

- power supply. All units shall be listed with UL and ARI 210/240 certified.
2. Casing shall be constructed of heavy duty sheet steel on galvanized steel frame, with baked enamel finish. Removable panels shall be provided for fan and coil sections and shall provide full access to all internal parts. Unit shall have filter access panel and filter rack. Casing shall have foil faced R04.2 (minimum) insulation. All insulating materials shall meet the requirements of NFPA 90A. Knockouts shall be provided for electrical wiring. Units shall have integral primary condensate pan with primary and secondary drain connections. Condensate drain pan shall be sloped toward drain, and of PVC or galvanized steel construction.
  3. Fans
    - a. Fans shall be forward curved, centrifugal, dynamically and statically balanced. Fan motors shall have permanently lubricated bearings, and thermal overload protection. Fan shall be mounted on vibration isolators.
      - 1) 1-1/2 to 5 tons: Fans shall be 3 speed. Provide variable speed air handlers where scheduled on plans.
      - 2) 7-1/2 to 20 tons. Adjustable belt drive with oversized motor available for high static application.
    - b. Performance Ratings: Determined in accordance with AMCA 210 and labeled with AMCA Certified Rating Seal.
    - c. Sound Ratings: AMCA 301; tested to AMCA 300.
  4. Coils
    - a. Refrigerant Coils:
      - 1) Aluminum fins bonded to copper tube, pressure and leak tested to 375 psig.
      - 2) 7-1/2 to 20 tons: Dual circuits, where two stages are indicated on schedule. Split face for maximum latent performance at part load.
      - 3) Headers: Seamless copper tubes with silver brazed joints.
      - 4) Liquid Distributors: Brass or copper venturi distributor with seamless copper distributor tubes.
      - 5) Configuration: Down feed with bottom suction.
    - b. Electric Coils:
      - 1) Assembly: UL listed and labelled, with terminal control box and cover, splice box, coil, casing and controls.
      - 2) Coil: Exposed helical coil.
      - 3) Casing: Die formed channel frame of galvanized steel.
      - 4) Controls: Automatic reset thermal cut-out, built-in magnetic contactors air flow proving device.
    - c. Controls
      - 1) Controls shall include magnetic contactor for evaporator fan motor, low voltage terminal strip.
      - 2) 1-1/2 to 5 tons: