

## HVAC/R applications

What is HVAC/R?  
Heating, Ventilation,  
Air Conditioning &  
Refrigeration

## Disconnect Switches

The HVAC/R equipment manufacturer market includes companies engaged primarily in manufacturing commercial and industrial grade air conditioning, heating, warm air furnace, refrigeration and freezer equipment. Because most HVAC/R equipment utilize motors and/or pumping systems, these applications require disconnect switches for motor isolation. Open style and enclosed UL508 disconnect solutions are often applied in some of the most common HVAC/R applications.

### Applications

- Heat Pump Systems
- Chillers
- Air Handling Units
- Rooftop Units/Systems
- Duct Heaters
- Warm Air Furnaces

### Common trends and challenges facing manufactures of HVAC/R Equipment:

- Finding components small enough to meet the ever increasing need to reduce the size of heating and cooling units
- Decreasing human error during the installation and replacement process
- Improved efficiency in manufacturing and distribution processes



**Fast  
Facts**

**Disconnect Switches**

### Global Support for international OEMs

All ABB disconnect switch products are approved for a variety of international standards (cUL, CCC, IEC). This allows for ease of exporting product and equipment to other markets. Regardless of the end location of the equipment, the switches are approved for local certifications. In addition, common part numbers across the globe allow for simple field replacements of HVAC equipment components.

### Bulk Packs

Bulk packaged products are environmentally friendly and help to improve efficiency and lean processes by eliminating waste disposal and time for unpackaging when building HVAC equipment. Bulk packs are available for open style non-fusible switches from 16A to 125A.

### Compact Size

The innovative design and size of ABB disconnect switches helps reduce panel size and thus, helps reduce overall cost associated with HVAC equipment. ABB offers the most space saving disconnect line on the market.



ABB offers a full line of open-style and enclosed disconnect switches to meet the needs of HVAC/R OEMs.



### Product Breadth

ABB's line of disconnect switches is the most complete OEM focused UL offering on the market, providing a "one stop shop" for UL508 and UL98 disconnecting solutions.

This eliminates the need for panel builders and equipment manufacturers to source disconnects from multiple vendors which can save time and provide consistency in designs.



### Enclosed Solutions

Perfect for roof top units and other motor applications, ABB offers a full range of enclosed switches up to 3150A non-fusible and 800A fusible. Enclosed switches are available in both metallic and plastic enclosures in a variety of NEMA environmental ratings.



NOTE: For more product specific information, consult the LV023 Product Selector, Section 18.

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