

# Iceqube

Cooling Solutions

## IceQube offers a full line of cooling solutions suited to your industrial cooling needs.

Call to speak with one of our engineers to find the best solution for your project.



### Air Conditioners

1,000 to 27,000 BTUH side mount models.  
2,000 to 8,000 BTUH top mount models. 48 VDC and 120, 230, and 480 VAC.



### Evolution Series Air Conditioners

1,000 to 24,000 BTUH. Certified for general purposes; hazardous locations Class I Division 2 Groups A, B, C, & D; and Zone 2 IIC ATEX/IECEX.



### Filtered Fans

100 to 800 CFM. Plastic or metal housing. Exclusive wash down package available in 150 or 300 CFM and 250 or 500 CFM.



### Blade Series Air Conditioners

The world's slimmest air conditioners, ideal for door mount on electrical enclosure cabinets. Available in 1,000 to 5,000 BTUH.



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## Server Rack Cooler

### Mini Split Air Conditioners



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# Server Rack Cooler

## Mini Split Air Conditioners

**IQ Server Rack Cooler is a mini split cooling system designed to keep server racks cool and discharge unwanted heat from servers to the outdoors and to alternate locations.**

**Available in 3KW (10230BTUH), 6KW (20470BTUH), 8KW (27290BTUH), and 10KW (34100BTUH) Cooling Capacities.**

### Standard Features

- Digital controller that can be located on the side or rear of the evaporator section.
- Active condensation pump that removes unwanted water away from electronics.
- Designed to fit between 19" rack rails.
- Designed to provide cold aisle and hot aisle air circulation.
- Powder coated black evaporator section to blend in with most server racks.
- Powder coated white condenser section to blend in with most exterior installations.
- Low profile condensing unit designed to take minimum ground space or to be mounted on the side of a building.
- Cold air discharge and hot air return grills are designed to be interchangeable with bottom plates to direct air flows up or down.
- Closed loop cooling designed to keep air cleaner and separated from air outside the enclosure.

### Options & Accessories

- Cold air discharge and hot air return grills to replace blank plates on bottom for mid mount applications.
- Condensation overflow alarm output.



*\*All Server Rack Coolers require field installation by a certified refrigeration technician*

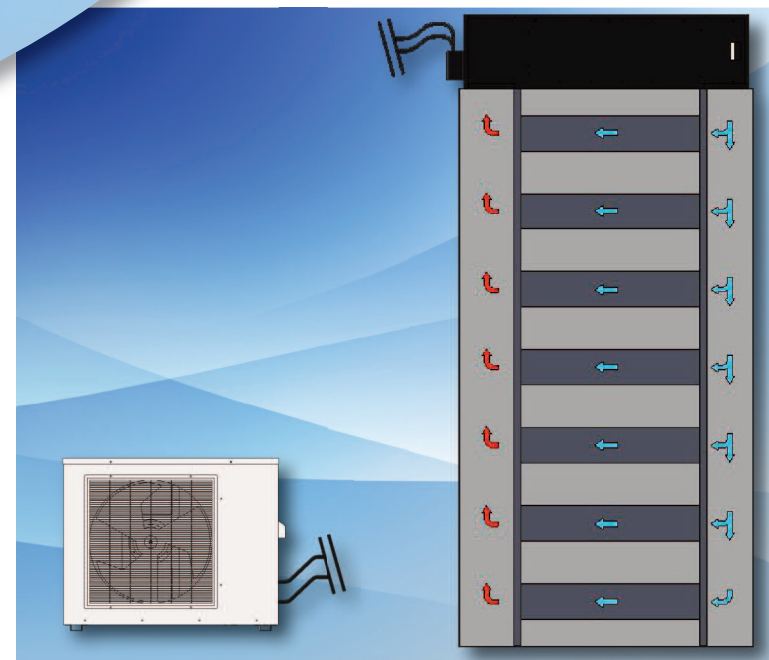
### Bottom Mount Application

In this application the evaporator section is mounted in the bottom of the server rack. Cold air is discharged up the cold aisle in the front of the rack rails. The servers pull the cold air in the front and discharge the hot air out the rear of the server into the rear of the rack enclosure where it gets pulled into the return air grill. The air gets re-cooled and sent back up the cold aisle.



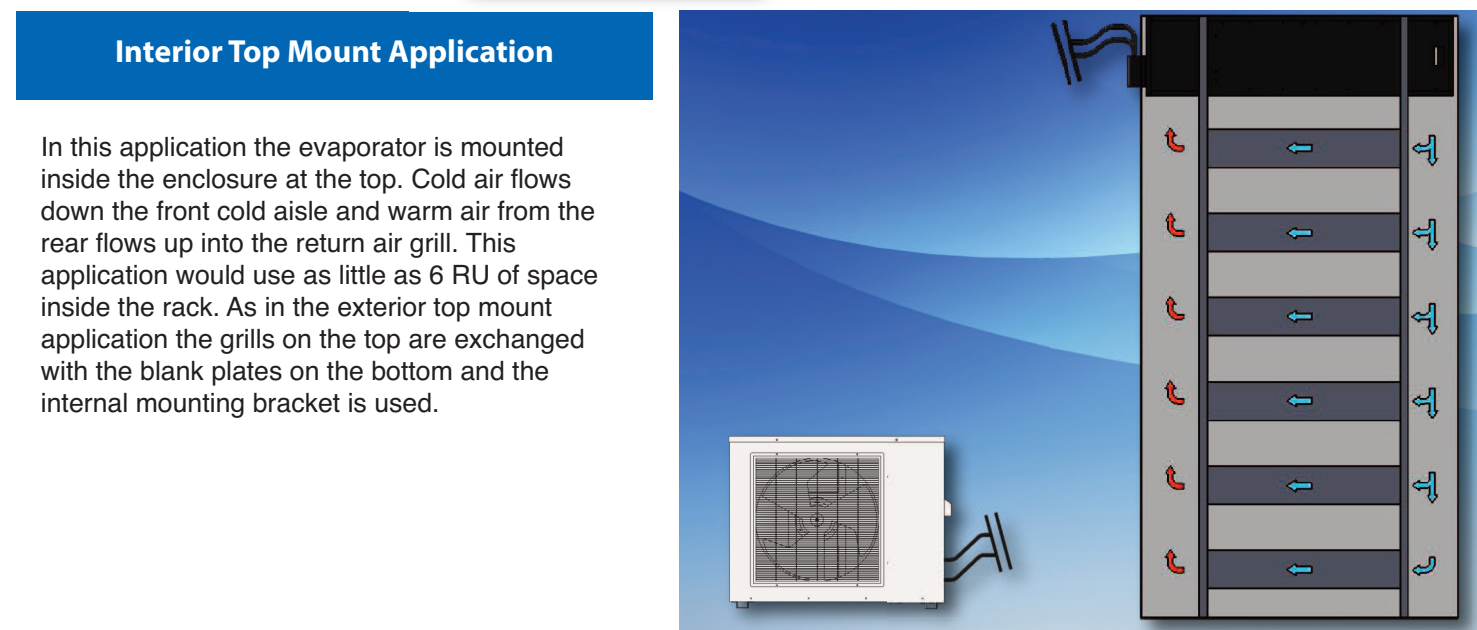
### Interior Top Mount Application

In this application the evaporator is mounted inside the enclosure at the top. Cold air flows down the front cold aisle and warm air from the rear flows up into the return air grill. This application would use as little as 6 RU of space inside the rack. As in the exterior top mount application the grills on the top are exchanged with the blank plates on the bottom and the internal mounting bracket is used.



### Exterior Top Mount Application

In this application the evaporator section is mounted on the exterior top of the rack enclosure. By moving the grills on the top of the supply and return to the bottom and moving the blank plates on the bottom to the top, cold air now flows down the cold aisle and warm air from the rear flows up into the return air where it is re-cooled and sent back to the cold aisle. **Top exterior mounting brackets are optional** and cut outs will be required in the top side of the enclosure. A gasket kit and mounting hardware is included for this type of mounting. This application does not use any rack space.



### Mid Mount Application

In this application the evaporator cooling unit is mounted in the mid-section of the rack. This will require installing the **optional internal mounting bracket** at the height desired and installing the **optional intake and exhaust grills** in place of the blank out plates. The unit will then supply cool air to the cold aisle above and below. The heated air being discharged by the servers will return from the rear of the cooling unit from above and below. Heated air will be re-cooled and sent back to the cold aisle. This application keeps cold air closer to all servers.

