

Resolute™ Commercial Classic® Series

RHPHYB Packaged Heat Pump | 15 & 20 Tons

Standard Features

- Convertible Airflow
- Factory Installed VFD
- Factory Installed ClearControl™ (DDC)
- Fin and Tube Indoor and Outdoor Coils
- Factory Standard Hinged Access Panels
- Qwik-Clean Drain Pan
- Removable Indoor Blower Assembly
- Factory Installed Refrigerant Leak Detection System
- Designed for Low-GWP Refrigerant R-454B



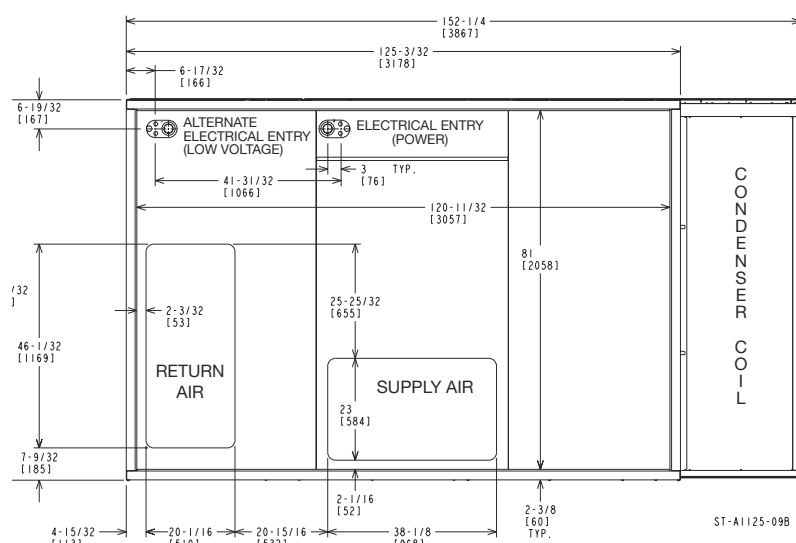
Commercial Air

Capacities
Tons 15 & 20

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.

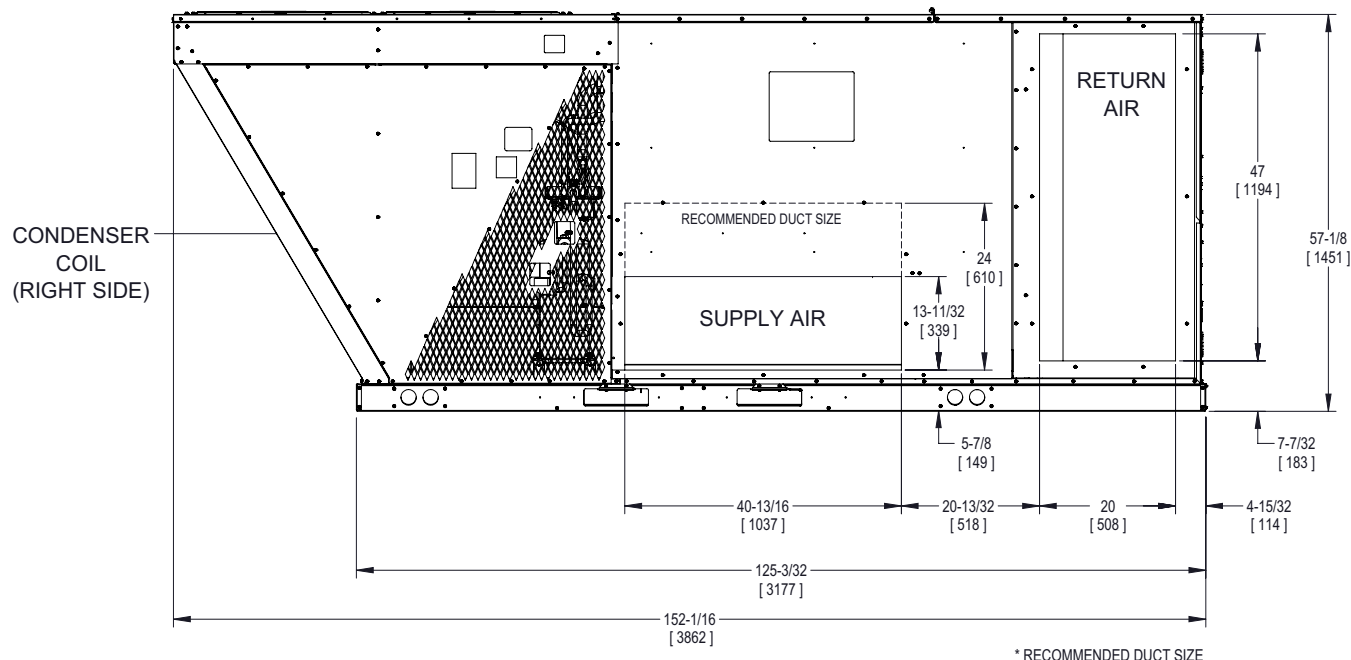
Specifications and Diagrams



Note: View shown from
bottom-up

Specification	Unit	RHPHYB180	RHPHYB240
Nominal Cooling Capacity	Btu/h [kW]	180,000 [52.4]	240,000 [70.34]
Net Cooling Capacity	Btu/h [kW]	172,000 [50.4]	240,000 [70.34]
Net Sensible Capacity	Btu/h [kW]	129,000 [37.81]	180,000 [52.75]
Net Latent Capacity	Btu/h [kW]	43,000 [12.6]	60,000 [17.58]
Stages of Heating / Cooling		2 / 2	2 / 2
EER / IEER		10.6 / 13.5	9.5 / 12.5
COP @ 47°F / 17°F		3.3 / 2.05	3.3 / 2.05
Nominal Airflow	CFM [L/s]	6,000 [2,832]	8,000 [3,776]
Estimated Net Weight	lbs. [kg]	1,881 [853.2]	1,894 [859]
Estimated Shipping Weight	lbs. [kg]	1,981 [898.6]	1,994 [904]

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



Resolute™ Commercial Classic® Series | Packaged HP

Model Number Nomenclature	<u>R</u>	<u>HP</u>	<u>H</u>	<u>Y</u>	<u>B</u>	<u>180</u>	<u>A</u>	<u>C</u>	<u>E</u>	<u>00</u>	<u>2</u>	<u>B</u>	<u>A</u>	<u>****</u>			
	1	23	4	5	6	789	10	11	12	13 14	15	16	17	18	19	20	21
1 - Brand R = Rheem	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 00 = No Heat 20 = 20 kW 40 = 40 kW 60 = 60 kW 75 = 75 kW				16 - Control B = CoreCommand & Phase Monitor C = ClearControl & Phase Monitor D = ClearControl & Comfort Alert®				
2, 3 - Unit Type HP = Packaged Heat Pump	7, 8, 9 - Capacity 180 = 15 Ton 240 = 20 Ton				12 - Drive F = Belt Drive - VFD Standard G = Belt Drive - VFD Medium				15 - Number of Stages 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 = 21st Design												18, 19, 20, 21 - Option Code See below				
5 - Refrigerant Y = R-454B																	

18			19			20			21		
LV = Louver Protection HA = Hinged Access			NP = Non-Powered Convenience Outlet LF = Low Ambient & Freeze Stat			EC = Single Enthalpy Economizer with Barometric Relief (Downflow Only) SS = Supply & Return Smoke RS = Return Smoke			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	
			C	NP		2	RS		G	M13	
			D	LF	NP	3	EC	RS			
						4	SS				
						5	EC	SS			

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
Comfort Alert (1 Per Compressor) (DDC)	RXXRX-AZ01
Communication Card, BACnet	RXXRX-AY01
Communication Card, LonWorks	RXXRX-AY02
Concentric Diffuser (Flush, 18" x 36")	RXXRN-AD80
Concentric Diffuser (Step-Down, 18" x 36")	RXXRN-AD81
Concentric Diffuser (Step-Down, 24" x 48")	RXXRN-AD86
Concentric Diffuser (Step-Down, 28" x 60")	RXXRN-AD88
Concentric Diffuser Downflow Transition (Rect. to Rect., 18" x 36")	RXXMC-CJ07
Concentric Diffuser Downflow Transition (Rect. to Rect., 24" x 48")	RXXMC-CK08
Concentric Diffuser Downflow Transition (Rect. To Rect., 28" x 60")	RXXMC-CL09
Convenience Outlet, Unwired	RXXRX-AN01
Dual Enthalpy Kit	RXXRX-AV02
DDC Economizer with Smoke Detector (Downflow) <i>Ruskin Rooftop Systems Economizer with Honeywell Controller</i>	AXRD-01RMDCM3
DDC Economizer with Smoke Detector (Horizontal) <i>Ruskin Rooftop Systems Economizer with Honeywell Controller</i>	AXRD-01RMHCM3
Non-DDC Economizer with Single Enthalpy (Downflow) <i>Ruskin Rooftop Systems Economizer with Honeywell Controller</i>	AXRD-01RGDAM3
Non-DDC Economizer with Single Enthalpy (Horizontal) <i>Ruskin Rooftop Systems Economizer with Honeywell Controller</i>	AXRD-01RGHAM3
Electric Heaters (*=C, D, or Y Voltage)	RXXJJ-CE20*
	RXXJJ-CE40*
	RXXJJ-CE60*
	RXXJJ-CE75*

Accessory	Model Number
Fresh Air Damper*, 2-Position Motorized Kit for	RXXRX-AW03
Fresh Air Damper*, Manual	AXRF-KFA1
Freeze Stat Kit	RXXRX-AM05
Hail Guard Louvers	AXRX-AAD01L
Low-Ambient Control Kit DDC (1 Per Compressor)	RXXRZ-C02
Low-Ambient Control Kit Non-DDC (1 Per Compressor)	RXXRZ-A05
MERV 8 Filter	RXXMF-M08A22520
MERV 13 Filter	RXXMF-M13A22520
Modulating Motor Kit for AXRF-KFA1	RXXRF-AW05
Power Exhaust (208/230V)	RXXRX-BGF05C
Power Exhaust (460V)	RXXRX-BGF05D
Power Exhaust (575V)	RXXRX-BGF05Y
Roofcurb, 14"	RXXKG-CBH14
Sensor, Carbon Dioxide (Wall Mount)	RXXRX-AR02
Smoke Detector, Return (Downflow/Vertical)	RXXRX-BSH1
Smoke Detector, Return (Horizontal)	RXXRX-BSH2
Smoke Detector, Return/Supply (Downflow/Vertical)	RXXRX-BSH3
Smoke Detector, Return/Supply (Horizontal)	RXXRX-BSH4

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

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