Modular Rack Cabinet System
C2 Series

Find detailed drawings online at:
www.hammondmfg.com

Data Communication Infrastructure
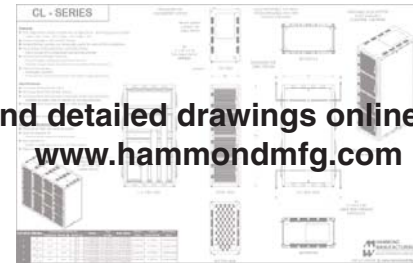
Application
- The C2 Rack Cabinet Series provides users with a generous amount of flexibility for electronic, test and measurement as well as entry level computer room applications.
- Standard C2 assemblies provide easy-ordering for common applications (visit our website at www.hammondmfg.com for assembled "Rapid Rack" options). For a more application specific solution, specifiers can mix and match standard components.
- Special colors, sizes or other modifications available from the factory.

Features
- Available in height from 20U to 49U
- Available depth of up to 36 inches
- Cabinet frame features an open-top design supporting optional solid and vented top panels, as well as a selection of fan tops capable of to 550 CFM
- EIA-compliant mounting rails are sold in pairs and are available with either tapped or square-hole design
- Rails feature rack unit markings for easy equipment installation
- Infinite rail depth setting using C-channel struts
- Door options include solid, louvered, Acrylic (with and without side venting)
- Doors include lockable latch, magnetic catch and spring loaded hinge pins for instant installation or removal

Construction
- Fully-welded 14-gauge steel frame with a weight-load rating of 1,500 lbs
- Four (4) leveling feet are included with support for optional casters
- Grounding studs provided on frame as well as side panels and doors
- Mounting rails are zinc plated for superior grounding
- Doors fabricated of 16 gauge steel

Accessories
- Power Bars...*see page* **444**
- Hardware...*see page* **432**
- Shelves...*see page* **425**
- Panels...*see page* **426**
- Cable Managers...*see page* **426**

Finish
- Cabinet components (and many accessories) are finished in textured powder paint.
- Standard stock colours include black and Light Gray.

Technical references and CAD downloads available at www.hammondmfg.com   All dimensions in inches unless specified otherwise

Modular Data Center Cabinet System
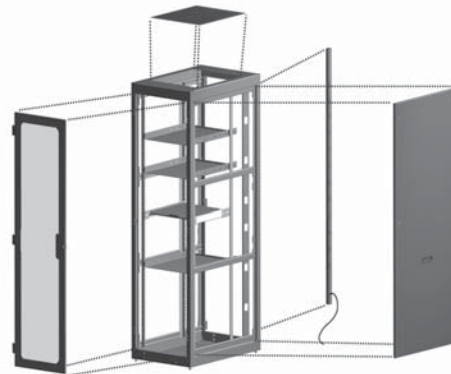### C2 Series

SAVE TIME ONLINE, BUILD YOUR CABINET ONLINE USING Q-ASSEMBLY. www.q-assembly.com	23" Overall Width (19" mounting)		
	40U 77.31" Overall Ht.	**45U** 86.06" Overall Ht.	**49U** 93.06" Overall Ht.
Step 1 **Frame** 23.6" Deep Frame (Usable depth = 21.6")	C2F197023BK1	C2F197823BK1	C2F198523BK1
31.5" Deep Frame (Usable depth = 29.5")	C2F197031BK1	C2F197831BK1	C2F198531BK1
36" Deep Frame (Usable depth = 34")	C2F197036BK1	C2F197836BK1	C2F198536BK1
42" Deep Frame (Usable depth = 40")	Available as Special Order or see C4 Series.		
Looking for a specific size not listed above? *Please ask your Hammond rep about our modification services.*			
Step 2 **19" Mounting Rails** Standard Tapped 10-32 Rails (Pair)	CCR70TZPL	CCR78TZPL	CCR85TZPL
Standard Square Hole Rails (Pair)	CPR70SZPL	CPR78SZPL	CPR85SZPL
All C2 Rails are Zinc Plated and are stamped with rack unit spacing.			
Step 3 **Side Panels** 23.6" Solid Side Panels (Pair)	CSP7023BK1	CSP7823BK1	CSP8523BK1
31.5" Solid Side Panels (Pair)	CSP7031BK1	CSP7831BK1	CSP8531BK1
36" Solid Side Panels (Pair)	CSP7036BK1	CSP7836BK1	CSP8536BK1
Step 4 **Doors** Solid Door	CDF1970SBK1	CDF1978SBK1	CDF1985SBK1
Louvered Door	CDF1970LBK1	CDF1978LBK1	CDF1985LBK1
Perforated Door 51% F. A. R.	CDF1970VBK1	CDF1978VBK1	n/a
Tinted Acrylic Door with Venting	CDF1970VPBK1	CDF1978VPBK1	n/a
Tinted Acrylic Door	C2DF1970PBK1	C2DF1978PBK1	C2DF1985PBK1
Step 5 **Top Panels** 23.6" Solid Top Panel	C2T1923SBK1	C2T1923SBK1	C2T2423SBK1
31.5" Solid Top Panel	C2T1931SBK1	C2T1931SBK1	C2T2431SBK1
36" Solid Top Panel	C2T1936SBK1	C2T1936SBK1	C2T2436SBK1
23.6" Vented Top Panel	C2T1923VBK1	C2T1923VBK1	C2T2423VBK1
31.5" Vented Top Panel	C2T1931VBK1	C2T1931VBK1	C2T2431VBK1
36" Vented Top Panel	C2T1936VBK1	C2T1936VBK1	C2T2436VBK1
23.6" Fan Top Panel (4 or 6 holes)	C2T1923FBK1	C2T1923FBK1	C2T2423FBK1
31.5" Fan Top Panel (4 or 6 holes)	C2T1931FBK1	C2T1931FBK1	C2T2431FBK1
36" Fan Top Panel (4 or 6 holes)	C2T1936FBK1	C2T1936FBK1	C2T2436FBK1
23.6" Fan Top Panel (4x 4.7" Fans)	C2T1923F4BK1	C2T1923F4BK1	C2T2423F4BK1
31.5" Fan Top Panel (4x 4.7" Fans)	C2T1931F4BK1	C2T1931F4BK1	C2T2431F4BK1
36" Fan Top Panel (4x 4.7" Fans)	C2T1936F4BK1	C2T1936F4BK1	C2T2436F4BK1
23.6" Fan Top Panel (1x 10" Fan)	C2T1923F10BK1	C2T1923F10BK1	C2T2423F10BK1
31.5" Fan Top Panel (1x 10" Fan)	C2T1931F10BK1	C2T1931F10BK1	C2T2431F10BK1
36" Fan Top Panel (1x 10" Fan)	C2T1936F10BK1	C2T1936F10BK1	C2T2436F10BK1
Step 6 **Bottom Panel** 23.6" Solid Bottom Panel	C2BPS1923BK1	C2BPS1923BK1	C2BPS1923BK1
31.5" Solid Bottom Panel	C2BPS1931BK1	C2BPS1931BK1	C2BPS1931BK1
36" Solid Bottom Panel	C2BPS1931BK1	C2BPS1931BK1	C2BPS1931BK1
Step 7 **Vertical Manager** Vertical Open Tray (each)	VCT70	VCT78	N/A
Vertical Cable Manager w/Door (each)	VCMDS70BK1	VCMDS78BK1	N/A
Looking for other cable manager solutions? Contact your local Hammond representative.			
Step 8 **Misc Hardware** Casters (Set of 4) 1000lb capacity	1425BH	1425BH	1425BH
Baying Kit	CGH01	CGH01	CGH01
Grounding Kit	GRDKIT02	GRDKIT02	GRDKIT02
10-32 Black Screws w/washers (100 pack)	H1032BK100	H1032BK100	H1032BK100
10-32 Cage Nuts (100 pack)	1421CNA100	1421CNA100	1421CNA100

Data Communication Infrastructure

Technical references and CAD downloads available at www.hammondmfg.com   All dimensions in inches unless specified otherwise

Modular Data Center Cabinet System
C4 Series

**Find detailed drawings online at:
www.hammondmfg.com**

<div style="writing-mode: vertical">**Data Communication Infrastructure**</div>

Application
- The wider and deeper C4 Rack Cabinet Series provides users with maximum amount of flexibility for data center applications.
- Multiple features addressing thermal performance make C4 an ideal choice in high heat load environments.
- Standard C4 assemblies provide easy-ordering for common applications. For a more application specific solution, specifiers can mix and match standard components.
- Special colors, sizes or other modifications available from the factory.

Standards
- Structural integrity of the standard C4 frame design meets Seismic UBC Zone-4 certification.

Features
- 30" wide C4 has generous cabling space, four (3.5" wide) cable entry holes on the top, support for up to four optional 4"-deep vertical cable managers, and an open base for easy cable access from raised-tile sub-floors
- EIA-compliant mounting rails are sold in pairs and are available with either tapped or square-hole design
- Cabinet frame features an open-top design supporting optional solid/vented top panels, as well as fan tops capable of up to 550 CFM
- Cabinets come standard with an open base design to allow for cable entry and cold-air supply in raised-tile-floor installations
- Rails feature rack unit markings for easy equipment installation
- Infinite rail depth setting using C-channel struts
- Rails for 30" wide unit have cable-tie support and pass-through hole
- Door options include solid, Acrylic and perforated.
- Perforated doors are offered in single and split door. Split doors can save valuable working space when accessing the back of the cabinet.
- Perforated doors for both front and back of the cabinet are suggested for most server applications.
- Doors include lockable latch, magnetic catch and spring loaded hinge pins for instant installation or removal

Construction
- Fully-welded 14-gauge steel frame with heavy-duty struts contributing to a weight-load rating of 2000 lbs
- Four (4) leveling feet are included with support for optional casters
- Grounding studs provided on frame as well as side panels and doors
- Mounting rails are zinc plated for superior grounding
- Doors fabricated of 16 gauge steel

Accessories
- Vertical cable trays are available for both 24" and 30"-Wide cabinets. 30" wide compatible versions feature magnetic-latching doors, and 3.5" wide x 4" deep cable space.
- Power Bars*...see page* **444**
- Hardware*...see page* **432**
- Shelves*...see page* **425**
- Panels*...see page* **426**
- Cable Managers*...see page* **426**

Finish
- Cabinet components (and many accessories) are finished in textured black powder paint.
- Standard stock color black.

Technical references and CAD downloads available at www.hammondmfg.com   All dimensions in inches unless specified otherwise

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Modular Data Center Cabinet System
C4 Series

SAVE TIME ONLINE, BUILD YOUR CABINET ONLINE USING Q-ASSEMBLY. www.q-assembly.com		24" Overall Width (19" Mounting)		30" Overall Width
		42U 80" Overall Ht.	44U 83.5" Overall Ht.	44U 83.5" Overall Ht.
Step 1 Frame		31.5" Deep Frame (Usable depth = 29.5")	C4F247331BK1	C4F247731BK1	C4F307731BK1
		36" Deep Frame (Usable depth = 34")	C4F247336BK1	C4F247736BK1	C4F307736BK1
		42" Deep Frame (Usable depth = 40")	C4F247342BK1	C4F247742BK1	C4F307742BK1
		48" Deep Frame (Usable depth = 46")	Special Order	Special Order	Special Order
		Looking for a specific size not listed above? *Please ask your Hammond rep about our modification services.*			
Step 2 19" Mounting Rails		Standard Tapped 10-32 Rails (Pair)	C4PR2473TZPL	C4PR2477TZPL	n/a
		Standard Square Hole Rails (Pair)	C4PR2473SZPL	C4PR2477SZPL	n/a
		Extra Wide Tapped Rails (Pair)	n/a	n/a	C4PR77TZPL
		Extra Wide Square Hole Rails (Pair)	n/a	n/a	C4PR77SZPL
		All C4 Rails are Zinc Plated and include a 25 pack of 10-32 screws and cage nuts.			
Step 3 Side Panels		31.5" Solid Side Panels (Pair)	C4SP7331SBK1	C4SP7731SBK1	C4SP7731SBK1
		36" Solid Side Panels (Pair)	C4SP7336SBK1	C4SP7736SBK1	C4SP7736SBK1
		42" Solid Side Panels (Pair)	C4SP7342SBK1	C4SP7742SBK1	C4SP7742SBK1
		31.5" Vented Side Panels (Pair)	C4SP7331VBK1	C4SP7731VBK1	C4SP7731VBK1
		36" Vented Side Panels (Pair)	C4SP7336VBK1	C4SP7736VBK1	C4SP7736VBK1
		42" Vented Side Panels (Pair)	C4SP7342VBK1	C4SP7742VBK1	C4SP7742VBK1
Step 4 Doors		Solid Door	C4DF2473SBK1	C4DF2477SBK1	C4DF3077SBK1
		Tinted Acrylic Door	C4DF2473PBK1	C4DF2477PBK1	C4DF3077PBK1
		Perforated Door 51% F. A. R.	C4DF2473VBK1	C4DF2477VBK1	C4DF3077VBK1
		Perforated Split Doors 51% F. A. R. (Pair)	C4BD2473VBK1	C4BD2477VBK1	C4BD3077VBK1
Step 5 Top Panels		31.5" Solid Top Panel	C2T1923SBK1	C2T1923SBK1	C2T2423SBK1
		36" Solid Top Panel	C2T1931SBK1	C2T1931SBK1	C2T2431SBK1
		42" Solid Top Panel	C2T1936SBK1	C2T1936SBK1	C2T2436SBK1
		31.5" Vented Top Panel	C2T1923VBK1	C2T1923VBK1	C2T2423VBK1
		36" Vented Top Panel	C2T1931VBK1	C2T1931VBK1	C2T2431VBK1
		42" Vented Top Panel	C2T1936VBK1	C2T1936VBK1	C2T2436VBK1
		31.5" Fan Top Panel (4 or 6 holes)	C2T1923FBK1	C2T1923FBK1	C2T2423FBK1
		36" Fan Top Panel (4 or 6 holes)	C2T1931FBK1	C2T1931FBK1	C2T2431FBK1
		42" Fan Top Panel (4 or 6 holes)	C2T1936FBK1	C2T1936FBK1	C2T2436FBK1
		31.5" Fan Top Panel (4x 4.7" Fans)	C2T1923F4BK1	C2T1923F4BK1	C2T2423F4BK1
		36" Fan Tapped Panel (4x 4.7" Fans)	C2T1931F4BK1	C2T1931F4BK1	C2T2431F4BK1
		42" Fan Top Panel (4x 4.7" Fans)	C2T1936F4BK1	C2T1936F4BK1	C2T2436F4BK1
		31.5" Fan Top Panel (1x 10" Fan)	C2T1923F10BK1	C2T1923F10BK1	C2T2423F10BK1
		36" Fan Top Panel (1x 10" Fan)	C2T1931F10BK1	C2T1931F10BK1	C2T2431F10BK1
		42" Fan Top Panel (1x 10" Fan)	C2T1936F10BK1	C2T1936F10BK1	C2T2436F10BK1
Step 6 Bottom Panel		31.5" Solid Bottom Panel	C4B2431SBK1	C4B2431SBK1	C4B3031SBK1
		36" Solid Bottom Panel	C4B2436SBK1	C4B2436SBK1	C4B3036SBK1
		42" Solid Bottom Panel	C4B2442SBK1	C4B2442SBK1	C4B3042SBK1
Step 7 Vertical Manager		Vertical Open Tray (each)	VCT73	VCT77	VCT77
		Vertical Cable Manager w/Door (each)	C4VCM73BK1	C4VCM77BK1	C4VCM77BK1
		Looking for a fingered, fiber or other manager? We may have models that may be ordered as a special.			
Step 8 Misc Hardware		Casters (Set of 4) 1000lb capacity	1425BH	1425BH	1425BH
		Baying Kit	CGH01	CGH01	CGH01
		Grounding Kit	GRDKIT02	GRDKIT02	GRDKIT02
		10-32 Black Screws w/washers (100 pack)	1421ABK100	1421ABK100	1421ABK100
		10-32 Cage Nuts (100 pack)	1421CNA100	1421CNA100	1421CNA100
		Seismic Bolt-Down Kit	C4K-Z4	C4K-Z4	C4K-Z4

Data Communication Infrastructure

Technical references and CAD downloads available at www.hammondmfg.com   All dimensions in inches unless specified otherwise

Data Center Cabinet Assembly
DC100 Series

Shown with optional side panels.

Data Communication Infrastructure

Application
- The Hammond Data Center 100 (DC100) was designed for Server, Network and Data Storage applications. DC100 cabinets feature an array of enhancements over traditional cabinets, with cooling performance and enhanced security features demanded by today's IT manager.

Standards
- Structural integrity of the standard DC100 frame design meets Seismic UBC Zone-4 certification.

Features
- The DC100 series cabinets are offered in two capacities, 42U spaces and 24U spaces. A standard overall width of 24" allow cabinets to side or bay together matching standard 2ft floor tile placement, optimizing subfloor cable and cold-air access without conflict. Overall depth of 42" but can be modified up to 48" to provide support for deep server dimensions while providing additional space for cable management.

- The top of the DC100 includes two (2) 3.5" diameter cable entry holes and one (1) 18 x 3" rectangle cable entry (comes with solid filler panel).
- Open frame bottom allows raised tile floor cable and air access. Also includes a removable rear gland plate for floor-level cable entry. One (1) vertical cable tray included.
- Includes two (2) pair of 19" mounting EIA-310-D compliant square-hole design feature U-markings. Infinite-depth setting using C-channel struts.
- Four (4) leveling feet are included with support for included recessed casters. Grounding studs provided on frame, side panels and doors. Side panels are only included with the 24U model. Side panels are sold separately for 42U model.
- Doors include front and rear enhanced locking handles that include a 2-point locking mechanism. Front perforated door offers 65% airflow. Split rear perforated doors offers 65% airflow.
- Perforated doors for front and rear of the cabinet are suggested for most server applications. DC100 cabinet frame features an open-top design supporting optional solid and vented top panels, as well as a selection of fan tops capable of up to 550CFM.

Construction
- The DC100 features a fully-welded 14-gauge steel frame with heavy-duty struts contributing to a weight-load rating of 2000 lbs.
- Rails are fabricated of heavy duty 12 gauge steel, zinc-plated for superior grounding.
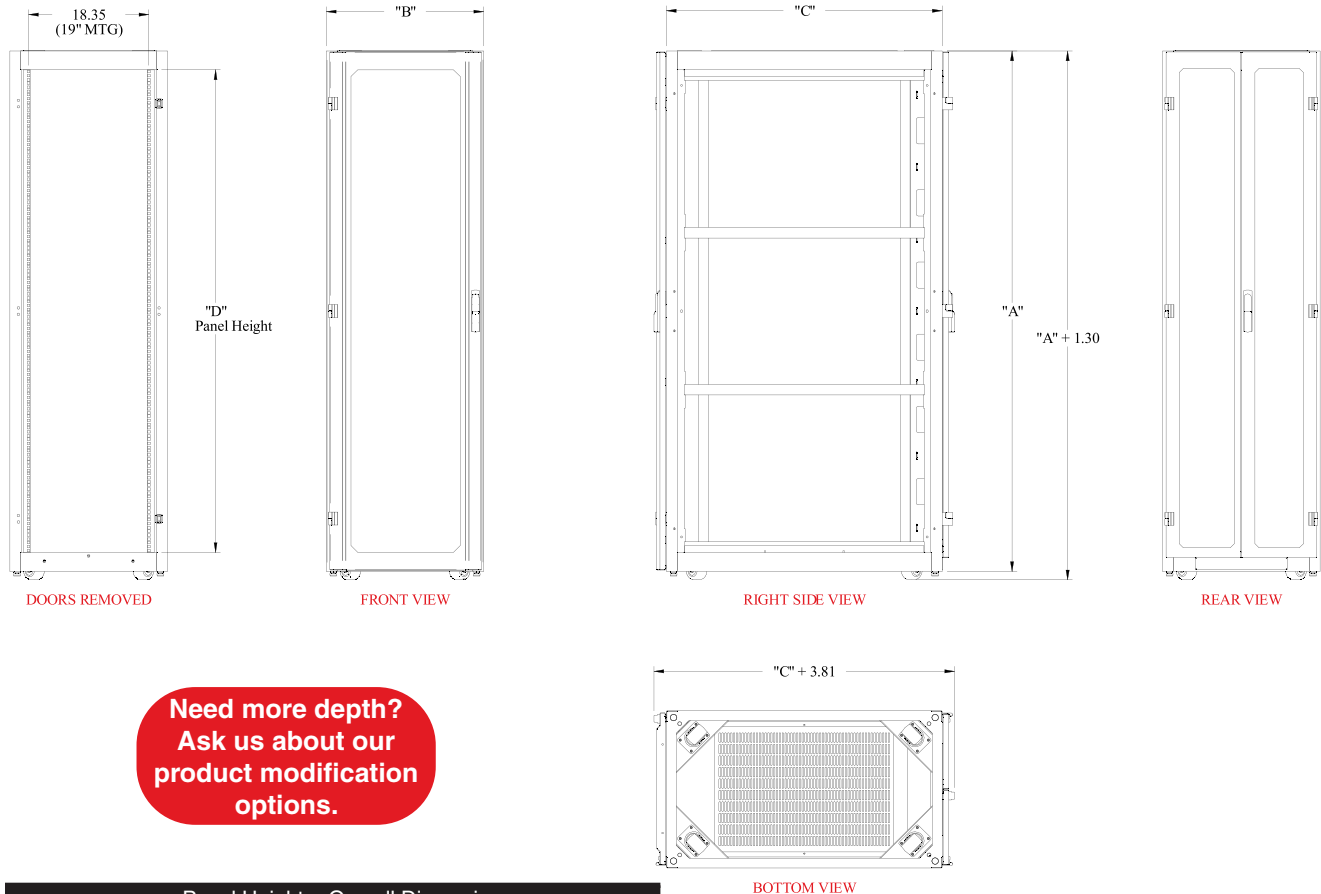
Accessories
- Electronic Handle - Upgrade your handles to our new electronic controlled handle with key override.
- Manage access using your SNMP smart PDU now available from Hammond Mfg. Ask your Hammond rep for details.
- Power Bars...*see page* **444**
- Hardware...*see page* **432**
- Shelves...*see page* **425**
- Panels...*see page* **426**
- Cable Managers...*see page* **426**

Finish
- Rugged textured black powder paint

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Data Center Cabinet Assembly
DC100 Series

Data Communication Infrastructure

TOP VIEW

18.35
(19" MTG)

"B"

"D"
Panel Height

"C"

"A"

"A" + 1.30

DOORS REMOVED

FRONT VIEW

RIGHT SIDE VIEW

REAR VIEW

**Need more depth?
Ask us about our
product modification
options.**

"C" + 3.81

BOTTOM VIEW

Part No.	Panel Height Inches	Units	Overall Dimensions Width	Depth	Height w/ casters	Weight lbs.
DC1004242	73.5	42	24	42	80.6	205
DC1004224	42	24	24	42	49.1	210

Accessories:

Part No.	Description
DC100SP4242	DC100 42U Locking Side Panel Kit (includes 2 x panels)
DC10042RAIL	EXTRA pair of square-hole, vertical mounting rails 42U high
DC10024RAIL	EXTRA pair of square-hole, vertical mounting rails 24U high
DC100AD42	DC100 42U Air Dam Kit
DC100AD24	DC100 24U Air Dam Kit
DC100RHINGE	DC100 Right Hand Door Hinge
DC100ATIP	DC100 Stabilizer / Anti-tip Bracket
DCT42	DC Series 42U Vertical Cable Manager Tray
DCT24	DC Series 24U Vertical Cable Manager Tray
CGH01	Baying Hardware Kit (All Hammond Cabinets and Racks)
C4K-Z4	Seismic Bolt-Down Kit

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