# INDOOR COILS

RCFA- featuring
R-22 Refrigerant
RCFL- featuring
Earth-Friendly
R-410A Refrigerant











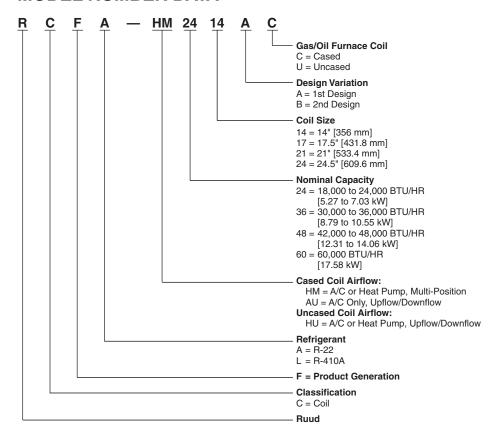
# CASED/UNCASED COILS FOR GAS AND OIL FURNACES

# AIRFLOW CAPACITIES 600-1,900 CFM [283-897 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 60,000 BTU/HR [17.58 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 <sup>3</sup>/<sub>4</sub>" [14.1 mm] N.P.T. Condensate drain connections for ease of connection.
- Coils are A.R.I. 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.

### **MODEL NUMBER DATA**



Available Models	of RCFA(L) Coils
RCFA(L)-HM2414AC	RCFA(L)-AU4821BC
RCFA(L)-HM2417AC	RCFA(L)-AU4824BC
RCFA(L)-HM3617AC	RCFA(L)-AU6024BC
RCFA(L)-HM3621AC	RCFA(L)-HU2414AU
RCFA(L)-HM4821AC	RCFA(L)-HU2417AU
RCFA(L)-HM4824AC	RCFA(L)-HU3617AU
RCFA(L)-HM6024AC	RCFA(L)-HU3621AU
RCFA(L)-AU2414BC	RCFA(L)-HU4821AU
RCFA(L)-AU2417BC	RCFA(L)-HU4824AU
RCFA(L)-AU3617BC	RCFA(L)-HU6024AU
RCFA(L)-AU3621BC	

**Table 1: Coil Specifications/Airflow Pressure Drop** 

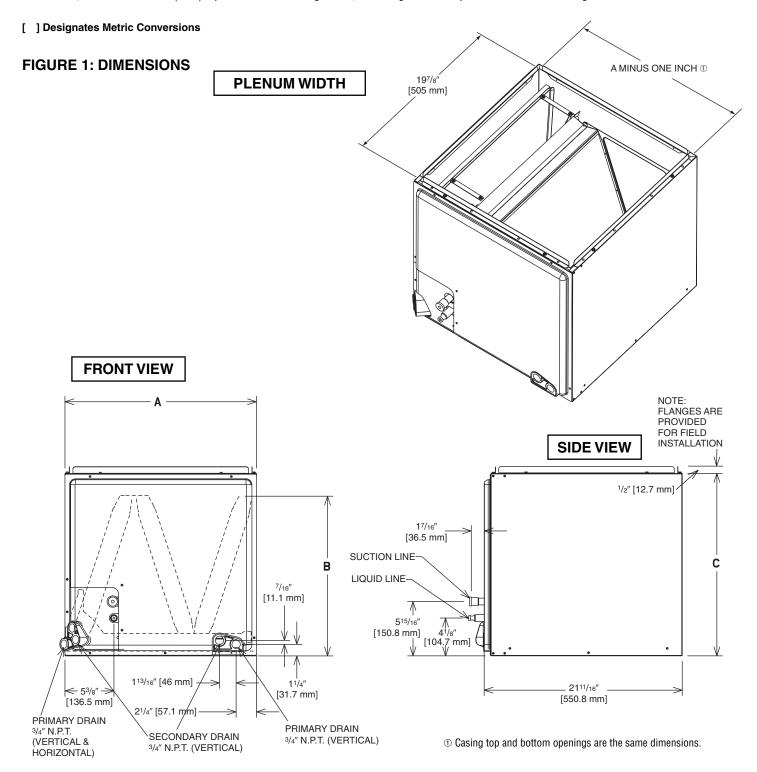
		<u> </u>															
Coil Model	Approx. Design	Face Area	Fins-in.							CFM [L/s]							
RCFA/ RCFL	Air Flow CFM [L/s] Range	Sq. Ft. Deep	600 [285]	700 [330]	800 [380]	900 [425]	1000 [470]	1100 [519]	1200 [565]	1300 [614]	1400 [660]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]	
HIGH E	FFICIENCY	COOL	NG COI	LS													
2414	600/1000 [283/472]	4.56 [0.42]	16/2	.17 [.043]	.21 [.053]	.25 [.063]	.31 [.080]	.40 [.100]	.46 [.117]	_	_	_	_	_	_	_	_
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]	_	_
6024	1600/1900 [755/897]	9.98 [0.93]	14/3	_	_	_	_	_	_	_	_	_	_	.27 [.070]	.30 [.076]	.34 [.084]	.37 [.094]

NOTE: Represents Coil-Only Airflow Ratings

**Table 2: Coil Dimensions and Weights** 

Coil		ections in.) [mm]	Cased Coil Dimensions (in) [mm]			/eight	
Model RCFA/RCFL	Liquid	Suction	A	A B C		Coil Weight	Shipping Weight
	I.D.	I.D.	^		U	(lbs.) [Kg.]	(İbs.) [Kg.]
2414*	3/8 [9.53]	3/4 [19.05]	14 [356]	21 [533]	233/16 [584]	46 [21]	50 [23]
2417	3/8 [9.53]	<sup>3</sup> / <sub>4</sub> [19.05]	17 <sup>1</sup> /2 [445]	141/2 [368]	20 [508]	46 [21]	51 [23]
3617	3/8 [9.53]	<sup>3</sup> / <sub>4</sub> [19.05]	17 <sup>1</sup> /2 [445]	177/8 [454]	20 [508]	52 [24]	57 [26]
3621	3/8 [9.53]	<sup>3</sup> / <sub>4</sub> [19.05]	21 [533]	17 <sup>1</sup> / <sub>2</sub> [445]	20 [508]	54 [24]	60 [27]
4821	3/8 [9.53]	<sup>7</sup> /8 [22.23]	21 [533]	25 <sup>7</sup> /8 [657]	28 [711]	76 [34]	83 [38]
4824	3/8 [9.53]	7/8 [22.23]	241/2 [622]	253/8 [645]	32 [812]	89 [40]	99 [45]
6024	3/8 [9.53]	7/8 [22.23]	24 <sup>1</sup> / <sub>2</sub> [622]	301/4 [768]	32 [812]	108 [49]	118 [55]

<sup>\*</sup>The 14 inch, 2 ton RCFA/RCFL coil (2414) is part of the "N-Coil" design series, even though the coil shape resembles an "A" coil design.



## **Table 3: Coil Application**

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

Coil Model RCFA/RCFL	Furnace Width (In.) (mm)					
noi A/noi L	Oil	Gas				
2414 2417 3617	_	14 [356]				
2417 3617	21 [533]	17 <sup>1</sup> / <sub>2</sub> [444] 14 [356]				
3621 4821	21 [533]	21 [533] 17 <sup>1</sup> / <sub>2</sub> [444]				
4824 6024	241/2 [622]	24 <sup>1</sup> / <sub>2</sub> [622] 21 [533]				

<sup>\*</sup>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.

#### Accessories

# • PLENUM ADAPTER ACCESSORY RXBA-AE

This plenum adapter accessory is for use with the 241/2" wide cased indoor cooling and heat pump coils. This allows a 241/2" 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)

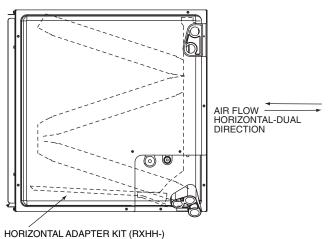
This horizontal adapter kit is used to convert a upflow or downflow coil for a horizontal application. See Table 4 to order the proper horizontal adapter kit.

\*Note: The horizontal adapter kit cannot be used for RCFA/RCFL-AU\*\*\*\*BC applications. It can only be used on RCFA/RCFL-AU\*\*\*\*AC applications and for RCFA/RCFL-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
6024	RXHH-A05

FIGURE 2: HORIZONTAL ADAPTER KIT ILLUSTRATION



• INDOOR COIL CASING- RXBC (See Table 5)

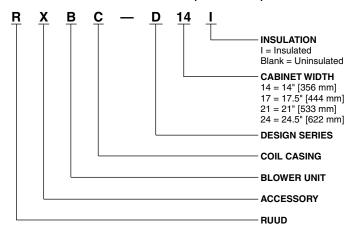


Table 5: Unit Dimensions and Weights- RXBC Indoor Coil Casings

	3 9						
Model	Width	Height	Depth	Unit V	Veight	Supply Air/ Air Open	
Number	(in.) [mm]		(in.) [mm]	Weight (lbs.) [Kg.]	Ship. Wt. (lbs.) [Kg.]	Width (in.) [mm]	Depth (in.) [mm]
RXBC-D14AI	14 [356]	233/16 [589]		19 [9]	23 [10]	13 [330]	
RXBC-D17AI	171/2 [445]	20 [508]	0.457	18 [8]	23 [10]	161/2 [419]	40047
RXBC-D21AI	21 [533]	20 [508]	21 <sup>5</sup> / <sub>8</sub> [549]	20 [9]	26 [12]	20 [508]	19 <sup>31</sup> / <sub>32</sub> [508]
RXBC-D21BI	21 [533]	28 [711]	[0.0]	27 [12]	36 [17]	20 [508]	[000]
RXBC-D24AI	241/2 [622]	321/2 [826]		34 [16]	44 [20]	231/2 [597]	

#### [ ] Designates Metric Conversions

# Accessories (cont.)

# • UNCASED 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: UNCASED COIL ADAPTER KIT ILLUSTRATION

Table 6: Uncased Coil Adapter Kit							
Uncased Coil Adapter Model Number RXBA	A Width (in.) [mm]	Uncased Coil Model RCFA/L					
B14x20	131/8 [333]	-HUxx14					
B17x20	16 <sup>5</sup> /8 [422]	-HUxx17					
B21x20	201/8 [511]	-HUxx21					
B24x20	235/8 [599]	-HUxx24					

[ ] Designates Metric Conversions

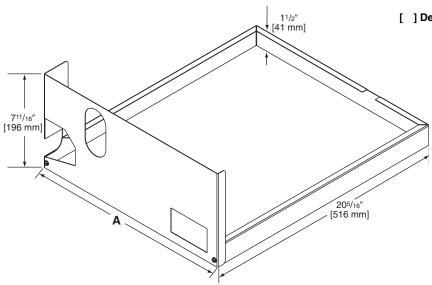
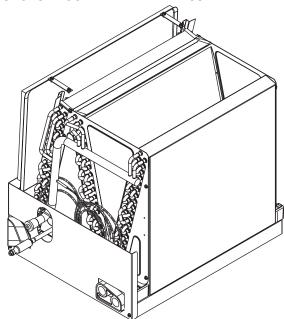


FIGURE 4: UNCASED COIL ADAPTER KIT ASSEMBLED



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

## **NOTES**

## **NOTES**

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

### **RUUD AIR CONDITIONING DIVISION**

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