

Supply where indicated in these specifications, or where shown on drawings, CSA/UL approved model NER Fanless Mini Make Up Air unit, Manufactured by **THERMOLEC LTD.**

**1-CONSTRUCTION:**

- Frame shall be corrosion-resistant and made of galvanized steel of suitable gauge as required by CSA/UL

**2- HEATER:**

- Heating coils shall be of High Grade Nickel Chromium alloy and shall be insulated by floating ceramic bushings from the galvanized steel frame. Coil terminals shall be stainless steel, insulated by means of non-rotating ceramic bushings

**3- SAFETY CONTROLS:**

- Hi-limit temperature control with damper shutdown and alarm
- Low-limit temperature control with damper shutdown and alarm
- High temperature automatic reset thermal cutout that will reset automatically after cool off
- Manual reset

**4 – STANDARD BUILT IN COMPONENTS:**

- Duct Temperature sensor
- Backdraft Damper
- Washable filter
- Built in Electronic controller (SCR) - ON/OFF components will not be accepted
- Current sensor available on all units

**5- AIR FLOW**

- Built in Temperature Sensor controls the heater proportionally to maintain the pre-set air temperature in the duct
- Reversible mounting air flow capability
- Electronic Air Flow sensor available on models below 100 cfm, and a maximum kw's of 3kw on 240/1 or 2.5kw 208/1

**6-SIZE AND CAPACITY:**

- Collar size, heater kW's, volts and phase, shall be as per Model NER Fanless Mini Make up Air schedule.

**7-INTERNAL WIRING:**

- All internal wiring shall terminate on clearly identified terminal blocks.
- A wiring diagram shall be installed on the control box cover
- Prior to shipping, all units shall withstand tests as required by CSA/UL.

**8-MOUNTING METHOD:**

- Unit must have inlet/outlet collars to accommodate job requirement
- The unit shall have hanger brackets designed to be used with threaded rods (by others). Spring isolators or other means, may be added to the rods as an option to reduce vibration (by others)
- Zero clearance to combustibles

**9 – APPROVALS**

- Model NER Fanless Mini Make up Air data sheets, wiring diagrams and mechanical drawings shall be submitted to the consulting engineer for approval prior to manufacturing.