

# ADDISON®

## RECIRCULATED AIR SPLIT SYSTEM OUTDOOR CONDENSING UNITS PAIRED WITH MATCHED AIR HANDLER

### RCC-SERIES



### DIMENSION AND SELECTION GUIDE

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Intertek

RATED IN ACCORDANCE TO ANSI/AHRI STANDARDS 210/240-2008 OR 340/360-2007.

# UNIT DATA- RCC 044 WITH HCC 070 / VCC 070

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 210/240 - 2008.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	43,100			
		Sensible Capacity (Btu/h)	38,976			
		Electric Power (W)	2,850			
		Leaving Air Temperature (°F db / °F wb)	62.3/60.4			
		Energy Efficiency Ratio (EER)	13.2			
		Integrated Energy Efficiency Ratio (IEER)	16.4			
		Nominal Airflow (CFM)	2,000			
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	1 - 2.8 - Scroll			
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)			
		Electric Supply (V/Phase/Hz)	230/1/60	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	16.7	10.4	5.8	38
		Locked Rotor Amps (LRA)	79	73	38	37
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	1 - 1/2			
		FLA (ea)	6.2	5.4	2.7	1.3
		Type	PSC			
	UNIT	Unit Minimum Circuit Ampacity	27.0	18.4	9.9	6.0
		Max. Time Delay Fuse or HACR Breaker	40	25	20	10
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	4,000			
		Diameter (in)-Pitch (deg)	24 - 36			
	CONDENSER COIL(S)	Quantity	2			
		Tube Material - Fin Material	Copper - Aluminum			
		Face Area (sq. ft.)	15.4			
		Rows - Fins per Inch	4 - 12			
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	3/4 (Qty 1)			
		Liquid Line (in OD)	3/8 (Qty 1)			
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 1)			
		Optional Hot Gas Reheat (in OD)	3/8 (Qty 1)			
	CABINET	Sheet Metal	G90 Galvanized			
		Finish	Polyester Coating			
		Top Pan Thickness (ga)	16			
		Sides and Panels Thickness (ga)	18			
		Bottom Pan Thickness (ga)	16			
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	24			
WEIGHTS	Unit Weight (lbs)	560				
	Shipping Weight (lbs)	610				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM	ENTERING AIR TEMPERATURE (F)								
		75 DB			80 DB			85 DB		
		63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
1,600	Total Capacity (Btu/h)	36,081	38,895	41,383	37,396	39,200	41,706	39,572	39,769	41,583
	Sensible Capacity (Btu/h)	36,081	25,122	18,872	37,396	32,858	25,941	39,572	39,769	34,237
	Electric Power (W)	3,097	3,166	3,182	3,148	3,126	3,154	3,117	3,166	3,130
	Leaving Air Temperature (F db/F wb)	57.3 / 55.4	60.8 / 59.6	64.4 / 63.8	58.7 / 55.1	61.4 / 59.4	65.4 / 63.7	62.4 / 54.6	62.4 / 59.3	65.7 / 63.7
1,800	Total Capacity (Btu/h)	36,645	39,396	41,833	38,418	39,611	42,271	40,723	40,944	42,207
	Sensible Capacity (Btu/h)	36,645	26,517	19,648	38,418	35,438	28,454	40,723	40,944	36,852
	Electric Power (W)	3,106	3,171	3,179	3,161	3,173	3,205	3,124	3,176	3,135
	Leaving Air Temperature (F db/F wb)	58.1 / 56.2	61.7 / 60.4	65.2 / 64.6	60.6 / 55.8	62.2 / 60.3	65.8 / 64.5	64.4 / 55.3	64.3 / 60.0	66.5 / 64.4
2,000	Total Capacity (Btu/h)	37,073	39,747	42,344	39,351	40,075	42,694	41,693	41,984	42,616
	Sensible Capacity (Btu/h)	35,180	27,295	20,736	39,351	37,136	29,311	41,693	41,984	39,046
	Electric Power (W)	3,103	3,152	3,183	3,161	3,154	3,172	3,131	3,171	3,139
	Leaving Air Temperature (F db/F wb)	59.0 / 56.9	62.7 / 61.0	65.7 / 65.2	62.1 / 56.4	63.2 / 60.9	66.8 / 65.1	66.0 / 65.0	65.9 / 60.6	67.4 / 65.1

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 054 WITH HCC 070 / VCC 070

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 210/240 - 2008.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	55,400			
		Sensible Capacity (Btu/h)	45,167			
		Electric Power (W)	3,666			
		Leaving Air Temperature (°F db / °F wb)	61.4/59.2			
		Energy Efficiency Ratio (EER)	13.2			
		Integrated Energy Efficiency Ratio (IEER)	16.4			
		Nominal Airflow (CFM)	2,200			
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	1 - 3.8 - Scroll			
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)			
		Electric Supply (V/Phase/Hz)	230/1/60	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	21.8	13.7	6.2	4.8
		Locked Rotor Amps (LRA)	117	83	41	33
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	1 - 1/2			
		FLA (ea)	6.2	5.4	2.7	1.3
		Type	PSC			
	UNIT	Unit Minimum Circuit Ampacity	33.5	22.5	10.5	7.3
		Max. Time Delay Fuse or HACR Breaker	50	35	15	10
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	4,000			
		Diameter (in)-Pitch (deg)	24 - 36			
	CONDENSER COIL(S)	Quantity	2			
		Tube Material - Fin Material	Copper - Aluminum			
		Face Area (sq. ft.)	15.4			
		Rows - Fins per Inch	4 - 12			
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	7/8 (Qty 1)			
		Liquid Line (in OD)	1/2 (Qty 1)			
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 1)			
		Optional Hot Gas Reheat (in OD)	3/8 (Qty 1)			
	CABINET	Sheet Metal	G90 Galvanized			
		Finish	Polyester Coating			
		Top Pan Thickness (ga)	16			
		Sides and Panels Thickness (ga)	18			
		Bottom Pan Thickness (ga)	16			
REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	24				
WEIGHTS	Unit Weight (lbs)	585				
	Shipping Weight (lbs)	635				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM	ENTERING AIR TEMPERATURE (F)								
		75 DB			80 DB			85 DB		
		63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
2,000	Total Capacity (Btu/h)	47,005	50,370	53,471	47,862	50,425	53,959	50,810	51,068	54,153
	Sensible Capacity (Btu/h)	39,171	31,426	23,858	47,862	40,951	33,127	50,810	50,398	42,947
	Electric Power (W)	4,267	4,282	4,291	4,272	4,280	4,294	4,283	4,284	4,297
	Leaving Air Temperature (F db/F wb)	57.2 / 55.1	60.8 / 59.3	64.3 / 63.6	58.2 / 54.9	61.4 / 59.2	65.1 / 63.4	61.8 / 54.3	62.1 / 69.0	65.6 / 63.3
2,200	Total Capacity (Btu/h)	47,303	50,585	53,774	48,721	50,773	54,160	51,758	51,812	54,328
	Sensible Capacity (Btu/h)	40,850	32,162	24,541	48,721	42,848	34,029	51,758	51,812	44,690
	Electric Power (W)	4,342	4,354	4,366	4,349	4,355	4,365	4,361	4,361	4,366
	Leaving Air Temperature (F db/F wb)	58.1 / 55.8	61.8 / 60.0	65.0 / 64.3	59.8 / 55.5	62.4 / 59.9	66.1 / 64.1	63.5 / 55.0	63.6 / 59.7	66.7 / 64.1
2,400	Total Capacity (Btu/h)	47,625	50,861	53,982	49,439	51,096	54,479	52,562	52,612	54,695
	Sensible Capacity (Btu/h)	42,804	33,487	25,206	49,439	44,855	35,473	52,562	52,612	46,891
	Electric Power (W)	4,421	4,432	4,440	4,425	4,433	4,442	4,436	4,437	4,443
	Leaving Air Temperature (F db/F wb)	58.8 / 56.4	62.4 / 60.6	65.6 / 64.8	61.2 / 56.1	63.1 / 60.5	66.7 / 64.2	65.0 / 55.6	65.1 / 60.3	67.4 / 64.6

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 064 WITH HCC 070 / VCC 070

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 210/240 - 2008.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	70,600			
		Sensible Capacity (Btu/h)	55,245			
		Electric Power (W)	4,677			
		Leaving Air Temperature (°F db / °F wb)	59.1/57.8			
		Energy Efficiency Ratio (EER)	13.2			
		Integrated Energy Efficiency Ratio (IEER)	16.2			
		Nominal Airflow (CFM)	2,400			
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	1 - 4.8 - Scroll			
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)			
		Electric Supply (V/Phase/Hz)	230/1/60	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	26.3	15.6	7.8	5.8
		Locked Rotor Amps (LRA)	134	110	52	39
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	1 - 1/2			
		FLA (ea)	6.2	5.4	2.7	1.3
		Type	PSC			
	UNIT	Unit Minimum Circuit Ampacity	39.1	24.9	26.3	8.5
		Max. Time Delay Fuse or HACR Breaker	60	40	20	10
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	4,000			
		Diameter (in)-Pitch (deg)	24 - 36			
	CONDENSER COIL(S)	Quantity	2			
		Tube Material - Fin Material	Copper - Aluminum			
		Face Area (sq. ft.)	15.4			
		Rows - Fins per Inch	4 - 12			
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	7/8 (Qty 1)			
		Liquid Line (in OD)	1/2 (Qty 1)			
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 1)			
		Optional Hot Gas Reheat (in OD)	3/8 (Qty 1)			
	CABINET	Sheet Metal	G90 Galvanized			
		Finish	Polyester Coating			
		Top Pan Thickness (ga)	16			
		Sides and Panels Thickness (ga)	18			
		Bottom Pan Thickness (ga)	16			
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	26			
WEIGHTS	Unit Weight (lbs)	605				
	Shipping Weight (lbs)	655				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM	ENTERING AIR TEMPERATURE (F)								
		75 DB			80 DB			85 DB		
		63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
2,200	Total Capacity (Btu/h)	60,045	64,118	68,100	60,598	64,378	68,516	63,851	64,806	68,724
	Sensible Capacity (Btu/h)	48,366	39,889	29,422	59,454	50,413	41,648	63,851	61,705	52,114
	Electric Power (W)	5,390	5,437	5,486	5,396	5,440	5,490	5,434	5,445	5,494
	Leaving Air Temperature (F db/F wb)	55.0 / 53.7	58.6 / 57.7	63.0 / 62.3	55.4 / 53.5	59.2 / 57.8	62.9 / 62.2	58.5 / 53.0	59.5 / 57.7	63.6 / 62.1
2,400	Total Capacity (Btu/h)	60,425	64,629	68,576	61,450	64,768	68,992	65,151	65,531	69,348
	Sensible Capacity (Btu/h)	50,094	41,631	30,133	61,450	52,326	43,496	65,151	64,587	54,799
	Electric Power (W)	5,468	5,520	5,569	5,481	5,519	5,573	5,525	5,531	5,580
	Leaving Air Temperature (F db/F wb)	56.0 / 54.5	59.3 / 58.7	63.7 / 63.0	56.7 / 54.3	60.2 / 58.6	63.7 / 62.9	60.2 / 53.7	60.6 / 58.4	64.4 / 62.8
2,600	Total Capacity (Btu/h)	60,915	64,959	68,930	62,470	65,124	69,455	66,270	66,348	69,738
	Sensible Capacity (Btu/h)	52,413	43,104	30,849	62,470	54,454	45,551	66,270	66,348	57,117
	Electric Power (W)	5,551	5,599	5,649	5,569	5,599	5,657	5,615	5,616	5,661
	Leaving Air Temperature (F db/F wb)	56.7 / 55.1	60.0 / 59.3	64.3 / 63.6	58.1 / 54.9	61.0 / 59.3	64.2 / 63.5	61.7 / 54.3	61.8 / 59.1	65.2 / 63.4

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 074 WITH HCC 074 / VCC 074

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	79,300			
		Sensible Capacity (Btu/h)	58,100			
		Electric Power (W)	6,590			
		Leaving Air Temperature (°F db / °F wb)	59.8/57.4			
		Energy Efficiency Ratio (EER)	12.0			
		Integrated Energy Efficiency Ratio (IEER)	16.0			
		Nominal Airflow (CFM)	2,600			
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 3.2 - Scroll			
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)			
		Electric Supply (V/Phase/Hz)	230/1/60	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	17.9	13.5	6.0	4.9
		Locked Rotor Amps (LRA)	112	88	44	34
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	1 - 1			
		FLA (ea)	6.2	5.4	2.7	2.0
		Type	PSC			
	UNIT	Unit Minimum Circuit Ampacity	46.5	35.8	16.2	13.1
		Max. Time Delay Fuse or HACR Breaker	60	45	20	15
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	6,200			
		Diameter (in)-Pitch (deg)	26 - 26			
	CONDENSER COIL(S)	Quantity	3			
		Tube Material - Fin Material	Copper - Aluminum			
		Face Area (sq. ft.)	23.1			
		Rows - Fins per Inch	4 - 12			
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	7/8 (Qty 2)			
		Liquid Line (in OD)	3/8 (Qty 2)			
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 2)			
		Optional Hot Gas Reheat (in OD)	3/8 (Qty 2)			
	CABINET	Sheet Metal	G90 Galvanized			
		Finish	Polyester Coating			
		Top Pan Thickness (ga)	16			
		Sides and Panels Thickness (ga)	18			
		Bottom Pan Thickness (ga)	16			
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	14			
		WEIGHTS	Unit Weight (lbs)	695		
Shipping Weight (lbs)	745					

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM	ENTERING AIR TEMPERATURE (F)								
		75 DB			80 DB			85 DB		
		63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
2,200	Total Capacity (Btu/h)	72,188	76,654	80,968	72,300	77,386	82,678	73,874	77,776	82,950
	Sensible Capacity (Btu/h)	53,776	43,936	34,694	64,778	55,348	46,386	73,874	67,282	57,338
	Electric Power (W)	6,536	6,566	6,616	6,514	6,566	6,642	6,522	6,582	6,638
	Leaving Air Temperature (F db/F wb)	54.6 / 52.6	58.4 / 57.0	58.4 / 57.0	55.4 / 52.6	59.1 / 56.8	62.6 / 61.1	56.9 / 52.3	59.5 / 56.7	63.4 / 61.0
2,400	Total Capacity (Btu/h)	72,900	78,044	80,986	36,702	78,408	83,584	74,722	78,558	83,268
	Sensible Capacity (Btu/h)	55,208	45,746	35,684	67,816	57,770	47,688	74,722	69,768	58,688
	Electric Power (W)	3,259	6,584	6,628	6,536	6,586	6,650	6,528	6,580	6,648
	Leaving Air Temperature (F db/F wb)	55.7 / 53.4	59.1 / 57.6	62.7 / 62.1	56.2 / 53.3	59.9 / 57.6	63.5 / 61.8	58.8 / 53.1	60.6 / 57.5	64.6 / 61.8
2,800	Total Capacity (Btu/h)	73,778	78,832	82,606	73,836	78,632	84,146	75,984	79,386	85,066
	Sensible Capacity (Btu/h)	57,518	46,992	36,424	69,990	54,814	48,386	75,984	36,290	60,718
	Electric Power (W)	6,544	6,592	6,636	6,530	6,586	6,656	6,544	3,293	6,668
	Leaving Air Temperature (F db/F wb)	56.3 / 54.1	59.8 / 58.3	63.3 / 62.7	57.2 / 54.0	61.0 / 51.2	64.4 / 62.5	60.2 / 53.7	61.5 / 58.1	65.0 / 62.3

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 104 WITH HCC 104 / VCC 104

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	98,100			
		Sensible Capacity (Btu/h)	77,780			
		Electric Power (W)	8,490			
		Leaving Air Temperature (°F db / °F wb)	59.3/58.0			
		Energy Efficiency Ratio (EER)	11.5			
		Integrated Energy Efficiency Ratio (IEER)	15.1			
		Nominal Airflow (CFM)	3,400			
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 3.8 - Scroll			
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)			
		Electric Supply (V/Phase/Hz)	230/1/60	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	21.8	13.7	6.2	4.8
		Locked Rotor Amps (LRA)	117	83	41	33
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	1 - 1			
		FLA (ea)	6.2	5.4	2.7	2.0
		Type	PSC			
	UNIT	Unit Minimum Circuit Ampacity	55.3	36.2	16.7	12.8
		Max. Time Delay Fuse or HACR Breaker	75	45	20	15
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	6,200			
		Diameter (in)-Pitch (deg)	26 - 26			
	CONDENSER COIL(S)	Quantity	3			
		Tube Material - Fin Material	Copper - Aluminum			
		Face Area (sq. ft.)	23.1			
		Rows - Fins per Inch	4 - 12			
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	<sup>7</sup> / <sub>8</sub> (Qty 2)			
		Liquid Line (in OD)	<sup>1</sup> / <sub>2</sub> (Qty 2)			
		Optional Hot Gas Bypass (in OD)	<sup>3</sup> / <sub>8</sub> (Qty 2)			
		Optional Hot Gas Reheat (in OD)	<sup>3</sup> / <sub>8</sub> (Qty 2)			
	CABINET	Sheet Metal	G90 Galvanized			
		Finish	Polyester Coating			
		Top Pan Thickness (ga)	16			
		Sides and Panels Thickness (ga)	18			
		Bottom Pan Thickness (ga)	16			
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	18			
WEIGHTS		Unit Weight (lbs)	870			
	Shipping Weight (lbs)	945				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM	ENTERING AIR TEMPERATURE (F)								
		75 DB			80 DB			85 DB		
		63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
3,000	Total Capacity (Btu/h)	89,298	95,366	101,426	90,234	95,790	102,098	93,982	96,574	102,532
	Sensible Capacity (Btu/h)	69,066	57,242	43,092	84,742	72,128	59,976	93,982	87,700	74,928
	Electric Power (W)	8,488	8,546	8,596	8,506	8,552	8,602	4,269	8,558	8,606
	Leaving Air Temperature (F db/F wb)	54.1 / 52.8	57.7 / 57.0	62.1 / 61.4	54.3 / 52.6	58.2 / 56.9	62.0 / 61.2	56.4 / 52.1	58.5 / 56.8	62.4 / 61.1
3,400	Total Capacity (Btu/h)	90,566	96,616	102,632	91,932	97,162	103,372	97,036	98,230	103,860
	Sensible Capacity (Btu/h)	73,508	60,458	44,538	90,482	76,958	63,886	97,036	94,104	79,974
	Electric Power (W)	8,660	8,698	8,756	8,670	8,714	8,764	8,712	8,722	4,384
	Leaving Air Temperature (F db/F wb)	55.3 / 53.9	58.9 / 58.2	63.2 / 62.5	55.8 / 53.7	59.5 / 58.1	63.1 / 62.4	59.0 / 53.1	59.9 / 57.9	62.8 / 62.3
3,800	Total Capacity (Btu/h)	91,536	97,450	103,512	93,820	97,948	104,094	99,532	99,700	104,660
	Sensible Capacity (Btu/h)	77,702	63,928	46,000	93,820	80,878	67,042	99,532	99,304	84,330
	Electric Power (W)	8,818	8,866	8,912	8,836	8,866	8,916	8,882	8,882	8,920
	Leaving Air Temperature (F db/F wb)	56.4 / 54.9	59.8 / 59.1	64.1 / 63.4	57.5 / 54.6	60.7 / 59.0	64.1 / 63.3	61.1 / 54.0	61.3 / 58.8	65.0 / 63.2

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 134 WITH HCC 134 / VCC 134

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	123,700		
		Sensible Capacity (Btu/h)	98,060		
		Electric Power (W)	11,124		
		Leaving Air Temperature (°F db / °F wb)	57.8/57.3		
		Energy Efficiency Ratio (EER)	11.1		
		Integrated Energy Efficiency Ratio (IEER)	11.9		
		Nominal Airflow (CFM)	4,000		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 4.5 - Scroll		
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)		
		Electric Supply (V/Phase/Hz)	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	16.0	7.8	5.7
		Locked Rotor Amps (LRA)	110	52	39
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	1 - 1		
		FLA (ea)	5.4	2.7	2.0
		Type	PSC		
	UNIT	Unit Minimum Circuit Ampacity	41.4	20.3	14.8
		Max. Time Delay Fuse or HACR Breaker	55	30	20
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	6,200		
		Diameter (in)-Pitch (deg)	26 - 26		
	CONDENSER COIL(S)	Quantity	3		
		Tube Material - Fin Material	Copper - Aluminum		
		Face Area (sq. ft.)	23.1		
		Rows - Fins per Inch	4 - 12		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	7/8 (Qty 2)		
		Liquid Line (in OD)	1/2 (Qty 2)		
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 2)		
		Optional Hot Gas Reheat (in OD)	3/8 (Qty 2)		
	CABINET	Sheet Metal	G90 Galvanized		
		Finish	Polyester Coating		
		Top Pan Thickness (ga)	16		
		Sides and Panels Thickness (ga)	18		
		Bottom Pan Thickness (ga)	16		
REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	20			
	WEIGHTS	Unit Weight (lbs)	915		
Shipping Weight (lbs)		990			

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM	ENTERING AIR TEMPERATURE (F)								
		75 DB			80 DB			85 DB		
		63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
3,800	Total Capacity (Btu/h)	118,874	126,208	133,734	119,950	126,962	134,488	124,926	127,694	134,910
	Sensible Capacity (Btu/h)	95,378	77,472	59,504	113,854	98,938	81,008	124,926	117,290	102,074
	Electric Power (W)	9,764	9,892	10,036	9,780	9,910	10,052	9,870	9,922	10,058
	Leaving Air Temperature (F db/F wb)	52.2 / 52.0	58.6 / 57.9	60.9 / 60.0	52.7 / 52.0	56.4 / 56.0	60.8 / 60.0	55.0 / 51.5	57.0 / 56.3	60.7 / 60.5
4,000	Total Capacity (Btu/h)	119,810	127,108	134,596	121,056	127,826	135,416	126,798	128,732	135,816
	Sensible Capacity (Btu/h)	98,196	79,420	60,460	117,346	101,918	83,102	126,798	120,742	105,292
	Electric Power (W)	9,780	9,910	10,052	980	9,926	10,070	9,904	9,940	10,076
	Leaving Air Temperature (F db/F wb)	52.7 / 52.0	59.1 / 58.4	61.4 / 61.0	53.3 / 52.5	56.9 / 56.2	61.3 / 61.0	56.1 / 51.9	57.6 / 56.8	61.2 / 61.0
4,400	Total Capacity (Btu/h)	120,660	127,904	135,408	122,126	128,472	136,264	128,542	129,798	136,630
	Sensible Capacity (Btu/h)	100,998	81,310	61,418	120,580	104,660	85,190	128,542	124,438	108,474
	Electric Power (W)	9,796	9,924	10,068	9,822	9,934	10,088	9,936	9,960	10,092
	Leaving Air Temperature (F db/F wb)	53.1 / 52.8	59.3 / 58.7	61.8 / 61.0	53.9 / 53.0	57.4 / 57.0	61.7 / 61.3	57.1 / 52.3	58.1 / 57.2	61.7 / 61.6

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 154 WITH HCC 154 / VCC 154

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	170,100		
		Sensible Capacity (Btu/h)	130,050		
		Electric Power (W)	14,535		
		Leaving Air Temperature (°F db / °F wb)	58.6/57.3		
		Energy Efficiency Ratio (EER)	11.7		
		Integrated Energy Efficiency Ratio (IEER)	14.8		
		Nominal Airflow (CFM)	5,500		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 6.0 - Scroll		
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)		
		Electric Supply (V/Phase/Hz)	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	23.2	11.2	7.9
		Locked Rotor Amps (LRA)	164	75	54
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	2 - 1		
		FLA (ea)	3.4/5.4	1.7/2.7	2.0/2.0
		Type	PSC		
	UNIT	Unit Minimum Circuit Ampacity	61.0	29.6	17.8
		Max. Time Delay Fuse or HACR Breaker	80	40	25
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	12,400		
		Diameter (in)-Pitch (deg)	26 - 32		
	CONDENSER COIL(S)	Quantity	4		
		Tube Material - Fin Material	Copper - Aluminum		
		Face Area (sq. ft.)	30.8		
		Rows - Fins per Inch	4 - 12		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	7/8 (Qty 2)		
		Liquid Line (in OD)	1/2 (Qty 2)		
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 2)		
		Optional Hot Gas Reheat (in OD)	1/2 (Qty 2)		
	CABINET	Sheet Metal	G90 Galvanized		
		Finish	Polyester Coating		
		Top Pan Thickness (ga)	16		
		Sides and Panels Thickness (ga)	18		
		Bottom Pan Thickness (ga)	16		
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	25		
		WEIGHTS	Unit Weight (lbs)	1,335	
Shipping Weight (lbs)	1,435				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM		ENTERING AIR TEMPERATURE (F)								
			75 DB			80 DB			85 DB		
			63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
5,000	Total Capacity (Btu/h)	150,430	160,528	170,634	150,806	161,202	171,744	152,002	161,484	172,580	
	Sensible Capacity (Btu/h)	108,476	89,598	70,236	127,590	112,202	93,032	148,774	131,316	115,976	
	Electric Power (W)	14,268	14,418	14,560	14,274	14,430	14,576	14,296	14,430	14,594	
	Leaving Air Temperature (F db/F wb)	50.4 / 49.7	54.7 / 54.1	59.2 / 58.5	50.9 / 49.6	54.6 / 53.9	59.0 / 58.3	51.1 / 49.4	55.2 / 53.8	58.8 / 58.2	
5,500	Total Capacity (Btu/h)	156,504	167,050	176,984	157,780	167,388	178,086	164,738	168,562	178,956	
	Sensible Capacity (Btu/h)	122,452	102,490	75,660	150,636	127,234	106,426	164,738	155,800	132,652	
	Electric Power (W)	14,932	15,088	15,228	14,954	15,086	15,240	15,054	15,110	15,258	
	Leaving Air Temperature (F db/F wb)	54.8 / 53.3	58.1 / 57.5	62.6 / 61.9	55.1 / 53.1	59.0 / 57.4	62.6 / 61.8	57.7 / 52.6	59.3 / 57.3	63.2 / 61.7	
6,000	Total Capacity (Btu/h)	157,904	168,078	178,186	159,450	168,862	179,410	168,040	169,928	179,850	
	Sensible Capacity (Btu/h)	128,014	105,718	77,316	157,028	133,384	111,132	168,040	162,308	137,702	
	Electric Power (W)	15,148	15,286	15,436	15,168	15,302	15,452	15,290	15,314	15,460	
	Leaving Air Temperature (F db/F wb)	55.6 / 54.1	59.1 / 58.3	63.4 / 62.7	56.2 / 53.9	59.9 / 58.2	63.3 / 62.5	59.4 / 53.3	60.4 / 58.1	64.3 / 62.5	

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.



# UNIT DATA- RCC 194 WITH HCC 194 / VCC 194

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	186,300		
		Sensible Capacity (Btu/h)	143,312		
		Electric Power (W)	16,846		
		Leaving Air Temperature (°F db / °F wb)	58.4/57.2		
		Energy Efficiency Ratio (EER)	11.0		
		Integrated Energy Efficiency Ratio (IEER)	13.4		
		Nominal Airflow (CFM)	6,000		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 7.2 - Scroll		
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)		
		Electric Supply (V/Phase/Hz)	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	25.0	12.2	9.0
		Locked Rotor Amps (LRA)	164	100	78
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	2 - 1		
		FLA (ea)	3.4/5.4	1.7/2.7	2.0/2.0
		Type	PSC		
	UNIT	Unit Minimum Circuit Ampacity	65.1	31.9	24.3
		Max. Time Delay Fuse or HACR Breaker	90	40	30
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	12,400		
		Diameter (in)-Pitch (deg)	26 - 32		
	CONDENSER COIL(S)	Quantity	4		
		Tube Material - Fin Material	Copper - Aluminum		
		Face Area (sq. ft.)	30.8		
		Rows - Fins per Inch	4 - 12		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	7/8 (Qty 2)		
		Liquid Line (in OD)	5/8 (Qty 2)		
		Optional Hot Gas Bypass (in OD)	3/8 (Qty 2)		
		Optional Hot Gas Reheat (in OD)	1/2 (Qty 2)		
	CABINET	Sheet Metal	G90 Galvanized		
		Finish	Polyester Coating		
		Top Pan Thickness (ga)	16		
		Sides and Panels Thickness (ga)	18		
		Bottom Pan Thickness (ga)	16		
REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	26			
	WEIGHTS	Unit Weight (lbs)	1,335		
Shipping Weight (lbs)		1,435			

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM		ENTERING AIR TEMPERATURE (F)								
			75 DB			80 DB			85 DB		
			63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
5,500		Total Capacity (Btu/h)	171,254	182,314	193,214	172,960	182,892	194,388	179,174	184,310	194,624
		Sensible Capacity (Btu/h)	133,720	108,444	81,752	159,000	139,270	113,174	179,174	164,448	143,432
		Electric Power (W)	16,632	16,850	17,052	16,662	16,862	17,076	16,796	16,886	17,078
		Leaving Air Temperature (F db/F wb)	52.9 / 52.2	57.2 / 56.6	61.6 / 61.0	53.7 / 52.1	57.1 / 56.4	61.5 / 60.8	55.3 / 51.6	57.9 / 56.3	61.5 / 60.7
6,000		Total Capacity (Btu/h)	173,536	184,524	195,444	175,734	185,372	196,660	183,782	187,374	197,140
		Sensible Capacity (Btu/h)	136,660	113,200	84,118	167,128	142,986	118,574	183,782	173,364	147,320
		Electric Power (W)	16,672	16,892	17,094	16,712	16,910	17,122	16,878	16,946	17,126
		Leaving Air Temperature (F db/F wb)	54.3 / 53.1	57.9 / 57.4	62.4 / 61.8	54.6 / 52.9	58.4 / 57.3	62.2 / 61.6	57.0 / 52.3	58.8 / 57.1	62.8 / 61.6
6,500		Total Capacity (Btu/h)	175,660	186,406	197,320	178,518	187,496	198,346	187,878	189,960	199,284
		Sensible Capacity (Btu/h)	143,204	117,952	86,592	174,506	149,436	123,030	187,878	181,912	154,034
		Electric Power (W)	16,732	16,928	17,130	16,762	16,950	17,148	16,954	16,994	17,166
		Leaving Air Temperature (F db/F wb)	55.0 / 53.8	58.6 / 58.1	63.0 / 62.5	55.5 / 53.6	59.2 / 58.0	62.9 / 62.3	58.6 / 53.0	59.6 / 57.8	63.6 / 62.2

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 254 WITH HCC 254 / VCC 254

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	249,000		
		Sensible Capacity (Btu/h)	189,550		
		Electric Power (W)	24,332		
		Leaving Air Temperature (°F db / °F wb)	58.5/57.2		
		Energy Efficiency Ratio (EER)	10.2		
		Integrated Energy Efficiency Ratio (IEER)	13.1		
		Nominal Airflow (CFM)	8,000		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 10.5 - Scroll		
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)		
		Electric Supply (V/Phase/Hz)	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	33.3	17.9	12.8
		Locked Rotor Amps (LRA)	239	125	80
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	2 - 1		
		FLA (ea)	3.4/5.4	1.7/2.7	2.0/2.0
		Type	PSC		
	UNIT	Unit Minimum Circuit Ampacity	83.7	44.7	32.8
		Max. Time Delay Fuse or HACR Breaker	110	60	40
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	12,400		
		Diameter (in)-Pitch (deg)	26 - 32		
	CONDENSER COIL(S)	Quantity	4		
		Tube Material - Fin Material	Copper - Aluminum		
		Face Area (sq. ft.)	30.8		
		Rows - Fins per Inch	4 - 12		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	1 <sup>3</sup> / <sub>8</sub> (Qty 2)		
		Liquid Line (in OD)	5/ <sub>8</sub> (Qty 2)		
		Optional Hot Gas Bypass (in OD)	1/ <sub>2</sub> (Qty 2)		
		Optional Hot Gas Reheat (in OD)	5/ <sub>8</sub> (Qty 2)		
	CABINET	Sheet Metal	G90 Galvanized		
		Finish	Polyester Coating		
		Top Pan Thickness (ga)	16		
		Sides and Panels Thickness (ga)	18		
		Bottom Pan Thickness (ga)	16		
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	30		
		WEIGHTS	Unit Weight (lbs)	1,335	
Shipping Weight (lbs)	1,435				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM		ENTERING AIR TEMPERATURE (F)								
			75 DB			80 DB			85 DB		
			63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
6,000	Total Capacity (Btu/h)	222,126	236,602	251,144	222,198	237,332	252,634	224,998	237,476	253,490	
	Sensible Capacity (Btu/h)	161,222	131,498	103,286	188,692	164,982	136,418	220,358	193,992	186,624	
	Electric Power (W)	23,862	24,192	24,602	23,860	24,212	24,612	23,936	24,248	24,830	
	Leaving Air Temperature (F db/F wb)	50.6 / 49.9	55.2 / 54.3	59.5 / 58.8	51.4 / 49.9	55.1 / 54.2	59.5 / 58.6	51.5 / 49.6	55.6 / 54.1	60.9 / 60.2	
7,000	Total Capacity (Btu/h)	227,760	242,626	257,228	229,828	243,414	256,036	235,662	245,056	259,512	
	Sensible Capacity (Btu/h)	170,496	141,026	108,122	207,240	180,166	146,674	235,662	212,604	186,624	
	Electric Power (W)	24,000	24,348	24,764	24,056	24,370	24,736	24,208	24,446	24,830	
	Leaving Air Temperature (F db/F wb)	52.9 / 51.7	56.8 / 56.0	61.1 / 60.4	53.0 / 51.5	56.7 / 55.9	61.1 / 60.4	54.3 / 51.2	57.4 / 55.8	60.9 / 60.2	
8,000	Total Capacity (Btu/h)	232,298	247,244	261,956	234,492	245,986	263,714	240,834	249,964	264,252	
	Sensible Capacity (Btu/h)	181,414	150,344	112,668	222,478	187,554	158,694	240,834	229,846	196,018	
	Electric Power (W)	24,082	24,468	24,868	24,176	24,470	24,950	24,338	24,580	24,940	
	Leaving Air Temperature (F db/F wb)	54.4 / 53.0	58.0 / 57.3	62.3 / 61.7	54.7 / 52.9	58.8 / 57.3	62.1 / 61.6	57.5 / 52.5	58.9 / 57.1	62.9 / 61.5	

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 314 WITH HCC 314 / VCC 314

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	307,100		
		Sensible Capacity (Btu/h)	235,316		
		Electric Power (W)	26,890		
		Leaving Air Temperature (°F db / °F wb)	58.7/57.3		
		Energy Efficiency Ratio (EER)	11.4		
		Integrated Energy Efficiency Ratio (IEER)	12.4		
		Nominal Airflow (CFM)	10,000		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 12 - Scroll		
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)		
		Electric Supply (V/Phase/Hz)	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	48.1	18.6	14.7
		Locked Rotor Amps (LRA)	245	125	100
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	2 - 1		
		FLA (ea)	3.4/3.4/5.4/5.4	1.7/1.7/2.7/2.7	2.0/2.0/2.0/2.0
		Type	PSC		
	UNIT	Unit Minimum Circuit Ampacity	125.8	50.7	41.1
		Max. Time Delay Fuse or HACR Breaker	170	65	50
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	12,400		
		Diameter (in)-Pitch (deg)	26 - 32		
	CONDENSER COIL(S)	Quantity	4		
		Tube Material - Fin Material	Copper - Aluminum		
		Face Area (sq. ft.)	30.8		
		Rows - Fins per Inch	4 - 12		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	1 <sup>3</sup> / <sub>8</sub> (Qty 2)		
		Liquid Line (in OD)	<sup>5</sup> / <sub>8</sub> (Qty 2)		
		Optional Hot Gas Bypass (in OD)	<sup>1</sup> / <sub>2</sub> (Qty 2)		
		Optional Hot Gas Reheat (in OD)	<sup>5</sup> / <sub>8</sub> (Qty 2)		
	CABINET	Sheet Metal	G90 Galvanized		
		Finish	Polyester Coating		
		Top Pan Thickness (ga)	16		
		Sides and Panels Thickness (ga)	18		
		Bottom Pan Thickness (ga)	16		
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	35		
WEIGHTS		Unit Weight (lbs)	1,945		
	Shipping Weight (lbs)	2,115			

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM		ENTERING AIR TEMPERATURE (F)								
			75 DB			80 DB			85 DB		
			63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
8,000		Total Capacity (Btu/h)	276,546	294,724	312,518	278,574	295,466	314,270	284,032	297,774	315,156
		Sensible Capacity (Btu/h)	206,266	168,664	129,868	243,392	213,248	175,166	282,340	250,994	219,964
		Electric Power (W)	26,536	26,798	27,070	26,566	26,810	27,100	26,618	26,846	27,114
		Leaving Air Temperature (F db/F wb)	51.6 / 50.9	55.9 / 55.3	60.4 / 59.7	52.3 / 50.7	55.8 / 55.2	60.3 / 59.5	52.8 / 50.4	56.5 / 55.0	60.2 / 59.4
9,000		Total Capacity (Btu/h)	280,546	298,722	316,672	283,546	299,598	318,226	292,858	302,492	319,160
		Sensible Capacity (Btu/h)	212,960	176,868	133,444	258,342	220,946	184,330	292,858	266,918	234,668
		Electric Power (W)	26,974	27,242	27,520	27,020	27,256	27,548	27,162	27,302	27,564
		Leaving Air Temperature (F db/F wb)	53.5 / 52.2	57.2 / 56.5	61.7 / 60.9	53.9 / 52.0	57.0 / 56.4	61.5 / 60.8	55.3 / 51.6	58.1 / 56.3	61.5 / 60.7
10,000		Total Capacity (Btu/h)	283,946	301,672	319,620	287,776	303,028	321,428	300,556	307,146	322,670
		Sensible Capacity (Btu/h)	223,314	184,864	137,042	272,920	232,404	193,554	300,556	282,704	240,796
		Electric Power (W)	27,406	27,672	27,954	27,464	27,694	27,988	27,660	27,758	28,008
		Leaving Air Temperature (F db/F wb)	54.7 / 53.3	58.3 / 57.6	62.7 / 62.0	55.1 / 53.1	58.9 / 57.5	62.6 / 61.8	57.6 / 52.6	59.3 / 57.3	63.3 / 61.7

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 374 WITH HCC 374 / VCC 374

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	399,600		
		Sensible Capacity (Btu/h)	304,966		
		Electric Power (W)	35,860		
		Leaving Air Temperature (°F db / °F wb)	57.0 / 56.4		
		Energy Efficiency Ratio (EER)	11.4		
		Integrated Energy Efficiency Ratio (IEER)	12.1		
		Nominal Airflow (CFM)	12,000		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	2 - 15.0 - Scroll		
		Capacity Reduction	0/50/100 (HGBP) or 0/10-100 (Digital)		
		Electric Supply (V/Phase/Hz)	208-230/3/60	460/3/60	575/3/60
		Run Load Amps (RLA)	55.8	26.9	23.7
		Locked Rotor Amps (LRA)	340	173	132
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)	4 - 1		
		FLA (ea)	3.4/3.4/5.4/5.4	1.7/1.7/2.7/2.7	2.0/2.0/2.0/2.0
		Type	PSC		
	UNIT	Unit Minimum Circuit Ampacity	143.2	69.3	61.3
		Max. Time Delay Fuse or HACR Breaker	190	95	85
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)	28,000		
		Diameter (in)-Pitch (deg)	26 - 32		
	CONDENSER COIL(S)	Quantity	4		
		Tube Material - Fin Material	Copper - Aluminum		
		Face Area (sq. ft.)	70.0		
		Rows - Fins per Inch	2 - 14		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	1 <sup>3</sup> / <sub>8</sub> (Qty 2)		
		Liquid Line (in OD)	7/ <sub>8</sub> (Qty 2)		
		Optional Hot Gas Bypass (in OD)	5/ <sub>8</sub> (Qty 2)		
		Optional Hot Gas Reheat (in OD)	5/ <sub>8</sub> (Qty 2)		
	CABINET	Sheet Metal	G90 Galvanized		
		Finish	Polyester Coating		
		Top Pan Thickness (ga)	16		
		Sides and Panels Thickness (ga)	18		
		Bottom Pan Thickness (ga)	16		
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)	38		
		WEIGHTS	Unit Weight (lbs)	2,210	
Shipping Weight (lbs)	2,380				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM		ENTERING AIR TEMPERATURE (F)								
			75 DB			80 DB			85 DB		
			63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
8,000	Total Capacity (Btu/h)	361,304	383,608	406,234	362,250	385,068	408,630	364,012	385,936	410,150	
	Sensible Capacity (Btu/h)	249,798	210,222	171,826	294,640	255,598	217,452	332,638	301,006	262,542	
	Electric Power (W)	31,386	31,804	32,288	31,442	31,834	32,336	31,438	31,890	32,368	
	Leaving Air Temperature (F db/F wb)	46.6 / 46.3	51.2 / 51.0	55.7 / 54.8	46.5 / 46.1	51.0 / 50.9	55.5 / 55.2	47.1 / 46.3	50.8 / 50.4	55.2 / 55.0	
10,000	Total Capacity (Btu/h)	376,674	399,294	421,868	378,560	400,420	424,310	383,244	402,316	425,248	
	Sensible Capacity (Btu/h)	278,138	229,796	181,956	325,996	285,874	238,728	375,706	333,936	294,282	
	Electric Power (W)	31,674	32,110	32,604	31,712	32,134	32,654	31,800	32,174	32,672	
	Leaving Air Temperature (F db/F wb)	49.7 / 49.1	54.2 / 54.0	58.6 / 58.0	50.3 / 49.3	54.2 / 54.0	58.5 / 58.0	50.7 / 49.3	54.7 / 53.9	58.4 / 58.0	
12,000	Total Capacity (Btu/h)	387,076	409,884	432,288	390,494	411,410	434,758	403,086	414,356	436,128	
	Sensible Capacity (Btu/h)	298,004	248,934	190,890	358,744	316,500	259,144	403,086	369,380	326,664	
	Electric Power (W)	31,872	32,358	32,816	31,940	32,390	32,870	32,228	32,416	32,904	
	Leaving Air Temperature (F db/F wb)	52.4 / 51.8	56.2 / 56.0	60.7 / 60.2	52.8 / 51.6	56.1 / 55.8	60.8 / 60.1	54.3 / 51.2	57.0 / 56.0	60.4 / 60.0	

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.

# UNIT DATA- RCC 414 WITH HCC 374 / VCC 374

RATED IN ACCORDANCE TO ANSI/AHRI STANDARD 340/360 - 2007.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)		441,600			
		Sensible Capacity (Btu/h)		333,668			
		Electric Power (W)		41,354			
		Leaving Air Temperature (°F db / °F wb)		58.4/57.1			
		Energy Efficiency Ratio (EER)		10.6			
		Integrated Energy Efficiency Ratio (IEER)		11.7			
		Nominal Airflow (CFM)		14,000			
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type		2 - 18- Scroll			
		Capacity Reduction		0/50/100 (HGBP) or 0/10-100 (Digital)			
		Electric Supply (V/Phase/Hz)		208-230/3/60	460/3/60	575/3/60	
		Run Load Amps (RLA)		30.1	16.7	12.2	
		Locked Rotor Amps (LRA)		225	114	80	
	CONDENSER FAN MOTOR(S)	Qty - Horsepower (HP)		4 - 1			
		FLA (ea)		3.4/3.4/5.4/5.4	1.7/1.7/2.7/2.7	2.0/2.0/2.0/2.0	
		Type		PSC			
	UNIT	Unit Minimum Circuit Ampacity		85.3	79.8	59.9	
		Max. Time Delay Fuse or HACR Breaker		170	95	70	
MECHANICAL DATA	CONDENSER FAN(S)	Airflow (CFM)		28,000			
		Diameter (in)-Pitch (deg)		26 - 32			
	CONDENSER COIL(S)	Quantity		4			
		Tube Material - Fin Material		Copper - Aluminum			
		Face Area (sq. ft.)		70			
		Rows - Fins per Inch		2 - 14			
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)		1 <sup>5</sup> / <sub>8</sub> (Qty 2)			
		Liquid Line (in OD)		7 <sup>7</sup> / <sub>8</sub> (Qty 2)			
		Optional Hot Gas Bypass (in OD)		5 <sup>5</sup> / <sub>8</sub> (Qty 2)			
		Optional Hot Gas Reheat (in OD)		7 <sup>7</sup> / <sub>8</sub> (Qty 2)			
	CABINET	Sheet Metal		G90 Galvanized			
		Finish		Polyester Coating			
		Top Pan Thickness (ga)		16			
		Sides and Panels Thickness (ga)		18			
		Bottom Pan Thickness (ga)		16			
	REFRIGERANT - R410A	Charge based on 25' line set (lbs per circuit)		40			
WEIGHTS		Unit Weight (lbs)		2,330			
	Shipping Weight (lbs)		2,500				

**NOTES:** 1. Refrigerant connections are actual connection sizes at unit. For line sizing, see "Reference Information" tables on pages 22 - 23.

COOLING	CFM		ENTERING AIR TEMPERATURE (F)								
			75 DB			80 DB			85 DB		
			63 WB	67 WB	71 WB	63 WB	67 WB	71 WB	63 WB	67 WB	71 WB
10,000	Total Capacity (Btu/h)		390,628	416,402	441,278	393,602	417,482	443,700	420,136	445,590	444,466
	Sensible Capacity (Btu/h)		278,338	231,372	182,214	327,666	285,992	292,200	334,772	294,108	239,508
	Electric Power (W)		40,176	40,708	41,250	40,236	40,726	41,800	40,752	41,344	41,324
	Leaving Air Temperature (F db/F wb)		49.7 / 49.1	54.1 / 53.5	58.6 / 58.0	50.2 / 48.9	54.1 / 53.4	58.4 / 57.8	54.6 / 53.2	58.4 / 57.7	58.4 / 57.8
12,000	Total Capacity (Btu/h)		400,636	426,358	452,024	404,322	427,918	454,620	431,830	456,680	457,300
	Sensible Capacity (Btu/h)		295,584	246,526	189,748	358,088	305,728	256,324	368,244	324,314	324,900
	Electric Power (W)		41,152	41,700	42,282	41,230	41,734	42,340	41,790	42,392	42,200
	Leaving Air Temperature (F db/F wb)		52.6 / 51.4	56.4 / 55.7	60.8 / 60.1	52.8 / 51.2	56.9 / 55.6	60.8 / 60.0	57.1 / 55.4	60.6 / 59.9	60.5 / 59.9
14,000	Total Capacity (Btu/h)		409,028	433,424	458,760	412,762	435,280	461,710	439,812	463,972	467,100
	Sensible Capacity (Btu/h)		317,052	262,588	196,026	387,124	329,422	274,292	399,804	342,030	345,100
	Electric Power (W)		42,070	42,642	43,226	42,192	42,688	43,292	42,786	43,356	42,400
	Leaving Air Temperature (F db/F wb)		54.4 / 53.0	58.0 / 57.3	62.4 / 61.7	54.8 / 52.8	58.7 / 57.2	62.3 / 61.6	59.1 / 57.1	62.9 / 61.5	62.7 / 61.4

**NOTES:** 1. Above performance assumes 95.0 °F db/75.0 °F wb ambient temperature and reflects gross capacities.