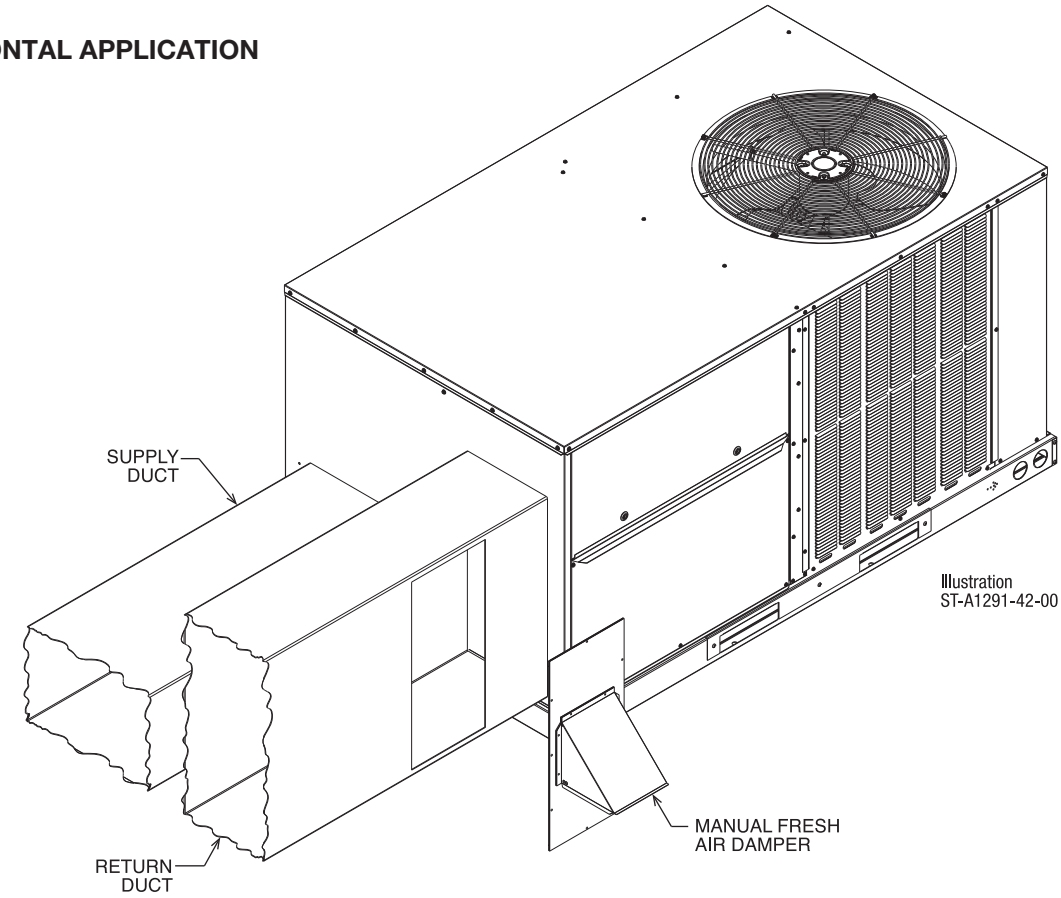
FRESH AIR DAMPER

MANUAL DAMPER KIT
RXRF-ACA1

DOWNFLOW APPLICATION



HORIZONTAL APPLICATION



FRESH AIR DAMPER

MOTORIZED DAMPER KIT
RXRF-ACB1

- Features **Siemens** Actuator
- Gear Driven Direct Drive Actuator
- Adjustable to 2 positions
- Slip-In Design for Easy Installation
- Plug-In Polarized 12-pin and 4-pin Electrical Connections
- Pre-Configured—No Field Adjustments Necessary

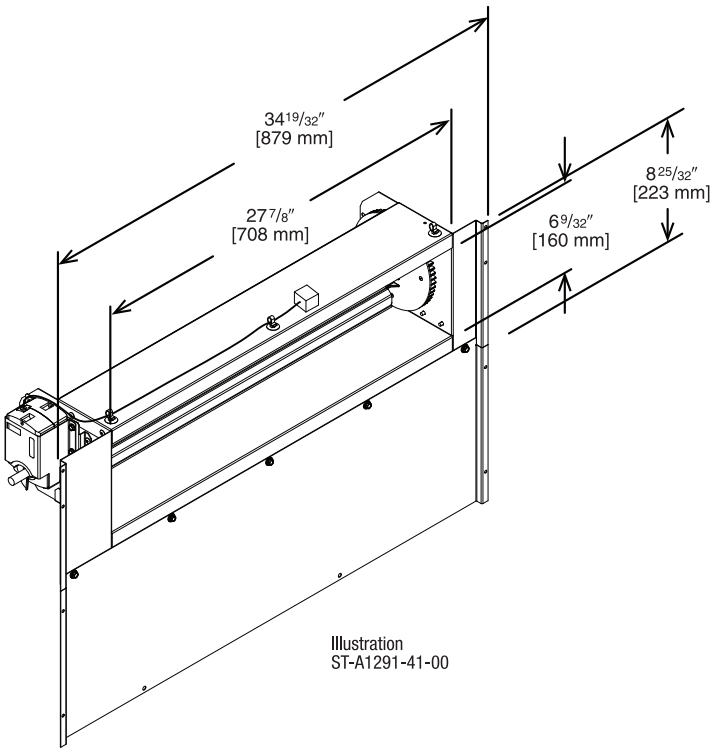


Illustration
ST-A1291-41-00

[ ] Designates Metric Conversions

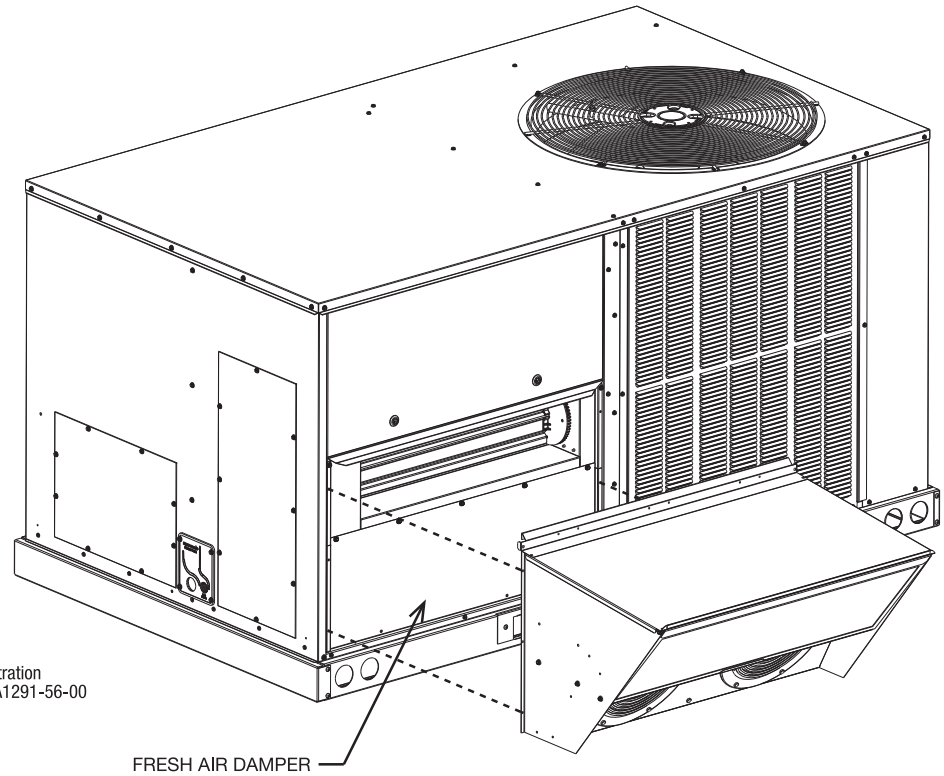


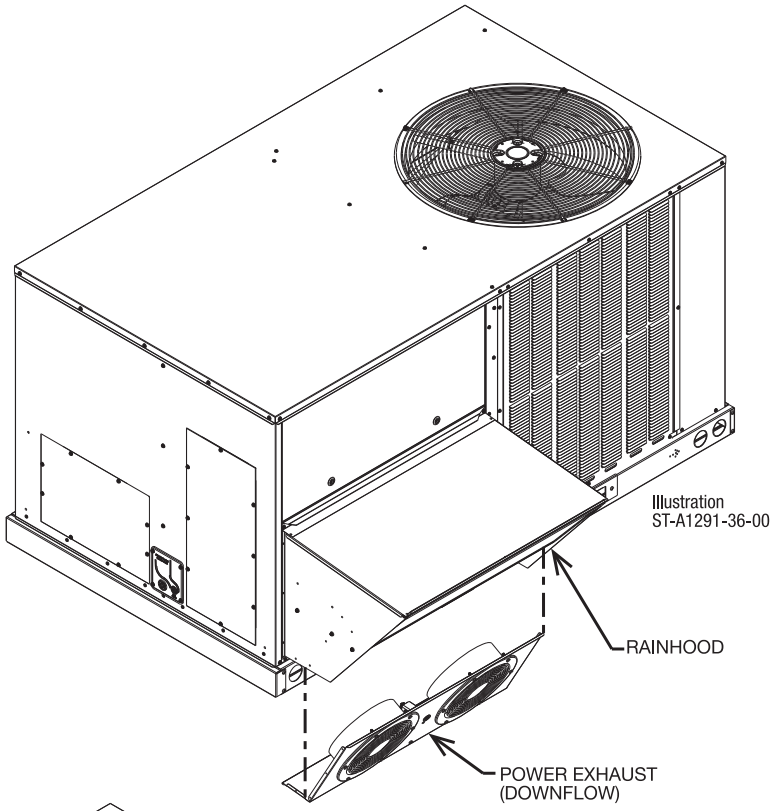
Illustration
ST-A1291-56-00

POWER EXHAUST KIT FOR ECONOMIZERS

RXRX-CCF02*

***Voltage Code (C or D)**

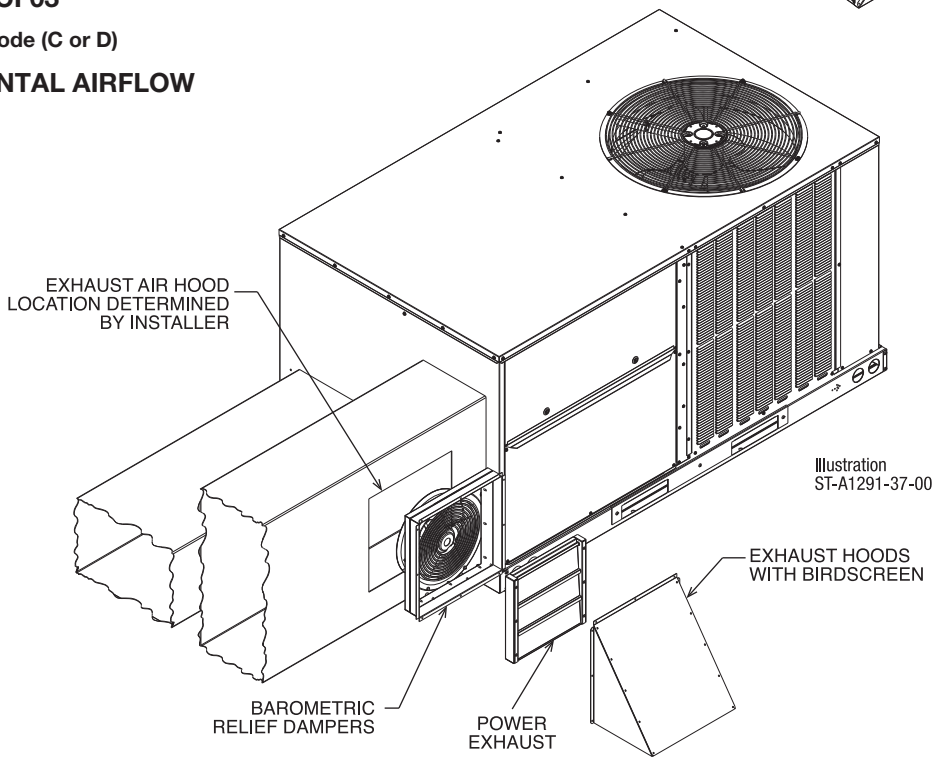
VERTICAL AIRFLOW



RXRX-CCF03*

***Voltage Code (C or D)**

HORIZONTAL AIRFLOW



Model No.	No. of Fans	Volts	Phase	HP (ea.)	CFM [L/s]*	RPM	FLA (ea.)	LRA (ea.)
RXRX-CCF0*C	2	208/230	1	0.47	2200	3000	1.55	1.1
RXRX-CCF0*D	2	460	3	0.40	1970	2750	0.51	1.9

*CFM is per fan at 0" w.c. external static pressure.

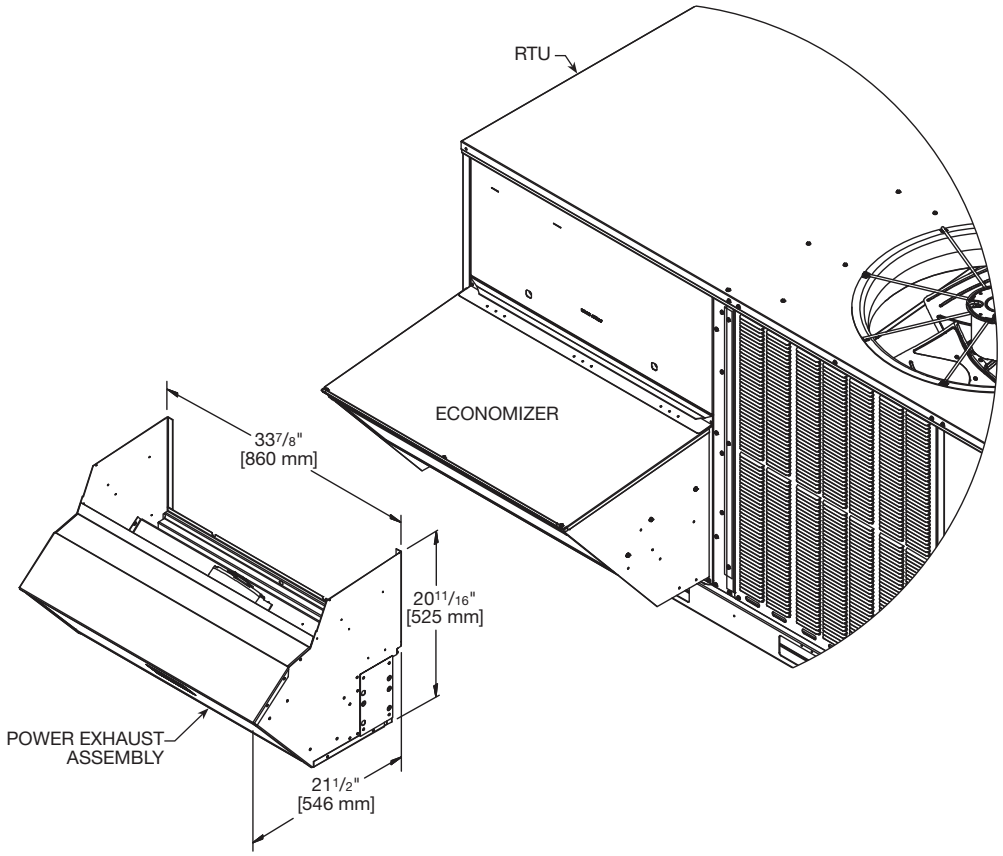
[ ] Designates Metric Conversions

POWER EXHAUST KIT FOR DOWNFLOW ECONOMIZERS

RXRX-RCF02*

***Voltage Code (C, D or Y)**

- Shipped completely assembled
- All wiring from control box to economizer is supplied
- Color coordinated with the unit
- Fully insulated with 1" 1.5 lb. fiberglass insulation
- Motors are factory wired and tested
- **Economizer Sold Separately**
- When using this power exhaust system, clearance between the bottom of the unit and the finished roof deck should be a minimum of 10 inches. Some applications may require a taller roofcurb for proper installation.



[ ] Designates Metric Conversions

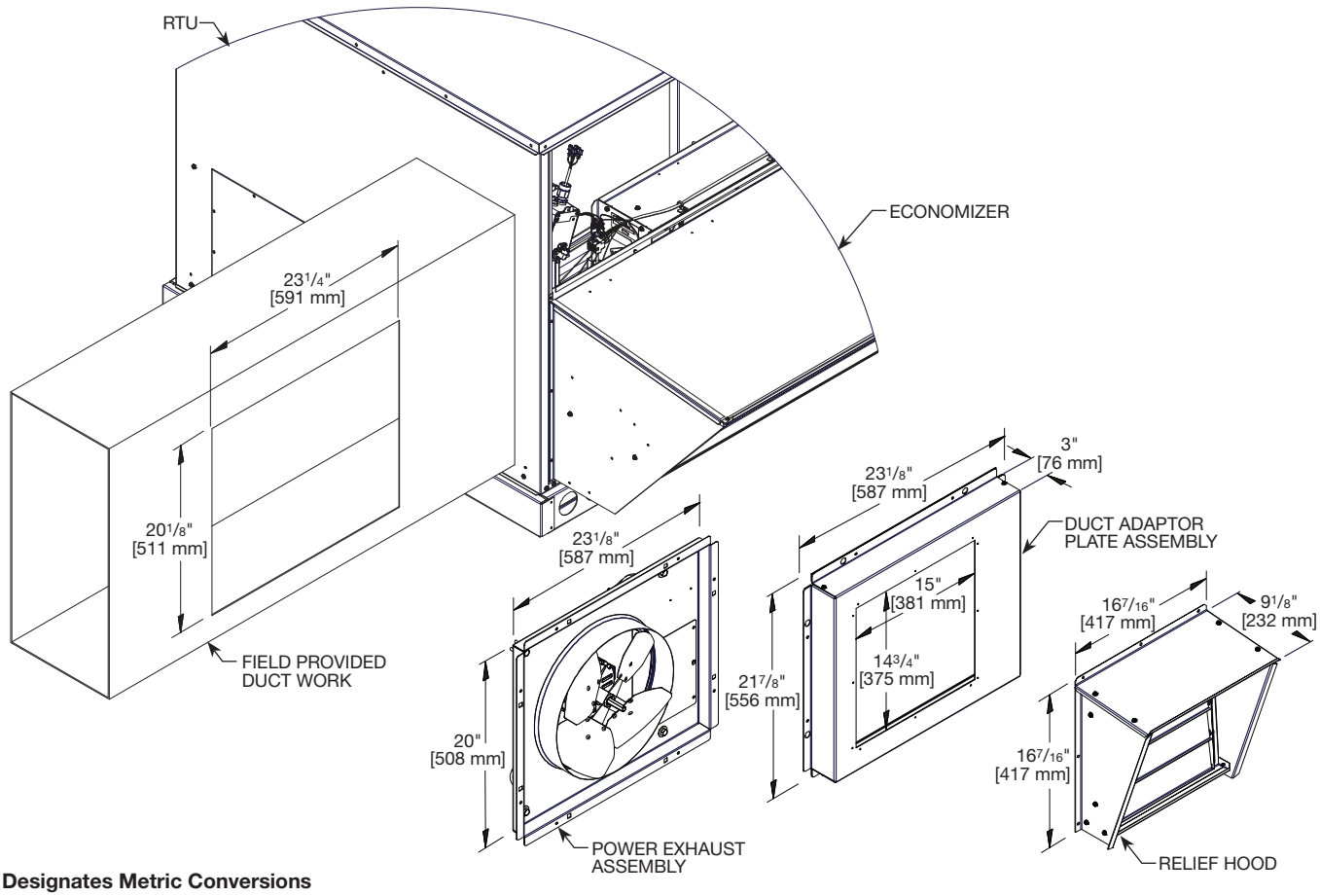
Model No.	Volt	Phase	Motor				Unit				@ 0.1 CFM
			HP	RPM	LRA	Qty.	Cir. Qty.	FLA	MCA	Fuse Size	
RXRX-RCF02C	208/230	1	1/2	1625	5.86	1	1	2.70	3.38	6	1989
RXRX-RCF02D	460				3.33			1.34	1.68	3	
RXRX-RCF02Y	575				2.52			1.06	1.33	2	

POWER EXHAUST KIT FOR HORIZONTAL ECONOMIZERS

RXRX-RCF03*

***Voltage Code (C, D or Y)**

- Shipped completely assembled
- All wiring from control box to economizer is supplied
- Color coordinated with the unit
- Fully insulated with 1" 1.5 lb. fiberglass insulation
- Motors are factory wired and tested
- **Economizer with Relief Hood Sold Separately**
- When using this power exhaust system, clearance between the bottom of the unit and the finished roof deck should be a minimum of 10 inches. Some applications may require a taller roofcurb for proper installation.

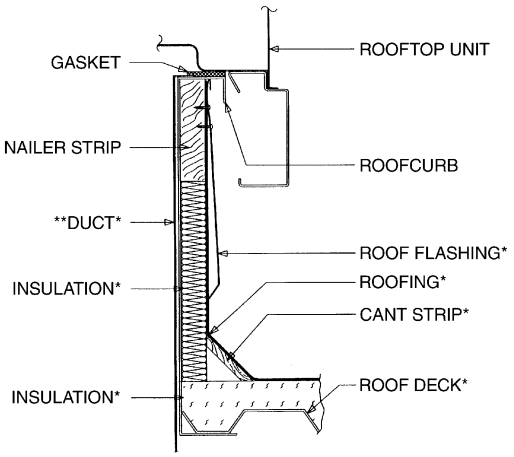


[ ] Designates Metric Conversions

Model No.	Volt	Phase	Motor				Unit				@ 0.1 CFM
			HP	RPM	LRA	Qty.	Cir. Qty.	FLA	MCA	Fuse Size	
RXRX-RCF03C	208/230	1	1/2	1625	5.86	1	1	2.70	3.38	6	2013
RXRX-RCF03D	460				3.33			1.34	1.68	3	
RXRX-RCF03Y	575				2.52			1.06	1.33	2	

ROOFCURBS (Full Perimeter)

- Rheem's roofcurb design can be utilized on all 3-6 ton [10.6-17.6 kW] RGEC models
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models
- Quick assembly corners for simple and fast assembly
- Opening provided in bottom pan to match the "Thru the Curb" electrical, gas piping, condensate, connection opening provided on the unit base pan
- 1" [25 mm] x 4" [102 mm] Nailer provided
- Sealing gasket (40' [12.2 m]) provided with Roofcurb
- Packaged for easy field assembly



*BY CONTRACTOR

**FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

Illustration
ST-A0743-02

View	Roofcurb Model	Height of Curb
A	RXKG-DCC14	14" [356 mm]
A	RXKG-DCC24	24" [610 mm]

ROOFCURB INSTALLATION

VIEW A

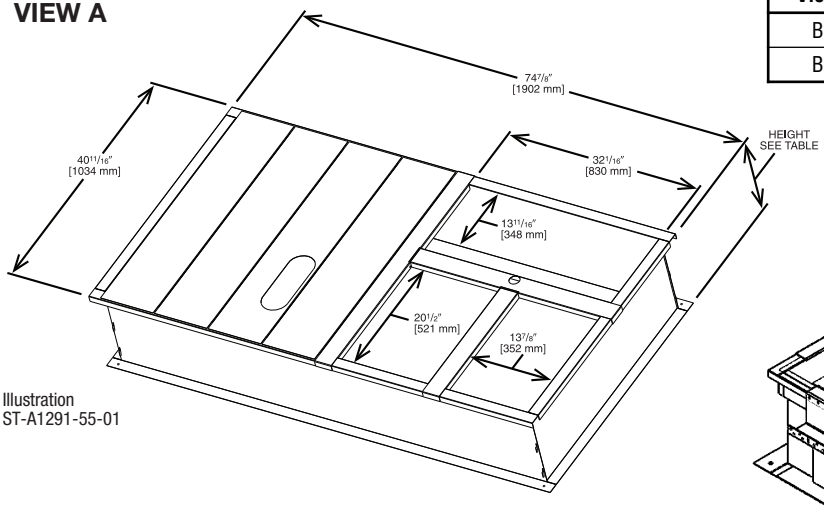
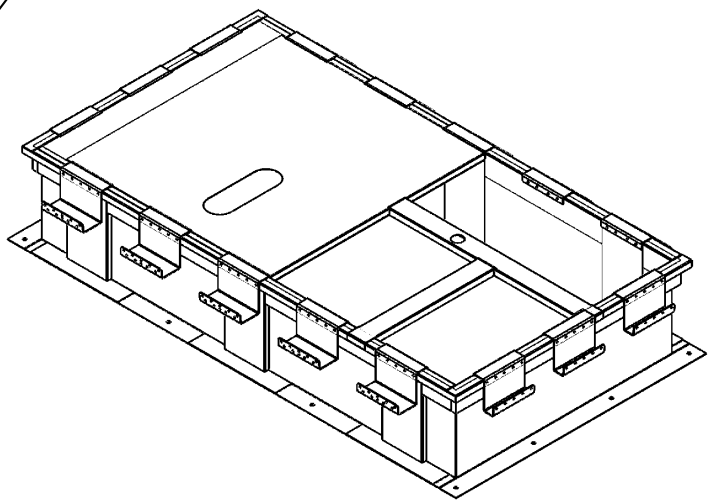


Illustration
ST-A1291-55-01

View	Roofcurb Model	Dimensions
B	RXKG-DC14	74.875" x 40.688" x 14.0"
B	RXKG-DC24	74.875" x 40.688" x 24.0"

WELDED ROOFCURB VIEW B

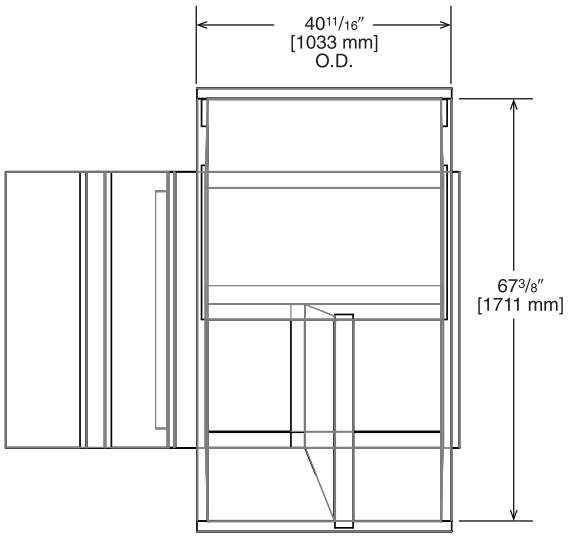


[ ] Designates Metric Conversions

- State of Florida Approved: Approval Number FL 26981 for Technical Evaluation Report TER-20-28788 certifies the HVAC Unit and mounting methods for high wind resistance are compliant per Florida Building Code.

ROOFCURB ADAPTERS (CONTINUED)

RXRX-DCCAE



Approximate Static Pressure Drop
@1200 CFM = 0.05" w.g.
@2000 CFM = 0.19" w.g.

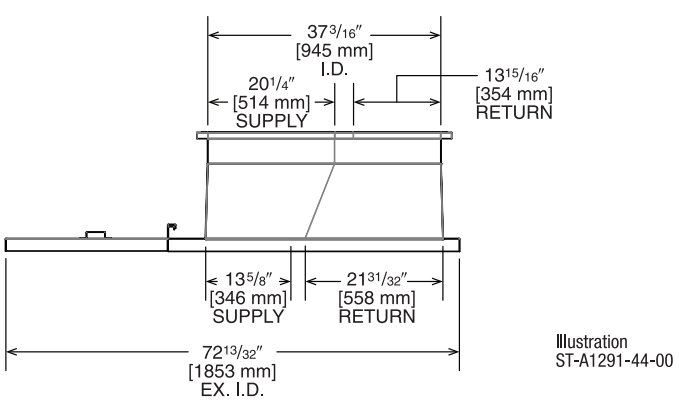
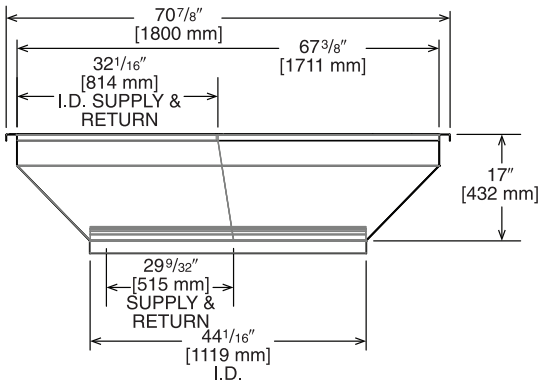


Illustration
ST-A1291-44-00



TOP VIEW

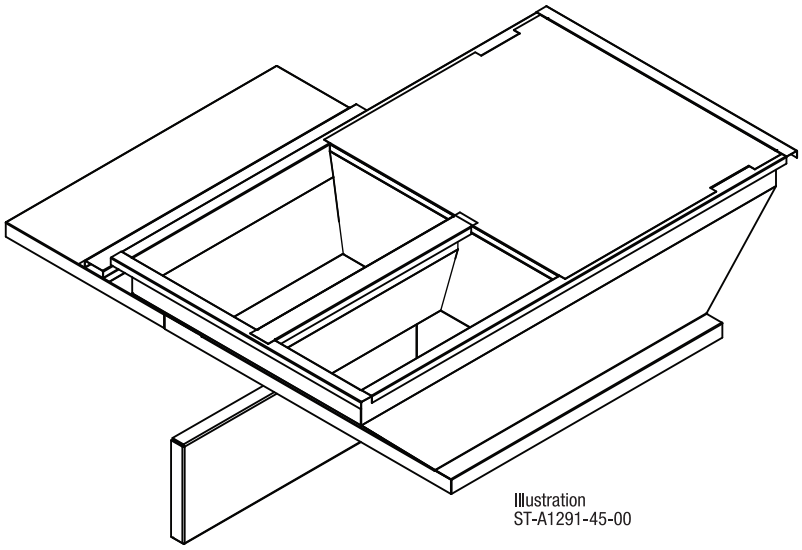


Illustration
ST-A1291-45-00

[ ] Designates Metric Conversions

Guide Specifications RGEC— 036-072

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GAS HEAT PACKAGED ROOFTOP

HVAC Guide Specifications

Size Range: 3 to 6 Nominal Tons

1.00 General:

A. Outdoor, rooftop mounted, electrically controlled, heating and cooling unit utilizing a(n) hermetic scroll compressor(s) for cooling duty and heat pump for heating duty.

B. Factory assembled, single-piece heating and cooling rooftop unit. Contained within the unit enclosure shall be all factory wiring, piping, controls, and special features required prior to field start-up.

C. Unit shall use environmentally safe, R-454B refrigerant.

D. Unit shall be installed in accordance with the manufacturer’s instructions.

E. Unit must be selected and installed in compliance with local, state, and federal codes.

1.01 Quality Assurance:

A. Unit meets ASHRAE 90.1 2022 minimum efficiency requirements.

B. Unit shall be rated in accordance with AHRI Standards 210/240 or 340/360 and 10 CFR appendix M1 to subpart B or part 430.

C. Unit shall be designed to conform to ASHRAE 15.

D. Unit shall be UL-tested and certified in accordance with Standards and UL-listed and certified under Canadian standards as a total package for safety requirements.

E. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.

F. Unit casing shall be capable of withstanding 1000-hour salt spray exposure per ASTM B117 (scribed specimen).

G. Roof curb shall be designed to conform to NRCA Standards.

H. Unit shall be subjected to a completely automated run test on the assembly line. The data for each unit will be stored at the factory, and must be available upon request.

I. Unit shall be designed in accordance with UL Standard 60335-2-40 4th Edition. including tested to withstand rain.

1.02 Manufacturer Qualifications

A. Unit shall be designed in accordance with ISO 9001:2015, and shall be manufactured in a facility registered by ISO 9001:2015.

1.03 Installer Qualifications

A. The installer shall be trained to install and service equipment with A2L refrigerants.

1.04 Delivery, Storage, and Handling:

A. Unit shall be stored and handled per manufacturer’s recommendations.

B. Lifted by crane requires either shipping top panel or spreader bars.

C. Unit shall only be stored or positioned in the upright position.

1.05 Unit Cabinet:

A. Unit cabinet shall be constructed of galvanized steel.

B. Unit cabinet exterior paint shall be: pre-painted steel.

C. Evaporator fan compartment interior cabinet insulation shall conform to AHRI Standards 210 or 360 minimum exterior sweat criteria. Interior surfaces shall be insulated with a minimum 1/2-in. thick, 1.6 lb density, flexible fiberglass insulation, foil faced on the air side. Aluminum foil-faced fiberglass insulation shall be used in the gas heat compartment.

D. Base of unit shall have a location for thru-the-base gas and electrical connections standard.

E. Base Rail:

i. Unit shall have base rails on a minimum of 4 sides.

ii. Holes shall be provided in the base rails for rigging shackles to facilitate maneuvering and overhead rigging.

iii. Holes shall be provided in the base rail for moving the rooftop for fork truck.

iv. Base rail shall be a minimum of 14 gauge thickness.

F. Condensate pan and connections:

i. Shall be a sloped condensate drain pan made of a non-corrosive material and be removable for cleaning.

ii. Shall comply with ASHRAE Standard 62.

iii. Shall use a 3/4" NPT drain connection, possible either through the bottom or side of the drain pan. Connection shall be made per manufacturer’s recommendations.

iv. Shall be able to be easily removed.

G. Top panel
   i. Shall be a single piece top panel over indoor section.
H. Gas Connections:
   i. All gas piping connecting to unit gas valve shall enter the unit cabinet at a single location on side of unit (horizontal plane).
   ii. Thru-the-base-capability:
      a. Standard unit shall have a thru-the-base gas-line locations using a continuous raised, flange around opening in the basepan.
      b. No basepan penetration, other than those authorized by the manufacturer, is permitted.
I. Electrical Connections:
   i. All unit power wiring shall enter unit cabinet via a single, factory-prepared, continuous raised flange opening in the basepan.
   ii. Thru-the-base capability:
      a. Standard unit shall have a thru-the-base electrical location(s) using a raised, continuous raised flange opening in the basepan.
      b. No basepan penetration, other than those authorized by the manufacturer, is permitted.
J. Component access panels (standard):
   i. Cabinet panels shall be easily opened for servicing.
   ii. Panels covering control box, indoor fan, indoor fan motor, gas components (where applicable), and filters shall have hinges with 1/4 turn fasteners on units with factory-installed hinged option.
   iii. 1/4 turn fasteners shall be permanently attached.

1.06 Operating Characteristics:

A. Unit shall be capable of starting and running at 115°F (46°C) ambient outdoor temperature, meeting maximum load criteria of AHRI Standard 210/240 or 340/360 at ± 10% voltage.
B. Compressor with standard controls shall be capable of operation down to 50°F (10°C), ambient outdoor temperatures. Low ambient accessory kit is necessary if mechanically cooling at ambient temperatures to 0°F (-17.7°C).
C. Unit shall discharge supply air vertically or horizontally as shown on contract drawings.
D. Unit shall be factory configured for vertical supply & return configurations.
E. Unit shall be field convertible from vertical to horizontal configuration.

1.07 Electrical Requirements

A. Main power supply voltage, phase, and frequency must match those required by the manufacturer.

1.08 Evaporator fan compartment:

A. Interior cabinet surfaces shall be insulated with a minimum 1/2-in. thick, minimum 1.6 LB density, flexible fiberglass insulation bonded with foil face on the air side.
B. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.
C. Insulation shall also be mechanically fastened with welded pin and retainer washer.

1.09 Thermostats

A. Thermostat must:
   i. Energize both “W” and “G” when calling for heat.
   ii. Have capability to energize 1 stage of cooling, and at least 1 stage of heating.
   iii. Include capability for occupancy scheduling.

1.10 Electronic Control System for HVAC:

A. Shall be complete with self-contained low-voltage control circuit protected by a fuse on the 24-V transformer side.
B. Shall utilize color-coded wiring.
C. Unit shall include a minimum of one 8-pin screw terminal connection board for connection of control wiring.
D. The heat exchanger shall be controlled by the Core Command microprocessor. See heat exchanger section of this specification.

1.11 Safeties:

A. Compressor over-temperature, over current.
B. Low-pressure switch.
   i. Units shall have low pressure, loss of charge automatic reset device that will shut off compressor when tripped.
C. High-pressure switch.
   i. Unit shall be equipped with high pressure switch device that will shut off compressor when tripped.
D. Automatic reset, motor thermal overload protector.

E. The unit must be permanently grounded.
F. Components are not compatible between different refrigerants. Do not use R-410A service equipment or components on R-454B equipment. System or part failure could occur.
G. Heating section shall be provided with the following minimum protections:
    i. High-temperature limit switches.
    ii. Induced draft motor pressure switch.
    iii. Flame rollout switch.
    iv. Flame proving controls.

1.12 Standard Filter Section:

A. Shall consist of factory-installed, low velocity, throwaway 2-in. thick fiberglass filters of commercially available sizes.
B. Unit will accept both 2-in. and 4-in. filters.
C. Filter face velocity shall not exceed 365 fpm at nominal airflows.
D. Filters shall be accessible through an access panel with “no-tool” removal as described in the unit cabinet section of the specification.
E. Filters access is specified in the unit cabinet section of this specification.
F. Filters shall be held in place by metal rods, facilitating easy removal and installation.

1.13 Coils

A. Standard Aluminum/MicroChannel Coils:
    i. Standard evaporator and condenser coils shall be aluminum.
    ii. Evaporator and condenser coils shall be leak tested to 150 psig, pressure tested to 400 psig, and qualified to burst test at 2,200 psi.

1.14 Refrigerant Components:

A. Refrigerant circuit shall include the following control, safety, and maintenance features:
    i. TXV metering system shall prevent mal-distribution of two-phase refrigerant.
    ii. Refrigerant filter drier.
    iii. Service gauge connections on suction and discharge lines.
    iv. External pressure gauge ports access shall be located in front exterior of cabinet.
B. Compressors:
    i. Unit shall use one fully hermetic scroll compressor.
    ii. 3-5 ton RGEDYB units include one single-stage compressor.
    iii. 6 ton RGECYB and 3-5 ton RGECYC units include one two-stage compressor.
    iv. Compressor motors shall be cooled by refrigerant gas passing through motor windings.
    v. Compressors shall be internally protected from high discharge temperature conditions.
    vi. Compressors shall be protected from an over-temperature and over-amperage conditions by an internal, motor overload device.
    vii. Compressor shall be factory mounted on rubber grommets.
    viii. Compressor motors shall have internal line break thermal and current overload protection.
    ix. Crankcase heaters shall not be required for normal operating range.
    x. Compressor shall have molded electrical plug.

1.15 Evaporator Fan and Motor:

A. EvaporatorFan Motor:
    i. Shall have permanently lubricated bearings.
    ii. Shall have inherent automatic-reset thermal overload protection.
B. Direct Drive Evaporator Fan:
    i. Direct drive ECM technology with (5) dedicated speed selections as follows: fan, low, high, AC low static, AC high static.
    ii. Blower fan shall be double-inlet type with forward-curved blades.
    iii. Shall be constructed from steel with a corrosion resistant finish and dynamically balanced.

1.16 Condenser Fans and Motors:

A. Condenser Fan Motors:
    i. Shall be a totally enclosed motor.
    ii. Shall use permanently lubricated bearings.
    iii. Shall have inherent thermal overload protection with an automatic reset feature.
    iv. Shall use a shaft-down design. Shaft-up designs including those with “rain-slinger devices” shall not be allowed.

B. Condenser Fans shall:
   i. Shall be a direct-driven propeller type fan
   ii. Shall have blades riveted to corrosion-resistant steel spiders and shall be dynamically balanced.

1.17 Gas Heat Compartment:

A. Aluminum foil-faced fiberglass insulation shall be used.
B. Insulation and adhesives shall meet NFPA 90A requirements for flame spread and smoke generation.
C. Insulation shall also be mechanically fastened with welded pin and retainer washer.

1.18 Gas Heat:

A. Heat exchanger shall be an induced draft design. Positive pressure heat exchanger designs shall not be allowed.
B. Shall incorporate a direct-spark ignition system and redundant main gas valve.
C. Heat exchanger design shall allow combustion process condensate to gravity drain; maintenance to drain the gas heat exchanger shall not be required.
D. Gas supply pressure at the inlet to the rooftop unit gas valve must match that required by the manufacturer.
E. The heat exchanger shall be controlled by the CoreCommand microprocessor.
   i. The CoreCommand board shall notify users of fault using two 7 segment displays.
F. Standard Heat Exchanger Construction:
   i. Heat exchanger shall be of the tubular-section type constructed of a minimum of 20-gauge steel coated with a nominal 1.2 mil aluminum-silicone alloy for corrosion resistance.
   ii. Burners shall be of the in-shot type constructed of aluminum-coated steel.
   iii. Burners shall incorporate orifice for rated heat output up to 2,000 ft. (610m) elevation with a gas heating valve of 1050. Alternate orifices may be required depending on local gas heating valves and elevations.
   iv. Each heat exchanger tube shall contain restrictions similar to dimples for increased heating effectiveness.
G. Optional Stainless Steel Heat Exchanger Construction:
   i. Use energy saving, direct-spark ignition system.
   ii. Use a redundant main gas valve.
   iii. Burners shall be of the in-shot type constructed of aluminum-coated steel.
   iv. All gas piping shall enter the unit cabinet at a single location on side of unit (horizontal plane).
   v. The optional stainless steel heat exchanger shall be of the tubular-section type, constructed of a minimum of 20-gauge type 409 stainless steel.
   vi. Type 409 stainless steel shall be used in heat exchanger tubes.
H. Induced Draft Combustion Motor and Blower:
   i. Shall be a direct-drive, single inlet, forward-curved centrifugal type.
   ii. Shall be made from steel with a corrosion-resistant finish.
   iii. Shall be permanently lubricated sealed bearings.
   iv. Shall have inherent thermal overload protection.
   v. Shall have an automatic reset feature.

1.19 Special Features:

A. Integrated Economizers:
   i. Integrated, parallel modulating blade design type capable of simultaneous economizer and compressor operation.
   ii. Independent modules for vertical or horizontal return configurations shall be available. Vertical return modules shall be available as a factory-installed option.
   iii. Damper blades shall be galvanized steel. Plastic or composite blades on intake or return shall not be acceptable.
   iv. Shall include all hardware and controls to provide free cooling with outdoor air when temperature and/or humidity are below setpoints.
   v. Shall be equipped with driven dampers for both the outdoor ventilation air and the return air for positive air stream control.
   vi. Shall be equipped with low-leakage dampers, not to exceed 2% leakage at 1 in. wg pressure differential.
   vii. Shall be capable of introducing up to 100% outdoor air.
   viii. Shall be equipped with a barometric relief damper capable of relieving up to 100% return air.
   ix. Shall be designed to close damper(s) during loss-of-power situations with spring return built into motor.
   x. Enthalpy sensor shall be provided as standard. Outdoor air sensor set point shall be adjustable and shall range from 40 to 100°F / 4 to 38°C. Additional sensor options shall be available as accessories.

xi. The economizer controller shall also provide control of an accessory power exhaust unit function. Factory set at 70%, with a range of 0% to 100%.
xii. The economizer shall maintain minimum airflow into the building during occupied period and provide design ventilation rate for full occupancy. A remote potentiometer may be used to override the damper set point.
xiii. Dampers shall be completely closed when the unit is in the unoccupied mode.
xiv. Economizer controller shall accept a 2-10Vdc CO_2 sensor input for IAQ/DCV control. In this mode, dampers shall modulate the outdoor-air damper to provide ventilation based on the sensor input.
xv. Economizer controller shall provide indications when in free cooling mode, in the DCV mode, or the exhaust fan contact is closed.
xvi. Economizer wire harness will have provision for smoke detector.

B. Manual Damper
i. Manual damper package shall consist of damper, air inlet screen, and rain hood which can be preset to admit up to 50% outdoor air for year round ventilation.

C. Liquid Propane (LP) Conversion Kit (sold separately)
i. Kit shall contain all the necessary hardware and instructions to convert a standard natural gas unit for use with liquefied propane, up to 2000 ft (610m) elevation.

D. Condenser Coil Hail Guard Assembly:
i. Shall protect against damage from hail.
ii. Shall be louvered style.

D. Unit-Mounted, Non-Fused Disconnect Switch:
i. Switch shall be factory-installed, internally mounted.
ii. National Electric Code (NEC) and UL approved non-fused switch shall provide unit power shutoff.
iii. Shall be accessible from outside the unit.
iv. Shall provide local shutdown and lockout capability.

E. Convenience Outlet:
i. Non-Powered convenience outlet.
ii. Outlet shall be powered from a separate 115-120v power source.
iii. A transformer shall not be included.
iv. Outlet shall be field-installed and internally mounted with easily accessible 115-v female receptacle.
v. Outlet shall include 15 amp GFI receptacle with independent fuse protection.
vi. Outlet shall be accessible from outside the unit.

F. Flue
i. Flue Discharge shall direct unit exhaust horizontally and have the capability of being directed vertically.

G. Propeller Power Exhaust:
i. Power exhaust shall be used in conjunction with an integrated economizer.
ii. Independent modules for vertical or horizontal return configurations shall be available.
iii. Horizontal power exhaust is shall be mounted in return ductwork.
iv. Power exhaust shall be controlled by economizer controller operation. Exhaust fans shall be energized when dampers open past the 0-100% adjustable setpoint on the economizer control.

G. Roof Curbs (Vertical):
i. Formed galvanized steel with wood nailer strip and shall be capable of supporting entire unit weight.
ii. Permits installation and securing of ductwork to curb prior to mounting unit on the curb.

H. Return Air Enthalpy Sensor:
i. The return air enthalpy sensor shall be used in conjunction with an outdoor air enthalpy sensor to provide differential enthalpy control.

I. Indoor Air Quality (CO_2) Sensor:
i. Shall be able to provide demand ventilation indoor air quality (IAQ) control.
ii. The IAQ sensor shall be available in duct mount, wall mount, or wall mount with LED display. The set point shall have adjustment capability.

J. Smoke Detectors:
i. Shall be a Four-Wire Controller and Detector.
ii. Shall be environmental compensated with differential sensing for reliable, stable, and drift-free sensitivity.
iii. Shall use magnet-activated test/reset sensor switches.
iv. Shall have tool-less connection terminal access.

v. Shall have a recessed momentary switch for testing and resetting the detector.
vi. Controller shall include:
    a. One set of normally open alarm initiation contacts for connection to an initiating device circuit on a fire alarm control panel
    b. Two Form-C auxiliary alarm relays for interface with rooftop unit or other equipment.
    c. One Form-C supervision (trouble) relay to control the operation of the Trouble LED on a remote test/reset station.
    d. Capable of direct connection to two individual detector modules.
    e. Can be wired to up to 14 other duct smoke detectors for multiple fan shutdown applications.

K. Barometric Relief:
    i. Shall include damper, seals, hardware, and hoods to relieve excess building pressure.
    ii. Damper shall gravity-close upon shutdown.

L. Time Guard:
    i. Shall prevent compressor short cycling by providing a 5-minute delay (±2 minutes) before restarting a compressor after shutdown for any reason.
    ii. One device shall be required per compressor.

M. Refrigerant Leak Detection System:
    i. Shall be standard and factory-installed in every unit.
    ii. Shall trigger a fault code to the unit controller and initiate mitigation procedures.

engineered for life™

GENERAL TERMS OF LIMITED WARRANTY*

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

Compressor
Commercial Applications .....Five (5) Years
Residential Applications
[3 to 5 ton models only] .....Ten (10) Years

Parts
Commercial Applications.....One (1) Year
Residential Applications (Registration Required)
[3 to 5 ton models only] .....Ten (10) Years

Standard Heat Exchanger
Commercial Applications.....Ten (10) Years
Residential Applications
[3 to 5 ton models only] .....Ten (10) Years

Stainless Steel Heat Exchanger
Commercial Applications .....Twenty (20) Years
Residential Applications (Registration Required)
[3 to 5 ton models only].....Twenty (20) Years

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

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