



300 Series Racks

19" Wide Opening Stand-Alone Wall Cabinet with Adjustable Rails



335-15

Applications

The 300 Series is ideal to house electronic equipment for any type of application, both commercial and residential, where a floor standing cabinet is not practical. Applications include Communications equipment, Audio Video equipment, Security systems, CCTV equipment, IT equipment, Industrial systems and Computer equipment.

Features

- Sturdy wall-mount cabinet protects equipment and saves valuable floor space
- Selection includes models with 12" and 15" deep center mounting sections
- Reinforced frame flanges, plus corner-brace structural supports and electric-welded seams & miters provide stability for mounted equipment
- Punched vents assure heat dissipation
- Internal Wire Management Raceway
- Adjustable mounting rails provide flexibility
- Rear Section Conduit and Rough-In Openings
- Alignment Pins with Screw Type Locking Rods for Closure of Center Section

In The Box

- Fully Assembled with Three Cabinet Sections Including a 2" Deep Solid-Steel Front Locking Door, a (12" or 15") Deep Center Section, a 4½" Deep Rear Section
- One pair Adjustable 12-gauge E.I.A. Rack Rails.

Options

- RR Series Rack Rails
- Drawers, Shelves, Fans, and Accessories
- Lacing Bars



307-12

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General Description

The 300 Series wall cabinets are welded with center-section depths of 12" and 15", respectively. Basic model includes three, 16-gauge CRS sections which include a 2" deep, solid-steel front door, a 12" or 15" deep center section with adjustable mounting rails, and a 4½" deep rear door. Panel space openings range from 7RU to 35RU (depending on series - see chart on next page). Enclosures are equipped with provisions for custom cabinet mounting, wire management, equipment mounting, and structural support.

Cabinet is finished in black epoxy.

All models include adjustable front rack rails tapped 10–32, and manufactured to standard E.I.A. ½" spacing. Models with RU openings of 16RU, 24RU, and 35RU are equipped with center section mounting rail supports.

Internal open raceways provide cable pathways in the cabinet. Corner brace supports, which straddle the back and side panel of the rear section (hinge side), also feature round (1¼" diameter) wire access holes for harnessing excess wire. The back face of the rear section is equipped with ¼" deep boss detents which give Contractors field flexibility to install a custom plywood, aluminum, or steel sub-plate for mounting accessories inside the cabinet. Boss detents are on 12" centers and vary depending upon model height (10RU, 12RU, and 16RU models have four detents, 24RU models have six detents and 35RU models have eight detents).

The cabinets have 20 conduit knockouts on the rear section, with the exception of the 307-12 which has 16. Conduit arrays are located at the top and bottom of the back panel (except 307-12 which has a centered array), as well as on the top and bottom back flanges. Panel arrays consist of four knockouts: two 1" (25mm) standard and two ½" (13mm) / ¾" (19mm) concentric. Top and bottom flange arrays are comprised of six knockouts: three 1" (25mm) standard and three ½" (13mm) / ¾" (19mm) concentric.

Perforated vents, located on both sides (top and bottom) of the center section, provide ventilation for rack-mounted electronics.

The cabinets offer exceptional structural support. The units' one-piece front and rear sections are strengthened with frame flanges on bottom, top, and sides. Center sections are plug-welded, joining bottom and top panels to side panels. Rear sections have corner brace supports which bridge the back and side panel (hinge side) giving the back (mounted) panel extra reinforcement for tension relief.

Cabinets also have electric-welded seams and miters which increases the cabinets' overall bonding. The center section offers maximum reinforcement provisions, such as a uniquely designed center section guide plate that reduces potential sagging by distributing cabinet and equipment weight to rear section. The 11-gauge, 1⅞" wide guide plate, which mounts to the rear section's bottom flange, provides a ¾" lip for added support to the center section when the cabinet is open or closed.

The plate also ensures that an equipment-weighted center section will close properly, by "guiding" alignment pins into respective holes. An optional caster for carrying the weight of the center sections is available (Atlas CT31A).

Architect & Engineer Specifications

The sectional wall mounting cabinet shall be Atlas Sound Model _____ (300 Series). It shall be constructed of 16-gauge CRS throughout. Hinges shall be bolted to cabinet. All sections shall be of one-piece construction with electric-welded seams and miters. Cabinet shall have provisions which allow the unit to be Right hand hinged or inverted for accommodating Left-hand hinging applications. Rear section shall have concentric ½" (13mm) and ¾" (19mm) knockouts on the top and bottom surface panel, as well as the flange panels at the top and bottom of the rear panel. Center section shall be secured with screw-type locking rods and alignment pins. The center section shall be equipped with adjustable, front-to-rear mounting rails tapped with 10–32 holes on E.I.A. 19" spacing. Units shall have slotted rail supports for mounting rail adjustment and wire management purposes. Standard front door shall be 2" (51mm) deep, and constructed of one-piece 16-gauge CRS, with perforation vents and cylinder lock.

Specification Friendly Text

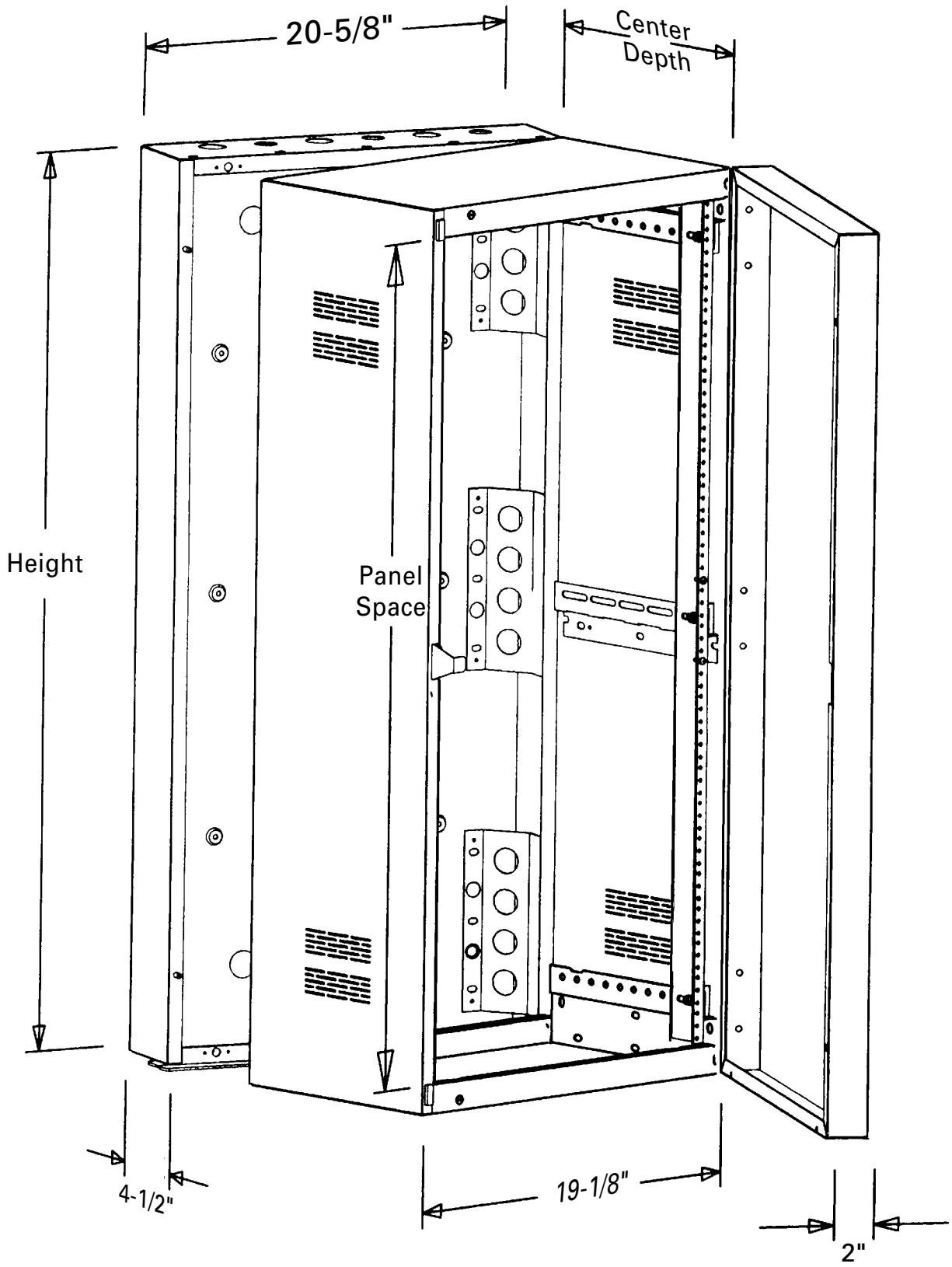
1. Sectional Wall Cabinet – Sectional wall cabinet shall be a fully enclosed metal cabinet to secure rack mount equipment to a wall location. Cabinet shall be capable of being mounted for right or left hand hinge opening. Cabinet shall:
 - a. Be (7RU, 10RU, 12RU, 24RU, or 35RU) High opening for equipment mounting.
 - b. Provided (12" or 15") deep center section with 19" wide E.I.A. rack rails for mounting equipment.
 - c. Includes rear section suitable for mounting cabinet with left or right hand hinging.
 - d. Provide perforated top and bottom flanges on cabinet sides for heat dissipation.
 - e. Be 16-gauge welded metal frame with 12 gauge adjustable front rack rails.
 - f. Include Front locking door capable of right or left hand mounting.
 - g. Include wire isolation holes located top and bottom of rear section.
 - h. Include internal wire raceway.
 - i. Manufacturer Atlas 324-12, 316-12, 307-12, 335-15, 324-15, 316-15, 312-15, or 310-15

| 300 Series –12" Center | | | | | | |
|------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model | | 324-12 | 316-12 | 312-12 | 310-12 | 307-12 |
| Rack Units | | 24 RU | 16 RU | 12 RU | 10 RU | 7 RU |
| Outside Dimensions | Height | 45" (1143mm) | 31" (787mm) | 24" (609mm) | 20½" (521mm) | 15¼" (387mm) |
| | Width | 20⅝" (613mm) | 20⅝" (613mm) | 20⅝" (613mm) | 20⅝" (613mm) | 20⅝" (613mm) |
| | Rear Depth | 4½" (114mm) | 4½" (114mm) | 4½" (114mm) | 4½" (114mm) | 4½" (114mm) |
| | Center Depth | 12" (305mm) | 12" (305mm) | 12" (305mm) | 12" (305mm) | 12" (305mm) |
| Solid Front Door | | Included | Included | Included | Included | Included |
| Rear Mounting Door | | Included | Included | Included | Included | Included |
| Extra Rear Rack Rails | | RR324 | RR316 | RR312 | RR310 | RR307 |
| Caster Kit | | CT31A | CT31A | CT31A | CT31A | CT31A |
| Lacing Bars | LRS | √ | √ | √ | √ | √ |
| | LR4 | √ | √ | √ | √ | √ |
| Bus Bars | | N/A | N/A | N/A | N/A | N/A |

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| 300 Series –15" Center | | | | | | |
|------------------------|--------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Model | | 335-15 | 324-15 | 316-15 | 312-15 | 310-15 |
| Rack Units | | 35 RU | 24 RU | 16 RU | 12 RU | 10 RU |
| Outside Dimensions | Height | 64¼" (1632mm) | 45" (1143mm) | 31" (787mm) | 24" (609mm) | 20½" (521mm) |
| | Width | 20⅝" (613mm) | 20⅝" (613mm) | 20⅝" (613mm) | 20⅝" (613mm) | 20⅝" (613mm) |
| | Rear Depth | 4½" (114mm) | 4½" (114mm) | 4½" (114mm) | 4½" (114mm) | 4½" (114mm) |
| | Center Depth | 15" (381mm) | 15" (381mm) | 15" (381mm) | 15" (381mm) | 15" (381mm) |
| Solid Front Door | | Included | Included | Included | Included | Included |
| Rear Mounting Door | | Included | Included | Included | Included | Included |
| Extra Rear Rack Rails | | RR335 | RR324 | RR316 | RR312 | RR310 |
| Caster Kit | | CT31A | CT31A | CT31A | CT31A | CT31A |
| Lacing Bars | LRS | √ | √ | √ | √ | √ |
| | LR4 | √ | √ | √ | √ | √ |
| Bus Bars | | N/A | N/A | N/A | N/A | N/A |

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