Renaissance™ *Commercial F-Series™*

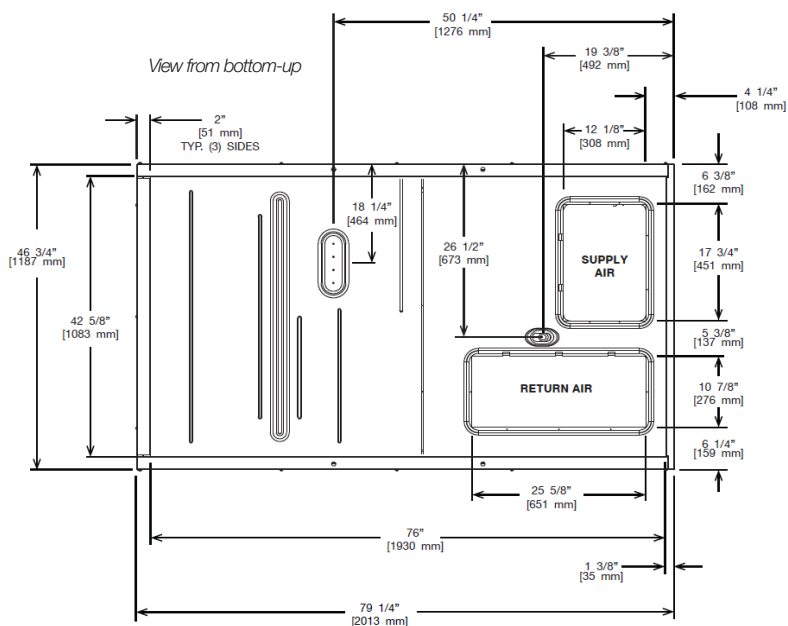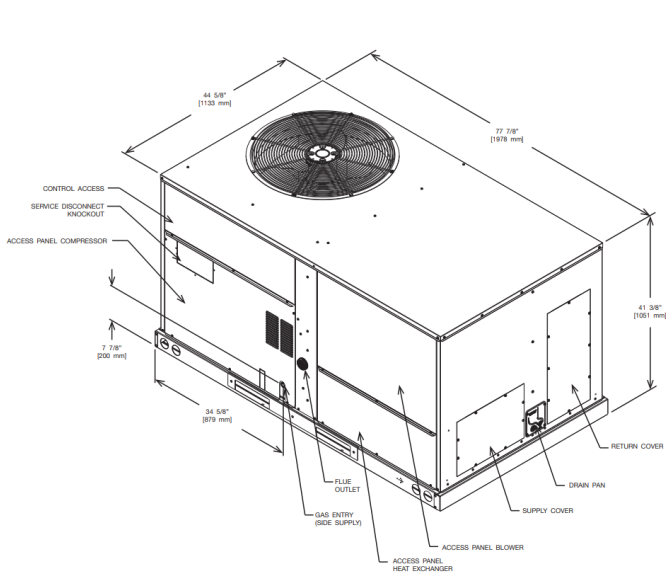## RACCYB Packaged Air Conditioners | 3 to 6 Tons

Standard Features

- Convertible Airflow
- MicroChannel evaporator and condenser coils
- PlusOne® ServiceSmart features
  - Qwik-Change Flex-Fit Rack
  - Qwik-Slide Blower Assembly
  - Qwik-Clean Drain Pan
- 3-5 Ton includes one single-stage compressor
- 6 Ton includes one two-stage compressor
- Designed for A2L refrigerant **R-454B**

FRIEDRICH
Commercial Air

Capacities *Tons*	3, 4, 5, 6
Power Options *V, PH*	208-230 V, 1 PH 208-230 V, 3 PH 460 V, 3 PH 575 V, 3 PH

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Diagrams and Preliminary Information

View from bottom-up

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

	Unit	RACCYB036	RACCYB048	RACCYB060	RACCYB072
Gross Cooling Capacity	Btu/h [kW]	35,600 [10.43]	47,200 [13.83]	61,000 [17.87]	72,000 [21.10]
Net Cooling Capacity	Btu/h [kW]	34,200 [10.02]	45,500 [13.33]	57,000 [16.71]	68,500 [20.10]
Net Sensible Capacity	Btu/h [kW]	24,000 [7.03]	31,800 [9.33]	39,500 [11.58]	48,000 [14.07]
Net Latent Capacity	Btu/h [kW]	10,200 [2.99]	13,700 [4.02]	17,500 [5.13]	20,500 [6.01]
EER2 (EER)		10.6	10.6	10.6	(11.2)
SEER2 (IEER)		13.4	13.4	13.4	(14.8)
Stages of Heating / Cooling		2 / 1	2 / 1	2 / 1	2 / 2
Nominal Airflow	CFM [L/s]	1,200 [566]	1,600 [755]	2,000 [944]	2,400 [1,133]
Indoor Airflow	CFM [L/s]	1,175 [555]	1,570 [741]	1,825 [861]	2,400 [1,133]
Estimated Net Weight	lbs. [kg]	557 [253]	580 [263]	583 [264]	582 [264]
Estimated Shipping Weight	lbs. [kg]	595 [270]	618 [280]	621 [282]	620 [281]

Renaissance™ *Commercial F-Series™* | Packaged AC

Model Number Nomenclature

R	AC	C	Y	B	036	A	C	T	10	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
AC = Packaged AC

4 - Cabinet Type
C = Small Commercial

5 - Refrigerant
Y = R-454B

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

10 - Major Series
A = 1st Design

11 - Voltage
J = 208-230 V, 1 PH, 60 Hz
C = 208-230 V, 3 PH, 60 Hz
D = 460 V, 3 PH, 60 Hz
Y = 575V, 3 PH, 60 Hz

12 - Drive
T = Direct Drive Standard Static Constant Torque
U = Direct-Drive High Static Constant Torque

13, 14 - Heat Capacity
00 = No Heat
10 = 10 kW
15 = 15 kW
20 = 20 kW
24 = 24 kW

15 - Heat Configuration
0 = No stages
1 = 1 stage
2 = 2 stage

16 - Control
A = Core Command™ (Non-Communicating)
B = Core Command™ & Phase Monitor
C = Clear Control™ (DDC) & Phase Monitor
D = Clear Control™ (DDC) & Comfort Alert®

17 - Minor Series
A = 1st Design

18, 19, 20 - Option Code
AA0

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

18	19	20
LV = Louver Protection RH = Reheat HA = Hinged Access CC = Coil Coating	LF = Low Ambient & Freeze Stat NP = Non-Powered Convenience Outlet	EC = Economizer SS = Supply & Return Smoke Detector RS = Return Smoke Detector

Option Code Character Highlighted

18					19			20			
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						**4**	SS	RS	
F	LV	HA	CC					**5**	EC	SS	RS
N	RH										
P	LV	RH									
Q	RH	HA									
R	LV	RH	CC								
S	LV	RH	HA								
T	LV	RH	HA	CC							

Accessories

Note: Factory installation available for highlighted models.

Accessory	Model Number
Comfort Alert (1 Phase) DDC	RXRX-AZ03
Comfort Alert (1 Phase) Non-DDC	RXRX-AZ04
Comfort Alert (3 Phase) DDC	RXRX-AZ01
Comfort Alert (3 Phase) Non-DDC	RXRX-AZ02
Communication Card, BACnet	RXRX-AY01
Communication Card, LonWorks	RXRX-AY02
Concentric Adapter 3-4 Ton Drop	RXMC-DC01
Concentric Adapter 5-6 Ton Drop	RXMC-DC02
Concentric Diffuser 3-4 Ton Drop	RXRN-AED1800
Concentric Diffuser 3-4 Ton Flush	RXRN-AEF1800
Concentric Diffuser 5-6 Ton Drop	RXRN-AED2000
Concentric Diffuser 5-6 Ton Flush	RXRN-AEF2000
Convenience Outlet, Non-powered	RXRX-BN01
Dual Enthalpy Kit, Honeywell	RXRX-BV01
Dual Enthalpy Kit DDC, Honeywell	RXRX-BV02
Dual Enthalpy Optional Sensor, Siemens	PD555460
Dual Enthalpy Optional Sensor, RRS Basic	PD555463
Economizer w/ Single Enthalpy	
(Downflow/Vertical) Honeywell	RXRD-01MCDAM3
(Horizontal) Honeywell	RXRD-01MCHAM3
(Downflow/Vertical) DDC, Honeywell	RXRD-01MCDBM3
(Horizontal) DDC, Honeywell	RXRD-01MCH-BM3
(Downflow/Vertical) Siemens	RXRD-11MCDAM3
(Horizontal) Siemens	RXRD-11MCHAM3
(Downflow/Vertical) RRS Basic	RXRD-41MCDAM3
(Horizontal) RRS Basic	RXRD-41MCHAM3
(Downflow/Vertical) No Controls	RXRD-31MCDAM3
Freeze Stat Kit	RXRX-AM05
Fresh Air Damper, Manual	RXRF-ACA1

Accessory	Model Number
Fresh Air Damper, Motorized	RXRF-ACB1
Fresh Air Damper, Motorized (DDC)	RXRF-ACC1
Low-Ambient Control Kit	RXRZ-A04
MERV 13 Filter	RXMF-M13A21616
MERV 8 Filter	RXMF-M08A21616
Outdoor Coil Louver Kit	RXRX-ADD04C
Power Exhaust	
(230V) Vertical	RXRX-CCF02C
(460V) Vertical	RXRX-CCF02D
(230V) Horizontal	RXRX-CCF03C
(460V) Horizontal	RXRX-CCF03D
(230V) Vertical RRS	RXRX-RCF02C
(460V) Vertical RRS	RXRX-RCF02D
(230V) Horizontal RRS	RXRX-RCF03C
(460V) Horizontal RRS	RXRX-RCF03D
Return Smoke Detector (Field kit)	RXRX-BS01
Return/ Supply Smoke Detector (Field kit)	RXRX-BS02
Roofcurb Adapter	RXRX-DCCAE
Roofcurb, 14"	RXKG-DCC14
Roofcurb, 24"	RXKG-DCC24
Room Humidity Sensor	RHC-ZNS4
Room Temperature and Relative Humidity Sensor	RHC-ZNS5
Wall Mounted Carbon Dioxide Sensor	RXRX-AR02
Unfused Service Disconnect	RXRX-BP01
UV-C Light Kit for 208/230V	RXRX-UVC22C
UV-C Transformer Kit for 460V/230V	RXRX-UVCTC
Single Point Wiring Kits, Single Phase	RXJX-AJ0601
Single Point Wiring Kits, Three Phase	RXJX-AZ0601

Accessory	Model Number
Electric Heater Kits	RXJJ-DC10JT
	RXJJ-DC15JT
	RXJJ-DC20JT
	RXJJ-DC10CP
	RXJJ-DC15CP
	RXJJ-DC20CP
	RXJJ-DC24CP
	RXJJ-DC10DNV
	RXJJ-DC15DNV
	RXJJ-DC20DNV
	RXJJ-DC24DNV

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