



500 Series Racks

19" Wide Opening Stand-Alone/Gangable Floor Cabinet with Adjustable Rails, UL Listed



Applications

The Atlas 500 Series Cabinets are ideal for single and multi-bay applications where easy accessibility to wiring in and between racks is desirable. These cabinets are commonly used to house Data Center Equipment, 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
- Three Model Heights
- 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 EFT/EFP Series Fan Kits
- Slotted Mounting Rail Supports Vertical Wire Management and are E.I.A. -Spaced for Vertical Mounting of 19" Accessories
- Increased Opening base Facilitates Wiring to Conduit or to Access Below Floor Raceways
- Functional 3RU Blank Panel (5'11") 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

Basic Rack Includes

- Base, Top Panel, Frame and Rear Door, Fully Assembled
- Welded 16-gauge Cold Rolled Steel (CRS) Construction
- Includes Front "Fully Adjustable" Rack Rails made from 12-Gauge CRS with Hash Marks to Denote RU Increments
- Rack Rails Utilize "Drop-In" Feature for Mounting in Cabinet
- Removable Left/Right Rear Door with Lock
- 18 Conduit Knockouts

Options

- Solid, Perforated, or Plexiglas Front Door
- RR Series Rack Rails
- SPS Series Side Panels
- 4" Wide Wiring Channel Consolidates Wiring
- Drawers, Shelves, Fans, and Accessories
- RCK-25 or RCK-30 Caster Kits

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General Description

The 500 Series Cabinets are welded frames in 25¹/₂" or 30" depths available in three different RU heights, 35RU, 40RU, and 44RU. The 500 Series 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. See chart on following page for optional front door model numbers. If front door is ordered, it will be keyed differently than the rear door for security. Cabinet frame and rear door are vented to promote air circulation and heat dissipation.

The 500 Series 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 free wire access/ventilation, partially covered or closed using 2 standard 5¹/₄" (3RU) panels. Top opening is also perfect for installing EFP Series fan. Multiple conduit arrays provide maximum access, and are conveniently located on the top and bottom panel surface, and across the top and bottom back flanges of the cabinet frame. Surface arrays are comprised of 4 knockouts: two 1" (25 mm) standard knockouts and two 1¹/₂" (13mm) / 3¹/₄" (19mm) concentric. Flange arrays consist of five knockouts: three 1" (25mm) standard and two 1¹/₂" (13mm) / 3¹/₄" (19mm) concentric.

Cabinet frame and rear door are vented to promote air circulation and heat dissipation.

Includes one pair of 12-gauge CRS adjustable mounting rails tapped 10–32 (544-30 includes 2 pair 12-gauge mounting rails) Cabinets have welded top and bottom panels with panel-opening vent; removable rear door with quick-release spring hinges, flush pull and cylinder lock.

Cabinets feature front-to-rear mounting rail supports with slotted cutouts to easily adjust rail depth and to provide open raceways for vertical cable pathway.

(Note: Number of supports per side vary depending upon model selected — 40RU & 44RU models = 4 per side; 35RU model = 3 per side)

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 _____ (500 Series). Unit shall be UL Listed 1678 constructed of 16-gauge CRS throughout. It shall have 1¹/₂" (13mm) and 3¹/₄" (19mm) concentric conduit knockouts and 1" standard knockouts on the top and bottom panels, and top and bottom rear flanges. Unit shall be vented for natural air convection. Rear door shall be supported by spring hinges and 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 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 shall be _____, _____ units. Unit shall have 86.42 in² of open ventilation. Optional RCK-25 and RCK-30 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/Gangable Floor Cabinet – Stand Alone/Gangable Floor cabinet shall be a metal cabinet with adjustable rack rails used to secure rack mount equipment. Cabinet shall be capable of being mounted to the floor. Cabinet shall:
 - a. Be (35RU, 40RU or 44RU) High opening for equipment mounting.
 - b. Be (25¹/₂" or 30") deep with 19" wide E.I.A. Adjustable front 12-gauge rack rails for mounting equipment.
 - c. Includes rear locking door with left or right hand hinging.
 - d. Provide perforated top, rear door 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 (535-25, 540-25, 544-25 and 544-30) with Optional (SFD, MPFD or PFD) Series Front Door and Optional SPS Series side panels.



500 Series					
Model		535-25	540-25	544-25	544-30
Rack Units		35 RU	40 RU	44 RU	44 RU
Outside Dimensions	Height	65 ¹ / ₂ " (1664 mm)	74 ¹ / ₄ " (1886 mm)	81 ¹ / ₄ " (2064 mm)	81 ¹ / ₄ " (2064 mm)
	Width	22 ⁵ / ₁₆ " (567 mm)	22 ⁵ / ₁₆ " (567 mm)	22 ⁵ / ₁₆ " (567 mm)	22 ⁵ / ₁₆ " (567 mm)
	Depth	25 ¹ / ₂ " (648 mm)	25 ¹ / ₂ " (648 mm)	25 ¹ / ₂ " (648 mm)	30" (762 mm)
Usable Depth		23.53" (598mm)	23.53" (598mm)	23.53" (598mm)	28.03" (712mm)
Panel Space		61 ¹ / ₄ " (1556mm)	70 ¹ / ₈ " (1781 mm)	77 ¹ / ₈ " (1959 mm)	77 ¹ / ₈ " (1959 mm)
Top Opening		6 RU (10.5")	6 RU (10.5")	6 RU (10.5")	6 RU (10.5")
Front Doors	Plexiglass	PFD35	PFD40	PFD44	PFD44
	"Micro-Perf" Front Door 1" Deep	MPFD35	MPFD40	MPFD44	MPFD44
	"Micro-Perf" Front Door 3" Deep	MPFD35-3	N/A	N/A	N/A
	Solid Front Door	SFD35	SFD40	SFD44	SFD44
Rear Doors		Included	Included	Included	Included
Side Panels		SPS35-25	SPS40-25	SPS44-25	SPS44-30
Extra Rear Rack Rails		RR35	RR40	RR44	Included
Caster Kit		RCK-25	RCK-25	RCK-25	RCK-30
Roller Truck		N/A	N/A	N/A	N/A
Lacing Bars	LRS	√	√	√	√
	LR4	√	√	√	√
Bus Bars		BBG35	BBG40	BBG44	BBG44



