

Uncased Multiflex Replacement Coils





RCBA/RCHL- Series

featuring Industry Standard R-410A Refrigerant Airflow Capacity 600-2,000 CFM [283-944 L/s]





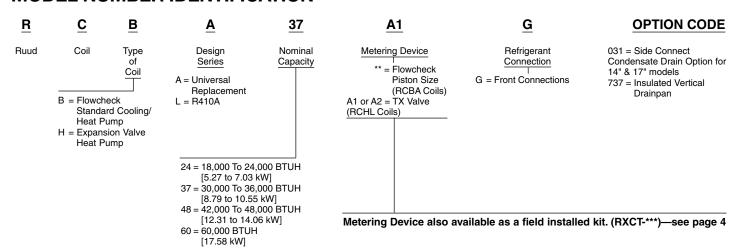
- Ruud® Indoor Coils are designed for use with Ruud outdoor units and are available for vertical upflow or downflow, and horizontal left or horizontal right airflow. When matched with Ruud outdoor units, the coils provide a nominal capacity range from 18,000 BTU/HR [5.24 kW] to 60,000 BTU/HR [17.58 kW].
- The patented single-row, single-coil pleated concept results in extremely low pressure drops and corresponding easy cleaning.
- Front refrigerant and drain connection add to ease of installation.
- Constructed of aluminum fins bonded to internally grooved copper tubing.
- Available tin plated copper tubing in the finned area for superior corrosion resistance in harsh environments.

- Coils have sweat refrigerant connections.
- 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



| Models Available | | | | | |
|-------------------------|-------------|--|--|--|--|
| RCBA-2457G* RCHL-24A2G* | | | | | |
| RCBA-3765G* | RCHL-36A1G* | | | | |
| RCBA-4882G* | RCHL-48A1G* | | | | |
| RCBA-6089G* | RCHL-60A1G* | | | | |

[] Designates Metric Conversions

^{*}Option Code if Applicable

RXCT- EXPANSION VALVE CONVERSION KIT FOR RCBA INDOOR COILS

Use an expansion valve kit to convert RCBA- indoor coils to RCGA-/RCGJ-/RCHA- and RCHJ- Coils

| | R-22 TXV KIT APPLICATION GU | JIDELINE | | |
|---------------------|------------------------------|--|--|--|
| TXV KIT #: RXCT- | PLUS BASE COIL | MAKES REPLACEMENT COIL FOR THESE MODELS | | |
| | | RCGA-24A1 | | |
| | RCBA-24 | RCGA-24A2 | | |
| | | RCHA-24A1 | | |
| CHA | | RCHA-24A2 | | |
| СПА | DCDA 07 | RCGJ-24A1 | | |
| | | RCGJ-24A2 | | |
| | RCBA-37 | RCHJ-24A1 | | |
| | | RCHJ-24A2 | | |
| | | RCGA-36A1 | | |
| | DCD 4 07 | RCGA-36A2 | | |
| | RCBA-37 | RCHA-36A1 | | |
| CLIC | | RCHA-36A2 | | |
| CHC | | RCGJ-36A1 | | |
| | DODA 40 | RCGJ-36A2 | | |
| | RCBA-48 | RCHJ-36A1 | | |
| | | RCHJ-36A2 | | |
| CHF | (2) RCBA-60 | RCHJ-51A1A | | |
| 0110 | (O) DODA 00 | RCGJ-61A1A | | |
| CHG | (2) RCBA-60 | RCHJ-61A1A | | |
| | | RCGA-60A1 | | |
| | | RCGJ-60A1 | | |
| CHJ | RCBA-60 | RCGJ-60A2 | | |
| | | RCHA-60A1 | | |
| | | RCHJ-60A1 | | |
| | DCDA 40 | RCGA-48A1 | | |
| | RCBA-48 | RCHA-48A1 | | |
| CHL | | RCGJ-48A1 | | |
| | RCBA-60 | RCHJ-48A1 | | |
| | | RCHJ-48A2 | | |
| | R-410A TXV KIT APPLICATION O | GUIDELINE | | |
| TXV KIT #: RXCT- | PLUS BASE COIL | MAKES REPLACEMENT COIL FOR THESE MODELS | | |
| DHA | RCBA-37 | RCHL-24A2 | | |
| DUR | | RCHL-36A1 | | |
| DHB | RCBA-48 | RCHL-36A2 | | |
| D110 | DODA 00 | RCHL-48A1 | | |
| DHC | RCBA-60 | RCHL-48A2 | | |
| DHD | RCBA-60 | RCHL-60A1 | | |

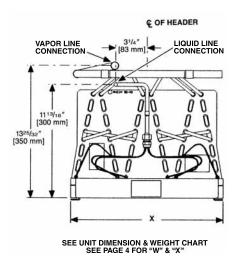
Kits may be used for conversion of side or front connect with the exception of the RXCT-CHF and RXCT-CHG, which is side connect only.

[] Designates Metric Conversions

UNIT DIMENSIONS & WEIGHTS —

| | UNCASED | CONNECTION SIZE (IN.) [mm] SWEAT | | UNIT WEIGHT (LBS.) [Kg] | |
|-----------------|--------------------------------------|--|-----------------|-------------------------|------------|
| MODEL NUMBER | COIL "X" IN. [mm] | | | UNCASED COIL | |
| NOMBER | | LIQUID I.D. | SUCTION I.D. | WT. | SHIP WT. |
| RCBA-24 | 12 ¹ / ₄ [311] | | 3/4 [19] | 15 [6.80] | 17 [7.11] |
| RCBA-37 | 153/4 [400] | | | 20 [9.07] | 22 [9.98] |
| RCHL-24A2 | 153/4 [400] | | | 21 [9.53] | 23 [10.43] |
| RCBA-48 | 191/4 [489] | 3/2 [10] | | 26 [11.79] | 29 [13.15] |
| RCHL-36A1 | 191/4 [489] | 3/8 [10] | | 27 [12.25] | 30 [13.61] |
| RCBA-60 | 223/4 [578] | | 7/8 [22] | 32 [14.51] | 35 [15.88] |
| RCHL-48A1 | 223/4 [578] | | | 33 [14.97] | 36 [16.33] |
| RCHL-60A1 | 2274[070] | | | 00[14.07] | 00 [10.00] |

[] Designates Metric Conversions



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PHYSICAL DATA

| COIL MODEL NUMBER | APPROX. DESIGN AIRFLOW RANGE (CFM) [L/s] | FACE AREA (SQ. FT.) [m ²] | FINS/IN. | NUMBER OF SLABS |
|----------------------|---|--|----------|--------------------|
| RCBA-2457 | 600-800 [283.1-377.6] | 5.07 [.471] | | 4 |
| RCHL-24A2 | 600-800 [283.1-377.6] | 7.60 [.706] | | 6 |
| RCBA-3765 | 1000-1200 [471.1-566.3] | 7.60 [.706] | | 6 |
| RCHL-36A1 | 1000-1200 [471.1-566.3] | 10.13 [.941] | 18 | 8 |
| RCBA-4882 | 1400-1600 [660.7-755.1] | 10.13 [.941] | | 8 |
| RCHL-48A1 | 1400-1600 [660.7-755.1] | 12.67 [1.18] | | 10 |
| RCBA-6089/RCHL-60A1 | 2000 [943.9] | 12.67 [1.18] | | 10 |

RCBA-/RCHL-PRESSURE DROP

| Cased Coil Size In. [mm] 14 [355.6] | | 171/2 [444.5] | | 21 [533.4] | | 241/2 [622.3] | | | |
|--|-------------------|--------------------------|--------------|--------------------------|--------------|--------------------|--------------|---------------|---------------|
| No. of Coil Slabs | | 4 | 4 | | 6 8 | | 1 | 10 | |
| Coil Cooling Size -018, -024 | | -018①, -024①, -030, -036 | | -030①, -036①, -042, -048 | | -042①, -048①, -060 | | | |
| Coil Position (Airflow) Up | | Up | Down | Up | Down | Up | Down | Up | Down |
| Static Pressure Drop Through Wet Cooling Coil In. W.C. [kPa] | AIRFLOW CFM [L/s] | | | | | | | | |
| | .05 [.01] | 578 [272.8] | 521 [245.9] | 752 [354.9] | 673 [317.6] | 895 [422.4] | 764 [360.6] | 1005 [474.3] | 885 [417.7] |
| | .10 [.02] | 889 [419.6] | 827 [390.3] | 1113 [525.3] | 977 [461.1] | 1299 [613.1] | 1103 [520.6] | 1559 [437.8] | 1308 [617.3] |
| | .15 [.04] | 1158 [546.5] | 977 [461.1] | 1416 [668.3] | 1244 [587.1] | 1641 [774.5] | 1386 [654.1] | 1939 [915.1] | 1605 [757.5] |
| | .20 [.05] | 1346 [635.2] | 1149 [542.3] | 1647 [777.3] | 1413 [666.9] | 1960 [925.0] | 1637 [772.6] | 2271 [1071.8] | 1883 [888.7] |
| | .25 [.06] | 1546 [729.6] | 1271 [599.8] | 1876 [885.4] | 1633 [770.7] | 2187 [1032.1] | 1826 [861.8] | 2552 [1204.4] | 2134 [1007.1] |
| | .30 [.07] | 1665 [785.8] | 1401 [661.2] | 2065 [974.6] | 1784 [841.0] | 2429 [1146.4] | 2013 [950.0] | 2890 [1363.9] | 2365 [1116.2] |

NOTES: *Air pressure drop for horizontal airflow is the same as that shown for upflow.

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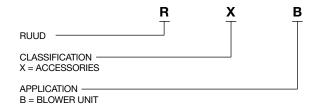
ACCESSORIES

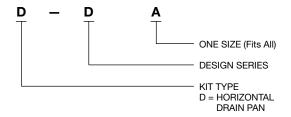
HORIZONTAL DRAIN PAN KIT RXBD-DA

This horizontal drain pan accessory is for installation in cased indoor cooling coils for gas or oil furnaces **ONLY.** This accessory allows an upflow/downflow coil to be converted for horizontal application. The same drain pan fits all RCBA-/RCHJ-/RCHL- coils. (Kit has metal drain pan extension).

HORIZONTAL DRAIN PAN KIT RXBD-CA

This horizontal drain pan accessory is for installation in indoor cooling coils for air handlers **ONLY.** This accessory allows an upflow/downflow coil to be converted for horizontal applications. The same drain pan fits all RCBA-/RCHJ-/RCHL- coils. (Kit has no metal drain pan extension.) (For RCHJ-51A1, RCHL-51A1, RCHJ-61A1 and RCHL-61A1 two pans are required).



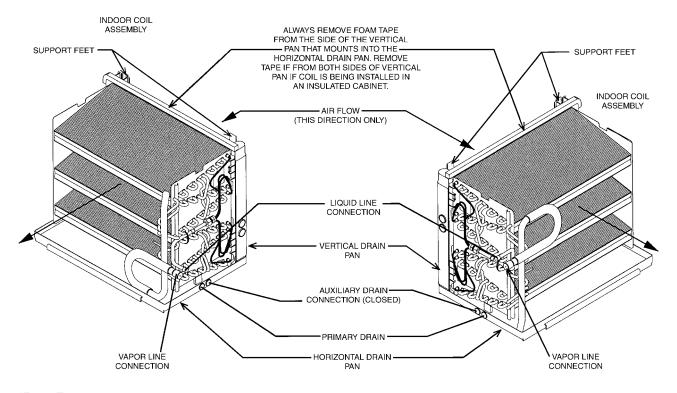


ACCESSORIES (continued)

RCBA-/RCHL- HORIZONTAL INDOOR COIL ASSEMBLY

Figure 1. Indoor coil and drain pan set-up for horizontal left-hand air supply. Designated as (L) in model number. Side connection coil shown.

Indoor coil and drain pan set-up for horizontal right-hand air supply. Designated as (R) in model number. Side connection coil shown.



*Foam Tape

Foam tape is shipped loose with uncased coils.

If uncased coil is installed vertical in a coil casing or air handler, install the foam tape on the sides of the vertical drain pan.

If installed horizontal, **DO NOT** install foam tape on the side of the vertical drain pan that fits into the horizontal drain pan. Remove foam tape, if already attached, from the side of the vertical drain pan that fits into the horizontal drain pan.

If coil, vertical or horizontal, is installed in coil casing or air handler with optional "Florida Insulation," **DO NOT** install foam tape on either side of the vertical drain pan.

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ACCESSORIES (continued)

INTERNAL COUPLER ACCESSORY RXBA-AA AND RXBA-AB

This internal coupler accessory is for installation in cased indoor cooling and heat pump coils. This allows a nominal size coil to be installed in the next larger size casing to be used on a gas or oil furnace. NOTE: This accessory is for installation in coil casings to fit gas or oil furnaces only—this accessory must not be used on electric furnaces or heat pump air handlers. The RXBA-AA can be ordered factory installed by both designating the next size larger casing width and by designating a "with adapter" (B) in the coil model number.

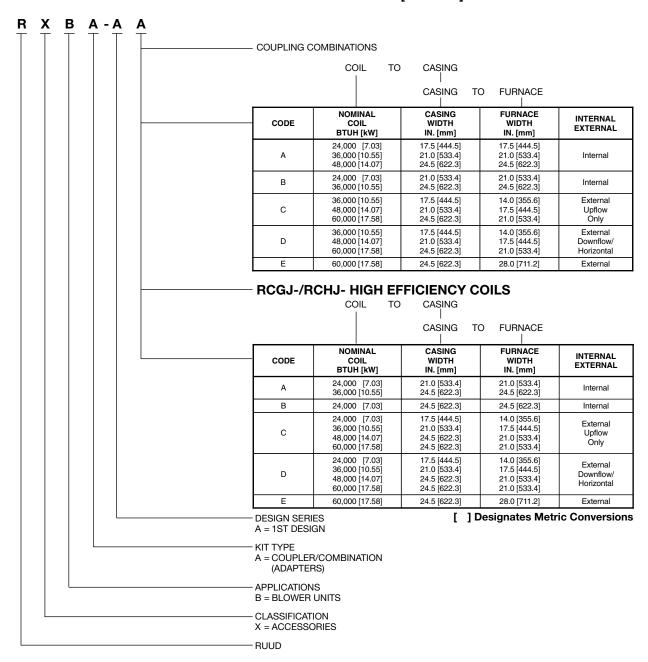
PLENUM ADAPTER ACCESSORY RXBA-AC AND RXBA-AD

This plenum adapter accessory is for installation on cased indoor cooling and heat pump coils. This allows a nominal size

cased coil to be installed on the next smaller size gas or oil furnace. NOTE: This accessory is for installation on coil casings to fit gas or oil furnaces only—this accessory must not be used on electric furnaces or heat pump air handlers. The RXBA-AC (Upflow Only) can be ordered factory installed by designation as "with adapter" (B) in the coil model number. The RXBA-AD for Downflow/Horizontal applications can be ordered separately through the order center.

PLENUM ADAPTER ACCESSORY RXBA-AE

This plenum adapter accessory is for use with the 24.5" [622.3 mm] wide cased indoor cooling and heat pump coils. This allows a 24.5" [622.3 mm] wide cased coil to be installed on a **28"** [711.2 mm] wide oil furnace.



GENERAL TERMS OF LIMITED WARRANTY*

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

Parts.....Five (5) Years Conditional Parts (Registration Required)Ten (10) Years



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

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