



100 Series Cabinets

19" Wide Opening Stand-Alone Floor Cabinet with Fixed Rails, UL Listed



144-18

Applications

Atlas 100 Series of floor cabinets are an affordable solution to house equipment for Government, Military, Commercial and Residential applications. These cabinets are commonly used to house Communications equipment, Audio Video equipment, Computer equipment, Broadcast equipment, Security systems, CCTV equipment, IT equipment, Industrial systems and Building Management Systems.

Features

- UL 1678 Listed
- Five Model Heights Available
- Locking Rear Door Offers Right- or Left-Hand Hinging Capability
- Up to 6RU (or Combinations to 6RU) Panel Opening in Top Offers Wiring Convenience or Fan Panel Cooling with Optional EFP Series Fan Kits
- Increased Opening in Base Facilitates Wiring to Conduit or Below Floor Raceways
- Functional 3RU Blank Panel (5¼") Provided
- Manufactured to E.I.A. Standards
- Includes Perforated Front, Rear and Side Vents for Heat Dissipation
- Pre-Drilled to Accept M-1A Cabinet Mount IR Repeater

In The Box:

- Base, Top Panel, Side Panels, and Rear Door, Fully Assembled
- Welded 16-gauge Cold Rolled Steel (CRS) Construction
- Vented Top, Base, Sides, and Rear Door
- One Pair of 12-Gauge, CRS Fixed Mounting Rails with Hash Marks to Denote RU Increments
- Removable Left/Right Rear Door with Lock
- Pre-Installed hardware for optional front door installation
- 18 Conduit Knockouts

Options

- Solid, Perforated, or Plexiglas Front Door
- Drawers, Shelves, Fans, and Accessories
- RCK-18 Caster Kit
- Lacing Bars and Bus Bars

General Description

The 100 Series Cabinets are 18½" deep, 22⅝" wide, and available in five different RU heights, 21RU, 24RU, 35RU, 40RU, and 44RU. (Refer to chart on next page for exact dimensions and model numbers.) The cabinets are welded 16-gauge CRS and assembled for immediate use.

Rear doors are hung with quick-release spring hinges which allow them to be rotated 180° for right- or left-hand opening. Rear door includes flush door handle and cylinder lock. See chart on back for appropriate Optional front door model numbers. If front door is ordered, it will be keyed differently than the rear door for security.

The 100 Series Cabinet line offers several installer-friendly advantages, including a 6RU standard panel width opening in the cabinet top and conduit arrays. The top opening can be left open for wire access and/or ventilation or closed using 2 standard 3RU (5¼") panels. Top opening is also perfect for installing EFP Series fan. Conduit arrays are located on the top and bottom surface panels, as well as the top and bottom back flanges. Flange arrays consist of five knockouts, three 1" (25mm) standard, and two, ½" (13mm) ¾" (19mm) concentric. Surface arrays are comprised of 4 knockouts: two 1" (25mm) standard knockouts and two ½" (13mm) ¾" (19mm) concentric.

Stamped, perforated vents are located on front, sides and rear door to allow for maximum air convection.

Cabinets include one pair of 12-gauge, CRS fixed mounting rails tapped 10–32 and recessed ⅝" (16mm). Rails are standard E.I.A. spacing.

Cabinet surface is phosphate pre-treated for proper paint adhesion. Standard finish is textured black epoxy.

Architect & Engineer Specifications

Floor cabinet shall be Atlas Sound Model _____ (100 Series). Cabinet shall be UL Listed 1678 constructed of 16-gauge CRS throughout. It shall have ½" (13mm) and ¾" (19mm) concentric conduit knockouts and 1" standard knockouts on the top and bottom panels, and top and bottom rear flanges. Cabinet shall be vented for natural air convection. Rear door shall be supported by spring hinges and may be positioned for (right- or left-hand) hinging. Door shall be equipped with a flush door pull and cylinder lock. Enclosure shall have one pair of fixed rails with RU hash marks made of 12-gauge Cold Roll Steel (CRS) with 10–32 tapped holes on E.I.A. universal spacing.

Overall height dimension shall be _____; panel space dimension fshall be _____, _____ units. Cabinet shall have 86.42 in² of open ventilation with floor mounting holes. Optional RCK-18 Caster Kit available.

If ordering front door, add: Unit shall be used in conjunction with Atlas Racks solid front door Model SFD-_____, perforated steel Model MPFD-_____ or Plexiglas door Model PFD-_____. Front doors shall be hung on quick-release hinges for (right, left)-hand hinging and include a flush door pull and cylinder lock keyed differently than the rear door.

Specification Friendly Text

1. Stand Alone Floor Cabinet – Stand Alone Floor cabinet shall be a metal cabinet used to secure rack mount equipment. Cabinet shall be capable of being mounted to the floor. Cabinet shall:
 - a. Be (21RU, 24RU, 35RU, 40RU, or 44RU) High opening for equipment mounting.
 - b. Be 18½" deep with 19" wide E.I.A. fixed front 12-gauge rack rails for mounting equipment.
 - c. Includes rear locking door with left or right hand hinging.
 - d. Provide perforated top, side and bottom flanges on cabinet for heat dissipation.
 - e. Be 16-gauge welded metal Cold Roll Steel (CRS) frame.
 - f. Include Optional Solid, Plexiglas or Perforated Front locking door capable of right or left hand mounting.
 - g. Include wire isolation/conduit holes located top and bottom of cabinet.
 - h. Manufacturer Atlas (121-18, 124-18, 135-18, 140-18 or 144-18) with SFD, MPFD or PFD Series Front Door.

100 Series - 18½" Deep						
Model		121-18	124-18	135-18	140-18	144-18
Rack Units		21RU	24RU	35RU	40RU	44RU
Outside Dimensions	Height	41" (1041mm)	46¼" (1175mm)	65½" (1664mm)	74¼" (1886mm)	81¼" (2064mm)
	Width	22⅝" (567mm)	22⅝" (567mm)	22⅝" (567mm)	22⅝" (567mm)	22⅝" (567mm)
	Depth	18½" (470mm)	18½" (470mm)	18½" (470mm)	18½" (470mm)	18½" (470mm)
Usable Depth		17.03" (433mm)	17.03" (433mm)	17.03" (433mm)	17.03" (433mm)	17.03" (433mm)
Panel Space		36⅞" (937mm)	42⅞" (1070mm)	61⅞" (1559mm)	70⅞" (1781mm)	77⅞" (1959mm)
Top Opening		6RU	6RU	6RU	6RU	6RU
Optional Front Doors	Plexiglass	PFD21	PFD24	PFD35	PFD40	PFD44
	"Micro-Perf" Front Door 1" Deep	MPFD21	MPFD24	MPFD35	MPFD40	MPFD44
	"Micro-Perf" Front Door 3" Deep	MPFD21-3	MPFD24-3	MPFD35-3	N/A	N/A
	Solid Front Door	SFD21	SFD24	SFD35	SFD40	SFD44
Rear Doors		Included	Included	Included	Included	Included
Caster Kit		RCK-18	RCK-18	RCK-18	RCK-18	RCK-18
Roller Truck		CT1020-962	CT1020-962	CT1020-962	CT1020-962	CT1020-962
Lacing Bars	LRS	√	√	√	√	√
	LR4	√	√	√	√	√
Bus Bars		BBG21	BBG24	BBG35	BBG40	BBG44
6 RU Solid Filler Panel		SPR6	SPR6	SPR6	SPR6	SPR6
6 RU Perforated Filler Panel		PPR6	PPR6	PPR6	PPR6	PPR6

