BGR-SA Series
19” gangable enclosures

next generation rack, designed with significant installation and performance benefits

features:

• Provides more rackspace in a smaller overall height than similar racks
• Accepts patent-pending Lever Lock™ tool free and hardware free internal device and cable management system accessories
• Fully welded construction provides the following weight capacities:
  UL Listed load capacity: 3,000 lbs., Seismic certified capacity: 1,175 lbs.
• Pre-threaded ganging holes allow for rack joining after loading
• Rackrail depth indicators
• 1/2”, 3/4”, 1” & 1-1/2” electrical knockouts and 5/8” and 1/2” D UHF/VHF antennae knockouts on rear top & bottom, easily removable for cable pass-through. Top cable management plate (38 space and up) includes 1/2”, 3/4”, 1” 1-1/2” & 3” electrical knockouts and 5/8” and 1/2” D UHF/VHF antennae knockouts
• 23” OD width, multiple depths
• Two pairs of 11-gauge, 10-32 threaded rackrail with numbered raxspace increments
• Optional stackable 3” extender bay available for front and rear
• Optional curved and beveled front doors in solid, vented and plexiglass styles
• Attractive interior bevels
• Configurable open top with vertical cable management entry points
• Durable black textured powder coat finish
• Seismic certified (when used with BGR-Z4 or BGR-ISO-Z4 option) with an Ip value of 1.5
• UL Listed in the US and Canada
BGR Series
19” gangable enclosures

EIA compliant 19” gangable equipment rack shall be Middle Atlantic Products model #BGR-__-__ (see chart for available models). Overall dimensions of BGR shall be __"H x 23"W x __"D (refer to chart). Usable height of BGR shall be __" rackspaces, usable depth shall be __" (refer to chart). BGR shall come equipped with two pairs of fully adjustable steel rackrail with tapped 10-32 mounting holes in universal EIA spacing, black e-coat finish and numbered rackspaces. BGR shall have .100" thick steel along rackrail brackets, .310" thick steel at corners. BGR shall include vented locking and latching rear door, which shall be capable of accepting up to six 4-1/2" fans. Top and bottom of BGR shall feature vertical slotted vent pattern for ventilation. BGR shall have two 1” x 7” rear obround knockouts with 1/2", 1", 1-1/4" and 1-1/2" electrical knockouts and 5/8" and 1/2" D UHF/ VHF antennae knockouts in base and top. BGR shall have a configurable open top with vertical cable management entry points. BGR shall accept patent-pending LeverLock™ tool free and hardware free internal cable and device management system accessories. BGR shall have pre-threaded 5/16"-18 ganging holes. BGR shall be capable of ganging while fully loaded, using bolts only. BGR shall have marked rackrail depth indicators. BGR shall be of fully welded construction. BGR shall be finished in an environmentally friendly, durable black powdercoat. Grounding and bonding studs shall be 1/4-20 threaded, installed in top and base of enclosure (19 and 25 space have stud in bottom only). Fully welded construction shall provide a static capacity of 12,000 lbs. and a UL Listed load capacity of 3,000 lbs. BGR Series enclosures shall satisfy the 1997 UBC; 2001, 2007 & 2010 CBC; 2000, 2003, 2006 & 2009 IBC; ASCE 7-02, ASCE 7-05, ASCE 7-10 and the 2003, 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 1,175 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 BGR-Z4 or BGR-ISO-Z4 (isolated) seismic floor anchor bracket. BGR shall be OSHPD approved for fixed equipment anchorage in California healthcare facilities. BGR shall be UL Listed in the US and Canada. BGR shall be GREENGUARD Gold Certified. BGR shall be manufactured by an ISO 9001 and ISO 14001 registered company. BGR enclosure shall be warranted to be free from defects in material or workmanship under normal use and conditions for the lifetime of the rack.

Customizable specification clips available at middleatlantic.com

<table>
<thead>
<tr>
<th>Part #</th>
<th>Rackspaces</th>
<th>&quot;A&quot; Overall Height</th>
<th>&quot;B&quot; Racking Height</th>
<th>&quot;C&quot; Depth</th>
<th>&quot;D&quot; Useable Depth</th>
</tr>
</thead>
</table>
**BGR-SA Series**

**basic dimensions**

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

### Top View
- **25SP & under**
  - Fixed hole for optional wood top
  - 2x ø5/8" [16] LKO for UHF/VHF antenna
  - 4x ø1/2" [13] 'D' LKO for UHF/VHF antenna
  - 2x 4-1/2" fan knockouts
  - 21.0 [533] x 21.13 [537] rect LKO
  - Keyhole LKO for optional wood top

### Top Panel Detail
- **38SP & up**
  - 4x 3" [76] x 1-1/2" [38] x 1" [25] EKO trade size
  - 4x ø1/2" [13] 'D' LKO for UHF/VHF antenna
  - 2x ø5/8" [16] LKO for UHF/VHF antenna
  - 4x ø.688 [17,48] LKO for grounding stud

### Bottom View
- **BGR-XXSA=23.16 [588]**
- **BGR-XXSA-32=28.16 [715]** (floor mounting holes)
- **BGR-XXSA-27=21.91 [556]**
- **BGR-XXSA-32=26.91 [683]** (bottom opening)
  - 1/4-20 x 1" grounding stud
  - 4x ø1/2" [13] 'D' LKO for UHF/VHF antenna
  - 2x 4-1/2" fan knockouts

### Front View
- **2x ø1.33 [34] x 7.50 [190] LKO**

### Side View
- **2x ø5/8" [16] LKO for UHF/VHF antenna**
- **2x 1" [25] x 1-1/4" [32] EKO trade size**

### Rear View
- **2x ø1.33 [34] x 7.50 [190] LKO**
- **2x 1/2" [13] EKO trade size**

**Lever Lock™ compatible**

Horizontal and vertical mounting options.
BGR-SA Series
curved & beveled doors basic dimensions

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

curved doors

beveled doors

Vented Door | Plexi Door | Rackspaces | A | Height
--- | --- | --- | --- | ---
VFD-19A | PFD-19A | 19 | 35.97 [913]
VFD-25A | PFD-25A | 25 | 46.47 [1180]
VFD-38A | PFD-38A | 38 | 69.22 [1758]
VFD-41A | PFD-41A | 41 | 74.47 [1891]
VFD-45A | PFD-45A | 45 | 81.47 [2069]

VFD-19A | PFD-19A | 19 | 36.22 [920]
VFD-25A | PFD-25A | 25 | 46.72 [1187]
VFD-38A | PFD-38A | 38 | 69.47 [1765]
VFD-41A | PFD-41A | 41 | 74.72 [1898]
VFD-45A | PFD-45A | 45 | 81.72 [2076]

Solid Door | Vented Door | Plexi Door | Rackspaces | A | Height
--- | --- | --- | --- | --- | ---
BFD-19 | BVD-19 | BPFD-19 | 19 | 36.22 [920]
BFD-25 | BVD-25 | BPFD-25 | 25 | 46.72 [1187]
BFD-38 | BVD-38 | BPFD-38 | 38 | 69.47 [1765]
BFD-41 | BVD-41 | BPFD-41 | 41 | 74.72 [1898]
BFD-45 | BVD-45 | BPFD-45 | 45 | 81.72 [2076]

what great systems are built on.
BGR-SA Series
front/rear extender & cable chase basic dimensions

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

front/rear extender

3x Ø 1/2" [13] ‘d’iko for UHF/VHF antenna
2x 1" [25] x 1-1/4" [32] EKO trade size

front view
side view
rear view

3.0 [76]
1.99 [51]
23.0 [584]
2.7 [68]
4.5 [114] (top CC width)
1.3 [33] x 7.5 [191] LKO
2x 3" [76] x 2" [51] EKO trade size (BGR-CC-27LT)
4x 3" [76] x 2" [51] EKO trade size (BGR-CC-32LT)
6x 3" [76] x 2" [51] EKO trade size (BGR-CC-38LT)

part # used on

BGR-CC-45FB BGR-45XX, BGR-45SA-XX
BGR-CC-41FB BGR-41XX, BGR-41SA-XX
BGR-CC-38FB BGR-38XX, BGR-38SA-XX
BGR-CC-38LT BGR-XX38
BGR-CC-32LT BGR-XX32, BGR-XXSA-32
BGR-CC-27LT BGR-XX27, BGR-XXSA-27

Part # Used On
BGR-45-EXT3 BGR-45XX, BGR-45SA-XX
BGR-41-EXT3 BGR-41XX, BGR-41SA-XX

front view
side view
rear view

cable chase

.09 [2.3] vert gap between top and bot CC

part # used on

BGR-CC-45FB BGR-45XX, BGR-45SA-XX
BGR-CC-41FB BGR-41XX, BGR-41SA-XX
BGR-CC-38FB BGR-38XX, BGR-38SA-XX
BGR-CC-38LT BGR-XX38
BGR-CC-32LT BGR-XX32, BGR-XXSA-32
BGR-CC-27LT BGR-XX27, BGR-XXSA-27

Part # Used On
BGR-CC-45FB BGR-45XX, BGR-45SA-XX
BGR-CC-41FB BGR-41XX, BGR-41SA-XX
BGR-CC-38FB BGR-38XX, BGR-38SA-XX
BGR-CC-38LT BGR-XX38
BGR-CC-32LT BGR-XX32, BGR-XXSA-32
BGR-CC-27LT BGR-XX27, BGR-XXSA-27

all dimensions in inches unless otherwise noted [all dimensions in brackets are in millimeters]
BGR-SA Series
fan top & top panel/rail basic dimensions

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

Part # | A | B | Type | Material | Open Area
---|---|---|---|---|---
BGR-STP3 | 5.22 [133] | 2.25 [57] | solid | aluminum | -
BGR-STP4 | 6.97 [177] | 4.00 [102] | solid | aluminum | -
BGR-STP9 | 15.72 [399] | 12.75 [324] | solid | steel | -
BGR-LVT9 | 15.72 [399] | 12.75 [324] | vented | steel | 64%
BGR-DT9 | 15.72 [399] | 12.75 [324] | duct top | steel | -

Top Panel/Rail

Part # A B Rackspaces
---|---|---
BGR-TRR4 | 6.97 [177] | 4.00 [102] | 4
BGR-TRR9 | 15.72 [399] | 12.75 [324] | 9

BGR-SA Series
fan top & top panel/rail basic dimensions

Note:
1. Turn on temperature for fan controlled models can be set at 75°F (24°C), 80°F (27°C), 85°F (29°C), or 90°F (32°C). Alarm can be set at 95°F (35°C) or 100°F (38°C).
2. “I” prefix indicates international fan top models. International models come with a universal voltage plug-in power supply and adapters.

Middle Atlantic Products
middleatlantic.com | middleatlantic.ca

what great systems are built on.
BGR-SA Series
caster base / inner platform base basic dimensions

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

Installing casterbase to rack will increase overall height by 1.12 [28]

BGR-XX27 11.96 [304]
BGR-XX32 16.96 [431]
BGR-XX38 22.96 [583]

BGR-XX27 3.75 [95]
BGR-XX32 8.75 [222]
BGR-XX38 14.75 [373]
BGR-SA Series
cable entry rear door basic dimensions

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Used On</th>
<th>“A” Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>BGR-RDC19</td>
<td>BGR-19XX, BGR-19SA-XX</td>
<td>29.59 [752]</td>
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<tr>
<td>BGR-RDC25</td>
<td>BGR-25XX, BGR-25SA-XX</td>
<td>40.09 [1018]</td>
</tr>
<tr>
<td>BGR-RDC38</td>
<td>BGR-38XX, BGR-38SA-XX</td>
<td>62.84 [1596]</td>
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<tr>
<td>BGR-RDC41</td>
<td>BGR-41XX, BGR-41SA-XX</td>
<td>68.09 [1730]</td>
</tr>
<tr>
<td>BGR-RDC45</td>
<td>BGR-45XX, BGR-45SA-XX</td>
<td>75.08 [1907]</td>
</tr>
</tbody>
</table>

2.50 [64] height x 15.00 [381] width brush opening

vent in rear door also accept 4-1/2” fans


rear door brush cable entry panel, mounts top or bottom