

Resolute™ Commercial F-Series™  
RACHYB360 Packaged Air Conditioner | 30 Tons



FRIEDRICH  
Commercial Air

Standard Features

- 5 Stages of Cooling
- Variable Air Volume (VAV) Capable (Single- and Multi-zone)
- Scroll Compressors
- Convertible Airflow
- Factory Installed VFD
- Factory Installed ClearControl™ (DDC)
- Fin and Tube Indoor Coil
- MicroChannel Outdoor Coil
- Factory Standard Hinged Access Panels
- Qwik-Clean Drain Pan
- Slide-Out Blower Assembly
- Factory Installed Refrigerant Leak Detection System
- Designed for Low-GWP Refrigerant R-454B

Capacities  
Tons

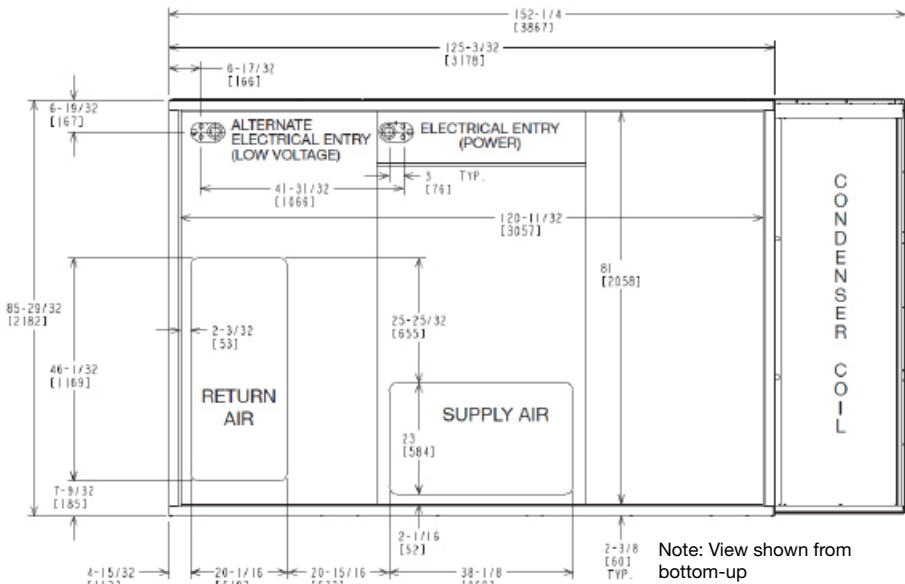
30

Power Options  
V, PH

208/230 V, 3 PH  
460 V, 3 PH  
575 V, 3 PH

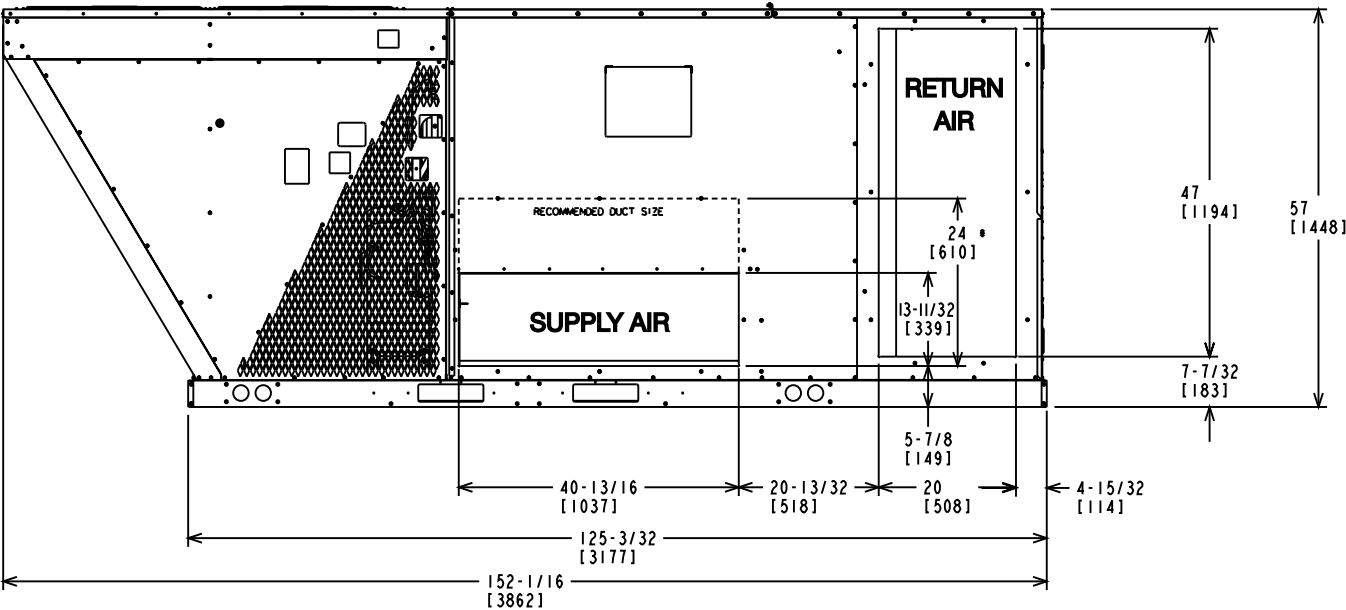
Information provided for pre-sale only.  
Products will not be produced or shipped until ratings are certified to the Department of Energy.

Specifications and Diagrams



Specification	Unit	RACHYB360
Nominal Cooling Capacity	Btu/h [kW]	360,000 [105.51]
Net Cooling Capacity	Btu/h [kW]	330,000 [96.71]
Net Sensible Capacity	Btu/h [kW]	231,000 [67.70]
Net Latent Capacity	Btu/h [kW]	99,000 [29.01]
Stages of Heating / Cooling		2 / 5
EER / IEER		10.0 / 13.2
Nominal Airflow	CFM [L/s]	11,000 [5,191.42]
Estimated Net Weight	lbs. [kg]	2,500 [1,134]
Estimated Shipping Weight	lbs. [kg]	2,625 [1,191]

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



•RECOMMENDED DUCT SIZE

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

**Model Number**

**Nomenclature**

**1 - Brand**  
R = Friedrich

**2, 3 - Unit Type**  
AC = Packaged AC

**4 - Cabinet Type**  
H = Large Commercial

**5 - Refrigerant**  
Y = R-454B

**6 - Efficiency Level**  
B = Standard Efficiency

**7, 8, 9 - Capacity**  
360 = 30 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**  
00 = No Heat  
40 = 40 kW  
60 = 60 kW  
75 = 75 kW

**15 - Heat Configuration**  
0 = No Heat  
1 = 1-Stage  
2 = 2-Stage

**16 - Control**  
C = ClearControl & Phase Monitor  
D = ClearControl & Comfort Alert®

**17 - Minor Series**  
A = 1st Design

**18, 19, 20, 21 - Option Code**  
See below

**R** **AC** **H** **Y** **B** **360** **A** **C** **G** **40** **0** **C** **A** **\*\*\*\***

**1** **23** **4** **5** **6** **789** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21**

18				19			20			21	
LV = Louver Protection HA = Hinged Access CC = Condenser Coil Coating				NP = Non-Powered Convenience Outlet LF = Low Ambient & Freeze Stat			EC = DDC Single Enthalpy Economizer with Barometric Relief (Downflow Only) RS = Return Smoke			M8 = MERV 8 Filter M13 = MERV 13 Filter	
Option Code Character Highlighted											
C	HA			A	None		0	None		A	None
D	LV	HA		B	LF		1	EC		D	M8
F	LV	HA	CC	C	NP		3	EC	RS	G	M13
				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
Communication Card, BACnet	RXXR-AY01	Power Exhaust (230V) Kit, Convertible (RRS)	RXXR-BGF05C
Communication Card, LonWorks	RXXR-AY02	Power Exhaust (460V) Kit, Convertible (RRS)	RXXR-BGF05D
Concentric Diffuser (Flush, 18" x 36")	RXRN-AD80	Power Exhaust (575V) Kit, Convertible (RRS)	RXXR-BGF05Y
Concentric Diffuser (Step-Down, 18" x 36")	RXRN-AD81	Freeze Stat Kit	RXXR-AM05
Concentric Diffuser (Step-Down, 24" x 48")	RXRN-AD86	Fresh Air Damper, 2-Position Motorized Kit for	RXRF-AW03
Concentric Diffuser (Step-Down, 28" x 60")	RXRN-AD88	Fresh Air Damper, Manual	AXRF-KFA1
Concentric Diffuser Downflow Transition (Rect. To Rect., 18" x 36")	RXMC-CJ07	Low-Ambient Control Kit DDC (1 Per Compressor)	RXRZ-C02
Concentric Diffuser Downflow Transition (Rect. To Rect., 24" x 48")	RXMC-CK08	MERV 8 Filter	RXMF-M08A22520
Concentric Diffuser Downflow Transition (Rect. To Rect., 28" x 60")	RXMC-CL09	MERV 13 Filter	RXMF-M13A22520
Convenience Outlet, Unwired	RXXR-AN01	Modulating Motor Kit for AXRF-KFA1	RXRF-AW05
Dual Enthalpy Kit	RXXR-AV02	Outdoor Coil Louver Kit	AXRX-AAD01L
Non-DDC Economizer with Single Enthalpy (Downflow) Ruskin Rooftop Systems Economizer with Honeywell Controller	AXRD-01RGDAM3	Roofcurb, 14"	RXKG-CBH14
Non-DDC Economizer with Single Enthalpy (Horizontal) Ruskin Rooftop Systems Economizer with Honeywell Controller	AXRD-01RGHAM3	Sensor, Carbon Dioxide (Wall Mount)	RXXR-AR02
Non-DDC Economizer with Single Enthalpy (Downflow) Ruskin Rooftop Systems with Siemens Controller	AXRD-51MHDAM3	Sensor, Room Humidity	RHC-ZNS4
Non-DDC Economizer with Single Enthalpy (Horizontal) Ruskin Rooftop Systems with Siemens Controller	AXRD-51MHHAM3	Sensor, Room Temperature and Relative Humidity	RHC-ZNS5
	RXJJ-CE20*	Smoke Detector, Return (Downflow/Vertical)	RXXR-BSH1
Electric Heater Kits	RXJJ-CE40*	Smoke Detector, Return/Supply (Downflow/Vertical)	RXXR-BSH3
(* = C, D, or Y Voltage)	RXJJ-CE60*		
	RXJJ-CE75*		

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