Siemon’s V800 is a robust, cost-effective cabinet solution that provides valuable Zero-U space on each side of the equipment rails for cable management, PDU mounting or connectivity on both the front and rear of the cabinet.

The V800 cabinet is ideal for high-density data center environments, enabling increased cabling and equipment density while providing excellent accessibility and thermal efficiency. All of these features are integrated into a full-featured modular enclosure that is equally effective as a standalone network and server cabinet or in a multi-unit bayed configuration, offering a simple, scalable expansion path in any data center.

1200 mm (47.2 in.)

The cabinet lid includes four integrated brush guards for cables to enter the cabinet without compromising thermal integrity.

The V82A cabinet is exactly 1200mm (47.2 in.) deep, allowing full access to adjacent tiles immediately in front or in back of placed cabinets and provides full 1.2m (47.2 in.) aisle spacing as specified within ISO/IEC 14763-2 and EN 50600-2-4.
## V800 Cabinet Product Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>42U</th>
<th>45U</th>
<th>48U</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>2013mm (79.25 in.)</td>
<td>2146mm (84.5 in.)</td>
<td>2280mm (89.75 in.)</td>
</tr>
<tr>
<td>Width</td>
<td>800mm (31.5 in.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth - External (Door-to-Door)</td>
<td>1000mm (39.37 in.)</td>
<td>1200mm (47.24 in.)</td>
<td></td>
</tr>
<tr>
<td>Depth - Usable (Rail to Rail Max.)</td>
<td>960mm (37.8 in.)</td>
<td>1060mm (41.7 in.)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>111kg (245 lbs.)</td>
<td>116kg (256 lbs.)</td>
<td>121kg (266 lbs.)</td>
</tr>
<tr>
<td>Weight</td>
<td>126kg (278 lbs.)</td>
<td>131kg (288 lbs.)</td>
<td>136kg (299 lbs.)</td>
</tr>
<tr>
<td>Load Rating</td>
<td>Static: 1000kg (2205 lbs.)</td>
<td>Dynamic: 714kg (1575 lbs.)</td>
<td></td>
</tr>
<tr>
<td>Base Type</td>
<td>Open</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Black (RAL 9011)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Door Perforation</td>
<td>71%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U Space Identification</td>
<td>Yes (bottom-to-top)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lid Cable Access Openings</td>
<td>V81A: 3 large; (4) 63 x 406mm (2.5 in. x 16 in.) integrated brush guards</td>
<td>V82A: 4 large; (4) 63 x 406mm (2.5 in. x 16 in.) integrated brush guards</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>CRS of varying thickness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finish</td>
<td>Textured Powder Coat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standards Compliance</td>
<td>EIA/ECA-310-E, IP20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Nominal height with stabilizing brackets
** Does not include packaging

### Ordering Information:

V8(X)A-(X)(X)(X)(X)(X)(XX)....V800 Cabinet, Black

- **Cabinet Depth**
  - 1 = 1000mm (39.4 in.)
  - 2 = 1200mm (47.24 in.)
- **Side Panels**
  - 0 = No Side Panels
  - 1 = 1 Side Panel
  - 2 = 2 Side Panels
- **Front Door**
  - A = Full Vented
  - B = Split Vented
  - C = Split Solid
- **Caster Option**
  - 1 = No Casters
  - 2 = Casters
- **Lock Type**
  - 1 = Key Lock
  - 2 = Tumbler Lock
- **Rear Door**
  - A = Full Vented
  - B = Split Vented
  - C = Split Solid

**Includes:** 4 leveling feet, 50 M6 cage nuts and 2 stabilizing brackets
**V800™ Cabinet Zero-U Vertical Cable Management**

Available with 4 in. or 6 in. fingers and covers, or with D-Ring managers, half-height Zero-U vertical cable managers are placed in any of the 4 quadrants of the V800 Zero-U space for routing and managing cables. The adjustable depth cable trough can be mounted between vertical cable managers for routing cables from the front to the back within the Zero-U space.

**V800 Cable Management Capacity Chart**

<table>
<thead>
<tr>
<th>Product</th>
<th>Cable Capacity based on Cable Diameter in. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.13 (3.30)</td>
</tr>
<tr>
<td>V8A-VPC4-1-(XX)</td>
<td>427</td>
</tr>
<tr>
<td>V8A-VPC6-1-(XX)</td>
<td>628</td>
</tr>
<tr>
<td>V8A-VPC14S-1-(XX)</td>
<td>255</td>
</tr>
</tbody>
</table>

*Note: Manager cable capacities reflect a calculated fill rate of 40% which is intended to reflect 100% fill during actual use due to side cable entry.*
V800 Zero-U Patching and Power

Half-height Zero-U vertical patch panels are for mounting up to 2U of standard 19-inch patch panels in vertical orientation in the Zero-U space, while the full-height PDU panel allows for mounting a vertical PDU in the Zero-U space.

V8A-VPP2U-1-(XX).......................... Half-height Zero-U vertical patch panel, 2U
Includes (8) M6 cage nuts

V8A-PDU-F1-1-(XX)........................ Full-height Zero-U vertical PDU bracket
Full length brackets support tool-less mounting of one (1) vertical rack mount PDU with a maximum width of 86.4mm (3.4 in.) and 1.24m (4.1 ft.), 1.56m (5.1 ft.) or 1.65m (5.4 ft.) O.C. mounting buttons

V800 Zero-U Blanking Panels

When Zero-U space is not in use, vertical blanking panels and brush guards prevent re-circulation of air. Vertical brush guard panels allow for cable pass through.

V8A-BLNK-1-(XX)............................ Half-height Zero-U Vertical Blanking Panel

V8A-BRSH-1-(XX).......................... Half-height Zero-U Vertical Brush Guard Panel
**V800™ Internal Cabinet Accessories**

Equipment mounting rails are available to support equipment of varying depths, while vertical PDU/cable management trays can be installed in the V800 cabinet for cable management and/or PDU mounting. A variety of equipment shelves is also available for mounting within the V800.

- **V8A-R-1-(XX)**, V800 equipment mounting rail, black, set of 2
- **V-TRAY-100-1-(XX)**, 100mm (3.9 in.) V800 Vertical PDU / Cable Management Bracket, (Set of 2)
  - Supports toolless mounting of 1 vertical rack mount PDU
- **V-TRAY-150-1-(XX)**, 150mm (5.9 in.) V800 Vertical PDU / Cable Management Bracket, (Set of 2)
  - Supports toolless mounting of 2 vertical rack mount PDUs
- **V-TRAY-300-1-(XX)**, 300mm (11.8 in.) V800 Vertical Cable Management Bracket, (Set of 2)

*Use (X) to specify cabinet height: 42 = 42U, 45 = 45U, 48 = 48U*

**V800 External Accessories Cabinet**

The V800 is available with full vented and split vented or solid doors, as well as split side panels. The V800 Lid Divider Panel is ideal for creating cable pathways across the top of bayed V800 cabinets.

- **V8A-DRA-1-(XX)**, V800 full vented door, black
- **V8A-DRB-1-(XX)**, V800 split vented doors, black, set of 2
- **V8A-DRC-1-(XX)**, V800 split solid doors, black, set of 2
- **V1A-S-1(XX)**, V800 1000mm (39.4 in.) split side panels, black, set of 2
- **V2A-S-1(XX)**, V800 1200mm (47.2 in.) split side panels, black, set of 2

**V8A-LD-1**, V800 Lid Divider Panel, set of 2 107mm (4.2 in.) High

**V-W**, V800 Casters (set of four)

**CN-M6-50**, M6 Cage Nuts, Bag of 50

**VP-GRD**, Grounding Kit
  - Includes ground bar, ground wire, mounting hardware and accessories (capacity to support all required grounding connections for a single cabinet)
**Thermal Management Accessories**

Snapfit Thermal Blanking Panels can be mounted in unused rack spaced to help prevent the mixing of hot and cold air, while top mount cooling fans and exhaust ducts can further increase power capacity by effectively removing heat from the cabinet. Siemon also offers a full line of hot and cold aisle containment solutions for use with the V800 cabinet.

* Vertical exhaust ducts are compatible with 1200mm (47.2 in.) deep cabinets only. Solid doors should be specified for cabinets using exhaust ducts.

**VP-DUCT1**
Adjustable Height Vertical Exhaust Duct, 516-923mm (20-36 in.)

**VP-DUCT2**
Adjustable Height Vertical Exhaust Duct, 913-1320mm (36-52 in.)

**VP-FAN**
Top-Mount Cooling Fan Panel
3 Fans x 110CFM, 120VAC w/NEMA 5-15P plug, UL Listed

**VP-FAN-220**
Top-Mount Cooling Fan Panel
3 Fans x 110CFM, 220VAC w/C13 plug, UL Listed

**VP-T3**
Brush Guard, Large
For large center top panel cable openings

**Hot and Cold Aisle Containment Solutions**

Siemon’s aisle containment solution includes standing top and end panels for creating a hot aisle containment system and horizontal roof panels for creating a cold aisle containment system. The solution also includes door kits, end panels, filler panels, and wall mount and riser brackets. All the components easily attach to Siemon V800 cabinets in a pod configuration to improve efficiency and expand the capacity of a data center by preventing the mixing of hot and cold air.

**V-Built™ Preconfigured V800 Cabinets**

Siemon’s V800 cabinet is also available as a V-Built Preconfigured Cabinet preloaded with Siemon components, including copper and fiber connectivity, cable assemblies, PDUs, cable management and accessories. Identified by one customer-specific part number and price, these preloaded cabinets are assembled and packaged at regional Siemon manufacturing facilities and delivered on-site ready to receive active equipment, saving time and labor while supporting green initiatives with less packaging waste and transportation costs.
Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.