



## RCA SERIES AIR COOLED CONDENSING UNITS

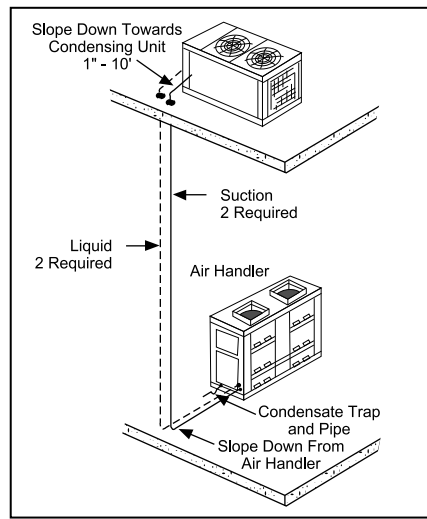
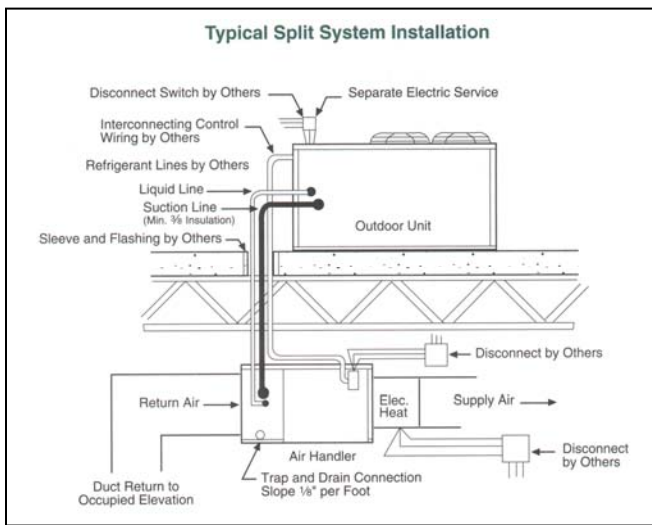
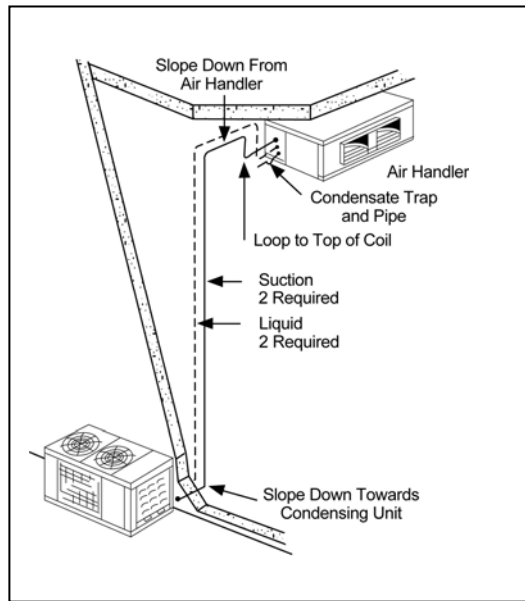
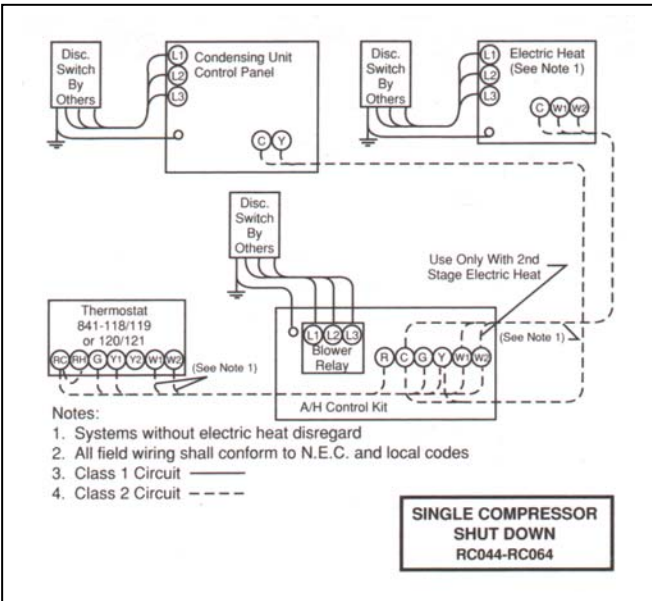
SPECIFICATIONS Rated in Accordance with ARI Standard 210/240		RCA061F				
<b>COOLING</b>	Rated with Optional Air Handler Model		<b>VCA/HCA071 at 800 CFM</b>			
	Total BTUH		61,600			
	Sensible BTUH		30,600			
	EER		10.3			
<b>ELECTRICAL</b>	<b>SERVICE</b>	Voltage-Phase-Hz	208/230-1-60	208/230-3-60	460-3-60	
	<b>COMPRESSOR</b>	Type (Qty) HP		Scroll (1)		
		RLA		25.0	16.3	7.5
		LRA		148	124	59.6
		IPLV		—		
	Capacity Reduction (Standard)		100/50/0			
	<b>CONDENSER FAN MOTOR(S)</b>	Qty		1		
		FLA (ea)		5.4	5.4	2.7
		Total CFM		4,000		
	<b>UNIT</b>	RLA		30.4	21.7	10.2
		Unit Minimum Circuit Ampacity		36.7	25.8	12.1
		Max. Time Delay Fuse or HACR Breaker		60	40	15
<b>PHYSICAL DATA</b>	<b>CONDENSER COIL Alum. Fins on Copper Tubes</b>	Face Area (sq.ft.)		7.7		
		Rows Deep — Fins per Inch		3 — 12		
		Suction Line OD		1 1/8		
		Liquid Line OD		3/8		
		Hot Gas Bypass		1/2		
		Hot Gas Reheat Suction		1/2		
		Hot Gas Reheat Return		1/2		
	<b>WEIGHTS</b>	Unit (lbs)		290		
		Shipping Weight (lbs)		340		

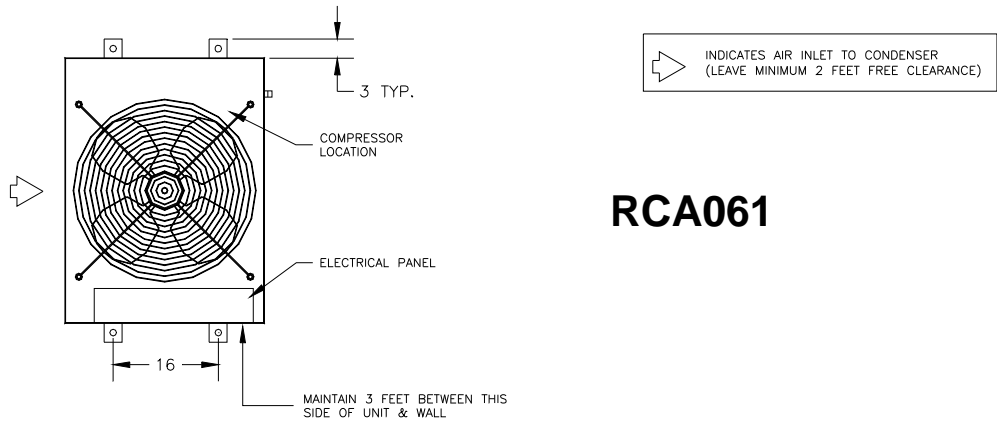
Rated With Air Handler Model	CFM	Capacity	ENTERING AIR DRY BULB TEMPERATURE								
			90° F DB			95° DB			100° DB		
			76°F WB	78°F WB	80°F WB	76°F WB	78°F WB	80°F WB	76°F WB	78°F WB	80°F WB
<b>VCA/HCA 071</b>	<b>600</b>	Total	53,200	55,400	57,600	52,200	54,300	56,500	51,100	53,200	55,400
		Sensible	26,900	25,500	24,000	29,800	28,300	26,900	32,600	31,200	29,800
		Watts	5,330	5,420	5,510	5,470	5,570	5,670	5,620	5,720	5,830
		Lvg. Db/Wb	49.2/49.2	51.4/51.4	53.6/53.6	49.9/49.9	52.1/52.1	54.2/54.2	50.6/50.6	52.8/52.8	54.9/54.9
	<b>700</b>	Total	56,100	58,300	60,500	54,900	57,100	59,400	53,800	55,900	58,100
		Sensible	28,800	27,200	25,400	32,200	30,500	28,800	35,600	33,900	32,200
		Watts	5,490	5,580	5,680	5,640	5,740	5,840	5,790	5,900	6,000
		Lvg. Db/Wb	52.6/52.6	54.7/54.7	57.0/57.0	53.2/53.2	55.4/55.4	57.6/57.6	53.8/53.8	56.0/56.0	58.2/58.2
	<b>800</b>	Total	58,300	60,500	62,800	57,100	59,300	61,600	55,900	58,100	60,300
		Sensible	30,500	28,600	26,700	34,500	32,600	30,600	38,500	36,500	34,600
		Watts	5,630	5,720	5,820	5,770	5,870	5,980	5,930	6,040	6,150
		Lvg. Db/Wb	55.3/55.3	57.5/57.5	59.7/59.7	55.8/55.8	58.0/58.0	60.2/60.2	56.3/56.3	58.5/58.5	60.7/60.7

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

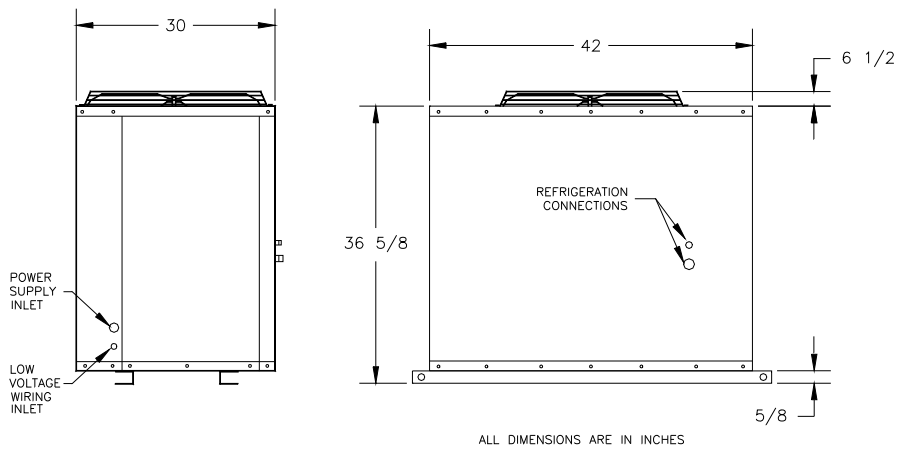
Recommended Refrigerant Line Sizes — O.D.														
Equivalent Line Length — Feet														
0 to 25					26 to 50					51 to 75				
			Hot Gas Reheat					Hot Gas Reheat					Hot Gas Reheat	
Suction	Liquid	Hot Gas Bypass	S	R	Suction	Liquid	Hot Gas Bypass	S	R	Suction	Liquid	Hot Gas Bypass	S	R
1 1/8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

- 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.





# RCA061



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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