Renaissance™ *Commercial F-Series*™
RGEDYB Packaged G/E Units | 7.5 to 12.5 Tons

FRIEDRICH
Commercial Air

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)
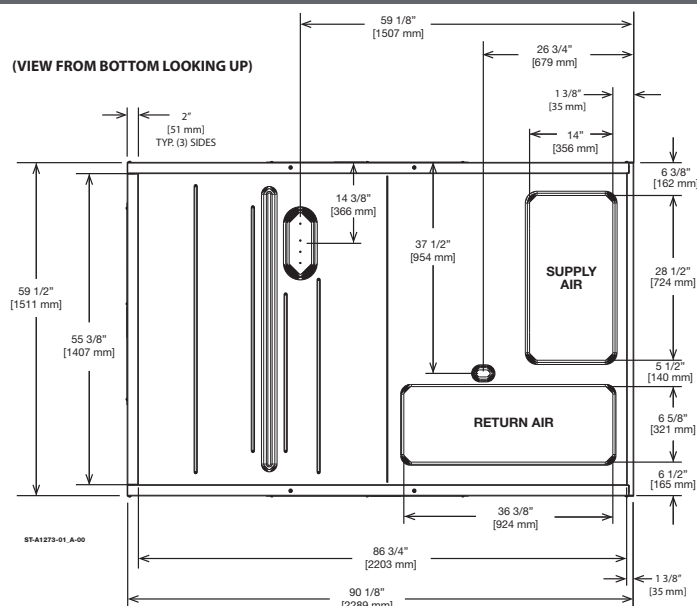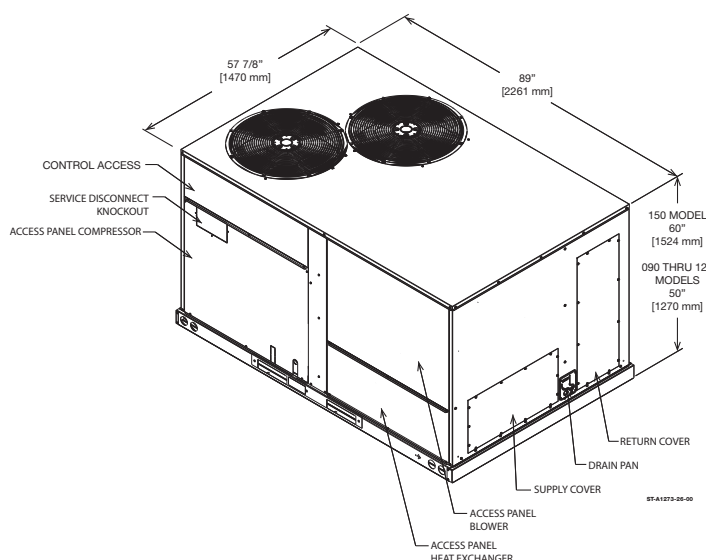- Convertible Airflow
- Designed for A2L refrigerant R-454B

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

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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)	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]
		20	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]	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]

(Heat Capacity Code column applies to the "15 / 20 / 22" values in the Gas Heating Input row)

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

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

1 - Brand
R = Friedrich

2, 3 - Unit Type
GE = Packaged Gas/Electric

4 - Cabinet Type
D = Medium Commercial

5 - Refrigerant
Y = R-454B

6 - Efficiency Level
B = Standard Efficiency

7, 8, 9 - Capacity
090 = 7.5 Ton
102 = 8.5 Ton
120 = 10 Ton
150 = 12.5 Ton

10 - Major Series
A = 1st Design

11 - Voltage
C = 208/230 V, 3 PH, 60Hz
D = 460 V, 3 PH, 60Hz
Y = 575 V, 3 PH, 60Hz

12 - Drive
F = Belt Drive - VFD Low
G = Belt Drive - VFD Medium
H = Belt Drive - VFD High

13, 14 - Heat Capacity
15 = 150,000 Btu/h
20 = 205,000 Btu/h
22 = 225,000 Btu/h

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

16 - Control
A = CoreCommand™
B = CoreCommand & Comfort Alert®
C = ClearControl™
D = ClearControl & Comfort Alert

17 - Minor Series
A = 1st Design

18, 19, 20 - Option Code
AA0

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 for specific details.

* = only available with ClearControl™

Accessories

Note: Factory installation available for highlighted models.

Accessory	Model Number
BACnet® Communication Card	RXRX-AY01
Carbon Dioxide Sensor (Wall Mount)	RXRX-AR02
Comfort Alert (1 Per Compressor)	RXRX-AZ02
Dual Enthalpy Kit (for Honeywell® JADE™)	RXRX-BV01
Dual Enthalpy Kit DDC (for Honeywell DDC)	RXRX-BV02
Dual Enthalpy, Temperature and Humidity Sensor (for Siemens®)	PD555460
Economizer Universal DDC Interface Kit	RXRX-DDC01
Economizer, Single Enthalpy	
Downflow MicroMetl Economizer, Siemens Controls	RXRD-11MDDAM3
Downflow RRS Rooftop Systems® Economizer	RXRD-41MDDAM3
Downflow DDC MicroMetl Economizer, Honeywell DDC Controller	RXRD-01MDDBM3
Horizontal MicroMetl Economizer, Siemens Controls	RXRD-11MDHAM3
Horizontal RRS Rooftop Systems Economizer	RXRD-41MDHAM3
Horizontal DDC MicroMetl Economizer, Honeywell DDC Controller	RXRD-01MDHBM3
Economizer, No Controls	
(Downflow/Vertical) MicroMetl Economizer, No Controls, Belimo® Actuator	RXRD-31MDDAM3
Flue Diverter	RXRX-DFG04
Freeze Stat Kit	RXRX-AM01
LonWorks® Communication Card	RXRX-AY02
Low-Ambient Control Kit	RXRZ-A04
LP Conversion Kit	RXGJ-FP39
Manual Fresh Air Damper	RXRF-ADA1
MERV 8 Filter 7.5 & 8.5 Ton	RXMF-M08A22020
MERV 8 Filter 10 & 12.5 Ton	RXMF-M08A22520
MERV 13 Filter 7.5 & 8.5 Ton	RXMF-M13A22020

Accessory	Model Number
Motorized Fresh Air Damper DDC	RXRF-ADC1
Outdoor Coil Louver Kit - 7.5 & 8.5 Ton	RXRX-ADD04A
Outdoor Coil Louver Kit - 10 & 12.5 Ton	RXRX-ADD04B
Power Exhaust	
(230V) Convertible MicroMetl	RXRX-CDF01C
(460V) Convertible MicroMetl	RXRX-CDF01D
(230V) Horizontal RRS	RXRX-RDF03C
(230V) Vertical RRS	RXRX-RDF03C
(460V) Horizontal RRS	RXRX-MDF01C
(460V) Vertical RRS	RXRX-MDF03C
Roofcurb Adapter	RXRX-DDCAE
Roofcurb, 14"	RXKG-DDD14
Roofcurb, 14" Welded	RXKG-SD14
Roofcurb, 24"	RXKG-DDD24
Roofcurb, 24" Welded	RXKG-SD24
Room Humidity Sensor	RHC-ZNS4
Room Temperature and Relative Humidity Sensor	RHC-ZNS5
Smoke Detector Kit, Return	RXRX-BS03
Smoke Detector Kit, Return/Supply	RXRX-BS04
Unfused Service Disconnect	RXRX-BP01
Unwired Convenience Outlet	RXRX-BN01
UV-C Light Kit for 208/230V	RXRX-UVC22C
UV-C Transformer Kit for 460V or 575V	RXRX-UVCTC

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