Vantix™ Line
iR Residential Packaged Dual Fuel Units

EcoNet®

RDFXYC Series

Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
Cooling Efficiency:15.2 SEER2
Heating Efficiency: 7.2 HSPF2
Refrigerant Type: R-454B

ISO 9001:2015

ENERGY STAR [1]

c UL us LISTED

ENERGUIDE Seasonal Energy Efficiency Ratio (SEER) THIS MODEL 15.2 13.0 — Uses least energy → 21.0

AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240

[1]*Proper sizing and installation of equipment is critical to achieve optimal performance.*

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FEATURES AND BENEFITS

- **Two-Stage Scroll Compressors on all Models:** Modulates between two capacity settings — 67% and 100% — providing more precise temperature control, lower humidity and greater efficiency in comparison to single stage compressors. It uses 70% fewer moving parts which also increases efficiency and reliability
- **Two-Stage Northern Heat Pump Configuration (Two-Stage HP Heat/Single-Stage Cool) 2 Ton Only:** Provides 40% higher heating capacity than a standard heat pump. Leaving air temperature is an average of 5 degrees warmer at all heating conditions, than standard single or two stage heat pumps
- **Diagnostics[1]:** The Sure Comfort Contractor App and built-in EcoNet® & Bluetooth®[2] technology, makes monitoring, troubleshooting and repairing the product easier than ever before
- **Installation Commissioning via Bluetooth® Technology:** Seamless final install step without DIP switch configuration using the Sure Comfort Contractor App.
- **On-demand Dehumidification:** Available through EcoNet® thermostat
- **MicroChannel Evaporator and Condenser Coil:** Delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. All aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. It is easier to clean and has a more robust surface
- **Constant Volume Motor:** Truly variable speed technology allows for ultimate humidity control, quieter sound levels and year-round energy savings
- **Dedicated Heating Speeds:** Maintain consistent performance via Constant CFM motor to keep temp rise at a comfortable level
- **Thermal Expansion Valves:** Standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions
- **High and Low Pressure Control:** Standard on all models for refrigerant component protection and reliability
- **Filter Drier:** Standard on all models
- **100% Factory Run Tested**
- **Stainless Steel Heat Exchanger:** Available as factory installed option for better corrosion resistance
- **Ignition System:** Proven Direct Spark Ignition System (DSI) for reliability and longevity
- **Refrigerant Detection System™:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation – if excess refrigerant is detected
- **Rugged Base Rail:** For improved installation and handling.
- **Easily Accessible Control Box, Furnace Compartment and Slide-Out Blower Section:** Allows for installability and serviceability
- **Side and Down Discharge Options Available:** All models are shipped ready for horizontal applications
- **Double Sloped Evaporator Coil Drain Pan:** Allows for complete water removal from the unit—contributing to improved indoor air quality
- **Louvered Condenser Compartment:** Protects the coil against yard hazards and/or weather extremes
- **Supply and Return Air Openings:** Feature a one-inch-tall flange to prevent water migration into the ductwork
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%[3] lower GWP than previous-generation refrigerants with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level if energy efficient, dependable comfort

[1]Bluetooth functionality applies to the heating section only. [2]The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Rheem® is under license. Other trademarks and trade names are those of their respective owners. [3]When comparing the GWP of R-454B to R-410A refrigerant.

Dual Fuel

R	DF	X	Y	C	024	A	J	V	06	2	C	A
Brand	**Product Category**	**Platform**	**Refrigerant**	**Tier**	**Capacity BTU/HR**	**Major Series**	**Voltage**	**Drive**	**Gas Heat Input**	**Gas Heat Configuration**	**Control**	**Minor Series**
R - Sure Comfort	DF - Dual Fuel	X - Resipack Convertible	Y - R-454B	C - Mid Tier (15.2 SEER2)	024 - 24,000 [7.03 kW] 036 - 36,000 [10.55 kW] 048 - 48,000 [14.07 kW] 060 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208 - 230/60 C - 3ph, 208 - 230/60	V - Constant Volume	06 - 60K BTU/H 08 - 80K BTU/H 10 - 100K BTU/H	2 - Two Stage	C - Communicating	A - 1st Design

[ ] Designates Metric Conversions

Available Models
RDFXYC024AJV062CA
RDFXYC024ACV062CA
RDFXYC036AJV062CA
RDFXYC036AJV082CA
RDFXYC036ACV062CA
RDFXYC036ACV082CA
RDFXYC048AJV082CA
RDFXYC048AJV102CA
RDFXYC048ACV082CA
RDFXYC048ACV102CA
RDFXYC060AJV082CA
RDFXYC060AJV102CA
RDFXYC060ACV082CA
RDFXYC060ACV102CA

NOTE: Stainless steel heat exchanger option is available on all models.

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, nothing follows the model number.

After a basic rooftop model is selected, choose a *three-character* option code from the FACTORY-INSTALLED OPTION SELECTION TABLE.

FACTORY INSTALLED OPTION CODES

Option Code	Stainless Steel Heat Exchanger
AJA	x

"x" indicates factory installed option.

Example: No Option

RDFXYC Series036AJV082CA

Example: Option with Stainless Steel Heat Exchanger

RDFXYC Series036AJV082CAAJA

NOTES: Factory installed economizer is not available.

UNIT DIMENSIONS
RDFXYC Series

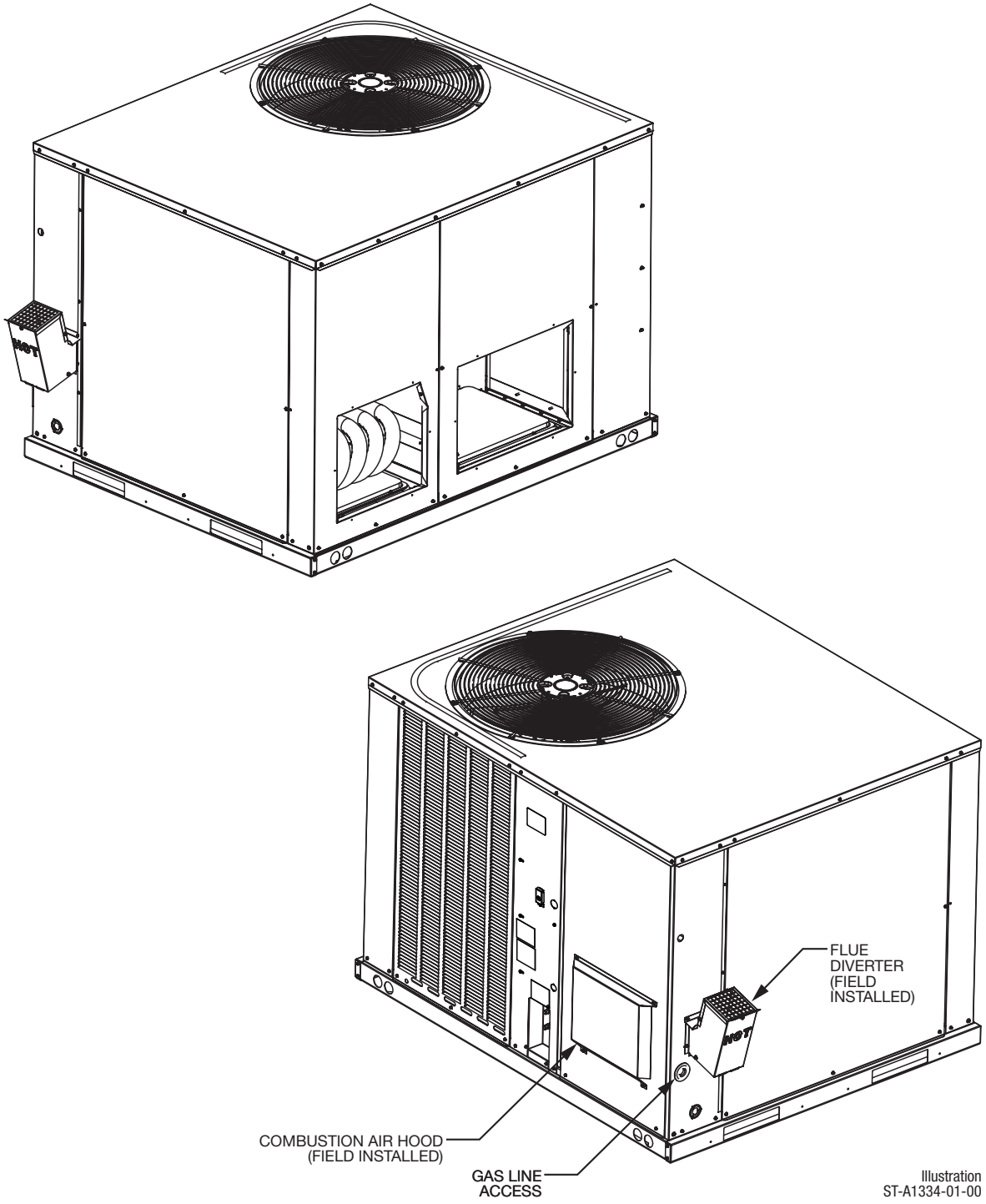


Illustration
ST-A1334-01-00

[ ] Designates Metric Conversions

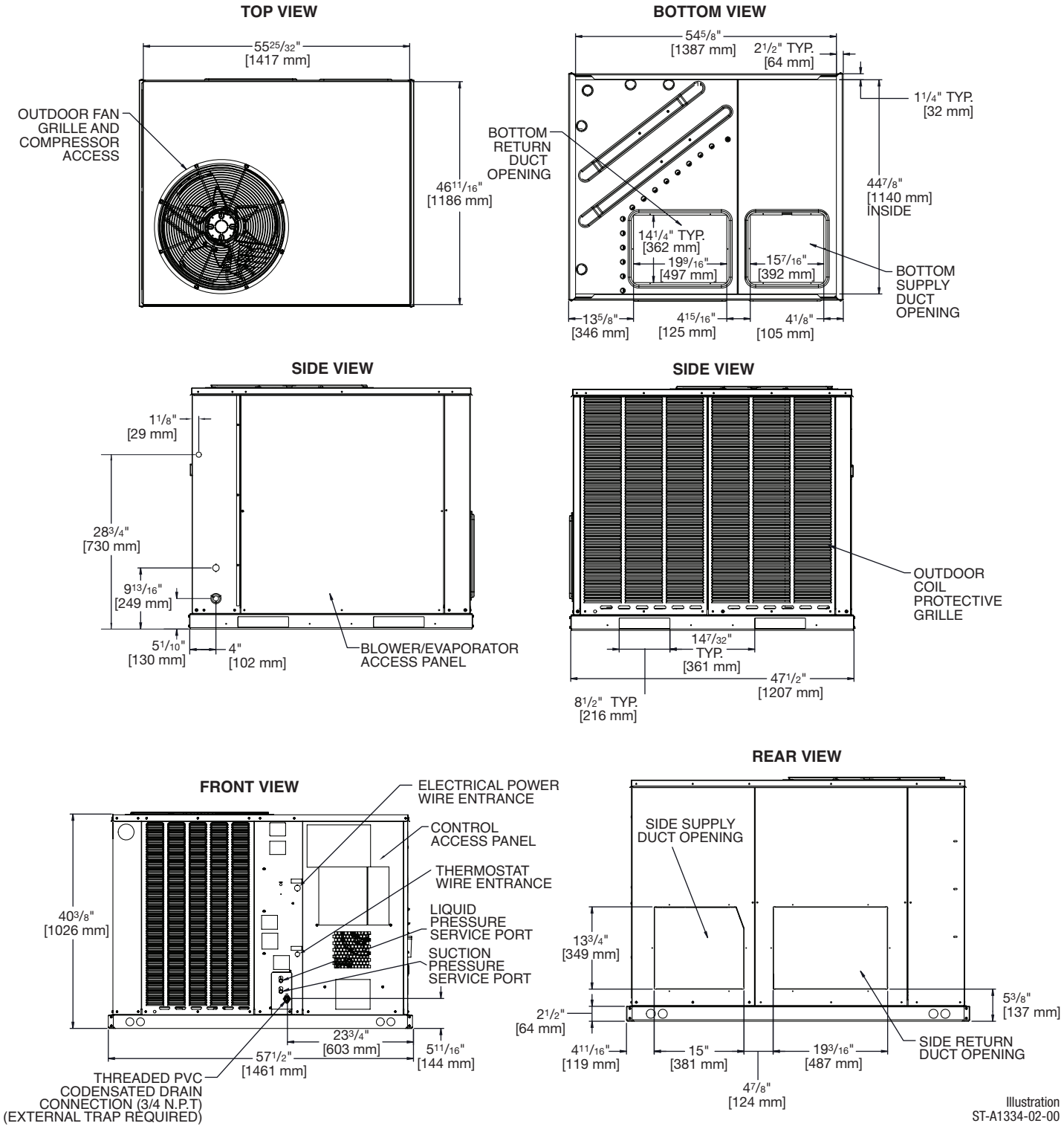
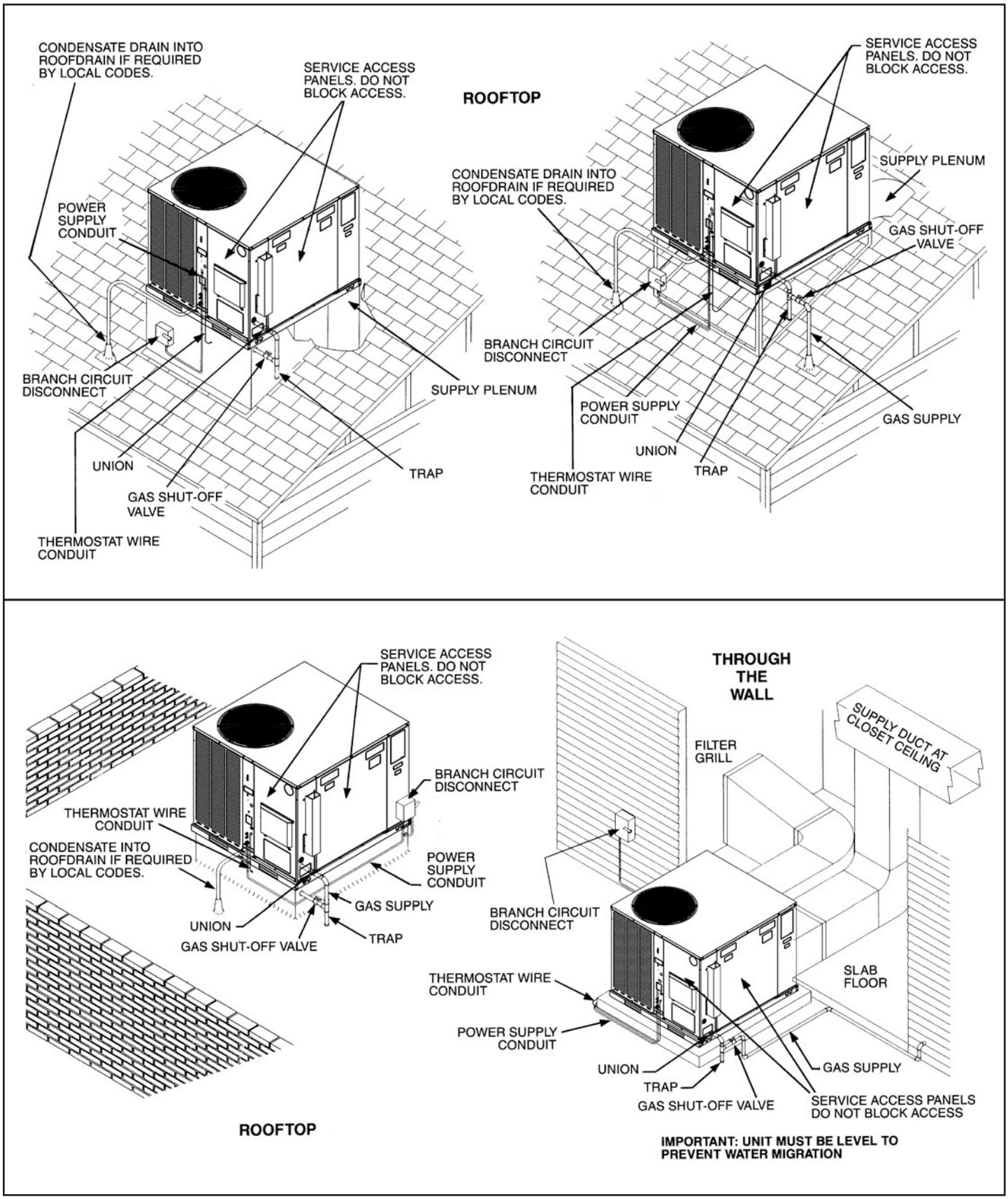


Illustration
ST-A1334-02-00

Models RDFXYC	Height "A"
024 036 048 060	41"

[ ] Designates Metric Conversions



[ ] Designates Metric Conversions

NOMINAL SIZES 2.5 TONS [7.0-17.6 kW]

Model RDFXYC Series	024ACV062	024AJV062	036ACV062	036ACV082
Cooling Performance[1]				CONTINUED →
Nominal Cooling Capacity BTU/h [kW]	24,000 [7.03]	24,000 [7.03]	36,000 [10.55]	36,000 [10.55]
EER2/SEER2[2]	11.5/15.2	11.5/15.2	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	800/840 [378/396]	800/840 [378/396]	1200/1230 [566/580]	1200/1230 [566/580]
AHRI Net Cooling Capacity BTU/h [kW]	22,800 [6.68]	22,800 [6.68]	34,200 [10.02]	34,200 [10.02]
Net Sensible Capacity BTU/h [kW]	17,100 [5.01]	17,100 [5.01]	25,600 [7.5]	25,600 [7.5]
Net Latent Capacity BTU/h [kW]	5,700 [1.67]	5,700 [1.67]	8,600 [2.52]	8,600 [2.52]
Net System Power [kW]	1.98	1.98	2.97	2.97
Heating Performance (Heat Pumps)				
High Temp. BTU/h [kW] Rating	32,000 [9.38]	32,000 [9.38]	34,200 [10.02]	34,200 [10.02]
High System Power kW/COP	2.68 / 3.5	2.68 / 3.5	2.64 / 3.8	2.64 / 3.8
Low Temp. BTU/h [kW] Rating	18,600 [5.45]	18,600 [5.45]	19,400 [5.69]	19,400 [5.69]
High System Power kW/COP	2.37/2.3	2.37/2.3	2.47/2.3	2.47/2.3
HSPF2 (BTU/Watts-h)	7.2	7.2	7.2	7.2
Heating Performance (Gas)[3]				
Heating Input BTU/h [kW] (1st Stage/2nd Stage)	42,000/60,000 [12.31/17.58]	42,000/60,000 [12.31/17.58]	42,000/60,000 [12.31/17.58]	56,000/80,000 [16.41/23.44]
Heating Output BTU/h [kW] (1st Stage/2nd Stage)	34,020/48,600 [9.97/14.24]	34,020/48,600 [9.97/14.24]	34,020/48,600 [9.97/14.24]	45,360/64,800 [13.29/18.99]
Temperature Rise Range °F [°C] (1st Stage/2nd Stage)	20-50 [11.1-27.8] 30-60 [16.7-33.3]	20-50 [11.1-27.8] 30-60 [16.7-33.3]	20-50 [11.1-27.8] 30-60 [16.7-33.3]	25-55 [13.9-30.6] 35-65 [19.4-36.1]
AFUE %	NA	81	NA	NA
Steady State Efficiency (%)	81	NA	81	81
No. Burners	3	3	3	4
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]
Compressor				
No./Stg/Type	1/2/scroll	1/2/scroll	1/2/scroll	1/2/scroll
Outdoor Sound Rating (dB)[4]	78	78	78	78
Outdoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	0.63 [16.00]	0.63 [16.00]	0.63 [16.00]	0.63 [16.00]
Face Area sq. ft. [sq. m]	16.48 [1.53]	16.48 [1.53]	16.48 [1.53]	16.48 [1.53]
Rows / FPI [FPcm]	1/16 [6]	1/16 [6]	1/16 [6]	1/16 [6]
Indoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.00 [25.40]	1.00 [25.40]	1.00 [25.40]	1.00 [25.40]
Face Area sq. ft. [sq. m]	7.6 [0.71	7.6 [0.71	7.6 [0.71	7.6 [0.71
Rows / FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TXV	TXV	TXV	TXV
Drain Connection No./Size in. [mm]	1/0.750 [19.05]	1/0.750 [19.05]	1 / 0.750 [19.05]	1 / 0.750 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]
Drive Type/No. Speeds	Direct/	Direct/	Direct/	Direct/
CFM [L/s]	4300 [2029]	4300 [2029]	4300 [2029]	4300 [2029]
No. Motors/HP	1 at 1/3	1 at 1/3	1 at 1/3	1 at 1/3
Motor RPM	825	825	825	825
Indoor Fan - Type	Constant CFM	Constant CFM	Constant CFM	Constant CFM
No. Used/Diameter in. [mm]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Variable Speed	Variable Speed	Variable Speed	Variable Speed
No. Motors	1	1	1	1
Motor HP	1	1	1	1
Motor RPM	1300	1300	1300	1300
Motor Frame Size				
Filter - Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	80.0 [2268.0]	80.0 [2268.0]	80.0 [2268.0]	80.0 [2268.0]
Weights				
Net Weight lbs. [kg]	500 [227]	500 [227]	500 [227]	505 [229]
Ship Weight lbs. [kg]	510 [231]	510 [231]	510 [231]	515 [234]

See Page 13 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2.5 TONS [7.0-17.6 kW]

Model RDFXYC Series	036AJV062	036AJV082	048ACV082	048ACV102
Cooling Performance[1]				CONTINUED →
Nominal Cooling Capacity BTU/h [kW]	36,000 [10.55]	36,000 [10.55]	48,000 [14.07]	48,000 [14.07]
EER2/SEER2[2]	11.5/15.2	11.5/15.2	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	1200/1230 [566/580]	1200/1230 [566/580]	1600/1430 [755/675]	1600/1430 [755/675]
AHRI Net Cooling Capacity BTU/h [kW]	34,200 [10.02]	34,200 [10.02]	45,500 [13.34]	45,500 [13.34]
Net Sensible Capacity BTU/h [kW]	25,600 [7.5]	25,600 [7.5]	34,200 [10.02]	34,200 [10.02]
Net Latent Capacity BTU/h [kW]	8,600 [2.52]	8,600 [2.52]	11,300 [3.31]	11,300 [3.31]
Net System Power [kW]	2.97	2.97	3.96	3.96
Heating Performance (Heat Pumps)				
High Temp. BTU/h [kW] Rating	34,200 [10.02]	34,200 [10.02]	45,500 [13.34]	45,500 [13.34]
High System Power kW/COP	2.64 / 3.8	2.64 / 3.8	3.65 / 3.65	3.65 / 3.65
Low Temp. BTU/h [kW] Rating	19,400 [5.69]	19,400 [5.69]	24,600 [7.21]	24,600 [7.21]
High System Power kW/COP	2.47/2.3	2.47/2.3	3.11/2.32	3.11/2.32
HSPF2 (BTU/Watts-h)	7.2	7.2	7.2	7.2
Heating Performance (Gas)[3]				
Heating Input BTU/h [kW] (1st Stage/2nd Stage)	42,000/60,000 [12.31/17.58]	56,000/80,000 [16.41/23.44]	56,000/80,000 [16.41/23.44]	70,000/100,000 [20.51/29.30]
Heating Output BTU/h [kW] (1st Stage/2nd Stage)	34,020/48,600 [9.97/14.24]	45,360/64,800 [13.29/18.99]	45,360/64,800 [13.29/18.99]	56,700/81,000 [16.62/23.74]
Temperature Rise Range °F [°C] (1st Stage/2nd Stage)	20-50 [11.1-27.8] 30-60 [16.7-33.3]	25-55 [13.9-30.6] 35-65 [19.4-36.1]	25-55 [13.9-30.6] 35-65 [19.4-36.1]	25-55 [13.9-30.6] 35-65 [19.4-36.1]
AFUE %	81	81	NA	NA
Steady State Efficiency (%)	NA	NA	81	81
No. Burners	3	4	4	5
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]
Compressor				
No./Stg/Type	1/2/scroll	1/2/scroll	1/2/scroll	1/2/scroll
Outdoor Sound Rating (dB)[4]	78	78	80	80
Outdoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	0.63 [16.00]	0.63 [16.00]	1.00 [25.40]	1.00 [25.40]
Face Area sq. ft. [sq. m]	16.48 [1.53]	16.48 [1.53]	16.29 [1.51]	16.29 [1.51]
Rows / FPI [FPcm]	1/16 [6]	1/16 [6]	1/16 [6]	1/16 [6]
Indoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.00 [25.40]	1.00 [25.40]	1.00 [25.40]	1.00 [25.40]
Face Area sq. ft. [sq. m]	7.6 [0.71	7.6 [0.71	7.6 [0.71	7.6 [0.71
Rows / FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TXV	TXV	TXV	TXV
Drain Connection No./Size in. [mm]	1/0.750 [19.05]	1/0.750 [19.05]	1/0.750 [19.05]	1/0.750 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]
Drive Type/No. Speeds	Direct/	Direct/	Direct/	Direct/
CFM [L/s]	4300 [2029]	4300 [2029]	4100 [1935]	4100 [1935]
No. Motors/HP	1 at 1/3	1 at 1/3	1 at 1/3	1 at 1/3
Motor RPM	825	825	825	825
Indoor Fan - Type	Constant CFM	Constant CFM	Constant CFM	Constant CFM
No. Used/Diameter in. [mm]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Variable Speed	Variable Speed	Variable Speed	Variable Speed
No. Motors	1	1	1	1
Motor HP	1	1	1	1
Motor RPM	1300	1300	1300	1300
Motor Frame Size				
Filter - Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	80.0 [2268.0]	80.0 [2268.0]	112.0 [3175.1]	112.0 [3175.1]
Weights				
Net Weight lbs. [kg]	500 [227]	505 [229]	505 [229]	510 [231]
Ship Weight lbs. [kg]	510 [231]	515 [234]	515 [234]	520 [236]

See Page 13 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2.5 TONS [7.0-17.6 kW]

Model RDFXYC Series	048AJV082	048AJV102	060ACV082
Cooling Performance[1]			CONTINUED →
Nominal Cooling Capacity BTU/h [kW]	48,000 [14.07]	48,000 [14.07]	60,000 [17.58]
EER2/SEER2[2]	11.5/15.2	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	1600/1430 [755/675]	1600/1430 [755/675]	2000/1820 [944/859]
AHRI Net Cooling Capacity BTU/h [kW]	45,500 [13.34]	45,500 [13.34]	57,000 [16.71]
Net Sensible Capacity BTU/h [kW]	34,200 [10.02]	34,200 [10.02]	43,000 [12.6]
Net Latent Capacity BTU/h [kW]	11,300 [3.31]	11,300 [3.31]	14,000 [4.1]
Net System Power [kW]	3.96	3.96	4.96
Heating Performance (Heat Pumps)			
High Temp. BTU/h [kW] Rating	45,500 [13.34]	45,500 [13.34]	55,500 [16.27]
High System Power kW/COP	3.65/3.65	3.65/3.65	4.46/3.65
Low Temp. BTU/h [kW] Rating	24,600 [7.21]	24,600 [7.21]	30,200 [8.85]
High System Power kW/COP	3.11/2.32	3.11/2.32	3.93/2.25
HSPF2 (BTU/Watts-h)	7.2	7.2	7.2
Heating Performance (Gas)[3]			
Heating Input BTU/h [kW] (1st Stage/2nd Stage)	56,000/80,000 [16.41/23.44]	70,000/100,000 [20.51/29.30]	56,000/80,000 [16.41/23.44]
Heating Output BTU/h [kW] (1st Stage/2nd Stage)	45,360/64,800 [13.29/18.99]	56,700/81,000 [16.62/23.74]	45,360/64,800 [13.29/18.99]
Temperature Rise Range °F [°C] (1st Stage/2nd Stage)	25-55 [13.9-30.6] 35-65 [19.4-36.1]	25-55 [13.9-30.6] 35-65 [19.4-36.1]	25-55 [13.9-30.6] 35-65 [19.4-36.1]
AFUE %	81	81	NA
Steady State Efficiency (%)	NA	NA	81
No. Burners	4	5	4
No. Stages	2	2	2
Gas Connection Pipe Size in. [mm]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]
Compressor			
No./Stg/Type	1/2/scroll	1/2/scroll	1/2/scroll
Outdoor Sound Rating (dB)[4]	80	80	81
Outdoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.00 [25.40]	1.00 [25.40]	1.26 [32.00]
Face Area sq. ft. [sq. m]	16.29 [1.51]	16.29 [1.51]	16.19 [1.50]
Rows / FPI [FPcm]	1/16 [6]	1/16 [6]	1/16 [6]
Indoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.00 [25.40]	1.00 [25.40]	1.26 [32.00]
Face Area sq. ft. [sq. m]	7.6 [0.71	7.6 [0.71	7.6 [0.71
Rows / FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TXV	TXV	TXV
Drain Connection No./Size in. [mm]	1/0.750 [19.05]	1/0.750 [19.05]	1/0.750 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]
Drive Type/No. Speeds	Direct/	Direct/	Direct/
CFM [L/s]	4100 [1935]	4100 [1935]	4300 [2029]
No. Motors/HP	1 at 1/3	1 at 1/3	1 at 1/2
Motor RPM	825	825	740/935
Indoor Fan - Type	Constant CFM	Constant CFM	Constant CFM
No. Used/Diameter in. [mm]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type	Direct	Direct	Direct
No. Speeds	Variable Speed	Variable Speed	Variable Speed
No. Motors	1	1	1
Motor HP	1	1	1
Motor RPM	1300	1300	1300
Motor Frame Size			
Filter - Type	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	112.0 [3175.1]	112.0 [3175.1]	139.0 [3940.6]
Weights			
Net Weight lbs. [kg]	505 [229]	510 [231]	510 [231]
Ship Weight lbs. [kg]	515 [234]	520 [236]	520 [236]

See Page 13 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2.5 TONS [7.0-17.6 kW]

Model RDFXYC Series	060ACV102	060AJV082	060AJV102
Cooling Performance[1]			
Nominal Cooling Capacity BTU/h [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER2/SEER2[2]	11.5/15.2	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	2000/1820 [944/859]	2000/1820 [944/859]	2000/1820 [944/859]
AHRI Net Cooling Capacity BTU/h [kW]	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]
Net Latent Capacity BTU/h [kW]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]
Net System Power [kW]	4.96	4.96	4.96
Heating Performance (Heat Pumps)			
High Temp. BTU/h [kW] Rating	55,500 [16.27]	55,500 [16.27]	55,500 [16.27]
High System Power kW/COP	4.46/3.65	4.46/3.65	4.46/3.65
Low Temp. BTU/h [kW] Rating	30,200 [8.85]	30,200 [8.85]	30,200 [8.85]
High System Power kW/COP	3.93/2.25	3.93/2.25	3.93/2.25
HSPF2 (BTU/Watts-h)	7.2	7.2	7.2
Heating Performance (Gas)[3]			
Heating Input BTU/h [kW] (1st Stage/2nd Stage)	70,000/100,000 [20.51/29.30]	56,000/80,000 [16.41/23.44]	70,000/100,000 [20.51/29.30]
Heating Output BTU/h [kW] (1st Stage/2nd Stage)	56,700/81,000 [16.62/23.74]	45,360/64,800 [13.29/18.99]	56,700/81,000 [16.62/23.74]
Temperature Rise Range °F [°C] (1st Stage/2nd Stage)	25-55 [13.9-30.6] 35-65 [19.4-36.1]	25-55 [13.9-30.6] 35-65 [19.4-36.1]	25-55 [13.9-30.6] 35-65 [19.4-36.1]
AFUE %	NA	81	81
Steady State Efficiency (%)	81	NA	NA
No. Burners	5	4	5
No. Stages	2	2	2
Gas Connection Pipe Size in. [mm]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]
Compressor			
No./Stg/Type	1/2/scroll	1/2/scroll	1/2/scroll
Outdoor Sound Rating (dB)[4]	81	81	81
Outdoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.26 [32.00]	1.26 [32.00]	1.26 [32.00]
Face Area sq. ft. [sq. m]	16.19 [1.50]	16.19 [1.50]	16.19 [1.50]
Rows / FPI [FPcm]	1/16 [6]	1/16 [6]	1/16 [6]
Indoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	1.26 [32.00]	1.26 [32.00]	1.26 [32.00]
Face Area sq. ft. [sq. m]	7.6 [0.71	7.6 [0.71	7.6 [0.71
Rows / FPI [FPcm]	1/20 [8]	1/20 [8]	1/20 [8]
Refrigerant Control	TXV	TXV	TXV
Drain Connection No./Size in. [mm]	1/0.750 [19.05]	1/0.750 [19.05]	1/0.750 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24.0 [609.6]	1/24.0 [609.6]	1/24.0 [609.6]
Drive Type/No. Speeds	Direct/	Direct/	Direct/
CFM [L/s]	4300 [2029]	4300 [2029]	4300 [2029]
No. Motors/HP	1 at 1/2	1 at 1/2	1 at 1/2
Motor RPM	740/935	740/935	740/935
Indoor Fan - Type	Constant CFM	Constant CFM	Constant CFM
No. Used/Diameter in. [mm]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type	Direct	Direct	Direct
No. Speeds	Variable Speed	Variable Speed	Variable Speed
No. Motors	1	1	1
Motor HP	1	1	1
Motor RPM	1300	1300	1300
Motor Frame Size			
Filter - Type	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]	(2) 1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	139.0 [3940.6]	139.0 [3940.6]	139.0 [3940.6]
Weights			
Net Weight lbs. [kg]	515 [234]	510 [231]	515 [234]
Ship Weight lbs. [kg]	525 [238]	520 [236]	525 [238]

See Page 13 for Notes.

[ ] Designates Metric Conversions

NOTES:

1. 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 or 360.
2. EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.
3. Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standard Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
4. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

COOLING PERFORMANCE DATA—RDFXYC024

ENTERING INDOOR AIR @ 80°F [26.7°C] dbe①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			900 [425]	850 [401]	700 [330]	900 [425]	850 [401]	700 [330]	900 [425]	850 [401]	700 [330]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	30.6 [9.0]	30.3 [8.9]	29.3 [8.6]	29.7 [8.7]	29.4 [8.6]	28.4 [8.3]	28.8 [8.4]	28.5 [8.4]	27.5 [8.1]	
		Sens kBtu/h [kW]	19.9 [5.8]	19.4 [5.7]	17.8 [5.2]	21.9 [6.4]	21.3 [6.2]	19.6 [5.7]	23.9 [7.0]	23.3 [6.8]	21.4 [6.3]	
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	80 [26.7]	Total kBtu/h [kW]	29.9 [8.8]	29.6 [8.7]	28.6 [8.4]	29.0 [8.5]	28.7 [8.4]	27.8 [8.1]	28.1 [8.2]	27.8 [8.1]	26.9 [7.9]	
		Sens kBtu/h [kW]	19.6 [5.7]	19.1 [5.6]	17.5 [5.1]	21.6 [6.3]	21.0 [6.2]	19.3 [5.7]	23.6 [6.9]	23.0 [6.7]	21.1 [6.2]	
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	85 [29.4]	Total kBtu/h [kW]	29.1 [8.5]	28.8 [8.4]	27.9 [8.2]	28.2 [8.3]	27.9 [8.2]	27.0 [7.9]	27.3 [8.0]	27.0 [7.9]	26.1 [7.6]	
		Sens kBtu/h [kW]	19.2 [5.6]	18.7 [5.5]	17.2 [5.0]	21.2 [6.2]	20.7 [6.1]	19.0 [5.6]	23.2 [6.8]	22.6 [6.6]	20.7 [6.1]	
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	90 [32.2]	Total kBtu/h [kW]	28.2 [8.3]	27.9 [8.2]	27.0 [7.9]	27.3 [8.0]	27.0 [7.9]	26.1 [7.6]	26.4 [7.7]	26.1 [7.6]	25.2 [7.4]	
		Sens kBtu/h [kW]	18.8 [5.5]	18.3 [5.4]	16.8 [4.9]	20.8 [6.1]	20.3 [5.9]	18.6 [5.5]	22.8 [6.7]	22.2 [6.5]	20.4 [6.0]	
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
	95 [35]	Total kBtu/h [kW]	27.2 [8.0]	26.9 [7.9]	26.1 [7.6]	26.3 [7.7]	26.0 [7.6]	25.2 [7.4]	25.4 [7.4]	25.1 [7.4]	24.3 [7.1]	
		Sens kBtu/h [kW]	18.4 [5.4]	17.9 [5.2]	16.5 [4.8]	20.4 [6.0]	19.9 [5.8]	18.2 [5.3]	22.4 [6.6]	21.8 [6.4]	20.0 [5.9]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	100 [37.8]	Total kBtu/h [kW]	26.1 [7.6]	25.8 [7.6]	25.0 [7.3]	25.2 [7.4]	24.9 [7.3]	24.1 [7.1]	24.3 [7.1]	24.0 [7.0]	23.2 [6.8]	
		Sens kBtu/h [kW]	18.0 [5.3]	17.5 [5.1]	16.1 [4.7]	20.0 [5.9]	19.5 [5.7]	17.9 [5.2]	22.0 [6.4]	21.4 [6.3]	19.6 [5.7]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	105 [40.6]	Total kBtu/h [kW]	24.9 [7.3]	24.7 [7.2]	23.9 [7.0]	24.0 [7.0]	23.7 [6.9]	23.0 [6.7]	23.1 [6.8]	22.8 [6.7]	22.1 [6.5]	
		Sens kBtu/h [kW]	17.5 [5.1]	17.1 [5.0]	15.7 [4.6]	19.5 [5.7]	19.0 [5.6]	17.4 [5.1]	21.5 [6.3]	21.0 [6.2]	19.2 [5.6]	
		Power	2.2	2.2	2.2	2.3	2.2	2.2	2.3	2.2	2.2	
	110 [43.3]	Total kBtu/h [kW]	23.6 [6.9]	23.4 [6.9]	22.6 [6.6]	22.7 [6.7]	22.5 [6.6]	21.7 [6.4]	21.8 [6.4]	21.5 [6.3]	20.9 [6.1]	
		Sens kBtu/h [kW]	17.0 [5.0]	16.6 [4.9]	15.2 [4.5]	19.0 [5.6]	18.5 [5.4]	17.0 [5.0]	21.1 [6.2]	20.5 [6.0]	18.8 [5.5]	
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3	
	115 [46.1]	Total kBtu/h [kW]	22.2 [6.5]	22.0 [6.4]	21.3 [6.2]	21.3 [6.2]	21.1 [6.2]	20.4 [6.0]	20.4 [6.0]	20.2 [5.9]	19.5 [5.7]	
		Sens kBtu/h [kW]	16.5 [4.8]	16.1 [4.7]	14.8 [4.3]	18.5 [5.4]	18.0 [5.3]	16.6 [4.9]	20.4 [6.0]	20.0 [5.9]	18.4 [5.4]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	120 [48.9]	Total kBtu/h [kW]	20.7 [6.1]	20.5 [6.0]	19.9 [5.8]	19.8 [5.8]	19.6 [5.7]	19 .0[5.6]	18.9 [5.5]	18.7 [5.5]	18.1 [5.3]	
		Sens kBtu/h [kW]	16.0 [4.7]	15.6 [4.6]	14.3 [4.2]	18.0 [5.3]	17.5 [5.1]	16.1 [4.7]	18.9 [5.5]	18.7 [5.5]	17.9 [5.2]	
		Power	2.7	2.6	2.6	2.7	2.7	2.6	2.7	2.7	2.6	
	125 [51.7]	Total kBtu/h [kW]	19.1 [5.6]	18.9 [5.5]	18.3 [5.4]	18.2 [5.3]	18.0 [5.3]	17.4 [5.1]	17.3 [5.1]	17.1 [5.0]	16.6 [4.9]	
		Sens kBtu/h [kW]	15.4 [4.5]	15.0 [4.4]	13.8 [4.0]	17.4 [5.1]	17.0 [5.0]	15.6 [4.6]	17.3 [5.1]	17.1 [5.0]	16.6 [4.9]	
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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—RDFXYC036

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]			1350 [637]	1225 [578]	1050 [496]	1350 [637]	1225 [578]	1050 [496]	1350 [637]	1225 [578]	1050 [496]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	50.7 [14.9]	49.8 [14.6]	48.5 [14.2]	42.2 [12.4]	41.4 [12.1]	40.3 [11.8]	38.6 [11.3]	37.9 [11.1]	36.9 [10.8]	
		Sens kBtu/h [kW]	29.0 [8.5]	27.7 [8.1]	25.8 [7.6]	31.6 [9.3]	30.1 [8.8]	28.1 [8.2]	33.9 [9.9]	32.4 [9.5]	30.2 [8.9]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	80 [26.7]	Total kBtu/h [kW]	49.7 [14.6]	48.8 [14.3]	47.5 [13.9]	41.2 [12.1]	40.4 [11.8]	39.4 [11.5]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]	
		Sens kBtu/h [kW]	28.5 [8.4]	27.2 [8.0]	25.4 [7.4]	31.1 [9.1]	29.7 [8.7]	27.7 [8.1]	33.5 [9.8]	31.9 [9.3]	29.8 [8.7]	
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	85 [29.4]	Total kBtu/h [kW]	48.7 [14.3]	47.8 [14.0]	46.6 [13.7]	40.2 [11.8]	39.4 [11.5]	38.4 [11.3]	36.6 [10.7]	35.9 [10.5]	35.0 [10.3]	
		Sens kBtu/h [kW]	28.0 [8.2]	26.8 [7.9]	25.0 [7.3]	30.6 [9.0]	29.2 [8.6]	27.3 [8.0]	33.0 [9.7]	31.5 [9.2]	29.4 [8.6]	
		Power	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
	90 [32.2]	Total kBtu/h [kW]	47.7 [14.0]	46.8 [13.7]	45.6 [13.4]	39.1 [11.5]	38.4 [11.3]	37.4 [11.0]	35.6 [10.4]	34.9 [10.2]	34.0 [10.0]	
		Sens kBtu/h [kW]	27.6 [8.1]	26.3 [7.7]	24.6 [7.2]	30.2 [8.9]	28.8 [8.4]	26.9 [7.9]	32.5 [9.5]	31.0 [9.1]	29.0 [8.5]	
		Power		2.9	2.8	2.9	2.8	2.8	2.8	2.8	2.8	
	95 [35]	Total kBtu/h [kW]	46.6 [13.7]	45.8 [13.4]	44.6 [13.1]	38.1 [11.2]	37.4 [11.0]	36.4 [10.7]	34.5 [10.1]	33.9 [9.9]	33.0 [9.7]	
		Sens kBtu/h [kW]	27.1 [7.9]	25.9 [7.6]	24.2 [7.1]	29.7 [8.7]	28.4 [8.3]	26.5 [7.8]	32.1 [9.4]	30.6 [9.0]	28.6 [8.4]	
		Power	3.0	3.0	3.0	3.0	3.0	2.9	3.0	2.9	2.9	
	100 [37.8]	Total kBtu/h [kW]	45.5 [13.3]	44.7 [13.1]	43.5 [12.7]	37.0 [10.8]	36.3 [10.6]	35.4 [10.4]	33.4 [9.8]	32.8 [9.6]	31.9 [9.3]	
		Sens kBtu/h [kW]	26.6 [7.8]	25.4 [7.4]	23.7 [6.9]	29.2 [8.6]	27.9 [8.2]	26.1 [7.6]	31.6 [9.3]	30.2 [8.9]	28.2 [8.3]	
		Power	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	
	105 [40.6]	Total kBtu/h [kW]	44.4 [13.0]	43.6 [12.8]	42.5 [12.5]	35.9 [10.5]	35.2 [10.3]	34.3 [10.1]	32.3 [9.5]	31.7 [9.3]	30.9 [9.1]	
		Sens kBtu/h [kW]	26.2 [7.7]	25.0 [7.3]	23.3 [6.8]	28.8 [8.4]	27.5 [8.1]	25.6 [7.5]	31.1 [9.1]	29.7 [8.7]	27.7 [8.1]	
		Power	3.3	3.3	3.2	3.3	3.3	3.2	3.3	3.2	3.2	
	110 [43.3]	Total kBtu/h [kW]	43.3 [12.7]	42.5 [12.5]	41.4 [12.1]	34.7 [10.2]	34.1 [10.0]	33.2 [9.7]	31.1 [9.1]	30.6 [9.0]	29.8 [8.7]	
		Sens kBtu/h [kW]	25.7 [7.5]	24.6 [7.2]	22.9 [6.7]	28.3 [8.3]	27.0 [7.9]	25.2 [7.4]	30.7 [9.0]	29.3 [8.6]	27.3 [8.0]	
		Power	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	
	115 [46.1]	Total kBtu/h [kW]	42.1 [12.3]	41.3 [12.1]	40.3 [11.8]	33.6 [9.8]	32.9 [9.6]	32.1 [9.4]	30.0 [8.8]	29.4 [8.6]	28.7 [8.4]	
		Sens kBtu/h [kW]	25.3 [7.4]	24.1 [7.1]	22.5 [6.6]	27.9 [8.2]	26.6 [7.8]	24.8 [7.3]	30.0 [8.8]	28.8 [8.4]	26.9 [7.9]	
		Power	3.6	3.6	3.6	3.6	3.6	3.5	3.6	3.6	3.5	
	120 [48.9]	Total kBtu/h [kW]	40.9 [12.0]	40.1 [11.8]	39.1 [11.5]	32.4 [9.5]	31.8 [9.3]	30.9 [9.1]	28.8 [8.4]	28.2 [8.3]	27.5 [8.1]	
		Sens kBtu/h [kW]	24.8 [7.3]	23.7 [6.9]	22.1 [6.5]	27.4 [8.0]	26.2 [7.7]	24.4 [7.2]	28.8 [8.4]	28.2 [8.3]	26.5 [7.8]	
		Power	3.8	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.7	
	125 [51.7]	Total kBtu/h [kW]	39.7 [11.6]	38.9 [11.4]	37.9 [11.1]	31.1 [9.1]	30.6 [9.0]	29.8 [8.7]	27.5 [8.1]	27.0 [7.9]	26.3 [7.7]	
		Sens kBtu/h [kW]	24.4 [7.2]	23.2 [6.8]	21.7 [6.4]	27.0 [7.9]	25.7 [7.5]	24.0 [7.0]	27.5 [8.1]	27.0 [7.9]	26.1 [7.6]	
		Power	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	3.9	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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—RDFXYC048

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]			1800 [850]	1425 [673]	1400 [661]	1800 [850]	1425 [673]	1400 [661]	1800 [850]	1425 [673]	1400 [661]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	59.6 [17.5]	56.8 [16.6]	56.7 [16.6]	55.8 [16.4]	53.2 [15.6]	53.1 [15.6]	52.5 [15.4]	50.1 [14.7]	49.9 [14.6]	
		Sens kBtu/h [kW]	35.4 [10.4]	31.5 [9.2]	31.3 [9.2]	41.3 [12.1]	36.8 [10.8]	36.5 [10.7]	47.4 [13.9]	42.2 [12.4]	41.8 [12.3]	
		Power	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	
	80 [26.7]	Total kBtu/h [kW]	58.3 [17.1]	55.6 [16.3]	55.4 [16.2]	54.5 [16.0]	52.0 [15.2]	51.8 [15.2]	51.2 [15.0]	48.9 [14.3]	48.7 [14.3]	
		Sens kBtu/h [kW]	34.7 [10.2]	30.9 [9.1]	30.6 [9.0]	40.6 [11.9]	36.2 [10.6]	35.9 [10.5]	46.6 [13.7]	41.5 [12.2]	41.2 [12.1]	
		Power	3.5	3.4	3.4	3.5	3.4	3.4	3.5	3.4	3.4	
	85 [29.4]	Total kBtu/h [kW]	56.9 [16.7]	54.3 [15.9]	54.2 [15.9]	53.2 [15.6]	50.7 [14.9]	50.6 [14.8]	49.9 [14.6]	47.6 [14.0]	47.4 [13.9]	
		Sens kBtu/h [kW]	34.0 [10.0]	30.3 [8.9]	30.0 [8.8]	39.9 [11.7]	35.5 [10.4]	35.2 [10.3]	45.9 [13.5]	40.9 [12.0]	40.6 [11.9]	
		Power	3.7	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.5	
	90 [32.2]	Total kBtu/h [kW]	55.5 [16.3]	53.0 [15.5]	52.8 [15.5]	51.7 [15.2]	49.4 [14.5]	49.2 [14.4]	48.5 [14.2]	46.3 [13.6]	46.1 [13.5]	
		Sens kBtu/h [kW]	33.3 [9.8]	29.7 [8.7]	29.4 [8.6]	39.2 [11.5]	34.9 [10.2]	34.6 [10.1]	45.2 [13.2]	40.3 [11.8]	40.0 [11.7]	
		Power	3.9	3.8	3.8	3.9	3.8	3.8	3.8	3.7	3.7	
	95 [35]	Total kBtu/h [kW]	54.1 [15.9]	51.6 [15.1]	51.4 [15.1]	50.3 [14.7]	48.0 [14.1]	47.8 [14.0]	47.0 [13.8]	44.9 [13.2]	44.7 [13.1]	
		Sens kBtu/h [kW]	32.6 [9.6]	29.0 [8.5]	28.8 [8.4]	38.5 [11.3]	34.3 [10.1]	34.0 [10.0]	44.6 [13.1]	39.7 [11.6]	39.4 [11.5]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.0	3.9	3.9	
	100 [37.8]	Total kBtu/h [kW]	52.5 [15.4]	50.1 [14.7]	50.0 [14.7]	48.7 [14.3]	46.5 [13.6]	46.4 [13.6]	45.5 [13.3]	43.4 [12.7]	43.2 [12.7]	
		Sens kBtu/h [kW]	31.9 [9.3]	28.5 [8.4]	28.2 [8.3]	37.9 [11.1]	33.7 [9.9]	33.4 [9.8]	43.9 [12.9]	39.1 [11.5]	38.8 [11.4]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.3	4.2	4.2	
	105 [40.6]	Total kBtu/h [kW]	50.9 [14.9]	48.6 [14.2]	48.4 [14.2]	47.1 [13.8]	45.0 [13.2]	44.8 [13.1]	43.9 [12.9]	41.9 [12.3]	41.7 [12.2]	
		Sens kBtu/h [kW]	31.3 [9.2]	27.9 [8.2]	27.6 [8.1]	37.2 [10.9]	33.1 [9.7]	32.9 [9.6]	43.3 [12.7]	38.5 [11.3]	38.2 [11.2]	
		Power	4.6	4.5	4.5	4.6	4.5	4.4	4.5	4.4	4.4	
	110 [43.3]	Total kBtu/h [kW]	49.3 [14.4]	47.0 [13.8]	46.9 [13.7]	45.5 [13.3]	43.4 [12.7]	43.2 [12.7]	42.2 [12.4]	40.3 [11.8]	40.1 [11.8]	
		Sens kBtu/h [kW]	30.7 [9.0]	27.3 [8.0]	27.1 [7.9]	36.6 [10.7]	32.6 [9.6]	32.3 [9.5]	42.2 [12.4]	38.0 [11.1]	37.6 [11.0]	
		Power	4.9	4.8	4.7	4.8	4.7	4.7	4.8	4.7	4.7	
	115 [46.1]	Total kBtu/h [kW]	47.5 [13.9]	45.3 [13.3]	45.2 [13.2]	43.7 [12.8]	41.7 [12.2]	41.6 [12.2]	40.5 [11.9]	38.6 [11.3]	38.5 [11.3]	
		Sens kBtu/h [kW]	30.0 [8.8]	26.8 [7.9]	26.5 [7.8]	36.0 [10.6]	32.0 [9.4]	31.8 [9.3]	40.5 [11.9]	37.4 [11.0]	37.1 [10.9]	
		Power	5.2	5.0	5.0	5.1	5.0	5.0	5.1	5.0	5.0	
	120 [48.9]	Total kBtu/h [kW]	45.7 [13.4]	43.6 [12.8]	43.5 [12.7]	41.9 [12.3]	40.0 [11.7]	39.9 [11.7]	38.7 [11.3]	36.9 [10.8]	36.8 [10.8]	
		Sens kBtu/h [kW]	29.4 [8.6]	26.2 [7.7]	26.0 [7.6]	35.3 [10.3]	31.5 [9.2]	31.2 [9.1]	38.7 [11.3]	36.9 [10.8]	36.6 [10.7]	
		Power	5.5	5.3	5.3	5.4	5.3	5.3	5.4	5.3	5.3	
	125 [51.7]	Total kBtu/h [kW]	43.9 [12.9]	41.9 [12.3]	41.7 [12.2]	40.1 [11.8]	38.2 [11.2]	38.1 [11.2]	36.8 [10.8]	35.1 [10.3]	35.0 [10.3]	
		Sens kBtu/h [kW]	28.8 [8.4]	25.7 [7.5]	25.5 [7.5]	34.8 [10.2]	31.0 [9.1]	30.7 [9.0]	36.8 [10.8]	35.1 [10.3]	35.0 [10.3]	
		Power	5.8	5.7	5.7	5.8	5.6	5.6	5.7	5.6	5.6	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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—RDFXYC060

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]			2250 [1062]	1825 [861]	1750 [826]	2250 [1062]	1825 [861]	1750 [826]	2250 [1062]	1825 [861]	1750 [826]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	70.4 [20.6]	67.5 [19.8]	67.0 [19.6]	66.7 [19.5]	64.0 [18.8]	63.5 [18.6]	62.2 [18.2]	59.7 [17.5]	59.2 [17.4]
		Sens kBtu/h [kW]	41.8 [12.3]	37.7 [11.0]	37.0 [10.8]	49.2 [14.4]	44.4 [13.0]	43.6 [12.8]	55.7 [16.3]	50.2 [14.7]	49.2 [14.4]
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.1	4.1
	80 [26.7]	Total kBtu/h [kW]	69.5 [20.4]	66.6 [19.5]	66.1 [19.4]	65.8 [19.3]	63.1 [18.5]	62.7 [18.4]	61.3 [18.0]	58.8 [17.2]	58.3 [17.1]
		Sens kBtu/h [kW]	41.6 [12.2]	37.5 [11.0]	36.8 [10.8]	49.1 [14.4]	44.3 [13.0]	43.4 [12.7]	55.5 [16.3]	50.0 [14.7]	49.1 [14.4]
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.4	4.3	4.3
	85 [29.4]	Total kBtu/h [kW]	68.3 [20.0]	65.5 [19.2]	65.0 [19.1]	64.6 [18.9]	62.0 [18.2]	61.5 [18.0]	60.1 [17.6]	57.7 [16.9]	57.2 [16.8]
		Sens kBtu/h [kW]	41.2 [12.1]	37.2 [10.9]	36.5 [10.7]	48.7 [14.3]	43.9 [12.9]	43.1 [12.6]	55.1 [16.1]	49.7 [14.6]	48.7 [14.3]
		Power	4.7	4.6	4.6	4.7	4.6	4.6	4.6	4.5	4.5
	90 [32.2]	Total kBtu/h [kW]	66.9 [19.6]	64.2 [18.8]	63.7 [18.7]	63.2 [18.5]	60.6 [17.8]	60.2 [17.6]	58.7 [17.2]	56.3 [16.5]	55.9 [16.4]
		Sens kBtu/h [kW]	40.6 [11.9]	36.6 [10.7]	35.9 [10.5]	48.0 [14.1]	43.3 [12.7]	42.5 [12.5]	54.5 [16.0]	49.1 [14.4]	48.2 [14.1]
		Power	4.9	4.8	4.8	4.9	4.8	4.8	4.8	4.7	4.7
	95 [35]	Total kBtu/h [kW]	65.2 [19.1]	62.6 [18.3]	62.1 [18.2]	61.5 [18.0]	59.0 [17.3]	58.6 [17.2]	57.0 [16.7]	54.7 [16.0]	54.3 [15.9]
		Sens kBtu/h [kW]	39.7 [11.6]	35.8 [10.5]	35.1 [10.3]	47.2 [13.8]	42.6 [12.5]	41.8 [12.3]	53.6 [15.7]	48.4 [14.2]	47.4 [13.9]
		Power	5.2	5.1	5.0	5.1	5.0	5.0	5.0	4.9	4.9
	100 [37.8]	Total kBtu/h [kW]	63.3 [18.6]	60.7 [17.8]	60.3 [17.7]	59.6 [17.5]	57.2 [16.8]	56.8 [16.6]	55.1 [16.1]	52.9 [15.5]	52.5 [15.4]
		Sens kBtu/h [kW]	38.7 [11.3]	34.9 [10.2]	34.2 [10.0]	46.1 [13.5]	41.6 [12.2]	40.8 [12.0]	52.5 [15.4]	47.4 [13.9]	46.5 [13.6]
		Power	5.4	5.3	5.3	5.3	5.2	5.2	5.3	5.2	5.2
	105 [40.6]	Total kBtu/h [kW]	61.2 [17.9]	58.7 [17.2]	58.2 [17.1]	57.5 [16.9]	55.2 [16.2]	54.7 [16.0]	53.0 [15.5]	50.8 [14.9]	50.4 [14.8]
		Sens kBtu/h [kW]	37.4 [11.0]	33.7 [9.9]	33.1 [9.7]	44.8 [13.1]	40.4 [11.8]	39.7 [11.6]	51.2 [15.0]	46.2 [13.5]	45.3 [13.3]
		Power	5.6	5.5	5.5	5.6	5.5	5.4	5.5	5.4	5.4
	110 [43.3]	Total kBtu/h [kW]	58.8 [17.2]	56.4 [16.5]	56.0 [16.4]	55.1 [16.1]	52.9 [15.5]	52.5 [15.4]	50.6 [14.8]	48.5 [14.2]	48.2 [14.1]
		Sens kBtu/h [kW]	35.8 [10.5]	32.3 [9.5]	31.7 [9.3]	43.3 [12.7]	39.1 [11.5]	38.3 [11.2]	49.7 [14.6]	44.8 [13.1]	44.0 [12.9]
		Power	5.9	5.8	5.8	5.8	5.7	5.7	5.8	5.7	5.6
	115 [46.1]	Total kBtu/h [kW]	56.1 [16.4]	53.9 [15.8]	53.4 [15.7]	52.5 [15.4]	50.3 [14.7]	50.0 [14.7]	47.9 [14.0]	46.0 [13.5]	45.7 [13.4]
		Sens kBtu/h [kW]	34.1 [10.0]	30.8 [9.0]	30.2 [8.9]	41.6 [12.2]	37.5 [11.0]	36.8 [10.8]	47.9 [14.0]	43.3 [12.7]	42.4 [12.4]
		Power	6.2	6.0	6.0	6.1	6.0	6.0	6.0	5.9	5.9
	120 [48.9]	Total kBtu/h [kW]	53.3 [15.6]	51.1 [15.0]	50.7 [14.9]	49.6 [14.5]	47.6 [14.0]	47.2 [13.8]	45.1 [13.2]	43.2 [12.7]	42.9 [12.6]
		Sens kBtu/h [kW]	32.1 [9.4]	29.0 [8.5]	28.4 [8.3]	39.6 [11.6]	35.7 [10.5]	35.0 [10.3]	45.1 [13.2]	41.5 [12.2]	40.7 [11.9]
		Power	6.4	6.3	6.3	6.4	6.3	6.2	6.3	6.2	6.2
	125 [51.7]	Total kBtu/h [kW]	50.1 [14.7]	48.1 [14.1]	47.7 [14.0]	46.5 [13.6]	44.6 [13.1]	44.3 [13.0]	41.9 [12.3]	40.2 [11.8]	39.9 [11.7]
		Sens kBtu/h [kW]	29.9 [8.8]	27.0 [7.9]	26.5 [7.8]	37.4 [11.0]	33.7 [9.9]	33.1 [9.7]	41.9 [12.3]	39.5 [11.6]	38.8 [11.4]
		Power	6.7	6.6	6.6	6.7	6.5	6.5	6.6	6.5	6.5

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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

HEATING PERFORMANCE DATA—RDFXYC024

IDB			60°F [15.6°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			900 [425]	850 [401]	700 [330]	900 [425]	850 [401]	700 [330]	900 [425]	850 [401]	700 [330]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	12.1 [3.5] 2.2	12 [3.5] 2.2	11.9 [3.5] 2.3	11.8 [3.5] 2.4	11.7 [3.4] 2.4	11.6 [3.4] 2.4	11.4 [3.3] 2.5	11.4 [3.3] 2.5	11.2 [3.3] 2.6
	5 [-15]	Total kBtu/h [kW] Power	14.5 [4.2] 2.2	14.5 [4.2] 2.3	14.3 [4.2] 2.3	14.2 [4.2] 2.4	14.1 [4.1] 2.4	13.9 [4.1] 2.5	13.9 [4.1] 2.5	13.8 [4] 2.5	13.6 [4.0] 2.6
	10 [-12.2]	Total kBtu/h [kW] Power	16.9 [5.0] 2.3	16.9 [5.0] 2.3	16.7 [4.9] 2.3	16.6 [4.9] 2.4	16.5 [4.8] 2.4	16.3 [4.8] 2.5	16.3 [4.8] 2.6	16.2 [4.7] 2.6	16 [4.7] 2.6
	15 [-9.4]	Total kBtu/h [kW] Power	19.4 [5.7] 2.3	19.3 [5.7] 2.3	19.0 [5.6] 2.4	19.0 [5.6] 2.4	19.0 [5.6] 2.5	18.7 [5.5] 2.5	18.7 [5.5] 2.6	18.6 [5.5] 2.6	18.4 [5.4] 2.7
	20 [-6.7]	Total kBtu/h [kW] Power	21.8 [6.4] 2.3	21.7 [6.4] 2.3	21.4 [6.3] 2.4	21.5 [6.3] 2.5	21.4 [6.3] 2.5	21.1 [6.2] 2.5	21.1 [6.2] 2.6	21.0 [6.2] 2.6	20.8 [6.1] 2.7
	25 [-3.9]	Total kBtu/h [kW] Power	24.2 [7.1] 2.4	24.1 [7.1] 2.4	23.8 [7.0] 2.4	23.9 [7.0] 2.5	23.8 [7.0] 2.5	23.5 [6.9] 2.6	23.6 [6.9] 2.7	23.5 [6.9] 2.7	23.2 [6.8] 2.7
	30 [-1.1]	Total kBtu/h [kW] Power	26.6 [7.8] 2.4	26.5 [7.8] 2.4	26.2 [7.7] 2.5	26.3 [7.7] 2.5	26.2 [7.7] 2.6	25.9 [7.6] 2.6	26.0 [7.6] 2.7	25.9 [7.6] 2.7	25.5 [7.5] 2.8
	35 [1.7]	Total kBtu/h [kW] Power	29.1 [8.5] 2.4	28.9 [8.5] 2.5	28.6 [8.4] 2.5	28.7 [8.4] 2.6	28.6 [8.4] 2.6	28.2 [8.3] 2.7	28.4 [8.3] 2.7	28.3 [8.3] 2.8	27.9 [8.2] 2.8
	40 [4.4]	Total kBtu/h [kW] Power	31.5 [9.2] 2.5	31.3 [9.2] 2.5	31 [9.1] 2.6	31.1 [9.1] 2.6	31 [9.1] 2.7	30.6 [9.0] 2.7	30.8 [9.0] 2.8	30.7 [9.0] 2.8	30.3 [8.9] 2.9
	45 [7.2]	Total kBtu/h [kW] Power	33.9 [9.9] 2.5	33.8 [9.9] 2.6	33.3 [9.8] 2.6	33.6 [9.8] 2.7	33.4 [9.8] 2.7	33.0 [9.7] 2.8	33.2 [9.7] 2.8	33.1 [9.7] 2.8	32.7 [9.6] 2.9
	50 [10.0]	Total kBtu/h [kW] Power	36.3 [10.6] 2.6	36.2 [10.6] 2.6	35.7 [10.5] 2.7	36 [10.6] 2.7	35.8 [10.5] 2.7	35.4 [10.4] 2.8	35.7 [10.5] 2.9	35.5 [10.4] 2.9	35.1 [10.3] 3.0

HEATING PERFORMANCE DATA—RDFXYC036

IDB			60°F [15.6°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1350 [637]	1225 [578]	1050 [496]	1350 [637]	1225 [578]	1050 [496]	1350 [637]	1225 [578]	1050 [496]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW] Power	13.6 [4.0] 2.3	13.5 [4.0] 2.3	13.4 [3.9] 2.4	12.8 [3.8] 2.4	12.7 [3.7] 2.4	12.6 [3.7] 2.4	12.1 [3.5] 2.8	12.0 [3.5] 2.8	11.8 [3.5] 2.9
	5 [-15]	Total kBtu/h [kW] Power	15.7 [4.6] 2.3	15.6 [4.6] 2.4	15.4 [4.5] 2.4	14.9 [4.4] 2.4	14.8 [4.3] 2.4	14.7 [4.3] 2.5	14.2 [4.2] 2.8	14.0 [4.1] 2.8	13.9 [4.1] 2.9
	10 [-12.2]	Total kBtu/h [kW] Power	17.8 [5.2] 2.3	17.7 [5.2] 2.4	17.5 [5.1] 2.4	17.0 [5.0] 2.4	16.9 [5] 2.4	16.7 [4.9] 2.5	16.2 [4.7] 2.8	16.1 [4.7] 2.8	16.0 [4.7] 2.9
	15 [-9.4]	Total kBtu/h [kW] Power	19.9 [5.8] 2.3	19.8 [5.8] 2.4	19.6 [5.7] 2.4	19.1 [5.6] 2.4	19 [5.6] 2.4	18.8 [5.5] 2.5	18.3 [5.4] 2.8	18.2 [5.3] 2.8	18.0 [5.3] 2.9
	20 [-6.7]	Total kBtu/h [kW] Power	22.0 [6.4] 2.3	21.8 [6.4] 2.4	21.6 [6.3] 2.4	21.2 [6.2] 2.4	21.1 [6.2] 2.4	20.8 [6.1] 2.5	20.4 [6.0] 2.8	20.3 [5.9] 2.8	20.1 [5.9] 2.9
	25 [-3.9]	Total kBtu/h [kW] Power	24.1 [7.1] 2.3	23.9 [7.0] 2.4	23.7 [6.9] 2.4	23.3 [6.8] 2.4	23.1 [6.8] 2.4	22.9 [6.7] 2.5	22.5 [6.6] 2.8	22.4 [6.6] 2.9	22.1 [6.5] 2.9
	30 [-1.1]	Total kBtu/h [kW] Power	26.2 [7.7] 2.4	26 [7.6] 2.4	25.7 [7.5] 2.4	25.4 [7.4] 2.4	25.2 [7.4] 2.4	25.0 [7.3] 2.5	24.6 [7.2] 2.8	24.4 [7.2] 2.9	24.2 [7.1] 2.9
	35 [1.7]	Total kBtu/h [kW] Power	28.3 [8.3] 2.4	28.1 [8.2] 2.4	27.8 [8.1] 2.4	27.5 [8.1] 2.4	27.3 [8.0] 2.5	27.0 [7.9] 2.5	26.7 [7.8] 2.8	26.5 [7.8] 2.9	26.3 [7.7] 2.9
	40 [4.4]	Total kBtu/h [kW] Power	30.4 [8.9] 2.4	30.1 [8.8] 2.4	29.8 [8.7] 2.4	29.6 [8.7] 2.4	29.4 [8.6] 2.5	29.1 [8.5] 2.5	28.8 [8.4] 2.8	28.6 [8.4] 2.9	28.3 [8.3] 2.9
	45 [7.2]	Total kBtu/h [kW] Power	32.5 [9.5] 2.4	32.2 [9.4] 2.4	31.9 [9.3] 2.5	31.7 [9.3] 2.4	31.5 [9.2] 2.5	31.1 [9.1] 2.5	30.9 [9.1] 2.8	30.7 [9.0] 2.9	30.4 [8.9] 2.9
	50 [10.0]	Total kBtu/h [kW] Power	34.6 [10.1] 2.4	34.3 [10.1] 2.4	34.0 [10.0] 2.5	33.8 [9.9] 2.4	33.5 [9.8] 2.5	33.2 [9.7] 2.5	33.0 [9.7] 2.8	32.8 [9.6] 2.9	32.4 [9.5] 2.9

HEATING PERFORMANCE DATA—RDFXYC048

IDB			60°F [15.6°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1800 [850]	1425 [673]	1400 [661]	1800 [850]	1425 [673]	1400 [661]	1800 [850]	1425 [673]	1400 [661]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total kBtu/h [kW]	18.8 [5.5]	18.5 [5.4]	18.4 [5.4]	17.9 [5.2]	17.5 [5.1]	17.5 [5.1]	16.9 [5.0]	16.6 [4.9]	16.6 [4.9]
		Power	3.0	3.1	3.1	3.1	3.2	3.2	3.6	3.8	3.8
	5 [-15]	Total kBtu/h [kW]	21.5 [6.3]	21.1 [6.2]	21.1 [6.2]	20.6 [6]	20.2 [5.9]	20.1 [5.9]	19.6 [5.7]	19.2 [5.6]	19.2 [5.6]
		Power	3.0	3.1	3.1	3.1	3.2	3.2	3.7	3.8	3.8
	10 [-12.2]	Total kBtu/h [kW]	24.2 [7.1]	23.7 [6.9]	23.7 [6.9]	23.2 [6.8]	22.8 [6.7]	22.8 [6.7]	22.3 [6.5]	21.9 [6.4]	21.9 [6.4]
		Power	3.0	3.1	3.1	3.1	3.2	3.2	3.7	3.8	3.8
	15 [-9.4]	Total kBtu/h [kW]	26.9 [7.9]	26.4 [7.7]	26.4 [7.7]	25.9 [7.6]	25.5 [7.5]	25.4 [7.4]	25.0 [7.3]	24.5 [7.2]	24.5 [7.2]
		Power	3.0	3.1	3.1	3.1	3.2	3.2	3.7	3.8	3.8
	20 [-6.7]	Total kBtu/h [kW]	29.6 [8.7]	29.0 [8.5]	29.0 [8.5]	28.6 [8.4]	28.1 [8.2]	28.1 [8.2]	27.7 [8.1]	27.2 [8.0]	27.2 [8.0]
		Power	3.0	3.1	3.2	3.1	3.2	3.2	3.7	3.8	3.8
	25 [-3.9]	Total kBtu/h [kW]	32.3 [9.5]	31.7 [9.3]	31.6 [9.3]	31.3 [9.2]	30.8 [9.0]	30.7 [9.0]	30.4 [8.9]	29.8 [8.7]	29.8 [8.7]
		Power	3.0	3.2	3.2	3.1	3.2	3.2	3.7	3.8	3.8
	30 [-1.1]	Total kBtu/h [kW]	35.0 [10.3]	34.3 [10.1]	34.3 [10.1]	34.0 [10.0]	33.4 [9.8]	33.4 [9.8]	33.1 [9.7]	32.5 [9.5]	32.4 [9.5]
		Power	3.1	3.2	3.2	3.1	3.2	3.2	3.7	3.8	3.8
	35 [1.7]	Total kBtu/h [kW]	37.7 [11.0]	37.0 [10.8]	36.9 [10.8]	36.7 [10.8]	36.1 [10.6]	36.0 [10.6]	35.8 [10.5]	35.1 [10.3]	35.1 [10.3]
		Power	3.1	3.2	3.2	3.1	3.2	3.2	3.7	3.8	3.8
	40 [4.4]	Total kBtu/h [kW]	40.4 [11.8]	39.6 [11.6]	39.6 [11.6]	39.4 [11.5]	38.7 [11.3]	38.6 [11.3]	38.5 [11.3]	37.8 [11.1]	37.7 [11.0]
		Power	3.1	3.2	3.2	3.1	3.2	3.2	3.7	3.8	3.8
	45 [7.2]	Total kBtu/h [kW]	43.1 [12.6]	42.3 [12.4]	42.2 [12.4]	42.1 [12.3]	41.3 [12.1]	41.3 [12.1]	41.2 [12.1]	40.4 [11.8]	40.4 [11.8]
		Power	3.1	3.2	3.2	3.1	3.2	3.2	3.7	3.8	3.8
	50 [10.0]	Total kBtu/h [kW]	45.8 [13.4]	44.9 [13.2]	44.9 [13.2]	44.8 [13.1]	44.0 [12.9]	43.9 [12.9]	43.9 [12.9]	43.1 [12.6]	43.0 [12.6]
		Power	3.1	3.2	3.2	3.1	3.2	3.2	3.7	3.8	3.8

HEATING PERFORMANCE DATA—RDFXYC060

IDB			60°F [15.6°C]			70°F [21.1°C]			80°F [26.7°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]	0 [-17.8]	Total kBtu/h [kW]	26.9 [7.9]	26.4 [7.7]	26.3 [7.7]	25.1 [7.4]	24.7 [7.2]	24.6 [7.2]	23.3 [6.8]	22.9 [6.7]	22.9 [6.7]
		Power	4.0	4.1	4.1	3.9	4.0	4.1	4.6	4.8	4.8
	5 [-15]	Total kBtu/h [kW]	29.7 [8.7]	29.2 [8.6]	29.2 [8.6]	28.0 [8.2]	27.5 [8.1]	27.4 [8.0]	26.2 [7.7]	25.8 [7.6]	25.7 [7.5]
		Power	3.9	4.1	4.1	3.9	4.0	4.1	4.6	4.8	4.8
	10 [-12.2]	Total kBtu/h [kW]	32.6 [9.6]	32.1 [9.4]	32.0 [9.4]	30.8 [9.0]	30.3 [8.9]	30.2 [8.9]	29.1 [8.5]	28.6 [8.4]	28.5 [8.4]
		Power	3.9	4.1	4.1	3.9	4.0	4.0	4.6	4.8	4.8
	15 [-9.4]	Total kBtu/h [kW]	35.5 [10.4]	34.9 [10.2]	34.8 [10.2]	33.7 [9.9]	33.2 [9.7]	33.1 [9.7]	31.9 [9.3]	31.4 [9.2]	31.3 [9.2]
		Power	3.9	4.1	4.1	3.9	4.0	4.0	4.6	4.8	4.8
	20 [-6.7]	Total kBtu/h [kW]	38.3 [11.2]	37.7 [11.0]	37.6 [11.0]	36.6 [10.7]	36.0 [10.6]	35.9 [10.5]	34.8 [10.2]	34.2 [10.0]	34.1 [10.0]
		Power	3.9	4.0	4.1	3.9	4.0	4.0	4.6	4.7	4.8
	25 [-3.9]	Total kBtu/h [kW]	41.2 [12.1]	40.5 [11.9]	40.4 [11.8]	39.5 [11.6]	38.8 [11.4]	38.7 [11.3]	37.7 [11.0]	37.1 [10.9]	37.0 [10.8]
		Power	3.9	4.0	4.1	3.9	4.0	4.0	4.6	4.7	4.8
	30 [-1.1]	Total kBtu/h [kW]	44.1 [12.9]	43.4 [12.7]	43.2 [12.7]	42.3 [12.4]	41.6 [12.2]	41.5 [12.2]	40.6 [11.9]	39.9 [11.7]	39.8 [11.7]
		Power	3.9	4.0	4.1	3.9	4.0	4.0	4.6	4.7	4.8
	35 [1.7]	Total kBtu/h [kW]	47.0 [13.8]	46.2 [13.5]	46.1 [13.5]	45.2 [13.2]	44.5 [13.0]	44.3 [13.0]	43.4 [12.7]	42.7 [12.5]	42.6 [12.5]
		Power	3.9	4.0	4.0	3.9	4.0	4.0	4.6	4.7	4.8
	40 [4.4]	Total kBtu/h [kW]	49.8 [14.6]	49.0 [14.4]	48.9 [14.3]	48.1 [14.1]	47.3 [13.9]	47.1 [13.8]	46.3 [13.6]	45.5 [13.3]	45.4 [13.3]
		Power	3.9	4.0	4.0	3.9	4.0	4.0	4.6	4.7	4.7
	45 [7.2]	Total kBtu/h [kW]	52.7 [15.4]	51.8 [15.2]	51.7 [15.2]	50.9 [14.9]	50.1 [14.7]	50.0 [14.7]	49.2 [14.4]	48.4 [14.2]	48.2 [14.1]
		Power	3.9	4.0	4.0	3.9	4.0	4.0	4.6	4.7	4.7
	50 [10.0]	Total kBtu/h [kW]	55.6 [16.3]	54.7 [16]	54.5 [16.0]	53.8 [15.8]	52.9 [15.5]	52.8 [15.5]	52.1 [15.3]	51.2 [15.0]	51.0 [14.9]
		Power	3.9	4.0	4.0	3.9	4.0	4.0	4.6	4.7	4.7

AIRFLOW PERFORMANCE DATA

RDFXYC SERIES	024	036	048	060
RECOMMENDED CFM FOR HIGH COOL (MIN/MAX)	700/900	1050/1350	1400/1800	1750/2250
THERMOSTAT CALL	NOMINAL CFM	NOMINAL CFM	NOMINAL CFM	NOMINAL CFM
FAN	840	800	1040	1200
LOW COOL	840	830	1025	1300
HIGH COOL*	**840**	**1230**	**1430**	**1820**
LOW HP HEAT	620	780	960	1235
HIGH HP HEAT	880	1160	1350	1710
60K LOW HEAT	910	910	—	—
60K HIGH HEAT	1050	1050	—	—
80K LOW HEAT	—	1110	1110	1065
80K HIGH HEAT	—	1265	1265	1240
100K LOW HEAT	—	—	1273	1296
100K HIGH HEAT	—	—	1465	1600

*Minimum based on 350 CFM per ton. Maximum based on 450 CFM per ton.

ELECTRICAL DATA - RDFXYC SERIES

		024ACV062	024AJV062	036ACV062	036ACV082	036AJV062	036AJV082	048ACV082	048ACV102
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	1	3	3	1	1	3	3
	Hz	60	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	20	28	20	20	28	28	23	23
	Minimum Overcurrent Protection Device Size	25	35	25	25	35	35	30	30
	Maximum Overcurrent Protection Device Size	25	40	25	25	40	40	30	30
Compressor Motor	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	1	3	3	1	1	3	3
	Amps (RLA), Comp. 1	8.6	14.6	8.6	8.6	14.6	14.6	10.8	10.8
	Amps (LRA), Comp. 1	70	76	70	70	76	76	123	123
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Condenser Motor	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1
	HP	1	1	1	1	1	1	1	1
	Amps (FLA, each)	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
	Amps (LRA, each)	—	—	—	—	—	—	—	—

ELECTRICAL DATA - RDFXYC SERIES

		048AJV082	048AJV102	060ACV082	060ACV102	060AJV082	060AJV102
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	3	1	1
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	36	36	29	29	43	43
	Minimum Overcurrent Protection Device Size	45	45	35	35	50	50
	Maximum Overcurrent Protection Device Size	50	50	40	40	60	60
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	3	1	1
	Amps (RLA), Comp. 1	19.4	19.4	12.4	12.4	23.7	23.7
	Amps (LRA), Comp. 1	102	102	93	93	123	123
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
Condenser Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/2	1/2	1/2	1/2
	Amps (FLA, each)	1.5	1.5	5.3	5.3	5.3	5.3
	Amps (LRA, each)	3	3				
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1	1	1	1	1	1
	Amps (FLA, each)	7.6	7.6	7.6	7.6	7.6	7.6
	Amps (LRA, each)	—	—	—	—	—	—

ACCESSORY EQUIPMENT

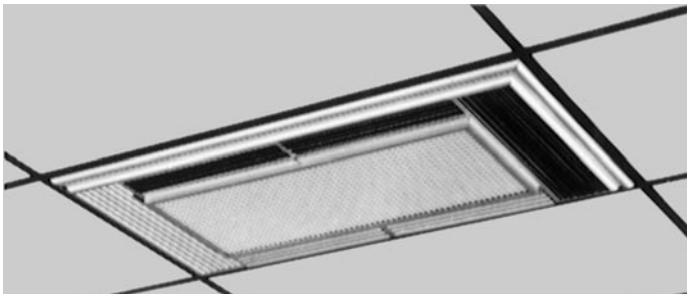
Accessory Description	Accessory Model No.
Roofcurb	RXSG-AXA14 (14" [356 mm] Height)
	RXSG-AXA24 (24" [610 mm] Height)
Curb Adapter ("A" footprint to "X" footprint)	RXRX-DXCAE
Duct Adapter Sideflow Square to Round Transition	AXMC-BA01
Supply & Return Diffusers	RXRN-BD15
Rectangular to Round Transition (Downflow)	RXMC-CA02 (16" [406 mm] Ducts)
	RXMC-CA03 (18" [457 mm] Ducts)
Economizers (Convertible)	RXRE-11RXCAM3
Dual Enthalpy Kit	PD555460
Fresh Air Damper	RXRF-FAA2 (Fixed-35%)
	RXRF-FAB2 (Motorized-35%)
Filter Kit	RXRY-B02
Split Door Design Kit	RXRX-SDX01
Low Ambient Control	RXPZ-G01
Phase Monitor Kit	RXRX-PM3A01
LP Conversion Kits[1]	RXGJ-FP28

[1]If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m] Canadian applications.

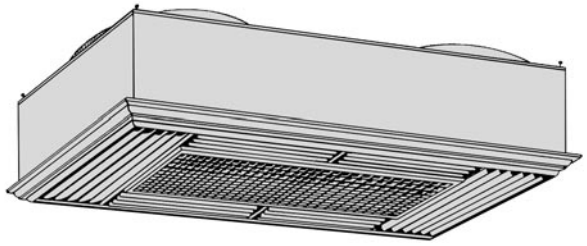
NOTE: High and low pressure switches are standard for RDFXYC Series Models.

[ ] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



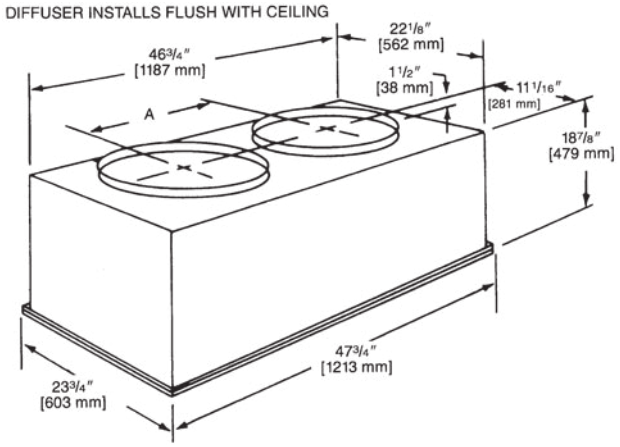
SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

Model No. RXRN-	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
BD15	16 [406]	90 [40.82]	20½ [521]

[ ] Designates Metric Conversions



NOTE: The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

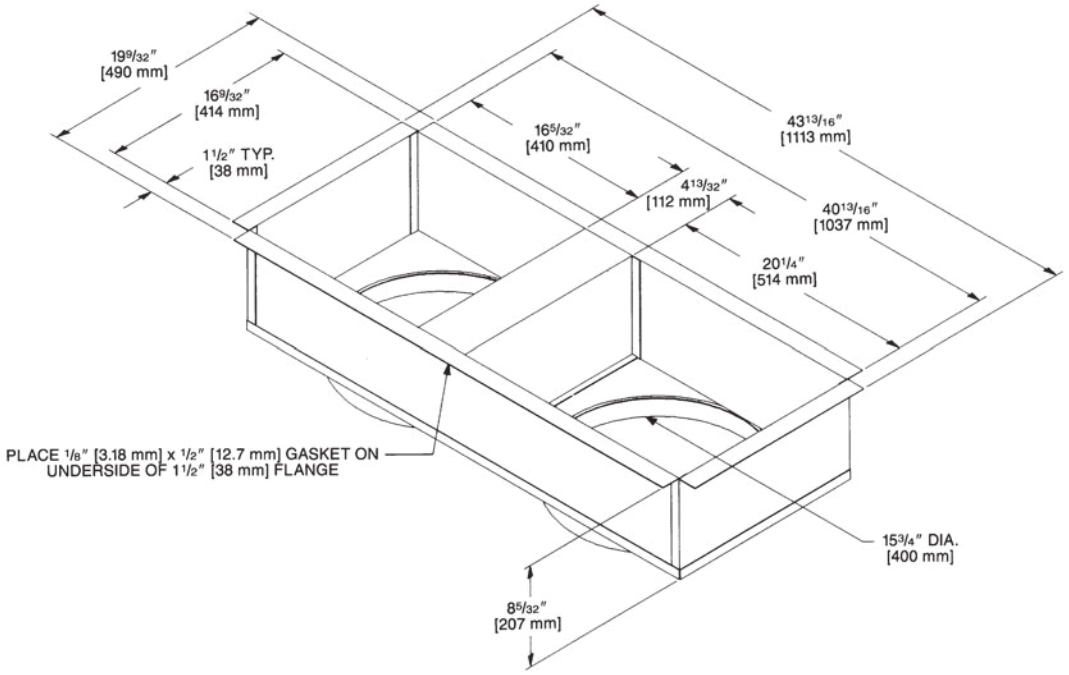
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

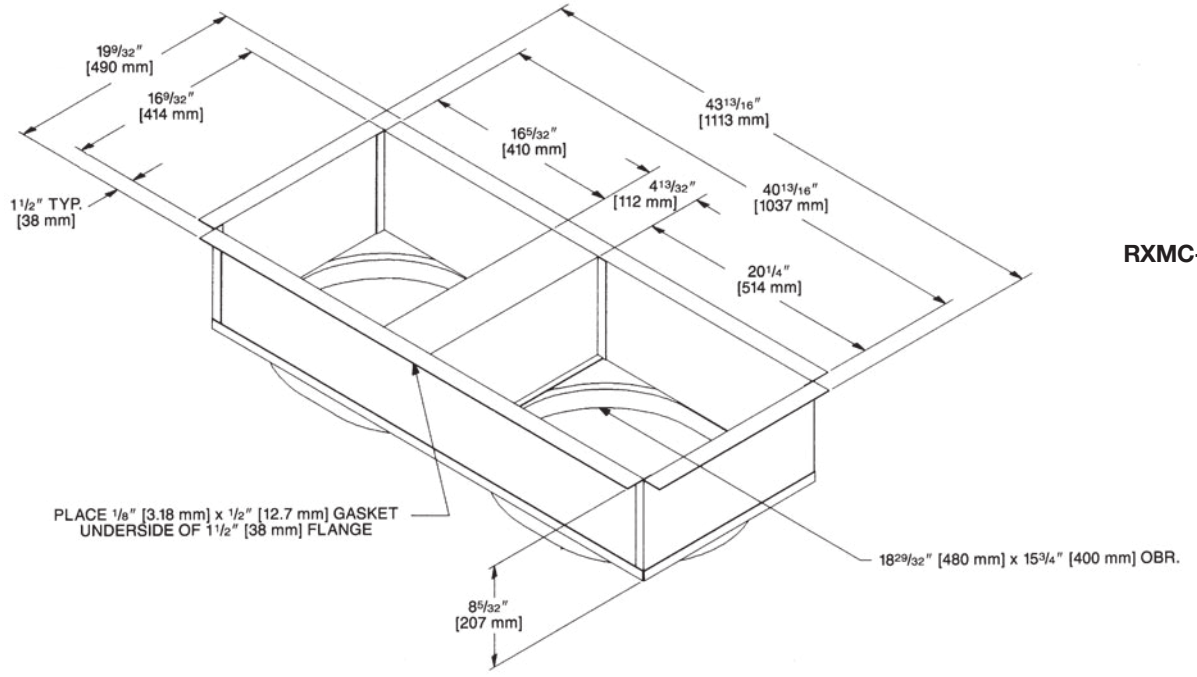
Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



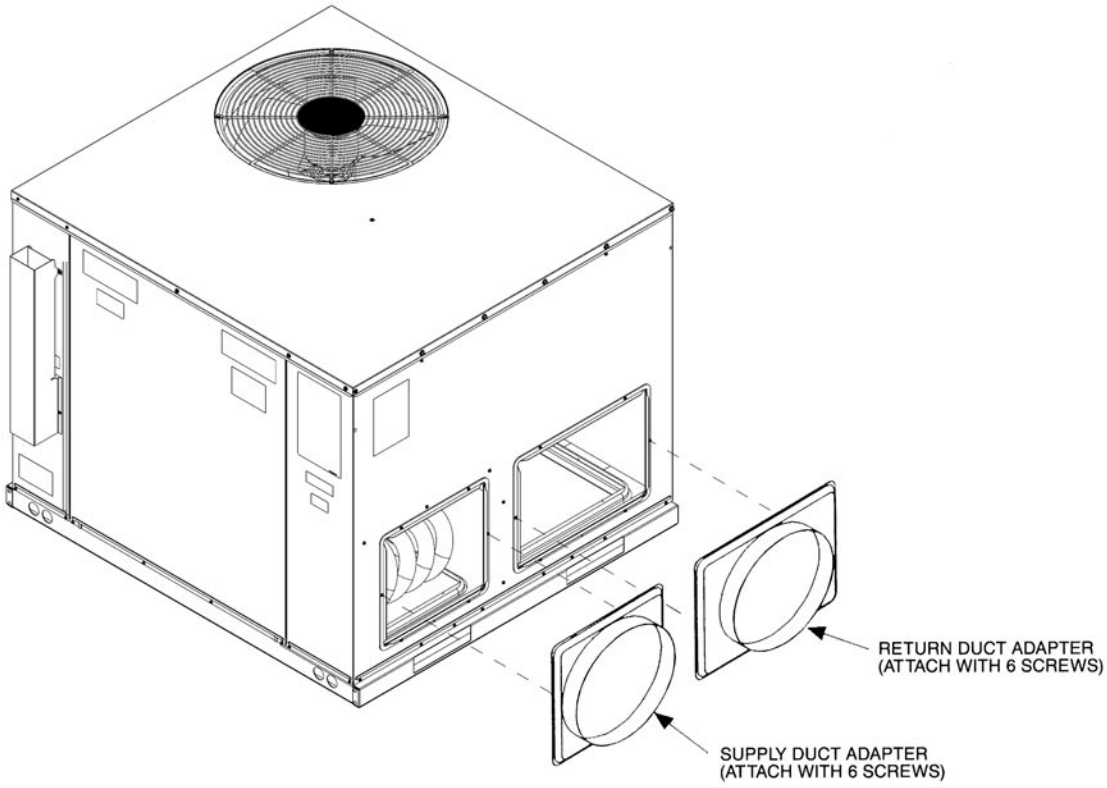
[ ] Designates Metric Conversions

DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION

AXMC-BA01

Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

[ ] Designates Metric Conversions



ROOFCURB (Full Perimeter)

RXSG-AXA14, RXSG-AXA24

Hinged corners make for fast, easy set-up

RXSG-AXA14
(14" [356 mm] Height)

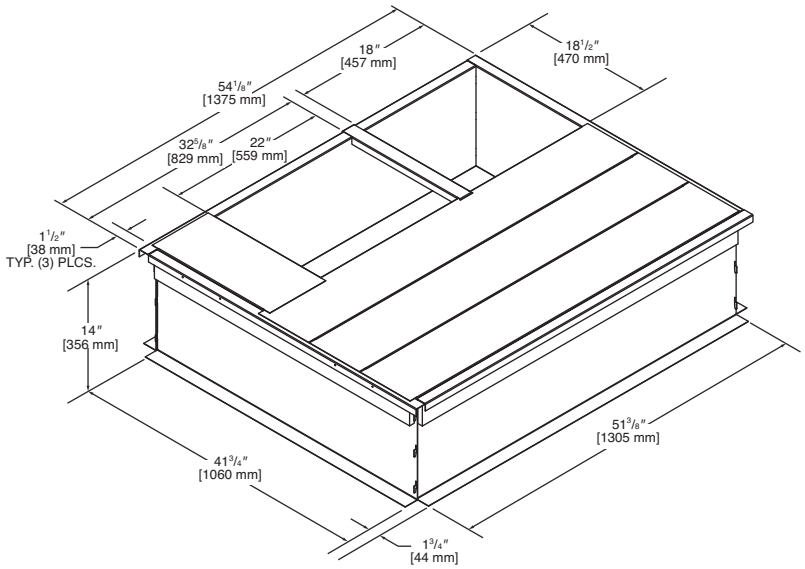


Illustration
ST-A1334-14-00

RXSG-AXA24
(24" [610 mm] Height)

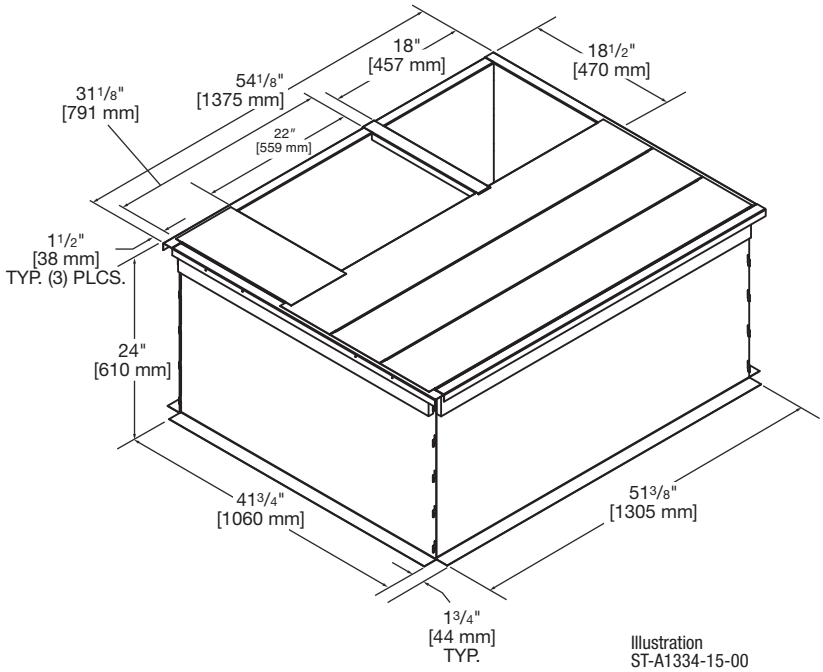
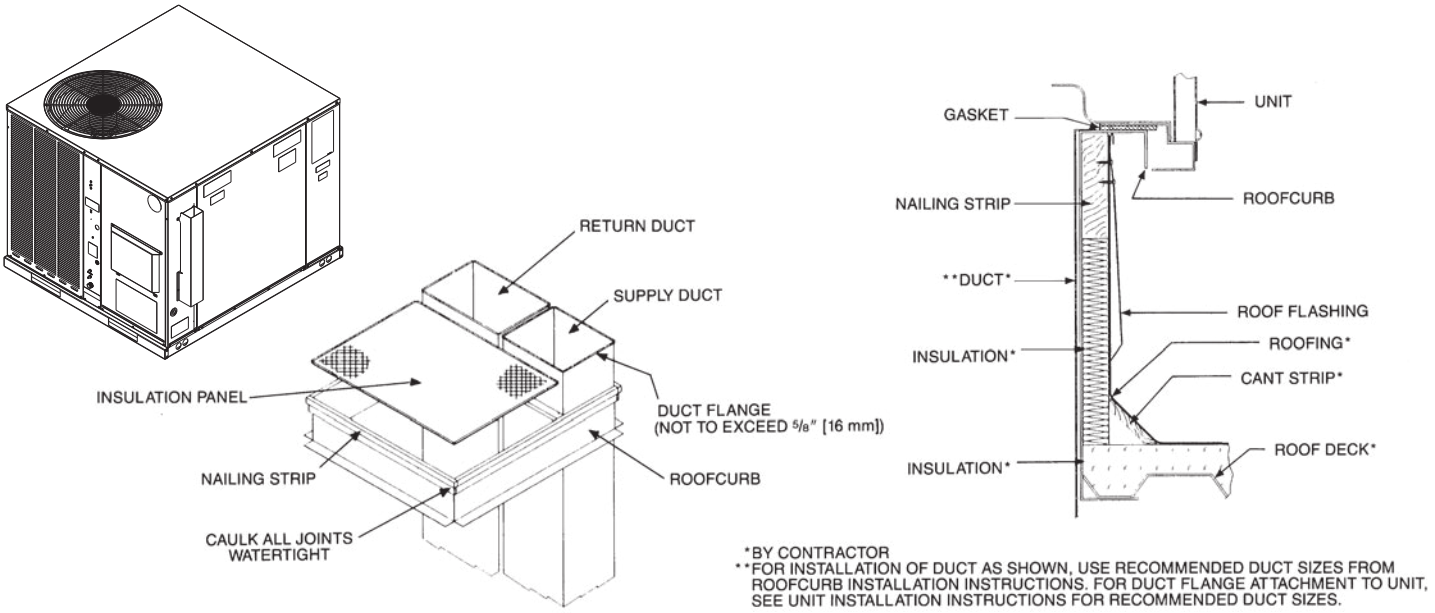


Illustration
ST-A1334-15-00

NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NORMAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

[ ] Designates Metric Conversions

PACKAGED DUAL FUEL UNITS
ROOFCURB INSTALLATION (Full Perimeter)



*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.

ROOFCURB ADAPTERS

Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.

OLD MODEL		OLD CURB MODEL	"A" CABINET TO OLD MODEL ROOF ADAPTER	"A" CABINET PACKAGE
SMALL CABINET (1½-2 TON) [5.28-7.03 KW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG- ,RSNY	20 SERIES	RXPA-CA20 (1)	RXRX-BACDB20 RXRX-BACDB21 RXRX-BCCCA23 RXRX-BCCDB23	RGEA/RHPA
MEDIUM CABINET (2½-3 TON) [8.79-10.55 KW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY	21 SERIES	RXRA-DB21 (2)		
EXTRA LARGE CABINET (3½-5 TON) [12.31-17.58 KW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY (4-5 TON) [14.07-17.58 kW]	23 SERIES	RXPA-CA23 (1) RXRA-DB23 (2)		

(1) SLOPE TYPE
(2) FULL PERIMETER TYPE

"A" CABINET TO "X" CABINET ADAPTER	"X" CABINET PACKAGE
RXRX-DXCAE	RDFX

[ ] Designates Metric Conversions

FRESH AIR DAMPER

AXRF-FAA2 (Fixed - 0-35%)

The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

AXRF-FAB2 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.

AXRF-FAA2
AXRF-FAB2

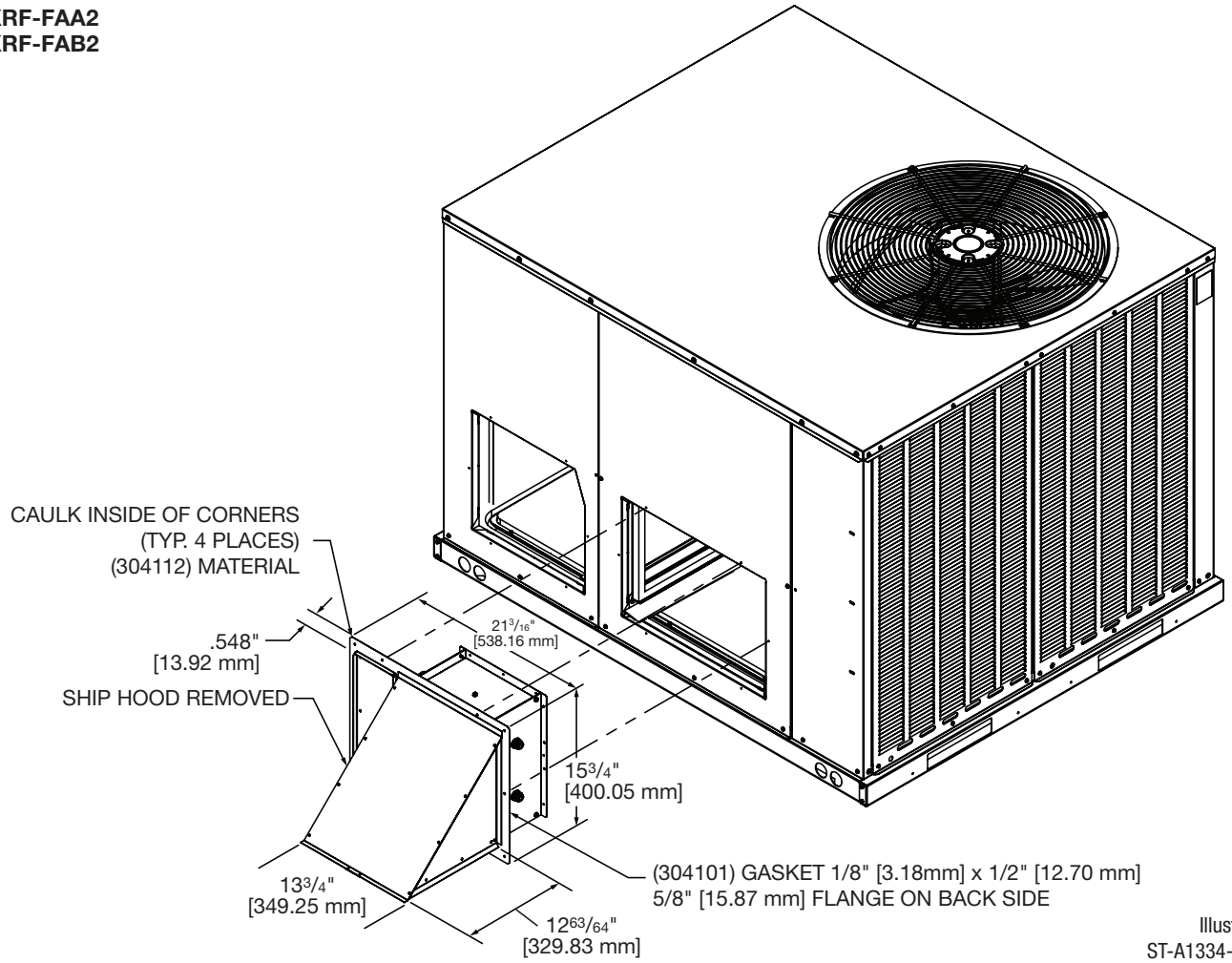


Illustration
ST-A1334-12-00

[ ] Designates Metric Conversions

ECONOMIZERS

RXRE-11RXCAM3

Horizontally and Vertically Applicable

- LCD Screen for Continuous diagnostic and system status
- Programmable set points for accurate positioning
- Simplified wiring and color coded terminals
- Onboard fault detection and diagnostics (FDD)
- Operational Checkout to verify installation
- Enthalpy sensors and actuator that communicate with Siemens controller reducing wiring errors while providing more information
- Setup and configure the economizer controller before putting it into usage by using the Climatix Mobile app or the inbuilt display
- CO_2 sensor input for demand control ventilation (DCV) applications
- RXRX-BV03 dual enthalpy kit available for field installation
- AMCA licensed class 1A low leak dampers

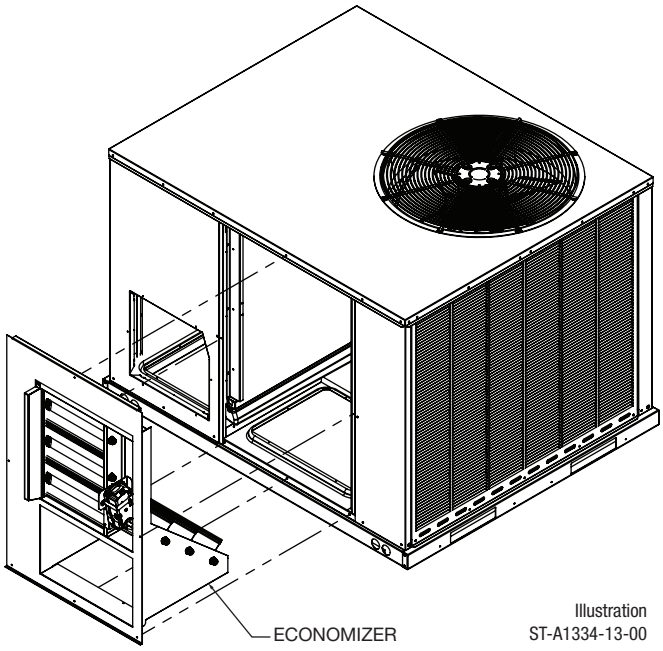


Illustration
ST-A1334-13-00

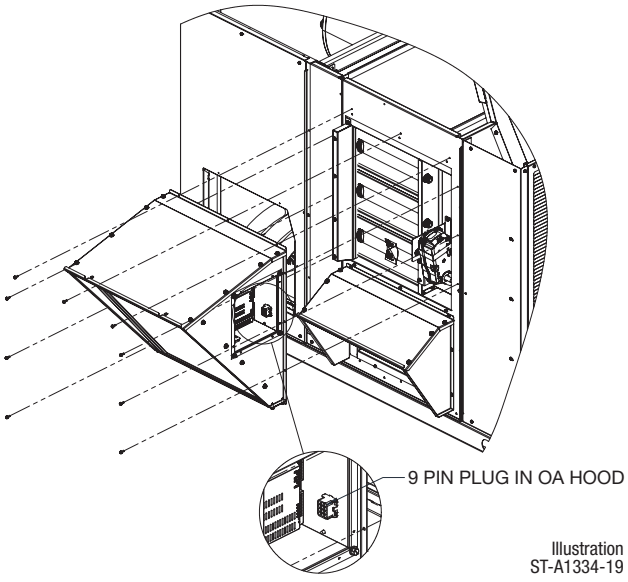
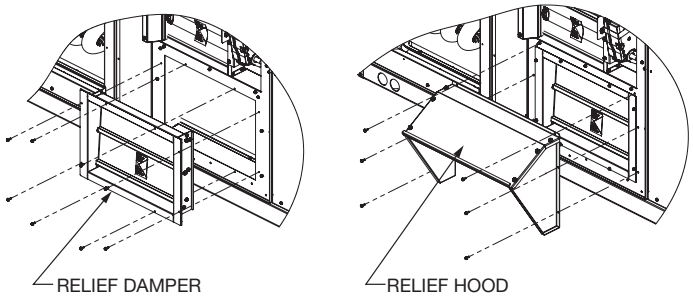


Illustration
ST-A1334-19

VERTICAL APPLICATION



HORIZONTAL APPLICATION

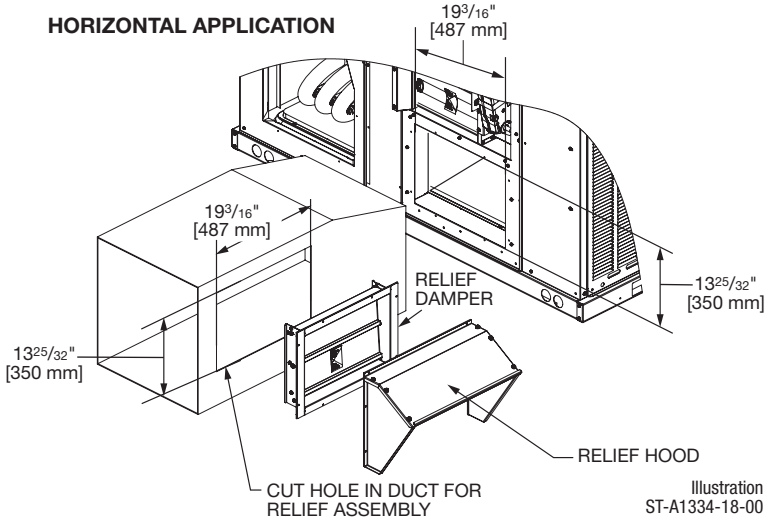


Illustration
ST-A1334-18-00

[ ] Designates Metric Conversions

FILTER KIT INSTALLATION

RXRY-B02

For use in either vertical or horizontal discharge

Split door design kit (RXRX-SDX01) should be used in the horizontal discharge application.

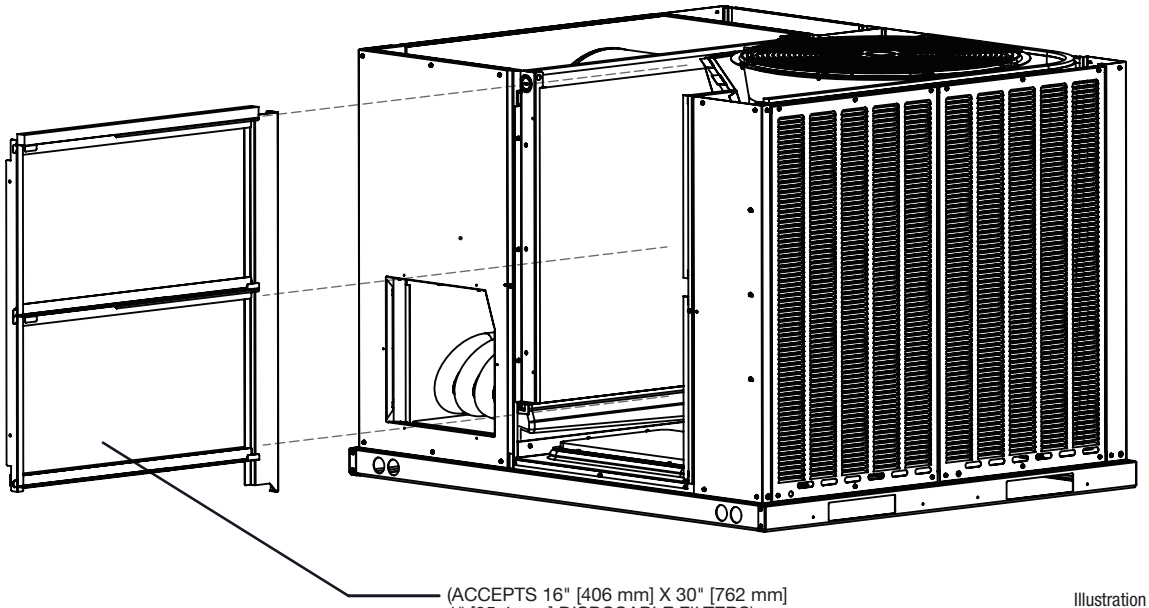


Illustration
ST-A1352-01-00A

Airflow Pressure Drop (1" filter)	
CFM [L/s]	**Inches W.C. [kPa]**
600 [283]	0.01 [0.002]
800 [378]	0.01 [0.002]
1000 [472]	0.02 [0.005]
1200 [566]	0.03 [0.008]
1400 [661]	0.05 [0.012]
1600 [755]	0.07 [0.017]
1800 [850]	0.08 [0.021]
2000 [944]	0.10 [0.026]

[ ] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

Sure Comfort® 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.

Heat Exchanger
- Factory Standard .....Ten (10) Years
- Stainless Steel
- Commercial Application.....Twenty (20) Years
- Stainless Steel
- Residential Application.....Limited Lifetime

Conditional Parts (Registration Required)
- Residential Applications .....Ten (10) Years

Compressor
- Residential Applications .....Ten (10) Years
- Commercial Applications .....Five (5) Years

Parts
- Commercial Applications.....One (1) Year

***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, Sure Comfort reserves the right to make changes without notice.

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