

■ Integrated Cabinet Solutions  
For *Business-Critical Continuity™*

*Liebert® MCR*  
*Mini Computer Room Enclosure*



# Liebert MCR

## Mini Computer Room Enclosure

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.



An optional top mounted ECM allows for maximum use of internal rack space and can be used to double capacity with internal/rack mount ECM.

**Secure Door lockable door** provides an extra measure of security by limiting access to critical equipment.

**BCM** (Back-up Cooling Module)

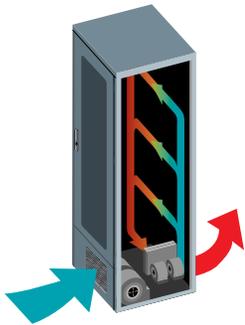
**Sealed Door** specially designed rubber gasket provides NEMA12 sealing protection.

**Liebert GXT2** on-line UPS

**ECM** (Environmental Control Module)

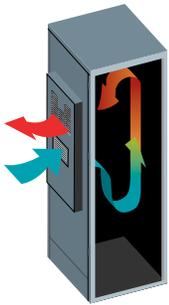


## Exclusive Uninterruptible Environmental Support



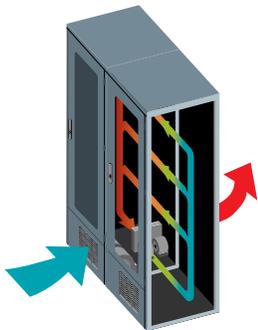
### Internal ECM

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.



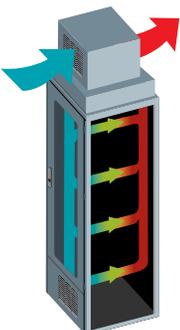
### Back-Up Cooling

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.



### Air Distribution

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



### 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

# Ensuring The High Availability Of Mission-Critical Data And Applications.

## Specifications

### ENCLOSURE DIMENSIONS

Model	Overall Frame Dimensions			Rack		Adjustable Rack Depth		Internal Rack Height	
	Height*	Width	Depth***	Width	Available Width	B****		RACKU	In. (mm)
	In. (mm)			In. (mm)	In. (mm)	Max In. (mm)	Min In. (mm)		
HD_780	77 (1956)	23.5 (597)	30 (762)	19 (483)	17.8 (450)	22.5 (571.5)	18.5 (470)	42	73.5 (1867)
HD_788	77 (1956)	23.5 (597)	38 (965)	19 (483)	17.8 (450)	30.5 (775)	26.5 (673)	42	73.5 (1867)

\* 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

Model Number	Rated Capacity	Supported Load	Max Ambient	Height	Width	Depth	Total Heat Req.	Input Power (1PH)					Sound	
	BTUH (Watts)	BTUH (Watts)		In (mm) - U	In (mm)	In (mm)	BTUH (Watts)	Volts	Hz	FLA	WSA	OPD	Plug	Lpa (1.5 m)
ECM1000L*-C60	5315 (1557)	2811 (824)	105°F / 41°C	12.25 (311)-7	17.43 (443)	29 (737)	7146 (2094)	120	60	7.3	8.6	15	73.5 (1867)	52
ECM2000L*-C60	6897 (2021)	5621 (1647)	105°F / 41°C	12.25 (311)-7	17.43 (443)	29 (737)	10935 (3204)	120	60	9.8	11.7	15	73.5 (1867)	52

\*\* 1 (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.

Sound data reflects only rack mount design. Consult factory for top mount data.

### BCM (Back-Up Cooling Module) PERFORMANCE DATA

Model Number	Rated Capacity	Supported Load	Max Ambient	Height	Width	Depth	Weight	Total Heat Req.	Input Power (1PH)					Sound
	BTUH (Watts)	BTUH (Watts)		In (mm) - U	In (mm)	In (mm)	Lbs (kg)	BTUH (Watts)	Volts	Hz	FLA	WSA	OPD	Lpa (1.5 m)
BCM 1000L-60	N/A	2811 (824)	105°F / 41°C	35.0 (889)	15.5 (393.7)	3.75 (95.2)	47 (21.3)	7146 (2094)	120	60	1.0	1.3	15	57
BCM 2000L-60	N/A	2811 (824)	105°F / 41°C	35.0 (889)	15.5 (393.7)	3.75 (95.2)	47 (21.3)	10935 (3204)	120	60	2.0	2.5	15	59

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 1.5 meters from cabinet.

Liebert Corporation



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