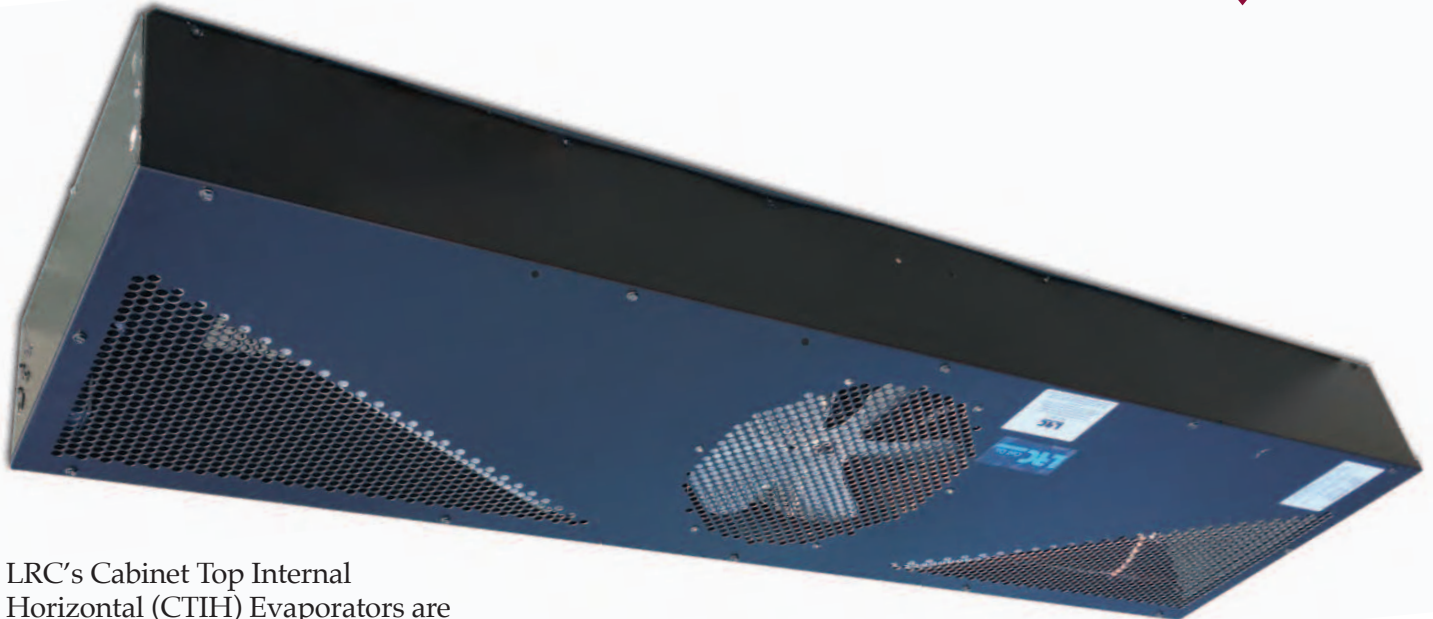


## Quiet, Wine Cabinet Evaporator

Air Defrost - 1,537 to 5,107 BTUH Capacity

Application - Internal horizontal cooling unit for wine walls/cabinets, tobacco humidors or fur storage cabinets

**Extremely  
Quiet  
Unit**



LRC's Cabinet Top Internal Horizontal (CTIH) Evaporators are small units designed for medium to large size humidity controlled spaces such as wine cabinets/walls, fur cabinets and tobacco humidors. CTIH Evaporators are designed to be installed horizontally near the top of a cabinet and have a 6" profile to minimize unit space and maximize storage space.

CTIH Evaporators are available in capacities from 1,537 to 5,107 BTU/hour and can be used with R22, R134a, or R404a refrigerants. Chilled water models are available by special order.

- Very low noise
- Provides consistent humidity by maintaining a steady coil temperature, reducing the need for expensive temperature and humidity controls in most applications\*. Contact LRC for more details.

- Constant pressure expansion valve standard
- Rust-proof aluminum housing with flat black powder coated finish. Other colors available.
- High performance staggered coils with copper tubing mechanically expanded into aluminum fins
- Each unit pressure tested to eliminate leaks.
- Factory wired for easy field installation
- Coil and drain pan dipped and baked with LRCCoat™ anticorrosion coating
- Condensate pump to evacuate excess moisture

### **Options Available** **Call for details**

- Copper coils and/or stainless steel cabinets available for special applications
- Chilled water coils available

- Pre-charged, custom or OEM units can be made to order

Our Application Engineers can help you design the system you need. Call us today, 562-944-1969, and we'll help you get the right LRC product for your project.

### **OUR UNCONDITIONAL GUARANTEE**

We're proud of the workmanship that goes into every LRC product. Because of our exacting design and manufacturing standards, and our thorough testing prior to shipping, we unconditionally guarantee our products to be free from manufacturing defects for one year. You can count on LRC Coil for quality heat transfer products.

**Visit [www.LRCCoil.com](http://www.LRCCoil.com) for installation and maintenance data, and wiring diagrams.**

At LRC, we are continuously working to improve our products, therefore, we reserve the right to make changes without notice.

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\* = Assumes areas surrounding the humidity controlled room are maintained to ASHRAE conditions of 80°/67°. For humidity controlled rooms with different surrounding conditions, please contact LRC.

# LRC Cabinet Top Internal Horiz. Evap. (CTIH)

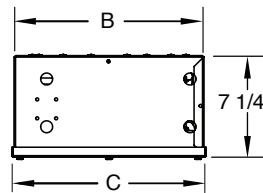
COIL COMPANY

TECHNICAL BULLETIN: CTIH 032018 REV: B

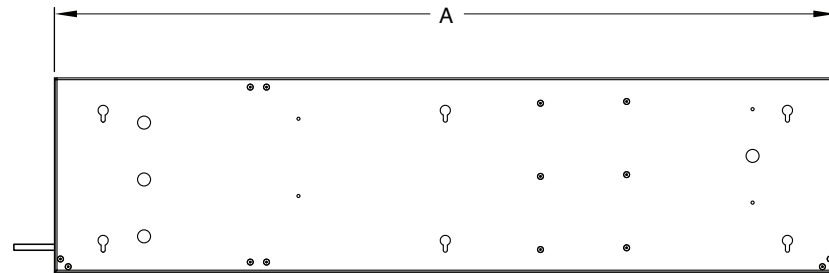
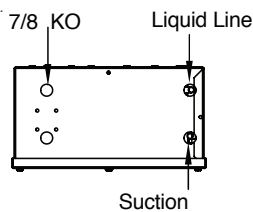
PAGE 2

All measurements are in inches.

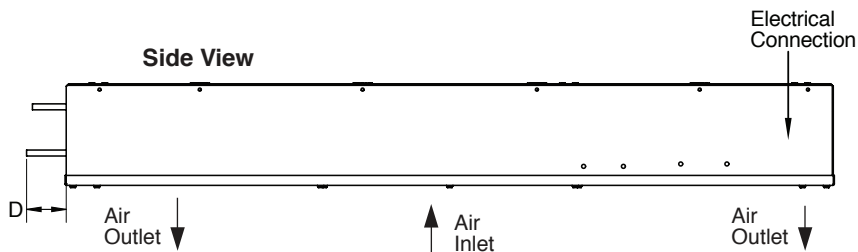
**Note: See unit interface control drawing for mounting dimensions.**



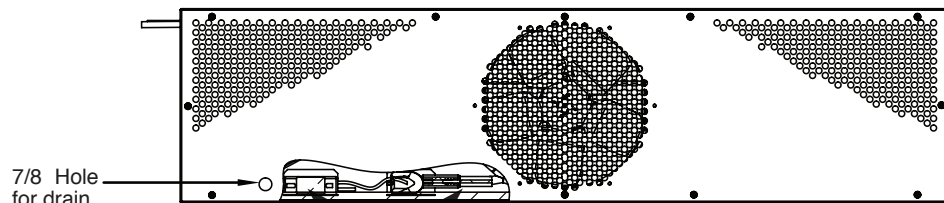
End Views



Top View



Side View



Bottom View

Our website has a Wine Room Capacity Calculator that instantly determines room loads and capacities, enabling you to know cooling equipment requirements based on your exact specifications. Visit [LRCCoil.com](http://LRCCoil.com) for details.

Our Application Engineers can help you design the system you need. Call us today, 562-944-1969, and we'll help you get the right LRC product for your project.

## CTIH (Cabinet Top Internal Horizontal Unit) Specifications

Model No.	Max CFM	Amps	Motor	Dimensions							BTUH Cap. @ 17°F TD			Unit Wt.
				A	B	C	D	Drain MPT	Liq. O.D.	Suct. O.D.	38" SST, 55" Room	R-513A	R134a	
CTIH-15	200			48 <sup>3/16</sup>	11 <sup>15/16</sup>	12 <sup>3/16</sup>	2 1/2	1/2	3/8	3/8	1,579	1,537	1,543	27
CTIH-25	220	0.3	35W	48 <sup>3/16</sup>	11 <sup>15/16</sup>	12 <sup>3/16</sup>	2 1/2	1/2	3/8	3/8	2,575	2,507	2,517	28
CTIH-35	260			48 <sup>3/16</sup>	11 <sup>15/16</sup>	12 <sup>3/16</sup>	2 1/2	1/2	3/8	3/8	3,635	3,538	3,546	30
CTIH-50	335			60 <sup>3/16</sup>	16 <sup>1/16</sup>	16 <sup>3/16</sup>	3	1/2	3/8	5/8	5,177	5,039	5,074	60

Constant pressure expansion valve, LLSV, and condensate pump standard.

Please note:

LRC cooling units are designed to minimize noise and vibration. To reduce/eliminate amplification of existing noise or vibration, extreme care must be taken during installation. Please refer to supplied installation instructions and use proper installation materials to minimize acoustic impact.

The use of oversized condensing units can lead to poor evaporator performance and possible system failure. When installing a LRC wine room evaporator, it is recommended that condensing units be sized LESS than or equal to the evaporator capacity. Contact LRC Coil's Application Engineers at 562-944-1969 for questions or assistance.

**Visit [www.LRCCoil.com](http://www.LRCCoil.com) for Installation and Maintenance Data and Wiring Diagrams.**



WARNING: The only harmful routes of exposure for this product is through inhalation and ingestion of this product. THIS PRODUCT IS NOT DESIGNED OR MEANT TO BE INHALED OR INGESTED. The only route of exposure that this product is meant for is dermal exposure (skin contact). Consumers face no significant risk to chemicals that are known to the State of California to cause cancer and/or reproductive harm from dermal exposure to this product. For more information, go to [www.Prop65Warning.ca.gov](http://www.Prop65Warning.ca.gov).