

V-Cube™ Vertical Self-Contained System

9 to 150 tons

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 V-Cube system uses an Integrated Thermal Break Framing (ITF)[™] system, which features three-inch R12.9 insulation in the walls, roof and doors, welded base frame (six-inch structural tubing perimeter), a 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.



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.



Testing of the sound performance of the V-Cube system in the Nortek Air Solutions Acoustic Laboratory helps assure its quiet operation on the job.



V-Cube Vertical Self-Contained HVAC Systems

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 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

Flexibility and Energy Saving Design

The flexibility of the V-Cube is outstanding, 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™ unit controller system, which offers DDC and open protocol versatility (BACnet®, Modbus®, Johnson N2®, LonTalk®).



Flexible coil selections for a variety of applications

For more information on the V-Cube Vertical Self-Contained System, contact your Mammoth representative. To find a representative, visit www.nortekair.com.

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www.nortekair.com
NortekAirInfo@nortek.com

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