

**EMI**  *AmericaSeries*  
*Comfort Where It Counts.*

13 SEER  
DUCTLESS SPLIT SYSTEMS

---





## The "Comfort Where It Counts" Commitment and Evolution of 13 SEER Ductless Split Air Conditioning

At EMI, *Comfort Where it Counts* is a commitment to our customer's physical and economic well being as well as the world in which we live through flexible, forward-thinking, technology-leading ductless split air conditioning products.

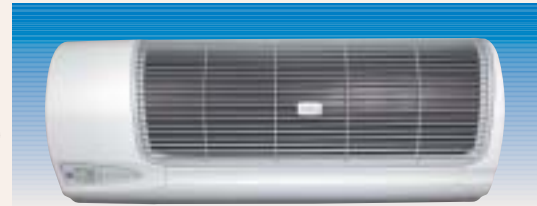
EMI met the new Federal standard ahead of the curve beginning with the advanced introduction of a 13 SEER Single Zone Ductless System in January 2005.

Now as the only American ductless manufacturer, EMI continues its "Comfort Where It Counts" commitment with a full line of 13 SEER single and multi-zone products.

### WALL AIR HANDLERS

**WLC Series** Cooling (30,000–36,000 BTUH, 8.8 - 10.5 kW)

**WLH Series** Cooling & Heat Pump (9,000–24,000 BTUH, 2.6 - 7.0 kW)



#### Comfort Features:

- Simple operation with unit mounted digital control
- Optional wall thermostat or handheld IR control
- Sweep function on louvers provides wide cooling area
- Fan cycling virtually eliminates room temperature variations
- Dry mode allows for dehumidification, with minimal change in room temperature

#### Installation & Service Features:

- Electric heat available on all units (see chart below)
- Simple electrical connections for condensate pump
- Test mode overrides controls for easy start-up and diagnostics
- Condensate drain overflow switch and integral condensate pump safety eliminate condensate overflow
- Filter indicator notifies homeowner when change is needed

MODEL	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)	OPTIONAL HEATING (115V)	OPTIONAL HEATING (208/230V)	DIMENSIONS, In. (mm)		
					L	H	D
<b>WLH09</b>	9,000 (2.6)	8,200 (2.4)	.75 kW	3 kW	38 1/2" (978)	15 1/4" (387)	9 7/8" (251)
<b>WLH12</b>	12,000 (3.5)	10,200 (3.0)	.75 kW	3 kW	38 1/2" (978)	15 1/4" (387)	9 7/8" (251)
<b>WLH24</b>	18,000/24,000 (5.2/7.0)	16,400/20,600 (4.8/6.0)	.75 or 1.25 kW	3 or 5 kW	48 1/2" (1232)	15 1/4" (387)	9 7/8" (251)
<b>WLC30</b>	30,000 (8.8)	N/A	N/A	5 kW	58 1/2" (1486)	15 1/4" (387)	9 7/8" (251)
<b>WLC36</b>	36,000 (10.5)	N/A	N/A	5 kW	58 1/2" (1486)	15 1/4" (387)	9 7/8" (251)

### CASSETTE AIR HANDLERS

**CACA Series** Cooling (9,000–36,000 BTUH, 2.6 - 10.5 kW)

**CAHA Series** Cooling and Heat Pump (9,000–24,000 BTUH, 2.6 - 7.0 kW)\*

\*12,000 BTUH (3.5 kW) Available Late 2006.



#### Comfort Features:

- Controls accept 24V wall thermostat
- Capable of providing 2 additional discharge locations
- Fresh air intake available
- Four way motorized discharge vanes on CACA24-36 and CAHA24

#### Installation & Service Features:

- Electric heat optional for CACA units
- Factory installed Condensate Pump with 36" (0.9 m) lift and Condensate Safety Switch to eliminate condensate overflow
- Easily configured for fresh air or remote discharge knockouts

MODEL	NOMINAL COOLING CAP. BTUH (kW)	NOMINAL HEATING CAP. BTUH, (kW)	OPTIONAL ELECTRIC HEAT (208/230V)	DIMENSIONS, In. (mm)		
				L	W	H
<b>CACA12</b>	9,000/12,000 (2.6/3.5)	N/A	1.5 kW	25 7/8" (657)	22 1/2" (572)	11 3/8" (289)
<b>CACA24</b>	18,000/24,000 (5.2/7.0)	N/A	3.0 kW	32 1/2" (826)	35 5/8" (905)	12" (305)
<b>CACA36</b>	30,000/36,000 (8.8/10.5)	N/A	5.0 kW	32 1/2" (826)	47 7/8" (1214)	14" (356)
<b>CAHA12</b>	9,000/12,000* (2.6/3.5*)	8,200/10,200 (2.4/3.0)	N/A	25 7/8" (657)	22 1/2" (572)	11 3/8" (289)
<b>CAHA24</b>	18,000/24,000 (5.2/7.0)	16,400/20,600 (4.8/6.0)	N/A	32 1/2" (826)	35 5/8" (905)	12" (305)

\*12,000 BTUH (3.5 kW) Available Late 2006.

## CEILING MOUNTED AIR HANDLERS

**CHP Series** Cooling (9,000 – 24,000 BTUH, 2.6 - 7.0 kW)

### Comfort Features:

- Controls accept 24 V wall thermostat
- Fresh air intake available

### Installation & Service Features:

- Electric Heat or Hydronic Heat Option
- Hand-held Infra-red Remote Controller Option
- Field Installed Condensate Pump with 48" (1.2 m) lift and Condensate Safety Switch to eliminate condensate overflow
- Easily configured for fresh air knockouts



MODEL	NOM. COOLING CAP. BTUH (kW)	OPTIONAL ELEC. HEAT (208/230V)	DIMENSIONS, in. (mm)		
			L	H	D
<b>CHP12</b>	9,000/12,000 (2.6/3.5)	1.5 kW	42" (1067)	10 <sup>3</sup> / <sub>4</sub> " (273)	24" (610)
<b>CHP18</b>	18,000 (5.2)	3.0 kW	49" (1245)	10 <sup>3</sup> / <sub>4</sub> " (273)	24" (610)
<b>CHP24</b>	24,000 (7.0)	5.0 kW	49" (1245)	10 <sup>3</sup> / <sub>4</sub> " (273)	24" (610)

## SIDE DISCHARGE CONDENSERS

**Single Zone S1C Series** Cooling (9,000 – 36,000 BTUH, 2.6 - 10.5 kW) &

**Single Zone S1H Series** Heat Pump (9,000 – 24,000 BTUH, 2.6 - 7.0 kW)

**Dual Zone S2C Series** Cooling (18,000 – 24,000 BTUH, 5.2 - 7.0 kW)

### Comfort Features:

- Standard cooling operation down to 60°F (15°C) outside temperature for Cooling only units, 32°F (0°C) for Heat Pumps
- Side discharge cabinet with durable injection molded base and enclosed compressor compartment for reduced noise
- Coil ground clearance of 12" (0.3 m) provides added protection from the environment year round
- Front access to key components for ease of service
- Industry standard R22 refrigerant
- Easy access connections for refrigerant gauges
- Application flexibility with 100' (30.5 m) of interconnect refrigerant piping, supporting 35' (10.6 m) of lift
- Corrosion resistant, powder-coated steel cabinet with coil protection
- Factory installed Duratec Performance Package (S1C/S1H9, S1C/S1H2 only) for added compressor protection
- Dual Zone condensers have fully independent circuits with compressors on each circuit. Available in 9,000 BTUH (2.6 kW) and 12,000 BTUH (3.5 kW) circuits.
- One year parts, five year compressor warranty



### Options:

- Low Ambient Kits – field installed for operation down to 32°F (0°C) or 0°F (-18°C)
- Hard Start Kit – assists compressor start-up under abnormal conditions such as cold weather, frequent re-starts and low voltage. Consult factory for availability.
- 115V (9,000-12,000 BTUH, 2.6-3.5 kW) Consult factory for availability.
- Copper/Copper coils (sea coast use)
- Condenser Coil Corrosion Protection Coating
- Hail Guard/Wind Baffle

### SINGLE ZONE

MODEL	NOM. COOLING CAP. BTUH (kW)	NOM. HEAT PUMP CAP.	DIMENSIONS, in. (mm)		
			L	H	D
<b>S1C/S1H9</b>	9,000 (2.6)	8,200 (2.4)	24" (610)	36" (914)	15" (381)
<b>S1C/S1H2</b>	12,000 (3.5)	10,200 (3.0)	24" (610)	36" (914)	15" (381)
<b>S1C/S1H8</b>	18,000 (5.2)	16,400 (4.8)	32" (813)	36" (914)	15" (381)
<b>S1C/S1H4</b>	24,000 (7.0)	20,600 (6.0)	32" (813)	40" (1016)	15" (381)
<b>S1C3</b>	30,000 (8.8)	N/A	38" (965)	44" (1118)	15" (381)
<b>S1C6</b>	36,000 (10.5)	N/A	38" (965)	48" (1219)	15" (381)

### DUAL ZONE

MODEL	NOM. COOLING CAP. BTUH (kW)	DIMENSIONS, in. (mm)		
		L	H	D
<b>S2C99</b>	18,000 (5.2)	32" (813)	36" (914)	15" (381)
<b>S2C92</b>	21,000 (6.2)	32" (813)	40" (1016)	15" (381)
<b>S2C22</b>	23,000 (6.7)	32" (813)	40" (1016)	15" (381)



# AmericaSeries 13 SEER Ductless Split Systems

## TOP DISCHARGE MULTI-ZONE CONDENSERS

### T2C, T3C & T4C Series

Cooling (27,000–48,000 BTUH, 7.9 - 14 kW)

#### Comfort Features:

- Standard cooling operation down to 60°F (15°C) outside temperature
- Up to 4 fully independent circuits
- Enhanced reliability with a compressor on each refrigerant circuit
- Application flexibility with standard refrigerant piping of 100' (16.6 m) interconnect, supporting 35' (30.5 m) of lift
- Industry standard R22 refrigerant
- Easy access connections for refrigerant gauges
- Corrosion resistant, powder-coated steel cabinet with coil protection
- One year parts, five year compressor warranty

#### Options:

- For T2C units, 2 circuits with nominal capacity choices of 9,000/12,000/18,000 and 24,000 BTUH (2.6, 3.5, 5.2 and 7.0 kW) are available.  
For T3C units, 3 circuits with nominal capacity choices of 9,000/12,000/18,000 and 24,000 BTUH (2.6, 3.5, 5.2 and 7.0 kW) are available.  
For T4C units, 4 circuits with nominal capacity choices of 9,000 and 12,000 BTUH (2.6 and 3.5 kW) are available.
- Low Ambient Kit – field installed for operation down to 32°F (0°C) outside temperature
- Hard Start Kit – assists compressor start-up under abnormal conditions such as cold weather, frequent re-starts and low voltage. Consult factory for availability.
- 115V (9,000-12,000 BTUH, 2.6 - 3.5 kW) Consult factory for availability.
- Copper/Copper coils (sea coast use)
- Condenser Coil Corrosion Protection Coating



MODEL	NOM. COOLING CAP. BTUH (kW)	DIMENSIONS, in. (mm)		
		L	W	H
<b>T2C 9800</b>	27,000 (7.9)	41" (1041)	32" (813)	30" (762)
<b>T2C 8800</b>	34,000 (10.0)	41" (1041)	32" (813)	30" (762)
<b>T2C 2400</b>	34,600 (10.1)	41" (1041)	32" (813)	30" (762)
<b>T2C 8400</b>	39,000 (11.4)	41" (1041)	32" (813)	30" (762)
<b>T2C 4400</b>	45,200 (13.2)	41" (1041)	32" (813)	30" (762)
<b>T3C 9990</b>	27,000 (7.9)	41" (1041)	32" (813)	26" (660)
<b>T3C 9920</b>	30,000 (8.8)	41" (1041)	32" (813)	30" (762)
<b>T3C 9220</b>	33,000 (9.7)	41" (1041)	32" (813)	30" (762)
<b>T3C 2220</b>	36,000 (10.6)	41" (1041)	32" (813)	30" (762)
<b>T3C 9980</b>	36,000 (10.6)	41" (1041)	32" (813)	30" (762)
<b>T3C 9280</b>	39,000 (11.4)	41" (1041)	32" (813)	30" (762)
<b>T3C 9940</b>	40,600 (11.9)	41" (1041)	32" (813)	30" (762)
<b>T3C 2280</b>	42,000 (12.3)	41" (1041)	32" (813)	30" (762)
<b>T3C 9240</b>	43,600 (12.8)	41" (1041)	32" (813)	30" (762)
<b>T3C 2240</b>	46,600 (13.7)	41" (1041)	32" (813)	30" (762)
<b>T4C 9999</b>	36,000 (10.6)	41" (1041)	32" (813)	26" (660)
<b>T4C 9992</b>	39,000 (11.4)	41" (1041)	32" (813)	30" (762)
<b>T4C 9922</b>	42,000 (12.3)	41" (1041)	32" (813)	30" (762)
<b>T4C 9222</b>	45,000 (13.2)	41" (1041)	32" (813)	30" (762)
<b>T4C 2222</b>	48,000 (14.1)	41" (1041)	32" (813)	30" (762)



Enviromaster International LLC  
 An ECR International Company  
 2201 Dwyer Ave. • Utica, NY 13501  
 Phone: 800-325-5479 • Fax: 866-432-7329  
 Web: [www.enviromaster.com](http://www.enviromaster.com)  
 E-Mail: [emi@enviromaster.com](mailto:emi@enviromaster.com)

An **ECR** International Brand

An ISO 9001-2000 Certified Company 

**USA Homeowner Assistance: 866-847-6656**  
**Contractor Technical Assistance: 800-325-5479**

In Canada Contact:



**ECR International Ltd.**

6800 Base Line, Wallaceburg, ON Canada N8A 5E5  
 Tel: 519-627-0791 • Fax: 519-627-4719  
 web site: [www.ecrltd.com](http://www.ecrltd.com)



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.