

### CRA11001/CRA11002/CRA11003 CRA12001/CRA12002/CRA12003



## High-performance fans to enhance ventilation and protect your equipment from overheating

Ideal for increasing the ventilation of rack enclosures, the high performance Fans ensure high air flow efficiency in your rack systems. Long power cord and installation hardware are included for quick, easy and flexible installation. The Fans help prevent overheating, keeping an adequate temperature for rack equipment to maintain stable operation.

#### SERIES FEATURES

- High-performance Fans
- Installation Hardware Included
- Ideal for Increasing the Ventilation
- High Air Flow Efficiency
- Long Power Cord for Flexible Application

#### COMPATIBILITY

Model	Description	Compatibility		
		Rack Enclosures	Wall Mount Enclosures	4-Post Open Frame Racks
CRA11001	Roof-mounted fan panel, 6 x 110/120Vac fans, for 42" to 47" (1070mm-1200mm) deep enclosures; 580 CFM	v		
CRA12001	Roof-mounted fan panel, 6 x 208/240Vac fans, for 42" to 47" (1070mm-1200mm) deep enclosures; 480 CFM	v		
CRA11002	Wall mount roof fan kit, 2 x 110/120Vac cooling fans; 190 CFM		v	
CRA12002	Wall mount roof fan kit, 2 x 208/240Vac cooling fans; 160 CFM		v	
CRA11003	3U 19" fan panel, 3 x 110/120Vac cooling fans; 290 CFM	v	v	v
CRA12003	3U 19" fan panel, 3 x 208/240Vac cooling fans; 240 CFM	v	v	v

#### TECHNICAL SPECIFICATIONS

Model Name	CRA11001	CRA12001	CRA11002	CRA12002	CRA11003	CRA12003
Description	120V Roof Fan Panel	208/240V Roof Fan Panel	120V Wall Mount Roof Fan Kit	208/240V Wall Mount Roof Fan Kit	120V 3U Fan Panel	208/240V 3U Fan Panel
<b>Input</b>						
Nominal Input Voltage	110-120Vac	208-240Vac	110-120Vac	208-240Vac	110-120Vac	208-240Vac
Input Frequency	50/60Hz					
Plug Type	NEMA 5-15P	IEC C14	NEMA 5-15P	IEC C14	NEMA 5-15P	IEC C14
Power Cord Length (ft.)	6.5					
Power Cord Length (m.)	2					
Power On/Off Switch	Lighted On/Off Switch		-		Lighted On/Off Switch	
<b>Performance</b>						
Air Flow (CFM)	580	480	190	160	290	240
Installation	Hardware Included					
<b>Physical</b>						
Color	Black					
Fans (pcs)	6		2		3	
<b>Physical Size</b>						
Unit Dimensions (WxHxD) (in.)	14.57 X 2.76 X 22.83		4.72 x 1.50 x 4.72		18.87 x 5.22 x 1.57	
Unit Dimensions (WxHxD) (mm)	37.0 X 7.0 X 58.0		12.0 x 3.8 x 12.0		47.9 x 13.3 x 4.0	
Net Weight (lbs.)	12.6		2.69		5.5	
Net Weight (kg)	5.7		1.22		2.5	
<b>Shipping Dimensions</b>						
Dimensions (WxHxL) (in.)	15.0 x 3.1 x 23.2		6.3 x 2.4 x 15.0		2.4 x 5.7 x 19.5	
Dimensions (WxHxL) (mm)	38.0 x 8.0 x 59.0		16.0 x 6.0 x 38.0		6.0 x 14.5 x 49.5	
Weight (lbs.)	13.6		3		5.8	
Weight (kg)	6.2		1.4		2.6	
<b>Certifications</b>						
Certifications	CE					
Approvals	RoHS					

#All specifications are subject to change without notice.

CRA11001 / CRA12001



#### Roof Fan Panel

- For 42" to 47" (1070 to 1200mm) deep rack enclosure
- Lighted On/Off switch

CRA11003 / CRA12003



#### 3U Fan Panel

- For rack enclosures, wall-mount enclosures and open frame racks
- Lighted On/Off switch

CRA11002 / CRA12002



#### Wall Mount Roof Fan Kit

- For wall mount enclosures



CRA20001

#### 1U Blanking Panel Kit

- Install in unused rack space to prevent recirculation of warm air
- Ten (10) 19" 1U blanking panels
- Toolless mounting for quick installation

## Effective Air Flow Management to improve cooling efficiency, optimize airflow and prevent warm air recirculation

Ideal for improving the cooling efficiency of rack enclosures, the optimal Air Flow Management guarantees enhanced ventilation and prevents recirculation of warm air in rack enclosures. The Air Flow Management features easy and quick installation. The panel keeps dust and dirt away from your rack equipment, which helps maintain stable operation.



CRA30005

#### 1U Brush Panel Cable Manager

- Install in unused rack space to prevent recirculation of warm air
- A dense brush strip to route cables effectively

### COMPATIBILITY

Model	Description	Compatibility		
		Rack Enclosures	Wall Mount Enclosures	4-Post Open Frame Racks
CRA20001	19" 1U airflow management blanking panels, Toolless installation, 10pcs per pack	v	v	v
CRA30005	19" 1U brush panel cable manager	v	v	v

### TECHNICAL SPECIFICATIONS

Model Name	CRA20001	CRA30005
Description	1U Blanking Panel Kit	1U Brush Panel Cable Manager
<b>Performance</b>		
Installation	Toolless Mounting	Hardware Included
<b>Physical</b>		
Color	Black	
Material	Plastic	Cold Rolled Steel
Sets per Package	10	1
<b>Physical Size</b>		
Installed Rack Height	-	1U Horizontal Rackmount
Unit Dimensions (WxHxD) (in.)	18.98 x 1.73 x 1.14	18.98 x 1.73 x 0.47
Unit Dimensions (WxHxD) (cm)	48.2 x 4.4 x 2.9	48.2 x 4.4 x 1.2
Net Weight (lbs.)	2.45	0.62
Net Weight (kg)	1.11	0.28
<b>Shipping Dimensions</b>		
Dimensions (WxHxL) (in.)	12.8 x 2.6 x 19.9	2.2 x 1.2 x 19.5
Dimensions (WxHxL) (cm)	32.5 x 6.5 x 50.5	5.5 x 3.0 x 49.5
Weight (lbs.)	3.2	0.73
Weight (kg)	1.5	0.33
<b>Certifications</b>		
Approvals	RoHS	

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CRA30001/CRA30002/CRA30003/CRA30004  
CRA30005/CRA30006/CRA30007  
CRA30008/CRA30009/CRA30010



### A wide range of cable managers to keep IT environment clean and organized

Ideal for managing cable runs of the IT equipment, the easy-to-use cable managers can organize, separate or route cables, making sure everything is easy to access and identify. During system set-up, the cable managers can enable flexible expansion, simple reconfiguration and easy maintenance without worrying about navigating through the tangled cables.

#### HORIZONTAL CABLE MANAGERS



##### 1U Duct Cable Manager

- Snap-on cover for concealing cables
- Available in metal and plastic with different finger spacing for multiple applications
- CRA30002 is ideal for holding thicker cables



##### Ring Cable Manager

- CRA30004 for 1U Horizontal Mounting
- CRA30006 for 2U Horizontal Mounting



##### 1U Brush Panel Cable Manager

- A dense brush strip to route cables effectively
- Install in unused rack space to prevent recirculation of warm air

#### ROOF-MOUNTED CABLE MANAGERS

CRA30008



Cable Ladder on Open Frame Rack



Cable Ladder on Rack Enclosure

##### Cable Ladder

- Organize cables in and outside rack enclosures or open frame racks
- Split into two 5ft (1.5m) sections for flexible installation
- Pre-installed grounding stud for convenient grounding
- Use with Power Cable Trough (CRA30009) and Data Cable Partition (CRA30010) in a rack enclosure
- Toolless mounting for quick installation

CRA30009



##### Power Cable Trough

- Organize overhead cable runs in and outside rack enclosures
- Two sets of slots at different heights for cable ladder mounting
- Support different cable routing channels for wide applications
- Pre-installed grounding stud for convenient grounding
- Toolless mounting for quick installation

CRA30010



##### Data Cable Partitions

- Organize overhead cable runs in and outside rack enclosures
- Pre-installed grounding stud for convenient grounding
- Toolless mounting for quick installation

## VERTICAL CABLE MANAGERS



CRA30001

### 1.8m Vertical Duct Cable Manager

- Snap-on cover for concealing cables
- Split into two 3ft (0.9m) sections for flexible installation
- Toolless mounting for quick installation



CRA30007

### 1.8m Vertical Ring Cable Manager

- Ideal to hang vertical PDU for power distribution
- Split into two 3ft (0.9m) sections for flexible installation
- Toolless mounting for quick installation

## COMPATIBILITY

Model	Description	Compatibility		
		Rack Enclosures	Wall Mount Enclosures	4-Post Open Frame Racks
CRA30001	Vertical Duct Cable Manager with Cover, 2 x 0.9m Sections, Toolless Mounting	v		v
CRA30002	19" 1U Metal Duct Cable Manager with Cover	v	v	v
CRA30003	19" 1U Plastic Duct Cable Manager with Cover	v	v	v
CRA30004	19" 1U Flexible Ring Cable Manager	v	v	v
CRA30005	19" 1U Brush Panel Cable Manager	v	v	v
CRA30006	19" 2U Flexible Ring Cable Manager	v	v	v
CRA30007	Vertical Flexible Ring Cable Manager, 2 x 0.9m Sections, Toolless Mounting	v		v
CRA30008	3m Cable Ladder 3m, 2 x 1.5m Sections	v		v
CRA30009	Roof-mounted Power Cable Trough	v		
CRA30010	Roof-mounted Data Cable Partitions, 2 Partitions	v		

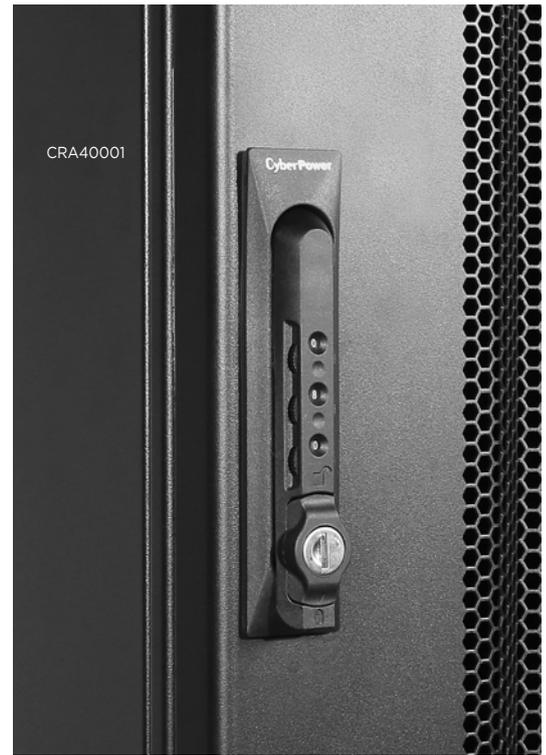
## TECHNICAL SPECIFICATIONS

Model Name	CRA30001	CRA30002	CRA30003	CRA30004	CRA30006	CRA30007
Description	1.8m Vertical Duct Cable Manager	1U Metal Duct Cable Manager	1U Plastic Duct Cable Manager	1U Ring Cable Manager	2U Ring Cable Manager	1.8m Vertical Ring Cable Manager
<b>Performance</b>						
Installation	Toolless Mounting	Hardware Included				Toolless Mounting
Flexible Application	-Split into Two Section Units -Snap-on Cover	Snap-on Cover		Flexible Rings		-Split into Two Section Units -Flexible Rings
<b>Physical</b>						
Material	Plastic and Cold Rolled Steel	Cold Rolled Steel	Plastic and Cold Rolled Steel			
<b>Physical Size</b>						
Installed Rack Height	Vertical Installation	1U Horizontal Rackmount			2U Horizontal Rackmount	Vertical Installation
Unit Dimensions (WxHxD) (in.)	2.36 x 34.00 x 1.91	18.98 x 1.77 x 2.87	19.00 x 1.73 x 2.40	19.00 x 1.72 x 3.76	19.02 x 3.46 x 3.78	3.45 x 34.00 x 1.91
Unit Dimensions (WxHxD) (cm)	6.0 x 86.4 x 4.9	48.2 x 4.5 x 7.3	48.3 x 4.4 x 6.1	48.3 x 4.4 x 9.6	48.3 x 8.8 x 9.6	8.8 x 86.4 x 4.8
Net Weight (lbs.)	4.3	1.06	1.31	0.75	1.41	3.28
Net Weight (kg)	1.95	0.48	0.59	0.34	0.64	1.49
<b>Shipping Dimensions</b>						
Dimensions (WxHxL) (in.)	6.3 x 2.5 x 36.1	3.7 x 3.1 x 20.2	3.7 x 3.1 x 20.2	5.3 x 3.0 x 21.5	5.3 x 4.7 x 21.5	4.9 x 2.2 x 35.6
Dimensions (WxHxL) (cm)	16.0 x 6.3 x 91.7	9.5 x 8.0 x 51.3	9.5 x 8.0 x 51.3	13.5 x 7.5 x 54.5	13.5 x 12.0 x 54.5	12.5 x 5.5 x 90.5
Weight (lbs.)	5	2.1	1.8	1.1	1.9	3.7
Weight (kg)	2.3	1	0.8	0.5	0.9	1.7
<b>Certifications</b>						
Approvals	RoHS					

Model Name	CRA30005	CRA30008	CRA30009	CRA30010
Description	1U Brush Panel Cable Manager	Cable Ladder	Power Cable Trough	Data Cable Partitions
<b>Performance</b>				
Installation	Hardware Included			Toolless Mounting
Flexible Application	-	Split into Two Section Units		Pass-through Face
<b>Physical</b>				
Material	Cold Rolled Steel			
Maximum Mounting Depth (in.)	-	118		-
Maximum Mounting Depth (cm)	-	300		-
<b>Physical Size</b>				
Installed Rack Height	1U Horizontal Rackmount		Mounting on top of rack enclosures	
Unit Dimensions (WxHxD) (in.)	18.98 x 1.73 x 0.47		11.89 x 1.26 x 59.06	22.44 x 7.09 x 18.11
Unit Dimensions (WxHxD) (cm)	48.2 x 4.4 x 1.2		30.2 x 3.2 x 150.0	57.0 x 18.0 x 46.0
Net Weight (lbs.)	0.62		16.7	8.4
Net Weight (kg)	0.28		7.6	3.8
<b>Shipping Dimensions</b>				
Dimensions (WxHxL) (in.)	2.2 x 1.2 x 19.5		3.9 x 13.4 x 60.6	18.9 x 7.9 x 23.6
Dimensions (WxHxL) (cm)	5.5 x 3.0 x 49.5		10.0 x 34.0 x 154.0	48.0 x 20.0 x 60.0
Weight (lbs.)	0.8		18.6	10.7
Weight (kg)	0.4		8.4	4.9
<b>Certifications</b>				
Approvals	RoHS			

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## 3-digit combination door locks with handles to enhance security and prevent unauthorized access

Designed to secure your IT environment with the appropriate protection, the 3-digit combination door locks allow users to discreetly guard the access to cabinets with either password or key. Facility managers can use a key to override the password when password is not available. Convenient features include pop-up handles, sturdy design and simple installation.

### SERIES FEATURES

- 2 Handles per Set
- Reversible Handle Direction for Different Door Orientations
- Key Override
- Installation Hardware Included

### COMPATIBILITY

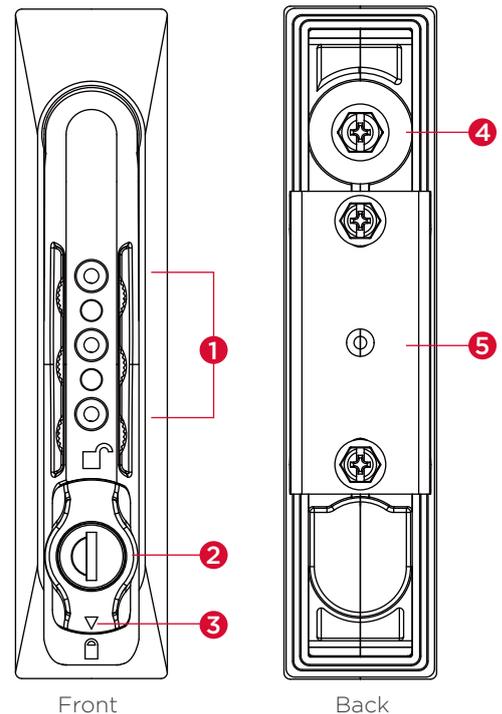
Model	Description	Compatibility		
		Rack Enclosures	Wall Mount Enclosures	4-Post Open Frame Racks
CRA40001	Combination Door Lock, 2 per pack	v		

### TECHNICAL SPECIFICATIONS

Model Name	CRA40001
Description	Combination Door Lock
<b>Physical</b>	
Color	Black
Sets per package	2
<b>Physical Size</b>	
Unit Dimensions (WxHxD) (in.)	1.42 x 6.30 x 1.77
Unit Dimensions (WxHxD) (cm)	3.6 x 16.0 x 4.5
Net Weight (lbs.)	0.93
Net Weight (kg)	0.42
<b>Shipping Dimensions</b>	
Dimensions (WxHxL) (in.)	4.7 x 2.2 x 8.7
Dimensions (WxHxL) (cm)	12.0 x 5.5 x 22.0
Net Weight (lbs.)	1.1
Net Weight (kg)	0.5
<b>Certifications</b>	
Approvals	RoHS

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### PRODUCT CALLOUTS



1. Combination Lock Dial
2. Wing Knob
3. Locked/Unlocked Position Arrow
4. Cam Washer
5. Screw Plate
6. Keys





### Durable and sturdy rack shelves for supporting IT equipment

Rack Shelves can be installed within any rack cabinets to add solid and flat surface for accommodating LCD monitors, keyboards, notebooks, tower units and other equipment. They feature simple installation with required mounting hardware included. The shelves are made of cold rolled steel with black finish to support a variety of heavy equipment. The products are also RoHS compliant to meet the environmental requirements.

#### SLIDING SHELVES



CRA50003

##### 1U Sliding Shelf

- 25.5" (650mm) shelf depth
- Adjustable mounting depth from 25.6" to 40" (650mm to 1014mm)
- 132lbs. (60kg) load capacity
- For mounting in a rack enclosure or a 4-post open frame rack



CRA50004

##### 1U Sliding Keyboard Shelf

- Designed for all standard 17 inch keyboards or for storage, with handle for convenience
- 19.6" (500mm) shelf depth
- Adjustable mounting depth from 21.6" to 39" (550mm to 990mm)
- 45lbs. (20kg) load capacity
- For mounting in a rack enclosure or a 4-post open frame rack

#### FIXED SHELVES



CRA50001

##### 2U Cantilever Shelf

- 13.8" (350mm) shelf depth
- 60lbs. (27kg) load capacity
- Designed for 2 post rack mounting
- Use two shelves back to back to create a deep fixed shelf in a 2-post open frame rack



CRA50002

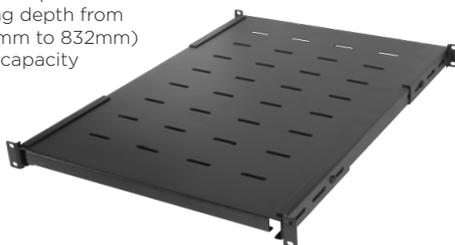
##### 1U Cantilever Shelf

- 13.8" (350mm) shelf depth
- 40lbs. (18kg) load capacity
- Designed for 2 post rack mounting
- Use two shelves back to back to create a deep fixed shelf in a 2-post open frame rack

CRA50005

##### 1U Heavy-duty Shelf

- 25.6" (650mm) shelf depth
- Adjustable mounting depth from 25.6" to 32.7" (650mm to 832mm)
- 175lbs. (80kg) load capacity
- For mounting in a rack enclosure



CRA50006

##### 1U Heavy-duty Depth-adjustable Shelf

- Unit depth adjustable from 20.7" to 40.0" (525mm to 1016mm)
- 135lbs. (60kg) load capacity
- For mounting in a 4-post open frame rack





## COMPATIBILITY

Model	Description	Compatibility		
		Rack Enclosures	Wall Mount Enclosures	4-Post Open Frame Racks
CRA50001	19" 2U Cantilever Shelf, 350mm Deep	v	v	v
CRA50002	19" 1U Cantilever Shelf, 350mm Deep	v	v	v
CRA50003	19" 1U Sliding Shelf, 650mm Deep	v		v
CRA50004	19" 1U Sliding Keyboard Shelf, 500mm Deep	v		v
CRA50005	19" 1U Heavy Duty Fixed Shelf, 650mm Deep, Mounting Depth Adjustable	v		
CRA50006	19" 1U Heavy Duty 558.8mm-1023mm Depth Adjustable Shelf			v

## TECHNICAL SPECIFICATIONS

Model Name	CRA50001	CRA50002	CRA50003	CRA50004	CRA50005	CRA50006
Description	2U Cantilever Shelf	1U Cantilever Shelf	1U Sliding Shelf	1U Sliding Keyboard Shelf	1U Heavy-duty Shelf	1U Heavy-duty Depth-adjustable Shelf
<b>Performance</b>						
Capacity (lbs.)	60	40	132	45	175	135
Capacity (kg)	27	18	60	20	80	60
Installation	Hardware Included					
<b>Physical</b>						
Color	Black					
Material	Cold Rolled Steel					
Vented	Yes			-		Yes
<b>Physical Size</b>						
Installed Rack Height	2U Horizontal Rackmount		1U Horizontal Rackmount			
Unit Dimensions (WxHxD) (in.)	19.02 x 3.44 x 13.78	19.02 x 1.69 x 13.78	19.09 x 2.36 x 25.59	19.02 x 1.73 x 19.69	19.09 x 1.69 x 25.59	19.09 x 1.73 x 20.6-40.00
Adjustable Mounting Depth (in.)	-	-	25.6 to 40	21.6 to 39	25.6 to 32.7	20.6 to 41.6
Unit Dimensions (WxHxD) (cm)	48.3 x 8.8 x 35.0	48.3 x 4.3 x 35.0	48.5 x 6.0 x 65.0	48.3 x 4.4 x 50.0	48.5 x 4.3 x 65.0	48.5 x 4.4 x 52.2-101.6
Adjustable Mounting Depth (cm)	-	-	65.0 to 101.4	55.0 to 99.0	65.0 to 83.2	52.2 to 105.6
Net Weight (lbs.)	4.12	3.66	19.9	12.7	12.1	15.1
Net Weight (kg)	1.87	1.66	9	5.8	5.5	6.9
<b>Shipping Dimensions</b>						
Dimensions (WxHxL) (in.)	14.6 x 3.3 x 19.7	14.6 x 2.2 x 19.7	3.3 x 20.3 x 26.4	3.3 x 23.0 x 23.8	2.4 x 20.3 x 26.4	2.6 x 20.5 x 20.7
Dimensions (WxHxL) (cm)	37.0 x 8.5 x 50.0	37.0 x 5.5 x 50.0	8.5 x 51.5 x 67.0	8.5 x 58.5 x 60.5	6.0 x 51.5 x 67.0	6.5 x 52.0 x 52.5
Net Weight (lbs.)	5.4	4.1	20.5	14.3	13.8	16.5
Net Weight (kg)	2.5	1.9	9.3	6.5	6.3	7.5
<b>Certifications</b>						
Approvals	RoHS					

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CRA60001

### M6 Cage Nut & Screw Hardware

- Install rack equipment in an EIA-310 compliant rack
- 50 sets per pack



CRA60004

### Stabilizer Kit

- Two stabilizer plates to increase stability of a rack enclosure

## Support easy rack accessory installation

The Rack Hardware is an accessory kit, designed to meet the installation requirements in numerous mounting configurations for racks. The product is compliant with the standard racks for back office, server rooms and data center applications. Its strong and sturdy material helps support a variety of equipment. The product is also RoHS compliant to meet the environmental requirements.



CRA60002

### 2" Caster Kit

- Enhance mobility for racks to roll into desired location
- Included for a rack enclosure



CRA60003

### Heavy-duty 3" Caster Kit

- Increase the rolling weight capacity for a rack enclosure, 4 casters per pack
- Include leveling feet and stabilization brackets for rack stability

## COMPATIBILITY

Model	Description	Compatibility		
		Rack Enclosures	Wall Mount Enclosures	4-Post Open Frame Racks
CRA60001	M6 Cage Nut And Screw Hardware, 50 per pack	v	v	v
CRA60002	2" Caster Kit, 4 per pack (Included with Rack Enclosures)	v	v	v
CRA60003	3" Heavy Duty Caster Kit, 4 per pack, With 4 x Leveling Feet And 2x L-Shape Plates	v		
CRA60004	Rack Enclosure Stabilizer Kit, 2 per pack	v		

## TECHNICAL SPECIFICATIONS

Model Name	CRA60001	CRA60002	CRA60003	CRA60004
Description	M6 Cage Nut and Screw Hardware	2" Caster Kit	Heavy-Duty 3" Caster Kit	Stabilizer Kit
<b>Performance</b>				
Capacity per Unit (lbs.)	-	550	750	-
Capacity per Unit (kg)	-	250	340	-
Installation	-	Hardware Included		
<b>Physical</b>				
Color	Black	Silver and Black	Black	
Sets per Package	50	4-Caster		2
<b>Physical Size</b>				
Unit Dimensions (WxHxD) (in.)	-	2.56 x 2.87 x 3.94	2.64 x 3.98 x 3.74	23.23 x 2.66 x 7.87
Unit Dimensions (WxHxD) (cm)	-	6.5 x 7.3 x 10.0	6.7 x 10.1 x 9.5	59.0 x 6.8 x 20.0
Net Weight (lbs.)	0.97	5.4	12.6	13.7
Net Weight (kg)	0.44	2.4	5.7	6.2
<b>Shipping Dimensions</b>				
Dimensions (WxHxL) (in.)	4.3 x 2.2 x 4.3	4.3 x 3.1 x 8.1	6.7 x 6.3 x 15.7	10.6 x 5.9 x 28.0
Dimensions (WxHxL) (cm)	11.0 x 5.5 x 11.0	11.0 x 8.0 x 20.5	17.0 x 16.0 x 40.0	27.0 x 15.0 x 71.0
Weight (lbs.)	1.04	5.5	13.5	15.5
Weight (kg)	0.47	2.5	6.12	7.1
<b>Certifications</b>				
Approvals	RoHS			

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