



Cased/Uncased Coils For Gas And Oil Furnaces



RCFP- Series

featuring Industry Standard R-410A
Refrigerant
Airflow Capacity
600-1,600 CFM [283-755 L/s]



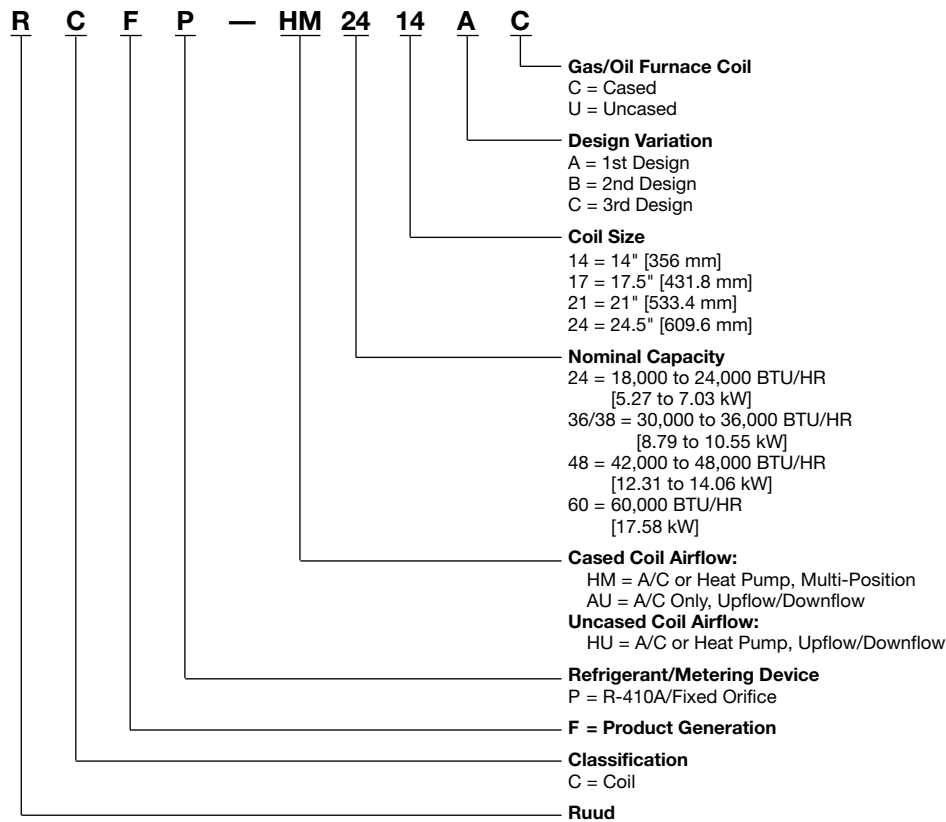
- Ruud® Indoor Coils are designed for use with Ruud outdoor units and are available for vertical upflow or downflow, and horizontal left or horizontal right airflow. When matched with Ruud outdoor units, the coils provide a nominal capacity range from 18,000 BTU/HR [5.24 kW] to 48,000 BTU/HR [14.06 kW].
- Constructed of aluminum fins bonded to internally grooved copper tubing.
- Coils are tested at the factory with an extensive refrigerant leak check.
- Coils have sweat refrigerant connections.
- Ideally suited for new installations or add on air conditioning.
- Feature two sets of 3/4" [14.1 mm] N.P.T. Condensate drain connections for ease of connection.
- Coils are AHRI certified for system application with variety of Ruud outdoor units.
- Condensate drain pan is constructed of high grade, heat resistant, corrosion free thermal-set material.
- Compatible with Germicidal Light System (UV resistant)
- Bi-Directional airflow eliminates the need to switch any internal components from horizontal left to right.
- Unique drain pan design maximizes application flexibility and condensate removal.
- Universal Duct Flanges are included with all coil models.



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Model Number Identification



Available Models of RCFP Coils	
RCFP-HM2417CC	RCFP-HM3621CC
RCFP-HU2417CU	RCFP-HU3621CU
RCFP-AU3617CC	RCFP-HM4821CC
RCFP-HM3617CC	RCFP-HU4821CU
RCFP-HU3617CU	RCFP-HM4824CC
RCFP-AU3621CC	RCFP-HU4824CU

Table 1: Coil Specifications/Airflow Pressure Drop

Coil Model RCFP	Approx. Design Air Flow CFM [L/s] Range	Face Area Sq. Ft. [m²]	Fins-in. Rows Deep	Static Pressure Drop Through Wet Cooling Coil [kPa] (Inches W.C.) CFM [L/s]														
				600 [285]	700 [330]	800 [380]	900 [425]	1000 [470]	1100 [519]	1200 [565]	1300 [614]	1400 [660]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]	
HIGH EFFICIENCY COOLING COILS																		
2417	600/1000 [283/472]	4.56 [0.42]	16/2	.15 [.039]	.19 [.049]	.23 [.059]	.30 [.076]	.38 [.096]	.45 [.113]	—	—	—	—	—	—	—	—	
3617	900/1400 [424/661]	5.70 [0.53]	16/2	—	—	.17 [.043]	.21 [.053]	.26 [.064]	.31 [.080]	.36 [.092]	.41 [.103]	—	—	—	—	—	—	
3621	900/1400 [424/661]	5.70 [0.53]	16/2	—	—	.15 [.038]	.18 [.047]	.23 [.058]	.27 [.069]	.31 [.080]	.37 [.094]	—	—	—	—	—	—	
4821	1200/1800 [566/850]	8.55 [0.79]	16/2	—	—	—	—	—	—	.22 [.056]	.25 [.063]	.28 [.071]	.32 [.081]	.36 [.092]	.41 [.103]	—	—	
4824	1200/1800 [566/850]	8.55 [0.79]	16/2	—	—	—	—	—	—	.22 [.056]	.25 [.063]	.28 [.071]	.32 [.081]	.32 [.081]	.41 [.103]	—	—	

NOTE: Represents Coil-Only Airflow Ratings

[] Designates Metric Conversions

Table 2: Coil Dimensions and Weights

Coil Model RCFP	Connections		Cased Coil Dimensions (in) [mm]			Weight	
	Sweat (in.) [mm]						
	Liquid	Suction	A	B	C	Coil Weight (lbs.) [Kg.]	Shipping Weight (lbs.) [Kg.]
	I.D.	I.D.					
2417	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	14 1/2 [368]	20 [508]	46 [21]	51 [23]
3617	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	17 7/8 [454]	20 [508]	52 [24]	57 [26]
3621	3/8 [9.53]	3/4 [19.05]	21 [533]	17 1/2 [445]	20 [508]	54 [24]	60 [27]
4821	3/8 [9.53]	7/8 [22.23]	21 [533]	25 7/8 [657]	28 [711]	76 [34]	83 [38]
4824	3/8 [9.53]	7/8 [22.23]	24 1/2 [622]	25 3/8 [645]	32 [812]	89 [40]	99 [45]

FIGURE 1: DIMENSIONS

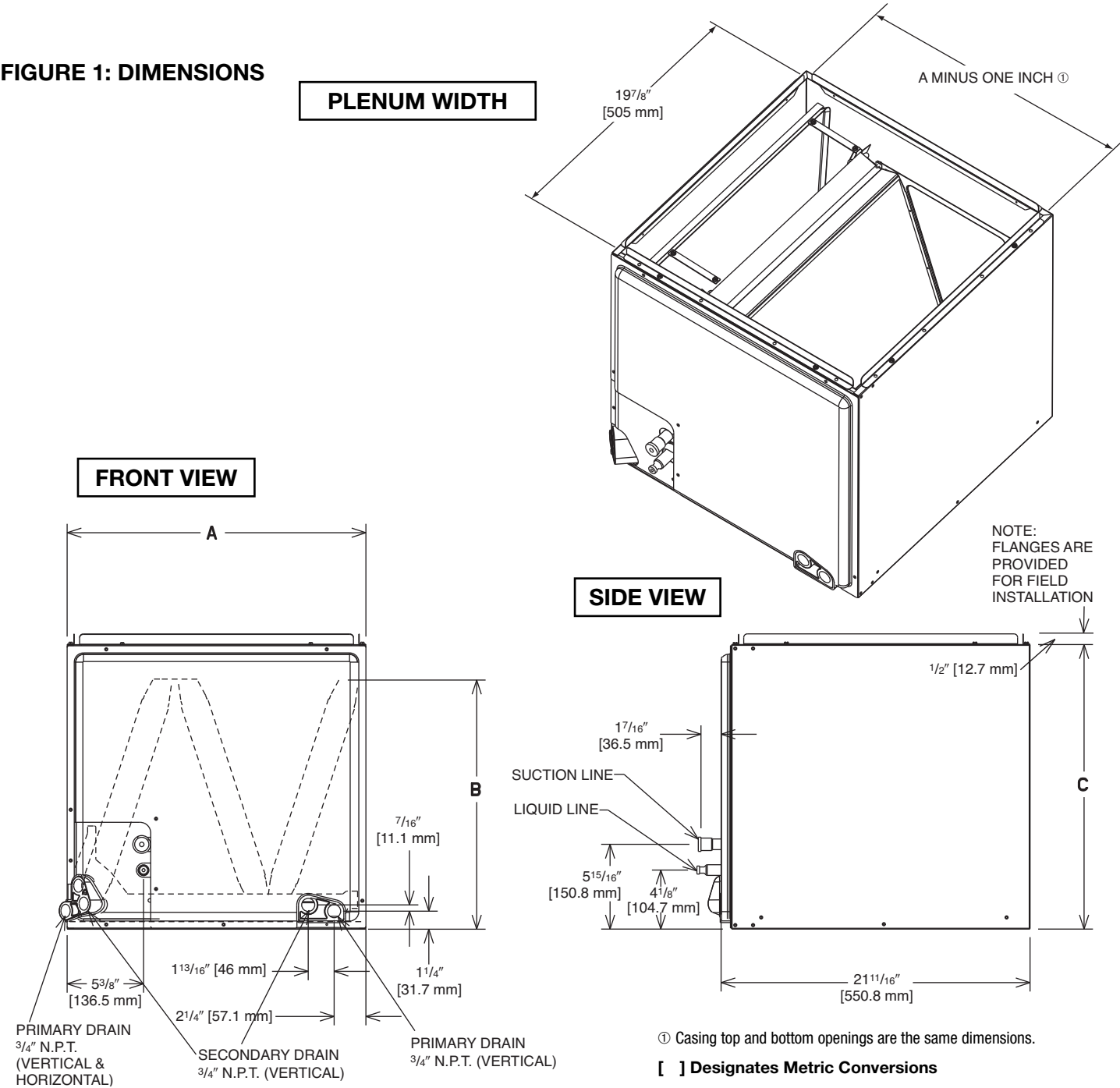


Table 3: Coil Application

Coils can be matched to heating products as listed in table below.

Coil Model RCFP	Furnace Width (In.) (mm)	
	Oil	Gas
2417 3617	—	14 [356]
2417 3617	21 [533]	17½ [444]
		14 [356]
3621 4821	21 [533]	21 [533]
		17½ [444]
4824	24½ [622]	24½ [622]
		21 [533]

*Note: Due to the proximity of the drain pan to the high temperature oil furnace drain, horizontal left application is not permitted on all oil furnaces.

• PLENUM ADAPTER ACCESSORY RXBA-AE

This plenum adapter accessory is for use with the 24½" wide cased indoor cooling and heat pump coils. This allows a 24½" wide cased coil to be installed on a 28" wide oil furnace. This is a field-installed accessory only.

• RXBA-AC (Upflow/Horizontal)

These plenum adapter accessories are for use when a cooling coil is matched with a gas furnace of one smaller size.

• HORIZONTAL ADAPTER KIT RXHH (See Figure 2)

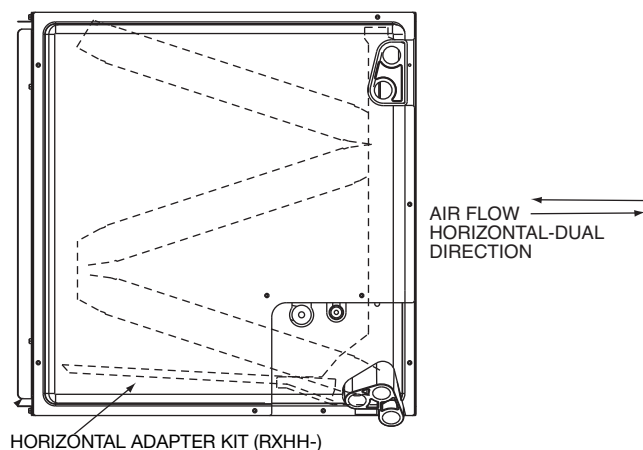
This horizontal adapter kit is used to convert a upflow or downflow coil for a horizontal application. See Table 4 to order the proper horizontal adapter kit.

*Note: The horizontal adapter kit cannot be used for RCFP-AU****BC applications. It can only be used on RCFP-AU****AC applications and for RCFP-HU****AC applications.

Table 4: Horizontal Adapter Kit Model No.

Coil Model	Horizontal Adapter Kit Model No.
2414	RXHH-A01
2417	RXHH-A02
3617/3621	RXHH-A03
4821/4824	RXHH-A04

FIGURE 2: HORIZONTAL ADAPTER KIT ILLUSTRATION



• INDOOR COIL CASING- RXBC (See Table 5)

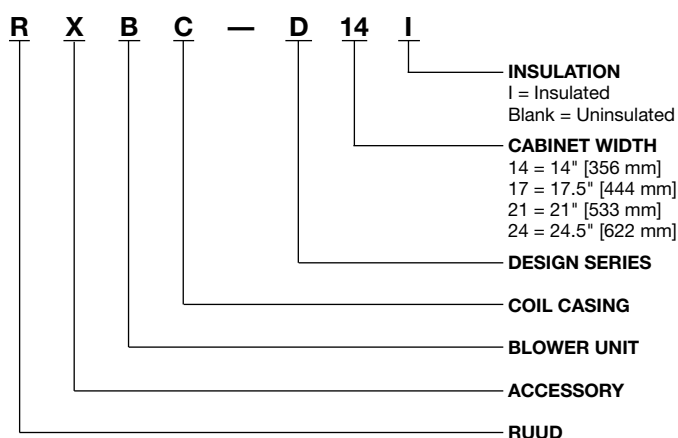


Table 5: Unit Dimensions and Weights- RXBC Indoor Coil Casings

Model Number	Width (in.) [mm]	Height (in.) [mm]	Depth (in.) [mm]	Unit Weight		Supply Air/Return Air Openings	
				Weight (lbs.) [Kg.]	Ship. Wt. (lbs.) [Kg.]	Width (in.) [mm]	Depth (in.) [mm]
RXBC-D14AI	14 [356]	23⅞ [589]	21⅝ [549]	19 [9]	23 [10]	13 [330]	19⅜ [508]
RXBC-D17AI	17½ [445]	20 [508]		18 [8]	23 [10]	16½ [419]	
RXBC-D21AI	21 [533]	20 [508]		20 [9]	26 [12]	20 [508]	
RXBC-D21BI	21 [533]	28 [711]		27 [12]	36 [17]	20 [508]	
RXBC-D24AI	24½ [622]	32½ [826]		34 [16]	44 [20]	23½ [597]	

Table 6: Uncased Coil Adapter Kit

Uncased Coil Adapter Model Number RXBA	A Width (in.) [mm]	Uncased Coil Model RCFP
B14x20	13⅞ [333]	-HUxx14
B17x20	16⅝ [422]	-HUxx17
B21x20	20⅞ [511]	-HUxx21
B24x20	23⅝ [599]	-HUxx24

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Accessories (cont.)

• UNCASSED COIL ADAPTER KIT

RXBA- (See Figure 3 & 4)

This uncased coil adapter kit is used to adapt the coil to a furnace or ductwork. See Table 6 to order the proper adapter kit. Each kit contains a quantity of 20 adapters.

FIGURE 3: UNCASSED COIL ADAPTER KIT ILLUSTRATION

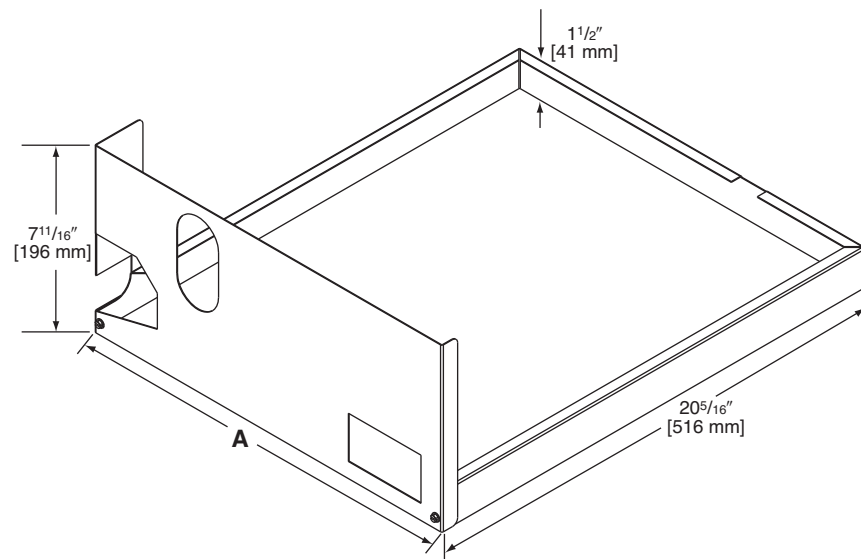
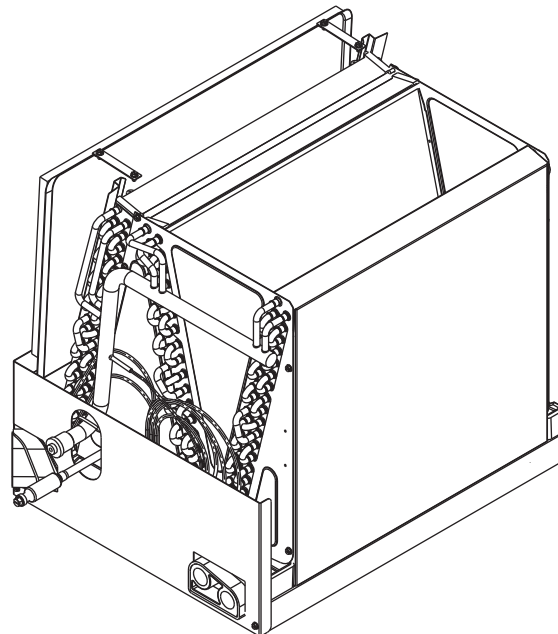


FIGURE 4: UNCASSED COIL ADAPTER KIT ASSEMBLED



Note: Sliding the coil into the coil rail before attaching coil rack front.

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In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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