
V-Cube™

Vertical Self-contained Systems (9 to 150 tons)



Custom Packaged HVAC Systems



Famous for its quiet operation and compact footprint, the V-Cube™ self-contained system offers a solution for buildings of every type and size. Offering tremendous flexibility, including capacities and airflow, each V-Cube unit is customized to meet exact customer requests and project requirements. The latest iteration of the V-Cube product line is no exception; building on an already formidable foundation, the latest features and options raise the bar once again.

The New V-Cube

The new V-Cube uses an Integrated Thermal Break Framing (ITF)™ system, which features 3" R12.9 insulation in the walls, roof and doors, welded base frame (6" structural tubing perimeter), Impermium™ floor membrane providing industrial grade flexible and tough air and water seal, and double seal, thermal break doors. The high sealing integrity of the cabinet not only enhances leakage performance, but also eliminates paths for sound transmission.



Compact Design

The compact footprint of the V-Cube reduces the interior space required and knock-down capability allows the unit to fit through a standard 3 foot doorway and in service elevators without breaking refrigerant lines.

In addition to all of the traditional sizes, six new designs featuring FANWALL TECHNOLOGY® offer many possibilities for flexible configurations with options for side or top discharge and down-blast configurations for underfloor applications.



Extremely efficient shell and tube heat exchangers

Incredibly Quiet

The selection of plug fans or FANWALL TECHNOLOGY provide exceptionally quiet operation, allowing units to be placed adjacent to occupied spaces while reducing attenuation costs and eliminating belt, sheave and bearing maintenance. FANWALL TECHNOLOGY also provides added redundancy for reliable operation. Extended "hinged" coplanar silencers are available for enhanced acoustic performance.



Extended coplanar silencers for enhanced acoustic performance

Flexibility and Energy Saving Design

The flexibility of the V-Cube is second to none, with capacities ranging from 9 to 150 tons and airflow from 4,000 to 40,000 cfm to match application requirements. Flexible coil selections are also available up to 10 rows, allowing use in a variety of applications, including low air temperature. Additionally, the unit features independent refrigerant circuits, waterside economizer option, an easy maintenance design and the EPiC™ System, which offers open protocol versatility (BACnet®, Modbus®, Johnson N2®, LonTalk®).



EPiC System Controls



Flexible coil selections for a variety of applications



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Venmar CES Inc. has a policy of continuous product improvement and reserves the right to change design and specifications without notice.



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