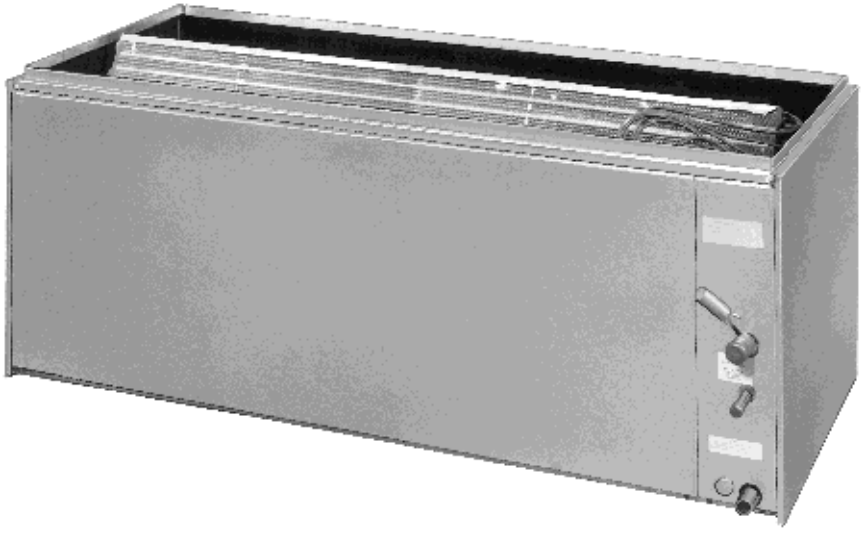
FORM NO. C33-205 REV. 8
Supersedes Form No. C33-205 Rev. 7

INDOOR COOLING COILS FOR DUAL FURNACE APPLICATION

RCCU- SERIES



The RCCU- series cooling coils are designed for use with two Electric Ignition Upflow Gas Furnaces or two 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 Dutch Council for Certification
ISO 9002
Certificate Number: 30164

"CERTIFIED UNDER THE A.R.I. CERTIFICATION PROGRAM—A.R.I. STANDARD 210"

6, 7.5 and 10 Ton [21.1, 26.4 and 35.2 kW] Single Circuit Evaporator Coils

Model RCCU-A5090S

6 ton [21.1 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-B25
OIL MODELS

wiring kit

Model RXGP-F02
GAS FURNACES

twinning kit

For all (-)GDG Gas Furnaces with Honeywell S9201A-1010, -1028 or -1036 controls (see wiring diagram 90-23553-02-00 page 6).

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

Hot Surface Ignition Models

(-)GDJ/(-)GPH-04*AUS
(-)GDJ/(-)GPH-05*AUE
(-)GDJ/(-)GPH-06*AUE
(-)GDJ/(-)GPH-07*AUE
(-)GDJ/(-)GPH-07*AMG
(-)GDJ/(-)GPH-10*AME
(-)GDJ/(-)GPH-10*BRJ
(-)GDJ/(-)GPH-12*ARJ
(-)GDJ/(-)GPH-15*ARJ

(-)GPK/(-)GPJ-05*AUE
(-)GPK/(-)GPJ-07*AUE
(-)GPK/(-)GPJ-07*AMG
(-)GPK/(-)GPJ-10*AME
(-)GPK/(-)GPJ-10*BRJ
(-)GPK/(-)GPJ-12*ARJ
(-)GPK/(-)GPJ-15*ARJ

(-)GRA/(-)GRJ-04*MAE
(-)GRA/(-)GRJ-06*MAE
(-)GRA/(-)GRJ-07*MAE
(-)GRA/(-)GRJ-07*YBG
(-)GRA/(-)GRJ-09*ZAJ
(-)GRA/(-)GRJ-10*ZAJ
(-)GRA/(-)GRJ-12*ZAJ

Oil Furnaces

6.5 & 7.5 Ton
[22.9 & 26.4 kW] Applications*

(-)OBC-084QBE
(-)OBC-095QBE
(-)OBC-112QBE
(-)OBC-130RBJ
(-)OBC-150RBJ

7.5 & 10 Ton
[26.4 & 35.2 kW] Applications*

(-)OBC-130RBJ
(-)OBC-150RBJ

*Model RXOP-B25 Wiring Kit is required and 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. DO NOT TWIN standing pilot models.

Coil Models:

RCCU-A5090S
RCCU-A5012S

Oil Furnace Wiring Kit Model:

RXOP-B25

Pressure Drop (Inches, Water Column) [kPa]

RCCU-A5090S		
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					
CFM [L/s]	DRY COIL	WET COIL	CFM [L/s]	DRY COIL	WET COIL
2400 [1133]	.06 [.01]	.09 [.02]	3800 [1793]	.13 [.03]	.20 [.05]
2600 [1227]	.07 [.02]	.11 [.03]	4000 [1888]	.14 [.03]	.22 [.05]
2800 [1321]	.08 [.02]	.12 [.03]	4200 [1982]	.16 [.04]	.24 [.06]
3000 [1416]	.09 [.02]	.14 [.03]	4400 [2077]	.17 [.04]	.26 [.06]
3200 [1510]	.10 [.02]	.15 [.04]	4600 [2171]	.18 [.04]	.28 [.07]
3400 [1605]	.11 [.03]	.17 [.04]	4800 [2265]	.20 [.05]	.31 [.08]
3600 [1699]	.12 [.03]	.18 [.04]			

[ ] Designates Metric Conversions

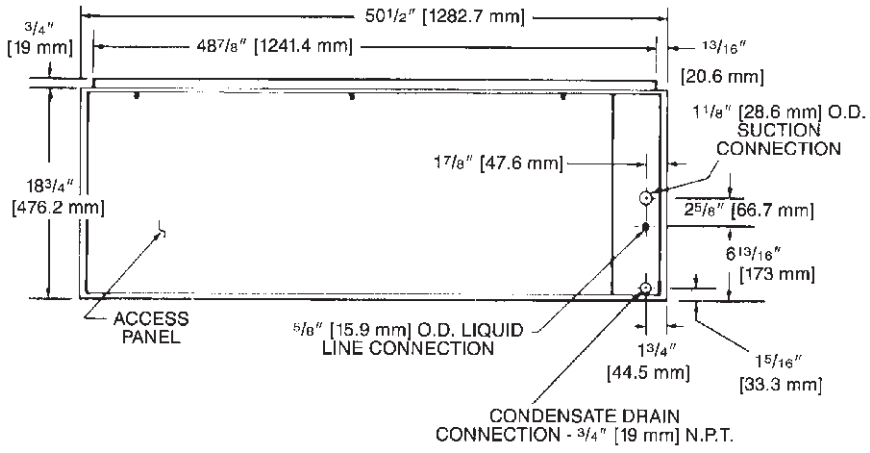
Physical Data Table

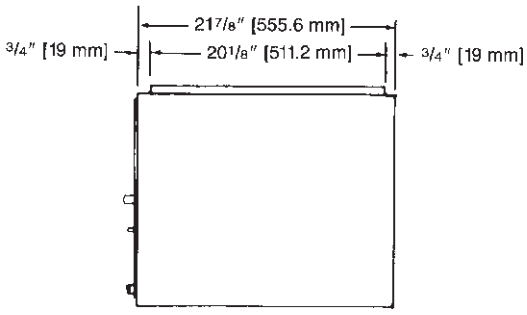
MODEL NO. RCCU-	A5090S	A5012S
Nominal Tons [kW]	6.5 [22.9]	7.5, 10 [26.4, 35.2]
Coil Face Area (Sq. Ft.) [m^2]	6.28 [0.58]	12.57 [1.17]
Coil Tube Diameter (In.) [mm]	5/16" [7.9]	5/16" [7.9]
Coil, Rows Deep—Fins Per Inch	4/13	4/13
REFRIGERANT CONTROL: Thermal Expansion Valve	XVE-7 1/2	PVE-11GA
CABINET: Finish	Powder Paint	Powder Paint
Sheet Metal	Galvanized	Galvanized
Gauge (Nominal)	20	20
UNIT WEIGHTS: Operating (lbs.) [kg]	90 [40.8]	125 [56.7]
Shipping (lbs.) [kg]	100 [45.4]	135 [61.2]
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	**(-)AWD- CONDENSING UNIT**	**NET BTUH [kW]**	**EVAP CFM [L/s]**	**EER**
A5090S	065	72,000 [21.1]	2,600 [1227]	9.4
A5012S	075	90,000 [26.4]	3,200 [1510]	9.1
	100	120,000 [35.2]	3,800 [1793]	8.9

Coil Dimensional Data





Coils are designed to fit two gas furnaces.

[ ] Designates Metric Conversions

Cooling Performance Data

RCCU-A5090S @ 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]	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

RCCU-A5090S @ 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-A5012S @ 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-04*MAE	2.25 [57.2]	7 [177.8]
(-)GRA-06*MAE	2.25 [57.2]	7 [177.8]
(-)GRA-07*MAE	2.25 [57.2]	7 [177.8]
(-)GRA-07*YB	2.25 [57.2]	3.5 [88.9]
(-)GRA-09*ZAJ	2.25 [57.2]	3.5 [88.9]
(-)GRA-10*ZAJ	2.25 [57.2]	3.5 [88.9]
(-)GRA-12*ZAJ	2.25 [57.2]	None
(-)GDG/(-)GPH-04*AUS	2.25 [57.2]	7 [177.8]
(-)GDG/(-)GPH-05*AUE	2.25 [57.2]	7 [177.8]
(-)GDG/(-)GPH-06/07*AUE	2.25 [57.2]	7 [177.8]
(-)GDG/(-)GPH-07*AMG	2.25 [57.2]	7 [177.8]
(-)GDG/(-)GPH-10*AME	2.25 [57.2]	7 [177.8]
(-)GDG/(-)GPH-10*BRJ	2.25 [57.2]	3.5 [88.9]
(-)GDG/(-)GPH-12*ARJ	2.25 [57.2]	None
(-)GDG/(-)GPH-15*ARJ	2.25 [57.2]	None
(-)OBC-084QBE	3.0 [76.2]	None
(-)OBC-095QBE	3.0 [76.2]	None
(-)OBC-112QBG	3.0 [76.2]	None
(-)OBC-130RBJ	1.5 [38.1]	Transition
(-)OBC-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.

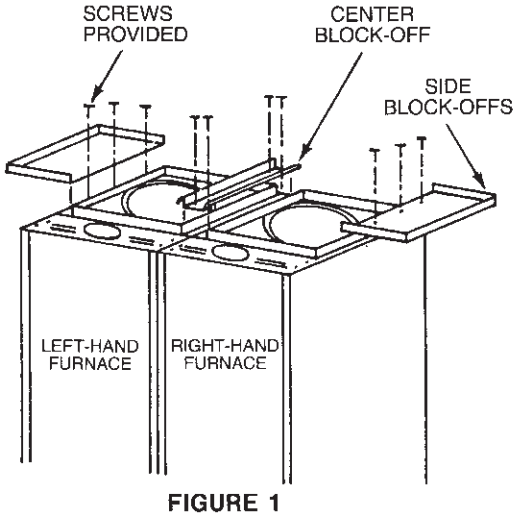


FIGURE 1

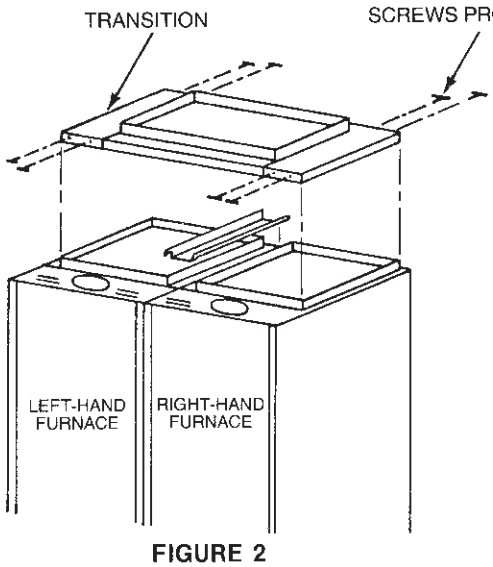


FIGURE 2

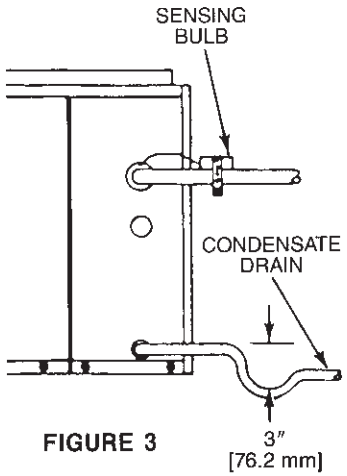
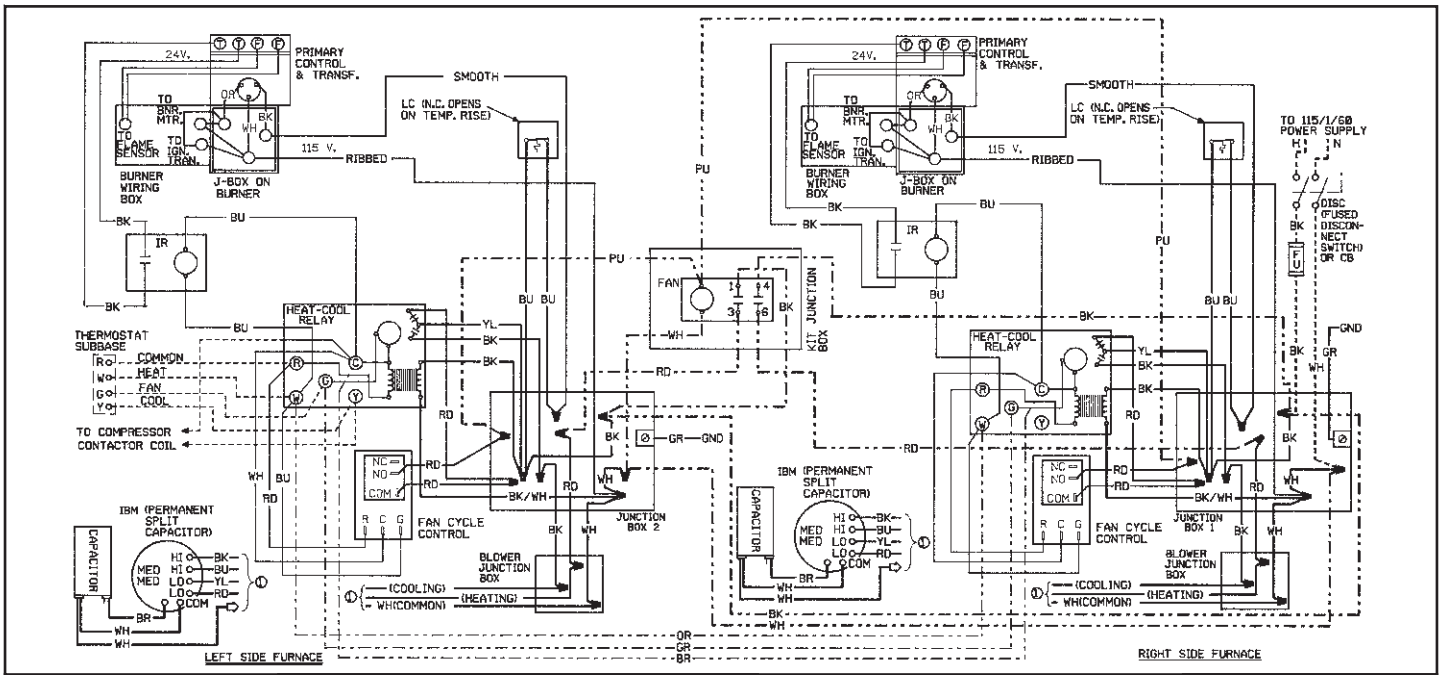


FIGURE 3



COMPONENT CODE

CB	CIRCUIT BREAKER
DISC	DISCONNECT SWITCH
FU	FUSE
GND	GROUND
⏚	GROUND SCREW
IBM	INDOOR BLOWER MOTOR
IR	ISOLATION RELAY
LC	LIMIT CONTROL
▲	WIRE NUT

NOTES:

① CONNECT WIRE(S) FROM JUNCTION BOX TO APPROPRIATE MOTOR LEADS FOR SPEEDS DESIRED. SEE BLOWER SPEED CHANGE INSTRUCTIONS.

② TO 115/1/60 POWER SUPPLY.

WARNING
CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C., AND LOCAL CODES.

WIRING INFORMATION

LINE VOLTAGE
FACTORY STANDARD
FACTORY OPTION
FIELD INSTALLED

LOW VOLTAGE
FACTORY STANDARD
FACTORY OPTION
FIELD INSTALLED

REPLACEMENT WIRE
MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105°C MIN.)

WARNING
CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C., (C.E.C.-CANADA) AND LOCAL CODES.

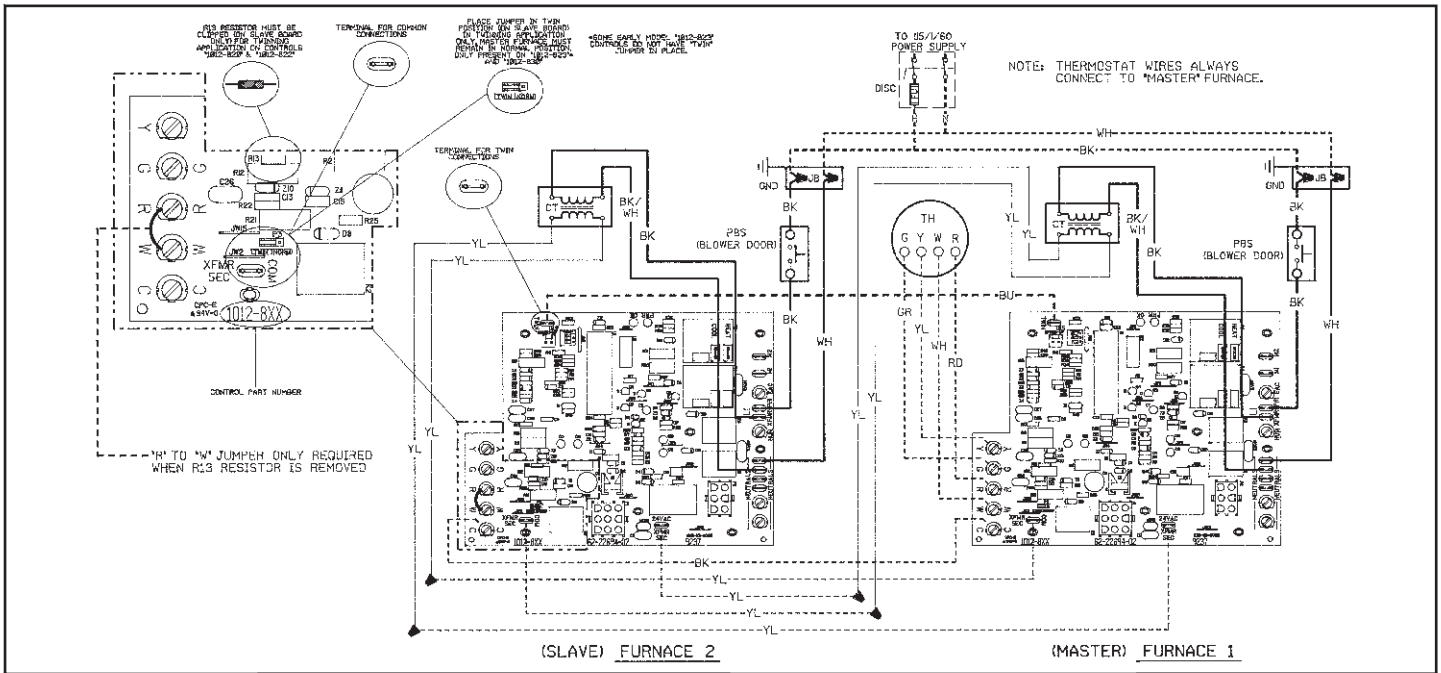
WIRE COLOR CODE

BK—BLACK	PU —PURPLE
BR—BROWN	RD —RED
BU—BLUE	WH—WHITE
GR—GREEN	YL —YELLOW
OR—ORANGE	

WIRING DIAGRAM

PARALLEL OPERATION OF OIL UPFLOW FURNACES

90-22924-02-00



COMPONENT CODE

CC	COMPRESSOR CONTACTOR
CT	CONTROL TRANSFORMER
DISC	DISCONNECT SWITCH
FU	FUSE
GND	GROUND
IBM	INDOOR BLOWER MOTOR
IFC	INTEGRATED FURNACE CONT.
JB	JUNCTION BOX
PBS	PUSH BUTTON SWITCH
TH	THERMOSTAT (H/C)
▲	WIRE NUT

NOTES:

① THIS DIAGRAM SHOWS FIELD WIRING ONLY FOR TWINNING OPERATION OF TWO GAS FURNACES EQUIPPED WITH HAMILTON STANDARD INTEGRATED IGNITION AND BLOWER CONTROL (IFC).

② THE HEATING AND COOLING OPERATION IS CONTROLLED BY ONE THERMOSTAT CONNECTED TO FURNACE 1 (IFC-1). THIS GIVES SIMULTANEOUS BLOWER OPERATION FOR FURNACES LOCATED SIDE BY SIDE CONNECTED TO THE SAME COOLING COIL AND/OR AIR CIRCULATING DUCT SYSTEM.

③ FOR DETAILS OF THE FURNACE INTERNAL WIRING AND CONTROLS, SEE THE WIRING DIAGRAM ON THE FURNACE OR IN THE FURNACE INSTALLATION INSTRUCTIONS.

WIRING INFORMATION

LINE VOLTAGE
FACTORY STANDARD
FACTORY OPTION
FIELD INSTALLED

LOW VOLTAGE
FACTORY STANDARD
FACTORY OPTION
FIELD INSTALLED

REPLACEMENT WIRE
MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105°C MIN.)

WARNING
CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C., (C.E.C.-CANADA) AND LOCAL CODES.

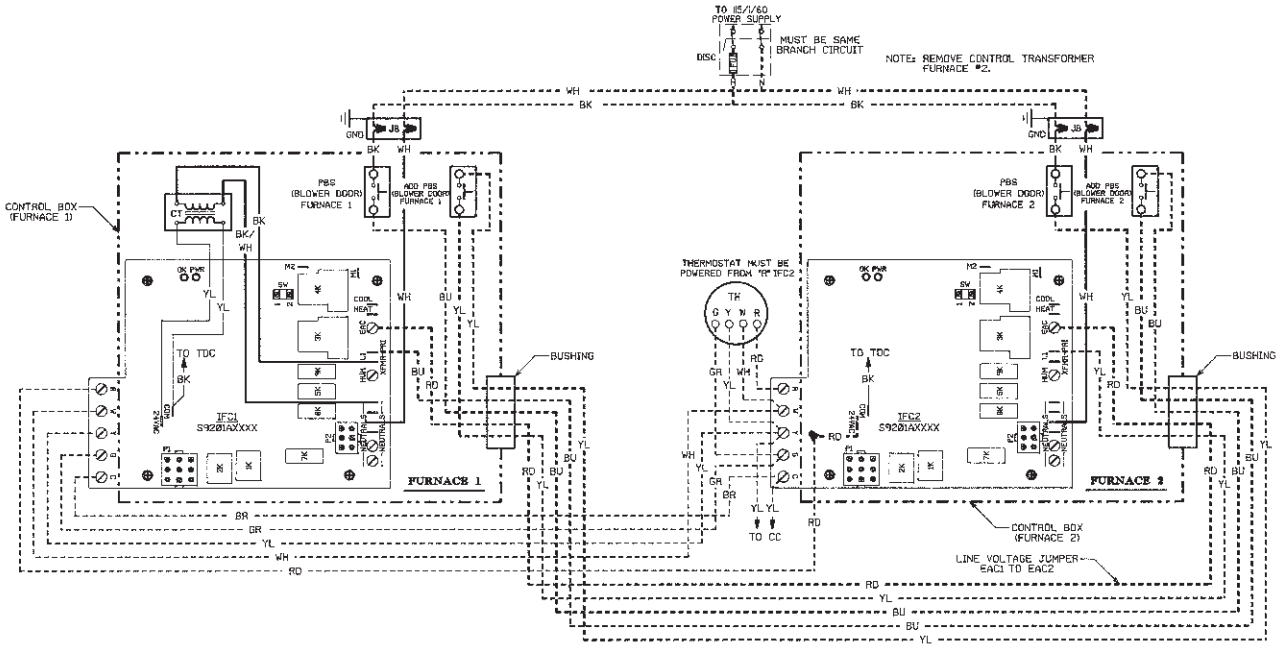
WIRE COLOR CODE

BK—BLACK	PU —PURPLE
BR—BROWN	RD —RED
BU—BLUE	WH—WHITE
GR—GREEN	YL —YELLOW
OR—ORANGE	

WIRING DIAGRAM

FIELD WIRING FOR TWINNING OPERATION OF TWO GAS FURNACES EQUIPPED WITH U.T.E.C. 1012-800 SERIES INTEGRATED FURNACE CONTROL

90-22775-01-06



COMPONENT CODE

CC	COMPRESSOR CONTACTOR
CT	CONTROL TRANSFORMER
DISC	DISCONNECT SWITCH
EAC	ELECTRONIC AIR CLEANER
FU	FUSE
GND	GROUND
HUM	HUMIDIFIER
IFC	INTEGRATED FURNACE CONT.
JB	JUNCTION BOX
PBS	PUSH BUTTON SWITCH
TDC	TIME DELAY CONTROL
TH	THERMOSTAT (H/C)
▲	WIRE NUT

NOTES:

① THIS DIAGRAM SHOWS FIELD WIRING ONLY FOR PARALLEL OPERATION OF TWO GAS FURNACES EQUIPPED WITH HONEYWELL S9201A-XXXX INTEGRATED IGNITION AND BLOWER CONTROL (IFC).

② THE HEATING AND COOLING OPERATION IS CONTROLLED BY ONE THERMOSTAT CONNECTED TO FURNACE 2 (IFC-2). THIS GIVES SIMULTANEOUS BLOWER OPERATION FOR FURNACES LOCATED SIDE BY SIDE CONNECTED TO THE SAME COOLING COIL AND/OR AIR CIRCULATING DUCT SYSTEM.

③ FOR DETAILS OF THE FURNACE INTERNAL WIRING AND CONTROLS, SEE THE WIRING DIAGRAM ON THE FURNACE OR IN THE FURNACE INSTALLATION INSTRUCTIONS.

WIRING INFORMATION

LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105°C MIN.)

WARNING
CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C., (C.E.C.-CANADA) AND LOCAL CODES.

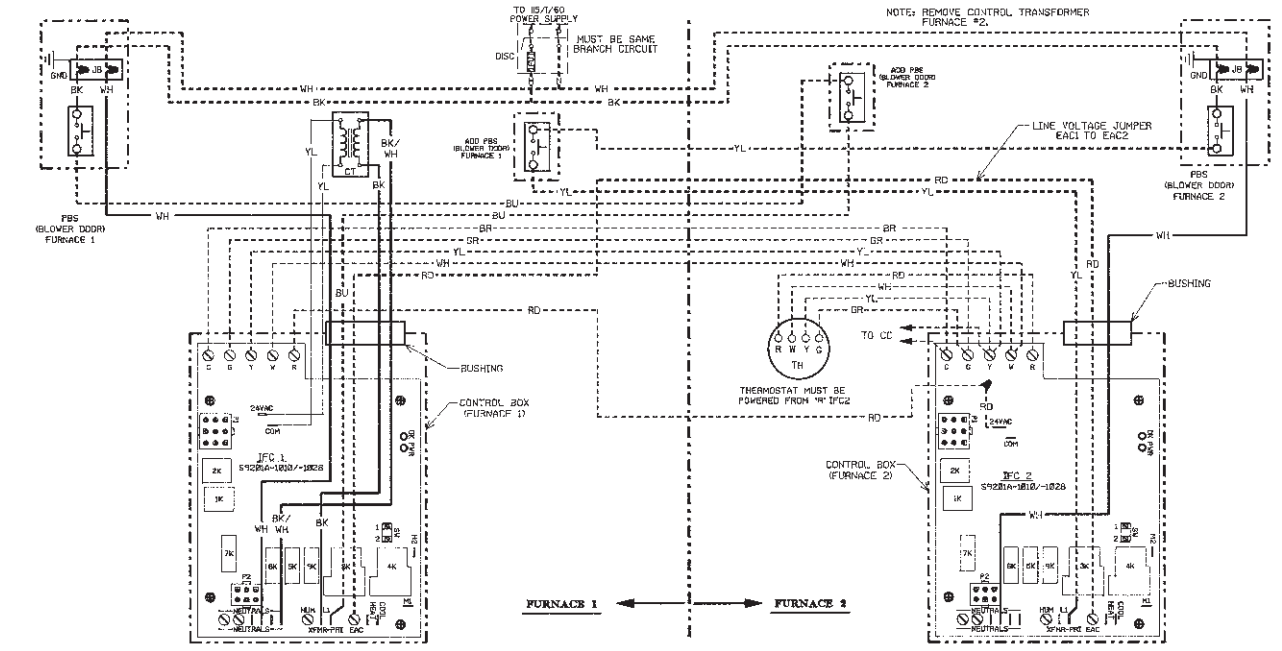
WIRE COLOR CODE

BK—BLACK	PU —PURPLE
BR—BROWN	RD —RED
BU—BLUE	WH—WHITE
GR—GREEN	YL —YELLOW
OR—ORANGE	

WIRING DIAGRAM

FIELD WIRING FOR PARALLEL OPERATION OF TWO GAS FURNACES EQUIPPED WITH HONEYWELL S9201A SERIES INTEGRATED FURNACE CONTROL

90-23553-01-00



COMPONENT CODE

CC	COMPRESSOR CONTACTOR
CT	CONTROL TRANSFORMER
DISC	DISCONNECT SWITCH
EAC	ELECTRONIC AIR CLEANER
FU	FUSE
GND	GROUND
HUM	HUMIDIFIER
IFC	INTEGRATED FURNACE CONT.
JB	JUNCTION BOX
PBS	PUSH BUTTON SWITCH
TH	THERMOSTAT (H/C)
▲	WIRE NUT

NOTES:

① THIS DIAGRAM SHOWS FIELD WIRING ONLY FOR PARALLEL OPERATION OF TWO GAS FURNACES EQUIPPED WITH HONEYWELL S9201A-1010 OR -1028 INTEGRATED IGNITION AND BLOWER CONTROL (IFC).

② THE HEATING AND COOLING OPERATION IS CONTROLLED BY ONE THERMOSTAT CONNECTED TO FURNACE 2 (IFC-2). THIS GIVES SIMULTANEOUS BLOWER OPERATION FOR FURNACES LOCATED SIDE BY SIDE CONNECTED TO THE SAME COOLING COIL AND/OR AIR CIRCULATING DUCT SYSTEM.

③ FOR DETAILS OF THE FURNACE INTERNAL WIRING AND CONTROLS, SEE THE WIRING DIAGRAM ON THE FURNACE OR IN THE FURNACE INSTALLATION INSTRUCTIONS.

WIRING INFORMATION

LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105°C MIN.)

WARNING
CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C., (C.E.C.-CANADA) AND LOCAL CODES.

WIRE COLOR CODE

BK—BLACK	PU —PURPLE
BR—BROWN	RD —RED
BU—BLUE	WH—WHITE
GR—GREEN	YL —YELLOW
OR—ORANGE	

WIRING DIAGRAM

FIELD WIRING FOR PARALLEL OPERATION OF TWO GAS FURNACES EQUIPPED WITH HONEYWELL S9201A SERIES INTEGRATED FURNACE CONTROL

90-23553-02-00

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