

Resolute™ Commercial F-Series™

RACHYB Packaged Air Conditioners | 15 to 25 Tons



FRIEDRICH
Commercial Air

Standard Features

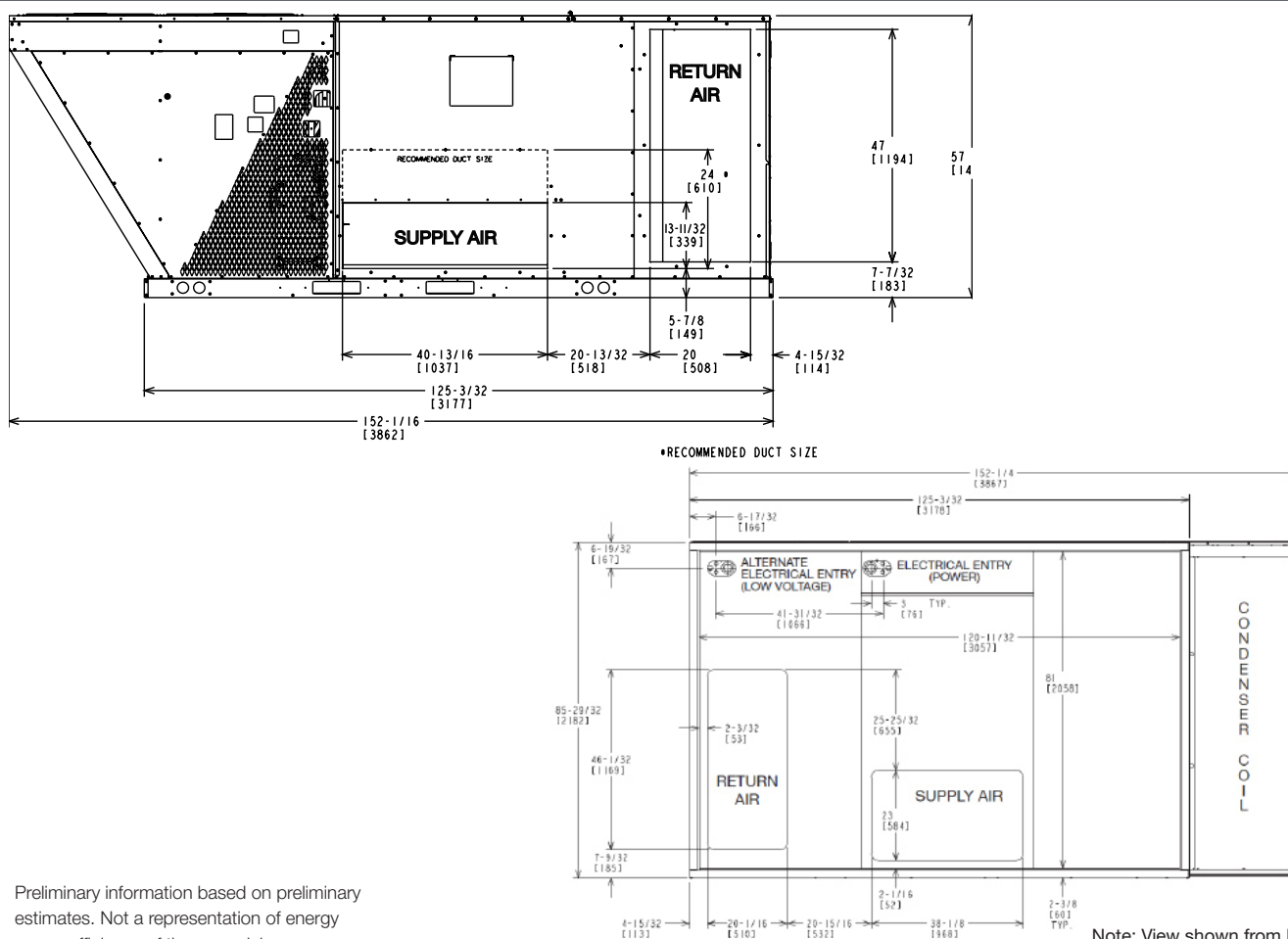
- Scroll Compressors
- Convertible Air Flow
- Factory Installed VFD
- Fin and Tube Indoor Coils
- Microchannel Outdoor Coils
- Factory Standard Hinged Access Panels
- Slide Out Indoor Fan Assembly
- Factory Installed ClearControl™ (DDC)
- Designed for A2L Refrigerant R-454B

Capacities
Tons 15, 17.5, 20, 25

Power Options
V, PH 208-230 V, 3 PH
460 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.

Note: View shown from bottom-up

Specification	Unit	RACHYB180	RACHYB210	RACHYB240	RACHYB300
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]	286,000 [83.82]
Net Sensible Capacity	Btu/h [kW]	129,000 [37.81]	150,000 [43.96]	171,000 [50.12]	214,500 [62.86]
Net Latent Capacity	Btu/h [kW]	43,000 [12.60]	50,000 [14.65]	57,000 [16.71]	71,500 [20.95]
Stages of Heating / Cooling		2 / 2	2 / 2	2 / 2	2 / 2
EER / IEER up to		11.0 / 14.2	11.0 / 14.2	11.0 / 14.2	10.0 / 13.2
Nominal Airflow	CFM [L/s]	6,000 [2,831]	7,000 [3,303]	8,000 [3,775]	10,000 [4,719]
Estimated Net Weight	lbs. [kg]	1,921 [871]	2,013 [913]	2,189 [993]	2,258 [1,024]
Estimated Shipping Weight	lbs. [kg]	2,047 [929]	2,140 [971]	2,289 [1,038]	2,358 [1,070]

Resolute™ Commercial F-Series™ | Packaged A/C

Model Number	<u>R</u>	<u>AC</u>	<u>H</u>	<u>Y</u>	<u>B</u>	<u>180</u>	<u>A</u>	<u>C</u>	<u>F</u>	<u>00</u>	<u>0</u>	<u>C</u>	<u>A</u>	<u>****</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 Level B = Standard Efficiency				11 - Voltage C = 208-230 V, 3 PH, 60Hz D = 460 V, 3 PH, 60Hz				13, 14 - Heat Capacity 00 = No Heat 20 = 20 kW 40 = 40 kW 60 = 60 kW 75 = 75 kW				16 - Control C = ClearControl™ D = ClearControl™ & Comfort Alert®				
2, 3 - Unit Type AC = Packaged AC	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 (Field Installed on 20 ton)				15 - Heat Configuration 0 = No Heat 1 = 1-Stage 2 = 2-Stage				17 - Minor Series A = 1st Design				
4 - Cabinet Type H = Large Commercial	10 - Major Series A = 1st Design												18, 19, 20, 21 - Option Code See below				
5 - Refrigerant Y = R-454B																	

18				19			20			21		
LV = Louver Protection RH = Hot Gas Reheat (HumidiDry®) HA = Hinged Access (Standard)				LF = Low Ambient & Freeze Stat NP = Non-Powered Convenience Outlet/Unfused Service Disconnect			EC = DDC Single Enthalpy Economizer with Barometric Relief (Downflow Only) RS = Return Smoke Detector			M8 = MERV 8 Filter M13 = MERV 13 Filter		
Option Code Character Highlighted												
C	HA			A	None		0	None		A	Standard	
D	LV	HA		B	LF		1	EC		D	M8	
Q	RH	HA		C	NP		3	EC	RS	G	M13	
S	LV	RH	HA	D	LF	NP						

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® Communicator Card	RXRX-AY01	LonWorks® Communication Card	RXRX-AY02
Carbon Dioxide Sensor (Wall Mount)	RXRX-AR02	Low-Ambient Control Kit (1 Per Compressor)	RXRX-C02
Comfort Alert (1 per Compressor)	RXRX-AZ01	Manual Fresh Air Damper¹	AXRF-KFA1
Concentric Diffuser (Step-Down, 18" x 36")	RXRN-AD81	Motorized Kit for Manual Fresh Air Damper¹	RXRX-AW03
Concentric Diffuser (Step-Down, 24" x 48")	RXRN-AD86	MERV 8 Filter	RXMF-M08A2250
Concentric Diffuser (Step-Down, 28" x 60")	RXRN-AD88	MERV 13 Filter	RXMF-M13A2250
Concentric Diffuser (Flush, 18" x 36")	RXRN-AD80	Modulating Motor Kit w/position feedback for RXRF-KFA1	RXRX-AW05
Downflow Economizer w/Single Enthalpy (DDC)	AXRD-01RGDAM3	Non-Powered Convenience Outlet	RXRX-AN01
Downflow Economizer w/Smoke Detector (DDC)	AXRD-01RGDBM3	Power Exhaust (208/230V)	RXRX-BGF05C
Horizontal Economizer w/Single Enthalpy	AXRD-01RGHAM3	Power Exhaust (460V)	RXRX-BGF05D
Downflow Transition (Rect. to Rect., 18" x 36")	RXMC-CJ07	Roofcurb, 14"	RXKG-CBH14
Downflow Transition (Rect. to Rect., 24" x 48")	RXMC-CK08	Roofcurb Adapter to RXRK-E56	RXRX-CJCE56
Downflow Transition (Rect. to Rect., 28" x 60")	RXMC-CL09	Roofcurb Adapter to RXKG-CAF14	RXRX-CJCF14
Dual Enthalpy Kit	RXRX-AV04	Room Humidity Sensor	RHC-ZNS4
Electric Heater Kits (* = C & D Voltage)	RXJJ-CE20*	Room Temperature and Relative Humidity Sensor	RHC-ZNS5
	RXJJ-CE40*	Unfused Service Disconnect	RXRX-AP01
	RXJJ-CE60*		
	RXJJ-CE75*		
Hail Guard Louvers	AXRX-AAD01L		

¹Motorized Kit and Manual Fresh Air Damper must be combined for a complete Motorized Outside Air Damper Selection

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