



# Industrial Unit Coolers

Sales Brochure



**BOHN**

# We Know Cold Storage

Heatcraft Worldwide Refrigeration announces its latest addition of large capacity unit coolers for the Cold Storage and Industrial Refrigeration industries. Designed with energy efficiency, food safety and reliability in mind, Heatcraft Industrial unit coolers are engineered for the most extreme applications, such as blast freezers and coolers and processing facilities.

And what about durability? Each unit is constructed with a mill finished G90 galvanized steel cabinet, 5/8" diameter aluminum finned/copper tube evaporator coils, premium efficient totally enclosed fan motors and a **double wall insulated drain pan**. We know Cold Storage!



## Nomenclature

HL	3	000	16	144	6	4	0100	F	A
Model Series	#of Fans	Coil Materials	Tubes High	Finned Length	Rows Deep	Fin Spacing	Motor HP	Fluid	Defrost
HL=Warehouse		C = CU/AL					0075=.75	F=R40A, R407A, 407C, 407F	A=Air
HR = Between the Rails		D = CU/CU					0100=1	C=C02	E=Electric
HD= Dual Flow		3 = STL/AL					0150=1.5	B=Brine	G=Hot Gas Coil w/E Pan
							0200=2		H=Hot Gas Coil w/HG Pan
							0300=3		
							0500=5		
							0750=7.5		

# Warehouse Unit Coolers, HL Models

The Heatcraft Bohn HL warehouse unit coolers provide extended capacity ranges and air throw capability required by large cold storage and food processing facilities. Built on a rugged and durable chassis, HL models are uniquely suited for extreme applications, such as blast freezers and coolers. HL warehouse unit coolers include service friendly features, including hinged fan and access panels.



## Standard Features

- Mill finished G90 galvanized steel cabinet provides a heavy duty, durable structure
- High capacity 5/8" diameter aluminum finned/copper tube evaporator coils
- High temperature applications feature 6 FPI coils for increased heat transfer. Medium and low temperature applications feature 4 FPI evaporator coils increasing protection against air restriction due to ice formation
- Premium efficient totally enclosed fan motors for long reliable unit operation
- **Composite polymer non-overloading airfoil fan blades** provide highly efficient air circulation
- Double wall insulated drain pan to help prevent exterior condensation. Drain pan is **triple pitched** for superior condensate removal.
- Hinged fan panels allow for quick access to coil surface and fan motors for easier cleaning and maintenance
- Hinged end covers allow for faster installation and easier maintenance
- Available in air, electric and hot gas defrost configurations
- Electric defrost heaters are inserted into coil slab to provide efficient electric defrost. Heater elements are stainless steel sheathed and are **self-centering**

## Options

- Units available with copper finned/copper tube and aluminum finned/stainless steel tube coils for increased corrosion protection
- 304 Stainless steel casing and drain pan construction available for improved corrosion protection
- Full coverage drain pan to provide additional condensation protection from casing and fans
- Wash down motors available for sanitary applications (230/3/60, 460/3/60 and 575/3/6)
- Hinged drain pan to allow for maintenance and cleaning
- Aluminum blade
- Long air throw collars for large warehouse and industrial applications
- Factory mounted 45° and 90° air outlet configurations for flexibility in unit application
- Mounted and wired disconnect switches provide simplified installation. Unit available with individual motor disconnects or a common motor disconnect. Disconnects available as either fused or non-fused
- Mounted expansion valves (thermal and electronic) for faster installation
- Floor Mounting Legs

# Dual Flow Unit Coolers, HD Models

The Heatcraft Bohn large HD center mount unit coolers excel in storage and processing environments requiring low velocity air movement and/or high humidity levels. HD dual flow unit coolers feature a dual flow blow through design allowing for gentle air movement across operating personnel in preparation rooms and fragile products like flowers. Industrial design elements provide a long lasting durable product for years of worry free operation.



## Standard Features

- Mill finished G90 galvanized steel cabinet provides a heavy duty durable structure
- Two high capacity 5/8" diameter aluminum finned/copper tube evaporator coils with individual refrigerant connections
- High temperature applications feature 6 FPI coils for increased heat transfer. Medium and low temperature applications feature 4 FPI evaporator coils increasing protection against air restriction due to ice formation
- Premium efficient totally enclosed fan motors for long reliable unit operation
- Composite polymer non-overloading airfoil fan blades provide highly efficient air circulation
- Double wall insulated drain pan to help prevent exterior condensation. Drain pan is triple pitched for superior condensate removal
- Hinged end covers for additional end protection while providing ease of servicing
- Available in air, electric and hot gas defrost configurations
- Electric defrost heaters are inserted into coil slab to provide efficient electric defrost. Heater elements are stainless steel sheathed and are self-centering

## Options

- Units available with copper finned/copper tube and aluminum finned/stainless steel tube coils for increased corrosion protection
- 304 Stainless steel casing and drain pan construction available for improved corrosion protection.
- Aluminum blade
- Mounted and wired disconnect switches provide simplified installation. Unit available with individual motor disconnects or a common motor disconnect. Disconnects available as either fused or non-fused
- Mounted expansion valves (thermal and electronic) for faster installation
- Hinged fan guard panel allows for quick access for easier cleaning and servicing
- Single refrigerant connection manifolds

# Between-the-Rail Unit Coolers, HR Models

Processing rooms have unique requirements for air movement and sanitation not found in standard storage applications. The new Heatcraft Bohn line of between-the-rail unit coolers delivers large capacities with gentle dual air discharge making them ideally suited for large processing rooms. With full coverage drain pans, side access panels and an optional clean-in-place coil system, they provide the highest level of sanitation while allowing simple maintenance and servicing.



## Standard Features

- Mill finished G90 galvanized steel cabinet provides a heavy duty durable structure
- High capacity 5/8" diameter aluminum finned/copper tube evaporator coils
- High temperature applications feature 6 FPI coils for increased heat transfer. Medium and low temperature applications feature 4 FPI evaporator coils increasing protection against air restriction due to ice formation
- Premium efficient totally enclosed fan motors for long reliable unit operation
- Composite polymer non-overloading airfoil fan blades provide highly efficient air circulation
- Double wall insulated drain pan to help prevent exterior condensation. Drain pan is triple pitched for superior condensate removal
- Hinged fan panels allow for quick access to coil surface and fan motors for easier cleaning and servicing
- Hinged end covers for additional end protection while providing ease of service
- Available in air, electric and hot gas defrost configurations
- Electric defrost heaters are inserted into coil slab to provide efficient electric defrost. Heater elements are stainless steel sheathed and are self-centering

## Options

- Units available with copper finned/copper tube and aluminum finned/stainless steel tube coils for increased corrosion protection
- 304 Stainless steel casing and drain pan construction available for improved corrosion protection
- Wash down motors available for sanitary applications (230/3/60, 460/3/60 and 575/3/6)
- Aluminum blade
- Hinged drain pan to allow for maintenance and cleaning
- Mounted and wired disconnect switches provide simplified installation. Unit available with individual motor disconnects or a common motor disconnect. Disconnects available as either fused or non-fused
- Mounted expansion valves (thermal and electronic) for faster installation
- **Clean-in-place** system allows for easy coil cleaning in applications requiring high sanitation levels
- Air deflector for increased air dispersion and more uniform air flow



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