

ADDISON®

RCC-SERIES

RECIRCULATED AIR
SPLIT SYSTEM OUTDOOR
CONDENSING UNITS
PAIRED WITH THIRD-PARTY
AIR HANDLER



DIMENSION AND SELECTION GUIDE

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Intertek

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009

UNIT DATA - RCC 044

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	35,100			
		Electric Power (W)	2,519			
		Energy Efficiency Ratio (EER)	13.9			
		Integrated Energy Efficiency Ratio (IEER)	14.5			
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	3.8
		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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	29,000	28,000	27,100
		Electric Power (W)	2,260	2,610	2,760
	40.0	Total Capacity (Btu/h)	32,000	30,000	29,800
		Electric Power (W)	2,510	2,630	2,780
	45.0	Total Capacity (Btu/h)	35,100	33,800	32,500
		Electric Power (W)	2,520	2,650	2,800
	50.0	Total Capacity (Btu/h)	38,500	37,000	35,500
		Electric Power (W)	2,530	2,660	2,810
	55.0	Total Capacity (Btu/h)	41,500	40,000	38,800
		Electric Power (W)	2,550	2,680	2,825

UNIT DATA - RCC 054

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	47,100			
		Electric Power (W)	3,473			
		Energy Efficiency Ratio (EER)	13.6			
		Integrated Energy Efficiency Ratio (IEER)	14.8			
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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	39,000	37,400	36,000
		Electric Power (W)	3,370	3,560	3,765
	40.0	Total Capacity (Btu/h)	42,500	41,000	39,500
		Electric Power (W)	3,380	3,575	3,780
	45.0	Total Capacity (Btu/h)	46,500	44,500	43,000
		Electric Power (W)	3,400	3,590	3,800
	50.0	Total Capacity (Btu/h)	50,500	48,500	47,000
		Electric Power (W)	3,420	3,615	3,815
	55.0	Total Capacity (Btu/h)	54,500	52,500	50,500
		Electric Power (W)	3,440	3,635	3,840

UNIT DATA - RCC 064

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	59,500			
		Electric Power (W)	4,452			
		Energy Efficiency Ratio (EER)	13.4			
		Integrated Energy Efficiency Ratio (IEER)	14.6			
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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	49,000	47,000	45,000
		Electric Power (W)	4,300	4,535	4,795
	40.0	Total Capacity (Btu/h)	53,500	51,500	49,500
		Electric Power (W)	4,355	4,590	4,850
	45.0	Total Capacity (Btu/h)	58,000	56,000	54,000
		Electric Power (W)	4,420	4,660	4,905
	50.0	Total Capacity (Btu/h)	63,000	60,500	58,500
		Electric Power (W)	4,475	4,720	4,985
	55.0	Total Capacity (Btu/h)	68,000	65,500	63,500
		Electric Power (W)	4,540	4,780	5,045

UNIT DATA - RCC 074

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	78,600			
		Electric Power (W)	5,946			
		Energy Efficiency Ratio (EER)	13.2			
		Integrated Energy Efficiency Ratio (IEER)	15.3			
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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	64,500	62,000	59,500
		Electric Power (W)	5,730	6,070	6,440
	40.0	Total Capacity (Btu/h)	70,000	67,500	65,000
		Electric Power (W)	5,820	6,160	6,535
	45.0	Total Capacity (Btu/h)	76,500	73,500	71,000
		Electric Power (W)	5,930	6,285	6,660
	50.0	Total Capacity (Btu/h)	83,000	80,000	77,000
		Electric Power (W)	6,070	6,430	6,820
	55.0	Total Capacity (Btu/h)	89,500	86,500	83,500
		Electric Power (W)	6,245	6,610	7,010

UNIT DATA - RCC 104

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	91,600			
		Electric Power (W)	7,240			
		Energy Efficiency Ratio (EER)	12.6			
		Integrated Energy Efficiency Ratio (IEER)	14.7			
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)	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)	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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	75,500	72,500	69,500
		Electric Power (W)	7,040	7,430	7,850
	40.0	Total Capacity (Btu/h)	82,000	79,500	76,500
		Electric Power (W)	7,130	7,495	7,920
	45.0	Total Capacity (Btu/h)	89,000	86,000	83,000
		Electric Power (W)	7,200	7,595	7,980
	50.0	Total Capacity (Btu/h)	97,000	93,500	90,000
		Electric Power (W)	7,260	7,665	8,095
	55.0	Total Capacity (Btu/h)	104,500	101,000	97,000
		Electric Power (W)	7,325	7,735	8,165

UNIT DATA - RCC 134

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	113,900		
		Electric Power (W)	9,512		
		Energy Efficiency Ratio (EER)	11.9		
		Integrated Energy Efficiency Ratio (IEER)	13.1		
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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	96,092	92,638	89,272
		Electric Power (W)	9,192	9,712	10,254
	40.0	Total Capacity (Btu/h)	104,798	101,376	97,710
		Electric Power (W)	9,358	9,842	10,400
	45.0	Total Capacity (Btu/h)	113,984	110,092	104,486
		Electric Power (W)	9,512	10,032	10,546
	50.0	Total Capacity (Btu/h)	123,400	119,272	115,136
		Electric Power (W)	9,682	10,200	10,756
	55.0	Total Capacity (Btu/h)	133,378	128,646	124,232
		Electric Power (W)	9,828	10,386	10,942

UNIT DATA - RCC 154

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	158,300		
		Electric Power (W)	12,524		
		Energy Efficiency Ratio (EER)	12.6		
		Integrated Energy Efficiency Ratio (IEER)	14.4		
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)	$\frac{7}{8}$ (Qty 2)		
		Liquid Line (in OD)	$\frac{1}{2}$ (Qty 2)		
		Optional Hot Gas Bypass (in OD)	$\frac{3}{8}$ (Qty 2)		
		Optional Hot Gas Reheat (in OD)	$\frac{1}{2}$ (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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	130,500	125,500	121,000
		Electric Power (W)	12,060	12,635	13,250
	40.0	Total Capacity (Btu/h)	142,000	137,500	132,500
		Electric Power (W)	12,260	12,800	13,420
	45.0	Total Capacity (Btu/h)	154,500	149,000	144,500
		Electric Power (W)	12,430	13,020	13,600
	50.0	Total Capacity (Btu/h)	167,500	163,500	156,000
		Electric Power (W)	12,625	13,210	13,830
	55.0	Total Capacity (Btu/h)	180,500	174,500	168,500
		Electric Power (W)	12,830	13,400	14,030

UNIT DATA - RCC 194

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	178,800		
		Electric Power (W)	14,480		
		Energy Efficiency Ratio (EER)	12.3		
		Integrated Energy Efficiency Ratio (IEER)	14.1		
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)	$\frac{7}{8}$ (Qty 2)		
		Liquid Line (in OD)	$\frac{5}{8}$ (Qty 2)		
		Optional Hot Gas Bypass (in OD)	$\frac{3}{8}$ (Qty 2)		
		Optional Hot Gas Reheat (in OD)	$\frac{1}{2}$ (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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	148,000	143,000	138,000
		Electric Power (W)	13,920	14,585	15,295
	40.0	Total Capacity (Btu/h)	160,500	155,500	150,000
		Electric Power (W)	14,110	14,805	15,515
	45.0	Total Capacity (Btu/h)	174,000	168,000	163,000
		Electric Power (W)	14,430	15,100	15,755
	50.0	Total Capacity (Btu/h)	187,500	181,500	175,500
		Electric Power (W)	14,700	15,360	16,068
	55.0	Total Capacity (Btu/h)	202,000	195,500	189,500
		Electric Power (W)	14,975	15,645	16,355

UNIT DATA - RCC 254

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	248,700		
		Electric Power (W)	21,734		
		Energy Efficiency Ratio (EER)	11.4		
		Integrated Energy Efficiency Ratio (IEER)	13.4		
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 ³ / ₈ (Qty 2)		
		Liquid Line (in OD)	5/ ₈ (Qty 2)		
		Optional Hot Gas Bypass (in OD)	1/ ₂ (Qty 2)		
		Optional Hot Gas Reheat (in OD)	5/ 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)	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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	205,000	196,500	189,500
		Electric Power (W)	20,605	21,770	22,800
	40.0	Total Capacity (Btu/h)	222,500	209,000	207,000
		Electric Power (W)	21,135	22,110	23,250
	45.0	Total Capacity (Btu/h)	241,500	233,000	225,000
		Electric Power (W)	21,620	22,700	23,740
	50.0	Total Capacity (Btu/h)	261,500	252,000	243,000
		Electric Power (W)	22,050	23,240	24,400
	55.0	Total Capacity (Btu/h)	282,000	272,500	263,500
		Electric Power (W)	22,610	23,710	24,875

UNIT DATA - RCC 314

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	290,600		
		Electric Power (W)	24,688		
		Energy Efficiency Ratio (EER)	11.8		
		Integrated Energy Efficiency Ratio (IEER)	13.6		
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 ³ / ₈ (Qty 2)		
		Liquid Line (in OD)	5/ ₈ (Qty 2)		
		Optional Hot Gas Bypass (in OD)	1/ ₂ (Qty 2)		
		Optional Hot Gas Reheat (in OD)	5/ 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)	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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	267,500	258,000	248,500
		Electric Power (W)	26,970	28,240	29,610
	40.0	Total Capacity (Btu/h)	289,500	281,000	271,000
		Electric Power (W)	27,560	28,665	30,010
	45.0	Total Capacity (Btu/h)	313,000	304,000	294,000
		Electric Power (W)	28,080	29,125	30,465
	50.0	Total Capacity (Btu/h)	339,500	326,500	317,500
		Electric Power (W)	28,350	29,850	30,950
	55.0	Total Capacity (Btu/h)	365,000	353,000	339,000
		Electric Power (W)	28,880	30,140	31,730

UNIT DATA - RCC 374

RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	370,900		
		Electric Power (W)	34,096		
		Energy Efficiency Ratio (EER)	10.8		
		Integrated Energy Efficiency Ratio (IEER)	12.0		
ELECTRICAL DATA	COMPRESSOR(S)	Qty-Nominal Tons-Type	1 - 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 ³ / ₈ (Qty 2)		
		Liquid Line (in OD)	7/ ₈ (Qty 2)		
		Optional Hot Gas Bypass (in OD)	5/ ₈ (Qty 2)		
		Optional Hot Gas Reheat (in OD)	5/ 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)	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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	317,164	306,596	293,680
		Electric Power (W)	32,598	34,144	36,168
	40.0	Total Capacity (Btu/h)	342,498	333,704	322,428
		Electric Power (W)	33,490	34,708	36,362
	45.0	Total Capacity (Btu/h)	370,906	358,970	349,658
		Electric Power (W)	34,096	35,674	36,966
	50.0	Total Capacity (Btu/h)	402,458	387,362	377,116
		Electric Power (W)	34,448	36,320	37,662
	55.0	Total Capacity (Btu/h)	432,404	419,014	402,836
		Electric Power (W)	35,128	36,680	38,680

UNIT DATA - RCC 414

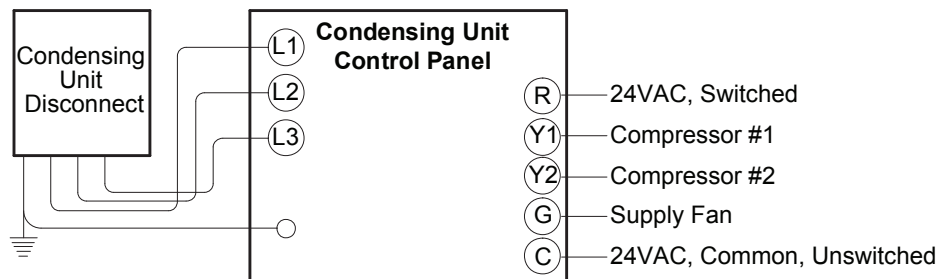
RATED IN ACCORDANCE TO AHRI STANDARD 365-2009.

PERFORMANCE DATA	NET COOLING	Total Capacity (Btu/h)	415,000		
		Electric Power (W)	39,362		
		Energy Efficiency Ratio (EER)	10.5		
		Integrated Energy Efficiency Ratio (IEER)	12.5		
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.)	70.0		
		Rows - Fins per Inch	2 - 14		
	REFRIGERANT CONNECTION(S)	Suction Line (in OD)	1 ⁵ / ₈ (Qty 2)		
		Liquid Line (in OD)	7 ⁷ / ₈ (Qty 2)		
		Optional Hot Gas Bypass (in OD)	5 ⁵ / ₈ (Qty 2)		
		Optional Hot Gas Reheat (in OD)	7 ⁷ / 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)	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	SATURATED SUCTION TEMPERATURE (°F)		AMBIENT TEMPERATURE (°F)		
			95.0	100.0	105.0
	35.0	Total Capacity (Btu/h)	339,500	330,500	319,000
		Electric Power (W)	38,070	39,485	41,485
	40.0	Total Capacity (Btu/h)	372,500	357,000	348,000
		Electric Power (W)	38,250	40,630	42,125
	45.0	Total Capacity (Btu/h)	400,500	390,500	374,000
		Electric Power (W)	39,430	40,820	43,350
	50.0	Total Capacity (Btu/h)	435,500	421,500	407,500
		Electric Power (W)	39,690	41,550	43,530
	55.0	Total Capacity (Btu/h)	468,000	453,000	438,000
		Electric Power (W)	40,485	42,340	44,310

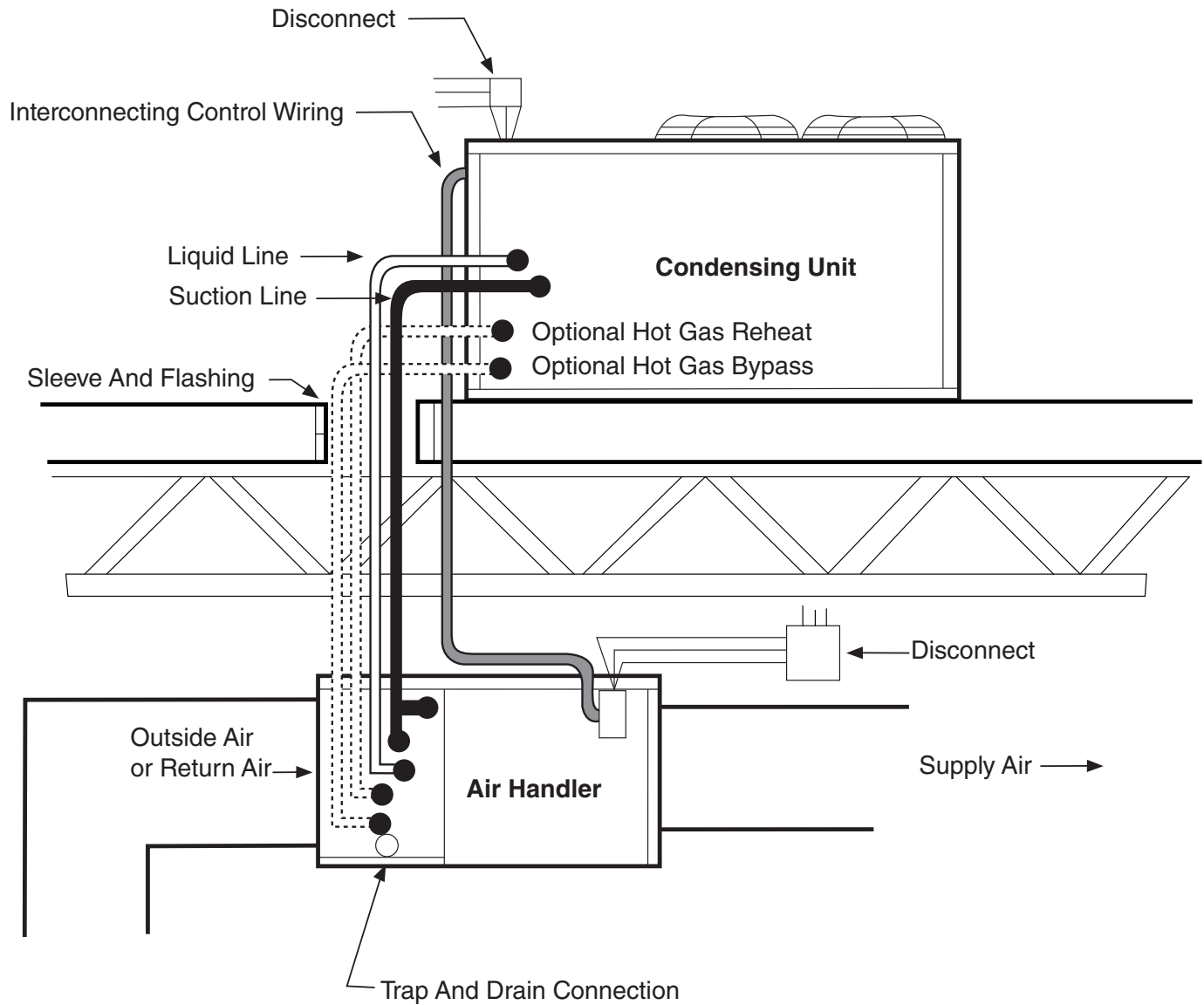
TYPICAL WIRING DIAGRAM



NOTES:

1. All electrical wiring and connections, including electrical grounding must comply with:
 - a. United States: Refer to NFPA 70- latest revision, National Electrical Code, and local ordinances.
 - b. Canada: Refer to CSA C22.1, Part 1- latest revision, Canadian Electrical Code and local ordinances.
2. Class 1 circuit ● — ●
3. Condensing unit disconnect is not provided with condensing unit as standard. Disconnect may be obtained from factory as optional equipment or provided by others.
4. Terminal Y2 is only used on dual-circuit units.

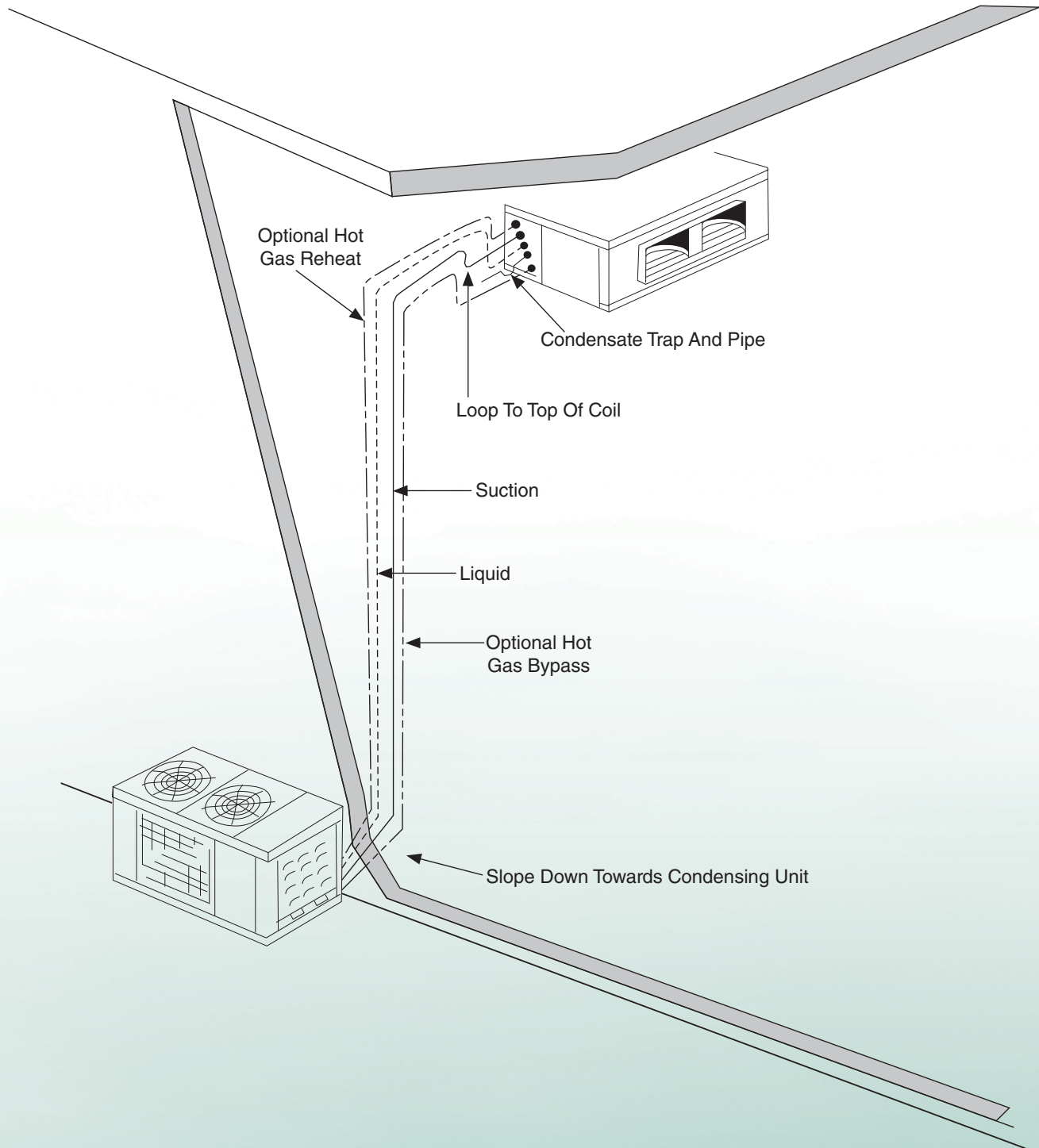
TYPICAL SPLIT SYSTEM INSTALLATION



NOTES:

1. Condensing unit disconnect is not provided with condensing unit as standard. Disconnect may be obtained from factory as optional equipment or provided by others.
2. Air handler, air handler disconnect, interconnecting control wiring, all refrigerant line piping and sleeve/flashing materials are by others.
3. Suction, hot gas bypass, and hot gas reheat lines should be insulated with 5/8" minimum thickness closed cell foam insulation. Liquid line exposed to high ambient temperatures should be insulated 5/8" minimum thickness closed cell foam insulation.

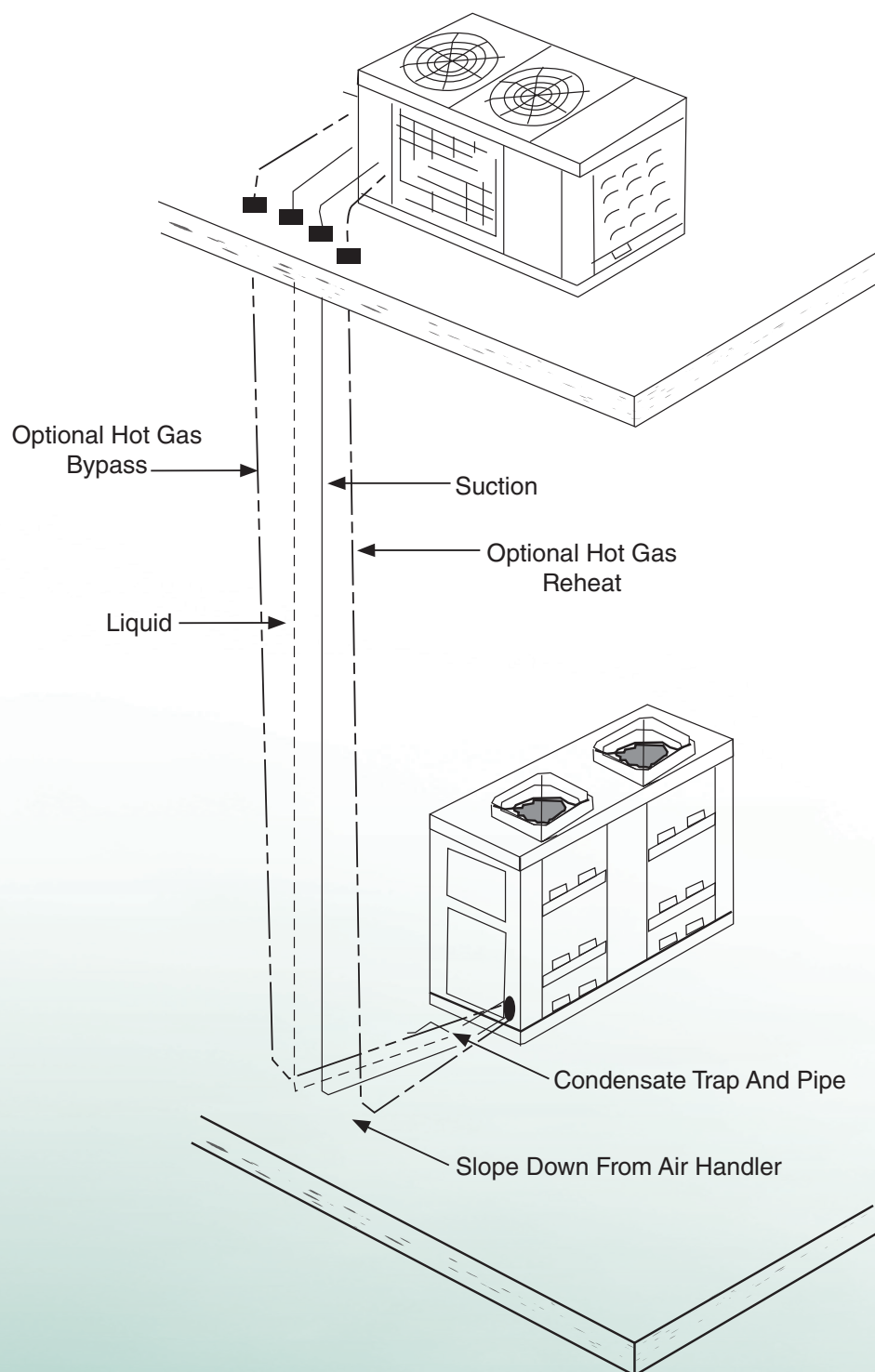
TYPICAL INSTALLATION WITH CONDENSING UNIT ON BOTTOM



NOTES:

1. To prevent oil migration, lines should slope downwards towards the condensing unit and should slope downward away from the air handler.
2. Vertical risers greater than 4' in height should have a "P" trap installed at the base of the air handler.
3. Vertical risers greater than 20' in height require an extra "P" trap for every 20' of riser height in addition to the "P" trap installed at the base of the air handler. The trap is inverted at the top of the vertical rise.
4. Schematic depicts a single-circuit unit. Dual circuit units have two suction lines as standard, two liquid lines as standard and, if selected, the option of either one or two hot gas bypass lines and either one or two hot gas reheat lines.

TYPICAL INSTALLATION WITH CONDENSING UNIT ON TOP

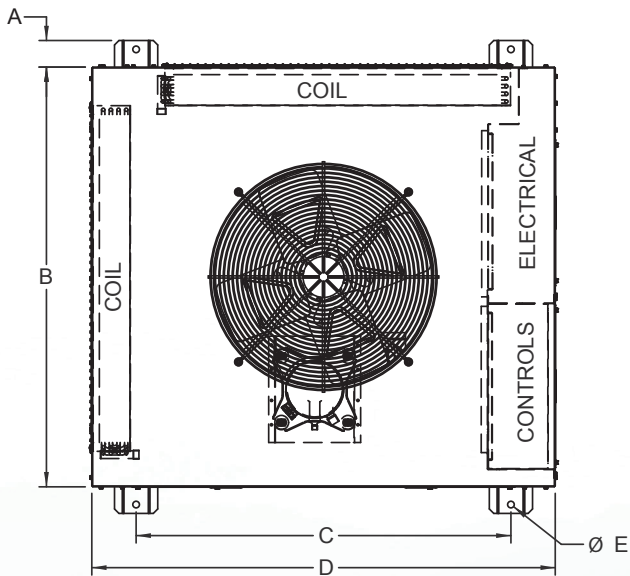


NOTES:

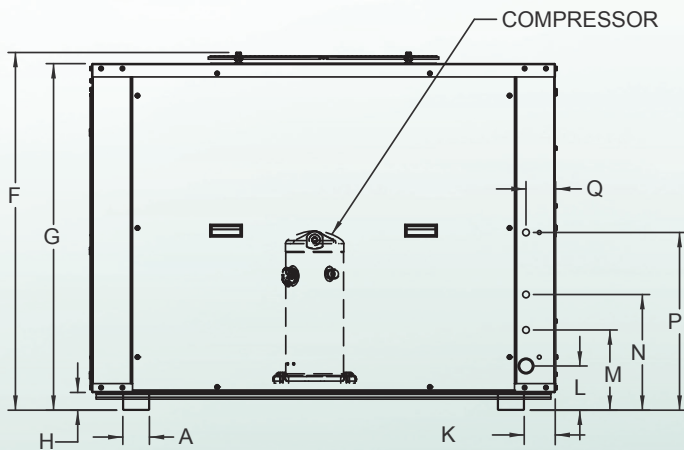
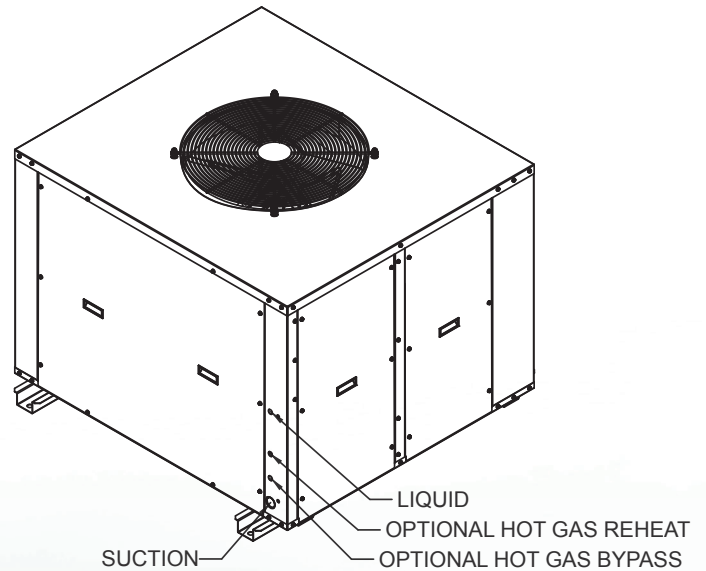
1. To prevent oil migration, lines should slope downwards towards the condensing unit and should slope downward away from the air handler.
2. Vertical risers greater than 4' in height should have a "P" trap installed at the base of the air handler.
3. Vertical risers greater than 20' in height require an extra "P" trap for every 20' of riser height in addition to the "P" trap installed at the base of the air handler. The trap is inverted at the top of the vertical rise.
4. Schematic depicts a single-circuit unit. Dual circuit units have two suction lines as standard, two liquid lines as standard and, if selected, the option of either one or two hot gas bypass lines and either one or two hot gas reheat lines.

DIMENSIONS - RCC 044/054/064

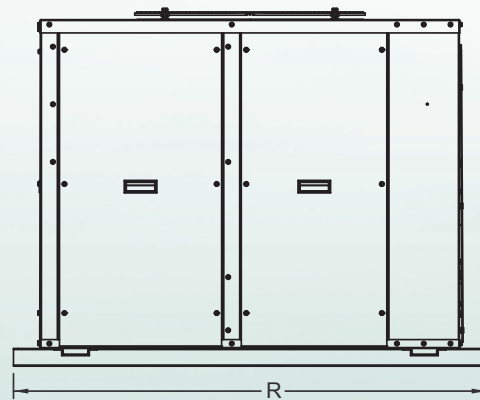
TOP VIEW



MULTI-DIMENSIONAL VIEW



SIDE VIEW

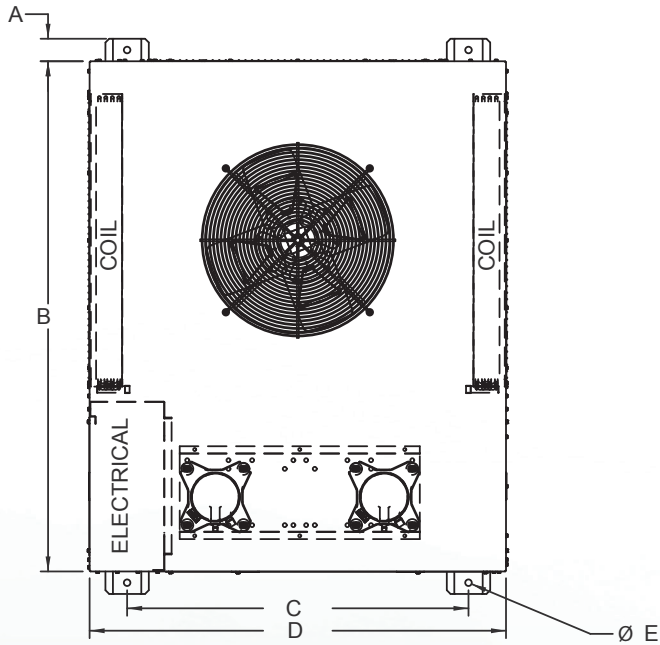


BACK VIEW

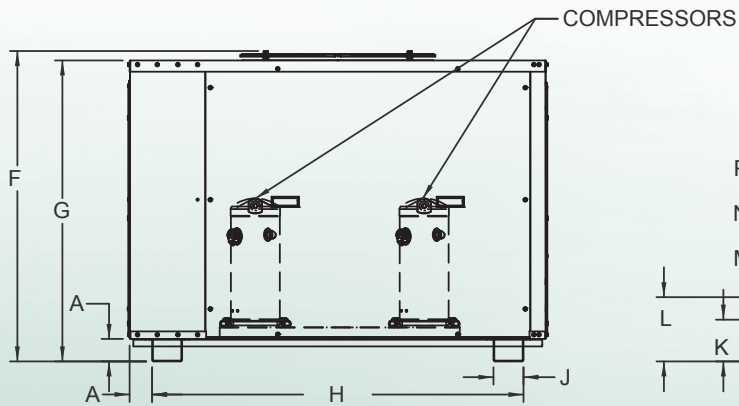
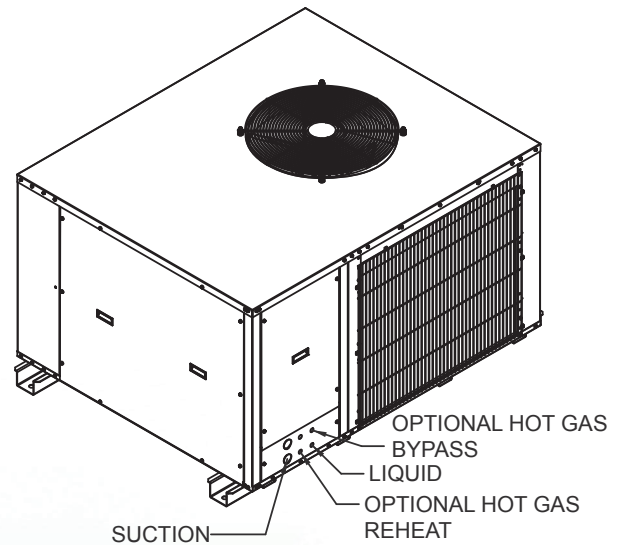
	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	R
(in)	3.00	47.38	42.25	52.25	0.75	40.38	39.13	2.00	3.50	5.00	9.00	13.00	20.00	3.25	53.38

DIMENSIONS - RCC 074/104/134

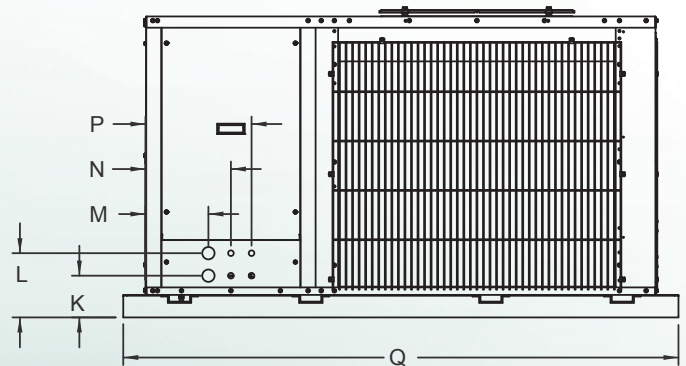
TOP VIEW



MULTI-DIMENSIONAL VIEW



SIDE VIEW

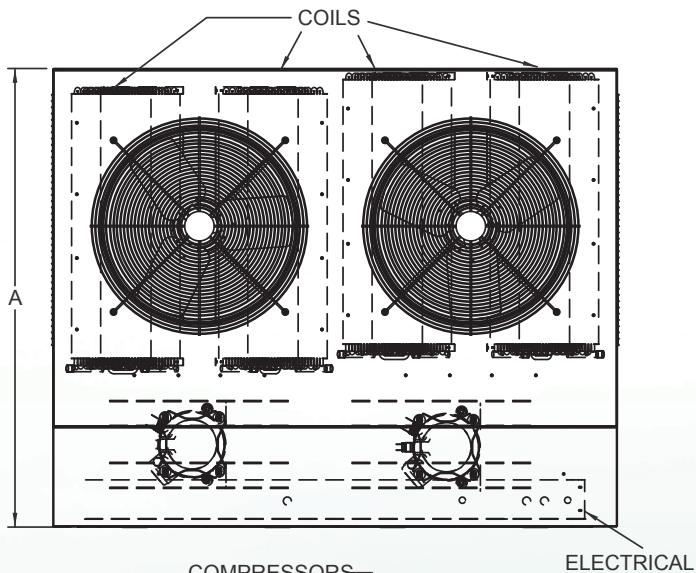


FRONT VIEW

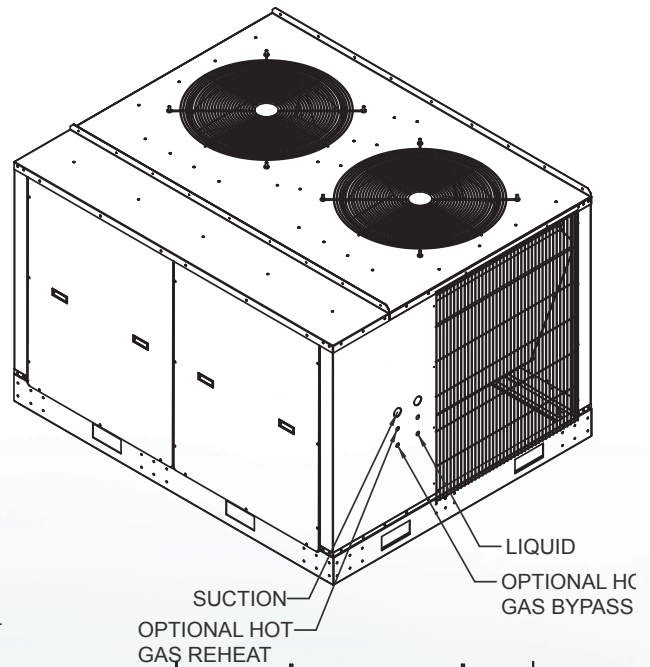
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
(in)	3.00	68.00	45.50	55.50	0.88	41.38	40.13	49.50	4.00	5.56	8.56	8.38	11.38	14.13	74.00

DIMENSIONS - RCC 154/194/254

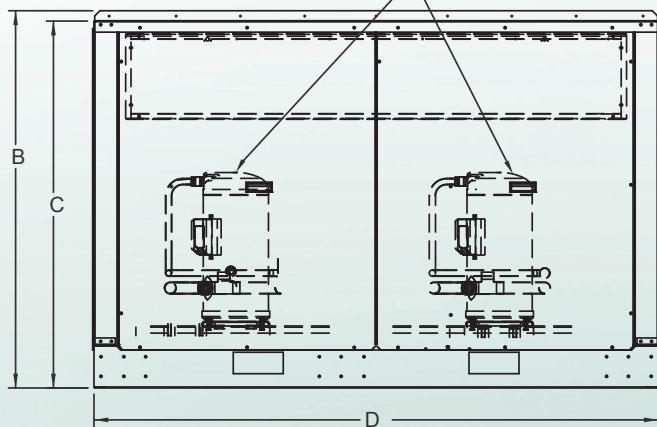
TOP VIEW



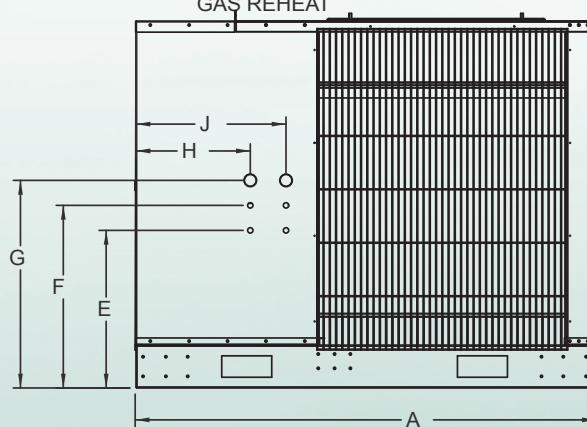
MULTI-DIMENSIONAL VIEW



COMPRESSORS



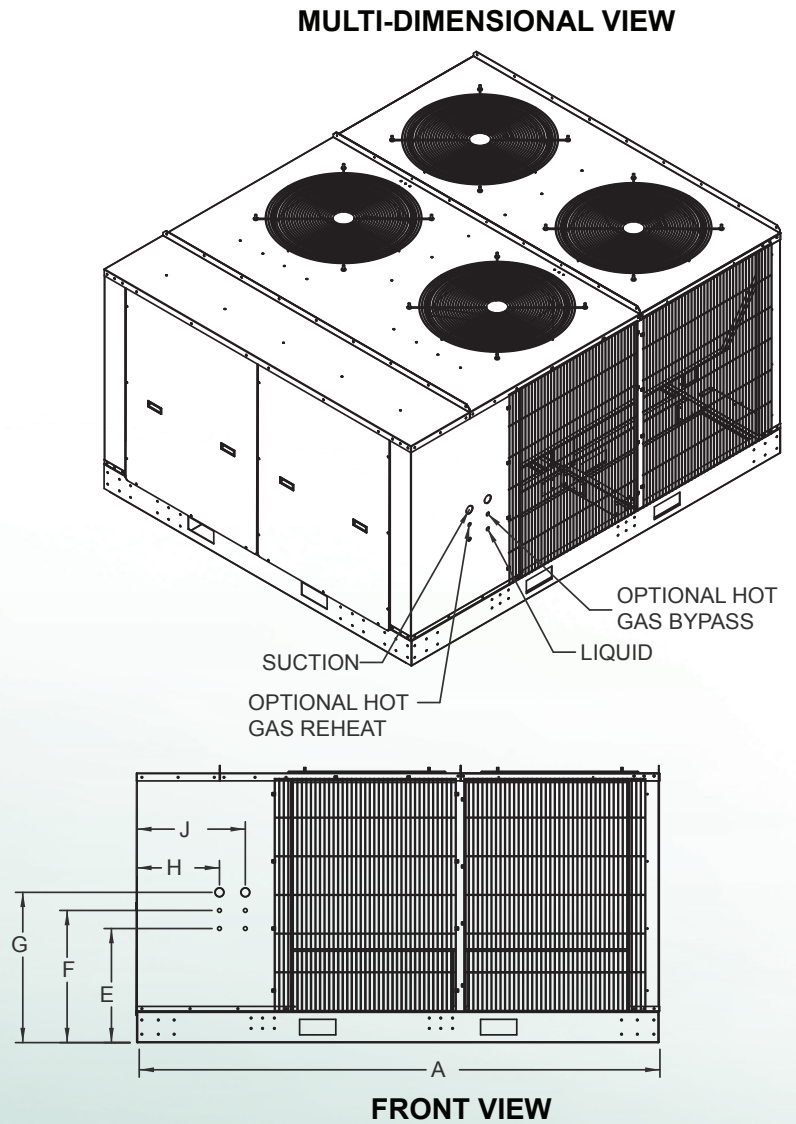
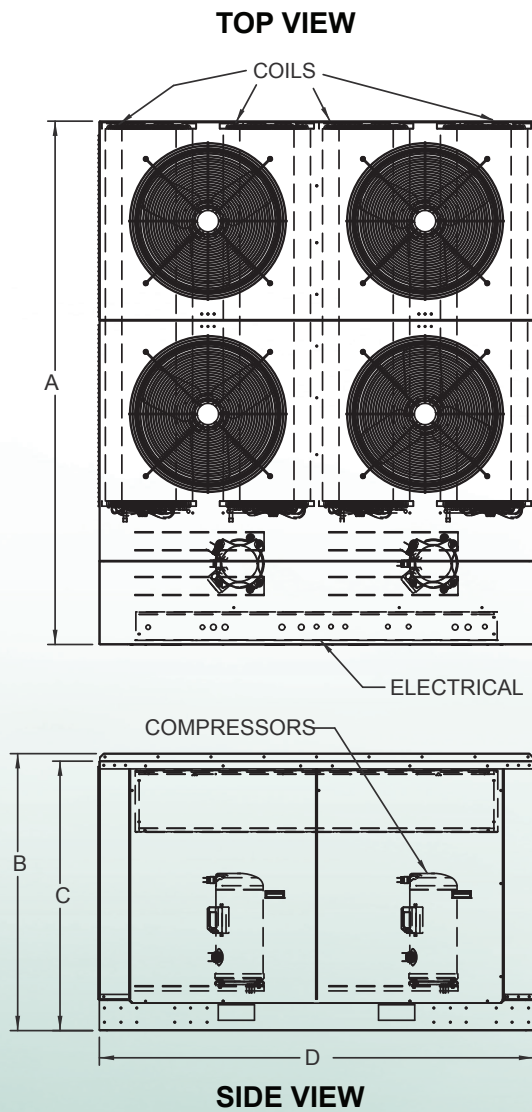
SIDE VIEW



FRONT VIEW

	A	B	C	D	E	F	G	H	J
(in)	64.25	52.88	51.38	79.00	22.00	25.50	29.00	16.00	21.00

DIMENSIONS - RCC 314/374/414



	A	B	C	D	E	F	G	H	J
(in)	101.25	53.63	52.13	84.00	22.00	25.50	29.00	16.00	21.00

REFERENCE INFORMATION

AMBIENT TEMPERATURE CORRECTION FACTORS

AMBIENT TEMPERATURE (°F)	85	90	95	100	105	110	115
TOTAL CAPACITY (Btu/h)	1.05	1.03	1.00	0.98	0.95	0.91	0.87
SENSIBLE CAPACITY (Btu/h)	1.03	1.02	1.00	0.99	0.97	0.97	0.93
ELECTRIC POWER (W)	0.95	0.98	1.00	1.03	1.05	1.08	1.11

RECOMMENDED REFRIGERANT LINE SIZES- AIR HANDLER LEVEL WITH OR ABOVE CONDENSING UNIT (IN OD)

NOMINAL CAPACITY (Btu/h)	0-25 FT. EQUIVALENT LENGTH				26-50 FT. EQUIVALENT LENGTH			
	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS
36,000	5/8, 5/8	3/8	1/2	3/8	3/4, 3/4	1/2	1/2	1/2
48,000	3/4, 3/4	3/8	5/8	3/8	3/4, 3/4	1/2	5/8	1/2
60,000	3/4, 3/4	1/2	5/8	1/2	7/8, 7/8	1/2	5/8	1/2
72,000	7/8, 7/8	1/2	5/8	1/2	7/8, 7/8	1/2	5/8	1/2
84,000	1-1/8, 1-1/8	1/2	3/4	1/2	1-1/8, 1-1/8	1/2	3/4	1/2
96,000	1-1/8, 1-1/8	5/8	3/4	1/2	1-1/8, 1-1/8	5/8	3/4	1/2
120,000	1-1/8, 1-1/8	5/8	3/4	5/8	1-3/8, 1-3/8	5/8	3/4	5/8
150,000	1-1/8, 1-1/8	5/8	7/8	5/8	1-3/8, 1-3/8	5/8	7/8	5/8
180,000	1-3/8, 1-3/8	5/8	7/8	5/8	1-3/8, 1-3/8	5/8	7/8	5/8
220,000	1-3/8, 1-3/8	5/8	1-1/8	5/8	1-3/8, 1-3/8	3/4	1-1/8	3/4
250,000	1-3/8, 1-3/8	5/8	1-1/8	3/4	1-3/8, 1-3/8	3/4	1-1/8	3/4
300,000	1-5/8, 1-5/8	7/8	1-1/8	3/4	1-5/8, 1-5/8	7/8	1-1/8	7/8

NOMINAL CAPACITY (Btu/h)	51-75 FT. EQUIVALENT LENGTH				76-100 FT. EQUIVALENT LENGTH			
	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS
36,000	7/8, 5/8	1/2	5/8	1/2	7/8, 3/4	1/2	5/8	N/A
48,000	7/8, 3/4	1/2	3/4	1/2	7/8, 7/8	1/2	5/8	N/A
60,000	1-1/8, 7/8	1/2	3/4	1/2	1-1/8, 7/8	1/2	3/4	N/A
72,000	1-1/8, 7/8	1/2	3/4	5/8	1-1/8, 7/8	5/8	3/4	N/A
84,000	1-1/8, 1-1/8	5/8	7/8	5/8	1-1/8, 1-1/8	5/8	3/4	N/A
96,000	1-1/8, 1-1/8	5/8	7/8	5/8	1-1/8, 1-1/8	5/8	3/4	N/A
120,000	1-3/8, 1-3/8	5/8	7/8	3/4	1-3/8, 1-3/8	5/8	7/8	N/A
150,000	1-3/8, 1-3/8	5/8	1-1/8	3/4	1-3/8, 1-3/8	3/4	7/8	N/A
180,000	1-3/8, 1-3/8	3/4	1-1/8	3/4	1-3/8, 1-3/8	3/4	1-1/8	N/A
220,000	1-3/8, 1-3/8	3/4	1-1/8	7/8	1-5/8, 1-3/8	3/4	1-1/8	N/A
250,000	1-5/8, 1-3/8	3/4	1-1/8	7/8	1-5/8, 1-3/8	7/8	1-1/8	N/A
300,000	1-5/8, 1-5/8	7/8	1-1/8	7/8	2-1/8, 1-5/8	7/8	1-1/8	N/A

NOTES:

- Line sizes are calculated assuming single scroll compressors in Models 044-064 and dual or dual tandem scroll compressors in Models 074-414. Contact the factory for any other compressor configuration.
- Line sizes are calculated assuming single circuits. For a dual circuit unit, calculate the capacity per circuit by dividing the total capacity by two. Use the result to calculate line sizes.
- All piping must comply with standard refrigeration piping techniques. Consult the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Handbook-Refrigeration.
- Suction, hot gas bypass and hot gas reheat lines should be insulated with a 5/8" minimum thickness closed cell foam insulation. Liquid line exposed to high ambient temperatures should be insulated with a 5/8" minimum thickness closed cell foam insulation.
- First suction line diameter size is for horizontal runs. Second suction line diameter size is for vertical risers.
- Maximum suction line vertical lift is 60'. Riser-sized traps are required for every 20' of vertical riser starting at the lowest point.
- If ordered, hot gas reheat and hot gas bypass require only one line per circuit.
- Standard hot gas bypass is not recommended for use with greater than 75' of equivalent line length. Internal hot gas bypass should be used as an alternative.
- Contact factory for applications with digital scroll compressors.
- Contact factory for layouts requiring more than 75' of actual line length.

REFERENCE INFORMATION

RECOMMENDED REFRIGERANT LINE SIZES- AIR HANDLER BELOW CONDENSING UNIT (IN OD)								
NOMINAL CAPACITY (Btu/h)	0-25 FT. EQUIVALENT LENGTH				26-50 FT. EQUIVALENT LENGTH			
	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS
36,000	3/4	1/2	1/2	3/8	3/4	1/2	1/2	3/8
48,000	7/8	1/2	1/2	3/8	7/8	1/2	1/2	1/2
60,000	7/8	5/8	1/2	1/2	1-1/8	5/8	1/2	1/2
72,000	1-1/8	5/8	1/2	1/2	1-1/8	5/8	5/8	1/2
84,000	1-1/8	5/8	5/8	1/2	1-1/8	5/8	5/8	1/2
96,000	1-1/8	5/8	5/8	1/2	1-1/8	5/8	5/8	5/8
120,000	1-1/8	5/8	5/8	1/2	1-3/8	5/8	3/4	5/8
150,000	1-3/8	3/4	3/4	5/8	1-3/8	3/4	3/4	5/8
180,000	1-3/8	3/4	3/4	5/8	1-3/8	7/8	3/4	3/4
220,000	1-5/8	7/8	3/4	5/8	1-5/8	7/8	7/8	3/4
250,000	1-5/8	7/8	7/8	3/4	2-1/8	7/8	7/8	3/4
300,000	2-1/8	7/8	7/8	3/4	2-1/8	1-1/8	1-1/8	7/8

NOMINAL CAPACITY (Btu/h)	51-75 FT. EQUIVALENT LENGTH				76-100 FT. EQUIVALENT LENGTH			
	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS	SUCTION	LIQUID	HOT GAS REHEAT	HOT GAS BYPASS
36,000	7/8	1/2	1/2	1/2	7/8	5/8	5/8	N/A
48,000	7/8	5/8	5/8	1/2	1-1/8	5/8	5/8	N/A
60,000	1-1/8	5/8	5/8	1/2	1-1/8	3/4	5/8	N/A
72,000	1-1/8	3/4	5/8	1/2	1-1/8	3/4	3/4	N/A
84,000	1-1/8	3/4	5/8	5/8	1-3/8	3/4	3/4	N/A
96,000	1-3/8	3/4	3/4	5/8	1-3/8	3/4	3/4	N/A
120,000	1-3/8	7/8	3/4	5/8	1-3/8	7/8	3/4	N/A
150,000	1-3/8	7/8	7/8	3/4	1-5/8	7/8	7/8	N/A
180,000	1-5/8	7/8	7/8	3/4	1-5/8	1-1/8	7/8	N/A
220,000	1-5/8	1-1/8	7/8	7/8	2-1/8	1-1/8	7/8	N/A
250,000	2-1/8	1-1/8	1-1/8	7/8	2-1/8	1-1/8	7/8	N/A
300,000	2-1/8	1-1/8	1-1/8	7/8	2-1/8	1-3/8	1-1/8	N/A

NOTES:

- Line sizes are calculated assuming single scroll compressors in Models 044-064 and dual or dual tandem scroll compressors in Models 074-414. Contact the factory for any other compressor configuration.
- Line sizes are calculated assuming single circuits. For a dual circuit unit, calculate the capacity per circuit by dividing the total capacity by two. Use the result to calculate line sizes.
- All piping must comply with standard refrigeration piping techniques. Consult the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Handbook-Refrigeration.
- Suction, hot gas bypass and hot gas reheat lines should be insulated with a 5/8" minimum thickness closed cell foam insulation. Liquid line exposed to high ambient temperatures should be insulated with a 5/8" minimum thickness closed cell foam insulation.
- Maximum suction line vertical lift is 60'. Loop piping to the top of the coil.
- Maximum liquid line vertical lift is 60'.
- If ordered, hot gas reheat and hot gas bypass require only one line per circuit.
- Standard hot gas bypass is not recommended for use with greater than 75' of equivalent line length. Internal hot gas bypass should be used as an alternative.
- Contact factory for applications with digital scroll compressors.
- Contact factory for layouts requiring more than 75' of actual line length.

THANK YOU FOR YOUR BUSINESS



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