Middle Atlantic Products
EXCEPTIONAL SUPPORT & PROTECTION™

WMRK Series Enclosure

GREENGUARD® Indoor Air Quality Certified · Children & Schools | RoHS | **SEISMIC CERTIFIED** | **EIA/TIA Compliant** | C(UL)US LISTED

The WMRK Series configured multi-vendor server enclosure is optimized for use with servers from leading manufacturers

Features

- Standard front and rear adjustable cage nut style rail with Z-rail adapters to accommodate most server-slide kits

- Fully welded construction provides the following weight capacities: UL Listed load capacity: 2,500 lbs., Static load capacity: 10,000 lbs., Seismic certified capacity: 1,090 lbs.

- 24" overall width optimized for use on raised floors

- Z-rail adapters accommodate most server-slide kits

- Configured for passive thermal management

- Designed to allow racks to be ganged when fully loaded

- Removable split bottom rear panel allows cable bundles to be easily passed over or under the WMRK's standard key-locking split rear doors

- Rack top includes five integral gland grommeted 4" cable pass-throughs (48" depth includes seven cable pass-throughs)

- Stud in base of rack facilitates the proper grounding and bonding of electronic equipment, as per NEBS and NEC standards

- Available configured, to simplify ordering and assembly, or as a rack frame only

WMRK-4242SVR-AB

Architects' and Engineers' Specifications

EIA compliant 19" gangable multi-vendor server rack shall be Middle Atlantic Products model # WMRK-___(refer to chart). Overall dimensions shall be ___H x ___W x ___D (refer to chart). Useable height shall be ___ rackspaces; useable depth shall be ___ (refer to chart). Fully welded construction shall provide a static capacity of 10,000 lbs. and UL Listed load capacity of 2,500 lbs. Rack shall be constructed of the following materials: top and bottom shall be 14-gauge steel, horizontal braces shall be 16-gauge steel and all structural elements shall be finished in a durable black powder coat. Top shall include ___ 4" cable pass-throughs with gland grommets (7 for 48" deep racks). Rack shall have removable split rear knockout panels with 1/2", 3/4", 1" and 1-1/2" electrical knockouts and top BNC knockouts for UHF/VHF antennae. Grounding and bonding stud shall be 1/4-20 threaded, installed in base of enclosure. WMRK Series enclosures shall satisfy the 1997 UBC and 2001 CBC Seismic Zone 4 and the 2000 IBC, 2003 IBC, 2002 ASCE Standard 7 and 2003 Ed. NFPA 5000 Seismic Use Group III lateral force requirements for protecting 1,090 lbs. of essential equipment in upper floor installations when used in conjunction with the WMRK-Z4 seismic floor anchor brackets with an Ip value of 1.5. Rack shall be UL Listed in the US and Canada. WMRK shall be GREENGUARD Indoor Air Quality Certified for Children and Schools. WMRK series shall be RoHS EU Directive 2002 / 95 / EC compliant. WMRK shall be manufactured by an ISO 9001 and ISO 14001 registered company. WMRK rack shall be warrantied to be free from defects in material or workmanship under normal use and conditions for the lifetime of the rack.

OPTIONS (Standard on configured models)

- Locking front door shall be Middle Atlantic Products model #LVFD-WMRK-xx. Front door has a 70% open area

- Split rear door shall be Middle Atlantic Products model #MW-CLVRD-xx. Split rear door has a 79% open area

- Rack shall include corded 20 Amp power strip with 20 outlets Middle Atlantic Products model # PDT-2020C-NS (42 space models) or 10 outlets, Middle Atlantic Products model # PDT-1020C-NS (24 space models)

- Face-mounted temperature monitoring module with local and remote notification, Middle Atlantic Products model # TEMP-DEC

- 42 space model shall additionally include one 3-1/4" width vertical lacing strip, Middle Atlantic Products model # LACE-40-OP

OPTIONS (All models)

- Vertical lacer strips, see master catalog for model # s

- Horizontal lacing bars, see master catalog for model # s

- Additional cage nut rackrail shall be model # PROWMRK-RRx (x = number of rackspaces)

- Additional Z-rail adapter shall be model # PROWMRK-ZRA-x (x = number of rackspaces)

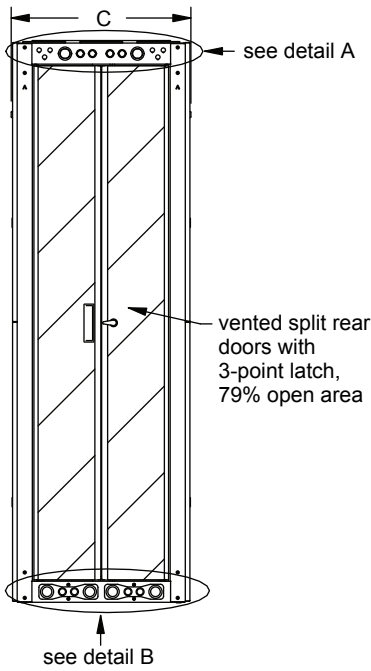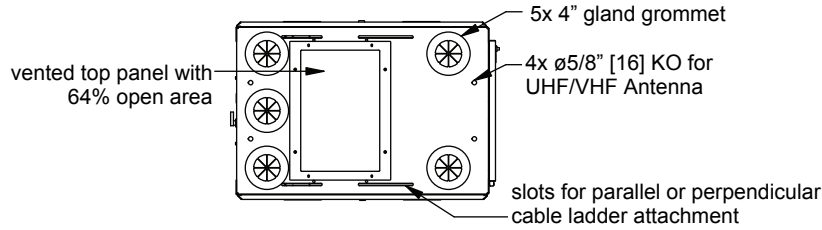- Seismic compliancy floor brackets shall be model # WMRK-Z4

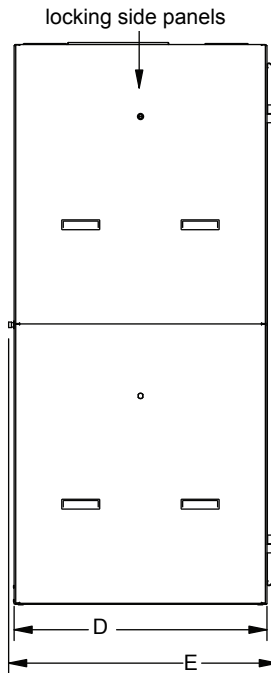**CUSTOMIZABLE SPECIFICATION CLIPS AVAILABLE AT MIDDLEATLANTIC.COM**

WMRK basic dimensions

All dimensions in inches unless otherwise noted [All dimensions in brackets are in millimeters]
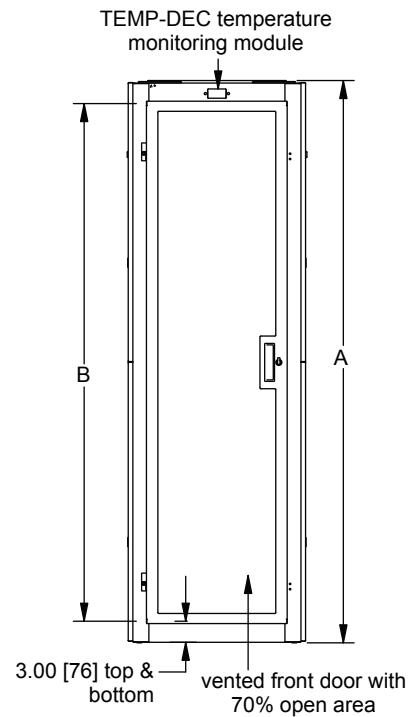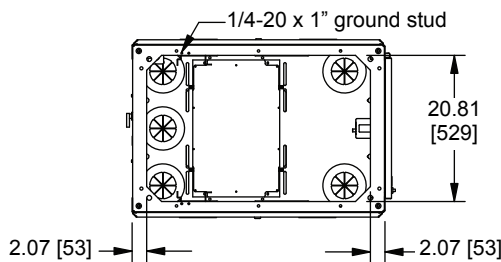
TOP VIEW

5x 4" gland grommet

vented top panel with 64% open area

4x ø5/8" [16] KO for UHF/VHF Antenna

slots for parallel or perpendicular cable ladder attachment

C

see detail A

vented split rear doors with 3-point latch, 79% open area

see detail B

REAR VIEW

locking side panels

D

E

SIDE VIEW

TEMP-DEC temperature monitoring module

B

A

3.00 [76] top & bottom

vented front door with 70% open area

FRONT VIEW

1/4-20 x 1" ground stud

20.81 [529]

2.07 [53]

2.07 [53]

BOTTOM VIEW

WMRK basic dimensions

All dimensions in inches unless otherwise noted [All dimensions in brackets are in millimeters]

Middle Atlantic Products

DETAIL 'A' TOP REAR
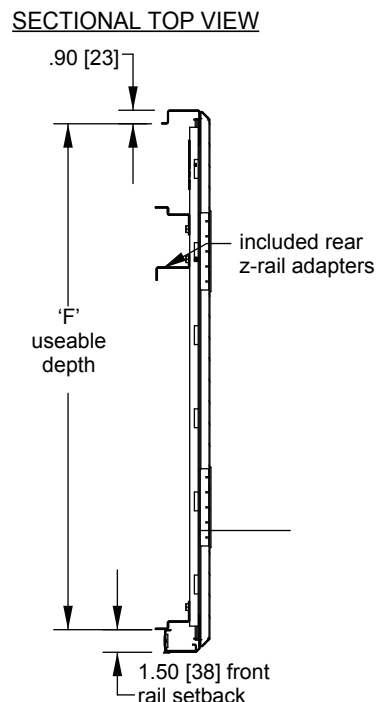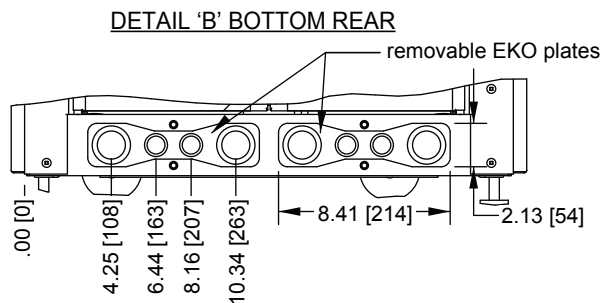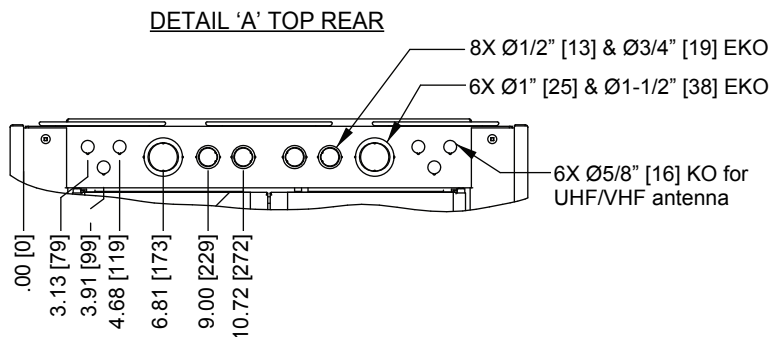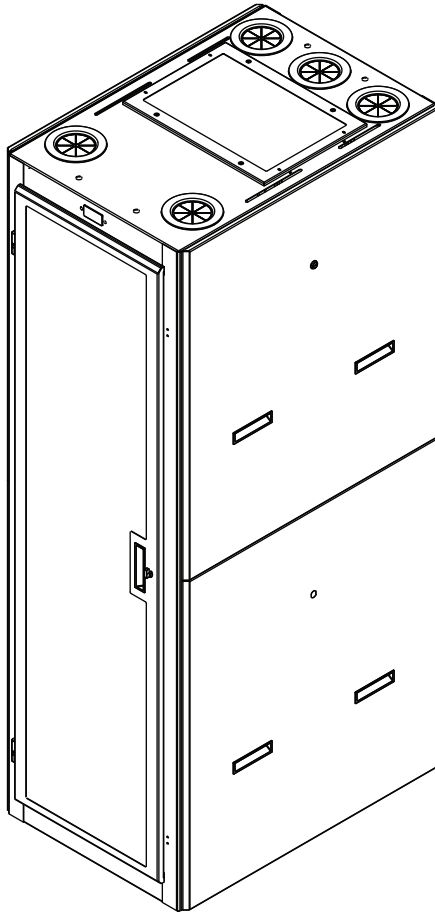
8X Ø1/2" [13] & Ø3/4" [19] EKO

6X Ø1" [25] & Ø1-1/2" [38] EKO

6X Ø5/8" [16] KO for UHF/VHF antenna

.00 [0]
3.13 [79]
3.91 [99]
4.68 [119]
6.81 [173]
9.00 [229]
10.72 [272]

DETAIL 'B' BOTTOM REAR

removable EKO plates

.00 [0]
4.25 [108]
6.44 [163]
8.16 [207]
10.34 [263]
8.41 [214]
2.13 [54]

SECTIONAL TOP VIEW

.90 [23]

'F' useable depth

included rear z-rail adapters

1.50 [38] front rail setback

TOP VIEW

9.46 [240]

8.99 [228]

20.82 [529]

FLOOR MOUNTING LOCATIONS

WMRK-xx36 31.50 [800] /
WMRK-xx42 37.50 [953] /
WMRK-xx48 43.50 [1105]

4x Ø .688 [17]

4x Ø .437 [11]

2x 17.13 [435]
2x 19.76 [502]

2x .79 [20]

WMRK-xx36 33.89 [861] /
WMRK-xx42 39.89 [1013] /
WMRK-xx48 45.89 [1166]

Part No.	A Height	B Racking Height	C Width	D Depth	E Overall Depth	F Useable Depth	Side Panels Included	Configured
WMRK-2436	48.31 (1227)	42.00 (1067)	23.94 (608)	36.00 (914)	36.00 (914)	33.60 (853)	no	no
WMRK-2436SVR	48.56 (1234)	42.00 (1067)	25.58 (650)	36.00 (914)	38.26 (972)	33.60 (853)	yes	yes
WMRK-2436SVR-AB	48.56 (1234)	42.00 (1067)	23.94 (608)	36.00 (914)	38.26 (972)	33.60 (853)	no	yes
WMRK-4236	79.81 (2027)	73.50 (1867)	23.94 (608)	36.00 (914)	36.00 (914)	33.60 (853)	no	no
WMRK-4236SVR	80.06 (2034)	73.50 (1867)	25.58 (650)	36.00 (914)	38.26 (972)	33.60 (853)	yes	yes
WMRK-4236SVR-AB	80.06 (2034)	73.50 (1867)	23.94 (608)	36.00 (914)	38.26 (972)	33.60 (853)	no	yes
WMRK-2442	48.31 (1227)	42.00 (1067)	23.94 (608)	42.00 (1067)	42.00 (1067)	39.60 (1006)	no	no
WMRK-4242	79.81 (2027)	73.50 (1867)	23.94 (608)	42.00 (1067)	42.00 (1067)	39.60 (1006)	no	no
WMRK-4242SVR	80.06 (2034)	73.50 (1867)	25.58 (650)	42.00 (1067)	44.26 (1124)	39.60 (1006)	yes	yes
WMRK-4242SVR-AB	80.06 (2034)	73.50 (1867)	23.94 (608)	42.00 (1067)	44.26 (1124)	39.60 (1006)	no	yes
WMRK-4248	79.81 (2027)	73.50 (1867)	23.94 (608)	48.00 (1212)	48.00 (1212)	45.60 (1158)	no	no
WMRK-4536	85.06 (2161)	78.75 (2000)	23.94 (608)	36.00 (914)	36.00 (914)	33.60 (853)	no	no
WMRK-4542	85.06 (2161)	78.75 (2000)	23.94 (608)	42.00 (1067)	42.00 (1067)	39.60 (1006)	no	no
WMRK-4548	85.06 (2161)	78.75 (2000)	23.94 (608)	48.00 (1212)	48.00 (1212)	45.60 (1158)	no	no

WMRK basic dimensions
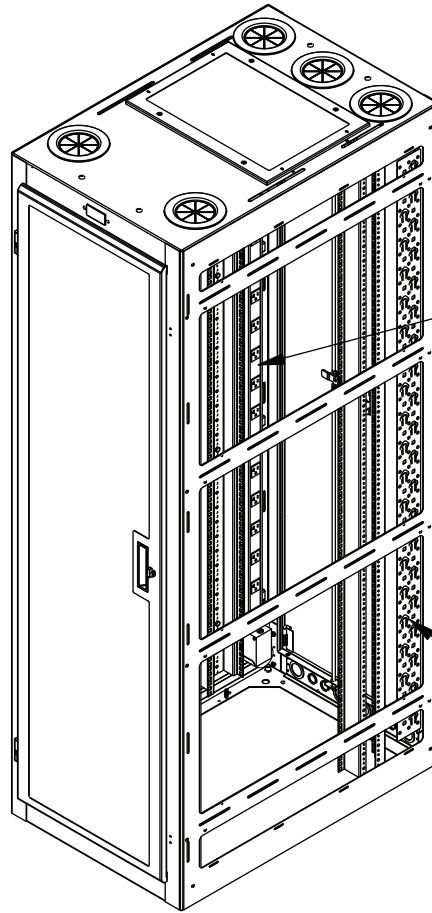
included power strip

included vertical lace

WMRK-XXXXSVR

WMRK-XXXXSVR-AB

Part #	Included Power Strip	Included Vertical Lace
WMRK-2436SVR	PDT-1020C-NS	- -
WMRK-2436SVR-AB	PDT-1020C-NS	- -
WMRK-4236SVR	PDT-2020C-NS	LACE-40-OP
WMRK-4236SVR-AB	PDT-2020C-NS	LACE-40-OP
WMRK-4242SVR	PDT-2020C-NS	LACE-40-OP
WMRK-4242SVR-AB	PDT-2020C-NS	LACE-40-OP