

# Renaissance™ Commercial F-Series™

## RGEDYB Packaged G/E Units | 7.5 to 12.5 Tons

### Standard Features

- Two-stage cooling system
- MicroChannel Indoor and Outdoor Coils
- PlusOne® ServiceSmart features
  - Qwik-Change Flex-Fit Rack
  - Qwik-Slide Blower Assembly
  - Qwik-Clean Drain Pan
- Variable Frequency Drive (VFD)
- Convertible Airflow
- Designed for A2L refrigerant R-454B



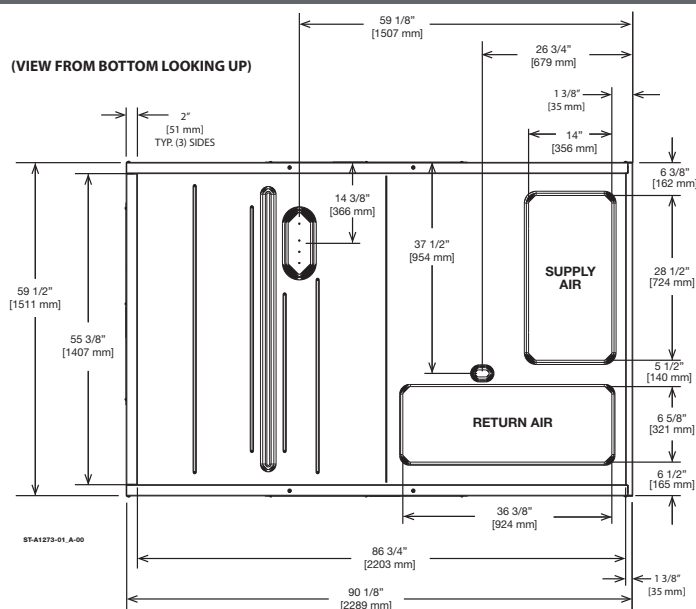
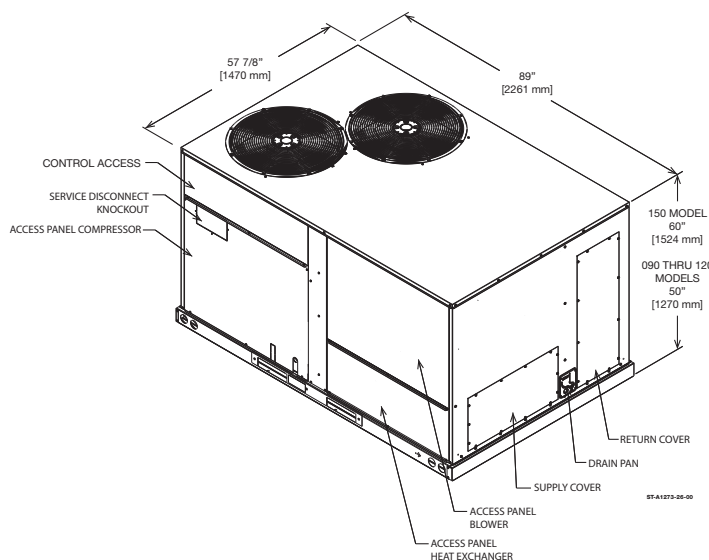
**FRIEDRICH**  
Commercial Air

**Capacities**  
Tons 7.5, 8.5, 10, 12.5

**Power Options**  
V, PH 208-230 V, 3 PH  
460 V, 3 PH  
575 V, 3 PH

Information provided for pre-sale only.  
Products will not be produced or shipped until ratings are certified to the Department of Energy.

### Specifications and Diagrams



Preliminary information based on preliminary estimates.  
Not a representation of energy use or efficiency of these models.

Specification	Unit	RGEDYB090	RGEDYB102	RGEDYB120	RGEDYB150
Nominal Cooling Capacity	Btu/h [kW]	90,000 [26.38]	102,000 [29.89]	120,000 [35.17]	150,000 [43.96]
Net Cooling Capacity	Btu/h [kW]	85,000 [24.9]	96,000 [28.13]	114,000 [33.4]	142,000 [41.61]
Net Sensible Capacity	Btu/h [kW]	63,750 [18.68]	72,000 [21.10]	85,500 [25.06]	106,500 [31.21]
Net Latent Capacity	Btu/h [kW]	21,250 [6.23]	24,000 [7.03]	28,500 [8.35]	35,500 [10.40]
Stages of Heating / Cooling		2 / 2	2 / 2	2 / 2	2 / 2
EER/IEER up to		11.0 / 14.6	11.0 / 14.6	11.0 / 14.6	10.8 / 14.0
Nominal Airflow	CFM [L/s]	3,000 [1,416]	3,400 [1,604]	4,000 [1,888]	5,000 [2,360]
Gas Heating Input (1st Stage / 2nd Stage)	Heat Capacity Code Btu/h [kW]	15	105,000 / 150,000 [30.76 / 43.95]	105,000 / 150,000 [30.76 / 43.95]	105,000 / 150,000 [30.76 / 43.95]
			105,000 / 150,000 [30.76 / 43.95]	Not Available	
		22	Not Available	157,500 / 225,000 [46.16 / 65.92]	157,500 / 225,000 [46.16 / 65.92]
Estimated Net Weight	lbs. [kg]	839 [381]	868 [364]	1,004 [455]	1,094 [496]
Estimated Shipping Weight	lbs. [kg]	878 [398]	907 [411]	1,043 [473]	1,133 [514]

# Renaissance™ Commercial F-Series™ | Packaged G/E

Model Number	<u>R</u>	<u>GE</u>	<u>D</u>	<u>Y</u>	<u>B</u>	<u>090</u>	<u>A</u>	<u>C</u>	<u>F</u>	<u>15</u>	<u>2</u>	<u>A</u>	<u>A</u>	****
Nomenclature	1	23	4	5	6	789	10	11	12	13 14	15	16	17	18 19 20

<b>1 - Brand</b> R = Friedrich	<b>6 - Efficiency Level</b> B = Standard Efficiency	<b>11 - Voltage</b> C = 208/230 V, 3 PH, 60Hz D = 460 V, 3 PH, 60Hz Y = 575 V, 3 PH, 60Hz	<b>13, 14 - Heat Capacity</b> 15 = 150,000 Btu/h 20 = 205,000 Btu/h 22 = 225,000 Btu/h	<b>16 - Control</b> A = CoreCommand™ B = CoreCommand & Comfort Alert® C = ClearControl™ D = ClearControl & Comfort Alert
<b>2, 3 - Unit Type</b> GE = Packaged Gas/Electric	<b>7, 8, 9 - Capacity</b> 090 = 7.5 Ton 102 = 8.5 Ton 120 = 10 Ton 150 = 12.5 Ton	<b>12 - Drive</b> F = Belt Drive - VFD Low G = Belt Drive - VFD Medium H = Belt Drive - VFD High	<b>15 - Heat Configuration</b> 2 = 2 Stage B = 2 Stage Stainless	<b>17 - Minor Series</b> A = 1st Design
<b>4 - Cabinet Type</b> D = Medium Commercial				<b>18, 19, 20 - Option Code</b> AAO
<b>5 - Refrigerant</b> Y = R-454B	<b>10 - Major Series</b> A = 1st Design			

18					19				20				
LV = Louver Protection RH = Reheat (HumidiDry®)* HA = Hinged Access CC = Coil Coating					DC = Disconnect Switch NP = Non-Powered Convenience Outlet LF = Low Ambient & Freeze Stat				EC = Economizer SS = Supply & Return Smoke Detector RS = Return Smoke Detector				
Option Code Character Highlighted													
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									

Not all model/option combinations are available. Refer to the product specifications sheet or [rapidspec.com](http://rapidspec.com) for specific details.

\* = only available with ClearControl™

## Accessories

Note: Factory installation available for highlighted models.

Accessory		Model Number	Accessory		Model Number
BACnet® Communication Card		RXXR-AY01	Motorized Fresh Air Damper DDC		RXRF-ADC1
Carbon Dioxide Sensor (Wall Mount)		RXXR-AR02	Outdoor Coil Louver Kit - 7.5 & 8.5 Ton		RXXR-ADD04A
Comfort Alert (1 Per Compressor)		RXXR-AZ02	Outdoor Coil Louver Kit - 10 & 12.5 Ton		RXXR-ADD04B
Dual Enthalpy Kit (for Honeywell® JADE™)		RXXR-BV01	<b>Power Exhaust</b>		
Dual Enthalpy Kit DDC (for Honeywell DDC)		RXXR-BV02	(230V) Convertible MicroMetl		RXXR-CDF01C
Dual Enthalpy, Temperature and Humidity Sensor (for Siemens®)		PD555460	(460V) Convertible MicroMetl		RXXR-CDF01D
Economizer Universal DDC Interface Kit		RXXR-DDC01	(230V) Horizontal RRS		RXXR-RDF03C
Downflow	MicroMetl Economizer, Siemens Controls	RXRD-11MDDAM3	(230V) Vertical RRS		RXXR-RDF03C
	RRS Rooftop Systems® Economizer	RXRD-41MDDAM3	(460V) Horizontal RRS		RXXR-MDF01C
	DDC MicroMetl Economizer, Honeywell DDC Controller	RXRD-01MDDBM3	(460V) Vertical RRS		RXXR-MDF03C
Horizontal	MicroMetl Economizer, Siemens Controls	RXRD-11MDHAM3	Roofcurb Adapter		RXXR-DDCAE
	RRS Rooftop Systems Economizer	RXRD-41MDHAM3	Roofcurb, 14"		RXXR-DGC14
	DDC MicroMetl Economizer, Honeywell DDC Controller	RXRD-01MDHBM3	Roofcurb, 14" Welded		RXXG-SD14
<b>Economizer, No Controls</b>			Roofcurb, 24"		RXXG-DGC24
(Downflow/Vertical) MicroMetl Economizer, No Controls, Belimo® Actuator		RXRD-31MDDAM3	Roofcurb, 24" Welded		RXXG-SD24
Flue Diverter		RXXR-DFG04	Room Humidity Sensor		RHC-ZNS4
Freeze Stat Kit		RXXR-AM01	Room Temperature and Relative Humidity Sensor		RHC-ZNS5
LonWorks® Communication Card		RXXR-AY02	Smoke Detector Kit, Return		RXXR-BS03
Low-Ambient Control Kit		RXXR-A04	Smoke Detector Kit, Return/Supply		RXXR-BS04
LP Conversion Kit		RXGJ-FP39	Unfused Service Disconnect		RXXR-BP01
Manual Fresh Air Damper		RXRF-ADA1	Unwired Convenience Outlet		RXXR-BN01
MERV 8 Filter 7.5 & 8.5 Ton		RXMF-M08A22020	UV-C Light Kit for 208/230V		RXXR-UVC22C
MERV 8 Filter 10 & 12.5 Ton		RXMF-M08A22520	UV-C Transformer Kit for 460V or 575V		RXXR-UVCTC
MERV 13 Filter 7.5 & 8.5 Ton		RXMF-M13A22020			
MERV 13 Filter 10 & 12.5 Ton		RXMF-M13A22520			

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