Real People. Real Savings. Real Fast.®

MODEL: RCCL
Indoor Cooling Coils For Dual Furnace Application

FORM NO. CSC-225 REV. 1

Sure Comfort® RCCL Indoor Cooling Coils For Dual Furnace Application

- **Featuring Industry Standard R-410A Refrigerant**

WARNING
RCCL COOLING COIL FOR USE IN UPFLOW APPLICATIONS ONLY

- The RCCL- series cooling coils are designed for use with two Upflow Gas Furnaces and a single 6.5 or 7.5 ton [22.9 or 26.4 kW] commercial condensing unit.
- For twinning furnaces, please refer to the appropriate Installation Instructions.
- RCCL coils are single circuit coils with a mounted expansion valve in a completely assembled and insulated plenum.
- Sheet metal transitions and block-offs for dual furnace applications are packaged with the RCCL coil assembly.

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6.5 & 7.5 Ton Single Circuit Evaporator Coils

MODEL RCCL-D5013S

6.5 & 7.5 Ton [22.9 & 26.4 kW] high efficiency evaporator coil.

NOTE: Sheet metal transition and block-offs for dual furnace applications are packaged with the RCCL coil assembly.

THE FOLLOWING FURNACES MAY BE USED IN 6.5 & 7.5 TON UPFLOW APPLICATIONS

80% GAS UPFLOW
R801TA125525MSA

90 PLUS GAS UPFLOW
R95TA1151524SA

NOTE: See gas furnace specification sheets to determine appropriate models and fan speeds for 6.5 & 7.5 ton [22.9 & 26.4 kW] applications.

Pressure Drop (Inches, Water Column) [kPa]

RCCL-D5013S					
CFM [L/s]	DRY COIL	WET COIL	CFM [L/s]	DRY COIL	WET COIL
2400 [1133]	.15 [.04]	.18 [.04]	3800 [1793]	.25 [.06]	.32 [.08]
2600 [1227]	.16 [.04]	.20 [.05]	4000 [1888]	.26 [.06]	.34 [.08]
2800 [1321]	.18 [.04]	.22 [.05]	4200 [1982]	.28 [.07]	.36 [.09]
3000 [1416]	.19 [.05]	.24 [.06]	4400 [2077]	.30 [.07]	.38 [.09]
3200 [1510]	.20 [.05]	.26 [.06]	4600 [2171]	.31 [.08]	.40 [.10]
3400 [1605]	.22 [.05]	.28 [.07]	4800 [2265]	.32 [.08]	.42 [.10]
3600 [1699]	.23 [.06]	.30 [.07]			

[ ] Designates Metric Conversions

Physical Data Table

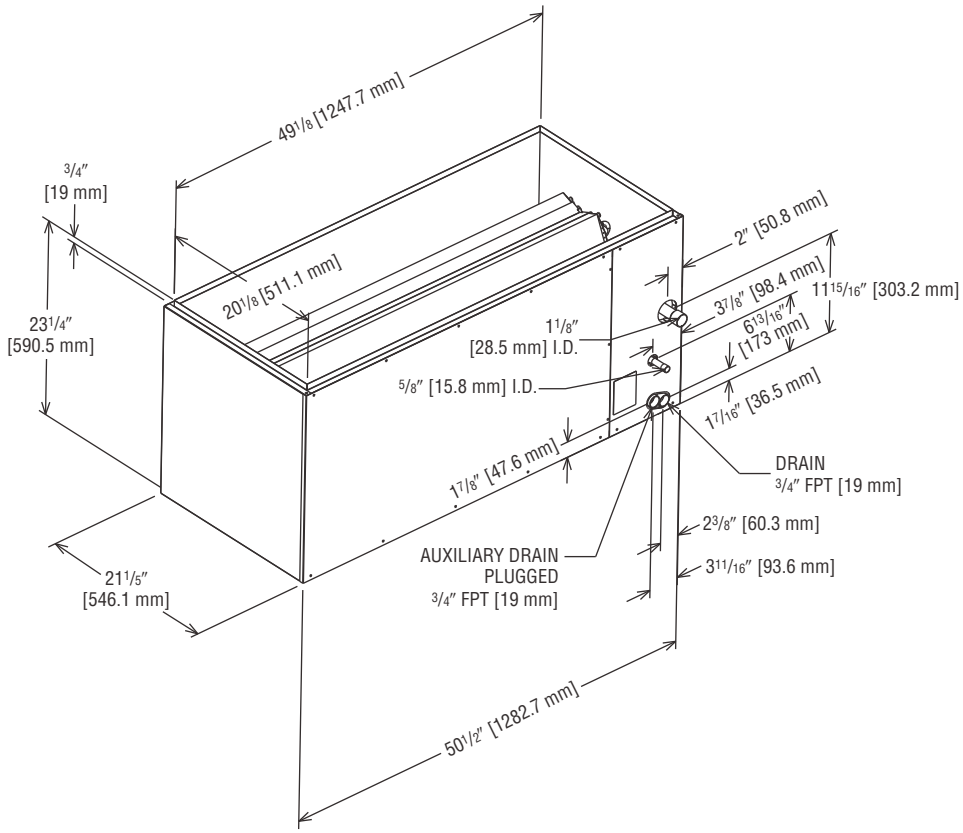
MODEL NO. RCCL-	D5013S
Nominal Tons [kW]	6.5, 7.5 [22.9, 26.4]
Coil Face Area (Sq. Ft.) [m²]	12.57 [1.17]
Coil Tube Diameter (In.) [mm]	3/8" [9.5]
Coil, Rows Deep—Fins Per Inch	4/12
REFRIGERANT CONTROL: Thermal Expansion Valve	BBIZE-8
CABINET: Finish	Galvanized
Sheet Metal	Galvanized
Gauge (Nominal)	20
UNIT WEIGHTS: Operating (lbs.) [kg]	130 [57.7]
Shipping (lbs.) [kg]	140 [63.5]
Packaging Dimensions (H x W x L) (In.) [mm]	26" x 26" x 52 1/4" [660.4] x [660.9] x [1327.2]

A.R.I. Ratings

INDOOR COOLING COIL WITH CONDENSING UNIT 80°F. D.B. [27°C]/67°F. W.B. [19°C] INDOOR—95°F. D.B. [35°C] OUTDOOR				
COOLING COIL	**CONDENSING UNIT**	**NET BTUH [kW]**	**EVAP CFM [L/s]**	**EER**
RCCL-D5013S	RAWL-079+R95T-12	77,000 [22.6]	2,600 [1227]	11.5
	RAWL-091+R801T-12	90,000 [26.4]	2,800 [1321]	11.5

Coil Dimensional Data

RAWL-079
RAWL-091



[ ] Designates Metric Conversions

Airflow Correction Factors

RCCL-D5013S													
ACTUAL—CFM [L/s]	2400 [1133]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]	4000 [1888]	4200 [1982]	4400 [2077]	4600 [2171]	4800 [2265]
TOTAL MBH	0.80	0.84	0.87	0.90	0.92	0.95	0.97	1.00	1.03	1.05	1.07	1.09	1.11
SENSIBLE MBH	0.75	0.80	0.84	0.87	0.90	0.94	0.97	1.00	1.03	1.06	1.09	1.12	1.14

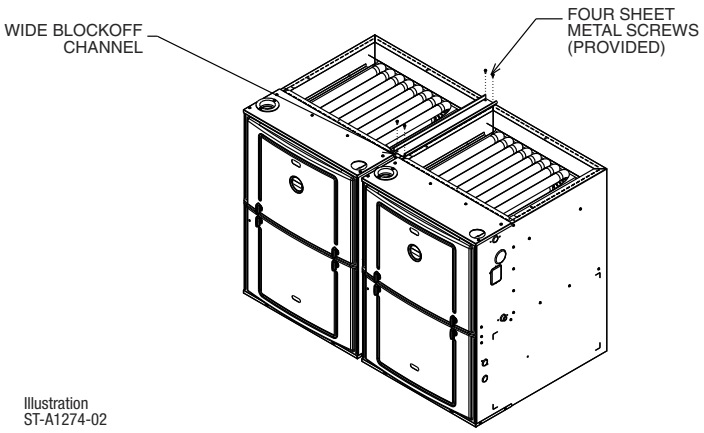
NOTES: 1. Multiply correction factor times gross performance data.
2. Resulting sensible capacity cannot exceed total capacity.

[ ] Designates Metric Conversions

Coil Piping And Expansion Valve Bulb Location

1. An oil trap in the suction line should be provided.
2. The expansion valve sensing bulb must be strapped securely to the top of the suction line on the outside of the coil cabinet. Both the bulb and suction line must be insulated. See figure 3.
3. The condensate drain connection is 3/4" [19 mm] NPT. A 3" [76.2 mm]: A trap with adequate pitch must be provided. See figure 3.

FIGURE 1
BLOCKOFF CHANNEL INSTALLATION



Illustration
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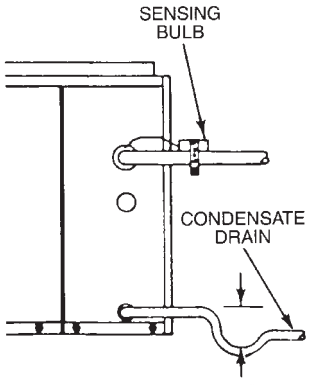

FIGURE 3

(Field Supplied)

[ ] Designates Metric Conversions

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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.

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