F-SERIES TERAFRAME™ CABINET SYSTEM

23.6"W (600 mm) Cabinets

KEY FEATURES

- Distinct and attractive styling sets the F-Series TeraFrame apart from other cabinets.

- Highly flexible design with 612 frame sizes and infinite standard configurations. Choose from a variety of thermal, cable and power management accessories to match your exact needs using CPI's Product Configurator at www.chatsworth.com/configurator.

- Use CPI Passive Cooling® Solutions to support a broad range of equipment heat loads. Overcome high-density applications with the Vertical Exhaust Duct.

- Choose from several styles of top panels, side panels and doors to match your security and thermal management requirements. Top panels have large brush sealed cable openings; doors and side panels are locking with solid or perforated (mesh panels).

- Numerous standard latching and locking options are available, including electronic keypad access.

- Includes two pairs of sliding, continuously adjustable mounting rails to provide critical front and rear support for 19" wide (482.6 mm) rack-mount equipment including all major brands of server and data storage equipment that are EIA-310-D compliant.

APPLICATIONS

- The next generation F-Series TeraFrame™ Cabinet System is a highly configurable equipment storage cabinet that organizes, stores and secures computer, data storage and network equipment in the data center, computer room or network environment.

USE WITH

- Air Dam Kit
- Vertical Cable Managers
- Vertical Power Managers
- Airflow Director
- Internal Air Duct
- Vertical Exhaust Duct

RELATED ACCESSORIES

- Snap-In Filler Panels
- Rack-Mount Shelves
- Vertical Power Strips
- Electronic Locking System
- Remote Infrastructure Management (RIM-600) System
- LCD Monitor + Shelf
- Keyboard + Tray

Custom Configure
Select thermal and cable management to match your exact needs

Pre-Configured Solutions
Makes ordering easy

CPI's next generation F-Series TeraFrame™ Cabinet System has enhanced features that easily adapt to changing requirements and lets you configure a personalized solution that is delivered quickly to meet your busy schedule.

The F-Series TeraFrame organizes, stores and secures computer, data storage and network equipment in the data center, computer room or network environment. Every cabinet includes two pairs of adjustable depth equipment mounting rails that slide front-to-rear to provide critical front and rear support for equipment. Square-punched EIA-310-D compliant equipment mounting rails (the industry standard) guarantee compatibility with most rack-mount equipment. Plus, each RMU is marked and numbered on all mounting rails making it easy to locate and attach equipment.

The top panel has large brush-covered cable openings that will handle large bundles of cables while preventing undesirable hot air re-circulation. Upgrade to the Vertical Exhaust Duct as cabinet heat loads increase. Side panels have recessed, locking, spring-loaded latches and can be easily removed from the outside to access equipment. Cabinets can be bayed with side panels installed or uninstalled. Doors and side panels are either solid or perforated (mesh). Mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame. Doors feature a swing handle for better security. There are seven latch styles to choose from.

Combine the F-Series TeraFrame with thermal and cable management accessories to create a custom solution that fits your exact needs. See inside for product details. Contact CPI Technical Support or visit the CPI Website (www.chatsworth.com/configurator) for configuration assistance.

CPI CHATSWORTH PRODUCTS, INC.

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http://www.TWAcomm.com
Toll Free: (877) 389-0000

800-834-4969
techsupport@chatsworth.com
www.chatsworth.com

ORDERING INFORMATION

Use the part number configurator below to create a custom F-Series TeraFrame. Choose the **H**eight, **W**idth, **D**epth, **R**ail Style, **F**ront **D**oor, **R**ear **D**oor, **L**atch, **C**olor, **T**op **P**anel Style and **S**ide **P**anel Style. *Example part number: FF1J-112A-C12*

F	H	W	D	-	R	FD	RD	L	-	C	TP	SP

1. Height

Cabinet		Frame		Rail	
in.	mm.	in.	mm.	RMU	
46.8	1189	46.6	1184	24	A
67.8	1722	67.6	1717	36	B
78.3	1989	78.1	1984	42	C
80.0	2032	79.9	2029	43	D
81.8	2078	81.6	2073	44	E
83.5	2121	83.4	2118	45	F
85.3	2167	85.1	2162	46	G
87.0	2210	86.9	2207	47	H
88.8	2256	88.6	2250	48	J
90.5	2299	90.4	2296	49	K
92.3	2344	92.1	2339	50	L
94.0	2388	93.9	2385	51	M

2. Width

Cabinet		Rail	Frame		
in	mm	EIA	in	mm	
23.6	600	19"	23.6	600	1

3. Depth

Cabinet		Rail		Frame		
in	mm	in	mm	in	mm	
35.3	897	28.6	726	31.5	800	A
36.3	922	29.6	751	32.5	825	B
37.3	947	30.6	776	33.5	850	C
38.2	972	31.5	801	34.4	875	D
39.2	997	32.5	826	35.4	900	E
40.2	1022	33.5	851	36.4	925	F
41.2	1047	34.5	876	37.4	950	G
42.2	1072	35.5	901	38.4	975	H
43.2	1097	36.5	926	39.4	1000	J
44.2	1122	37.4	951	40.4	1025	K
45.1	1147	38.4	976	41.3	1050	L
46.1	1172	39.4	1001	42.3	1075	M
47.1	1197	40.4	1026	43.3	1100	N
48.1	1222	41.4	1051	44.3	1125	P
49.1	1247	42.4	1076	45.3	1150	R
50.1	1272	43.3	1101	46.3	1175	T
51.0	1297	44.3	1126	47.2	1200	U

Vertical Exhaust Duct (label on left side of depth table)

Note: See the worksheet at the bottom of page 5 to determine cabinet depth.

4. Rail Style[1]

1	Square-Punched, 2 Pair
2	Tapped, #12-24, 2 Pair

5. Front Door[2]

0	None
1	Single, Perforated Metal
2	Single, Solid Lexan®
3	Single, Solid Metal

6. Rear Door[2]

0	None
1	Single, Solid Metal
2	Single, Perforated Metal
3	Double, Perforated Metal

Note: Double door requires a two-point latch (C) or (E), see latches above.

7. Latches (Door)[3]

A	Single-Point, Slam Latch, Keyed Lock
B	Single-Point, Cam Latch, Keyed Lock
C	Two-Point, Cam Latch, Keyed Lock
D	Single-Point, Cam Latch, Combination Lock
E	Two-Point, Cam Latch, Combination Lock
F	Single-Point, Electronic Keypad Lock
K	Single-Point, Slam Latch, Combination Lock
N	None (Use only when NO DOORS are selected)

8. Color

C	Black
D	Signature Blue
E	Glacier White
F	Steel Gray

9. Top Panel Style[4]

0	None
2	Network, 4 Cable Openings
4	Server, 2 Cable Openings
5	Vertical Exhaust Duct System, 20"-34"H (508 mm - 863 mm)
6	Vertical Exhaust Duct System, 34"-60"H (863 mm - 1523 mm)

Note: Use options 5 and 6 on 41.3" (1050 mm) to 47.2"D (1200 mm) cabinet frames with perforated front door, solid side panels and solid rear door.

10. Side Panel Style[2]

0	None
1	Solid, 1 each
2	Solid, 2 each
3	Vented, 1 each
4	Vented, 2 each

Notes:

1. Square-punched rails are preferred with rack-mount computer server and data storage equipment because the rails use snap-in cage nut hardware that can be changed to match equipment requirements.
2. Combine perforated doors with solid side panels for front-to-back airflow in support of hot aisle/cold aisle layouts. Use solid doors and perforated side panels for side-to-side airflow required by some network switches. Use a perforated front door, solid rear door and solid side panels with the Vertical Exhaust Duct top panel for maximum cooling effect.
3. All doors have swing handles and require a latch. Typically, the front and the rear door have the same latch. However, if you select a double rear door and a single-point latch, the double door will have the two-point cam latch (C) or (E) with the same type of lock as the front door. Also, on the electronic keypad lock (F), the keypad is integrated into the swing handle on the front door, but controls both the front and rear door latches. Slam latch engages when the door is pushed closed. Cam latch requires the handle to be turned to secure the door. Combination lock has a programmable three-digit combination and is opened with three dials on the handle or with a key. The electronic keypad requires a power connection, can be programmed with five combinations and is opened by entering the programmed access code on a nine-digit keypad on the front door handle. The electronic keypad cannot be used with double doors, does not keep a data log of access attempts and does not have a network connection. A networkable Electronic Locking System (ELS) is available as an accessory.
4. There are three styles of top panel. Server top panels have two large cable openings. Server top panels on cabinets frames that are 41.3" (1050 mm) deep or deeper have a knockout for the Vertical Exhaust Duct. Network top panels have four large cable openings. Vertical Exhaust Duct System is only available for cabinet frames that are 41.3" (1050 mm) to 47.2"D (1200 mm). The system includes a top-mount Vertical Exhaust Duct, a Server Top Panel, an Airflow Director and a Rear Door Sealing Kit. Select from two duct height ranges: 20"-34" (508 mm - 863 mm) or 34"-60"H (863 mm - 1523 mm). Use with a solid rear door. See details on page 4.

Standard F-Series TeraFrame Cabinets that include any combination of the UL Listed accessories included on this data sheet are UL Listed under the NWIN (Information Technology and Communications Equipment) category per the UL60950 Standard, UL file number E227626.

SPECIFICATIONS

- Freestanding equipment cabinet provides front and rear support for 19"W (482.6 mm) EIA rack-mount equipment and shelves
- For indoor use only, in environmentally controlled areas; not harsh environments or in air-handling spaces
- Includes:
  - Welded steel and bolted aluminum four-post frame
  - Equipment mounting rails, two pairs
  - Leveling Feet
  - Factory installed grounding/bonding system
  - Equipment mounting hardware
  - Brackets for mounting a 66"L (1680 mm) CPI Vertical Power Strip in 42 RMU to 47 RMU cabinets
- Equipment space:
  See Height, Width and Depth tables under Ordering Information
- Doors/latches:
  - Order with cabinet or as accessories
  - Front door is curved, rear door is flat
  - Door panel/insert is perforated (79% open), solid metal or tinted Lexan®
  - Locking with choice of latch and lock
  - Easy to remove at 90° open position
  - Reversible to open from the right or left
  - Front door opens 150° when bayed
  - Rear door opens 175° when bayed
- Side panels:
  - Order with cabinet or as accessories
  - Solid or vented panels with two recessed locking spring-loaded latches
- Top panels:
  - Network Top Panel has four 3" x 11.75" (76 mm x 292 mm) brush sealed openings and four 3" (76 mm) diameter cable openings with grommets, one each per corner.
  - Server Top Panel has two 3" x 11.75" (76 mm x 292 mm) brush sealed openings and two 3" (76 mm) diameter cable knockouts, one per corner. Order a pair of grommets (P/N 35021-000) separately to protect cables that will pass through the 3" (76 mm) diameter cable knockouts. The brush sealed openings can be located over the front or rear corners of the cabinet. Server Top Panels for cabinet frames that are 41.3"D (1050 mm) or deeper have an additional large, rectangular knockout for the Vertical Exhaust Duct and can be upgraded with a Vertical Exhaust Duct.
  - Vertical Exhaust Duct System includes a Server Top Panel. When the duct is used, the brush-sealed cable openings are positioned over the front corners of the cabinet and the 3" (76 mm) diameter cable knockouts cannot be used.
- Cable access:
  - Cabinet has an open base
  - Top panel cable capacities:
    – Server Top Panel has two 3" (76 mm) diameter knockouts and two 3" x 11.75" (76 mm x 292 mm) brush sealed opening
    – Network Top Panel has four 3" (76 mm) diameter knockouts and four 3" x 11.75" (76 mm x 292 mm) brush sealed openings
- Top panel cable capacities (50% fill):

Opening	Area (in²)	Area (m²)	Cat 5e	Cat 6	Cat 6a
3" diameter	5.9	.004	38	25	15
3" x 11.75"	34.5	.02	226	146	89

Note: Based on .220" (6 mm) OD Cat 5e, .275" (7 mm) OD Cat 6, .350" (9 mm) OD Cat 6a UTP cable.

- Equipment support:
  Two pairs of equipment mounting rails in the cabinet
  - 1-3/4" (44.45 mm) RMU marked and numbered bottom-to-top on all rails
  - 19"W, EIA-310-D Universal 5/8"- 5/8"- 1/2" (15.9 mm - 15.9 mm - 12.7 mm) vertical hole spacing
  - Threaded or square-punched holes; square-punched holes accept cage nuts
  - Adjustable depth, slide front-to-rear; depth marks on frame for easy alignment
  - Includes 50 each #12-24 screws with threaded rails or 25 each M6 cage nuts and screws with square-punched rails
- Load capacity: 2500 lb (1134.0 kg)
- Grounding/Bonding: Mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame; a Ground Terminal Block is included to attach the frame to ground
- Certifications: EIA-310-D compliant; UL Listed 60950
- Material: Steel and aluminum extrusion
- Construction: Welded/bolted frame, mounting rails bolt to frame
- Finish: Epoxy-polyester hybrid powder coat in Black, Signature Blue, Glacier White or Steel Gray
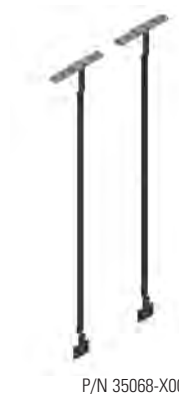
SERVICE PARTS

Service parts include mounting rails, top panels, side panels, doors and door latches and are used as replacement parts to upgrade cabinets as applications change.

When ordering service parts for your F-Series TeraFrame™ Cabinet, it is necessary to identify whether the frame construction is First Generation (Gen 1) or Second Generation (Gen 2) as not all components are designed to fit both. A TeraFrame Cabinet Frame Construction Guide can be found at www.chatsworth.com/teraframe or contact CPI Technical Support at 800-834-4969 or techsupport@chatsworth.com for additional assistance.

INSTALLATION PRODUCTS

P/N 12637-001
P/N 12638-001
P/N 12639-001

P/N 35069-X01

P/N 35051-C01

Part Number	Description	Shipping Weight
Mounting Hardware, UL Listed		
40605-001	Screws, #12-24, 50 pk., Zinc	1 lb (0.5 kg)
40605-005	Screws, #12-24, 50 pk., Black	1 lb (0.5 kg)
12637-001	Cage Nuts, M6, 25 pk., Gold	1 lb (0.5 kg)
12638-001	Cage Nuts, #10-32, 25 pk., Zinc	1 lb (0.5 kg)
12639-001	Cage Nuts, #12-24, 25 pk., Black	1 lb (0.5 kg)
Baying Kit		
35069-X01	Cabinet-to-Cabinet, Black	3 lb (1.4 kg)
Floor Anchor Kits		
34587-001	Floor Anchor Brackets, Set of 4	4 lb (1.8 kg)
40604-003	Installation Kit, Concrete Slab	1 lb (0.5 kg)
Caster Kit		
35051-C01	Set of 4 Casters	21 lb (9.5 kg)
Grommets for Server Top Panel		
35021-000	3" (80 mm) Diameter Grommets, 1 Pair, Black	1 lb (0.5 kg)
Accessories		
35058-001	Hardware, M8 Drop-In Nut with Bolts	3 lb (1.4 kg)
34434-C01	Kit, 66" Power Strip Bracket	5 lb (2.3 kg)

Baying/Spacer Kit

Bay and align 23.6"W (600 mm) cabinets over 24"W access floor tiles.

P/N 35068-X00

Part Number	Description	Shipping Weight
35068-X00	23.6" (600 mm) on 24" Tile, 24 RMU	7 lb (3.2 kg)
35068-X01	23.6" (600 mm) on 24" Tile, 36 RMU	9 lb (4.1 kg)
35068-X02	23.6" (600 mm) on 24" Tile, 42 RMU	10 lb (4.5 kg)
35068-X03	23.6" (600 mm) on 24" Tile, 43 RMU	10 lb (4.5 kg)
35068-X04	23.6" (600 mm) on 24" Tile, 44 RMU	10 lb (4.5 kg)
35068-X05	23.6" (600 mm) on 24" Tile, 45 RMU	10 lb (4.5 kg)
35068-X06	23.6" (600 mm) on 24" Tile, 46 RMU	10 lb (4.5 kg)
35068-X07	23.6" (600 mm) on 24" Tile, 47 RMU	10 lb (4.5 kg)
35068-X08	23.6" (600 mm) on 24" Tile, 48 RMU	10 lb (4.5 kg)
35068-X09	23.6" (600 mm) on 24" Tile, 49 RMU	10 lb (4.5 kg)
35068-X10	23.6" (600 mm) on 24" Tile, 50 RMU	11 lb (5.0 kg)
35068-X11	23.6" (600 mm) on 24" Tile, 51 RMU	11 lb (5.0 kg)

X=color: C=Black, D=Signature Blue, E=Glacier White, F=Steel Gray

THERMAL MANAGEMENT

Thermal management is one of the greatest challenges in the data center today. The F-Series TeraFrame equipped with CPI Passive Cooling® Solutions helps you use the cold air you have more effectively by directing it through equipment where it is needed most. Combine perforated front and rear doors and solid side panels with an Air Dam Kit or Internal Air Duct and Snap-In Filler Panels for maximum effect in a hot aisle/cold aisle layout. Go beyond hot aisle/cold aisle with a solid rear door, Air Dam Kit and Vertical Exhaust Duct for high heat density loads. CPI Passive Cooling Solutions work in slab and access floor environments.

Vertical Exhaust Duct System Components

Upgrade your F-Series TeraFrame cabinet to a ducted exhaust cabinet by adding the Vertical Exhaust Duct System Components necessary to isolate and guide hot air out of the top of the cabinet. Combine the Vertical Exhaust Duct System Components with an Air Dam Kit and Snap-In Filler Panels in a cabinet with a perforated front door, solid side panels and a solid rear door to create front-to-top airflow through the duct. Connect the duct to a drop ceiling plenum to isolate the hot air return path and keep the room and equipment cooler.

- F-Series TeraFrame Cabinets 41.3"D (1050 mm) to 47.2"D (1200 mm) equipped with a Server Top Panel include a field removable knockout for use with a Vertical Exhaust Duct.
- Order the individual components separately to match your application requirements (Vertical Exhaust Duct, Airflow Director and a Rear Door Sealing Kit)
- Vertical Exhaust Duct telescopes to match ceiling height and has gaskets along the top edge to create a seal around the opening in the drop ceiling; two height ranges are available; short (P/N 34370-C00) and tall (P/N 34370-C01)
- Airflow Director (P/N 34570-C00) causes hot server exhaust air to flow upward from the base of the cabinet to the top of the cabinet
- Rear Door Sealing Kit (P/N 34573-000) seals the space between the solid rear door and the cabinet frame so hot air does not escape, but flows upward toward the duct

For best results, use the Vertical Exhaust Duct System Components on cabinets configured with a perforated front door, solid side panels, a solid rear door, an Air Dam Kit and Snap-In Filler Panels.

Part Number	Description	Shipping Weight
34370-C00	Vertical Exhaust Duct, 20"-34"H (508 mm - 863 mm)	31 lb (14.1 kg)
34370-C01	Vertical Exhaust Duct, 34"-60"H (863 mm - 1523 mm)	51 lb (23.1 kg)

Part Number	Description	Shipping Weight
34570-C00	Airflow Director	7 lb (3.2 kg)

P/N 34570-C01

Part Number	Description	Shipping Weight
34573-000	Rear Door Sealing Kit	4 lb (1.8 kg)

Snap-In Filler Panel

Panels block airlflow through open spaces between equipment to help keep hot air at the back of the cabinet. Snap-In Filler Panels fit square-punched equipment mounting rails. UL Listed.

Part Number	Description	Shipping Weight
34537-000	19"W x 1 RMU, Black	1 lb (0.5 kg)
34538-000	19"W x 2 RMU, Black	2 lb (0.9 kg)
34537-001	19"W x 1 RMU, Black, 6 Each	4 lb (1.8 kg)
34538-001	19"W x 2 RMU, Black, 6 Each	4 lb (1.8 kg)

Air Dam Kit

Use with Snap-In Filler Panels to block airflow around the top, bottom and sides of equipment. Requires a front rail setback of 1.7" (43 mm). UL Listed.

Part Number	Description	Shipping Weight
34521-X02	For 42 RMU Cabinets	11 lb (5.0 kg)
34521-X03	For 43 RMU Cabinets	12 lb (5.4 kg)
34521-X04	For 44 RMU Cabinets	12 lb (5.4 kg)
34521-X05	For 45 RMU Cabinets	12 lb (5.4 kg)
34521-X06	For 46 RMU Cabinets	12 lb (5.4 kg)
34521-X07	For 47 RMU Cabinets	12 lb (5.4 kg)
34521-X08	For 48 RMU Cabinets	12 lb (5.4 kg)
34521-X09	For 49 RMU Cabinets	12 lb (5.4 kg)
34521-X10	For 50 RMU Cabinets	13 lb (5.9 kg)
34521-X11	For 51 RMU Cabinets	13 lb (5.9 kg)

X=color: C=Black, D=Signature Blue, E=Glacier White, F=Steel Gray. Not available for 24 RMU and 36 RMU cabinets.

Internal Air Duct

A passive duct (no fans) that moves additional cold air, up to 210 CFM at .1" of water (356 CMH at .02 kPa), from below the access floor to the top half of the cabinet to reduce hot spots in medium and high-density applications. Adjustable doors direct air to the front of equipment. The duct also blocks airflow around equipment so a separate Air Dam Kit is not required. Includes square-punched rails for the front of the cabinet that reduce front-to-rear rail-to-rail depth by 2.5" (64 mm). The depth of the frame must be at least 39.4" (1000 mm) if used with side panels. UL Listed.

Part Number	Description	Shipping Weight
34470-C02	For 42 RMU Cabinets, Black	61 lb (27.7 kg)
34470-C03	For 43 RMU Cabinets, Black	62 lb (28.1 kg)
34470-C04	For 44 RMU Cabinets, Black	63 lb (28.6 kg)
34470-C05	For 45 RMU Cabinets, Black	64 lb (29.0 kg)
34470-C06	For 46 RMU Cabinets, Black	65 lb (29.5 kg)
34470-C07	For 47 RMU Cabinets, Black	66 lb (29.9 kg)
34470-C08	For 48 RMU Cabinets, Black	67 lb (30.4 kg)
34470-C09	For 49 RMU Cabinets, Black	68 lb (30.8 kg)
34470-C10	For 50 RMU Cabinets, Black	69 lb (31.3 kg)
34470-C11	For 51 RMU Cabinets, Black	69 lb (31.3 kg)

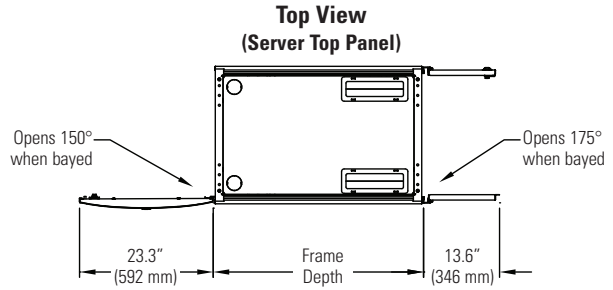*Notes: Uses the bottom 2 RMU in the cabinet. Not available for 24 RMU and 36 RMU cabinets.*

Use on access floors only in cabinets without casters.
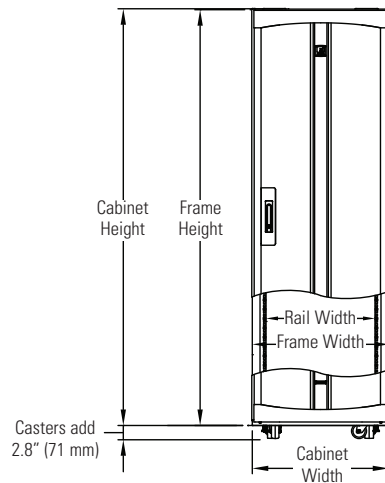
DIMENSIONS

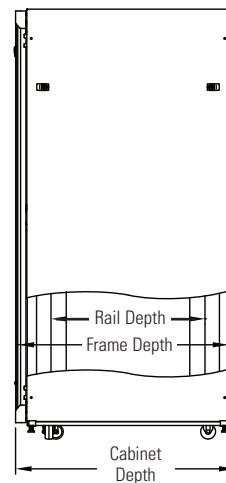**See Height, Width and Depth tables under Ordering Information on page 2.**

Notes:
1. Cabinet Height, Width and Depth include top panel, side panels and doors.
2. Frame Height, Width and Depth do not include top panel, side panels and doors.
3. Rail Height is the number of RMU on the mounting rails.
4. Rail Width is the rack-mount width of the included equipment mounting rails.
5. Rail Depth is the maximum rail-to-rail depth within the cabinet.
*6. **Rails must be setback when accessories are added. This will reduce rail-to-rail depth. See the worksheet below to determine cabinet depth or use the online CPI Product Configurator at www.chatsworth.com/configurator.***

Top View
(Server Top Panel)

Opens 150° when bayed

Opens 175° when bayed

23.3" (592 mm) Frame Depth 13.6" (346 mm)

Front View

Cabinet Height Frame Height

Rail Width
Frame Width

Casters add 2.8" (71 mm)

Cabinet Width

Side View

Rail Depth
Frame Depth

Cabinet Depth

Determine Cabinet Depth

Fill in the worksheet below to determine the required minimum depth of your cabinet/frame.

1. Determine what equipment and accessories you will use in the cabinet.

2. List the **Depth** of the deepest piece of equipment in the cabinet.

_____

3. List the deepest **Rail Setback** at front of cabinet (see the table at right).

_____

4. List the deepest **Rail Setback** at rear of cabinet (see the table at right).

_____

5. Add the values above.

_____

6. Select a cabinet from the ordering table on page 2 that has a **Rail Depth** equal to or greater than the result.

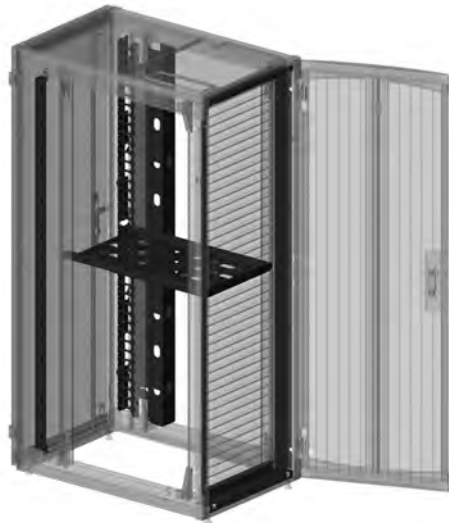| Required Mounting Rail Setbacks for F-Series TeraFrame™ Accessories		
Accessory	**Location**	**Rail Setback**
Air Dam Kit	Front	1.7" (43 mm)
Internal Air Duct	Front	2.5" (64 mm)
Airflow Director	Rear	8.7" (221 mm)
Vertical Cable Manager w/Short Fingers	Front/Rear	4.5" (114 mm)
Dual Vertical Power Strip Manager	Rear	6.3" (160 mm)
Quad Veritcal Power Strip Manager	Rear	8.7" (221 mm)
Narrow Vertical Power Cord Manager	Rear	6" (152 mm)
Wide Vertical Power Cord Manager	Rear	11" (279 mm)

Notes:
1. Vertical Cable Managers cannot be used in the front of the cabinet when Air Dam Kit or Internal Air Duct are used in the front of the cabinet.
2. When Internal Air Duct is used in a cabinet with installed side panels, the frame must be a minimum of 39.4"D (1000 mm).
3. When a Vertical Cable Manager is used with Airflow Director or Quad Vertical Power Strip Manager in a cabinet with installed side panels, the frame must be a minimum of 34.4"D (875 mm).
4. When a Vertical Cable Manager is used with Wide Vertical Power Cord Manager in a cabinet with installed side panels, the frame must be a minimum of 39.4"D (1000 mm).
5. Vertical Exhaust Duct System includes an Airflow Director.

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CABLE MANAGEMENT

Organizing cables is critical to maintaining equipment because organized cables can be easily traced during a move, add or change and do not block airflow through equipment. The F-Series TeraFrame has specialized network and power cable managers that keep power and network cables separated. The Vertical Cable Manager features patented T-shaped cable guides and openings that align with each RMU on the cabinet's equipment mounting rail. The Vertical Power Manager creates a space for one, two or four CPI power strips and has tie points for power cords.

Vertical Power Strip Manager

Create a separate pathway specifically for two or four CPI power strips along the side of the cabinet. Supports CPI Vertical Power Strips for Cabinets (P/N 128XX-XXX, 131XX-XXX and 132XX-XXX). Attaches to the cabinet frame and adjusts in depth to match equipment. The Dual Vertical Power Strip Manager is C-shaped, 4.3"W x 1"D (110 mm x 25 mm), requires a 6.3" (160 mm) rail setback and supports two CPI power strips. The Quad Vertical Power Strip Manager is S-shaped, 8.4"W x 1.7"D (213 mm x 43 mm), requires an 8.7" (221 mm) rail setback and supports four CPI power strips. See diagram at left. UL Listed.

Part Number		Description	Shipping Weight[1]
Dual	Quad		
34595-C01	34596-C01	For 36 RMU Cabinets, Black	14 lb (6.4 kg)
34595-C02	34596-C02	For 42 RMU Cabinets, Black	14 lb (6.4 kg)
34595-C03	34596-C03	For 43 RMU Cabinets, Black	15 lb (6.8 kg)
34595-C04	34596-C04	For 44 RMU Cabinets, Black	15 lb (6.8 kg)
34595-C05	34596-C05	For 45 RMU Cabinets, Black	15 lb (6.8 kg)
34595-C06	34596-C06	For 46 RMU Cabinets, Black	15 lb (6.8 kg)
34595-C07	34596-C07	For 47 RMU Cabinets, Black	16 lb (7.3 kg)
34595-C08	34596-C08	For 48 RMU Cabinets, Black	16 lb (7.3 kg)
34595-C09	34596-C09	For 49 RMU Cabinets, Black	16 lb (7.3 kg)
34595-C10	34596-C10	For 50 RMU Cabinets, Black	16 lb (7.3 kg)
34595-C11	34596-C11	For 51 RMU Cabinets, Black	17 lb (7.7 kg)

Note: The 36 RMU versions (-C01) will only support 38.5" high vertical power strips. 1. Shipping weights are for quad manager.

Vertical Power Cord Manager

Creates a separate pathway specifically for CPI power strips and power cords along the side of the cabinet. Supports CPI Vertical Power Strips for Cabinets (P/N 128XX-XXX, 131XX-XXX and 132XX-XXX). Attaches to the cabinet frame and adjusts in depth to match equipment. The narrow manager is L-shaped, 2.5"W x 2.5"D (63 mm x 63 mm), requires a 6" (152 mm) rail setback and supports a single CPI power strip. The wide manager is C-shaped, 8"W x 2"D (203 mm x 51 mm), requires an 11" (279 mm) setback and supports two CPI power strips. See diagram. UL Listed.

Part Number		Description	Shipping Weight[1]
Narrow	Wide		
34581-C42	34582-C42	For 42 RMU Cabinets, Black	15 lb (6.8 kg)
34581-C43	34582-C43	For 43 RMU Cabinets, Black	16 lb (7.3 kg)
34581-C44	34582-C44	For 44 RMU Cabinets, Black	16 lb (7.3 kg)
34581-C45	34582-C45	For 45 RMU Cabinets, Black	16 lb (7.3 kg)
34581-C46	34582-C46	For 46 RMU Cabinets, Black	16 lb (7.3 kg)
34581-C47	34582-C47	For 47 RMU Cabinets, Black	16 lb (7.3 kg)
34581-C48	34582-C48	For 48 RMU Cabinets, Black	17 lb (7.7 kg)
34581-C49	34582-C49	For 49 RMU Cabinets, Black	17 lb (7.7 kg)
34581-C50	34582-C50	For 50 RMU Cabinets, Black	17 lb (7.7 kg)
34581-C51	34582-C51	For 51 RMU Cabinets, Black	17 lb (7.7 kg)

1. Shipping weights are for wide manager.

Power Strip Mounting Bracket Kit

Attach non-CPI power strips or PDUs to the Wide Vertical Power Cord Manager with this hardware kit. UL Listed.

Part Number	Description	Shipping Weight
34407-C01	Mounting Bracket, Black	4 lb (1.8 kg)

Rack-Mount Cable Shelf

This 19"W x 1 RMU shelf extends 22" (558 mm) to 40" (1016 mm) and has brush openings for cables along the front panel. Use with Air Dam Kit or Internal Air Duct to create a front-to-back pathway for cables without compromising the critical one-way airflow through the cabinet. The shelf also provides slack management for fiber patch cords. The front of the shelf has one large 6"W x .7"H (152 mm x 18 mm) opening and two smaller 3"W x .7"H (76 mm x 18 mm) openings. Openings have a total cable pass-through area of 8 in² (.005 m²). UL Listed.

Estimated Capacity (50% fill)		
Cat 5e	Cat 6	Cat 6a
52	33	20

Part Number	Description	Shipping Weight
13517-701	19"W x 1 RMU, Black	17 lb (7.7 kg)

Power Cord Management Kit

Add to the Wide Vertical Power Cord Manager to take up power cable slack. Includes six cable spools and six Saf-T-Grip® Cable Management Straps. UL Listed.

Part Number	Description	Shipping Weight
34413-C01	6 Spools, 6 Saf-T-Grip Straps, Black	2 lb (0.9 kg)

Vertical Cable Manager

Attaches to the equipment mounting rail and adjusts with equipment along the side of the cabinet. T-shaped cable fingers guide cables into each RMU. The Vertical Cable Manager is .76"W x 9.3"D (19 mm x 236 mm), has an interior area of 7.1 in² (.004 m²) and requires a minimum rail setback of 4.5" (115 mm). UL Listed.

Part Number	Description	Shipping Weight
34416-C01	For 24 RMU Cabinets, Black	5 lb (2.3 kg)
34417-C01	For 36 RMU Cabinets, Black	8 lb (3.6 kg)
34418-C01	For 42 RMU Cabinets, Black	10 lb (4.5 kg)
34419-C01	For 43 RMU Cabinets, Black	10 lb (4.5 kg)
34420-C01	For 44 RMU Cabinets, Black	10 lb (4.5 kg)
34421-C01	For 45 RMU Cabinets, Black	10 lb (4.5 kg)
34422-C01	For 46 RMU Cabinets, Black	11 lb (5.0 kg)
34423-C01	For 47 RMU Cabinets, Black	11 lb (5.0 kg)
34424-C01	For 48 RMU Cabinets, Black	11 lb (5.0 kg)
34425-C01	For 49 RMU Cabinets, Black	11 lb (5.0 kg)
34426-C01	For 50 RMU Cabinets, Black	12 lb (5.4 kg)
34427-C01	For 51 RMU Cabinets, Black	12 lb (5.4 kg)

Estimated Capacity (50% fill)		
Cat 5e	Cat 6	Cat 6a
46	30	18

Note: When used with side panels, maximum rail setback is half of the frame depth minus 8.4" (213 mm).

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