LC-209

LIGHT COMMERCIAL ENCLOSURE FOR TO-THE-FLOOR INSTALLATIONS

Vulcan Radiator
LC-209
A RUGGEDLY BUILT, HEAVY GAUGE & EASY TO INSTALL BASEBOARD RADIATION SYSTEM FOR THE INSTITUTIONAL MARKET

• FRONTS OF HEAVY GAUGE STEEL
  16 or 18 Gauge available.
  (Consult factory for 14 Gauge availability.)

• DESIRABLE CHOICE FOR HIGH DENSITY INSTITUTIONAL USE
  student dorms, military housing, nursing homes, apartment houses and the replacement market.

• LABOR SAVING ROD HANGERS
  are suspended from prepunched slots in the full backplate.
  No screws or bolts to fasten.

• NEAT-APPEARING SLIP JOINTED ENCLOSURES
  no sheet metal screws required.

• OFF-THE-WALL BACKPLATE
  allows enclosures to be installed or removed without damage to finished wall.

• OPTIONAL DAMPERS
  rugged commercial, fully-modulating damper assembly with durable satin finish knob operator.
  (Also available with TAMPER-RESISTANT socket head.)

• ANCHOR-TYPE ACCESSORIES
  all accessories return and attach to wall at bottom of enclosure. This eliminates the need for screws while it adds rigidity to the enclosure.

• PENCIL-PROOF LOUVERED OPENINGS
  prevents trash accumulation on element.

• BROAD CHOICE OF ELEMENTS
  Available in both copper and steel. Wide variety of sizes and outputs. All elements completely enclosed within the enclosure.

• DURABLE FINISH
  all enclosures are chemically phosphatized before application of baked primer or baked powder.
  (See Vulcan Color Selector for standard finishes.)

All Vulcan commercial hydronic products are made from recycled materials. Recycled material contents can be obtained from your local Vulcan representative or by viewing the www.vulcanrad.com website. Vulcan is a participating member of USGBC-LEEDS.

FULL BACKPLATE INSTALLATION

- FULL BACKPLATE INSTALLATION
  - BROAD CHOICE OF ELEMENTS
  - DURABLE FINISH
  - LABOR SAVING ROD HANGERS
  - NEAT-APPEARING SLIP JOINTED ENCLOSURES
  - OFF-THE-WALL BACKPLATE
  - OPTIONAL DAMPERS
  - ANCHOR-TYPE ACCESSORIES
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FULL BACKPLATE INSTALLATION
COPPER/ALUMINUM ELEMENT RATINGS

STYLE Light Commercial “LC-209”

ALL RATINGS ARE BASED ON 65° EAT TUBE

<table>
<thead>
<tr>
<th>CATALOG DESIGNATION</th>
<th>FIN SIZE</th>
<th>FIN PER FT</th>
<th>FIN THICKNESS IN INCHES</th>
<th>WATER RATE IN GPM</th>
</tr>
</thead>
<tbody>
<tr>
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These are water ratings plus 15% for heating effect. Ratings are based on active length–active fins = over-all length minus 4” (2” stubs). Ratings are with damper installed. The use of ratings at 4 GPM is limited to installations (usually loop) where the flow rate is 4 GPM or greater. When the flow rate is not known the standard flow rate of 1 GPM must be used.

NOTE: Copper/Aluminum Elements are unpainted. There is no change in output without a damper or with a damper installed in open position.

DATA CHARTS
WATER FLOW RATE CORRECTION FACTORS

<table>
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<th>LB/HR</th>
<th>GPM</th>
<th>FACTOR</th>
<th>LB/HR</th>
<th>GPM</th>
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<td>3000</td>
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</tbody>
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STEEL ELEMENT RATINGS

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<td>.024</td>
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</table>

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NOTE: Copper/Aluminum Elements are unpainted. There is no change in output without a damper or with a damper installed in open position.

NOTE: NPT Threads furnished on steel elements, please use domestic fittings for their proper installation.

PARTIAL BACKPLATE INSTALLATION
ELEMENT CRADLE WITH BALL BEARING INSTALLATION

ROD HANGER INSTALLATION

These are water ratings plus 15% for heating effect. Ratings are based on active length–active fins = over-all length minus 4” (2” stubs). Ratings are with damper installed. The use of ratings at 4 GPM is limited to installations (usually loop) where the flow rate is 4 GPM or greater. When the flow rate is not known the standard flow rate of 1 GPM must be used.

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Furnish and install where shown on plans, Vulcan LC 209 Finned Tube Radiation as described in the following specification or approved quality and capacity equal.

Enclosure shall be one piece manufactured of 18 gauge standard (optional 16 or 14 gauge CRS) steel with pencil proof louvered discharge grille. Damper shall be fully-modulating type with satin finish knob or (optional) tamper-resistant socket head operator. Enclosures shall be joined by means of slip joint.

Full back panel (20 gauge) shall be die formed for rigidity and will have prepunched slots for rod hangers. It shall be off-the-wall type allowing for removal of enclosure without damage to finished wall. Partial back plate (20 gauge) shall be pre-painted steel and roll formed. Installations with full backplate will incorporate fixed and/or adjustable element rod hangers.

Installations with partial backplate will incorporate intermediate bottom supports with ball bearings and slide cradles when no pitch is required. Wall-mounted adjustable rod hangers will be used with partial backplate when pitch is required for steam jobs.

All accessories shall be anchor type providing additional support of enclosures.