

Renaissance™ Commercial F-Series™

RGEGBYB Packaged G/E Units | 15 to 25 Tons

Standard Features

- Flexible footprint for easier direct replacement of most other industry products, in this category
- Convertible Airflow
- Patented PlusOne® SmartShield™ Coil System Design
- Patented PlusOne Velocifin® Heat Exchanger Design with larger tubes
- Outdoor Fan Design for enhanced airflow*
- Patented PlusOne ServiceSmart features
 - Qwik-Slide Velocifin Heat Exchanger Design
 - Qwik-Slide Indoor Blower Design
 - Qwik-Clean Drain Pan
- Designed for A2L refrigerant R-454B

*Patent Pending

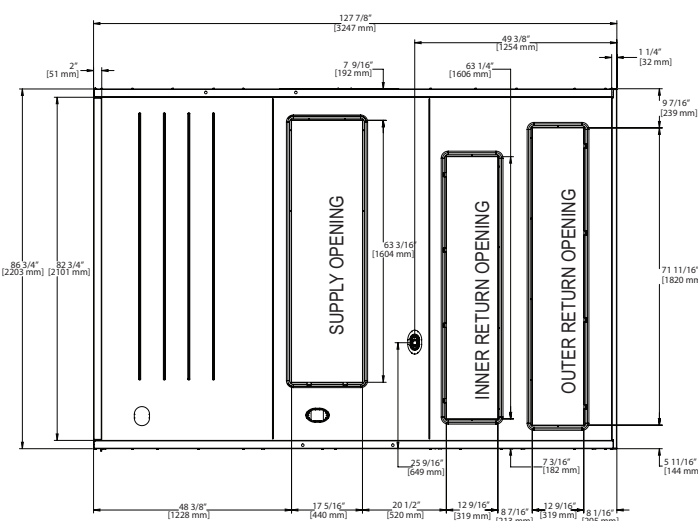
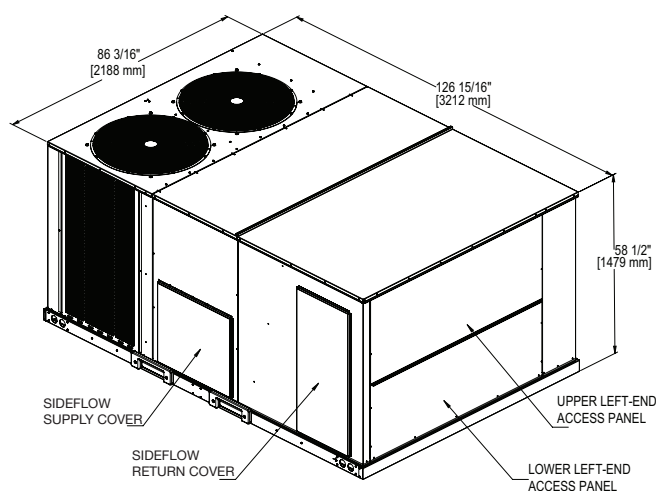


FRIEDRICH
Commercial Air

Capacities Tons	15, 17.5, 20, 25
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



*View from bottom-up. Only one return opening should be used.

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

Specification		Unit	RGEGBYB180	RGEGBYB210	RGEGBYB240	RGEGBYB300
Nominal Cooling Capacity		Btu/h [kW]	180,000 [52.75]	210,000 [61.55]	240,000 [70.34]	300,000 [87.92]
Net Cooling Capacity		Btu/h [kW]	172,000 [50.41]	200,000 [58.61]	228,000 [66.82]	284,000 [83.23]
Net Sensible Capacity		Btu/h [kW]	129,000 [37.81]	150,000 [43.96]	171,000 [50.12]	213,000 [62.42]
Net Latent Capacity		Btu/h [kW]	43,000 [12.60]	50,000 [14.65]	57,000 [16.71]	71,000 [20.81]
Stages of Heating / Cooling			2 / 2	2 / 2	2 / 2	2 / 2
EER / IEER up to			10.8 / 14.0	10.8 / 14.0	10.8 / 14.0	9.8 / 13.0
Nominal Airflow		CFM [L/s]	6,000 [2,832]	7,000 [3,304]	8,000 [3,776]	10,000 [4,719]
Gas Heating Input (1st Stage / 2nd Stage)	Heat Capacity Code	24	125,000 / 225,000 [36.62 / 73.25]	125,000 / 225,000 [36.62 / 73.25]	150,000 / 300,000 [43.95 / 87.9]	150,000 / 300,000 [43.95 / 87.9]
		32	175,000 / 350,000 51.27 / 102.55]	175,000 / 350,000 51.27 / 102.55]	Not Available	
		40	Not Available		200,000 / 400,000 [58.6 / 117.2]	200,000 / 400,000 [58.6 / 117.2]
Estimated Net Weight		lbs. [kg]	2,030 [920.8]	2,100 [952]	2,120 [961.6]	2,190 [993.4]
Estimated Shipping Weight		lbs. [kg]	2,130 [966.2]	2,180 [988.8]	2,220 [1,007.0]	2,290 [1,038.7]

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

Model Number	<u>R</u>	<u>GE</u>	<u>G</u>	<u>Y</u>	<u>B</u>	<u>180</u>	<u>A</u>	<u>C</u>	<u>F</u>	<u>32</u>	<u>2</u>	<u>B</u>	<u>A</u>	****			
Nomenclature	1	23	4	5	6	789	10	11	12	13 14	15	16	17	18	19	20 21	

1 - Brand R = Friedrich	6 - Efficiency Tier B = Standard Efficiency	11 - Voltage C = 208-230 V, 3 PH, 60Hz D = 460 V, 3 PH, 60Hz Y = 575 V, 3 PH, 60Hz	13, 14 - Heat Capacity 24 = 240,000 Btu/h 32 = 320,000 Btu/h 40 = 400,000 Btu/h	16 - Control B = CoreCommand™ & Phase Monitor C = ClearControl™ & Phase Monitor D = ClearControl & Comfort Alert®
2, 3 - Unit Type GE = Packaged Gas/Electric	7, 8, 9 - Capacity 180 = 15 Ton 210 = 17.5 Ton 240 = 20 Ton 300 = 25 Ton	12 - Drive F = Belt Drive - VFD Low G = Belt Drive - VFD Medium H = Belt Drive - VFD High	15 - Heat Configuration 2 = 2 Stage B = 2 Stage Stainless	17 - Minor Series A = 1st Design
4 - Cabinet Type G = Large Commercial	10 - Major Series A = 1st Design			18, 19, 20, 21 - Option Code AA0A
5 - Refrigerant Y = R-454B				

18				19				20				21	
LV = Louver Protection HA = Hinged Access CC = Condenser Coil Coating				DC = Disconnect PC = Powered Convenience Outlet NP = Non-Powered Convenience Outlet LF = Low Ambient & Freeze Stat CB = Circuit Breaker				EC = Economizer SS = Supply & Return Smoke RS = Return Smoke				M8 = MERV 8 Filter M13 = MERV 13 Filter	
Option Code Character Highlighted													
A	None			A	None			0	None			A	Standard
B	LV			B	LF			1	EC			D	M8
C	HA			C	NP			2	RS			G	M13
D	LV	HA		D	LF	NP		3	EC	RS			
E	LV	CC		E*	DC			4	SS				
F	LV	HA	CC	F*	LF	DC		5	EC	SS			
				G	PC	DC							
				H*	NP	DC							
				J	LF	PC	DC						
				K*	LF	NP	DC						
				L	CB								
				M	LF	CB							
				N	PC	CB							
				P	NP	CB							
				Q	LF	PC	CB						
				R	LF	NP	CB						

* = Not available on 25 Ton models with C voltage

Not all model/option combinations are available. Refer to the product specifications sheet or rapidspec.com for specific details.

Accessories

Note: Factory installation available for highlighted models.

Accessory		Model Number	Accessory		Model Number
BACnet® Communication Card		RXRX-AY01	Manual Fresh Air Damper		RXRF-AGA1
Carbon Dioxide Sensor (Wall Mount)		RXRX-AR02	MERV 8 Filter		RXMF-M08A22420
Comfort Alert (3 Phase) DDC		RXRX-AZG2	MERV 13 Filter		RXMF-M13A22420
Comfort Alert (3 Phase) Non-DDC		RXRX-AZG1	Motorized Fresh Air Damper		RXRF-AGB
Dual Enthalpy Kit (for Honeywell® JADE™)		RXRX-BV01	Motorized Fresh Air Damper DDC		RXRF-AGC1
Dual Enthalpy Kit DDC (for Honeywell DDC)		RXRX-BV02	Non-Powered Convenience Outlet		RXRX-BN01
Economizer Universal DDC Interface Kit		RXRX-DDC01	Outdoor Coil Louver Kit		RXRX-LKG01
Economizers, Single Enthalpy					
Downflow	MicroMetl Economizer, Siemens® Controls	RXRD-11MGDAM3	Power Exhaust (230V)		RXRX-CGF01C
	Ruskin Rooftop Systems® Economizer	RXRD-41MGDAM3	Power Exhaust (460V)		RXRX-CGF01D
Horizontal	MicroMetl Economizer, Siemens Controls	RXRD-11MGHAM3	Power Exhaust (575V)		RXRX-CGF01Y
			Return Smoke Detector (Downflow/Vertical)		RXRX-BSG1
	Ruskin Rooftop Systems Economizer	RXRD-41MGHAM3	Return Smoke Detector (Horizontal)		RXRX-BSG2
			Return/Supply Smoke Detector (Downflow/Vertical)		RXRX-BSG3
			Return/Supply Smoke Detector (Horizontal)		RXRX-BSG4
			Roofcurb, 14"		RXRX-DGC14
			Roofcurb, 18"		RXRX-DGC18
			Roofcurb, 24"		RXRX-DGC24
			Roofcurb Adapter (Previous Generation)		RXRX-DCGCAE
			Roofcurb Adapter Z-Bracket		RXRX-DGCAZ
			Roofcurb - Restraint Clips		RXRX-DGCRC
			Room Temperature and Humidity Sensor		RHC-ZNS5
			Unfused Service Disconnect		RXRX-BPG1

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