



engineered for life™

Packaged Gas Electric
RGEC Series



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



9001:2015



LISTED



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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 RGEYC Models and 6 Ton RGEYB Models include a single 2-Stage compressor
- 3-5 Ton RGEYB Models include a single-stage compressor
- MERV 8 & MERV 13 filters are available as a field-installed accessory
- Standard Modbus interface



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:

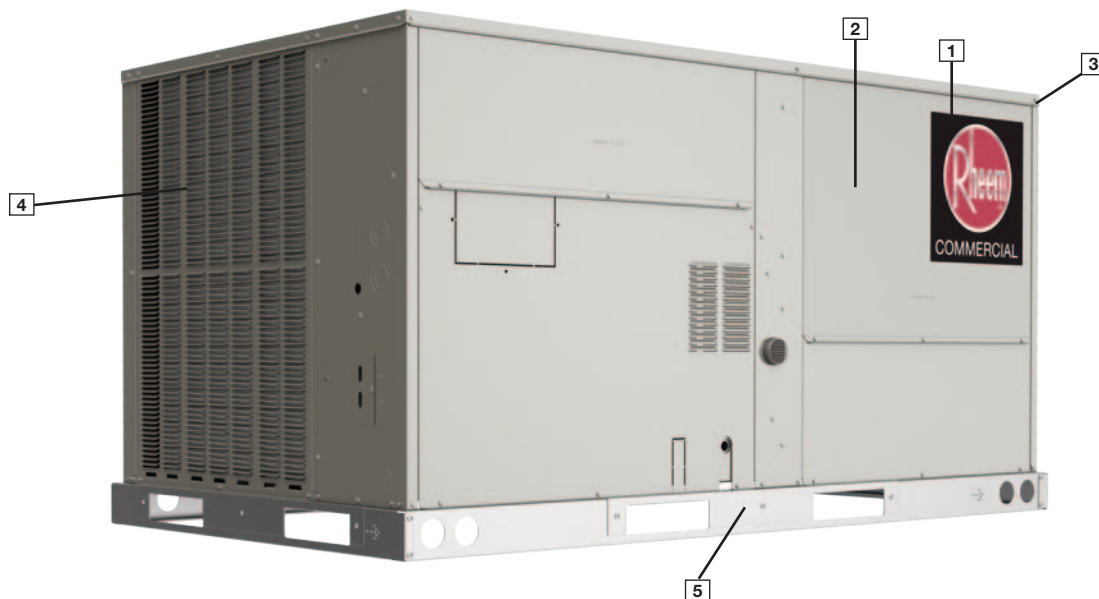
Accessory	Model Number	Factory Installation Available?
Economizers		
DDC Economizer with Single Enthalpy (Downflow) <i>MicroMetl Economizer with Honeywell Controller</i>	RXRD-01MCDBM3	No
DDC Economizer with Single Enthalpy (Horizontal) <i>MicroMetl Economizer with Honeywell Controller</i>	RXRD-01MCHBM3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

¹Does 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 <i>MicroMetl</i>	RXRX-CCF02C	No
Power Exhaust (460V) Vertical <i>MicroMetl</i>	RXRX-CCF02D	No
Power Exhaust (230V) Horizontal <i>MicroMetl</i>	RXRX-CCF03C	No
Power Exhaust (460V) Horizontal <i>MicroMetl</i>	RXRX-CCF03D	No
Power Exhaust (230V) Vertical <i>Ruskin Rooftop Systems</i>	RXRX-RCF02C	No
Power Exhaust (460V) Vertical <i>Ruskin Rooftop Systems</i>	RXRX-RCF02D	No
Power Exhaust (575V) Vertical <i>Ruskin Rooftop Systems</i>	RXRX-RCF02Y	No
Power Exhaust (230V) Horizontal <i>Ruskin Rooftop Systems</i>	RXRX-RCF03C	No
Power Exhaust (460V) Horizontal <i>Ruskin Rooftop Systems</i>	RXRX-RCF03D	No
Power Exhaust (575V) Horizontal <i>Ruskin Rooftop Systems</i>	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

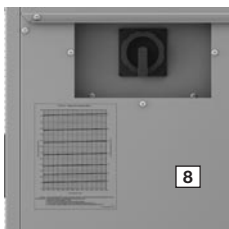
During development, each unit was tested to U.L. 60335-2-40, AHRI 210/240 (3-5 ton) or AHRI 340/360 (6 ton), as well as other Rheem-required reliability tests. Rheem adheres to stringent ISO 9001 quality procedures, and each unit bears the U.L. and AHRI certification labels located on the unit nameplate. 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.

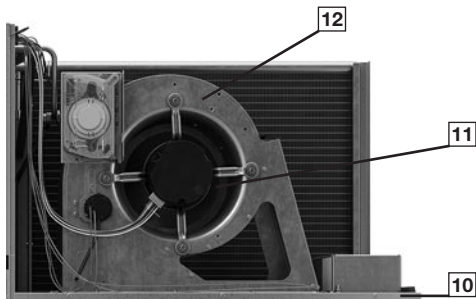


Blower Assembly

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.

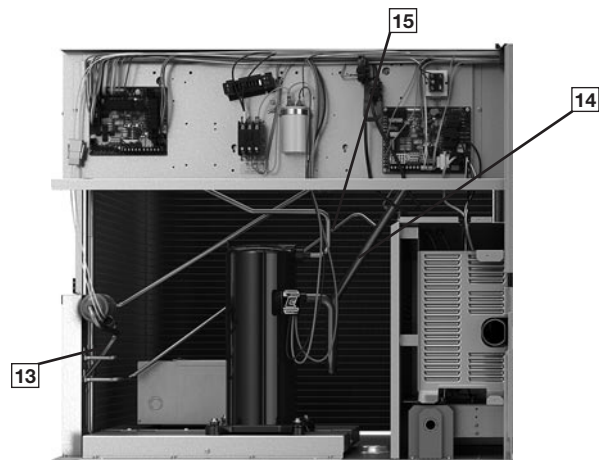
The entire assembly slides out by removing the 3/8" screws from the blower retention bracket.

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.



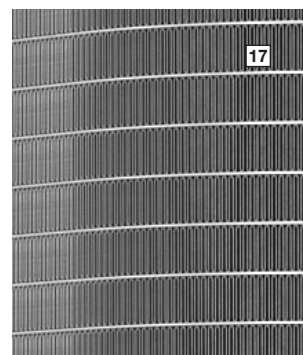
High and Low Pressure Switches & Freeze Stat

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.



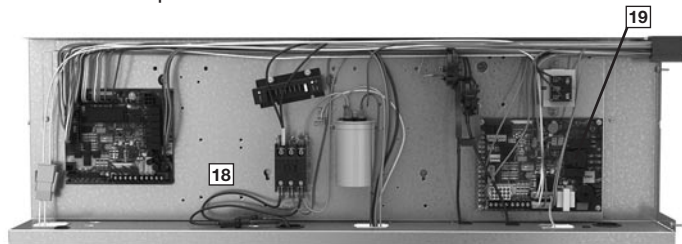
MicroChannel Evaporator & TXV

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.



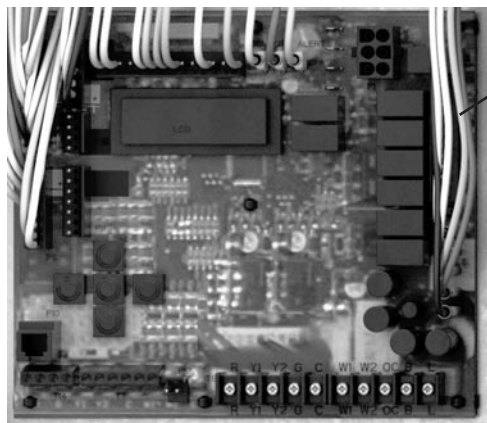
Control Box

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.

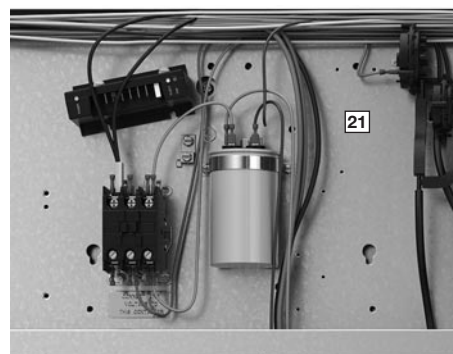


The RGEC Gas Electric with the RTU-C is specifically designed to be applied in four distinct applications:

- 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.

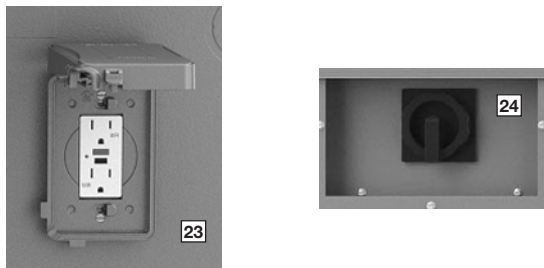
Comfort Alert

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.



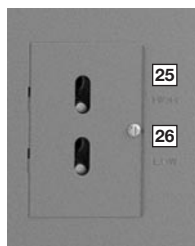
Convenience Outlet, Disconnect, & Circuit Breaker

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

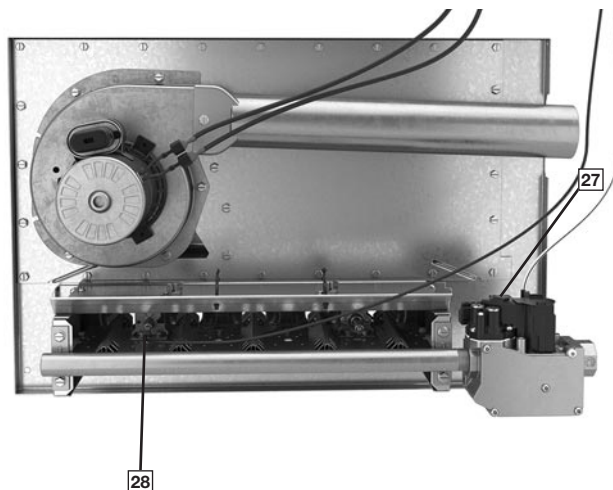
To the right left of the compressor compartment are the externally mounted lockable gauge ports. They are permanently identified by embossed lettering that identifies the compressor circuit, high pressure connection, (25) and low pressure connection (26). Because the gauge ports are mounted externally, 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.



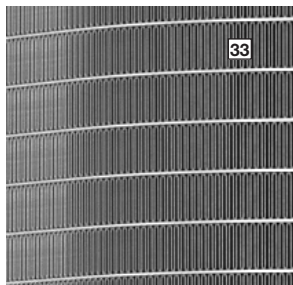
Condenser Fans

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 CO₂ 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 CO₂ 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.

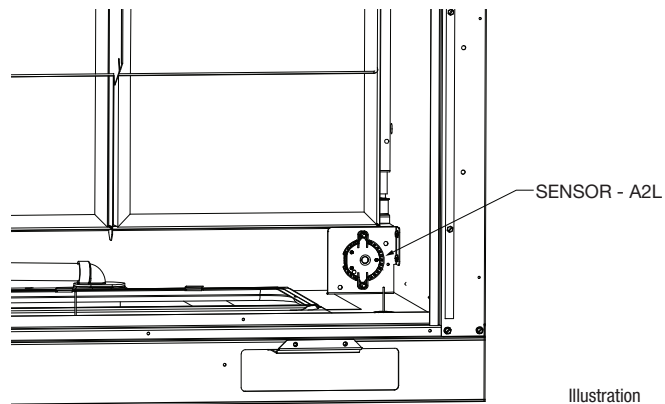


Illustration
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HUMIDIDRY DEHUMIDIFICATION SYSTEM

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.

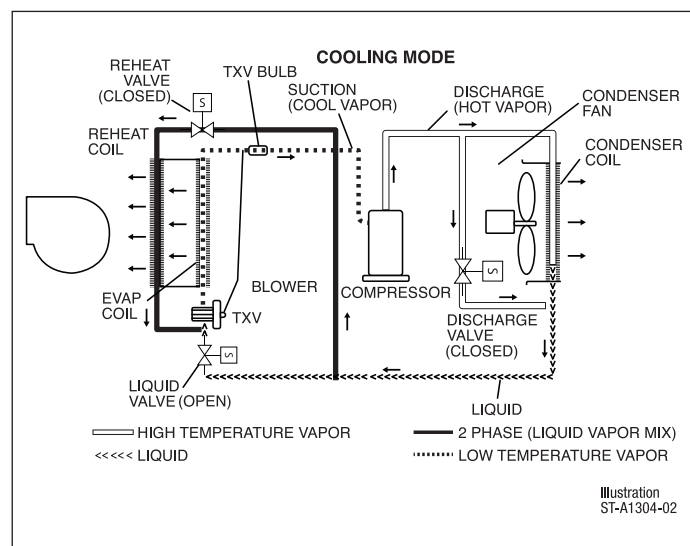


Figure 1 shows the refrigerant path during the normal cooling mode. The liquid refrigerant leaves the TXV with the sudden pressure drop causing the liquid to expand to a vapor and absorbing the heat from the supply air going through the evaporator coil. The refrigerant vapor then travels to the compressor 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.

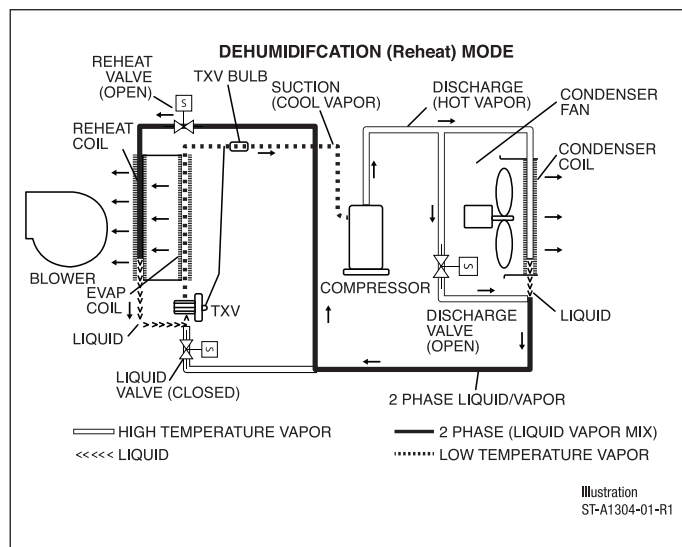


Figure 2 shows the refrigerant path during the reheat mode. When the reheat cycle is energized by the RTU-C, the reheat solenoid valve, upstream of the reheat coil opens. The liquid solenoid valve ahead of the TXV, closes. The discharge solenoid valve, in the compressor discharge line, opens. The liquid 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 outdoors. 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.

<u>R</u>	<u>GE</u>	<u>C</u>	<u>Y</u>	<u>B</u>	<u>036</u>	<u>A</u>	<u>C</u>	<u>T</u>	<u>10</u>	<u>2</u>	<u>A</u>	<u>A</u>	<u>***</u>			
1	23	4	5	6	789	10	11	12	13	14	15	16	17	18	19	20
1—Brand R = Rheem						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						16—Control A = CoreCommand™ (Non-Communicating) B = CoreCommand & Comfort Alert® C = ClearControl™ (DDC) D = ClearControl (DDC) & Comfort Alert				
2, 3—Unit Type GE = Packaged Gas Electric						12—Drive T = Direct Drive Standard Static Constant Torque U = Direct Drive High Static Constant Torque ⁴						17—Minor series A = 1st Design				
4—Cabinet Type C = Small Commercial						13, 14—Heat Capacity 07 = 75,000 Btu/h 10 = 100,000 Btu/h 12 = 125,000 Btu/h						18, 19, 20—Option Code See next page				
5—Refrigerant Y = R-454B						15—Heat Configuration 2 = 2 Stage B = 2 Stage Stainless										
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																

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.

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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								

¹RH 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

Base model Option code = Model number with option code

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:

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

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:

$$Cap_{\text{sensible}} + [1.10 \times CFM \times (1 - DR) \times (dbE - 80)]$$

$$= 30,924 + [1.10 \times 1,600 \times (1 - 0.2) \times (78 - 80)]$$

$$\text{Sensible Cooling Capacity} = 30,924 \text{ Btu/h [9.1 kW]}$$

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%

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

$$= [(440/0.85) - 440] \times 3.41 = 77.6 \text{ Btu/h [0.02 kW]}$$

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

$$= 46,170 - 77 = 46,093 \text{ Btu/h [13.5 kW]}$$

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

$$= 30,924 - 77 = 30,847 \text{ Btu/h [9.0 kW]}$$

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					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Rows/FPI [FPcm]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Rows/FPI [FPcm]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]
	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					
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
CFM [L/s]	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
No. Motors/HP	4,250 [2,006]	4,250 [2,006]	4,250 [2,006]	4,250 [2,006]	4,250 [2,006]
Motor RPM	1 at 1/5	1 at 1/5	1 at 1/5	1 at 1/5	1 at 1/5
	850	850	850	850	850
Indoor Fan - Type					
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
No. Speeds	Direct	Direct	Direct	Direct	Direct
No. Motors	Multiple	Multiple	Multiple	Multiple	Multiple
Motor HP	1	1	1	1	1
Motor RPM	3/4	1 1/2	1	3/4	1 1/2
Motor Frame Size	1050	1050	1050	1050	1050
	48	48	48	48	48
Filter - Type					
Furnished	Disposable	Disposable	Disposable	Disposable	Disposable
(NO.) Size Recommended in. [mm x mm x mm]	Yes	Yes	Yes	Yes	Yes
	(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					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Rows/FPI [FPcm]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Rows/FPI [FPcm]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]
Refrigerant Control	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Drain Connection No./Size in. [mm]	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
	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					
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
CFM [L/s]	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
No. Motors/HP	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
Motor RPM	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
	1075	1075	1075	1075	1075
Indoor Fan - Type					
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
No. Speeds	Direct	Direct	Direct	Direct	Direct
No. Motors	Multiple	Multiple	Multiple	Multiple	Multiple
Motor HP	1	1	1	1	1
Motor RPM	3/4	1 1/2	1	3/4	1 1/2
Motor Frame Size	1050	1050	1050	1050	1050
	48	48	48	48	48
Filter - Type					
Furnished	Disposable	Disposable	Disposable	Disposable	Disposable
(NO.) Size Recommended in. [mm x mm x mm]	Yes	Yes	Yes	Yes	Yes
	(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					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	0.63 [16]	0.63 [16]	0.63 [16]	0.63 [16]	0.63 [16]
Rows/FPI [FPcm]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.66 [1.55]
	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Rows/FPI [FPcm]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	7.47 [0.69]
Refrigerant Control	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Drain Connection No./Size in. [mm]	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
	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					
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
CFM [L/s]	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
No. Motors/HP	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
Motor RPM	1 at 1/2	1 at 1/2	1 at 1/2	1 at 1/2	1 at 1/2 HP
	1075	1075	1075	1075	1075
Indoor Fan - Type					
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
No. Speeds	Direct	Direct	Direct	Direct	Direct
No. Motors	Multiple	Multiple	Multiple	Multiple	Multiple
Motor HP	1	1	1	1	1
Motor RPM	1 1/2	1 1/2	1 1/5	1	1 1/2
Motor Frame Size	1050	1050	1050	1050	1050
	48	48	48	48	48
Filter - Type					
Furnished	Disposable	Disposable	Disposable	Disposable	Disposable
(NO.) Size Recommended in. [mm x mm x mm]	Yes	Yes	Yes	Yes	Yes
	(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					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Rows/FPI [FPcm]	16.66 [1.55]	16.66 [1.55]	16.66 [1.55]	16.66 [1.55]	16.66 [1.55]
	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]	1/23 [9]
Indoor Coil - Fin Type					
Tube Type	Louvered	Louvered	Louvered	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Face Area sq. ft. [sq. m]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Rows/FPI [FPcm]	7.47 [0.69]	7.47 [0.69]	7.47 [0.69]	7.47 [0.69]	7.47 [0.69]
Refrigerant Control	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Drain Connection No./Size in. [mm]	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
	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					
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
CFM [L/s]	Direct/2	Direct/2	Direct/2	Direct/2	Direct/2
No. Motors/HP	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]	5,900 [2,784]
Motor RPM	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
	900/800	900/800	900/800	900/800	900/800
Indoor Fan - Type					
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type	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]
No. Speeds	Direct	Direct	Direct	Direct	Direct
No. Motors	Multiple	Multiple	Multiple	Multiple	Multiple
Motor HP	1	1	1	1	1
Motor RPM	1	1	1.5	1	1.2
Motor Frame Size	1050	1050	1400	1050	1300
	48	48	48	48	48
Filter - Type					
Furnished	Disposable	Disposable	Disposable	Disposable	Disposable
(NO.) Size Recommended in. [mm x mm x mm]	Yes	Yes	Yes	Yes	Yes
	(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