The new degree of comfort.™

Cased/Uncased Coils For Gas And Oil Furnaces

(TXV Metering Device Shown)

RCF- Series

featuring Industry Standard R-410A Refrigerant
Airflow Capacity
600-1,900 CFM [283-897 L/s]

- Rheem® Indoor Furnace cased coils and replacement uncased coils are designed for use with Rheem outdoor units and are available for vertical upflow or downflow, and horizontal left or horizontal right airflow. When matched with Rheem outdoor units, the coils provide a nominal capacity range from 18,000 BTU/HR [5.24 kW] to 60,000 BTU/HR [17.6 kW].
- Constructed of aluminum fins bonded to internally grooved aluminum tubing.
- Coils are tested at the factory with an extensive refrigerant leak check.
- Coils have copper sweat refrigerant connections.
- Feature two sets of 3/4" [14.1 mm] N.P.T. Condensate drain connections for ease of connection.
- Chatleff metering device connections, at inlet and outlet of TXV or EEV and equalizer connections (TXV only).
- Approved for system application with variety of Rheem 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.
- N-Coil design maximizes performance and minimizes height required at installation.
- Coils are AHRI certified for system application with a variety of Rheem outdoor units.

Model Number Identification

R C F 24 17 S T A M U A *

Option Code
*TBD

Minor Series**
Component Change
Cost Reduction
Non-performance Changes

Casing
U = Uncased
C = Cased

Orientation
M = Multipoise
V = Vertical only/convertible
H = Ded. Horizontal Only

Major Series*
Feature Set Change
Performance Change

Metering Device
T = TEV
E = EEV
P = Piston

Efficiency
S = Standard Efficiency
M = Mid. Efficiency
H = High Efficiency

Width
14 = 14" [356 mm]
17 = 17.5" [431.8 mm]
21 = 21" [533.4 mm]
24 = 24.5" [609.6 mm]

Capacity
24 – 2 Ton
36 – 3 Ton
48 – 4 Ton
60 – 5 Ton

Type
F = Furnace Coil
H = Air Handler Coil

Product Category
C = Evaporator Coil

Rheem

[ ] Designates Metric Conversions

TXV MODELS AVAILABLE	
RCF2414STAMCA	RCF3624MTAVUA
RCF2417STAMCA	RCF4821STSVUA
RCF2417MTAMCA	RCF4821MTAVUA
RCF2421MTAMCA	RCF4824STAVUA
RCF3617STAMCA	RCF6021STAVUA
RCF3621STAMCA	RCF6024STAVUA
RCF3621MTAMCA	RCF2417HTAMCA
RCF3621HTAMCA	RCF2421HTAMCA
RCF3624MTAMCA	RCF3624HTAMCA
RCF4821STAMCA	RCF4824HTAMCA
RCF4821MTAMCA	RCF6024HTAMCA
RCF4824STAMCA	RCF2417HTAVUA
RCF6021STAMCA	RCF2421HTAVUA
RCF6024STAMCA	RCF3624HTAVUA
RCF2414STAVUA	RCF4824HTAVUA
RCF2417STAVUA	RCF6024HTAVUA
RCF2417MTAVUA	RCF2417SPAVUA
RCF2421MTAVUA	RCF3617SPAVUA
RCF3617STAVUA	RCF3621SPAVUA
RCF3621STAVUA	RCF4821SPAVUA
RCF3621MTAVUA	RCF4824SPAVUA
RCF3621HTAVUA	

EEV MODELS AVAILABLE	
RCF2417SEAMCA	RCF2417SEAVUA
RCF3617SEAMCA	RCF3617SEAVUA
RCF2421MEAMCA	RCF2421MEAVUA
RCF3621MEAMCA	RCF3621MEAVUA
RCF6021SEAMCA	RCF6021SEAVUA
RCF6024MEAMCA	RCF6024MEAVUA

Table 1: Coil Specifications/Airflow Pressure Drop

Coil Model (-)CF	Approx. Design Cooling Air Flow Range CFM [L/s]	Face Area Sq. Ft. [m²]	Fins Per Inch / Rows Deep	Width	Nominal Capacity	Wet Coil Static Pressure Drop (Inches W.C.) [kPa] @ CFM [L/s] – (Coil Only)													
						600 [283]	700 [330]	800 [378]	900 [425]	1000 [472]	1100 [519]	1200 [566]	1300 [614]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [850]	1900 [897]
RCF2414STAM	600/900 [283/425]	4.56 [0.42]	16/2	14	1.5 – 2	0.165	0.209	0.262	0.325	—	—	—	—	—	—	—	—	—	—
RCF2417STAM RCF2417SEAM	600/900 [283/425]	4.56 [0.42]	16/2	17		0.120	0.157	0.199	0.246	—	—	—	—	—	—	—	—	—	—
RCF2417MTAM	600/900 [283/425]	5.70 [.052]	16/2			0.113	0.145	0.181	0.222	—	—	—	—	—	—	—	—	—	—
RCF3617STAM RCF3617SEAM	700/1300 [330/614]	5.70 [0.52]	16/2		2.5 – 3	0.113	0.145	0.181	0.222	0.266	0.315	0.368	—	—	—	—	—	—	—
RCF2421MTAM RCF2421MEAM	600/900 [283/425]	5.70 [0.52]	16/2	21	1.5 – 2	0.113	0.145	0.181	0.222	—	—	—	—	—	—	—	—	—	—
RCF2421HTAM	600/900 [283/425]	5.70 [0.52]	16/2			0.113	0.145	0.181	0.222	—	—	—	—	—	—	—	—	—	—
RCF3621STAM	700/1300 [330/614]	5.70 [0.52]	16/2		2.5 – 3	0.113	0.145	0.181	0.222	0.266	0.315	0.368	—	—	—	—	—	—	—
RCF3621MTAM RCF3621MEAM	700/1300 [330/614]	8.55 [0.79]	16/2			0.062	0.086	0.112	0.140	0.170	0.202	0.236	—	—	—	—	—	—	—
RCF3621HTAM	700/1300 [330/614]	7.60 [0.70]	13/3			0.106	0.125	0.146	0.169	0.194	0.221	0.251	—	—	—	—	—	—	—
RCF4821MTAM	1100/1800 [519/850]	7.60 [0.70]	13/3		3.5 – 4	0.106	0.125	0.146	0.169	0.194	0.221	0.251	0.282	0.315	0.350	0.386	0.425	0.466	—
RCF4821STAM	1100/1800 [519/850]	8.55 [0.79]	16/2			0.062	0.086	0.112	0.140	0.170	0.202	0.236	0.272	0.309	0.349	0.391	0.434	0.480	0.527
RCF6021STAM RCF6021SEAM	1400/1600 [661/755]	7.60 [0.70]	13/3		5	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	—	—
RCF3624MTAM	700/1300 [330/614]	8.55 [0.79]	16/2	24	2.5 – 3	0.062	0.086	0.112	0.140	0.170	0.202	0.236	0.272	0.309	—	—	—	—	—
RCF3624HTAM	700/1300 [330/614]	9.98 [0.93]	14/3			0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	—	—	—	—	—
RCF4824STAM	1100/1800 [519/850]	8.55 [0.79]	16/2		3.5 – 4	0.062	0.086	0.112	0.140	0.170	0.202	0.236	0.272	0.309	0.349	0.391	0.434	0.480	—
RCF4824HTAM	1100/1800 [519/850]	9.98 [0.93]	14/3			0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	—
RCF6024STAM RCF6024MEAM	1400/1800 [661/755]	9.98 [0.93]	14/3		5	0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	—
RCF6024HTAM	1400/1800 [661/755]	9.98 [0.93]	14/3			0.036	0.050	0.065	0.081	0.098	0.117	0.137	0.158	0.180	0.203	0.228	0.254	0.281	—

Important Note: Gas furnace heating CFM can exceed the design cooling CFM. Ductwork and coil selection must accommodate the higher of the cooling or gas heating CFM to prevent furnace limit tripping, excessive noise, and coil freeze-up.

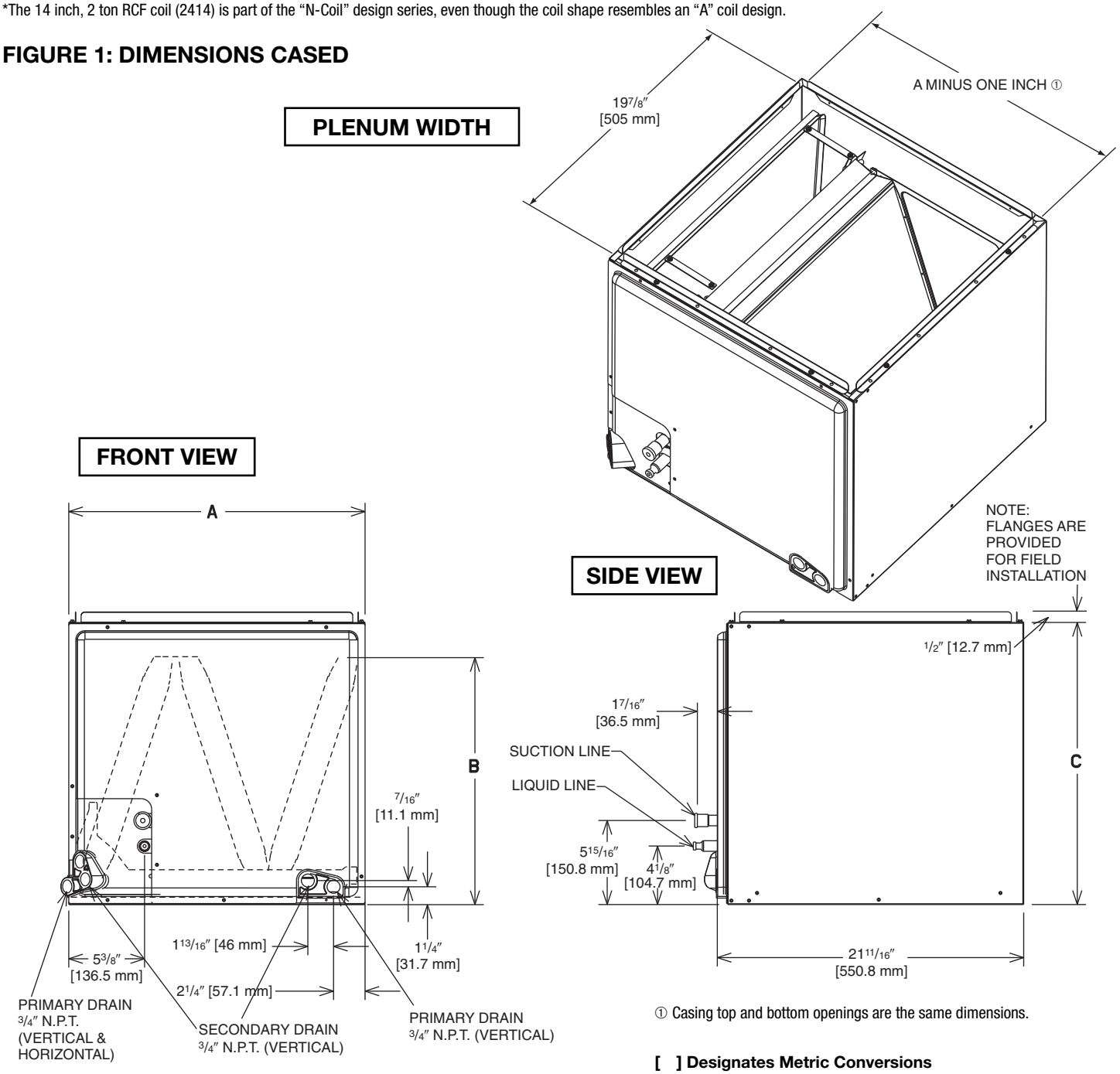
[ ] Designates Metric Conversions

Table 2: Coil Dimensions and Weights

Coil Model RCF	Connections Sweat (in.) [mm]		Cased Coil Dimensions (in) [mm]			Weight	
	Liquid I.D.	Suction I.D.	A	B	C	Coil Weight (lbs.) [Kg.]	Shipping Weight (lbs.) [Kg.]
2414ST	3/8 [9.53]	3/4 [19.05]	14 [356]	21 [533]	23 3/16 [584]	43 [19]	47 [21]
2417SP/2417ST/2417SE	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	14 1/2 [368]	20 [508]	43 [19]	48 [22]
2417MT/2417HT/3617ST/3617SP/3617SE	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	17 7/8 [454]	20 [508]	49 [22]	54 [24]
2421MT/2421HT/3621ST/3621SP/2421ME	3/8 [9.53]	3/4 [19.05]	21 [533]	17 1/2 [445]	20 [508]	51 [23]	60 [27]
3621MT/4821ST/4821SP/3621ME	3/8 [9.53]	3/4 [19.05]	21 [533]	25 7/8 [657]	28 [711]	71 [32]	78 [35]
3621HT/4821MT/6021ST/6021SE	3/8 [9.53]	7/8 [22.23]	21 [533]	32 [813]	34 1/2 [876]	76 [34]	86 [39]
3624MT/4824ST/4824ST	3/8 [9.53]	3/4 [19.05]	24 1/2 [622]	25 3/8 [645]	32 [812]	83 [37]	93 [42]
3624HT/4824HT/6024ST/6024HT/6024ME	3/8 [9.53]	3/4 [19.05]	24 1/2 [622]	30 1/4 [768]	32 [812]	100 [45]	108 [48]

*The 14 inch, 2 ton RCF coil (2414) is part of the "N-Coil" design series, even though the coil shape resembles an "A" coil design.

FIGURE 1: DIMENSIONS CASED



① Casing top and bottom openings are the same dimensions.

[ ] Designates Metric Conversions