WLCG/WLHG

R-410A High-Efficiency Ductless Split System High-Wall Air Handlers

| Straight cool / Heat pump nominal capacities | | | | | |
|--|----------------|--------------|----------------------|-------|--|
| WLHG09 | WLHG12 | WLHG24 Units | | | |
| 9,000 | 12,000 | 18 | 18,000 - 23,800 Btuh | | |
| 2.6 | 3.5 | | 5.3 - 7.0 | kW | |
| S | traight coolin | g only – | nominal capacity | | |
| | WLCG30 | | WLCG 36 | Units | |
| 28,200 | | | 33,600 | Btuh | |
| 8.3 | | | 9.8 | kW | |

Specifications and Performance

(with EMI condensers)



WLCG/WLHG

NOTICE

EMI air handlers and condensers are backed by EMI and ECR International and are tested, rated and certified in accordance with ARI Standard 210/240 and UL-1995. Due to ongoing product development, product designs and specifications may change without notice. Please contact the factory for more information.

ECR International Inc 2201 Dwyer Ave Utica, NY 13504 www.enviromaster.com e-mail: info@enviromaster.com

EMI Ductless

Comfort Where It Counts.





An ISO 9001-2000 Certified Company



WLCG/WLHG Air Handlers — Product Description

Product description

- The WLCG/WLHG is available as a (DX) direct expansion straight cool and heat pump.
- It offers a contemporary design in a ductless type Air Handler and combines attractive appearance with high efficiency conditioning for small to medium size commercial or residential spaces.



- The WLCG/WLHG is equipped with unit mounted infrared compatible controls which also supports 24V remote wall thermostat operation. Optional handheld remote is available.
- Heat pump models provide up to 24,000 Btuh of cooling and 20,600 Btuh of heating. Electric heat options are available for up to 5 kW of supplemental heat.
- This evaporator offers ease of installation, operation, and service.
- It can be matched with EMI's:
 - Single-zone condensing units S1CG/S1HG 9,000-24,000 Btuh and S1CG 36,000 Btuh.
 - Multi-zone condensing unit S2CG/S2HG 18,000-24,000 Btuh, T2CG/T2HG 27,000-48,000 Btuh, T3CG/T3HG 27,000-48,000 Btuh, T4CG/T4HG 36,000-48,000 Btuh
- All EMI air handlers are backed by Enviromaster International LLC and are tested, rated and certified in accordance with ARI standards 210/240 and UL 1995.

Controls and components (Factory-installed or supplied)

- Large LCD Backlit Display
- Single unit-mounted control package, configurable to either unit mount
 or remote wall thermostat operation, increasing installation flexibility.
- Unit control can be used in cooling only, cooling with electric heat, heat pump, or heat pump with second stage electric heat applications.
- Operational range set point temperature adjustable between 55°F and 90°F (13 to 32°C) in one-degree increments.
- Infrared-compatible controller allows use of optional IR hand held controller. NOTE: Unit-mounted controls are fully functional without the handheld remote.
- Operation modes include Heat, Cool, Dry, Fan and Auto Change-over.
- Fan Operation Auto/On. High or Low speed fan
- Fan Purge Fan remains on for 60 seconds after Heat/Cool call is dropped for improved efficiency (Auto mode only)
- Room air sampling Selectable time intervals ensure the fan will cycle on periodically in Auto Fan Mode to help eliminate room temperature stratification.
- Selectable Fahrenheit (°F) or Celsius (°C) temperature scale.
- Dry mode Operates cooling and electric heat simultaneously to remove humidity. Optional electric heat must be selected.
- Anti-Short Cycle Compressor Protection.
- Minimum on time for heating and cooling Helps eliminate room temperature drop and system short cycling.
- Freeze Protection Prevents evaporator freeze up.
- Test operation Allows ease of testing after installation (all timers are reduced).
- Non-volatile back-up memory will maintain control settings for an indefinite period during a power outage. When power is restored the equipment will resume operation after a three-minute compressor time delay.

- 7 day, 4 event programmable with copy feature.
- Filter change indicator: A timer feature indicates when the filter should be cleaned according to the selected time.
- Motorized supply louver with optional sweep or six stationary settings.
- Modular design reduces parts required for control package. Deco panel, relay board, ribbon cables and microprocessor are combined into one package.
- Integral condensate pump safety-switch connection where-by the microprocessor monitors the condensate pump safety switch and displays an error code when a fault occurs. (Applies only with field installed condensate pump)
- CEC (California Energy Commission) compliant
- Condensate drain pan over flow protection.
- Staggered Start

Cabinet features:

- Durable ABS plastic cabinet with a galvanized steel sub-chassis.
- Easily accessible, washable, reusable, nylon mesh filter.
- Horizontal discharge louver, constructed of high temperature ABS plastic, that can be set to oscillate, or can be parked in six pre-set positions.
- Manually adjustable vertical discharge fins.
- Easy access to pipe chase area from cabinet bottom allows piping connections and condensate pump installation with the unit mounted on the wall.
- Easily removable end-cap for access to control area for installation and service.
- Condensate drain pan constructed of galvanealled steel with anticorrosion coating.

Optional equipment

- Condensate pump (field installed only).
- 24V remote wall thermostat.
- Electric heat with automatic reset high temperature cutout and redundant high temperature fuse link (when heat option is selected) 208/230V only.
- Hand-held infrared controller.

Installer-supplied Items

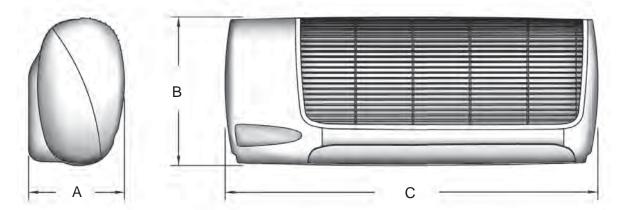
- Low voltage wiring (Minimum 18 AWG required)
- High voltage power supply wiring
- Mounting screws and fasteners
- Condensate piping
- Refrigerant piping (if not supplied)
- Refrigerant (for interconnect charge)
- Electrical Disconnect High Voltage
- Table 1
 Discharge air speed and flow @ 230 VAC / Sound values

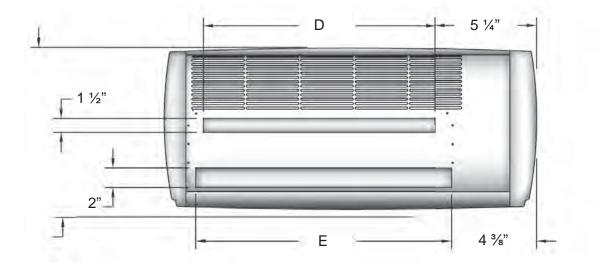
| Model | High speed CFM (I/s) | Low speed CFM (I/s) | Coil | FPM (m/s) | Throw feet (m) | Observed sound values (dBA) |
|---------------|-------------------------|------------------------|------|--------------|-------------------|-----------------------------------|
| WLHG 09–12 | 400 (190) | 350 (170) | Dry | 900 (4.6) | 15 (4.6) | 45 |
| WLHG24 | 750 (350) | 675 (320) | Dry | 1,225 (6.2) | 25 (7.5) | 56 |
| WLCG30 | 1,100 (520) | 900 (420) | Dry | 1,250 (6.4) | 27 (8.2) | 60 |
| WLCG36 | 1,100 (520) | 900 (420) | Dry | 1,250 (6.4) | 27 (8.2) | 60 |



WLCG/WLHG Air Handlers — Product Description (continued)

Figure 1WLCG/WLHG ductless air handlers — dimensions





| | А | В | с | D | E | Shipping weight |
|--------|------------------|-------------------|-------------------|--|---------------------------------------|--------------------|
| Model | Depth in (mm) | Height in (mm) | Length in (mm) | Mounting bracket clearance in (mm) | Tubing access clearance in (mm) | Pounds (kg) |
| WLHG09 | 9 7/8" (251) | 15 ¼″ (387) | 38 1⁄2″ (978) | 24" (610) | 26 ½" (673) | 58.0 (26.4) |
| WLHG12 | 9 7/8" (251) | 15 ¼″ (387) | 38 1⁄2″ (978) | 24" (610) | 26 ½" (673) | 60.3 (27.4) |
| WLHG24 | 9 7/8" (251) | 15 ¼″ (387) | 48 ½" (1232) | 34" (864) | 36 ½" (927) | 66.2 (30.0) |
| WLCG30 | 9 7/8" (251) | 15 ¼″ (387) | 58 ½" (1486) | 44" (1118) | 46 ½" (1181) | 90.1 (40.9) |
| WLCG36 | 9 7/8" (251) | 15 ¼″ (387) | 58 ½" (1486) | 44" (1118) | 46 ½" (1181) | 90.1 (40.9) |



WLCG/WLHG Air Handlers with S1CG/S1HG/S2CG/S2HG Condensers

S1CG/S1HG/S2CG/S2HG — description

The S1CG/S1HG and S2CG/S2HG condensing units are air-cooled, vertically-arranged side-discharge, high-efficiency units designed specifically to meet or exceed a 13 SEER rating.

- The S1CG Models 9,000-36,000 Btuh and S1HG Models 9,000-24,000 Btuh condensing units will provide cooling and heating for a single evaporator.
- The S2CG/S2HG 18,000 (99), 21,000 (92) and 24,000 (22) Btuh capacity condensing units will provide cooling and heating for two evaporators.
- The S1CG/S1HG, S2CG/S2HG are quiet units that can be recommended for both commercial and residential applications.

NOTICE

When specifying heat pump(s), it is recommended that the matching indoor unit(s) be equipped with electric heat.

Features

- Installation of the S1CG/S1HG and S2CG/S2HG condensing units is simplified by a 24v control interconnection from the evaporator.
- Multiple units can be lined up in close proximity to an exterior wall.
- Service valves are recessed to reduce tampering.
- All 9,000–12,000 Btuh units are equipped with a an oversized suction accumulator with surge baffles and enhanced oil management and a factory-installed solid core filter drier.
- A factory-installed crankcase heater is standard on S1HG 9,000-12,000 Btuh (thermostatically-controlled) and S2HG models, and is available as optional equipment on other models.

Controls and components (Factory-installed or supplied)

- Compressor and fan motor contactor
- Run capacitor
- Low voltage terminal connections
- High pressure switch with manual external reset
- Heat pump hard start
- Cooling operation down to 60° F (15.6° C) standard on all units
- Models 9,000-12,000 Btuh only:
- Large capacity suction accumulator
 - Solid-core filter drier

Thermostatically-controlled crankcase heater

• This feature energizes the crankcase heater only when needed, saving unnecessary power usage and increasing overall system efficiency.

System options

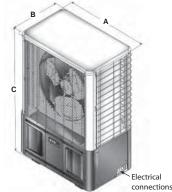
- Corrosion-resistant coil options (sea coast and harsh environment usage):
 - Copper fin/copper tube condenser coil
 - · Coated aluminum fin/copper tube condenser coil
- Low Ambient controls for cooling operation down to 0° F (-18° C)
 - Optional field-installed kits, when specified, for cooling operation down to 0°F, S2HG cooling operation only avaiable down to 32°(0°C) — kits include louvers/wind baffle, crankcase heater, and/ or fan cycle switch, and installation instructions
 - Models S1CG 9,000-12,000 Btuh only:
 - 115v (single-zone only S1CG or S1HG)
 - Field-installed thermostatically-controlled crankcase heater for heat pump units (S1HG or S2CG)

Installer-supplied items

- Power wiring.
- Low-voltage wiring (18 AWG minimum).
- Secure mounting pad or foundation.
- Refrigerant piping (if not purchased from EMI).
- High-voltage disconnect.
- Refrigerant for charging interconnect piping.

 Table 2
 Dimensional data, sound data and shipping weights

| Model | Size Btu | Unit dimensions Inches (mm) | | | Sound level | Shipping weight |
|------------|--------------------------|--------------------------------|----------|-----------|----------------|--------------------|
| | Blu | A | В | с | dBA | Lbs (kg) |
| S1CG/S1HG9 | 9,000 | 24 (610) | 15 (381) | 36 (914) | 59 | 98 (44.5) |
| S1CG/S1HG2 | 12,000 | 24 (610) | 15 (381) | 36 (914) | 59 | 98 (44.5) |
| S1CG/S1HG8 | 18,000 | 32 (813) | 15 (381) | 36 (914) | 62 | 156 (70.9) |
| S1CG/S1HG4 | 24,000 | 32 (813) | 15 (381) | 40 (1016) | 63 | 156 (70.9) |
| S1CG3 | 30,000 | 38 (965) | 15 (381) | 44 (1118) | 68 | 210 (95.5) |
| S2CG | 18,000/21,000/ 24,000 | 38 (965) | 15 (381) | 44 (1118) | 68 | 197 (89.6) |
| S2HG | 18,000/21,000/ 24,000 | 38 (965) | 15 (381) | 44 (1118) | 68 | 197 (89.6) |
| S1CG6 | 36,000 | 38 (965) | 15 (381) | 48 (1219) | 68 | 210 (95.5) |





Easy access interconnects on back of unit

Table 3 Cooling Operational Ranges

| Table 5 | coomi | y operation | una nang | 23 | | | | | |
|--------------------------|---------|--|--|----------------|--|--|--|--|--|
| | | Accessories Part Numbers (Quantity) Required *** Order ALL Kits Listed Under the Operational Range *** | | | | | | | |
| | | Operational Range | | | | | | | |
| | | 32° to 115° F | | | | | | | |
| Unit | Voltage | (0 to 46° C) | | (-18 to 46° C) | | | | | |
| | | Crankcase Heater Kit | Crankcase Fan Cycle Switch Heater Kit Kit | | Architectural Louver/Hail Guard/ Wind Baffle Kit | | | | |
| S1CG9000 | 115 | 550002072 (1) | 550002072 (1) | 550002074 (1) | FF0001F77(1) | | | | |
| \$1CG2000 | 208/230 | 550002073 (1) | 550002073 (1) | 550002074 (1) | 550001577 (1) | | | | |
| S1CG8000 | 208/230 | N/R | N/R | 550002074 (1) | 550001578 (1) | | | | |
| S1CG4000 | 208/230 | N/R | N/R | 550002074 (1) | 550001602 (1) | | | | |
| S1CG3000 | 208/230 | N/R | N/R | 550002074 (1) | 550001580 (1) | | | | |
| S2CG | 208/230 | 550002073 (2) | 550002073 (2) | 550002074 (2) | 550001580 (1) | | | | |
| S2HG | 208/230 | N/R | N/R | N/R | 550001580 (1) | | | | |
| \$1CG6000 | 208/230 | N/R | N/R | 550002074 (1) | 550001581 (1) | | | | |
| S1HG9000 | 115 | N/R | N/R | 550002074 (1) | 550001577 (1) | | | | |
| S1HG2000 | 208/230 | N/R | N/R | 550002074 (1) | 550001577 (1) | | | | |
| S1HG8000 | 208/230 | N/R | N/R | 550002074 (1) | 550001578 (1) | | | | |
| S1HG4000 | 208/230 | N/R | N/R 550002074 (1) 550001602 (1) | | | | | | |
| Note: N/R - Not Required | | | | | | | | | |



WLCG/WLHG Air Handlers with S1CG/S1HG/S2CG/S2HG Condensers (continued)

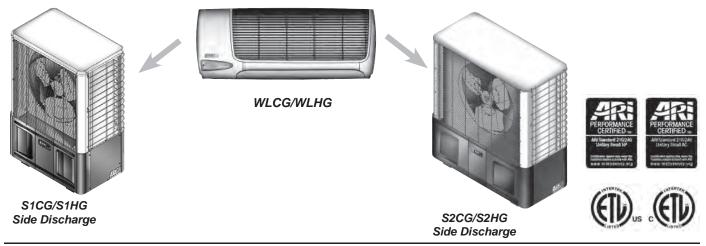


Table 4 Performance — cooling system with High Wall units

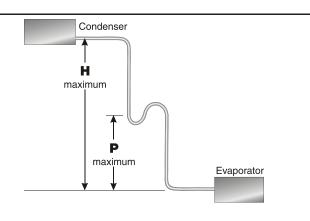
| Condenser | Wall Units | Btuh (Kw) | SEER | SHR | EER | Ref. |
|-----------|-----------------|--------------|------|------|------|--------|
| \$1CG9000 | WLHG09 | 9,000 (2.6) | 13.0 | 0.74 | 12.2 | R-410A |
| S1CG2000 | WLHG12 | 12,000 (3.5) | 13.0 | 0.68 | 11.9 | R-410A |
| S1CG8000 | WLHG24 | 18,000 (5.3) | 13.0 | 0.77 | 12.0 | R-410A |
| S1CG4000 | WLHG24 | 23,800 (7.0) | 13.0 | 0.67 | 11.4 | R-410A |
| \$1CG3000 | WLCG30 | 28,200 (8.3) | 13.0 | 0.79 | 11.7 | R-410A |
| S1CG6000 | WLCG36 | 33,600 (9.8) | 13.0 | 0.69 | 11.6 | R-410A |
| S2CG9900 | WLHG09 + WLHG09 | 18,000 (5.3) | 13.0 | 0.73 | 12.1 | R-410A |
| S2CG9200 | WLHG09 + WLHG12 | 21,000 (6.2) | 13.0 | 0.70 | 12.0 | R-410A |
| S2CG2200 | WLHG12 + WLHG12 | 24,000 (7.0) | 13.0 | 0.68 | 12.0 | R-410A |

Table 5 Performance — heat pump system with High Wall units

| Condenser | Wall Units | Cooling Btuh (Kw) | Heating Btuh (Kw) | SEER | HSPF | SHR | EER | COP | Ref. |
|-----------|-----------------|----------------------|----------------------|------|------|------|------|-----|--------|
| S1HG9000 | WLHG09 | 9,000 (2.6) | 8,600 (2.5) | 13.0 | 7.7 | 0.72 | 12.8 | 3.3 | R-410A |
| S1HG2000 | WLHG12 | 12,000 (3.5) | 10,600 (3.1) | 13.0 | 7.7 | 0.69 | 11.8 | 3.3 | R-410A |
| S1HG8000 | WLHG24 | 18,000 (5.3) | 16,400 (4.8) | 13.0 | 7.7 | 0.76 | 11.9 | 3.5 | R-410A |
| S1HG4000 | WLHG24 | 23,800 7.0) | 20,600 (6.0) | 13.0 | 7.7 | 0.71 | 11.9 | 3.5 | R-410A |
| S2HG9900 | WLHG09 + WLHG09 | 18,000 (5.3) | 17,400 (5.1) | 13.0 | 7.7 | 0.73 | 12.1 | 3.2 | R-410A |
| S2HG9200 | WLHG09 + WLHG12 | 21,000 (6.2) | 19,200 (5.6) | 13.0 | 7.7 | 0.70 | 12.0 | 3.2 | R-410A |
| S2HG2200 | WLHG12 + WLHG12 | 24,000 (7.0) | 21,000 (6.2) | 13.0 | 7.7 | 0.68 | 12.0 | 3.2 | R-410A |

Table 6 WLCG/WLHG interconnecting line sizes

| Capacity | Max. Equivalent Length | Max. Lift | Max. Trap Height | Liquid Line | Suction Line | Condensate Line |
|--|------------------------------|--------------|------------------------|----------------|-----------------|--------------------|
| | | "H" | "P" | 0.D. | 0.D. | I.D. |
| 9,000 | 50′ | 20′ | 15′ | 1/4" | 1/2" | 1/2" |
| 12,000 | (15 m) | (6 m) | (5 m) | 1/4" | 1/2" | 1/2" |
| 18,000 | | | | 3/8" | 5/8" * | 1/2" |
| 24,000 | 100′ | 35′ | 20′ | 3/8" | 3/4" | 1/2" |
| 30,000 | (30 m) | (11 m) | (6 m) | 3/8" | 3/4" | 1/2" |
| 36,000 | | | | 3/8" | 3/4" | 1/2" |
| * Must bush down to 5/8" interconnect for 18K system | | | | | | |



P/N 240007993, Rev. E [03/3/2010]



WLCG/WLHG Air Handlers with T2CG, T3CG or T4CG Condensers

T2CG, T3CG or T4CG — description

EMI offers the finest 13 SEER high capacity multi-zone outdoor unit in the ductless split market. These top-discharge high-capacity condensing units allow the installation of up to four circuits from a single outside location when space or aesthetic requirements limit the use of locations. Each zone is independent and no mixing of refrigerant is required.

Features

- Compressors Hermetically-sealed high-efficiency rotary or reciprocating types, depending on zone loads. Motors are PSC type with inherent overload protection. Compressors are installed on resilient mountings.
- All 9,000 Btuh units are equipped with a Duratec Performance Package that includes an oversized suction accumulator with surge baffles and enhanced oil management and a factory-installed solid core filter drier.
- Cabinet Fabricated of G90U galvaneal steel, fin¬ished with corrosion inhibiting, polyester, powder coated paint (2,000 hr. salt spray tested). Fan Guard Black vinyl coated. Cabinet Color Light gray & black.
- Refrigeration Circuit The T2C, T3C, and T4C are delivered with pre-charged refrigerant (R410A) for the condenser coils and evaporators. Charging of the field-installed piping is required. Unit refrigeration valves are solid brass, for sweat connection. Solid core filter driers are factory installed on all models with rotary compressors.
- Condenser Coil The condenser coils are tested to 600 psig and are constructed of seamless copper tubing, arranged in staggered configuration, with enhanced aluminum fins. The tubes are mechanically expanded for secure bonding to fin shoulder.
- Condenser Fan/Motor The condenser fan is a large diameter, high efficiency, three or four blade (depending on capacity) aluminum propeller type, directly connected to the totally enclosed, PSC motor. The motor is fitted with internal thermal protection. These multi-zone units are a draw-through air fl ow design.

Controls and components (Factory-installed or supplied)

- Compressor and fan motor contactor
- Run capacitor
- Low voltage terminal connections
- High pressure switch with manual external reset
- Cooling operation down to 60° F (15.6° C) standard on all units
- Models 9,000-12,000 Btuh only:
 - Large capacity suction accumulator
 - Solid-core filter drier

System options

- Corrosion-resistant coil options (sea coast and harsh environment usage):
 - Copper fin/copper tube condenser coil.
 - Coated aluminum fin/copper tube condenser coil.
- Low Ambient controls for cooling operation down to 0° F (standard equipment can operate down to 32°F)
 - Optional field-installed kit, when specified, for cooling operation down to 0°F — kit includes control, louvers and wind baffle plus installation instructions.
 - Low Ambient controls for operation down to 0° F (consult factory for availability)
- Hard-start assist.

Installer-supplied items

- Power wiring.
- Low-voltage wiring (18 awg minimum).
- Secure mounting pad or foundation.
- Refrigerant piping (if not purchased from EMI).
- High-voltage disconnect.
- Refrigerant for charging interconnect piping.

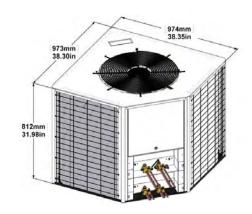


 Table 7
 Dimensional data, sound data and shipping weights

| Model | Size | Sound level | Shipping weight | | |
|-------|------------------------|----------------|--------------------|-----|--|
| | | dBA | Lbs | kg | |
| T2CG | 2400 | 70 | 325 | 147 | |
| T2CG | 4400 | 70 | 325 | 147 | |
| T2CG | 8800 | 70 | 325 | 147 | |
| T2CG | 9800 | 70 | 325 | 147 | |
| T3CG | 2240 | 70 | 325 | 147 | |
| T3CG | 9980 | 70 | 325 | 147 | |
| T3CG | 9990, 2220, 9920 | 70 | 325 | 147 | |
| T4CG | 2222, 9922, 9992, 9999 | 70 | 325 | 147 | |

Table 8 Operational Ranges

| Table 0 | operational | nanges | | | | | | |
|----------|------------------------|--|-------------------------|----------------------------|--|--|--|--|
| | | Accessories Part Numbers (Quantity) Required *** Order ALL Kits Listed Under the Operational Range *** | | | | | | |
| | | | Operatior | nal Range | | | | |
| | | 32° to 115° F | | 0° to 115° F | | | | |
| Unit | Size | (0 to 46° C) | | (-18 to 46° C) | | | | |
| | | Crankcase Heater Kit | Crankcase Heater Kit | Fan Cycle Switch Kit | Architectural Louver/Hail Guard/ Wind Baffle Kit | | | |
| T2CG | 2400, 9800 | 550002073 (1) | 550002073 (1) | 550002074 (2) | 550002057 | | | |
| T2CG | 4400, 8800 | N/R | N/R | 550002074 (2) | 550002057 | | | |
| T3CG | 2240, 9980 | 550002073 (2) | 550002073 (2) | 550002074 (3) | 550002057 | | | |
| T3CG | 9990, 2220, 9920 | 550002073 (3) | 550002073 (3) | 550002074 (3) | 550002057 | | | |
| T4CG | 2222, 9922, 9992, 9999 | 550002073 (4) | 550002073 (4) | 550002074 (4) | 550002057 | | | |
| Note: N/ | R - Not Required | | | | | | | |

WLCG/WLHG

R-410A High-Efficiency Ductless Split System **High-Wall Air Handlers**

| Straight cool / Heat pump nominal capacities | | | | | |
|--|------------------|---------------------------|-------|--|--|
| WLHG09 | WLHG12 | Units | | | |
| 9,000 | 12,000 | 18,000-23,800 | Btuh | | |
| 2.6 | 3.5 | 5.3-7.0 | kW | | |
| | Straight cooling | g only — nominal capacity | | | |
| | WLC | G30 | Units | | |
| 28,200 Btuh | | | | | |
| 8.3 kW | | | | | |

Engineering **Submittal**

| lob Name: |
|--|
| Location: |
| Customer: |
| Project Engineer: |
| Project Architect: |
| General Contractor: |
| Submitted by: For: Reference [] Approval [] |
| Date: |

NOTICE

EMI air handlers and condensers are backed by EMI and ECR International and are tested, rated and certified in accordance with ARI Standard 210/240 and UL-1995. Due to ongoing product development, product designs and specifications may change without notice. Please contact the factory for more information.

ECR International Inc 2201 Dwyer Ave Utica, NY 13504 www.enviromaster.com e-mail: info@enviromaster.com

EML Ductless

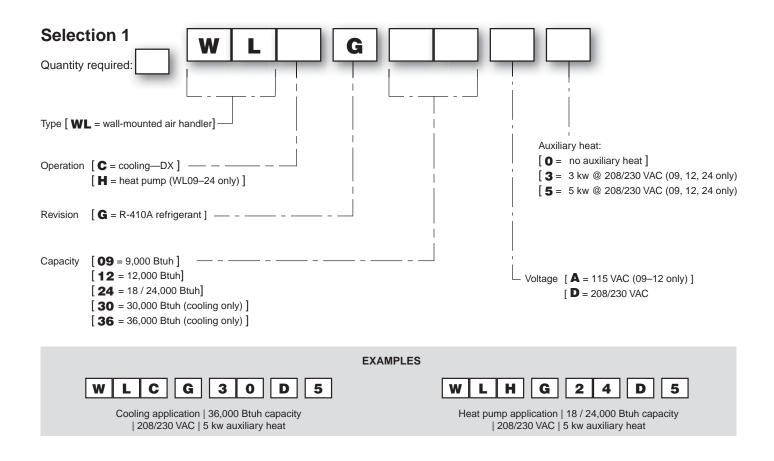
Comfort Where It Counts.



An ISO 9001-2000 Certified Company



Please fill in the boxes below to specify the air handler units

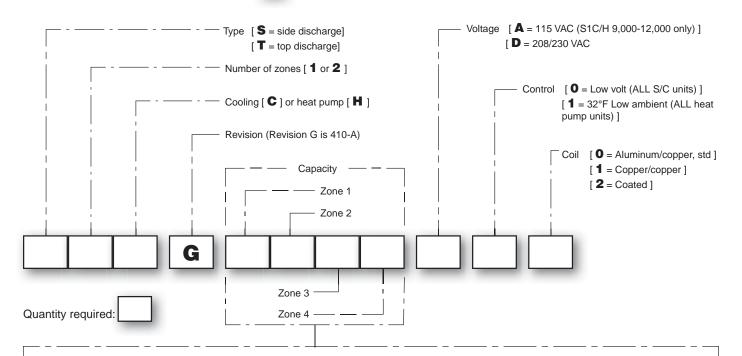


Please check the boxes below to specify optional field-installed accessories

| Condensate Pump | Refrigerant line set, 10-feet |
|---|-------------------------------|
| Remote thermostat for air handler | Refrigerant line set, 25-feet |
| Handheld IR remote controller | Refrigerant line set, 50-feet |
| Wind baffle / hail guard, architectural louver kit (required for cooling operation to 0°F (-18°C) | |
| Crankcase Heater (S1CG 9,000 - 12,000 Btuh only) required for cooling operating below 60°F (15°C) | |
| Hard Start Kit | |
| Fan Cycle Switch (required for cooling operation below 32°F (0°C)) | |



Please fill in the boxes below to specify the condenser unit



| | Dacity code | | A | vailable Un | its | | | | |
|------|--|----------|---------------------------------------|-------------|---|--|--|--|--|
| Code | Capacity Btuh | (S) | Description | (T) | Description | | | | |
| 0 | Empty zone | Capacity | (Max combined capacity = 24,000 Btuh) | Capacity | (Maximum combined capacity = 48,000 Btuh) | | | | |
| 9 | 9,000 | codes | | code | | | | | |
| 2 | 12,000 | 9000 | One zone 9,000 Btuh | 2400 | Two zones 12,000 / 24,000 Btuh | | | | |
| 8 | 18,000 | 2000 | One zone 12,000 Btuh | 4400 | Two zones 24,000 / 24,000 Btuh | | | | |
| 4 | 24,000 | 8000 | One zone 18,000 Btuh | 8800 | Two zones 18,000 / 18,000 Btuh | | | | |
| 3 | 30.000 * | 4000 | One zone 24,000 Btuh | 9800 | Two zones 9,000 / 18,000 Btuh | | | | |
| 6 | 36,000 * | 3000 * | One zone 30,000 Btuh | 2220 | Three zones 12,000 / 12,000 / 12,000 Btuh | | | | |
| - | f Straight cooling units ONLY 6000 * | | One zone 36,000 Btuh | 2240 | Three zones 12,000 / 12,000 / 24,000 Btuh | | | | |
| | 5 | 9900 | Two zones 9,000 / 9,000 Btuh | 9920 | Three zones 9,000 / 9,000 / 12,000 Btuh | | | | |
| | otal capacity | 9200 | Two zones 9,000 / 12,000 Btuh | 9980 | Three zones 9,000 / 9,000 / 18,000 Btuh | | | | |
| | Iti-zone units | 2200 | Two zones 12,000 / 12,000 Btuh | 9990 | Three zones 9,000 / 9,000 / 9,000 Btuh | | | | |
| | S) 2 zones) Btuh max total | | | 9999 | Four zones 9,000 / 9,000 / 9,000 / 9,000 Btuh | | | | |
| |) 4 zones | | | 9992 | Four zones 9,000 / 9,000 / 9,000 / 12,000 Btuh | | | | |
| | Btuh max total | * Availa | able in straight cooling units ONLY | 9922 | Four zones 9,000 / 9,000 / 12,000 / 12,000 Btuh | | | | |
| | | | | 2222 | Four zones 12,000 / 12,000 / 12,000 / 12,000 Btuh | | | | |
| | | | EXAMPLES | 1 | | | | | |
| 5 1 | CGB | 300 | 0 D 0 1 T | 2 H | G 9 8 0 0 D 1 | | | | |

Side discharge | one zone | cooling only | rev. G | 18,000 Btuh | 208/230 V | standard low volt control | copper fin, copper tube coil

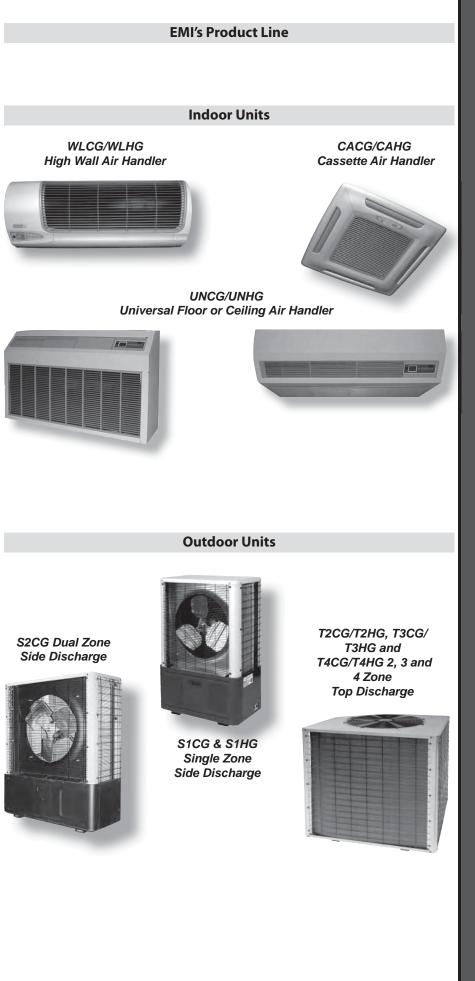
| S 2 H G 9 2 0 0 D 1 0 |
|-----------------------|
|-----------------------|

Side discharge | two zones | heat pump | rev. G | 9,000 / 12,000 Btuh | 208/230 V | 32°F Low ambient control | aluminum fin, copper tube coil

Top discharge | two zones | heat pump | rev. G | 9,000 / 18,000 Btuh | 208/230 V | 32°F Low ambient control | coated coil

 T
 4
 C
 G
 9
 9
 2
 2
 D
 0
 2

Top discharge | four zones | cooling only | rev. G | 9,000 / 9,000/ 12,000 / 12,000 Btuh | 208/230 V | standard low volt control | coated coil



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WLCG/WLHG Air Handlers with T2CG, T3CG or T4CG Condensers (continued)







T2CG, T3CG or T4CG Top Discharge

Table 9 System options with T2C, T3C or T4C top discharge

| Condenser | Wall Units | Btuh | SEER | SHR | EER | Ref. |
|-----------|------------------------|--------|------|------|------|-------|
| T2CG8800 | (2) WLHG24 | 36,000 | 13 | 0.79 | 12.1 | R410A |
| T2CG4400 | (2) WLHG24 | 47,500 | 13 | 0.73 | 11.8 | R410A |
| T2CG9800 | (1) WLHG09+ (1) WLHG24 | 27,000 | 13 | 0.8 | 12 | R410A |
| T2CG2400 | (1) WLHG12+ (1) WLHG24 | 35,800 | 13 | 0.72 | 12 | R410A |
| T3CG9990 | (3) WLHG09 | 27,000 | 13 | 0.8 | 11.7 | R410A |
| T3CG2220 | (3) WLHG12 | 36,000 | 13 | 0.71 | 11.7 | R410A |
| T3CG9920 | (2) WLHG09+(1) WLHG12 | 30,000 | 13 | 0.77 | 11.9 | R410A |
| T3CG9980 | (2) WLHG09+(1) WLHG24 | 36,000 | 13 | 0.8 | 12 | R410A |
| T3CG2240 | (2) WLHG12+(1) WLHG24 | 46,000 | 13 | 0.72 | 12 | R410A |
| T4CG99999 | (4) WLHG09 | 36,000 | 13 | 0.8 | 11.8 | R410A |
| T4CG2222 | (4) WLHG12 | 48,000 | 13 | 0.73 | 11.7 | R410A |
| T4CG9992 | (3) WLHG09+(1) WLHG12 | 39,000 | 13 | 0.71 | 11.8 | R410A |
| T4CG9922 | (2) WLHG09+(2) WLHG12 | 42,000 | 13 | 0.73 | 11.9 | R410A |

Table 10 WLCG/WLHG interconnecting line sizes

| Model/ Zone | Max. Length | Max. Lift | Max. Trap Height | Liquid Line | Suction Line | Condensate Line |
|----------------|----------------|--------------|------------------------|----------------|-----------------|--------------------|
| | | "H" | "P" | 0.D. | 0.D. | I.D. |
| 09 | 50′ | 20′ | 15′ | 1/4" | 1/2" | 1/2" |
| 12 | (15 m) | (6 m) | (5 m) | 1/4" | 1/2" | 1/2" |
| 18 | | | | 3/8" | 5/8" | 1/2" |
| 24 | 100′ | 35′ | 20′ | 3/8" | 3/4" | 1/2" |
| 30 | (30 m) | (11 m) | (6 m) | 3/8" | 3/4" | 1/2" |
| 36 | | | | 3/8" | 3/4" | 1/2" |



WLCG/WLHG Air Handlers with T2HG, T3HG or T4HG Condensers

T2HG, T3HG or T4HG — description

EMI offers the finest multi-zone heat pump outdoor units in the ductless split market, the T series (T2HB, T3HB & T4HB) condensing units. These units allow the installation of two or more circuits from a single outside location, ideal for when space or aesthetic requirements limit the use of the number of cabinets outdoors. Each zone is independent so no mixing of refrigerant occurs.

NOTICE

When specifying heat pump(s), it is recommended that the matching indoor unit(s) be equipped with electric heat.

Features

- Compressors Hermetically-sealed high-efficiency rotary or reciprocating types, depending on zone loads. Motors are PSC type with inherent overload protection. Compressors are installed on resilient mountings.
- All 9,000-12,000 Btuh units are equipped with a Duratec Performance Package that includes an oversized suction accumulator with surge baffles and enhanced oil management and a factory-installed solid core filter drier.
- Cabinet Fabricated of G90U galvaneal steel, finished with corrosion inhibiting, polyester, powder coated paint (2,000 hr. salt spray tested). Fan Guard — Black vinyl coated. Cabinet Color — Light gray & black.
- Refrigeration Circuit The T2C, T3C, and T4C are delivered with pre-charged refrigerant (R410A) for the condenser coils and evaporators. Charging of the field-installed piping is required. Unit refrigeration valves are solid brass, for sweat connection. Solid core filter driers are factory installed on all models with rotary compressors.
- Condenser Coil The condenser coils are tested to 600 psig and are constructed of seamless copper tubing, arranged in staggered configuration, with enhanced aluminum fins. The tubes are mechanically expanded for secure bonding to fin shoulder.
- Condenser Fan/Motor The condenser fan is a large diameter, high efficiency, three or four blade (depending on capacity) aluminum propeller type, directly connected to the totally enclosed, PSC motor. The motor is fitted with internal thermal protection. These multi-zone units are a draw-through air fl ow design.
- All 18,000 and 24,000 Btuh circuit units include a solid core filter drier and high pressure limit switch. The 18,000 Btuh circuits also include a large capacity suction accumulator with surge baffles and enhanced oil management.

Controls and components (factory installed and supplied)

- Compressor and fan motor contactor
- Run capacitor
- Low voltage terminal connections
- High pressure switch with manual external reset
- Heat pump hard start
- Cooling operation down to 32°F (0°C) standard on all units
- Cooling operation only available down to 32°F (0°C)
- Models 9,000-12,000 Btuh only:
 - Large capacity suction accumulator
 - Solid-core filter drier

Thermostatically-controlled crankcase heater

• This feature energizes the crankcase heater only when needed, saving unnecessary power usage and increasing overall system efficiency.

System options

- Corrosion-resistant coil options (sea coast and harsh environment usage):
 - Copper fin/copper tube condenser coil.
- Coated aluminum fin/copper tube condenser coil.
- Wind baffles louvers.

Installer-supplied items

- Power wiring.
- Low-voltage wiring (18 awg minimum).
- Secure mounting pad or foundation.
- Refrigerant piping (if not purchased from EMI).
- High-voltage disconnect.
- Refrigerant for charging interconnect piping.

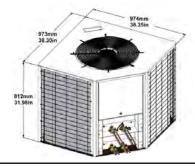


Table 11 Dimensional data, sound data and shipping weights

| Model | Size | Sound level | | Shipping weight | | | |
|-------|------------------------|----------------|-----|--------------------|--|--|--|
| | | dBA | Lbs | kg | | | |
| T2HG | 2400 | 70 | 325 | 147 | | | |
| T2HG | 4400 | 70 | 325 | 147 | | | |
| T2HG | 8800 | 70 | 325 | 147 | | | |
| T2HG | 9800 | 70 | 325 | 147 | | | |
| T3HG | 2240 | 70 | 325 | 147 | | | |
| T3HG | 9980 | 70 | 325 | 147 | | | |
| T3HG | 9990, 2220, 9920 | 70 | 325 | 147 | | | |
| T4HG | 2222, 9922, 9992, 9999 | 70 | 325 | 147 | | | |

Table 12 Cooling Operational Ranges

| | | | | ers (Quantity) R er the Operatio | • |
|---------|------------------------|-------------------------------|-------------------------|-------------------------------------|--|
| | | | Operation | nal Range | |
| Unit | Size | 32° to 115° F (0 to 46° C) | | 0° to 115° F (-18 to 46° C) | |
| Unit | 3126 | Crankcase Heater Kit | Crankcase Heater Kit | Fan Cycle Switch Kit | Architectural Louver/Hail Guard/ Wind Baffle Kit |
| T2HG | 2400, 9800 | N/R | N/R | N/R | 550002057 |
| T2HG | 4400, 8800 | N/R | N/R | N/R | 550002057 |
| T3HG | 2240, 9980 | N/R | N/R | N/R | 550002057 |
| T3HG | 9990, 2220, 9920 | N/R | N/R | N/R | 550002057 |
| T4CG | 2222, 9922, 9992, 9999 | N/R | N/R | N/R | 550002057 |
| Note: N | /R - Not Required | | | | |



WLCG/WLHG Air Handlers with T2HG, T3HG or T4HG Condensers (continued)



WLCG/WLHG



T2HG, T3HG or T4HG Top Discharge



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Table 13 System options with T2H, T3H or T4H top discharge

| Condenser | Air Handlers | Cooling Btuh | Heating Btuh | SEER | HSPF | SHR | EER | СОР | Ref. |
|-----------|------------------------|--------------|--------------|------|------|------|------|-----|-------|
| T2HG8800 | (2) WLHG24 | 36,000 | 34,000 | 13.0 | 7.7 | 0.79 | 12.1 | 3.3 | R410A |
| T2HG4400 | (2) WLHG24 | 47,500 | 41,000 | 13.0 | 7.7 | 0.73 | 11.8 | 3.2 | R410A |
| T2HG9800 | (1) WLHG09+ (1) WLHG24 | 27,000 | 25,600 | 13.0 | 7.7 | 0.8 | 12 | 3.3 | R410A |
| T2HG2400 | (1) WLHG12+ (1) WLHG24 | 36,000 | 31,500 | 13.0 | 7.7 | 0.72 | 12 | 3.3 | R410A |
| T3HG9990 | (3) WLHG09 | 27,000 | 25,800 | 13.0 | 7.7 | 0.8 | 11.7 | 3.2 | R410A |
| T3HG2220 | (3) WLHG12 | 36,000 | 33,000 | 13.0 | 7.7 | 0.71 | 11.7 | 3.2 | R410A |
| T3HG9920 | (2) WLHG09+(1) WLHG12 | 30,000 | 28,200 | 13.0 | 7.7 | 0.77 | 11.9 | 3.2 | R410A |
| T3HG9980 | (2) WLHG09+(1) WLHG24 | 36,000 | 34,200 | 13.0 | 7.7 | 0.8 | 12 | 3.2 | R410A |
| T3HG2240 | (2) WLHG12+(1) WLHG24 | 46,000 | 42,500 | 13.0 | 7.7 | 0.72 | 12 | 3.3 | R410A |
| T4HG9999 | (4) WLHG09 | 36,000 | 34,400 | 13.0 | 7.7 | 0.8 | 11.8 | 3.2 | R410A |
| T4HG9992 | (2) UNHG09 UNHG12 | 39,000 | 35,900 | 13.0 | 7.7 | 0.76 | 11.5 | 3.4 | R410A |
| T4HG2222 | (4) WLHG12 | 48,000 | 49,000 | 13.0 | 7.7 | 0.73 | 11.7 | 3.2 | R410A |
| T4HG9922 | (2) WLHG09+(2) WLHG12 | 42,000 | 39,200 | 13.0 | 7.7 | 0.73 | 11.9 | 3.3 | R410A |

Table 14 WLCG/WLHG interconnecting line sizes

| Model/ Zone | Max. Length | Max. Lift | Max. Trap Height | Liquid Line | Suction Line | Condensate Line |
|----------------|----------------|--------------|------------------------|----------------|-----------------|--------------------|
| | | "H" | "P" | 0.D. | 0.D. | I.D. |
| 09 | 50′ | 20′ | 15′ | 1/4" | 1/2" | 1/2" |
| 12 | (15 m) | (6 m) | (5 m) | 1/4" | 1/2" | 1/2" |
| 18 | | | | 3/8" | 5/8" | 1/2" |
| 24 | 100′ | 35′ | 20' | 3/8" | 3/4" | 1/2" |
| 30 | (30 m) | (11 m) | (6 m) | 3/8" | 3/4" | 1/2" |
| 36 | | | | 3/8" | 3/4" | 1/2" |



Electrical Specifications

NOTICE

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

Table 15 Electrical specifications — WLCG/WLHG

| MODEL | VOLTS/HZ/PH | FAN RLA | HP | HEATER K.W. | AMPS | TOTAL AMPS | MIN VOLT | M.C.A. | HACR BRKR |
|---------------|--------------|------------|------|-------------|-------|---------------|-------------|--------|--------------|
| | 115/60/1 | 0.64 | 0.02 | - | - | 0.64 | 104 | 0.8 | 15 |
| WLHG 09–12 | 208/230/60/1 | 0.34 | 0.02 | - | - | 0.34 | 197 | 0.4 | 15 |
| 09-12 | 208/230/60/1 | 0.34 | 0.02 | 3 | 13.04 | 13.38 | 197 | 16.7 | 20 |
| | 208/230/60/1 | 0.56 | 0.07 | - | - | 0.56 | 197 | 0.7 | 15 |
| WLHG 24 | 208/230/60/1 | 0.56 | 0.07 | 3 | 13.04 | 13.6 | 197 | 17 | 20 |
| 24 | 208/230/60/1 | 0.56 | 0.07 | 5 | 21.74 | 22.3 | 197 | 27.9 | 30 |
| WLCG | 208/230/60/1 | 0.8 | 0.10 | - | - | 0.8 | 197 | 1 | 15 |
| 30/36 | 208/230/60/1 | 0.8 | 0.10 | 5 | 21.74 | 22.54 | 197 | 28.2 | 30 |

Table 16 Electrical specifications — S1CG/S1HG,S2CG/S2HG

| | | Fan M | Notor | | Comp | ressor | | | | | | |
|------------------------|------------------|-------|-------|------|-------|--------|-------|---------------|-------------|--------|--------------|--|
| Model # | Volts/HZ/PH | | | Circ | uit 1 | Circ | uit 2 | Total amps | Min volt | M.C.A. | HACR BRKR | |
| | | AMPS | HP | RLA | LRA | RLA | LRA | | | | | |
| S1CG9000A S1HG9000A | 115/60/1 | 1.4 | 0.125 | 7.5 | 47 | N/A | | 8.9 | 104 | 10.8 | 15 | |
| S1CG2000A S1HG2000A | 115/60/1 | 1.4 | 0.125 | 9.9 | 53 | N/A | | 11.3 | 104 | 13.8 | 20 | |
| S1CG9000D S1HG9000D | 208/230/60/1 | 0.8 | 0.125 | 3.9 | 20 | N/A | | 4.7 | 197 | 5.7 | 15 | |
| S1CG2000D S1HG2000D | 208/230/60/1 | 0.8 | 0.125 | 5.2 | 27 | N/A | | 6.0 | 197 | 7.3 | 15 | |
| S1CG8000D S1HG8000D | 208/230/60/1 | 0.8 | 0.125 | 5.9 | 43 | N/A | | 6.7 | 197 | 8.2 | 15 | |
| S1CG4000D S1HG4000D | 208/230/60/1 | 0.8 | 0.125 | 8.0 | 43 | N | /A | 8.8 | 197 | 10.8 | 15 | |
| S1CG3000D | 208/230/60/1 | 1.8 | 0.330 | 11.6 | 74 | N | /A | 13.4 | 197 | 16.3 | 25 | |
| S1CG6000D | 208/230/60/1 | 1.8 | 0.330 | 11.5 | 79 | N | /A | 13.3 | 197 | 16.2 | 25 | |
| S2CG2200D S2HG2200D | 208/230/60/1 | 1.8 | 0.330 | 5.2 | 27 | 5.2 | 27 | 9.6 | 197 | 10.6 | 15 | |
| S2CG9200D S2HG9200D | 208/230/60/1 | 1.8 | 0.330 | 3.9 | 20 | 5.2 | 27 | 10.9 | 197 | 12.2 | 15 | |
| S2CG9900D S2HG9900D | 208/230/60/1 | 1.8 | 0.330 | 3.9 | 20 | 3.9 | 20 | 12.2 | 197 | 13.5 | 15 | |
| M.C.A mini | mum circuit amps | | | | | | | | | | | |



Electrical Specifications (cont.)

Table 17 Electrical specifications T2CG/T3CG/T4CG, T2HG/T3HG/T4HG

| Model # | Volts/HZ/PH | Fan M | otor | Comp Zor | ressor 1e-1 | | ressor 1e-2 | | pressor ne-3 | | ressor ne-4 | Total | Min | M.C.A. | HACR BRKR |
|------------|------------------|-------|------|-------------|----------------|-----|----------------|-----|-----------------|-----|----------------|-------|------|--------|--------------|
| | | AMPS | HP | RLA | LRA | RLA | LRA | RLA | LRA | RLA | LRA | amps | volt | | BKKK |
| T2CG2400D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 8.2 | 58.3 | | | | | 15.2 | | 17.3 | 25 |
| T2CG4400D | 208/230/60/1 | 1.8 | 0.33 | 8.2 | 58.3 | 8.2 | 58.3 | | | | | 18.2 | 197 | 20.3 | 25 |
| T2CG8800D | 208/230/60/1 | 1.8 | 0.33 | 5.9 | 43 | 5.9 | 43 | | | | | 13.6 | 197 | 15.1 | 20 |
| T2CG9800D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 5.9 | 43 | | | | | 11.6 | 197 | 13.1 | 15 |
| T3CG2220D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 5.2 | 27 | 5.2 | 27 | | | 17.4 | 197 | 18.7 | 20 |
| T3CG2240D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 5.2 | 27 | 8.2 | 58.3 | | | 20.4 | 197 | 22.5 | 30 |
| T3CG9920D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 5.2 | 27 | | | 14.8 | 197 | 16.1 | 20 |
| T3CG9990D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | | | 13.5 | 197 | 14.5 | 15 |
| T3CG9980D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 5.9 | 43 | | | 15.5 | 197 | 17 | 20 |
| T4CG2222D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 5.2 | 27 | 5.2 | 27 | 5.2 | 27 | 22.6 | 197 | 23.9 | 25 |
| T4CG9922D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 5.2 | 27 | 5.2 | 27 | 20 | 197 | 21.3 | 25 |
| T4CG9992D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | 5.2 | 27 | 18.7 | 197 | 20 | 25 |
| T4CG9999D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | 17.4 | 197 | 18.4 | 20 |
| | | | | | | | | | | | | | | | |
| T2HG2400D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 8.2 | 58.3 | | | | | 15.2 | 197 | 17.3 | 25 |
| T2HG4400D | 208/230/60/1 | 1.8 | 0.33 | 8.2 | 58.3 | 8.2 | 58.3 | | | | | 18.2 | 197 | 20.3 | 25 |
| T2HG8800D | 208/230/60/1 | 1.8 | 0.33 | 5.9 | 43 | 5.9 | 43 | | | | | 13.6 | 197 | 15.1 | 20 |
| T2HG9800D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 5.9 | 43 | | | | | 11.6 | 197 | 13.1 | 15 |
| T3HG2220D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 5.2 | 27 | 5.2 | 27 | | | 17.4 | 197 | 18.7 | 20 |
| T3HG2240D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 5.2 | 27 | 8.2 | 58.3 | | | 20.4 | 197 | 22.5 | 30 |
| T3HG9920D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 5.2 | 27 | | | 14.8 | 197 | 16.1 | 20 |
| T3HG9980D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 5.9 | 43 | | | 15.5 | 197 | 17 | 20 |
| T3HG9990D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | | | 13.5 | 197 | 14.5 | 15 |
| T4HG2222D | 208/230/60/1 | 1.8 | 0.33 | 5.2 | 27 | 5.2 | 27 | 5.2 | 27 | 5.2 | 27 | 22.6 | 197 | 23.9 | 25 |
| T4HG9922D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 5.2 | 27 | 5.2 | 27 | 20 | 197 | 21.3 | 25 |
| T4HG9992D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | 5.2 | 27 | 18.7 | 197 | 20 | 25 |
| T4HG9999D | 208/230/60/1 | 1.8 | 0.33 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | 3.9 | 20 | 17.4 | 197 | 18.4 | 20 |
| M.C.A mini | mum circuit amps | | | | | | | | | | | | | | |



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