FORM NO. C33-205 REV. 10
Supersedes Form No. C33-205 Rev. 9

INDOOR COOLING COILS FOR DUAL FURNACE APPLICATION

RCCU- SERIES

The RCCU- series cooling coils are designed for use with two Upflow Gas Furnaces or two Upflow Oil Furnaces and a single 6.5, 7.5 or 10 ton [22.9, 26.4 or 35.2 kW] commercial condensing unit.

For twinning furnaces, please refer to the appropriate Installation Instructions.

RCCU 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 RCCU coil assembly.

WARNING
RCCU COOLING COIL FOR USE IN UPFLOW APPLICATIONS ONLY

Accredited by the RvA
ANSI-RAB QMS ACCREDITED
ISO 9002
Certificate Number: 30164

"CERTIFIED UNDER THE A.R.I. CERTIFICATION PROGRAM—A.R.I. STANDARD 360"

6.5, 7.5 and 10 Ton [22.9, 26.4 and 35.2 kW] Single Circuit Evaporator Coils

Model RCCU-A5090S

6.5 ton [22.9 kW] evaporator coil

Single circuit slab coil with mounted expansion valve in a completely assembled plenum.

Model RCCU-A5012S
7.5 & 10 ton
[26.4 & 35.2 kW]
evaporator coil

Single circuit "A" coil with mounted expansion valve in a completely assembled plenum.

Model RXOP-D25
OIL MODELS

wiring kit

Model RXGP-F03
GAS FURNACES

twinning kit

Model RCCU-C5091S
6.5 ton [22.9 kW]
High efficiency
evaporator coil

Model RCCU-C5013S
7.5 ton & 10 ton
[26.4 & 35.2 kW]
High efficiency
evaporator coil

NOTE: Sheet metal transition and block-offs for dual furnace applications are packaged with the RCCU coil assembly. Wiring Kit must be ordered as a separate item.

The following furnaces may be used in 6.5, 7.5 or 10 ton [22.9, 26.4 or 35.2 kW] applications.

Gas Upflow

80% Gas Upflow	Two-stage 80% Gas Upflow	90 Plus Gas Upflow	Oil Furnaces
(-)GPH/(-)GPJ-05*AUE	(-)GPK-05*AUE	(-)GRA/(-)GRJ-06*MAE	(-)OBD-084QBE*
(-)GPH/(-)GPJ-07*AUE	(-)GPK-07*AUE	(-)GRA/(-)GRJ-07*MAE	(-)OBD-095QBE*
(-)GPH/(-)GPJ-10*AME	(-)GPK-07*AMG	(-)GRA/(-)GRJ-07*YB	(-)OBD-112QBG*
(-)GPH/(-)GPJ-10*BRJ	(-)GPK-10*AME	(-)GRA/(-)GRJ-09*ZAJ	(-)OBD-130RBJ*
(-)GPH/(-)GPJ-12*ARJ	(-)GPK-10*BRJ	(-)GRA/(-)GRJ-10*ZAJ	(-)OBD-150RBJ*
(-)GPH/(-)GPJ-15*ARJ	(-)GPK-12*ARJ	(-)GRA/(-)GRJ-12*ZAJ	
	(-)GPK-15*ARJ		
	(-)GPL-05*BMK		
	(-)GPL-07*BRK		
	(-)GPL-07*BRQ		
	(-)GPL-10*BRM		
	(-)GPL-12*ARM		

- Refer to Installation Guide for specific model twinned.
- (-)GPJ and (-)GRJ models using UTEC 1012-925 IFC require the twinning kit RXGP-F03.
- Oil furnaces require the twinning kit RXOP-D25.
- Twinning kits must be ordered as a separate item.

NOTES: 1. Hot surface ignition models identified by the fourth model number character "J" require the use of twinning kit model **RXGP-F03**. Refer to Installation Instructions for additional information.
2. See gas furnace specification sheets to determine appropriate models and fan speeds for 6.5, 7.5 or 10 ton [22.9, 26.4 & 35.2 kW] applications.
3. Refer to RCCU I&O for twinning wiring diagrams.

Coil Models:

RCCU-A5090S
RCCU-A5012S

Oil Furnace Wiring Kit Model:

RXOP-D25

Pressure Drop (Inches, Water Column) [kPa]

RCCU-A5090S/C5091S		
CFM [L/s]	DRY COIL	WET COIL
2000 [944]	.15 [.04]	.23 [.06]
2200 [1038]	.17 [.04]	.26 [.06]
2400 [1133]	.20 [.05]	.30 [.07]
2600 [1227]	.23 [.06]	.35 [.09]
2800 [1321]	.26 [.06]	.40 [.10]
3000 [1416]	.29 [.07]	.45 [.11]
3200 [1510]	.33 [.08]	.50 [.12]

RCCU-A5012S/C5013S					
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

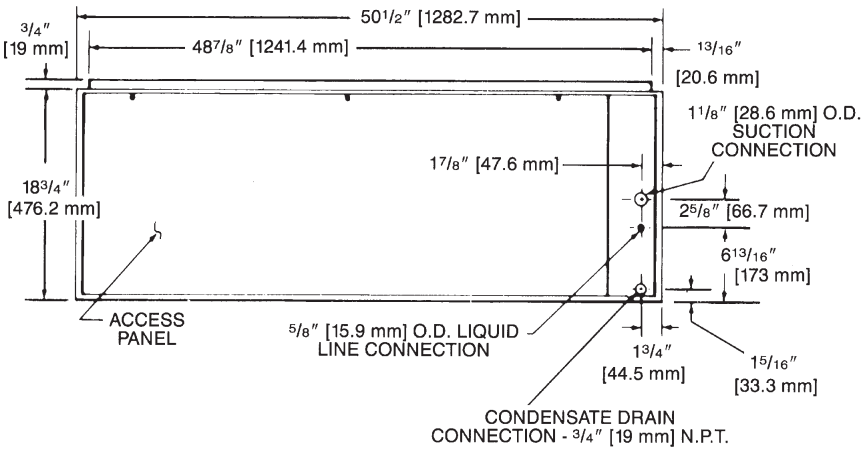
Physical Data Table

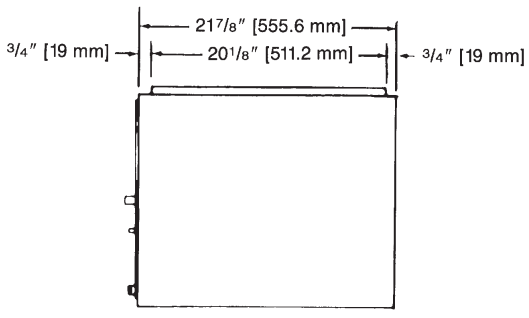
MODEL NO. RCCU-	A5090S	C5091S	A5012S	C5013S
Nominal Tons [kW]	6.5 [22.9]	6.5 [22.9]	7.5, 10 [26.4, 35.2]	7.5, 10 [26.4, 35.2]
Coil Face Area (Sq. Ft.) [m^2]	6.28 [0.58]	12.57 [1.17]	12.57 [1.17]	12.57 [1.17]
Coil Tube Diameter (In.) [mm]	5/16" [7.9]	5/16" [7.9]	5/16" [7.9]	3/8" [9.5]
Coil, Rows Deep—Fins Per Inch	4/13	4/13	4/13	4/13
REFRIGERANT CONTROL: Thermal Expansion Valve	XVE-7 1/2	PVE-11GA	PVE-11GA	BIVE-8
CABINET: Finish	Powder Paint	Powder Paint		
Sheet Metal	Galvanized	Galvanized		
Gauge (Nominal)	20	20		
UNIT WEIGHTS: Operating (lbs.) [kg]	90 [40.8]	125 [56.7]	125 [56.7]	135 [61.2]
Shipping (lbs.) [kg]	100 [45.4]	135 [61.2]	135 [61.2]	145 [65.8]
Packaging Dimensions (H x W x L) (In.) [mm]	26" x 22 1/2" x 53 1/4" [660.4] x [571.5] x [1352.6]	26" x 22 1/2" x 53 1/4" [660.4] x [571.5] x [1352.6]		

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				
RCCU- COOLING COIL	**CONDENSING UNIT**	**NET BTUH [kW]**	**EVAP CFM [L/s]**	**EER**
A5090S	(-)AWD- 065	72,000 [21.1]	2,600 [1227]	9.4
A5012S	(-)AWD- 075	90,000 [26.4]	3,200 [1510]	9.1
	(-)AWD- 100	120,000 [35.2]	3,800 [1793]	8.9
C5091S	(-)AWE- 078	76,000 [22.3]	2,400 [1133]	10.3
C5013S	(-)AWE- 090	87,000 [25.5]	2,600 [1227]	10.3
	(-)AWE- 120	125,000 [36.6]	3,800 [1793]	10.3

Coil Dimensional Data





Coils are designed to fit two gas furnaces.

[ ] Designates Metric Conversions

Cooling Performance Data

EVAP TEMP °F [°C]	EVAP INLET AIR WB °F [°C]	TOTAL CAPAC MBH [kW]	EVAP LVG AIR WB °F [°C]	EVAPORATOR ENTERING AIR DB—°F [°C]					
				70 [21.1]	75 [23.9]	80 [26.7]	85 [29.4]	90 [32.2]	95 [35.0]
				SENSIBLE CAPACITY					
				MBH [kW]	MBH [kW]	MBH [kW]	MBH [kW]	MBH [kW]	MBH [kW]
RCCU-A5090S @ 2600 CFM [1227 L/s]									
35 [1.7]	59 [15.0]	72.2 [21.16]	48.5 [9.2]	55.5 [16.27]	68.9 [20.19]	72.2 [21.16]	72.2 [21.16]	72.2 [21.16]	72.2 [21.16]
	63 [17.2]	86.7 [25.41]	51.2 [10.7]	49.9 [14.62]	63.3 [18.55]	76.7 [22.48]	86.7 [25.41]	86.7 [25.41]	86.7 [25.41]
	67 [19.4]	99.8 [29.25]	54.5 [12.5]	44.6 [13.07]	58.0 [17.00]	71.4 [20.93]	84.9 [24.88]	98.3 [28.81]	99.8 [29.25]
	71 [21.7]	115.7 [33.91]	57.6 [14.2]	0.0 [0.0]	52.0 [15.24]	65.4 [19.17]	78.8 [23.09]	92.2 [27.02]	105.6 [30.95]
	75 [23.9]	130.2 [38.16]	61.2 [16.2]	0.0 [0.0]	46.3 [13.57]	59.8 [17.53]	73.2 [21.45]	86.6 [25.38]	100.0 [29.31]
40 [4.4]	59 [15.0]	57.1 [16.73]	50.8 [10.4]	48.5 [14.21]	57.1 [16.73]	57.1 [16.73]	57.1 [16.73]	57.1 [16.73]	57.1 [16.73]
	63 [17.2]	73.2 [21.45]	53.2 [11.8]	43.8 [12.84]	57.2 [16.76]	70.6 [20.69]	73.2 [21.45]	73.2 [21.45]	73.2 [21.45]
	67 [19.4]	87.7 [25.70]	56.2 [13.4]	39.5 [11.58]	53.0 [15.53]	66.4 [19.46]	79.8 [23.39]	87.7 [25.70]	87.7 [25.70]
	71 [21.7]	105.4 [30.89]	59.0 [15.0]	0.0 [0.0]	47.8 [14.01]	61.3 [17.97]	74.7 [21.89]	88.1 [25.82]	101.5 [29.75]
	75 [23.9]	121.5 [35.61]	62.3 [16.8]	0.0 [0.0]	43.2 [12.66]	56.6 [16.59]	70.0 [20.51]	83.4 [24.44]	96.8 [28.37]
45 [7.2]	59 [15.0]	38.7 [11.34]	53.6 [12.0]	38.7 [11.34]	38.7 [11.34]	38.7 [11.34]	38.7 [11.34]	38.7 [11.34]	38.7 [11.34]
	63 [17.2]	56.4 [16.53]	55.6 [13.1]	36.8 [10.79]	50.2 [14.71]	56.4 [16.53]	56.4 [16.53]	56.4 [16.53]	56.4 [16.53]
	67 [19.4]	72.5 [21.25]	58.2 [14.6]	33.4 [9.79]	46.8 [13.72]	60.2 [17.64]	72.5 [21.25]	72.5 [21.25]	72.5 [21.25]
	71 [21.7]	91.9 [26.93]	60.7 [15.9]	0.0 [0.0]	42.6 [12.48]	56.0 [16.41]	69.4 [20.34]	82.8 [24.27]	91.9 [26.93]
	75 [23.9]	109.6 [32.12]	63.7 [17.6]	0.0 [0.0]	38.8 [11.37]	52.2 [15.30]	65.6 [19.23]	79.0 [23.15]	92.5 [27.11]
50 [10.0]	59 [15.0]	17.4 [5.10]	56.6 [13.7]	17.4 [5.10]	17.4 [5.10]	17.4 [5.10]	17.4 [5.10]	17.4 [5.10]	17.4 [5.10]
	63 [17.2]	36.6 [10.73]	58.3 [14.6]	28.9 [8.47]	36.6 [10.73]	36.6 [10.73]	36.6 [10.73]	36.6 [10.73]	36.6 [10.73]
	67 [19.4]	54.0 [15.83]	60.6 [15.9]	26.2 [7.68]	39.6 [11.61]	53.0 [15.53]	54.0 [15.83]	54.0 [15.83]	54.0 [15.83]
	71 [21.7]	75.0 [21.98]	62.8 [17.1]	0.0 [0.0]	36.3 [10.64]	49.7 [14.57]	63.1 [18.49]	75.0 [21.98]	75.0 [21.98]
	75 [23.9]	94.2 [27.61]	65.4 [18.6]	0.0 [0.0]	33.3 [9.76]	46.7 [13.69]	60.1 [17.61]	73.5 [21.54]	86.9 [25.47]
RCCU-A5012S @ 3800 CFM [1793 L/s]									
35 [1.7]	59 [15.0]	106.8 [31.30]	48.3 [9.1]	86.2 [25.26]	106.8 [31.30]	106.8 [31.30]	106.8 [31.30]	106.8 [31.30]	106.8 [31.30]
	63 [17.2]	134.9 [39.54]	50.4 [10.2]	78.4 [22.98]	99.0 [29.01]	119.6 [35.05]	134.9 [39.54]	134.9 [39.54]	134.9 [39.54]
	67 [19.4]	159.7 [46.80]	53.1 [11.7]	70.9 [20.78]	91.5 [26.82]	112.1 [32.85]	132.6 [38.86]	153.2 [44.90]	159.7 [46.80]
	71 [21.7]	191.1 [56.01]	55.6 [13.2]	0.0 [0.0]	83.5 [24.47]	104.1 [30.51]	124.7 [36.55]	145.2 [42.55]	165.8 [48.59]
	75 [23.9]	219.2 [64.24]	58.7 [14.8]	0.0 [0.0]	75.8 [22.21]	96.3 [28.22]	116.9 [34.26]	137.5 [40.30]	158.1 [46.33]
40 [4.4]	59 [15.0]	83.1 [24.35]	50.9 [10.5]	75.7 [22.19]	83.1 [24.35]	83.1 [24.35]	83.1 [24.35]	83.1 [24.35]	83.1 [24.35]
	63 [17.2]	112.3 [32.91]	52.7 [11.5]	68.7 [20.13]	89.3 [26.17]	109.9 [32.21]	112.3 [32.91]	112.3 [32.91]	112.3 [32.91]
	67 [19.4]	138.0 [40.44]	55.3 [12.9]	62.0 [18.17]	82.5 [24.18]	103.1 [30.22]	123.7 [36.25]	138.0 [40.44]	138.0 [40.44]
	71 [21.7]	170.7 [50.03]	57.5 [14.2]	0.0 [0.0]	75.4 [22.10]	96.0 [28.14]	116.5 [34.14]	137.1 [40.18]	157.7 [46.22]
	75 [23.9]	199.9 [58.58]	60.4 [15.8]	0.0 [0.0]	68.4 [20.05]	89.0 [26.08]	109.6 [32.12]	130.1 [38.13]	150.7 [44.17]
45 [7.2]	59 [15.0]	56.8 [16.65]	53.6 [12.0]	56.8 [16.65]	56.8 [16.65]	56.8 [16.65]	56.8 [16.65]	56.8 [16.65]	56.8 [16.65]
	63 [17.2]	86.9 [25.47]	55.2 [12.9]	58.4 [17.12]	78.9 [23.12]	86.9 [25.47]	86.9 [25.47]	86.9 [25.47]	86.9 [25.47]
	67 [19.4]	113.3 [33.20]	57.6 [14.2]	52.2 [15.30]	72.7 [21.31]	93.3 [27.34]	113.3 [33.20]	113.3 [33.20]	113.3 [33.20]
	71 [21.7]	146.9 [43.05]	59.6 [15.3]	0.0 [0.0]	66.3 [19.43]	86.9 [25.47]	107.4 [31.48]	128.0 [37.51]	146.9 [43.05]
	75 [23.9]	177.0 [51.87]	62.3 [16.8]	0.0 [0.0]	60.0 [17.58]	80.6 [23.62]	101.1 [29.63]	121.7 [35.67]	142.3 [41.70]
50 [10.0]	59 [15.0]	28.9 [8.47]	56.3 [13.5]	28.9 [8.47]	28.9 [8.47]	28.9 [8.47]	28.9 [8.47]	28.9 [8.47]	28.9 [8.47]
	63 [17.2]	59.2 [17.35]	57.8 [14.3]	47.6 [13.95]	59.2 [17.35]	59.2 [17.35]	59.2 [17.35]	59.2 [17.35]	59.2 [17.35]
	67 [19.4]	85.7 [25.12]	60.0 [15.6]	41.8 [12.25]	62.3 [18.26]	82.9 [24.30]	85.7 [25.12]	85.7 [25.12]	85.7 [25.12]
	71 [21.7]	120.0 [35.17]	61.9 [16.6]	0.0 [0.0]	56.4 [16.53]	77.0 [22.57]	97.6 [28.60]	118.1 [34.61]	120.0 [35.17]
	75 [23.9]	150.3 [44.05]	64.5 [18.1]	0.0 [0.0]	50.6 [14.83]	71.1 [20.84]	91.7 [26.87]	112.3 [32.91]	132.8 [38.92]

NOTES: 1. Total and sensible capacity is gross, with no deduction for indoor blower motor heat.
2. Interpolation is permissible. Do not extrapolate.

Airflow Correction Factors

ACTUAL—CFM [L/s]	2000 [944]	2200 [1038]	2400 [1133]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]
RCCU-A5090S @ 2600 CFM [1227 L/s]							
TOTAL MBH [kW]	0.84 [0.25]	0.90 [0.26]	0.95 [0.28]	1.00 [0.29]	1.05 [0.31]	1.09 [0.32]	1.13 [0.33]
SENSIBLE MBH [kW]	0.83 [0.24]	0.89 [0.26]	0.94 [0.28]	1.00 [0.29]	1.05 [0.31]	1.10 [0.32]	1.15 [0.34]

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]
RCCU-A5012S @ 3800 CFM [1793 L/s]													
TOTAL MBH [kW]	0.80 [0.23]	0.84 [0.24]	0.87 [0.25]	0.90 [0.26]	0.92 [0.27]	0.95 [0.28]	0.97 [0.28]	1.00 [0.29]	1.03 [0.30]	1.05 [0.31]	1.07 [0.31]	1.09 [0.32]	1.11 [0.33]
SENSIBLE MBH [kW]	0.75 [0.22]	0.80 [0.23]	0.84 [0.24]	0.87 [0.25]	0.90 [0.26]	0.94 [0.28]	0.97 [0.28]	1.00 [0.29]	1.03 [0.30]	1.06 [0.31]	1.09 [0.32]	1.12 [0.33]	1.14 [0.33]

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

[ ] Designates Metric Conversions

Cooling Performance Data

RCCU-C5091S @ 2600 CFM [1227 L/s]									
EVAP TEMP °F [°C]	EVAP INLET AIR WB °F [°C]	TOTAL CAPAC MBH [kW]	EVAP LVG AIR WB °F [°C]	EVAPORATOR ENTERING AIR DB—°F [°C]					
				70 [21.1]	75 [23.9]	80 [26.7]	85 [29.4]	90 [32.2]	95 [35.0]
				SENSIBLE CAPACITY					
				MBH [kW]	MBH [kW]	MBH [kW]	MBH [kW]	MBH [kW]	MBH [kW]
35 [1.7]	59 [15.0]	89.7 [26.3]	44.2 [6.8]	63.1 [18.5]	75.3 [22.1]	87.8 [25.7]	89.7 [26.3]	89.7 [26.3]	89.7 [26.3]
	63 [17.2]	100.9 [29.6]	47.6 [8.7]	56.1 [16.4]	68.2 [20.0]	80.4 [23.6]	92.8 [27.2]	100.9 [29.6]	100.9 [29.6]
	67 [19.4]	112.5 [33.0]	51.3 [10.7]	46.2 [13.5]	60.7 [17.8]	72.6 [21.3]	84.7 [24.8]	96.8 [28.4]	109.1 [32.0]
	71 [21.7]	123.1 [36.1]	55.3 [12.9]	0.0 [0.0]	50.3 [14.7]	64.5 [18.9]	76.0 [22.3]	87.8 [25.7]	99.8 [29.2]
	75 [23.9]	131.8 [38.6]	59.7 [15.4]	0.0 [0.0]	38.3 [11.2]	53.3 [15.6]	67.5 [19.8]	78.6 [23.0]	90.2 [26.4]
40 [4.4]	59 [15.0]	88.0 [25.8]	44.5 [6.9]	58.1 [17.0]	70.4 [20.6]	88.0 [25.8]	88.0 [25.8]	88.0 [25.8]	88.0 [25.8]
	63 [17.2]	91.4 [26.8]	49.3 [9.6]	51.7 [15.2]	64.2 [18.8]	76.7 [22.5]	89.2 [26.1]	91.4 [26.8]	91.4 [26.8]
	67 [19.4]	104.8 [30.7]	52.5 [11.4]	43.2 [12.7]	57.4 [16.8]	69.6 [20.4]	82.1 [24.1]	94.6 [27.7]	104.8 [30.7]
	71 [21.7]	117.0 [34.3]	56.2 [13.4]	0.0 [0.0]	47.9 [14.0]	62.2 [18.2]	74.2 [21.7]	86.2 [25.3]	98.6 [28.9]
	75 [23.9]	127.9 [37.5]	60.3 [15.7]	0.0 [0.0]	36.9 [10.8]	51.9 [15.2]	65.9 [19.3]	77.6 [22.7]	89.6 [26.3]
45 [7.2]	59 [15.0]	78.4 [23.0]	46.3 [7.9]	51.5 [15.1]	67.3 [19.7]	78.4 [23.0]	78.4 [23.0]	78.4 [23.0]	78.4 [23.0]
	63 [17.2]	79.0 [23.2]	51.3 [10.7]	45.9 [13.5]	58.7 [17.2]	71.6 [21.0]	79.0 [23.2]	79.0 [23.2]	79.0 [23.2]
	67 [19.4]	93.9 [27.5]	54.2 [12.3]	38.7 [11.3]	52.7 [15.4]	65.4 [19.2]	78.1 [22.9]	90.8 [26.6]	93.9 [27.5]
	71 [21.7]	108.0 [31.7]	57.5 [14.2]	0.0 [0.0]	44.5 [13.0]	58.7 [17.2]	71.0 [20.8]	83.5 [24.5]	96.1 [28.2]
	75 [23.9]	120.7 [35.4]	61.3 [16.3]	0.0 [0.0]	34.3 [10.1]	49.5 [14.5]	63.6 [18.6]	75.6 [22.2]	87.8 [25.7]
50 [10.0]	59 [15.0]	67.9 [19.9]	48.1 [8.9]	43.6 [12.8]	56.6 [16.6]	67.9 [19.9]	67.9 [19.9]	67.9 [19.9]	67.9 [19.9]
	63 [17.2]	69.7 [20.4]	53.1 [11.7]	38.5 [11.3]	52.0 [15.2]	65.5 [19.2]	69.7 [20.4]	69.7 [20.4]	69.7 [20.4]
	67 [19.4]	79.5 [23.3]	56.4 [13.6]	32.8 [9.6]	46.9 [13.7]	59.7 [17.5]	72.6 [21.3]	79.5 [23.3]	79.5 [23.3]
	71 [21.7]	95.4 [28.0]	59.3 [15.2]	0.0 [0.0]	39.9 [11.7]	53.8 [15.8]	66.6 [19.5]	79.2 [23.2]	92.1 [27.0]
	75 [23.9]	110.0 [32.2]	62.6 [17.0]	0.0 [0.0]	30.7 [9.0]	45.9 [13.5]	59.9 [17.6]	72.3 [21.2]	84.8 [24.9]
RCCU-C5013S @ 3800 CFM [1793 L/s]									
35 [1.7]	59 [15.0]	129.6 [38.0]	45.7 [7.6]	92.0 [27.0]	110.0 [32.3]	128.2 [37.6]	129.6 [38.0]	129.6 [38.0]	129.6 [38.0]
	63 [17.2]	146.9 [43.1]	49.0 [9.4]	81.8 [24.0]	99.7 [29.2]	118.2 [34.6]	136.8 [40.1]	146.9 [43.1]	146.9 [43.1]
	67 [19.4]	164.5 [48.2]	52.7 [11.5]	68.0 [19.9]	89.0 [26.1]	106.7 [31.3]	124.9 [36.6]	143.2 [42.0]	161.6 [47.4]
	71 [21.7]	180.7 [53.0]	56.6 [13.7]	0.0 [0.0]	74.2 [21.7]	95.1 [27.9]	112.4 [32.9]	130.0 [38.1]	148.1 [43.4]
	75 [23.9]	195.3 [57.2]	60.9 [16.1]	0.0 [0.0]	56.0 [16.4]	79.5 [23.3]	99.7 [29.2]	116.6 [34.2]	134.1 [39.3]
40 [4.4]	59 [15.0]	127.1 [37.2]	46.0 [7.8]	84.0 [24.6]	102.2 [30.0]	127.1 [37.2]	127.1 [37.2]	127.1 [37.2]	127.1 [37.2]
	63 [17.2]	131.3 [38.5]	50.7 [10.4]	74.5 [21.8]	93.2 [27.3]	111.8 [32.8]	130.5 [38.2]	131.3 [38.5]	131.3 [38.5]
	67 [19.4]	151.7 [44.5]	53.9 [12.2]	62.7 [18.4]	83.3 [24.4]	101.7 [29.8]	120.2 [35.2]	138.7 [40.6]	151.7 [44.5]
	71 [21.7]	170.2 [49.9]	57.6 [14.2]	0.0 [0.0]	70.4 [20.6]	90.8 [26.6]	108.8 [31.9]	126.8 [37.2]	145.5 [42.6]
	75 [23.9]	186.9 [54.8]	61.6 [16.4]	0.0 [0.0]	53.3 [15.6]	76.8 [22.5]	97.0 [28.4]	114.5 [33.6]	132.3 [38.8]
45 [7.2]	59 [15.0]	112.9 [33.4]	47.6 [8.7]	74.2 [21.7]	96.7 [28.3]	112.8 [33.1]	112.9 [37.2]	112.9 [37.2]	112.9 [37.2]
	63 [17.2]	121.8 [35.7]	52.7 [11.5]	65.6 [19.2]	84.7 [24.8]	103.6 [30.4]	121.8 [35.7]	121.8 [35.7]	121.8 [35.7]
	67 [19.4]	134.0 [39.3]	55.6 [13.1]	55.8 [16.4]	75.9 [22.2]	94.6 [27.7]	113.5 [33.3]	132.3 [38.8]	134.0 [39.3]
	71 [21.7]	155.4 [45.5]	58.9 [14.9]	0.0 [0.0]	64.8 [19.0]	84.9 [24.9]	103.3 [30.3]	122.0 [35.8]	140.6 [41.2]
	75 [23.9]	174.5 [51.1]	62.6 [17.0]	0.0 [0.0]	49.1 [14.4]	72.6 [21.3]	92.6 [27.1]	110.6 [32.4]	128.8 [37.7]
50 [10.0]	59 [15.0]	97.6 [28.6]	49.2 [9.6]	64.9 [19.0]	81.0 [23.7]	97.6 [28.6]	97.6 [28.6]	97.6 [28.6]	97.6 [28.6]
	63 [17.2]	107.6 [31.5]	54.1 [12.3]	54.7 [16.0]	74.4 [21.8]	97.6 [28.6]	107.6 [31.5]	107.6 [31.5]	107.6 [31.5]
	67 [19.4]	111.8 [32.7]	57.7 [14.3]	47.3 [13.9]	66.8 [19.6]	85.9 [25.2]	105.1 [30.8]	111.8 [32.8]	111.8 [32.8]
	71 [21.7]	135.2 [39.6]	60.7 [15.9]	0.0 [0.0]	58.6 [17.2]	77.2 [22.6]	96.1 [28.2]	115.1 [33.7]	134.1 [39.3]
	75 [23.9]	156.9 [46.0]	64.0 [17.8]	0.0 [0.0]	43.1 [12.6]	66.9 [19.6]	86.4 [25.3]	104.9 [30.7]	123.6 [36.2]

NOTES: 1. Total and sensible capacity is gross, with no deduction for indoor blower motor heat.
2. Interpolation is permissible. Do not extrapolate.

Airflow Correction Factors

RCCU-C5091S @ 2600 CFM [1227 L/s]							
ACTUAL—CFM [L/s]	2000 [944]	2200 [1038]	2400 [1133]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]
TOTAL MBH [kW]	0.84 [0.25]	0.90 [0.26]	0.95 [0.28]	1.00 [0.29]	1.05 [0.31]	1.09 [0.32]	1.13 [0.33]
SENSIBLE MBH [kW]	0.83 [0.24]	0.89 [0.26]	0.94 [0.28]	1.00 [0.29]	1.05 [0.31]	1.10 [0.32]	1.15 [0.34]

RCCU-C5013S @ 3800 CFM [1793 L/s]													
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 [kW]	0.80 [0.23]	0.84 [0.24]	0.87 [0.25]	0.90 [0.26]	0.92 [0.27]	0.95 [0.28]	0.97 [0.28]	1.00 [0.29]	1.03 [0.30]	1.05 [0.31]	1.07 [0.31]	1.09 [0.32]	1.11 [0.33]
SENSIBLE MBH [kW]	0.75 [0.22]	0.80 [0.23]	0.84 [0.24]	0.87 [0.25]	0.90 [0.26]	0.94 [0.28]	0.97 [0.28]	1.00 [0.29]	1.03 [0.30]	1.06 [0.31]	1.09 [0.32]	1.12 [0.33]	1.14 [0.33]

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

[ ] Designates Metric Conversions

Coil Adapters

Models RCCU-A5090S and RCCU-A5012S cased coil assemblies are composed of an upflow coil installed in an insulated cabinet. Both coil models include several adapters and a transition which enable them to fit the furnace models listed below. The table illustrates the required adapter combinations. See figures 1 and 2.

FURNACE	CENTER BLOCK-OFF (In.) [mm]	SIDE BLOCK-OFFS (In.) [mm]
(-)GRA/GRJ-06*MAE	2.25 [57.2]	7 [177.8]
(-)GRA/GRJ-07*MAE	2.25 [57.2]	7 [177.8]
(-)GRA/GRJ-07*YB	2.25 [57.2]	3.5 [88.9]
(-)GRA/GRJ-09*ZAJ	2.25 [57.2]	3.5 [88.9]
(-)GRA/GRJ-10*ZAJ	2.25 [57.2]	3.5 [88.9]
(-)GRA/GRJ-12*ZAJ	2.25 [57.2]	None
(-)GPJ/(-)GPH-05*AUE	2.25 [57.2]	7 [177.8]
(-)GPJ/(-)GPH-07*AUE	2.25 [57.2]	7 [177.8]
(-)GPJ/(-)GPH-10*AME	2.25 [57.2]	7 [177.8]
(-)GPJ/(-)GPH-10*BRJ	2.25 [57.2]	3.5 [88.9]
(-)GPJ/(-)GPH-12*ARJ	2.25 [57.2]	None
(-)GPJ/(-)GPH-15*ARJ	2.25 [57.2]	None
(-)GPK-05*AUE	2.25 [57.2]	7 [177.8]
(-)GPK-07*AUE	2.25 [57.2]	7 [177.8]
(-)GPK-07*AMG	2.25 [57.2]	7 [177.8]
(-)GPK-10*AME	2.25 [57.2]	7 [177.8]
(-)GPK-10*BRJ	2.25 [57.2]	3.5 [88.9]
(-)GPK-12*ARJ	2.25 [57.2]	None
(-)GPK-15*ARJ	2.25 [57.2]	None
(-)GPL-05*BMK	2.25 [57.2]	7 [177.8]
(-)GPL-07*BRK	2.25 [57.2]	7 [177.8]
(-)GPL-07*BRQ	2.25 [57.2]	7 [177.8]
(-)GPL-10*BRM	2.25 [57.2]	7 [177.8]
(-)GPL-12*ARM	2.25 [57.2]	7 [177.8]
(-)OBD-084QBE	3.0 [76.2]	None
(-)OBD-095QBE	3.0 [76.2]	None
(-)OBD-112QBG	3.0 [76.2]	None
(-)OBD-130RBJ	1.5 [38.1]	Transition
(-)OBD-150RBJ	1.5 [38.1]	Transition

*E or N

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] trap with adequate pitch must be provided. See figure 3.

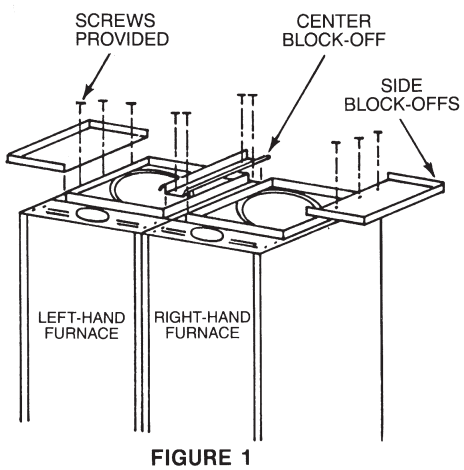


FIGURE 1

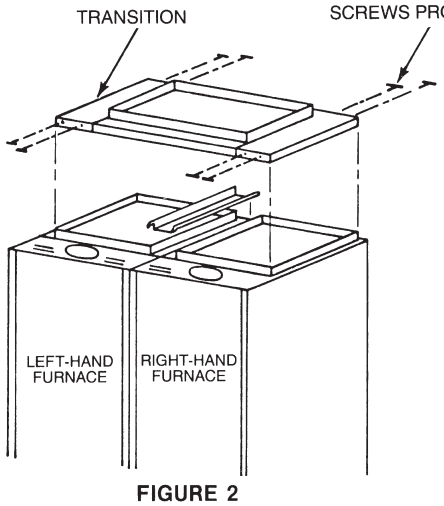


FIGURE 2

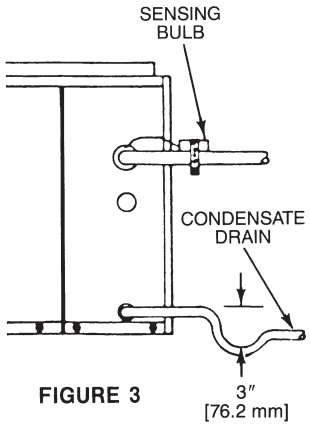


FIGURE 3

(Field Supplied)

[ ] Designates Metric Conversions

NOTES

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Supersedes Form No. C33-205 Rev. 9