



C2C 13 SEER SINGLE ZONE DUCTLESS SYSTEMS





The Dawn of Environmentally Friendly, High Efficiency... 13 SEER Ductless Split Air Conditioning

2006 U.S. Department of Energy Regulation

To the Homeowner...

Beginning in January 2006, the U.S. Department of Energy will raise the Seasonal Energy Efficiency Rating of air conditioning systems to 13 SEER from 10 SEER. This legislation is an effort to increase the energy efficiency of air conditioning systems thus reducing electricity demand during peak periods and overall energy consumption.

With the advanced introduction of the **New** C2C 13 SEER Single Zone Ductless Systems, EMI continues to be one of the most flexible, forward-thinking and technology leading ductless split air conditioning system manufacturers in the industry.

The **New** EMI C2C America Series Single Zone Condenser when used in combination with select EMI America Series Air Handlers will provide you with a High Efficiency, 13 SEER Ductless Split Air Conditioning System. Meet the new Federal standard ahead of the curve. Save as much as 30% over standard systems on your utility bills now with the **New** EMI C2C!

C2C Features:

Cabinet – Attractive, durable design for quiet, reliable and long operating life.

- Side discharge cabinet
- Attractive, durable injection molded base easily blends into landscaping of home
- Enclosed compressor compartment reduces noise
- 12" clearance to the bottom of the coil provides added protection from the environment year round
- Concealed service valves protects them from potential damage
- Easy access refrigerant pipe connections at 45° from valve body makes gauge connections a snap for service and maintenance
- Low voltage interconnect
- Front access to key components - side mounted electrical compartment
- Corrosion resistant, powder coated 18 and 20 gauge aluminized steel cabinet ensures cabinet integrity throughout the condenser's life

Compressor – The most efficient and durable compressor available for the widest range of Ductless Split System applications.

- Hermetically sealed high efficiency rotary (9,000 to 15,000 BTU/h), reciprocating or scroll (18,000 to 24,000 BTU/h).

Coil – Unique U-shaped design allows for maximum heat transfer surface with the smallest footprint for optimum efficiency.

- Unique U-shaped design provides maximum surface area for increased efficiency.
- Seamless copper tubing construction with enhanced aluminum fins.
- Tubes are mechanically expanded for secure bonding to fin shoulder.

Fan/Motor – Two piece “Clam-shell style” constructed Permanent Split Capacitor (PSC) Motor provides added starting torque enhancing overall system efficiency by reducing power consumption.

- Permanent Split Capacitor (PSC) Motor with internal overload protection.

Precharged For Condenser And Evaporator

(Charging of field installed piping required)

- Refrigeration valves – solid brass, sweat connection, easy to access ports.
- Operates with gauges and pannels in place
- Includes a Schrader valve for super heat calculation



Duratec Performance Package (09-15 only) - Protects the compressor extending the life of the system.

- Oversized suction accumulator with surge baffles and enhanced oil management
- Factory installed solid core filter dryer
- Loss of charge switch

One Year Parts, 5 Year Compressor Warranty backed by EMI's reputation for quality and service to our customers.

C2C Options:

- Low Ambient controls – specify this option if the system will operate in cooling mode at outside temperatures below 60°F. Field Installed Kit – for operaiton down to 32°F.
- Hard Start Kit is available to assist compressor start-up under abnormal conditions such as cold weather, frequent re-starts and low voltage.
- 115V (9,000-12,000 BTU/h only). Consult factory for availability.
- Copper/copper coils (sea coast use)
- Extended length for 9,000 BTU/h up to 100' interconnect when ordering Model C2C09T



WHP AIR HANDLER



Available as:

- 9,000 BTU/h (C2C9/WHP12)
- 12,000 BTU/h (C2C12/WHP12)
- 14,100 BTU/h (C2C15/WHP18)
- 17,800 BTU/h (C2C18/WHP18)
- 24,000 BTU/h (C2C24/WHP30)



CHP AIR HANDLER



Available as:

- 9,900 BTU/h (C2C9/CHP12)
- 12,000 BTU/h (C2C12/CHP12)
- 19,000 BTU/h (C2C18/CHP24)



CAH AIR HANDLER



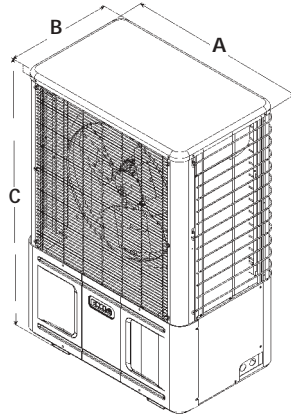
Available as:

- 9,000 BTU/h (C2C9/CAH12)
- 18,000 BTU/h (C2C18/CAH24)

System Performance Data: Matched with EMI America Series Indoor Units

Cooling Systems Only

| C2C MODEL | AIR HANDLER MODEL | BTUH | SEER |
|-----------|-------------------|--------|------|
| 09 | CAH12 | 9,000 | 13 |
| 09 | CHP12 | 9,900 | 13 |
| 09 | WHP12 | 9,000 | 13 |
| 12 | CHP12 | 12,000 | 13 |
| 12 | WHP12 | 12,000 | 13 |
| 15 | WHP18 | 14,100 | 13 |
| 18 | CAH24 | 18,000 | 13 |
| 18 | CHP24 | 19,000 | 13 |
| 18 | WHP18 | 17,800 | 13 |
| 24 | WHP30 | 24,000 | 13 |

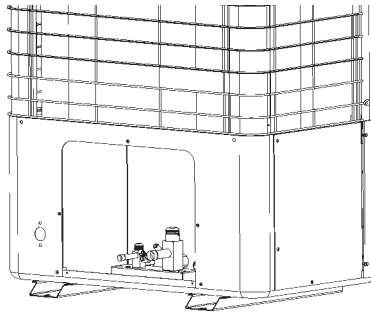


Dimensions

| C2C MODEL | A | B | C |
|-----------|-----|-----|-----|
| 09 | 24" | 15" | 36" |
| 12 | 24" | 15" | 36" |
| 15 | 24" | 15" | 36" |
| 18 | 32" | 15" | 36" |
| 24 | 32" | 15" | 40" |

Interconnecting Tubing

| C2C MODEL | MAX LENGTH | MAX LIFT | LIQUID LINE O.D. | SUCTION LINE O.D. |
|-----------|------------|----------|------------------|-------------------|
| 09P | 50' | 25' | 1/4" | 1/2" |
| 09T | 100' | 35' | 1/4" | 1/2" |
| 12T | 100' | 35' | 1/4" | 1/2" |
| 15T | 100' | 35' | 3/8" | 5/8" |
| 18 | 100' | 35' | 3/8" | 5/8" |
| 24 | 100' | 35' | 3/8" | 3/4" |



Easy access interconnects on back of unit.

C2C Electrical Specifications

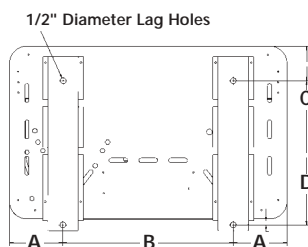
| MODEL | VOLTS/HZ/PH | FAN MOTOR | | COMPRESSOR | | TOTAL AMPS | MIN. VOLT | M.C.A. | HACR BRKR |
|-------|--------------|-----------|-------|------------|------|------------|-----------|--------|-----------|
| | | AMPS | HP | RLA | LRA | | | | |
| 09AT | 115/60/1 | 1.6 | 0.125 | 6.6 | 39.2 | 08.2 | 104 | 09.9 | 15 |
| 12AT | 115/60/1 | 1.6 | 0.125 | 9.7 | 54.0 | 11.3 | 104 | 13.7 | 20 |
| 09DL | 208/230/60/1 | 0.8 | 0.125 | 3.5 | 19.0 | 04.3 | 197 | 05.2 | 15 |
| 09DP | 208/230/60/1 | 0.8 | 0.125 | 3.3 | 21.0 | 04.1 | 197 | 04.9 | 15 |
| 09DT | 208/230/60/1 | 0.8 | 0.125 | 3.4 | 23.0 | 04.2 | 197 | 05.1 | 15 |
| 12DL | 208/230/60/1 | 0.8 | 0.125 | 4.5 | 21.0 | 05.3 | 197 | 06.4 | 15 |
| 12DT | 208/230/60/1 | 0.8 | 0.125 | 4.8 | 26.3 | 05.6 | 197 | 06.8 | 15 |
| 15DL | 208/230/60/1 | 0.8 | 0.125 | 6.0 | 27.0 | 06.8 | 197 | 08.3 | 15 |
| 15DT | 208/230/60/1 | 0.8 | 0.125 | 5.4 | 29.0 | 06.2 | 197 | 07.6 | 15 |
| 18DC | 208/230/60/1 | 0.8 | 0.125 | 6.3 | 41.0 | 07.1 | 197 | 08.7 | 15 |
| 18DR | 208/230/60/1 | 0.8 | 0.125 | 6.2 | 41.0 | 07.0 | 197 | 08.6 | 15 |
| 24DB | 208/230/60/1 | 0.8 | 0.125 | 8.5 | 64.0 | 09.3 | 197 | 11.4 | 20 |
| 24DC | 208/230/60/1 | 0.8 | 0.125 | 8.6 | 54.0 | 09.4 | 197 | 11.6 | 20 |
| 24DR | 208/230/60/1 | 0.8 | 0.125 | 8.8 | 55.0 | 09.6 | 197 | 11.8 | 20 |

Sound Data

| MODEL | dba |
|-------|-----|
| C2C09 | 61 |
| C2C12 | 61 |
| C2C15 | 62 |
| C2C18 | 64 |
| C2C24 | 65 |

Mounting Dimensions

| C2C MODEL | A | B | C | D |
|-----------|----------|-----|----|----------|
| 09 | 4 11/16" | 24" | 3" | 12 7/16" |
| 12 | 4 11/16" | 24" | 3" | 12 7/16" |
| 15 | 4 11/16" | 24" | 3" | 12 7/16" |
| 18 | 4 11/16" | 32" | 3" | 12 7/16" |
| 24 | 4 11/16" | 32" | 3" | 12 7/16" |



An ECR International Brand

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An ISO 9001-2000 Certified Company

For complete product information, please refer to individual unit specifications, installation and operation manual, and other product literature. Due to on-going product development specifications are subject to change without notice.

