

## SECTION 238240 - CABINET UNIT HEATERS

## PART 1-GENERAL

## 1.1 SECTION INCLUDES

- A. Ceiling or wall mounted hydronic cabinet unit heaters as scheduled and located on drawings..

## 1.2 SUBMITTALS

- A. Submit shop drawings and product data per applicable Division I Specification.
- B. Shop drawings shall include product data noting capacities at the specified conditions, materials, sizes, and dimensions.

## 1.3 QUALITY ASSURANCE

- A. Capacity rated in accordance with ARI.
- B. Hydronic coils shall be pressure tested to 400 psig.
- C. Units shall be UL or ETI listed and labeled.

## PART 2-PRODUCTS

## 2.1 MANUFACTURERS

- A. Sterling
- B. Trane
- C. Vulcan
- D. Daikin

## 2.2 COMPONENTS

- A Hydronic Cabinet Unit Heaters
  - 1. Cabinets shall be 16 gage formed steel suitable for Semi or recessed ceiling mounting or wall mounting. Provide with stamped grilles for air inlet and outlet.
  - 2. Provide with end pockets on both ends of the cabinet suitable in size for concealing piping and valving.
  - 3. Coils: Evenly spaced aluminum fins mechanically bonded to copper tubes, designed for 100 psi and 22 degrees.
  - 4. Cabinet: 16 gage steel with exposed corners and edges rounded, easily removed panels, and glass fiber insulation.

5. Fans: Centrifugal forward-curved double-width wheels, statically and dynamically balanced, and direct driven.
6. Motor: Sleeve bearings, and resiliently mounted.
7. Provide with: Multiple speed switch, disconnect switch, and fused motor protection.
8. Filter: Easily removed one inch thick glass fiber throw-away type, located to filter air before coil.
9. Capacity: Based on 65° F entering air temperature, 180 °F entering water temperature, 30% Propylene Glycol mixture, and a 30° F Delta T.
10. Provided with a factory enamel finish

### PART 3-EXECUTION

#### 3.1 INSTALLATION

- A. Install per manufacturers requirements.

END OF SECTION 238240