



BTL TWO-WAY LOW PROFILE EVAPORATORS: GENERAL SPECIFICATIONS

Reach-in and walk-in cooler flexibility is provided with this flush ceiling mounted unit cooler. Designed with dual refrigeration coils and two-way air distribution, effectively reducing air velocities and minimizing product dehydration.



1. General:

The unit cooler is to be cULus Approved or UL Registered varying with model and is to be located inside of a reach-in or walk-in refrigerated cooler or freezer. This unit consists of the casing, evaporator coil, fans and defrost (air and electric) system as determined by the model. The evaporator systems and electrical control panels are to be housed within a single assembly with fan airflow pattern of blow through design drawing air up into the unit cooler and directing it outwards in two opposite directions. All of the component parts, options and accessories will be provided, mounted, piped and wired, as required by the manufacturer.

2. Casing:

Unit cooler casing consists of a side panel and a top and bottom panel and shall be a minimum of 18 gauge aluminum with a textured finish. White polycarbonate fan guards shall be affixed to the bottom panel by means of rubber wellnuts. All components of the casing shall be assembled and cleaned.

3. Coil:

Evaporator coils are constructed using internally enhanced 0.375" OD seamless copper tubes in a staggered pattern mechanically expanded into die-formed fully collared high-efficiency double sine wave aluminum fin of 0.0075" thickness. Coils are available in 8 FPI fin spacing and are supplied with a Schrader valve and 0.25" OD equalizer line brazed on the suction header. The evaporator coil shall be tested for leaks at a minimum pressure of 300 pounds per square inch/gauge (psig) dehydrated and sealed.

4. Fans and Motors:

All motors are permanently lubricated direct drive 1550 RPM or electronically commutated (EC) variants. Fan blades are single piece punched from 3003-H14 aluminum.

5. Electric Defrost:

Two stainless steel defrost heaters of 0.25" diameter are mounted to the bottom of each coil. A fixed 3-wire fan delay and defrost termination control is mounted to the endplate and factory wired to the terminal board.

BTL TWO-WAY LOW PROFILE EVAPORATORS: GENERAL SPECIFICATIONS (cont'd)

Additional Resources:

Products Affected:

BTL Two-Way Low Profile Evaporators: <https://b-rp.ca/btl>

Affected Products Documentation:

BTL Product Data and Specifications: <https://docs.b-rp.ca/1087832.pdf>

Related Product Specialist Group:

Evaporators: evaps@b-rp.ca 1-844-893-3222 ext. 520

Additional Resources:

Bally Refrigeration website: <https://b-rp.ca>

Bally Refrigeration Evaporators page: <https://b-rp.ca/product-category/evaporators>

Author:

Norman Haimes – Senior Application and Systems Specialist