

SPECIFICATIONS AND PERFORMANCE



STRAIGHT COOL

Nominal Capacities: 42,000 - 48,000 Btuh

PRODUCT DESCRIPTION

The America Series C1042/48 is an air-cooled, high efficiency single-zone condensing unit. It was designed specifically to meet and/or exceed current standards for system energy efficiency ratings.

The C1042/48 utilizes a vertical air flow design. It is very quiet in operation and is recommended for residential as well as commercial applications. The C1042/48 may be matched with any of the following: CAH, CHP, FHP in like capacity.

CAPACITIES AND EFFICIENCIES

The C1042/48 produces system meets standard 10.0 SEER. The following are HSVC (Highest Sales Volume Combinations) with EMI air handlers:

MODEL	COOLING	
	Btuh	SEER
42	39,000	10
48	43,000	10

CONDENSER STANDARD FEATURES

▲ Cabinet:

- G90, galvanized steel
- Corrosion resistant (1,000 hour salt spray), baked on polyester finish
- Powder-coated heavy gauge wire fan and full metal coil guards

▲ Compressor - High Efficient "Copeland" Scroll Technology.

▲ Refrigeration Circuit - C1042/48 is delivered with precharged refrigerant for the condensing unit. Field charging of the piping and evaporator coil is required. Refrigerant valves are solid brass with sweat connections.

▲ Fan/Motor:

- Condenser fan is 18" 4-blade 3,400 CFM
- Fans are directly connected to the motor in an integrated mount with the fan guard
- Fan motor is 1/4 HP, PSC type with internal overload protection

▲ Condenser Coil - a wrap-around design of seamless copper tubing with enhanced aluminum fins. The tubes are mechanically expanded to ensure bonding to fin shoulder.

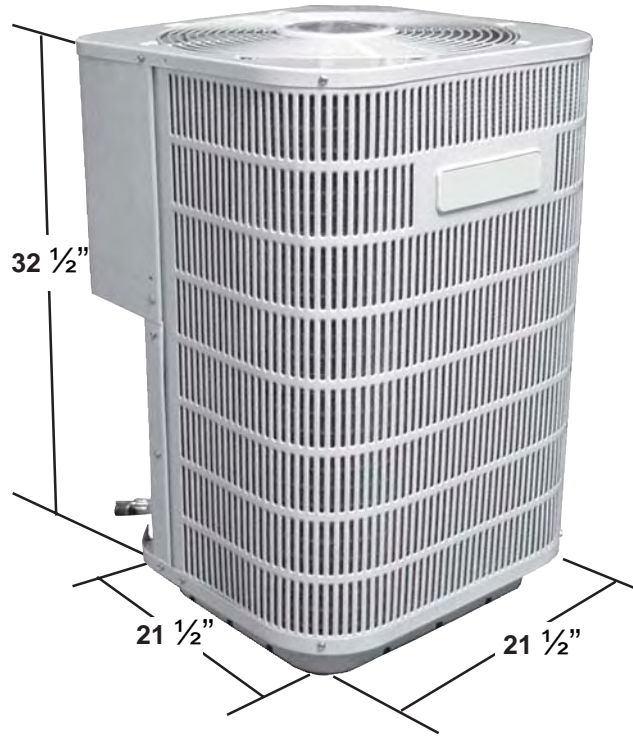
▲ Factory Installed Controls/Components:

- Compressor and fan motor contactor
- Capacitor
- Low Voltage leads (for evaporator interconnect)
- Liquid line filter drier

▲ Refrigerant Run Options - The standard system will support refrigerant runs to the inside unit of 35' of lift for up to 100' of interconnect. Consult factory if greater run/lift interconnect is required.

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IMPORTANT: Due to ongoing product development, designs, specifications, and performance are subject to change without notice. Please consult factory for further information.



WEIGHT AND PIPING SPECIFICATIONS				
MODEL	WEIGHT		REF. LINE SIZES	
	NET	SHIPPING	LIQUID	SUCTION
C1042	148	156	3/8"	3/4"
C1048	150	158	3/8"	7/8"

ELECTRICAL SPECIFICATIONS									
MODEL	VOLTS/HZ/PHASE	COND FAN		COMPRESSOR		TOTAL AMPS (1)	MIN VOLT	M.C.A.	HACR BRKR (2)
		AMPS	HP	RLA	LRA				
C1042	208/230/60/1	1.6	0.2	18.5	103	20.7	197	28.4	35
C1048	208/230/60/1	1.6	0.2	24.5	137	26.7	197	31.8	50

(1) OPERATING CURRENT - AMPS AT 104°F (OD) TEMP. 80°F DB/60°F WB INDOOR TEMP.

(2) TIME DELAY FUSE OF HACR CIRCUIT BREAKER



EMI
Comfort Where It Counts.

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