



RCA SERIES AIR COOLED CONDENSING UNITS

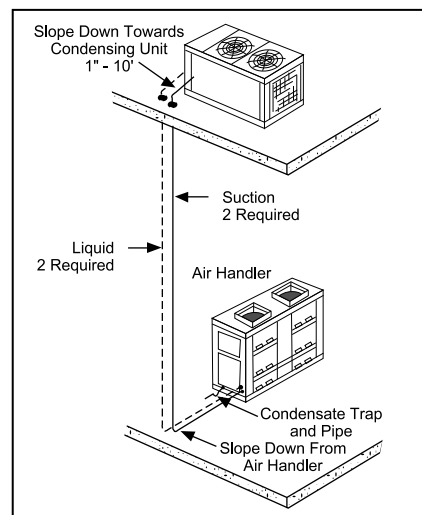
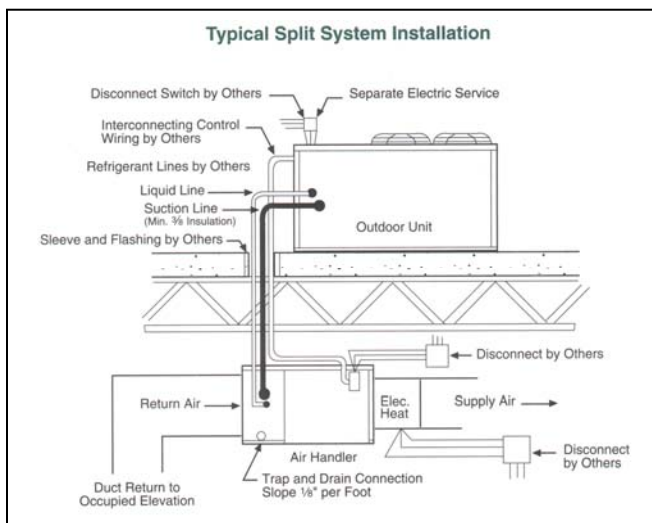
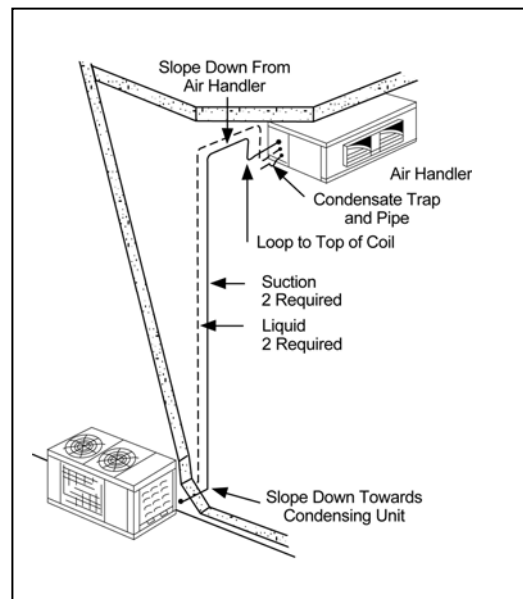
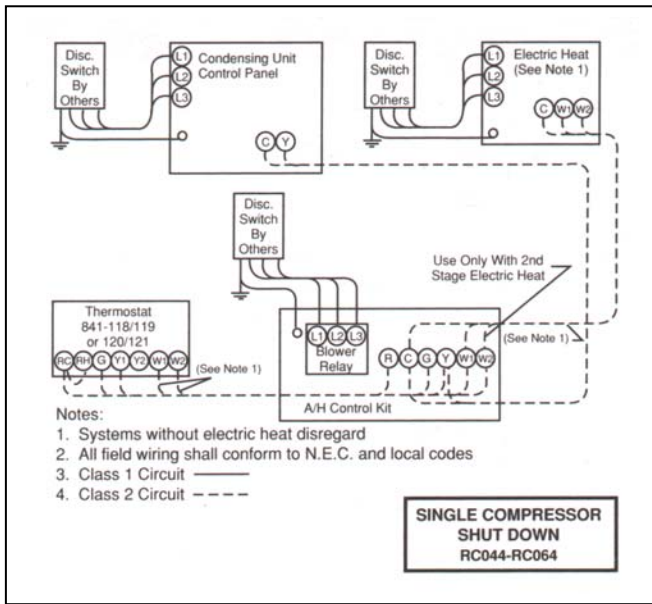
SPECIFICATIONS Rated in Accordance with ARI Standard 210/240			RCA201F		
ELECTRICAL	COOLING	Rated with Optional Air Handler Model	VCA/HCA201 at 3,000 CFM		
		Total BTUH	201,900		
		Sensible BTUH	104,900		
		EER	11.0		
	SERVICE	Voltage-Phase-Hz	—	208/230-3-60	460-3-60
	COMPRESSOR	Type (Qty)	Scroll (1)		
		RLA	—	53.0	24.1
		LRA	—	425	187
		IPLV	—		
	CONDENSER FAN MOTOR(S)	Capacity Reduction (Standard)	100/50/0		
		Qty	2		
		FLA (ea)	—	6.2	3.1
	UNIT	Total CFM	12,000		
RLA		—	65.4	30.3	
Unit Minimum Circuit Ampacity		—	78.7	36.3	
	Max. Time Delay Fuse or HACR Breaker	—	125	60	
PHYSICAL DATA	CONDENSER COIL Alum. Fins on Copper Tubes	Face Area (sq.ft.)	23.1		
		Rows Deep — Fins per Inch	3 — 12		
		Suction Line OD	1 5/8		
		Liquid Line OD	5/8		
		Hot Gas Bypass	7/8		
		Optional Hot Gas Reheat to air handler	7/8		
		Optional Hot Gas Return from air handler	5/8		
	WEIGHTS	Unit (lbs)	975		
		Shipping Weight (lbs)	1,070		

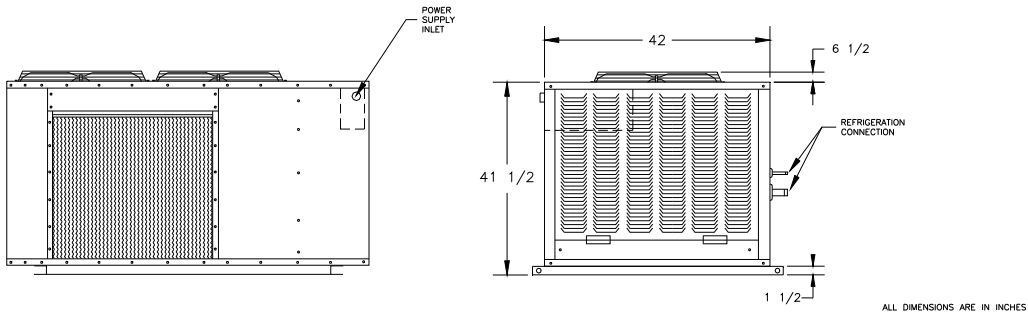
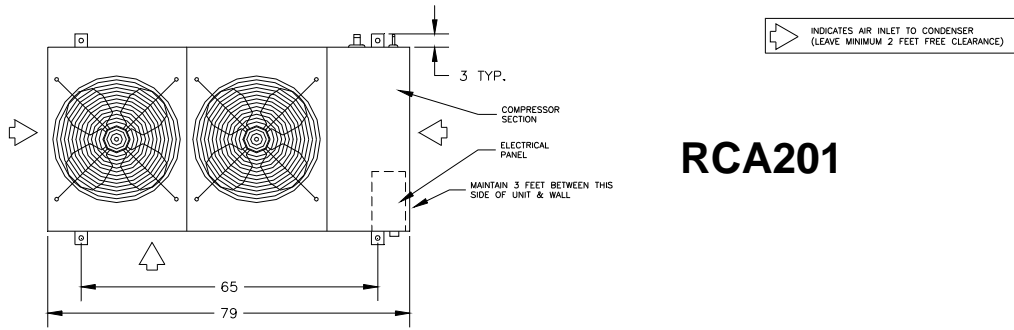
Rated With Air Handler Model	CFM	Capacity	ENTERING AIR DRY BULB TEMPERATURE								
			90° F DB			95° DB			100° DB		
			76°F WB	78°F WB	80°F WB	76°F WB	78°F WB	80°F WB	76°F WB	78°F WB	80°F WB
VCA/HCA 201	2,000	Total	173,600	180,000	186,400	170,500	176,800	183,200	167,300	173,400	179,700
		Sensible	88,000	83,200	77,900	97,700	92,600	87,600	107,400	102,300	97,200
		Watts	16,100	16,300	16,600	16,700	17,000	17,200	17,300	17,600	17,800
		Lvg. Db/Wb	50.0/50.0	52.2/52.2	54.6/54.6	50.6/50.6	52.9/52.9	55.2/55.2	51.2/51.2	53.5/53.5	55.8/55.8
	2,500	Total	185,100	191,500	198,000	181,500	187,900	194,300	177,800	184,100	190,400
		Sensible	96,800	90,200	83,900	109,200	102,900	96,500	121,300	115,200	108,900
		Watts	16,700	16,900	17,100	17,300	17,600	17,800	18,000	18,200	18,500
		Lvg. Db/Wb	54.8/54.8	57.1/57.1	59.5/59.5	55.3/55.3	57.6/57.6	59.9/59.9	55.9/55.9	58.1/58.1	60.4/60.4
	3,000	Total	193,000	199,400	205,900	189,200	195,500	201,900	185,100	191,400	197,700
		Sensible	104,900	97,400	89,800	119,800	112,500	104,900	134,900	127,400	120,100
		Watts	17,200	17,400	17,500	17,800	18,000	18,300	18,500	18,700	19,000
		Lvg. Db/Wb	58.2/58.2	60.5/60.5	62.8/62.8	58.7/58.7	60.9/60.9	63.2/63.2	59.1/59.1	61.4/61.4	63.6/63.6

Note: Above performance data gives gross evaporator capacity with 25' refrigerant lines and full condenser operation at 60 HZ.

Recommended Refrigerant Line Sizes — O.D.														
Equivalent Line Length — Feet														
0 to 25					26 to 50					51 to 75				
					Hot Gas Reheat									
					Hot Gas Reheat									
Suction	Liquid	Hot Gas Bypass	S	R	Suction	Liquid	Hot Gas Bypass	S	R	Suction	Liquid	Hot Gas Bypass	S	R
1 5/8	5/8	3/4	5/8	1/2	1 5/8	5/8	3/4	3/4	1/2	1 5/8	3/4	3/4	3/4	1/2

- Notes:
- Line lengths are equivalent, including all fittings. Use long radius ells only.
 - Line sizes are for both vertical and horizontal runs.
 - Over 75 equivalent feet, **consult factory** for sizing recommendations.
 - Liquid line sizes and hot gas reheat return line sizes are designed to minimize system refrigerant charge.
 - Over 75 total feet, a special hot gas bypass system must be installed in the condensing unit with an oil separator. Contact Factory.
 - "S" = Hot gas supply line from RCA to VCA/HCA; "R" = Hot gas return line from VCA/HCA to RCA unit.
 - When condensing unit is above air handler, trap suction line at base and every 20 feet of vertical rise. Consult ASHRAE Refrigeration Handbook.





3 ft. clearance must be left for access to compressor and electrical panel

Installation Code and Annual Inspections:

All installations and service of ADDISON equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Addison and conform to all requirements set forth in the ADDISON manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Addison recommends that a qualified contractor annually inspect your ADDISON equipment and perform service where necessary, using only replacement parts sold and supplied by ADDISON.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ADDISON representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

These products are not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.

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