



PRESENTS

# comfortWAVE

Chilled/Hydronic Ductless Air Handler

## 2 Pipe Fan Coil Ceiling Cassette Air Handler



2-Pipe Chilled Water -  
Optional Electric Heat

### Product Description

EMI's 2 pipe chilled water hydronic fan coil ceiling cassette with optional electric heat, mounts flush with the ceiling. 6 nominal capacities are available with factory installed condensate pump, fresh air, and branch duct knockouts. Manually adjustable auto sweep or fixed position stop supply discharge air louvers available dependent on size. Washable air filter(s) included.

### Standard Features

EMI Cassette Air handlers available in three cabinet sizes with six output capacities from 8,000–36,000 Btuh.

#### Features include:

- ◇ Condensate pump with safety switch and 36" (0.9 m) lift; (measured from base or bottom of unit) fresh air inlet, branch duct knockouts, and motorized air vanes (models 18 through 36).
- ◇ Electric heat factory-installed option only. No field installed electric heat kits available.
- ◇ Cassette air handler accepts optional wired wall thermostat.
- ◇ Cassette air handler accepts optional Infra Red (IR) Handheld remote.
- ◇ Designed for low noise levels, easy installation, maintenance and slim line fascia, ensuring minimum intrusion into conditioned environment.
- ◇ 208-230V/1/60Hz Standard
  - 115V/1/60Hz Available
  - 220-240/1/50Hz Available
  - No Derate for 115V or 50Hz
- ◇ All EMI air handlers are tested in accordance with AHRI standards 440 and UL 1995.

#### Construction Materials

- Galvanized steel cabinet with fire-resistant thermal and acoustic foam insulation.
- Light grey high-impact ABS fascia.
- Expanded polystyrene drain pan with, fire-retardant thermoplastic liner.

### Standard Features - conti.

#### Air Systems

- Fans are backward-curved impeller centrifugal design; dynamically and statically balanced; and mounted on integral mounting rails.
- Single-fan models 08, 12, 18 & 20 are designed with fire-retardant plastic or aluminum impellers.
- Twin fan models (33 and 36) are designed with aluminum impellers.
- Motors are multispeed, enclosed type with thermal protection and sealed lifetime bearings.
- Permanent, washable filter, user accessible.
- Branch duct knockouts on three sides for remote discharge locations, using no more than two non-adjacent sides.
- Fresh air intake capability 2 sides on models 08 and 12, three sides on all other models. (10% CFM, 10' maximum length).
- Four plastic air vanes, motor driven with auto sweep or fixed position stop setting on models 18 through 36. Models 08–12 are equipped with manually adjusted air vanes.

#### Coil

- Coil is seamless, copper tubing, arranged in staggered configuration, with enhanced aluminum fins, tested to 500 psig.
- Tubes mechanically expanded for secure bonding to fin shoulder.

#### Controls And Components (Factory Installed or Supplied)

- Connections for optional wired wall thermostat.
- Optional IR remote.
- Custom control board featuring programmability, configuration, and multiple modes of operation.
- Controls also feature post purge fan relay, and on-board 30-amp electric heat relay.
- Condensate pump with 36" (0.9 m) lift (measured from base of unit).
- 24V Transformer.

### Optional Equipment

- ◇ Approved EMI wired wall thermostat.
- ◇ Electric Heat (@ 230V)
  - 1.5 kW — models 08–12
  - 3 kW — models 18–20
  - 5 kW — models 33–36

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