The Liebert® MCR is a self-contained rack enclosure system that includes a load-sized, computer-grade air conditioner located at the bottom of the enclosure, with the option of a top mount design, supplying cool air to sensitive equipment on all levels. A back-up cooling system ensures environmental security. Power can be supplied and protected through an optional Liebert GXT on-line UPS or Liebert PSI line-interactive UPS.
Exclusive Uninterruptible Environmental Support

**Internal ECM**

The integrated ECM enclosure design promotes the best air circulation to prevent hot spots within the enclosure. Inside and outside air are isolated for maximum cleanliness.

**Air Distribution**

Exclusive ECM conditioned air distribution duct ensures uniform air flow for multiple enclosures.

**Back-Up Cooling**

During high internal temperature or power outage conditions, the BCM (Back-Up Cooling Module) — powered by the enclosure’s UPS — is automatically activated, drawing in filtered outside air to ensure continuous air flow to protected equipment.

**External ECM**

The top mounted ECM allows maximum use of internal rack space or can be used with the internal/rack mount ECM to double cooling capacity.
Flexibility:
- Designed as a plug-and-play system ready to install.
- Wheel-mounted cabinet for easy relocation. Adjustable racks and rack rails support a wide variety of equipment.
- Optional top mounted air conditioning allows maximum use of internal rack space or can be used to double cooling capacity with the internal air conditioning unit.

Higher Availability:
- Cools IT equipment to eliminate downtime from overheating.
- Lockable door protects against unauthorized access. Specially designed door gasket and sealed cable entrance ensure stable cooling environment. Back-up cooling assures continued cooling in the event of a power loss.
- Improved cable access and management improves airflow to reduce overheating of protected IT equipment.

Lowest Total Cost Of Ownership:
- Competitively priced as an integrated system, compared to purchasing separate components. Simplified plug-and-play installation reduces overall implementation time, reducing costs.
- Optional energy saver control saves money by allowing back-up cooling to operate as primary enclosure cooler. Integrated air conditioning reduces potential downtime costs by assuring proper system operation.

Ideally Suited For:
- Network closets.
- Server closets or small rooms.

Liebert® MCR 22U Model
## Specifications

### ENCLOSURE DIMENSIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Frame Dimensions</th>
<th>Rack</th>
<th>Adjustable Rack Depth</th>
<th>Internal Rack</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Height*</td>
<td>Width</td>
<td>Depth***</td>
<td>Width</td>
</tr>
<tr>
<td></td>
<td>in. (mm)</td>
<td>in. (mm)</td>
<td>in. (mm)</td>
<td>max in. (mm)</td>
</tr>
<tr>
<td>HD_780</td>
<td>77 (1956)</td>
<td>23.5 (597)</td>
<td>30 (762)</td>
<td>19 (483)</td>
</tr>
<tr>
<td>HD_788</td>
<td>77 (1956)</td>
<td>23.5 (597)</td>
<td>38 (965)</td>
<td>19 (483)</td>
</tr>
</tbody>
</table>

* Casters add 1.5" to overall height of frame = 2000mm

*** BCM option adds an additional 3.00" to overall depth of frame.

**** Max dimension is for ex-factory configuration. Rails can be inverted to provide an additional 4.00" of adjustment.

### ECM (ENVIRONMENTAL COOLING MODULE) PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity</th>
<th>Supported Load</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Total Heat Rej.</th>
<th>Input Power (1PH)</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECM2000L*-C60</td>
<td>6897 (2021)</td>
<td>5621 (1647)</td>
<td>105°F/41°C</td>
<td>12.25 (311)-7</td>
<td>17.43 (443)</td>
<td>10935 (3204)</td>
<td>120</td>
<td>9.8</td>
</tr>
</tbody>
</table>

** T (top mount) and R (rack mount). Top mount weight does not include interface plenum. The interface plenum for a 19" rack x 30" deep cabinet is 38 lbs.*

Sound data based on sound pressure A-weighted scale for free field spherical radiation at 1.5 meters from cabinet.

### BCM (BACK-UP COOLING MODULE) PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity</th>
<th>Supported Load</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
<th>Total Heat Rej.</th>
<th>Input Power (1PH)</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM2000L-60</td>
<td>N/A 2811 (824)</td>
<td>105°F/41°C</td>
<td>35.0 (889)</td>
<td>15.5 (393.7)</td>
<td>3.75 (95.2)</td>
<td>47 (21.3)</td>
<td>10935 (3204)</td>
<td>120</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Above BCM weight includes rear door weight of 17 Lbs.

Sound data based on sound pressure A-weighted scale for free field spherical radiation at 15 meters from cabinet.

### 22U PACKAGED ENCLOSURE

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Frame Dimensions</th>
<th>Rack in. (mm)</th>
<th>Adjustable Rack Depth in. (mm)</th>
<th>Internal Rack Height</th>
<th>Weight</th>
<th>Rack Cooling supported load</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD448D000KD945 (rack and cooling module)</td>
<td>591 (1501)</td>
<td>23.5 (597)</td>
<td>38 (965)</td>
<td>19 (483)</td>
<td>17.8 (450)</td>
<td>30.5 (775)</td>
</tr>
<tr>
<td>HD448D000KE865 (rack,cooling module, 2000VA Liebert GXT3 UPS, Liebert MPH Rack PDU)</td>
<td>591 (1501)</td>
<td>23.5 (597)</td>
<td>38 (965)</td>
<td>19 (483)</td>
<td>17.8 (450)</td>
<td>30.5 (775)</td>
</tr>
</tbody>
</table>

22U Model dimensions include top-mount module and casters.

VertivCo.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

© 2017 Vertiv Co. All rights reserved. Vertiv and the Vertiv logo are trademarks or registered trademarks of Vertiv Co. All other names and logos referred to are trade names, trademarks or registered trademarks of their respective owners. While every precaution has been taken to ensure accuracy and completeness herein, Vertiv Co. assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications are subject to change without notice.