# **Ground-Mount Enclosures Type 4 Free-Standing**

Data Sheet



### **Application**

- · Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

#### **Standards**

- UL 508 Listed, Type 4 and Type 12
- CSA C22.2 No. 94 Certified, Type 4 and Type 12
- Conforms to NEMA Standard for Type 4 and Type 12
- E.I.A. RS-310-D

### **Finish**

- · Wash and phosphate undercoat
- · ANSI 61 gray polyester powder finish

#### Accessories

- · Full and half panels
- · Side and swing panels
- · Channel mounting hardware
- · Equipment rack mounts
- Touch-up paint
- See Accessories section

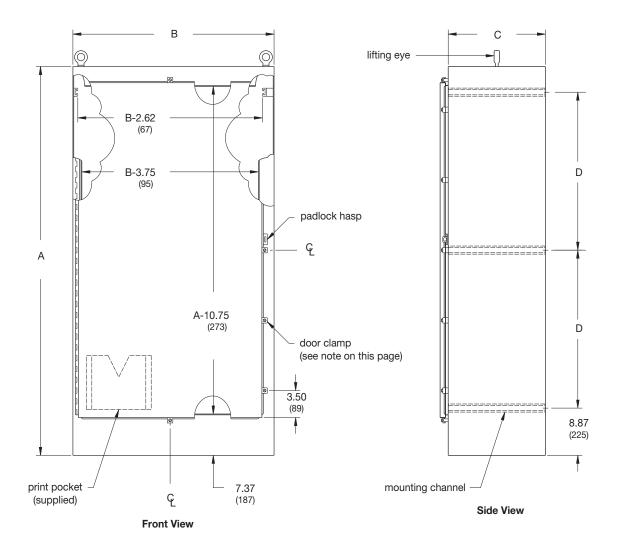
#### Construction

- Enclosure and door are fabricated from (12) gauge steel
- · All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Door has a seamless poured in place gasket
- Ground stud provided on door
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- · Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels or rack mount equipment along enclosure depth
- A variety of optional panels and accessories are available

# **Ground-Mount Enclosures Type 4 Free-Standing**

Illustration Sheet and Catalog Number

Enclosure	Enclosui Height x Wid AxB	D		
Catalog #	in.	mm.	in.	mm.
CH722518-4FS	72.00 x 25.00 x 18.00	1829 x 635 x 457	29.12	740
CH723118-4FS	72.00 x 31.00 x 18.00	1829 x 787 x 457	29.12	740
CH723718-4FS	72.00 x 37.00 x 18.00	1829 x 940 x 457	29.12	740
CH722524-4FS	72.00 x 25.00 x 24.00	1829 x 635 x 610	29.12	740
CH723124-4FS	72.00 x 31.00 x 24.00	1829 x 787 x 610	29.12	740
CH723724-4FS	72.00 x 37.00 x 24.00	1829 x 940 x 610	29.12	740



**Notes:** Four lifting eyes are furnished when C dimension is 24" (610 mm). Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches.

# **Ground-Mount Enclosures Type 4 Free-Standing with Quarter-Turn Latches**

Data Sheet and Catalog Number



### **Application**

- · Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- · Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

### **Standards**

- UL 508 Listed, Type 4 and Type 12
- CSA C22.2 No. 94 Certified, Type 4 and Type 12
- Conforms to NEMA Standard for Type 3, Type 4, Type 12
- E.I.A. RS-310-D

#### Finish

- · Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

#### Accessories

- Full and half panels
- · Side and swing panels
- · Panel support kit
- · Panel lifting kit
- · Channel mounting hardware
- Equipment rack mounts
- Lights
- Window kits

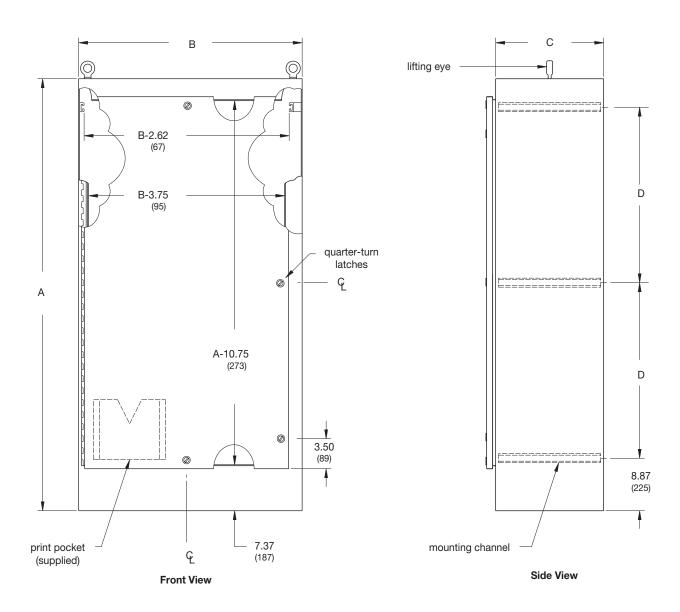
### Construction

- Enclosure and doors are fabricated from (12) gauge steel
- · All continuous welded seams are finished smooth
- Heavy duty continuous hinge with stainless steel hinge pin
- Slotted quarter-turn flush latch(es)
- Door has a seamless poured in place gasket
- · Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- · Print pocket provided
- Mounting channels are welded inside for locating panels or rack mount equipment along enclosure depth
- · Provision for mounting fluorescent light
- · Large lifting eyebolts

Enclosure	Enclosu Height x Wid AxB	D		
Catalog #	in.	mm.	in.	mm.
CH722418-4FSQT	72.00 x 24.00 x 18.00	1829 x 609 x 457	29.12	739
CH723024-4FSQT	72.00 x 30.00 x 24.00	1829 x 762 x 609	29.12	739
CH723624-4FSQT	72.00 x 36.00 x 24.00	1829 x 914 x 609	29.12	739

# **Ground-Mount Enclosures Type 4 Free-Standing with Quarter-Turn Latches**

Illustration Sheet



**Notes:** Four lifting eyes are furnished when C dimension is 24" (610 mm).

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

# Ground-Mount Enclosures Type 4 Free-Standing with 3-Point Locking

**Data Sheet** 



### **Application**

- · Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

#### **Standards**

- UL 508 Listed, Type 4 and Type 12
- CSA C22.2 No. 94 Certified, Type 4 and Type 12
- Conforms to NEMA Standard for Type 3, Type 4, Type 12
- E.I.A. RS-310-D

#### **Finish**

- · Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

#### Accessories

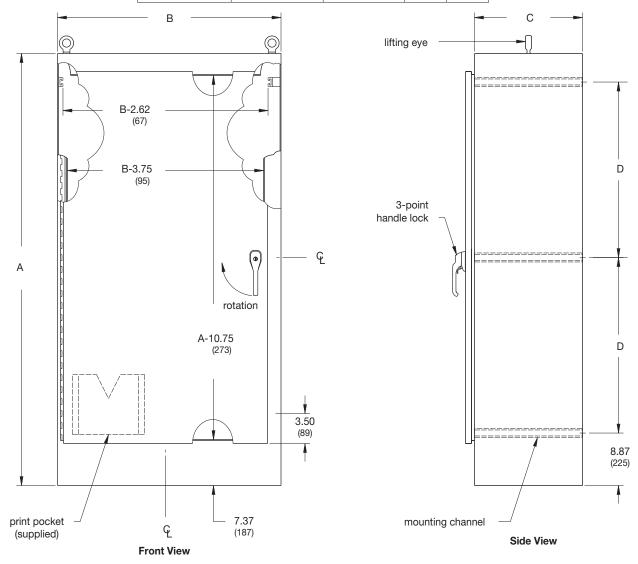
- Full and half panels
- · Side and swing panels
- Panel support kit
- Panel lifting kit
- · Channel mounting hardware
- · Equipment rack mounts
- Lights
- Window kits
- Replacement handle

#### Construction

- Enclosure and doors are fabricated from (12) gauge steel
- · All continuous welded seams are finished smooth
- · Heavy duty continuous hinge with stainless steel hinge pin
- Internal 3-point latching with key locking and padlock handles
- · Door has a seamless poured in place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- · Ground stud provided on door
- · Print pocket provided
- Mounting channels are welded inside for locating panels or rack mount equipment along enclosure depth
- · Provision for mounting fluorescent light
- Large lifting eyebolts

# **Ground-Mount Enclosures** Type 4 Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure	Enclosui Height x Wid AxB	D		
Catalog #	in.	mm.	in.	mm.
CH602418-4FS3PT	60.00 x 24.00 x 18.00	1524 x 609 x 457	23.12	587
CH722418-4FS3PT	72.00 x 24.00 x 18.00	1829 x 609 x 457	29.12	739
CH723018-4FS3PT	72.00 x 30.00 x 18.00	1829 x 762 x 457	29.12	739
CH723618-4FS3PT	72.00 x 36.00 x 18.00	1829 x 914 x 457	29.12	739
CH603624-4FS3PT	60.00 x 36.00 x 24.00	1524 x 914 x 609	23.12	587
CH722424-4FS3PT	72.00 x 24.00 x 24.00	1829 x 609 x 609	29.12	739
CH723024-4FS3PT	72.00 x 30.00 x 24.00	1829 x 762 x 609	29.12	739
CH723624-4FS3PT	72.00 x 36.00 x 24.00	1829 x 914 x 609	29.12	739
CH723630-4FS3PT	72.00 x 36.00 x 30.00	1829 x 914 x 762	29.12	739
CH723636-4FS3PT	72.00 x 36.00 x 36.00	1829 x 914 x 914	29.12	739



Notes: Four lifting eyes are furnished when C dimension is 24" (610 mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

# Free-Standing Enclosure Accessories Type 4 Single-Door, Full and Half Panel

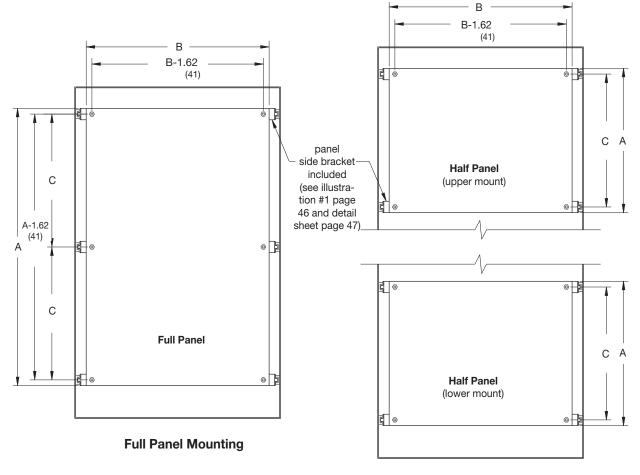
Illustration Sheet and Catalog Number

## Full Panel (Single-Door)

Panel	Panel Size Height x Width AxB		С		Fits Enclosure Height x Width		
Catalog #	in.	mm.	in.	mm.	in.	mm.	
CHAF6024P	47.87 x 19.87	1216 x 505	23.12	587	60.00 x 24.00	1524 x 610	
CHAF6036P	47.87 x 31.87	1216 x 809	23.12	587	60.00 x 36.00	1524 x 914	
CHAF7224P	59.87 x 19.87	1521 x 505	29.12	740	72.00 x 24.00	1829 x 610	
CHAF7230P	59.87 x 25.87	1521 x 657	29.12	740	72.00 x 30.00	1829 x 762	
CHAF7236P	59.87 x 31.87	1521 x 809	29.12	740	72.00 x 36.00	1829 x 914	

## Half Panel (Single-Door)

Panel	Panel Size Height x Width AxB		C		Fits Enclosure Height x Width		
Catalog #	in.	mm.	in.	mm.	in.	mm.	
CHAF6024HP	24.75 x 19.87	629 x 505	23.12	587	60.00 x 24.00	1524 x 610	
CHAF6036HP	24.75 x 31.87	629 x 809	23.12	587	60.00 x 36.00	1524 x 914	
CHAF7224HP	30.75 x 19.87	781 x 505	29.12	587	72.00 x 24.00	1829 x 610	
CHAF7230HP	30.75 x 25.87	781 x 657	29.12	587	72.00 x 30.00	1829 x 762	
CHAF7236HP	30.75 x 31.87	781 x 809	29.12	587	72.00 x 36.00	1829 x 914	



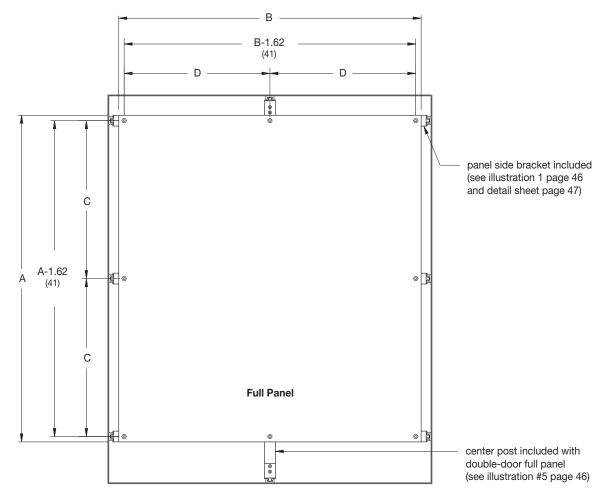
#### **Half Panel Mounting**

Note: Full and half panel for single-door, single and dual-access enclosures are (12) gauge steel and furnished with panel side brackets and all hardware necessary for channel and panel mounting. Half panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, full and half panels can be mounted back-to-back.

# Free-Standing Enclosure Accessories Type 4 Single-Door, Full Panel

Illustration Sheet and Catalog Number

Panel	Panel Size Height x Width AxB				)	Fits Enclosure Height x Width		
Catalog #	in.	mm.	in.	mm.	in.	mm.	in.	mm.
CHAF6048P	47.87 x 43.87	1216 x 1114	23.12	587	21.12	530	60.00 x 48.00	1524 x 1219
CHAF6060P	47.87 x 55.87	1216 x 1419	23.12	587	27.12	689	60.00 x 60.00	1524 x 1524
CHAF7248P	59.87 x 43.87	1521 x 1114	29.12	740	21.12	530	72.00 x 48.00	1829 x 1219
CHAF7260P	59.87 x 55.87	1521 x 1419	29.12	740	27.12	689	72.00 x 60.00	1829 x 1524
CHAF7272P	59.87 x 67.87	1521 x 1724	29.12	740	33.12	841	72.00 x 72.00	1829 x 1829



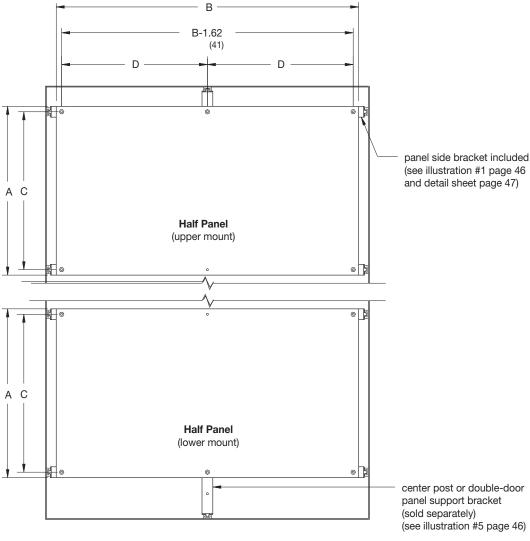
### **Full Panel Mounting**

Notes: Full panel for double-door, single and dual-access enclosures are (10) gauge steel and furnished with panel brackets, center post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The center post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, full and half panels can be mounted back-to-back.

# Free-Standing Enclosure Accessories Type 4 Double-Door, Half Panel

Illustration Sheet and Catalog Number

Panel	Panel Size Height x Width AxB		C	C D		)	Fits Enclosure Height x Width	
Catalog #	in.	mm.	in.	mm.	in.	mm.	in.	mm.
CHAF6048HP	24.75 x 43.87	629 x 1114	23.12	587	21.12	536	60.00 x 48.00	1524 x 1219
CHAF7248HP	30.75 x 43.87	781 x 1114	29.12	740	21.12	536	72.00 x 48.00	1829 x 1219
CHAF7260HP	30.75 x 55.87	781 x 1419	29.12	740	7.12	181	72.00 x 60.00	1829 x 1524
CHAF7272HP	30.75 x 67.87	781 x 1724	29.12	740	33.12	841	72.00 x 72.00	1829 x 1829



### **Half Panel Mounting**

Note: Half panel for double-door, single and dual-access enclosures are (12) gauge steel and furnished with panel brackets and all hardware necessary for channel and panel mounting. A center post assembly or a double-door panel support bracket (catalog number CHAFSUP2) for additional support of the panel is optional and sold separately. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, full and half panels can be mounted back-to-back.

# Free-Standing Enclosure Accessories Type 4 Side Panel and Center Post

Illustration Sheet and Catalog Number

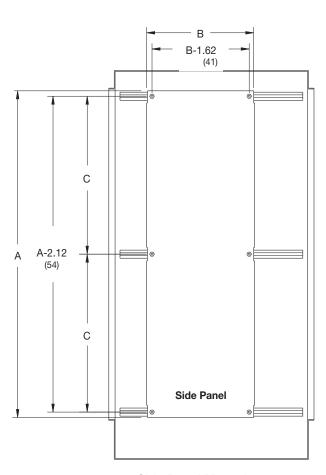
### Side Panel

Panel	Panel Size Height x Width AxB		C	;	Fits Enclosu Height De		closure Dept	
Catalog #	in.	mm.	in.	mm.	in.	mm	in.	mm.
CHAF6018SP	48.37 x 13.87	1229 x 340	23.12	587	60.00	1524	18.00	457
CHAF7218SP	60.37 x 13.87	1533 x 340	29.12	740	72.00	1829	18.00	457
CHAF7224SP	60.37 x 19.87	1533 x 505	29.12	740	72.00	1829	24.00	610

<sup>\*</sup> Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.

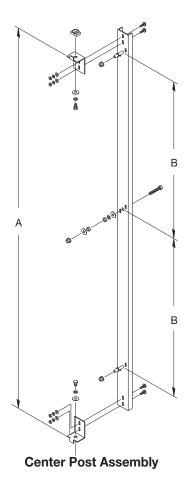
### **Center Post**

Center Post	,	A	В		Fits Enclosure Height	
Catalog #	in.	mm.	in.	mm.	in.	mm.
CHAF60CPS	58.37	1483	23.12	587	60.00	1524
CHAF72CPS	70.37	1787	29.12	740	72.00	1829



#### **Side Panel Mounting**

Side panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when full or half panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center post assembly is furnished with all double-door full panels and includes hardware necessary for channel and panel mounting. The center post is optional on double-door half panels and swing panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration

#5 on the Detail Sheet on page 46.

# Free-Standing Enclosure Accessories Type 4 Single-Door, Full and Half Swing Panel

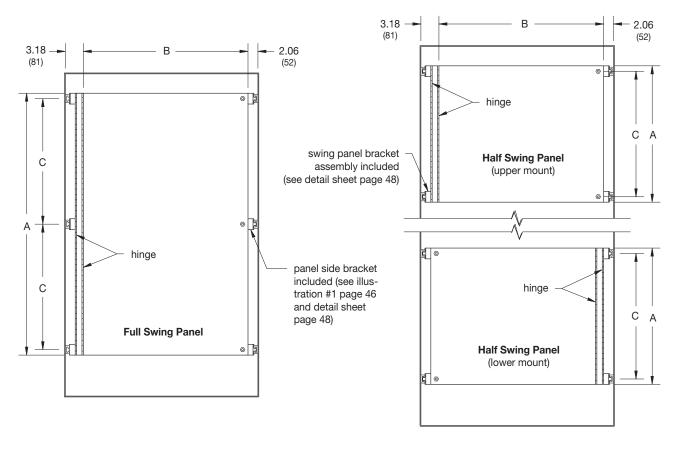
Illustration Sheet and Catalog Number

### Full Swing Panel (Single Door)

Panel	Panel Size Height x Width AxB		С		Fits Enclosure Height x Width	
Catalog #	in.	mm.	in.	mm.	in.	mm.
CHAF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
CHAF6036SWP	47.87 x 30.75	1216 x 781	23.12	587	60.00 x 36.00	1524 x 914
CHAF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
CHAF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
CHAF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914

### Half Swing Panel (Single Door)

Panel	Panel Size Height x Width AxB		С		Fits Enclosure Height x Width	
Catalog #	in.	mm.	in.	mm.	in.	mm.
CHAF6024HSWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
CHAF6036HSWP	47.87 x 30.75	1216 x 781	23.12	587	60.00 x 36.00	1524 x 914
CHAF7224HSWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
CHAF7230HSWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
CHAF7236HSWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914



#### **Full Swing Panel Mounting**

**Half Swing Panel Mounting** 

**lote:** Full swing panel and half swing panel for single-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and furnished with panel brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge on either the left or right side. In addition, half panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to be adjustable along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, full and half swing panels can be mounted back-to-back.

## **Free-Standing Enclosure Accessories** Type 4 Double-Door, Full and Half Swing Panel

Illustration Sheet and Catalog Number

### Full Swing Panel (Single Door)

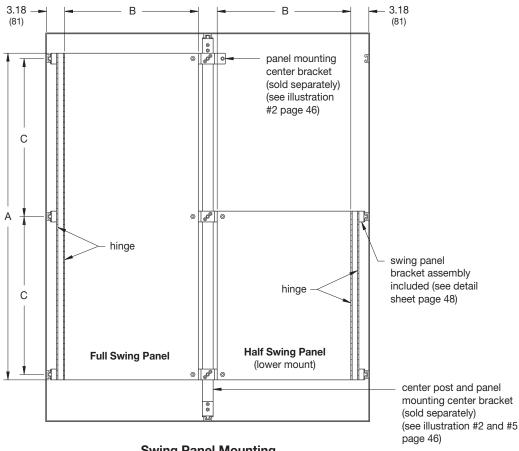
Half	Swing	Panel	(Single	Door)	)

Panel	Panel Height : Ax	x Width	С		Fits Enclosure Height x Width	
Catalog #	in.	mm.	in. mm.		in.	mm.
CHAF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
CHAF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
CHAF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
CHAF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914

Note:

Panel	Panel Size Height x Width AxB		С		Fits Enclosure Height x Width	
Catalog #	in.	mm. in.		mm.	in.	mm.
CHAF6024HSWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
CHAF7224HSWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
CHAF7230HSWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
CHAF7236HSWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914

#### A center post assembly and center bracket must be ordered separately.



### **Swing Panel Mounting**

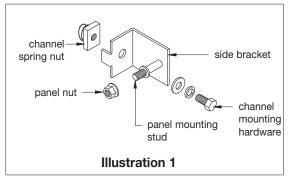
Full swing panel and half swing panel for double-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and are furnished with hardware necessary for side channel mounting. A center post assembly and center bracket must be ordered separately. Panels can be installed so they hinge either on the left or right side. In addition, half panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures,full and half swing panels can be mounted back-to-back.

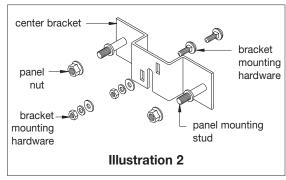
# Free-Standing Enclosure Accessories Type 4

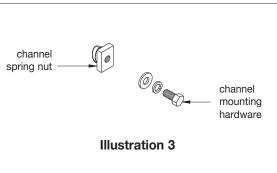
### **Miscellaneous Accessories**

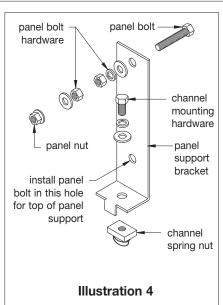
**Illustration Sheet and Catalog Number** 

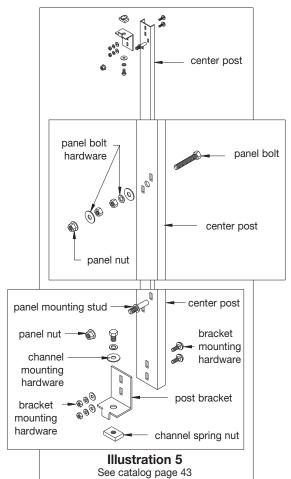
Miscellaneous Accessories						
Catalog # Description Illustration Quantit						
CHAFSBRKT1	Panel mounting side bracket	1	1			
CHAFCBRKT3	Panel mounting center bracket	2	3			
CHAFCMH3	Channel mounting hardware	3	3			
CHAFPSUP2	Double-door panel support bracket	4	2			
See page 43	Center post	5	1			





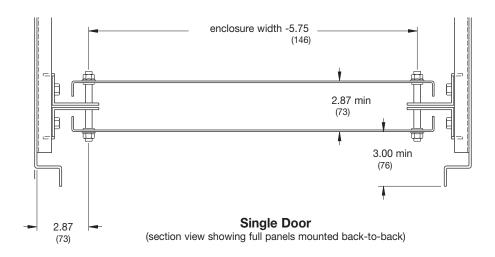


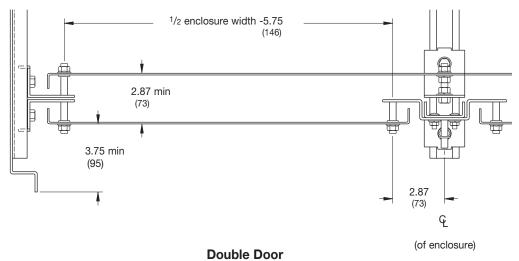




## Free-Standing Enclosure Details Type 4 Panel and Enclosure

**Detail Sheet** 



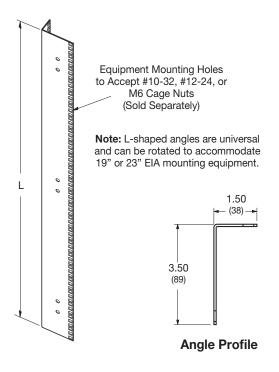


(section view showing full panels mounted back-to-back)

# Free-Standing Enclosure Accessories Rack Mounting Angles

Illustration Sheet and Catalog Number

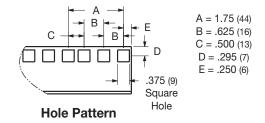
Heavy duty rack mounting angles are designed for mounting 19" (482mm) equipment in free-standing enclosures. A center post assembly, "CHAFxxCPS" on page 43, and a panel mounting center bracket, "CHAFCBRKT3" on page 46, (each sold separately) are required when mounting in any double door enclosure. Mounting holes are spaced at the 19" "EIA" standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100), on page 50.

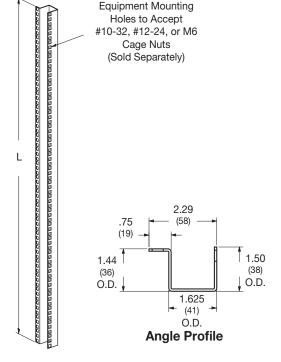


### 'L' Shaped Mounting Angles

Mounting Angles	Fits Enclosure Height		L		Mounting U's
Catalog #	in.	mm. in.		mm.	
CHES-48RMA-L	48.00	1219	42.00	1067	24
CHES-60RMA-L	60.00	1524	54.25	1378	31
CHES-72RMA-L	72.00	1829	66.50	1689	38
CHES-90RMA-L	90.00	2286	78.75	2000	45

Kit contains two (2) full length 'L' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.

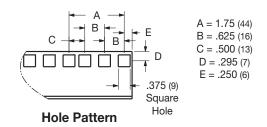




## 'U' Shaped Mounting Angles

Mounting Angles	Fits Enclosure Height		L		Mounting U's
Catalog #	in.	mm.	in. mm.		
CHES-48RMA-U	48.00	1219	42.00	1067	24
CHES-60RMA-U	60.00	1524	54.25	1378	31
CHES-72RMA-U	72.00	1829	66.50	1689	38
CHES-90RMA-U	90.00	2286	78.75	2000	45

Kit contains two (2) full length 'U' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.



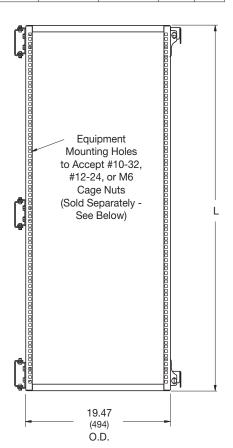
# Free-Standing Enclosure Accessories Frames & Fasteners

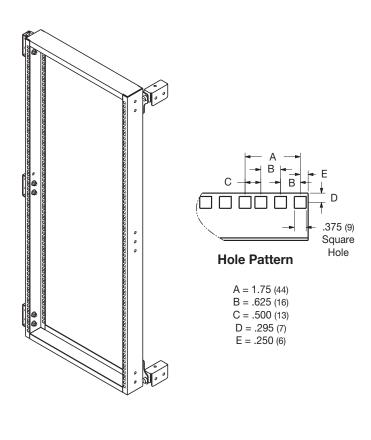
Illustration Sheet and Catalog Number

### Swing-out Rack Mounted Frame

Mounting Angles	Fits En Hei	L		
Catalog #	in.	in.	mm.	
CHES-48SORMF	48.00	1219	36.91	937
CHES-60SORMF	60.00	1524	49.16	1248
CHES-72SORMF	72.00	1829	59.66	1515
CHES-90SORMF	90.00	2286	77.18	1960

Heavy duty swing-out rack mounting frames are designed for mounting 19" (482mm) equipment in free standing enclosures. A center post assembly, "CHAFxxCPS" on page 43 and panel mounting center bracket, "CHAFCBRKT3" on page 46, (each sold separately) are required when mounting in any double-door enclosure. Mounting holes are spaced per the "EIA" standard and are provided to accept #10-32, #12-24 or M6 cage nuts (sold in packages of 100). Swing-out rack mounting frames have white powder coated finish.









Catalog #	Screw Type
CHE2-MA-1032-PHMS-100	#10-32 Phillips
CHE2-MA-1224-PHMS-100	#12-24 Phillips
CHE2-MA-M6-PHMS-100	M6 Phillips

Catalog #	Cage Nut Type
CHE2-MA-CN-1032-100	#10-32 Tapped
CHE2-MA-CN-1224-100	#12-24 Tapped
CHE2-MA-CN-M6-100	M6 Tapped

Sold in bags of (100)

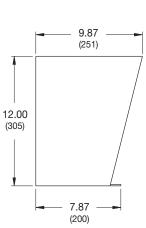
# Free-Standing Enclosure Accessories Floor Stand & Stabilizer Kits

Illustration Sheet and Catalog Number

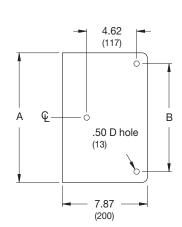


Catalog #	A		В		C	
Steel	in.	mm.	in.	mm.	in.	mm.
CHMFK12	12.00	305	10.06	256	-	-
CHMFK16	16.00	406	14.06	357	-	-
CHMFK20	20.00	508	18.06	459	8.00	203
CHMFK24	24.00	610	22.06	560	10.00	254

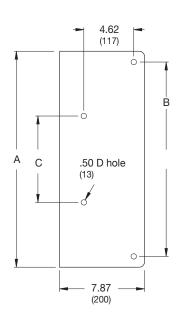
Floor stand kits are intended for use with EnviroShield™ Type 4X, Type 4 and Type 12 enclosures where floor support is required. Each kit consists of two (10) gauge legs and hardware for mounting. At the base of each leg is a pre-punched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 stainless steel. Standard floor stand kits are 12 inches (305 mm) high. For special heights, special material or non-standard construction, consult factory.



Floor Stand Kit



Base 12 - 16 Deep



Base 20 - 24 Deep