

F-Series™ Commercial Split

RPCY Heat Pumps

RHCYP Heat Pump Air Handlers



Standard Features

- Scroll Compressors
- Standard Indoor Blower VFD
- Indoor and Outdoor Copper Tube / Aluminum Fin Coil
- Separable Air Handler for Easier Installation
- Air Handlers with Convertible Airflow
- Shipped with a Nitrogen Holding Charge
- RPCY models for use with matching RHCYP models
- Designed for A2L refrigerant R-454B

Capacities	7.5 & 10
<i>Tons</i>	
Power Options	208-230 V, 3 PH
<i>V, PH</i>	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.

Preliminary Information and Accessories

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

Specification			Unit	RPCY2090	RPCY2120
Matching Air Handler			Model	RHCYP2090	RHCYP2120
Gross Cooling Capacity			Btu/h [kW]	85,500 [25.1]	114,000 [33.4]
Net Sensible Capacity			Btu/h [kW]	62,215 [18.2]	84,181 [24.7]
Net Latent Capacity			Btu/h [kW]	23,285 [6.8]	29,819 [8.7]
EER up to				11.0	11.0
IEER up to				14.2	14.2
COP at 47°F / 43°F up to				3.4	3.4
COP at 17°F / 15°F up to				2.25	2.25
MCA (208/230v / 460v / 575v)				39 / 17 / 13	44 / 24 / 21
MCA (208/230v / 460v / 575v)				60 / 25 / 20	70 / 35 / 30
Rated Indoor Airflow			CFM	2,875	4,050
Estimated Weight	RPCY		lbs. [kg]	389 [150]	600 [203]
	RHCYP		lbs. [kg]	330 [150]	447 [203]
Accessories					
MERV 13 Filter (For Air Handlers)				RXMF-M13A11625 (1x16x25)	
				RXMF-M13A21625 (2x16x25)	
MERV 8 Filter (For Air Handlers)				RXMF-M08A11625 (1x16x25)	
				RXMF-M08A21625 (2x16x25)	
Low Ambient Control				RXAD-A08	

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Model Number	<u>R</u>	<u>P</u>	<u>C</u>	<u>Y</u>	<u>2</u>	<u>090</u>	<u>C</u>	<u>A</u>	<u>Z</u>
Nomenclature	1	2	3	4	5	678	9	10	11

Heat Pumps

1 - Brand R = Friedrich	3 - Cabinet Type C = Commercial	5 - Cooling Configuration 2 = 2-stage compressor	9 - Voltage C = 208/230 V, 3PH, 60Hz D = 460 V, 3PH, 60Hz Y = 575 V, 3 PH, 60 Hz	10 - Minor Series A = 1st Design
2 - Unit Type P = Heat Pump	4 - Refrigerant Y = R-454B	6,7,8 - Capacity 090 = 7.5 Ton 120 = 10 Ton		11 - Compressor Z = Scroll compressor

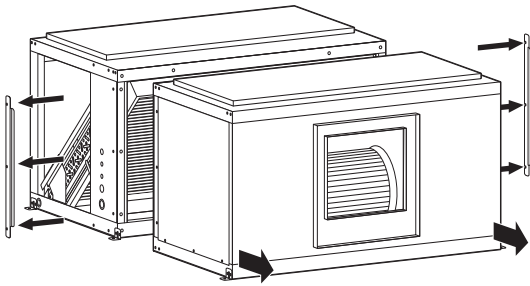
Model Number	<u>R</u>	<u>H</u>	<u>C</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>090</u>	<u>C</u>	<u>A</u>	<u>R</u>
Nomenclature	1	2	3	4	5	6	789	10	11	12

Air Handlers

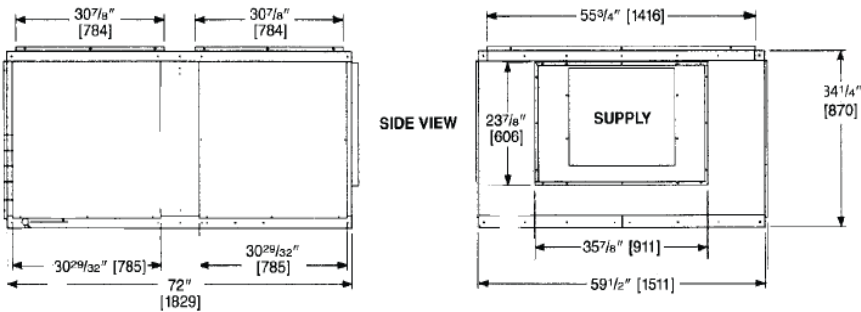
1 - Brand R = Friedrich	4 - Refrigerant Y = R-454B	7,8,9 - Capacity 090 = 7.5 Ton 120 = 10 Ton	10 - Electrical Designation C = 208/230 V, 3 PH, 60 Hz D = 460 V, 3 PH, 60 Hz Y = 575 V, 3 PH, 60 Hz	12 - Drive R = Belt Drive - VFD low static S = Belt Drive - VFD medium static T = Belt Drive - VFD high static
2 - Unit Type H = Air Handler	5 - Heat Type P = Heat Pump		11 - Minor Series A = 1st Design	
3 - Cabinet Type C = Commercial	6 - Airflow Configuration 2 = 2-Stage			

Diagrams

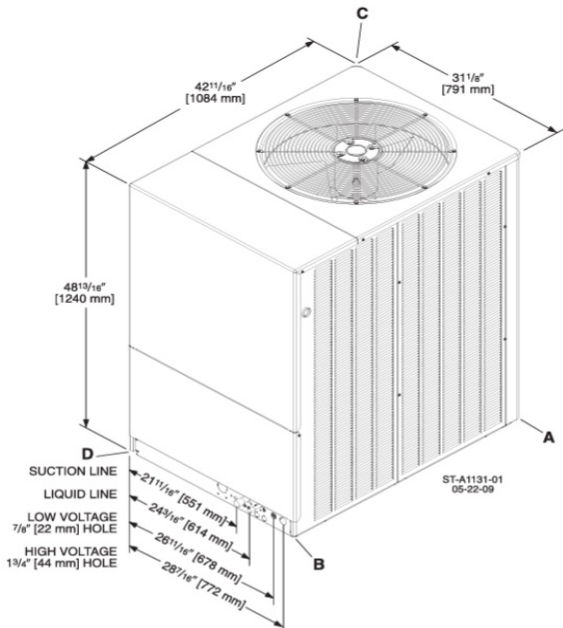
SEPARABLE AIR HANDLER



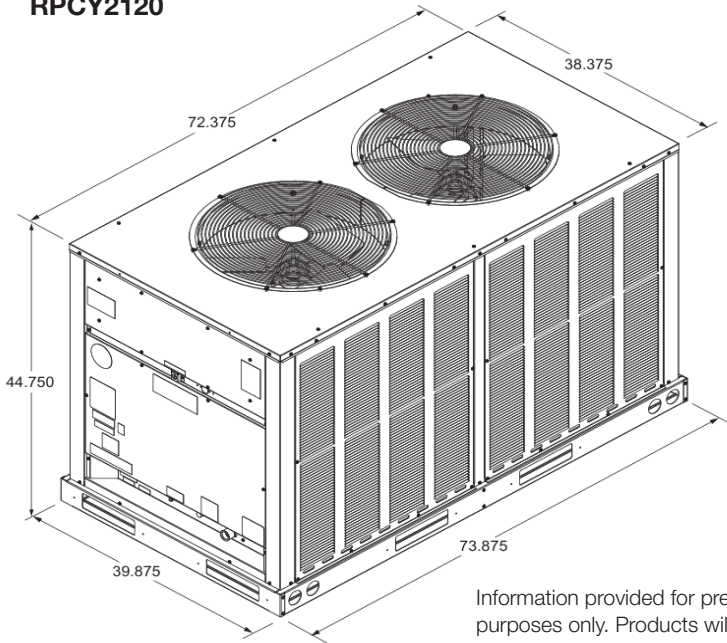
RHCYP2090, RHCYP2120



RPCY2090



RPCY2120



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