



Comfort Where It Counts.

R-410A DUCTLESS SPLIT SYSTEMS

Single Zone, Dual Zone & Multi Zone Air Conditioners and Heat Pumps





The EMI Ductless Advantage

EMI's Ductless line is specifically designed to meet the needs of the North American HVAC market. With exceptional performance, operating efficiency, and EMI exclusive features – EMI Ductless is the number one choice for “Comfort Where It Counts.”

Benefits to Specifying Engineers

- A wide selection of wall, cassette and universal air handlers from 9000-36000 BTUH allows for specification of residential and commercial applications.
- AHRI Certification ensures performance standards are met.
- Independent circuits on multi zone units allow for simultaneous cooling or heating, along with zone isolation.
- Optional electric heat ensures occupants are comfortable.

Benefits to Contractors

- Designed for the North American market with low voltage interconnect, indoor mounted expansion device and 24 volt thermostat capability allowing for easy installations.
- Factory installed integral condensate pump on cassettes and field installed accessory pump with wall or universal air handlers with simple electrical connections uncomplacates condensate removal.
- Troubleshooting is made easy with simplified controls, easy access schrader ports and brass service valves.
- Refrigerant line lengths up to 100 feet allow for flexibility with equipment location.

Benefits to Owners

- All units can be operated by a conventional 24 volt wall thermostat.
- Enhanced comfort with optional electric heat.
- Environmentally friendly R-410A refrigerant is not affected by phase out laws.

Peace of Mind

All EMI systems feature a 1-year parts and 5-year compressor warranty with additional 5 and 10 years parts and labor Comfort Plus Extended Warranties available.



EMI Ductless systems feature choice of unit mount digital controls, hand-held infra-red remote controls or 24-volt wall mount thermostats.

R-410A MULTI ZONE FLEXIBILITY

Standard Comfort Features:

- *Simple operation with unit mounted digital control*
- *Fan cycling virtually eliminates variations in room temperature*
- *Electric heat available on all units (see charts for details)*

Standard Installation and Service Features:

- *Simple electrical connections for condensate pump for the UNC/UNH and WLC/WLH*
- *Integral condensate drain overflow switch*

SINGLE ZONE



ONE Condenser with choice of ONE Air Handler style and capacity tailored to a one zone heating or cooling application

MULTI ZONE



ONE Condenser with up to FOUR independent circuits, with individual Air Handler styles and capacities tailored to each zone



** Multizone cassettes only available in 18,000 & 24,000 Btuh sizes*

Wall Air Handler



Cassette Air Handler



Wall Air Handlers

- **WLC Series Cooling**
(30,000 BTUH, 8.8 kW)
- **WLH Series Cooling & Heat Pump**
(9,000 - 24,000 BTUH, 2.6 - 7.0 kW)

MODEL	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)	OPTIONAL ELECTRIC HEAT (208/230V)
WLHG09	9,000 (2.6)	9,000 (2.6)	3 kW
WLHG12	12,000 (3.5)	11,400 (3.3)	3 kW
WLHG24	18,000/23,800 (5.3/7.0)	17,600/20,800 (5.2/6.1)	3 or 5 kW
WLCG30	28,200 (8.3)	N/A	5 kW

Added Features Include:

- Sweep function on louvers provides a wide cooling area
- Dry mode allows for dehumidification, with minimal change in room temperature (requires electric heat)
- Selectable filter indicator notifies occupant when cleaning is required
- Condensate pump accessory includes integral safety switch with 48" (1.2 m) available lift
- Test mode overrides controls for easy start-up and diagnostics
- Optional wall thermostat or handheld IR control

Cassette Air Handlers

- **CAC Series Cooling**
(30,000 - 36,000 BTUH, 8.8 - 10.5 kW)
- **CAH Series Cooling & Heat Pump**
(9,000 - 24,000 BTUH, 2.6 - 7.0 kW)

MODEL	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)	OPTIONAL ELECTRIC HEAT (208/230V)
CAHG09/CAHH09	9,000 (2.6)	8,200 (2.4)	1.5 kW
CAHG12/CAHH12	12,000 (3.5)	10,600 (3.1)	1.5 kW
CAHG24/CAHH24	18,000/24,000 (5.3/7.0)	16,400/20,400 (4.8/6.0)	3.0 kW
CACG36/CACH36	30,000/36,000 (8.8/10.5)	N/A	5.0 kW

Added Features Include:

- Factory installed condensate pump includes integral safety switch with 36" (0.9 m) available lift
- Controls accept 24V wall thermostat
- Easily configured for fresh air intake and up to 2 branch discharge locations
- Motorized discharge vanes on CAHG/H24 and CACG/H36
- Infra-red compatible remote control with test mode
CACH/CAHH models
- Selectable filter indicator notifies occupant when unit needs filter cleaning (CACH/CAHH)

Universal Ceiling & Universal Floor Mount Air Handlers

- **UNC Series Cooling**
(30,000 BTUH, 8.8 kW)
- **UNH Series Cooling & Heat Pump**
(9,000 - 24,000 BTUH, 2.6 - 7.0 kW)

MODEL	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)	OPTIONAL ELECTRIC HEAT (208/230V)
UNHG09	9,000 (2.6)	9,000 (2.6)	3 kW
UNHG12	12,000 (3.5)	11,200 (3.3)	3 kW
UNHG24	18,000/23,800 (5.3/7.0)	17,600/20,800 (5.2/6.10)	3 or 5 kW
UNCG30	28,200 (8.3)	N/A	5 kW

Added Features Include:

- Single unit can be used in either a ceiling or floor mount application
Multiple drain pans are factory installed, no field modification required
- Dry mode allows for dehumidification, with minimal change in room temperature (requires electric heat)
- Test mode overrides controls for easy start-up and diagnostics
- Selectable filter indicator notifies occupant when cleaning is required
- Plastic filter grille standard, optional metal grille available
- Easily configured for fresh air intake
- Optional wall thermostat or handheld IR control
- Condensate pump accessory includes integral safety switch with 48" (1.2 m) or 144" (3.6 m) available lift

Universal Ceiling Air Handler



Universal Floor Mount Air Handler



Single Zone 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)

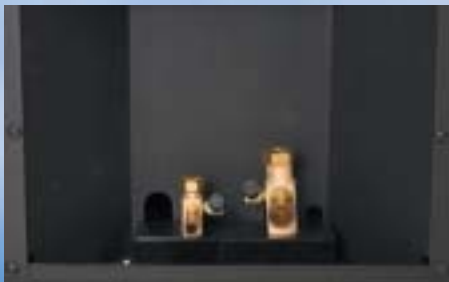
SIDE DISCHARGE CONDENSERS – SINGLE ZONE			
MODEL	NUMBER OF CIRCUITS	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)
S1CG9000/S1HG9000	1	9,000 (2.6)	9,000 (2.6)
S1CG2000/S1HG2000	1	12,000 (3.5)	11,400 (3.3)
S1CG8000/S1HG8000	1	18,000 (5.2)	17,600 (5.2)
S1CG4000/S1HG4000	1	24,000 (7.0)	20,800 (6.1)
S1CG3000	1	30,000 (8.8)	N/A
S1CG6000 (match w/ cassette)	1	36,000 (10.5)	N/A



Side Discharge Condenser



Hail Guard/Wind Baffle Accessory



Service & Refrigerant Line Connections

Comfort Features:

- Standard cooling operation down to 60°F (15°C) outside temperature
- Standard heat pump operation down to 0°F (-18°C) outside temperature
- Application flexibility with 100' (30.5 m) of interconnect refrigerant piping, supporting 35' (10.6 m) of elevation difference on 18,000 to 36,000 units, and 50' (15.2 m) of piping supporting 20' (6.1 m) of elevation on 9,000 and 12,000 units
- 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
- Environmentally friendly R-410A refrigerant
- Easy access connections for refrigerant gauges
- Corrosion resistant, powder-coated steel cabinet with PVC coated wire guard coil protection
- 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 low voltage (standard on heat pumps)
- 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/Architectural Louver

Dual Zone Side Discharge Condensers

- **Dual Zone S2C Series Cooling**
(18,000 - 24,000 BTUH, 5.2 - 7.0 kW)
- **Dual Zone S2H Series Heat Pump**
(18,000 - 24,000 BTUH, 5.2 - 7.0 kW)

DUAL ZONE			
MODEL	NUMBER OF CIRCUITS	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)
S2CG9900	2	18,000 (5.3)	NA
S2CG9200	2	21,000 (6.1)	NA
S2CG2200	2	24,000 (7.0)	NA
S2HG9900	2	18,000 (5.3)	17,400 (5.1)
S2HG9200	2	21,000 (6.1)	19,200 (5.6)
S2HG2200	2	24,000 (7.0)	21,000 (6.1)

* CAHG 09/12 and CAHH 09/12 are currently not available for dual zone systems.

Comfort Features:

- Standard cooling operation down to 60°F (15°C) outside temperature
- Standard heat pump operation down to 0°F (-18°C) outside temperature
- Application flexibility with 50' (15.2 m) of interconnect refrigerant piping, supporting 20' (6.1 m) of elevation difference
- 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
- Environmentally friendly R-410A refrigerant
- Easy access connections for refrigerant gauges
- Corrosion resistant, powder-coated steel cabinet with PVC coated wire guard coil protection
- Dual zone condensers and heat pumps have fully independent circuits with compressors on each circuit
- 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 low voltage (standard on heat pumps)
- Copper/Copper coils (sea coast use)
- Condenser coil corrosion protection coating
- Hail Guard/Wind Baffle/Architectural Louver



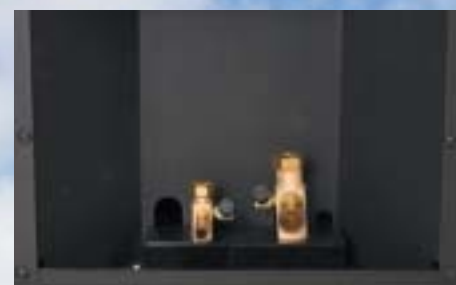
Side Discharge Condenser



Hail Guard/Wind Baffle Accessory



Independent Refrigerant Circuits



Service & Refrigerant Line Connections



Top Discharge Multi Zone Condensers

- **T2C, T3C & T4C Series Cooling**
(27,000 - 48,000 BTUH, 7.9 - 14 kW)
- **T2H, T3H & T4H Series Heat Pump**
(27,000 - 48,000 BTUH, 7.9 - 14 kW)

Comfort Features:

- Standard heating operation down to 0°F (-18°C) outside temperature for T2H, T3H and T4H
- Standard cooling operation down to 60°F (15°C) outside temperature for T2C, T3C and T4C
- Up to 4 fully independent circuits
- Enhanced reliability with a compressor on each refrigerant circuit
- Application flexibility with 100' (30.5 m) of interconnect refrigerant piping, supporting 35' (10.6 m) of elevation difference on 18,000 to 24,000 circuits, and 50' (15.2 m) of piping, supporting 20' (6.1 m) of elevation on 9,000 and 12,000 circuits
- Environmentally friendly R-410A refrigerant
- Easy access connections for refrigerant gauges
- Corrosion resistant, powder-coated steel cabinet with PVC coated wire guard coil protection
- One year parts, five year compressor warranty

Options:

- For T2C/T2H 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/T3H 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/T4H 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 (T2C, T3C, T4C only)
- Hard Start Kit - assists compressor start-up under abnormal conditions such as low voltage (T2C, T3C, T4C only)
- Condenser Coil Corrosion Protection Coating
- Copper/Copper coils (sea coast use)
- Hail Guard/Wind Baffle/Architectural Louver

MULTI ZONE

MODEL	NUMBER OF CIRCUITS	NOMINAL COOLING CAP. BTUH, (kW)	NOMINAL HEATING CAP. BTUH, (kW)
T2CG9800/T2HG9800	2	27,000 (7.9) / 27,000 (7.9)	NA / 25,000 (7.3)
T2CG8800/T2HG8800	2	36,000 (10.6) / 36,000 (10.6)	NA / 33,000 (9.7)
T2CG2400/T2HG2400	2	35,800 (10.5) / 35,800 (10.5)	NA / 32,400 (9.5)
T2CG4400/T2HG4400	2	47,500 (13.9) / 47,500 (13.9)	NA / 44,000 (12.9)
T3CG9990/T3HG9990	3	27,000 (7.9) / 27,000 (7.9)	NA / 25,500 (7.5)
T3CG9920/T3HG9920	3	30,000 (8.8) / 30,000 (8.8)	NA / 27,400 (8.0)
T3CG2220/T3HG2220	3	36,000 (10.6) / 36,000 (10.6)	NA / 31,200 (9.1)
T3CG9980/T3HG9980	3	36,000 (10.6) / 36,000 (10.6)	NA / 33,500 (9.8)
T3CG2240/T3HG2240	3	47,500 (13.9) / 47,500 (13.9)	NA / 42,800 (12.5)
T4CG9999/T4HG9999	4	36,000 (10.6) / 36,000 (10.6)	NA / 34,000 (10.0)
T4CG9922/T4HG9922	4	42,000 (12.3) / 42,000 (12.3)	NA / 37,800 (11.1)
T4CG2222/T4HG2222	4	48,000 (14.1) / 48,000 (14.1)	NA / 41,500 (12.1)

* CAHG 09/12 and CAHH 09/12 are currently not available for multizone systems.

SYSTEM CAPACITY GUIDE

Example: T2CG9800

Zone 1	Zone 2	Zone 3	Zone 4
9	8	0	0

Individual Zone Capacity:
 9 = 9,000
 2 = 12,000
 8 = 18,000
 4 = 24,000

Empty Zone = 0

— See Model Numbers for Specific Offerings —



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.



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