VRK Series
enclosure

- Fully welded construction provides the following weight capacities:
  UL Listed load capacity: 2,500 lbs.
  Seismic certified load capacity: 680 lbs.
- Features horizontal lacing bars made from 1/2” thick tubing on 7” centers, which facilitate quick tie-and-slide lacing
- 2 pairs of 10-32 threaded rackrail with numbered rackspace increments
- Optional solid, fully vented, plexi & vented plexi front doors available
- Open top with configurable top panel options
- Seismic Certified (when used with VRK-Z4 option) with an Ip value of 1.5
- Durable black textured powder coat finish
- UL Listed in the US and Canada

EIA compliant 19” gangable equipment rack shall be Middle Atlantic Products model # VRK-44-___(31,36)H. Suffix of LRD shall indicate a model without the standard vented latching rear door. Overall dimensions of rack shall be 83-1/8"H x 22"W x __ (31,4, 36, 42)”D. Useable height shall be 44 rackspaces, usable depth shall be __(29,33.6)”. Fully welded construction provides a UL Listed 2,500 lb. weight capacity. Rack shall be constructed of steel, all structural elements shall be finished in a durable black powder coat. Rack shall include a locking, latching rear door. Rack shall come equipped with two pairs of rackrail with tapped 10-32 mounting holes in universal EIA spacing. Rackrail shall be finished in black e-coat with numbered rackspaces. Top and bottom of rack shall feature vertical slotted vent pattern. Sides of rack shall feature 16 pre-installed horizontal lacing bars. Grounding and bonding stud shall be 1/4-20 threaded, installed in base of enclosure. VRK Series enclosures shall satisfy the 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity, Seismic Use Group III, Zone 4 or Seismic Design Category (SDC) “D” with lateral force requirements for protecting 680 lbs. of essential equipment in locations with the highest level of seismicity and top floor or rooftop installations with an Importance factor (Ip) of 1.5 when used with VRK-Z4 seismic floor anchor bracket. Rack shall be UL Listed in the US and Canada. VRK series enclosure shall be GREENGUARD Gold Certified. VRK shall be manufactured by an ISO 9001 and ISO 14001 registered company. Rack shall be warranted to be free from defects in material or workmanship under normal use and conditions for the lifetime of the rack.

Specifications:
- Front doors shall be reinforced steel, model # FD-44 (solid), VFD-44 (vented, 22% open area), LVFD-44 (vented, 64% open area), PFV-44 (plexi), PVFD-44 (vented plexi)
- Vented steel rear doors shall be model # MW-VRD-44 (vented top and bottom), MW-LVRD-x (vented, 64% open area, excludes 24 and 37 space rack) (x = # of rackspaces), MW-CLVRD-44 (split rear door, vented, 76% open area)
- Removable keylocked side panels shall be model # SPN-44-312/SPN-44-36
- Top panels, steel, multiple styles available including model # MW-ST (solid top), MW-10FT (accepts 10" fans), MW-4FT (accepts four 4 1/2" fans), MW-6FT (accepts three 6" fans), MW-VT (vented top), MW-LA (accepts 6" & 12" wide cable ladders), MW-PVT (31/36) vented pagoda adds 1.41” to top of rack
- Keyless Latch, replaces keylock & fits front & rear doors, model # LATCH
- Lacer strip, heavily perforated, 77” long, 11-gauge steel, model # LACE
- Additional rail kit, 11-gauge, 10-32 threaded, sold in pairs, hardware included, model # MV-RR44
- Seismic compliancy floor anchor brackets shall be model # VRK-Z4

Options:
- Customizable specification clips available at middleatlantic.com
VRK Series

basic dimensions

all dimensions in inches unless otherwise noted (all dimensions in brackets are in millimeters)

rear view  side view  front view  top side sectional view

10-32 threaded rackrail

7.13 [185]

22.00 [559]

22.00 [558]

22.00 [558]

horizontal lacing bars

usuable depth

one gang electrical box knockout

front rail set back 1.50 [38]

top view  bottom view

2x 1/4"-20 x 5/8" bonding and grounding stud on 1" centers

20.38 [518]

19.50 [495]

1.56 [40]

4x Ø .437 [11]

22.88 [581]

19.50 [495]

A

B

C

A

B

C

Part #  Overall Depth  A Mounting Location  B Bottom Opening  C Usable Depth


VRK-44-36H*  36.0 [914]  34.42 [874]  31.86 [809]  33.6 [850]

VRK-44-42H*  42.00 [1067]  40.42 [1027]  37.86 [962]  39.6 [1006]

*available without rear door, suffix #LRD

top options

(repeatable plate opening accommodates 2 space panel)

MW-10FT accepts 10" fan
MW-10FT-SSDCFM includes 10" fan
MW-10FT-FC includes 10" fan and fan controller

MW-6FT accepts 6" fans
MW-6FT-6BCFM includes 6" fans

MW-4FT accepts 4-1/2" fans
MW-4FT-3BCFM includes 4-1/2" fans
MW-4FT-FC includes 4-1/2" quiet fans and fan controller

MW-LA accepts 6", 9" and 12" width cable ladder

MW-ST solid

MW-VT slot vent

MW-LVT 64% open area