


FX ENCLOSURES

ELECTRONICS PACKAGING



AMCO[®]
ENCLOSURES
an IMS Engineered Products Brand

Designed and
Manufactured in the USA 

IMS Engineered Products is
ISO9001 Certified

About Us

Electronics Packaging

Innovative Manufacturing Solutions

Aluminum



FX Series



PDMTA Desktop Cabinets

AMCO Enclosures has been a leader in the development of enclosure and mounting systems for over seven decades. Our innovations have become the standard for housing electronics and data systems over that time, trusted by companies and institutions providing services that touch virtually every aspect of your daily life.

The world relies on us to provide protection for the equipment that tracks satellites, moves trillions of dollars every day, keeps track of vital health information and processes data about distant planets.

From military installations to banks and hospitals, AMCO Enclosures provides stability and security for the information your world runs on.

Electronics Packaging

We are proud to present our rugged, fully welded FX Enclosure Series, which has been the workhorse of the enclosure industry for over seven decades.

AMCO has engineered performance level standards into its enclosures that keep AMCO at the forefront of enclosure design and development. Our FX Series enclosure has a 3,500lb static load rating and has been tested and certified to MIL STD 901D for Shock and MIL STD 810E for Vibration. FX Enclosures have the design flexibility to adapt to a wide array of design requirements using standard components while creating custom solutions.

Other AMCO enclosure solutions featured include our PDMTA desktop cabinet, Aluminum Structural Framing System (SFS), WMR Wall Mount Box and FFR.



AMCO Online Configurator

Use this catalog as a guide to design your rack online.

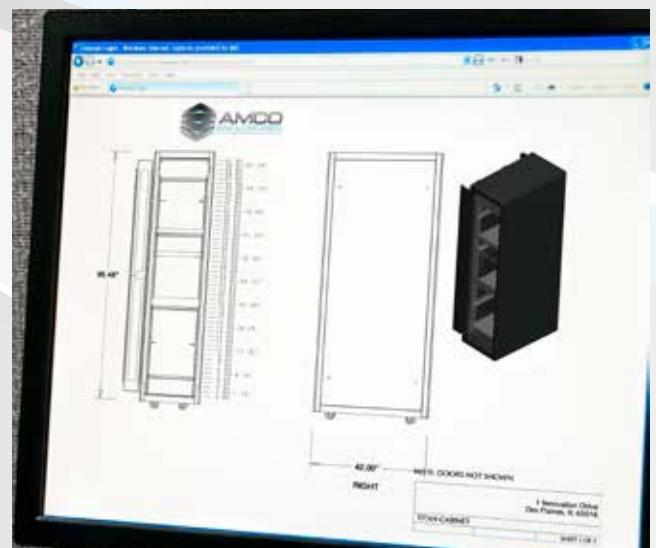
AMCO's rack configurator provides you with maximum results in a minimal amount of time. No cost, nothing to learn, no software to run – this is a fast and simple to use web-based rack configurator. Choose an enclosure size (h x w x d) – image adjusts based on your specifications. Continue by adding available accessories.

Place internal accessories and your equipment in the exact RU locations that best fit your rack's specific design requirements.

Quick, simple steps produce maximum results.

Results Include

- Bill of material for specific enclosure configuration (includes product descriptions and weights)
- Drawing of configured enclosure for visual reference with accessories mounted in place
- Virtual image to zoom in and out of and 360° view for specific image details
- Saved enclosure configurations for reference and future updates
- Quote – based on specific enclosure request



FX Overview

Frame

Mounting Channels

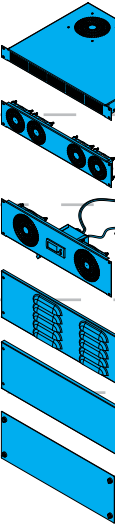
Side Panels

Top Panels

Doors

Cooling

Accessories



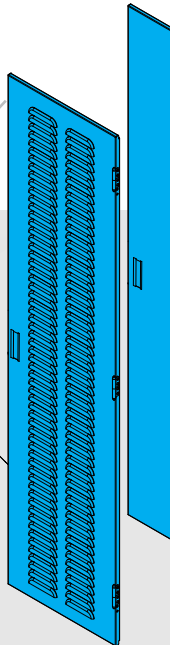
About FX

FX frames are the nucleus of the AMCO electronics enclosure system. Working closely with engineers across all vertical industry segments, AMCO Enclosures created a universal platform with the flexibility to configure specific design requirements with little or no custom modification. An extensive array of accessories provides efficient solutions to internal equipment mounting, power requirements and cooling, all of which are available as standard items. FX frames arrive on site with accessories mounted in place and ready to load. Cabinets can be built as single or multiple-bay consoles in curved or in-line configurations.

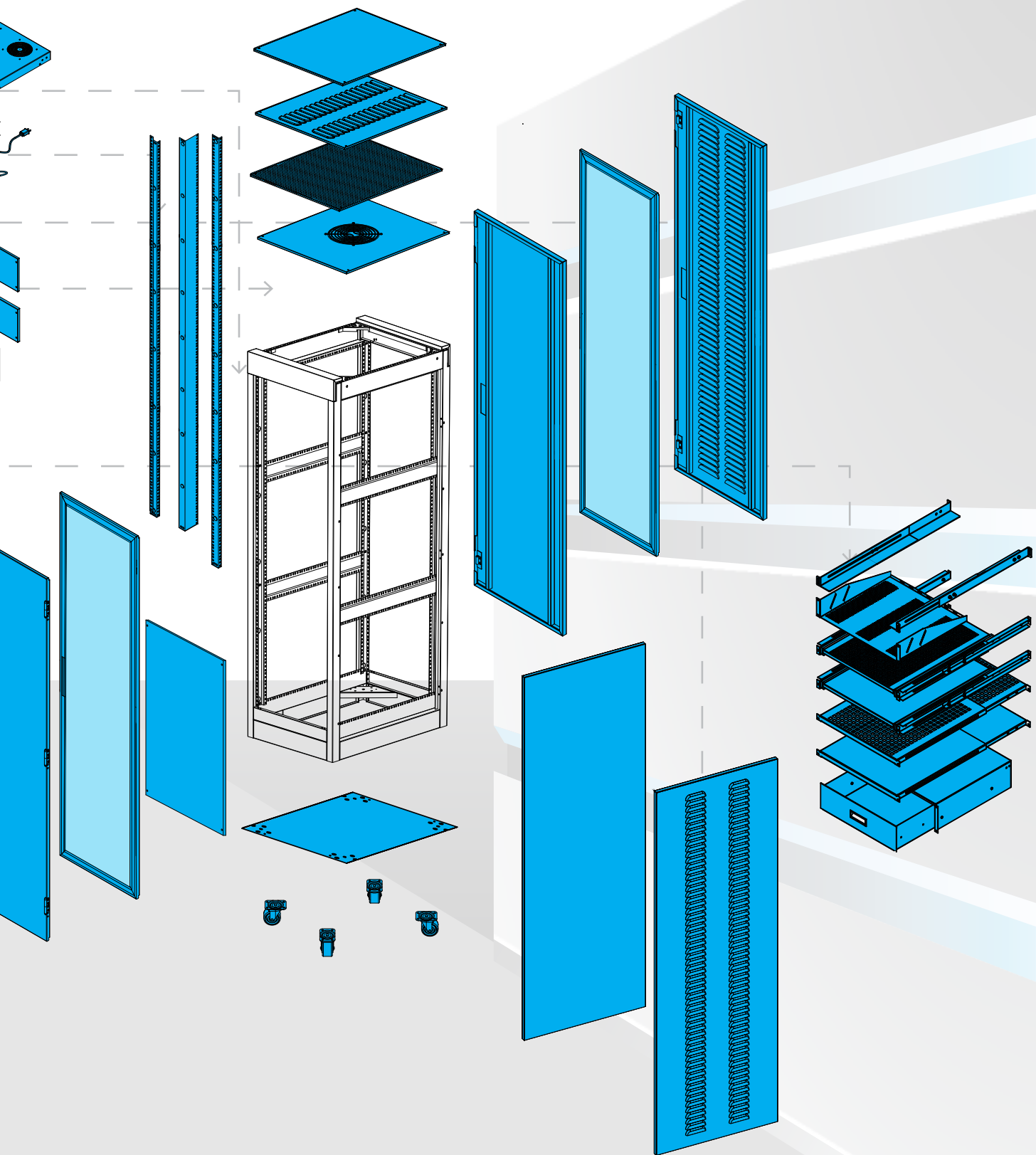
The FX frame's high-strength characteristics make it ideal for almost all commercial and OEM needs as well as many military requirements. Typical OEM applications for the FX include: test and instrumentation, aerospace, medical, automation, and process control.

Also available and quoted on request

- 18" and 22" frame depths, 30" panel opening widths.
- 18" and 22" depth writing surfaces, 24" and 30' widths in square and radius edges.
- 18" and 22" frame depths, 30" width panel opening accessories.
- Full length panel opening enclosure panels.
- Writing pull-outs, keyboard drawers and pull-out writing surfaces.



FX Overview



FX Frames

FX Frames

FX frames provide optimal support for all of your electronic packaging designs. The FX can be used as a universal enclosure platform with the flexibility to configure specific design requirements with little or no custom modification.

- Frames feature a fully welded design that support the following specifications:
 - Static load rating of 3,500 lbs.
 - MIL STD 901D Shock
 - MIL STD 810E Vibration
 - EIA 310D
- Mounting channels and leg levelers are included with each frame. (See page 7 for mounting channel options)
- Full line of accessories are available
- Multi-bay frames join together with simple hardware
- Ten year Warranty

Available in your choice of 11 standard colors.

19" Width Frames

RU Height	Overall Height	Panel Width	25.5" Depth	30" Depth	36" Depth
45	87.56"	19"	FX78-19-25	FX78-19-30	FX78-19-36
40	78.06"	19"	FX70-19-25	FX70-19-30	FX70-19-36
35	69.81"	19"	FX61-19-25	FX61-19-30	FX61-19-36
30	61.06"	19"	FX52-19-25	FX52-19-30	FX52-19-36
24	50.56"	19"	FX42-19-25	FX42-19-30	FX42-19-36
18	40.06"	19"	FX31-19-25	FX31-19-30	FX31-19-36
12	29.56"	19"	FX21-19-25	FX21-19-30	FX21-19-36

Note: For 24" panel opening width, change 19 to 24 in part number. (I.e. FX21-19-25 becomes FX21-24-25) and add 5.00" to 19" panel width dim.



Also available and quoted on request, 18" and 22" frame depths, 30" panel opening widths. If mounting FX frames to floor, reverse caster bracket modification is available and quoted on request.

Frame Joining Note

AMCO FX Enclosures can be joined together with simple hardware (included) to form multi-bay consoles.



H448-8

H17-25

H448-8 - 1/4 - 20 X 1/2" Hex-head flanged bolt.
H17-25 - 1/4 - 20 Hex Nut w/ext. Tooth lock-washer

Frame Color Options

Pottery White 101-T	Light Blue 111-T	Silver 112-T	Gunmetal 113-T	Black 116-T	Pearl Gray 122-T	Pebble Gray 123-T	Light Beige 125-T	Cranberry 126-T	Medium Blue 816-T	Glacier White XCP-151T

Note: AMCO Enclosures offers standard color choices (up to 2 per console) for no extra charge. Custom colors are available and quoted on request.



Mounting Channels

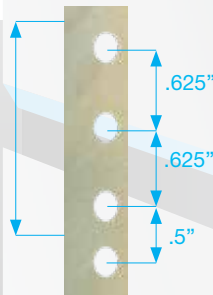
Mounting Channels

MX and MXL channels provide standard mounting options in plated 14ga. CRS channels. The MX channel provides dual mounting flanges for a panel mounting surface (front) and an equipment support mounting surface (side).

- Both the MX and MXL can be used with any standard FX frame panel width (19" or 24") and are available with standard EIA hole punching for clip nuts with either #12-24 or #10-32 thread
- 11 ga. MXT and MXLT channels are drilled and tapped 10-32 on the panel-mounting flange
- MXLA and MXWA are adapters used to provide a mounting flange for chassis or accessories
- The 3.5" long MXLA is used in combination with MXL channels
The 3.6" long MXWA is used in combination with MXW channels
To order either adapter, specify part number MXLA or MXWA
- Mounting hardware is included

All MX mounting channels have a clear zinc finish.

Punched 1 Rack Unit
(RU) 1.75"



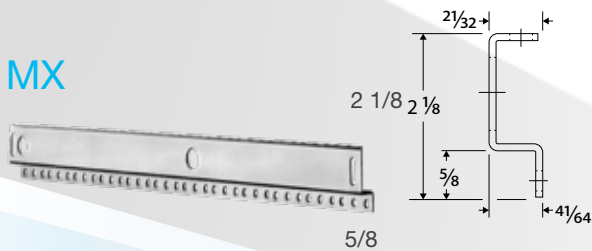
All AMCO mounting channels meet EIA standards.

Part Number	Overall Height	Type of Channel					
		MX	MXT	MXL	MXLT	MXW	MXWT
FX78	78.81"	MX78	MXT78	MXL78	MXLT78	MXW78	MXWT78
FX70	70.06"	MX70	MXT70	MXL70	MXLT70	MXW70	MXWT70
FX61	61.31"	MX61	MXT61	MXL61	MXLT61	MXW61	MXWT61
FX52	52.56"	MX52	MXT52	MXL52	MXLT52	MXW52	MXWT52
FX42	42.00"	MX42	MXT42	MXL42	MXLT42	MXW42	MXWT42
FX31	31.56"	MX31	MXT31	MXL31	MXLT31	MXW31	MXWT31
FX21	21.06"	MX21	MXT21	MXL21	MXLT21	MXW21	MXWT21



Mounting Channels

MX

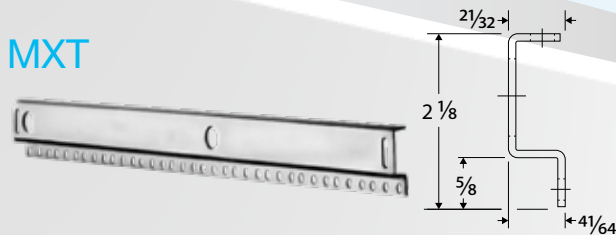


MXL



MX and MXL channels provide standard mounting options in plated 14 ga. CRS channels. The MX channel provides dual mounting flanges for a panel mounting surface (front) and an equipment support (side) mounting surface. Both the MX and MXL can be used with any standard FX Series frame and are available with standard EIA hole punching for clip nuts with either 12-24 or 10-32 thread.

MXT

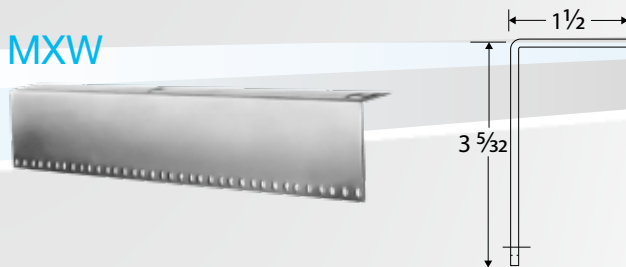


MXLT



The 11 ga. MXT and MXLT channels are the same as MX and MXL, except they are drilled and tapped 10-32 on the panel-mounting flange.

MXW



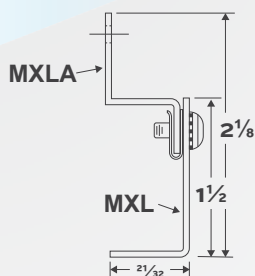
MXWT



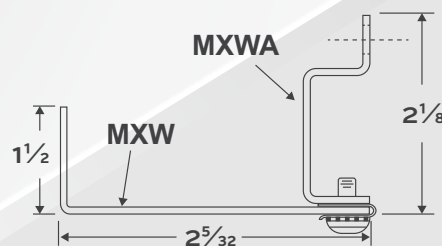
MXW and MXWT channels provide for the mounting of 19" equipment in a 24" panel width FX frame.

MXLA and MXWA are adapters used to provide a mounting flange for chassis or accessories. The 3.5" long MXLA is used in combination with MXL channels. The 3.6" long MXWA is used in combination with MXW channels. To order either adapter, specify part number MXLA or MXWA. Mounting hardware is included. All panel-mounting channels have a clear zinc finish.

MXLP
Also available in MXLPT



MXLA Adapter Assembled to MXL Channel (Right-Hand View)



MXWA Adapter Assembled to MXW Channel (Left-Hand View)

Mounting Channel HDW



H448-8 1/4-20 x 1/2" Hex Head flanged bolt
H45-1 1/4 -20 Speed nut "J" Clip-on Type.



Side Panels

Solid Side Panel



Louvered Side Panel



Material: 18 ga. CRS
Solid Steel
Louvered Steel

Side Panel Options

Side panels are available in Lift-off (removable) or Bolt-on designs



Lift-Off (Removable)



Bolt-On

Side Panels

Side panels are full length and width and available in the same heights as the corresponding frame sizes. Side panels mount to the exterior of the rack's sides. Each FX side panel adds 5/8" inch to overall frame width. Available in your choice of lift-off or bolt-on models (Please specify at time of order).

Available in your choice of 11 standard colors.



Doors

Doors

FX doors are available in both 19" and 24" panel widths in solid, louvered and Plexiglas (polycarbonate) models and in the same heights as their corresponding frames. They feature easy lift-off hinges for door removal and access to equipment.

- Available in Solid, Louvered and Plexiglas (polycarbonate) models. (Plexiglas doors feature a smoked finish)
- Doors can be selected as flush or face mount
- All doors feature a brushed aluminum handle with keyed lock

Available in your choice of 11 standard colors.



Flush Mount

Flush mount doors mount flush to the exterior of the frame.



Face Mount

Face mount doors mount to the rack's exterior surface.



19" Flush Doors

RU Height	Overall Height	Panel Width	Solid Doors	Louvered Doors	Plexiglas Doors
45	78.75"	19"	DFHFE78-19RK	DFHFE78-19RK-L	DPFE78-19RK
40	70.00"	19"	DFHFE70-19RK	DFHFE70-19RK-L	DPFE70-19RK
35	61.25"	19"	DFHFE61-19RK	DFHFE61-19RK-L	DPFE61-19RK
30	52.50"	19"	DFHFE52-19RK	DFHFE52-19RK-L	DPFE52-19RK
24	42.00"	19"	DFHFE42-19RK	DFHFE42-19RK-L	DPFE42-19RK
18	31.00"	19"	DFHFE31-19RK	DFHFE31-19RK-L	DPFE31-19RK
12	21.00"	19"	DFHFE21-19RK	DFHFE21-19RK-L	DPFE21-19RK

Note: For 24" panel width, change 19 to 24 in part number. Add 5.00" to 19" panel width dim. (i.e. DFHFE70-19RK becomes DFHFE70-24RK)

Note: All doors are mounted right-handed unless requested left-handed at time of order placement. (perspective is facing front of cabinet)

19" Face Doors

RU Height	Overall Height	Panel Width	Solid Doors	Louvered Doors	Plexiglas Doors
45	82.56"	19"	DIF78-19RK	DIF78-19RK-L	DPIF78-19RK
40	73.81"	19"	DIF70-19RK	DIF70-19RK-L	DPIF70-19RK
35	65.06"	19"	DIF61-19RK	DIF61-19RK-L	DPIF61-19RK
30	56.31"	19"	DIF52-19RK	DIF52-19RK-L	DPIF52-19RK
24	45.81"	19"	DIF42-19RK	DIF42-19RK-L	DPIF42-19RK
18	35.31"	19"	DIF31-19RK	DIF31-19RK-L	DPIF31-19RK
12	24.81"	19"	DIF21-19RK	DIF21-19RK-L	DPIF21-19RK

Note: For 24" panel width, change 19 to 24 in part number. Add 5.00" to 19" panel width dim. (i.e. DIF78-19RK becomes DIF78-24RK)

Note: All doors are mounted right-handed unless requested left-handed at time of order placement. (perspective is facing front of cabinet)



FX Frame Modification for Short Doors

Frames can be modified for short standard doors (standard top or bottom mounting position) Contact AMCO direct for price and availability.



Top Panels

19" Width Top Panels – Solid, Louvered and Perforated



Louvered, Solid, and Perforated Top Panels

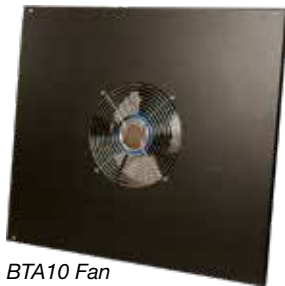
Frame Depth	Panel Depth	Panel Width	Solid	Louvered	Perforated
36"	31.50"	19"	PX31-19	PX31L-19	PX31P-19
30"	25.50"	19"	PX25-19	PX25L-19	PX25P-19
25.5"	21.00"	19"	PX21-19	PX21L-19	PX21P-19

Note: For 24" panel width, change 19 to 24 in part number. (I.e. PX31-19 becomes PX31-24) add 5.00" to 19" panel width dim.

Top panels are available in solid, louvered and perforated steel and provide an additional level of security while bolting directly to the top of the frame. Louvered and perforated model top panels promote passive heat dissipation.

Available in your choice of 11 standard colors.

19" Width Top Panels with BTA10 Fan



BTA10 Fan

Frame Depth	Panel Depth	Panel Width	BTA10 Fan 115v.	BTA10 Fan 230v.
36"	31.50"	19"	BTA10-PX31-19-E	BTAV10-PX31-19-E
30"	25.50"	19"	BTA10-PX25-19-E	BTAV10-PX25-19-E
25.5"	21.00"	19"	BTA10-PX21-19-E	BTAV10-PX21-19-E

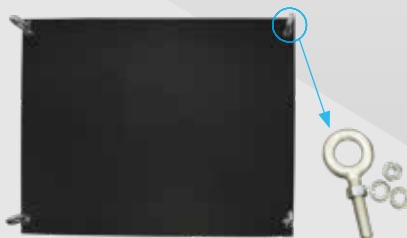
Note: For 24" panel width, change 19 to 24 in part number. (I.e. BTA10-PX31-19-E becomes BTA10-PX31-24-E). Add 5.00" to 19" panel width dim.

Please specify "-I" for intake, "-E" for exhaust. (I.e., BTA10-PX21-19-I for intake, BTA10-PX21-19-E for exhaust)

Top panel with BTA10 fan includes 1ea. BTA10 fan with 640 CFM per fan, 6' power cord and external finger guard.

Available in your choice of 11 standard colors.

19" Width Lift-Eye Top Panels



Lift-Eye Top Panel

LEX-1

Frame Depth	Panel Depth	Solid Lift-Eye	Louvered Lift-eye	Perforated Lift-Eye
36"	31.50"	PX31LE-19	PX31LEL-19	PX31LEP-19
30"	25.50"	PX25LE-19	PX25LEL-19	PX25LEP-19
25.5"	21.00"	PX21LE-19	PX21LEL-19	PX21LEP-19

Available and quoted on request.

Lift-Eye Bolts

LEX-1 Lift eye bolts consist of one eye bolt, two lock washers and two nuts. Lift eye bolts mount in the top gusseting to provide easy moving of equipment and each will support 250lbs.

Lift eye bolt top panels are available for 19" and 24" panel width enclosures in solid, louvered, perforated and BTA10 fan versions. This modification provides .75 dia holes in the top panel –allowing lift eyes to pass thru the top panel and mount directly to the gussets in the top of the FX frame.

Available in your choice of 11 standard colors.



Cooling - Flat Fan Panels



Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

19" Width Fan Stack

Fan stack units provide active cooling for a specific electronic components within the rack and come in two depths. These units install as easily as a shelf and have a five-foot power cord. Fans turn on from 83°- 85°, keeping components cool. Supplied with #10-32 mounting screws.

NOTE: Not available for 24" panel width, cannot be used with flush mount doors.

Available in black finish only.

Part Number	CFM (total)	DB	Voltage	# of Fans	Fan Dia.	Depth
UA-FS1-S8	120	27	115	2	4.75"	8"
UA-FS1-S14	120	27	115	2	4.75"	14"



Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

19" Width Fan Panel With Display

Fan panels with a digital display allow you to set the sensor to a specific temperature range of 58° to programmable max and have a six-foot power cord. This ensures that your electronic components will operate at peak performance. Supplied with #10-32 mounting screws.

NOTE: Not available for 24" panel width, cannot be used with flush mount doors.

Available in black finish only.

Part Number	CFM (total)	DB	Voltage	# of Fans	Fan Dia.	Rack Height
UA-QFD2-4	100	28	115	4	3"	2RU
UA-QFD3-2	120	27	115	2	4.75"	3RU



Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

19" Width Fan Panel Without Display

Fan panels have a preset activation temperature of 83°- 85° and five-foot power cord. This ensures that your electronic components will operate at peak performance. Supplied with #10-32 mounting screws.

NOTE: Not available for 24" panel width, cannot be used with flush mount doors.

Available in black finish only.

Part Number	CFM (total)	DB	Voltage	# of Fans	Fan Dia.	Rack Height
UA-QF2-4	100	28	115	4	3"	2RU



Cooling - Formed Fan Panels



Note: For 24" panel width, change 19 to 24 in part number. Add 5.00" to 19" panel width dim. (I.e.) BTA-4-HF-19-1-I becomes BTA-4-HF-24-1-I. Fan panel part numbers are shown for intake (-I) for exhaust delete (-I) and substitute (-E)

Fan Panels

AMCO Enclosure's fan panels are available in a 4RU height (7.00") and available with either a single or dual tube axel high flow fan in 115v. Fan panels feature a 6' power cord and are supplied with fans as intake, but can be configured as exhaust. Cannot be used with flush mount doors.

Available in your choice of 11 standard colors.

Part Number	Panel Height	Inches	Panel Width	CFM (total)	DB	Voltage	# of Fans
BTA-4-HF-19-1-I	4RU	7"	19"	100	38	115	1
BTA-4-HF-19-2-I	4RU	7"	19"	200	38	115	2

Note: Tube axel fan panels are available in a 230v. model.



Enclosure Panels - Formed



Enclosure Panels

Enclosure panels are used to block out specific RUs and provide a finished look for your overall system. All enclosure panels are formed.

Full-length enclosure panels can be modified to incorporate cutouts, punched holes or other custom finishing that support the entire system's design. Enclosure panels are available in solid, louvered and perforated models and supplied with standard #12-24 mounting hardware.

Note: For 24" panel width, change 19 to 24 in part number. (I.e.) P5-19 becomes P5-24. Add 5.00" to 19" panel width dim. Enclosure panels cannot be used with flush mount doors.

Available in your choice of 11 standard colors.

19" Width Enclosure Panels

Ru Height	Inches	Panel Width	Solid	Louvered	Perforated
1	1.75	19"	P1-19	N/A	P1P-19
2	3.50	19"	P3-19	P3L-19	P3P-19
3	5.25	19"	P5-19	P5L-19	P5P-19
4	7.00	19"	P7-19	P7L-19	P7P-19
5	8.75	19"	P8-19	P8L-19	P8P-19
6	10.50	19"	P10-19	P10L-19	P10P-19
7	12.25	19"	P12-19	P12L-19	P12P-19
8	14.00	19"	P14-19	P14L-19	P14P-19
9	15.75	19"	P15-19	P15L-19	P15P-19
10	17.50	19"	P17-19	P17L-19	P17P-19
11	19.25	19"	P19-19	P19L-19	P19P-19
12	21.00	19"	P21-19	P21L-19	P21P-19

All formed and flat enclosure panels and top panels include #12-24 ornamental screws and #12-24 speed nuts.

Mounting Hardware (Options)

Optional hardware is available for replacing #10-32 screws, when mounting to punched hole rails.

#12-24 Hardware

H09-16 - #12-24 X 1" or H09-8 - # 12-24 X .5" Phillips Washer HD, Ornamental Screws, bright nickel finish.

H19-1 - 12-24 Speed Nut - "Clip-on" Style.



Other height enclosure panels available and quoted on request					
13	22.75	19"	P22-19	P22L-19	P22P-19
14	24.50	19"	P24-19	P24L-19	P24P-19
15	26.25	19"	P26-19	P26L-19	P26P-19
16	28.00	19"	P28-19	P28L-19	P28P-19
17	29.75	19"	P29-19	P29L-19	P29P-19
18	31.50	19"	P31-19	P31L-19	P31P-19
19	35.00	19"	P35-19	P35L-19	P35P-19
20	36.75	19"	P36-19	P36L-19	P36P-19
24	42.00	19"	P42-19	P42L-19	P42P-19
30	52.50	19"	P52-19	P52L-19	P52P-19
35	61.25	19"	P61-19	P61L-19	P61P-19
40	70.00	19"	P70-19	P70L-19	P70P-19
45	78.75	19"	P78-19	P78L-19	P78P-19

#10-32 Hardware

H47-16 - #10-32 X 1" or H47-8 - # 10-32 X .5" Phillips Washer HD, Ornamental Screws, bright nickel finish.

H306 - 10-32 Speed Nut - "Clip-on" Style.

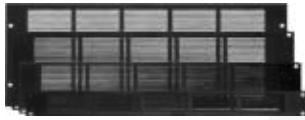


Blanking Panels - Flat



Solid Flat Enclosure Panels

UA-BPS1	1.75" H
UA-BPS2	3.50" H
UA-BPS3	5.25" H
UA-BPS4	7.00" H
UA-BPS5	8.75" H



Vented Flat Enclosure Panels

UA-BPHS1	1.75" H
UA-BPHS2	3.50" H
UA-BPHS3	5.25" H
UA-BPHS4	7.00" H
UA-BPHS5	8.75" H

Available in black finish only.

19" Flat Blanking Panels - Steel

Solid blanking panels fill out empty rack space and help direct air where needed. Vented blanking panels allow heat produced by components to dissipate while covering any blank space between components. Supplied with #10-32 mounting screws.

Note: Not available for 24" panel opening, cannot be used with flush mount doors.

Note: Additional hardware may be required if mounting in #12-24 punched hole, mounting channels. See hardware on page 14 of this catalog.



19" Aluminum Panels

AMCO aluminum flat panels are 125" thick and manufactured from type 6061-T6 aluminum. Panels are available in 19" and 24" panel widths with heights up to 15.75"

Available with raw finish or painted in your choice of 11 standard colors.

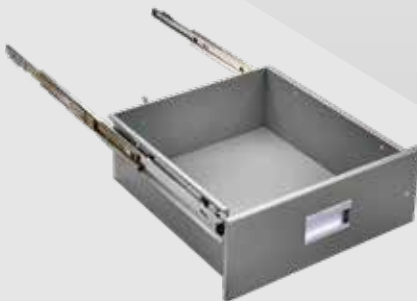
19" Aluminum Panels

Ru Height	Inches	Panel Width	Aluminum
1	1.75	19"	AP1-19
2	3.50	19"	AP3-19
3	5.25	19"	AP5-19
4	7.00	19"	AP7-19
5	8.75	19"	AP8-19
6	10.50	19"	AP10-19
7	12.25	19"	AP12-19
8	14.00	19"	AP14-19
9	15.75	19"	AP15-19

Note: For 24" panel width, change 19 to 24 in part number. (I.e.) AP5-19 becomes AP5-24. Add 5.00" to 19" panel width dim.

Note: Cannot be used with flush mount doors.

Drawers



Keyboard Pullout, Writing Surface and Pullout Writing Surface Drawers are also available and quoted on request.

Note: Cannot be used with flush mount doors.

Drawers provide a spacious storage compartment and add a finished look to the rack as they mount flush to the face of the frame. Our drawer design features a flush aluminum handle and can be configured with latches that lock out when the drawer is fully extended. All drawers have a keyed lock for secured access.

- Drawers have an aluminum handle with a keyed lock.
- Load rated at 150 lbs.

Note: For 24" panel width, change 19 to 24 in part number. (I.e.) DRFH5-19 becomes DRFH5-24. Add 5.00" to 19" panel width dim.

Available in your choice of 11 standard colors.

Plain Drawer with Lock

RU Height	Inches	Panel Width	25.50" Depth	30.00" Depth	36.00" Depth
2	3.50	19"	DRFH3-19-25EK	DRFH3-19-30EK	DRFH3-19-36EK
4	7.00	19"	DRFH7-19-25EK	DRFH7-19-30EK	DRFH7-19-36EK
6	10.50	19"	DRFH10-19-25EK	DRFH10-19-30EK	DRFH10-19-36EK

Latching option for drawers and drawers without locks are available and quoted on request.



Shelves

Stationary Shelves



Retractable Shelves

Shelves

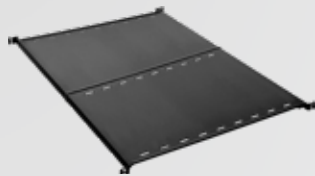
Stationary shelves are available in 19" and 24" models as solid and perforated and have a 125 lb. load rating. Heavy-duty shelves are also available as solid and have a 300 lb. load rating.

Retractable shelves are available as solid or perforated and have a 150 lb. load rating. Retractable shelves provide full extension with lockout and disconnect features.

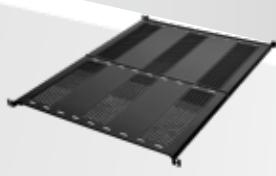
All of the above shelves do not interfere with flush mount doors as they mount to the side flanges of the mounting channel.

Stationary and retractable shelves are available in your choice of 11 standard colors.

Heavy duty shelves are available in black finish only.



Heavy Duty Adjustable shelves - Solid



Heavy Duty Adjustable shelves - Vented

Heavy Duty Adjustable Shelves

Heavy Duty Shelves are 1.75"H (1RU) and adjust to fit 19" panel openings, with depths from 17.25" to 24.40" or 28.75" to 39.25". Heavy Duty Adjustable Shelves mount to the face flange of the mounting channel. They are available in solid or vented models and are load-rated to support up to 300 lbs.

Note: Cannot be used with flush mount doors.

Heavy duty adjustable shelves are available in black finish only.

19" Width Shelves

Depth	Panel Width	Solid	Perforated	Heavy-Duty Solid	Retractable Solid	Retractable Perforated	HD Adjustable Solid	HD Adjustable Vented
22.00"	19"	SH19-22	SH19P-22	SHHD19-22	SHR19-22	SHR19P-22	UA-SHAS-1725	UA-SHAV-1725
25.50"	19"	SH19-25	SH19P-25	SHHD19-25	SHR19-25	SHR19P-25	UA-SHAS-1725	UA-SHAV-1725
30.00"	19"	SH19-30	SH19P-30	SHHD19-30	SHR19-30	SHR19P-30	UA-SHAS-2540	UA-SHAV-2540
36.00"	19"	SH19-36	SH19P-36	SHHD19-36	SHR19-36	SHR19P-36	UA-SHAS-2540	UA-SHAV-2540

Note: For 24" width, change 19 to 24 in all part numbers in the chart above. Add 5.00" to 19" panel width dim.



Solid

UA-SH1 1.75" H -15 lb. load rating
 UA-SH2 3.50" H -50 lb. load rating
 UA-SH3 5.25" H -60 lb. load rating
 UA-SH4 7.00" H -70 lb. load rating
 UA-SH5 8.75" H -80 lb. load rating

Light Duty Shelf

UA Series shelves are light duty and mount to the front the mounting channel. The shelves are 19" wide, 18" deep and available in the following heights: 1RU, 2RU, 3RU, 4RU and 5RU. Light Duty shelves are supplied with #10-32 mounting hardware.

Note: Cannot be used with flush mount doors.

Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

Available in black finish only.

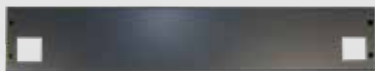


Writing Surfaces



Writing Surface Filler Panel

AMCO writing surfaces require the use of 3.50" Filler Panels to fill the space behind and below the writing surface.



P3WC-19 – For 19" panel width FX frame
P3WC-24 – For 24" panel width FX frame

Available in your choice of 11 standard colors.



Writing Surfaces

AMCO writing surfaces are supplied as complete assemblies in single or multiple bay frame widths-in 19", 24" and 30" panel widths and 18.50" or 22" surface depths in square and radius edges (18" depth listed above).

- Top and sides are finished in 1/16" plastic laminate
- Surfaces include support arms and mounting hardware
- Writing surfaces are available in white, graystone and bluestone laminate color finishes – other color options available on request

FX Series Frame Depth

PART NO.	Panel Width	A	B	C
RWSX18-1-19S-25	19"	22.06	18.50	20.50
RWSX18-1-19S-30	19"	22.06	18.50	25.00
RWSX18-1-19S-36	19"	22.06	18.50	31.00
RWSX18-1-19D-25	19"	44.12	18.50	20.50
RWSX18-1-19D-30	19"	44.12	18.50	25.00
RWSX18-1-19D-36	19"	44.12	18.50	31.00
RWSX18-1-19T-25	19"	66.19	18.50	20.50
RWSX18-1-19T-30	19"	66.19	18.50	25.00
RWSX18-1-19T-36	19"	66.19	18.50	31.00
RWSX18-1-19Q-25	19"	88.25	18.50	20.50
RWSX18-1-19Q-30	19"	88.25	18.50	25.00
RWSX18-1-19Q-36	19"	88.25	18.50	31.00

Note: For 24" panel width, change 19 to 24 in part number. Add 5.00" to 19" panel width dim. (i.e.) RWSX18-1-19S-25 becomes RWSX18-1-24S-25.

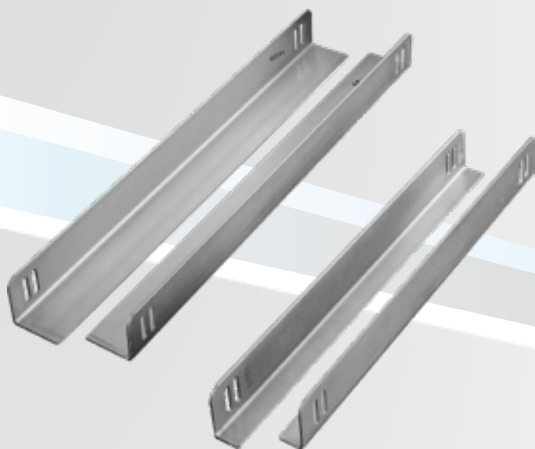
22" depth writing surfaces are also available with radius edges. (ie. RWSX18-1-19S-25 becomes RWSX22-1-19S-25).



Other writing surfaces and frame configurations are available and quoted on request.



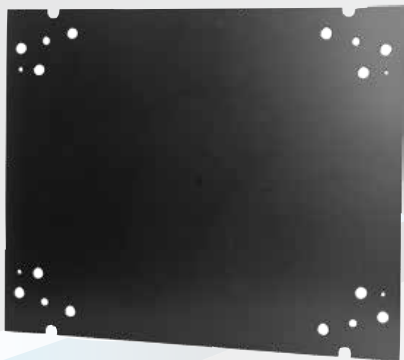
Chassis Guide and Base Plates



Chassis Guides

Chassis guides have a 2" x 2" wide profile and mount to the side flange of the mounting channel. The flanges support component-mounted hardware in a minimal profile. Chassis guides support 150 lbs. and have a clear zinc finish.

Component Depth	CG4 1.00" W x 2.00" H	CG5 2.00" W x 2.00" H
22.00"	CG4-22	CG5-22
25.50"	CG4-25	CG5-25
30.00"	CG4-30	CG5-30
36.00"	CG4-36	CG5-36



Base Plates

Base plates close off the bottom of FX frames. They are available in 19" and 24" panel widths, in depths of 25.5", 30" and 36". Base plates provide protection from the outside environment and can be used as a shelf at the bottom of the rack since they easily mount directly to each of the four caster brackets.

Available in your choice of 11 standard colors.

Frame Depth	Usable Depth	Panel Width	Part Number
36"	31.50"	19"	BAPLX-19-36
30"	25.50"	19"	BAPLX-19-30
25.5"	21.00"	19"	BAPLX-19-25

Note: For 24" panel width, change 19 to 24 in part number. (I.e. BAPLX-19-36 becomes BAPLX-24-36). Add 5.00" to 19" panel width dim.



Lacing Bars, Buss Bar and Basic Power



Lacing Bar C Style
UA-LB2 -2" depth
UA-LB4 -4" depth
UA-LB6 -6" depth



Lacing Bar Straight Style
UA-LB3



Round Lacing Bar
UA-LBR2

Horizontal Lacing Bars

A variety of Lacing Bars are available to tie down power cords or cabling, provide strain relief, or support the rear of rack/shelf mount equipment. Choose from straight or offset options. Offset or C style lacing bars are available in 2", 4" and 6" depths. Lacing bars are supplied with #10-32 mounting screws.

Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

Note: Cannot be used with flush mount doors.

Available in black finish only.

Buss Bar

Vertical buss bars are used to ground your valuable equipment within the rack. Buss Bars are copper, with a 1/4" W x 1" D profile. They feature #10-32 tapped mounting holes.



BBX21 - 21" Panel height frame
BBX31 - 31" Panel height frame
BBX42 - 42" Panel height frame
BBX52 - 52" Panel height frame
BBX61 - 61" Panel height frame
BBX70 - 70" Panel height frame
BBX78 - 78" Panel height frame

Basic 115v Power Strips

Simple vertical or rack mount power strips are available. Our 19" rack mount strip can be mounted to the panel opening in the front or rear of the rack and features six receptacles with an on/off switch. The rack mount brackets can be removed and this strip can be used within the frame as a 17" vertical strip. The 48" vertical strip has 12 receptacles with an on/off switch and attaches to mounting brackets that fasten to the frames side struts.

Part No.	Length	# of Outlets	Circuits	Receptacle Type	Plug Type	Voltage	Plug Type	Power cord length
VPDU	48"	12	(1) 15 amp	NEMA 5-15R	5-15A	115	NEMA 5-15P	10ft.
HPDU	17"	6	(1) 15 amp	NEMA 5-15R	5-15A	115	NEMA 5-15P	10ft.



Vertical Power Strip UA-VPDU



Horizontal Power Strip
UA-HPDU

Other power strips are available, see page 21.

Electrical Outlet Box (EOB) Frame Modification

Electrical Outlet Box (EOB) Frame Modification available and quoted upon request. 15 Amp. - 125v, with ground terminal (Not wired) Mounted in front or rear of FX frame base.



Available and quoted on request.



Casters



Casters

Provisions are included in all standard FX enclosures for caster mounting. Four casters per frame are recommended. Two rigid casters and two swivel casters are the recommended combination for ease of direction control. See chart below for model load ratings and additional height to frame information.

- Casters are available in light, medium and heavy-duty load ratings
- Complete mounting hardware is provided, including brackets and shims
- Casters are sold individually to allow various combinations, except the welded rigid casters (CAX2R), which are sold in pairs
- CAX5 (Heavy-duty, low-profile) and are not available with brake or rigid features

CAX1



CAX2R



CAX2S



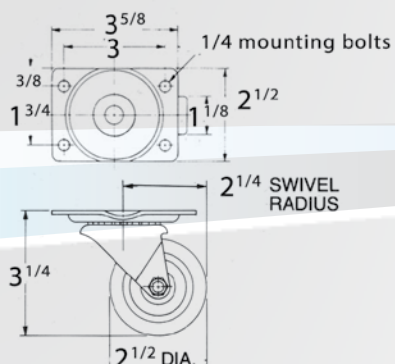
CAX3



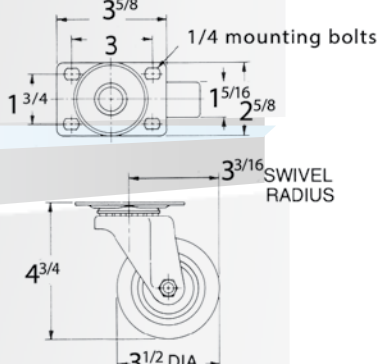
CAX5



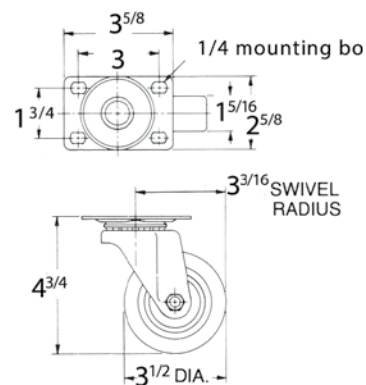
CAX1



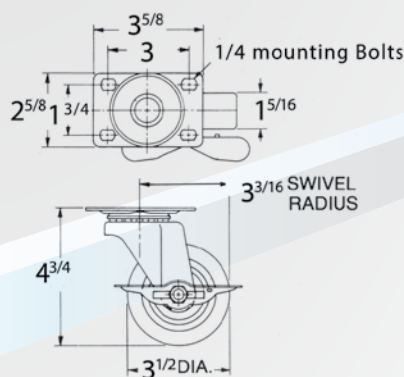
CAX2R



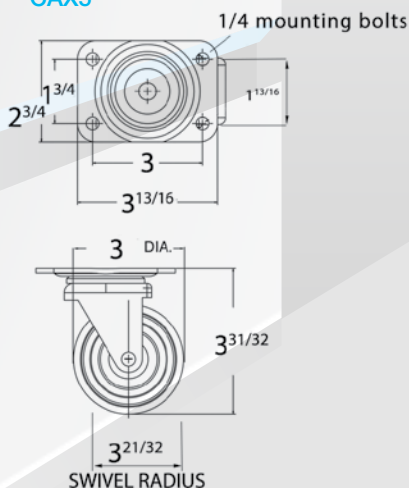
CAX2S



CAX3



CAX5



CAX3 caster with brake and LLFX leveler shown mounted on FX Series frame.

Style	Wheel Size	Load Rating Capacity	Part Number	Added Height to standard frame
Swivel	2.50" Dia.	200 lbs.	CAX1	1 7/16
Swivel	3.5" Dia.	275 lbs.*	CAX2S	3 7/16
Rigid	3.50" Dia.	275 lbs.*	CAX2R	3 7/16
Swivel w/Brake	3.50" Dia.	275 lbs.*	CAX3	3 7/16
Swivel	3" Dia.	600 lbs.*	CAX5	1 21/32



Power



PDU3910N-15-120P1-1510



VPDU Vertical Power
See Page 19









Vertical Power



Power Options

Choose from our standard selection of 120 Volt-15A or 20A, single phase, vertical PDU'S in lengths of 39", 48" and 66" with your choice of straight or twist lock plugs. All PDU's feature a 10' power cord unless otherwise specified. Advanced power options are available and quoted upon request.

Plug and Receptacle Reference Chart

Amp	Volt	Straight-Blade Plug	Straight-Blade Receptacle
15	125	5-15P 	5-15R 
20	125	5-20P 	5-20R 
Amp	Volt	Twist-Lock Plug	Twist-Lock Receptacle
15	125	L5-15P 	L5-15R 
20	125	L5-20P 	L5-20R 

Tested to 1 percent Accuracy

Our line of PDUs pass a rigorous battery of independent U.S. and international accuracy testing. The tests ensure users that our PDUs measure within 1 percent accuracy of power readings recorded at the outlet level and within 1 percent of the voltage, frequency and temperature readings.



HPDU Horizontal Rack Mount Power. See page 19.

Note: If Power Strips will be mounted to rear of frame, be sure to allow adequate open area for placement.

Vertical Power Strip Mounting

When specifying vertical power strips, it is recommended that they mount to the rear of the enclosure to avoid interference with internally mounted equipment. Full depth accessories like shelves, chassis guides and drawers ETC. can also create interference and affect power strip mounting.

Power Specifications

Other power options are available and quoted on request.

Part Number	Length	# of Outlets	Receptacle Type	Amp	Phase	Volts	Circuit Breaker	Plug Type	Power Meter
PDU3910N-15-120P1-1510	39"	10	NEMA 5-15R	15	Single	120V	Yes-Thermal	NEMA 5-15P Straight	NO
PDU3910N-15-120P1-1510T	39"	10	NEMA 5-15R	15	Single	120V	Yes-Thermal	NEMA L5-15P TL	NO
PDU6620N-15-120P1-1510	66"	20	NEMA 5-15R	15	Single	120V	Yes-Thermal	NEMA 5-15P Straight	NO
PDU3910N-20-120P1-2010	39"	10	NEMA 5-20R	20	Single	120V	Yes-Thermal	NEMA 5-20P Straight	NO
PDU3910N-20-120P1-2010T	39"	10	NEMA 5-20R	20	Single	120V	Yes-Thermal	NEMA L5-20P TL	NO
PDU6620N-20-120P1-2010T	66"	20	NEMA 5-20R	20	Single	120V	Yes-Thermal	NEMA L5-20P TL	NO



Aluminum



Aluminum SFS

Our heavy duty aluminum Structural Framing System (SFS) is a simple method of designing and building frames and enclosures to special size and strength requirements. This unique AMCO enclosures system provides the following:

- 13 aluminum extrusions (1.50" OD)
- 8 corner castings (0.125" wall thickness)
- Flanges in the extrusions accommodate .625" formed panels and .125" flat panels
- The system includes locking clips for aluminum castings (non-locking clips available by adding "N" to end of part number (i.e. ALC-1 becomes ALC-1N))
- When reinforced with bolt-on gussets, SFS assemblies can meet MIL-STD-167-1 shock and vibration requirements

Ordering Information:

The SFS can be ordered in the following ways to meet your current and future requirements:

- Completely assembled and shipped ready to load
- In pre-configured or cut-to-size kits (assembly required)
- As bulk material (castings and extrusions you can stock, cut and modify yourself based on per project requirements)

Note: Standard finish is raw material finish (6061-T6 for Extrusions and 356-T6 for Castings). Painting and other finishes are available and quoted upon request.



Aluminum Gusset with Hardware
ALG



Locking Clips
ALC-S



Non-Locking Clips
ALC-SN



Pins
H264

Aluminum Castings (Material: 356-T6 aluminum per ASTM B108)

Castings are furnished with locking clips for assembly to extrusions. Special services available include: machining, hardware installation, marking and packaging.



ALC-1
Three corner
casting



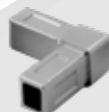
ALC-2
Four ear
corner, joining
or foot casting



ALC-3
0° to 120°
hinged casting



ALC-4
Three ear
corner casting



ALC-5
Two ear corner
casting



ALC-6
Five ear corner
casting



ALC-7
Four ear
(cross) joining
casting "X"

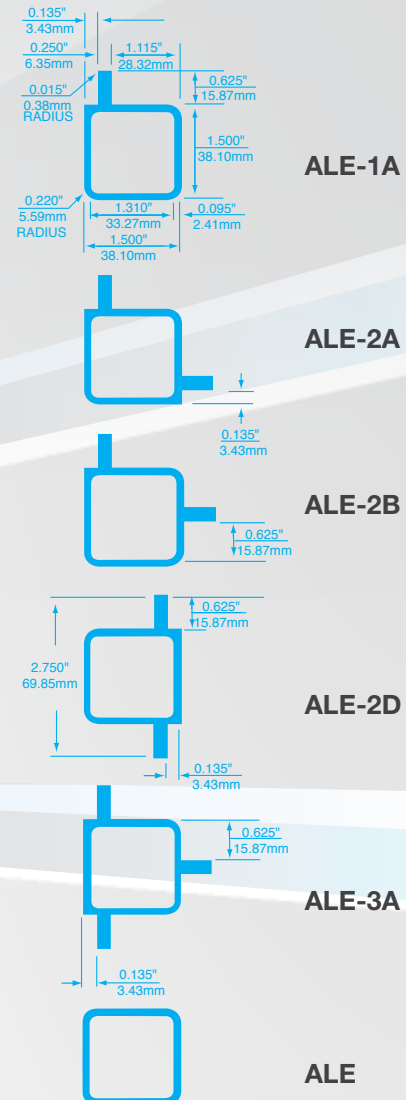
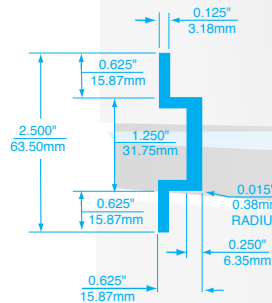
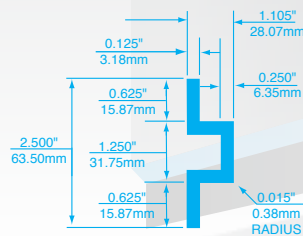
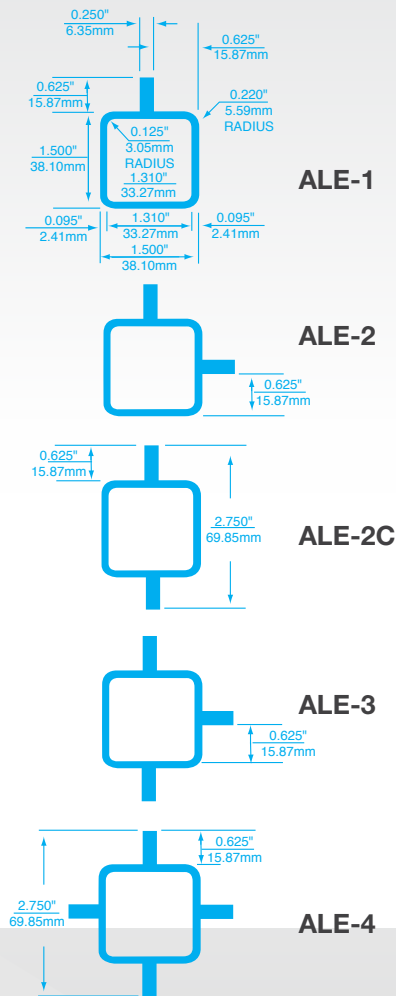


ALC-8
Six ear joining
casting

Note: for non-locking castings, please add "N" to End of Casting part numbers (i.e. ALC-1 becomes ALC-1N for non-locking castings)



SFS Extrusion Profiles



SFS Extrusion Profiles

Maximum extrusion length is 10'. Extrusions are supplied without mounting holes. Extrusions will be pre-cut to length and mitered to 90° angles at no additional cost.

For Flush Mounting 1/8" (3.18mm) Flat Panels

ALE-1A Single flange for corner members 1/8" (3.18mm) flat panel.
 ALE-2A Double flange for corner members 1/8" (3.18mm) flat panel.
 ALE-2B Double flange, corner member for 1/8" (3.18mm) flat panel combination flush and recessed.
 ALE-2D Double flange provides joining member for a variety of panels.
 ALE-3A Triple flange provides joining member for a variety of panels.
 ALE No flanges.

For Flush Mounting 5/8" (15.88mm) Formed Panels or Recessing 1/8" (3.18mm) Flat Panels

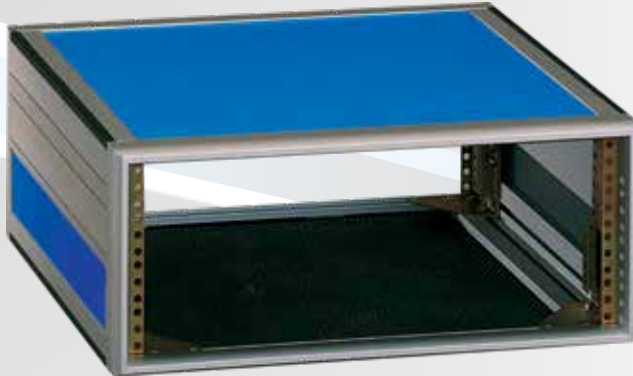
ALE-1 Single flange used as corner member flush 5/8" (15.88mm) or recessed 1/8" (3.18mm) panels.
 ALE-2 Double flange used as corner member flush 5/8" (15.88mm) or recessed 1/8" (3.18mm) panels.
 ALE-2C Double flange provides joining member for mounting flush 5/8" (15.88mm) panels.
 ALE-3 Triple flange provides joining member for mounting flush 5/8" (15.88mm) or recessed 1/8" (3.18mm) panels.
 ALE-4 Quad flange provides center support joining member for internal mounting flush 5/8" (15.88mm) or recessed 1/8" (3.18mm) panels.

Accessory Mounting Channels

ALS-A Horizontal support member used with ALE-1A, -2A, -2B and -3A frame members for mounting ALM.
 ALS Horizontal support member used with ALE-1, -2 and -3 frame members for mounting ALM.



PDMTA Desktop Cabinets



PDMTA Desktop Cabinets

PDMTA desktop cabinets feature radius edge styling. They are available in 19" and 24" panel widths. Desktop cabinets can be modified for custom applications. (*Special sizes and color options are quoted on request*)

All AMCO desktop cabinets are available with an optional concealed handle for easy, ergonomic transport. Protective rubber feet are standard.

18.5" depth PDMTA desktop cabinets are capable of utilizing light duty shelves, as the shelves have a 16" depth. For 25.75" depth cabinets, light duty and heavy duty shelves can be used. Solid and louvered enclosure panels are also available. (*See accessory pages located in the front of this book*)

PDMTA Desktop Cabinets

RU Height	Part Number	Panel Width	Panel Height A	Overall Height B	Cabinet Depth C
12	PDMTA21-19-25-PT	19"	21.00"	22.43"	25.75"
12	PDMTA21-19-18-PT	19"	21.00"	22.43"	18.5"
10	PDMTA17-19-25-PT	19"	17.5"	18.93"	25.75"
10	PDMTA17-19-18-PT	19"	17.5"	18.93"	18.5"
8	PDMTA14-19-25-PT	19"	14.00"	15.43"	25.75"
8	PDMTA14-19-18-PT	19"	14.00"	15.43"	18.5"
6	PDMTA10-19-25-PT	19"	10.5"	11.93"	25.75"
6	PDMTA10-19-18-PT	19"	10.5"	11.93"	18.5"
4	PDMTA7-19-25-PTA	19"	7.00"	8.43"	25.75"
4	PDMTA7-19-18-PTA	19"	7.00"	8.43"	18.5"
3	PDMTA5-19-25-PTA	19"	5.25"	6.68"	25.75"
3	PDMTA5-19-18-PTA	19"	5.25"	6.68"	18.5"
2	PDMTA3-19-25-PTA	19"	3.5"	4.93"	25.75"
2	PDMTA3-19-18-PT	19"	3.5"	4.93"	18.5"

PDMTA Desktop Cabinet Features:

- EIA Standard 310D
- Aluminum framing system with clear anodized aluminum radius styling
- Fixed vertical mounting channels, front and rear
- Cabinets are supplied open front and rear
- Protective front-to-back vinyl bumper inserts and four rubber feet
- Black expanded aluminum bottom panel
- Uses most standard accessories

Note: For 24" panel opening width, change 19 to 24 in part number. (i.e. PDMTA3-19-18-PT becomes PDMTA3-24-18-PT). Add 5.00" to 19" panel width dim.

Note: If handles are desired for PDMTA cabinets, add "-H" to end of part number. Handles are optional at additional cost. Handle is not available on PDMTA3 cabinets. Handles cannot be ordered separately; they must be ordered with cabinet.

Available in your choice of 11 standard colors.

Panel Color Options

										
Pottery White 101-T	Light Blue 111-T	Silver 112-T	Gunmetal 113-T	Black 116-T	Pearl Gray 122-T	Pebble Gray 123-T	Light Beige 125-T	Cranberry 126-T	Medium Blue 816-T	Glacier White XCP-151T

Note: Add color number at end of rack part number (i.e. PDMTA3-19-18-PT becomes PDMTA3-19-18-PT-101-T)

Note: AMCO offers standard color choices (up to 2 per console) for no extra charge. Custom colors are available and quoted on request.





Handles

Optional concealed handles are available for easy, ergonomic transport.



Bottom Panel

PDMTA cabinets come with black expanded aluminum bottom panels.



Rubber Feet

Protective vinyl bumper inserts and rubber feet come standard with PDMTA Cabinets.



Frame

Cabinets utilize aluminum framing system with clear anodized aluminum radius styling.

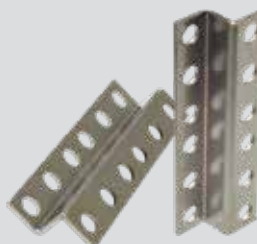
Note: Image above displays a custom powder coat finish.

PDMTA Mounting Accessories



IMB Brackets

IMBs are for a single accessory. They mount to the sides of the PDMTA "L" style internal mounting rail. There is one height of 2.16" and depth of 1.37". It features round holes for equipment mounting.



IMA Brackets

IMAs are used when multiple accessories are part of the design. They are available in all seven RU heights and have a depth of 1.37". IMA brackets feature round holes for equipment mounting.



FFR Racks



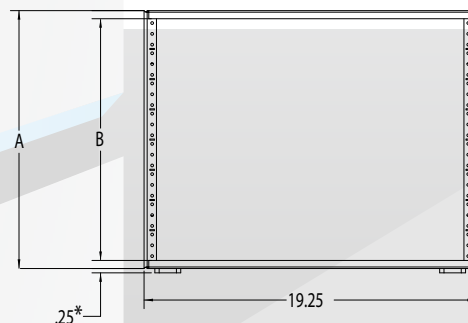
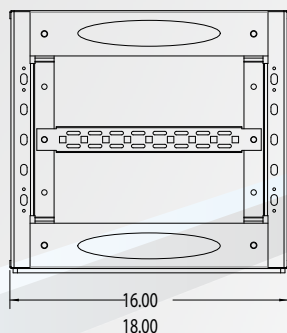
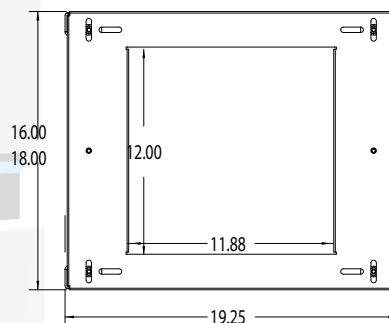
FFR Rack

FFR racks feature a fully welded construction. The FFR is 19.25" wide and is available in depths of 16" and 18", with RU height options of 8 through 14. Anchoring holes are included in the top, bottom and sides for flexible mounting to credenzas, lecterns and similar furniture. The FFR slides easily in and out of cabinet without scratching surfaces as each rack contains 2 ea. Delrin runners that run front-to-rear of the rack. Shelves, lacing bars and other accessories are available to expand your rack's capabilities.

- Available in 19" panel width and depths of 16" and 18"
- RU heights of 8RU through 14RU

Note: Not available in 24" panel widths.

Available in black finish only.



RU Height	Overall Height A	Usable Height B	16" Depth (Usable)	18" Depth (Usable)
8RU	14.94"	15.19"	FFR-8U-16	FFR-8U-18
9RU	16.94"	16.94"	FFR-9U-16	FFR-9U-18
10RU	18.69"	18.69"	FFR-10U-16	FFR-10U-18
11RU	20.44"	20.44"	FFR-11U-16	FFR-11U-18
12RU	21.94"	22.19"	FFR-12U-16	FFR-12U-18
13RU	23.69"	23.94"	FFR-13U-16	FFR-13U-18
14RU	25.44"	25.44"	FFR-14U-16	FFR-14U-18

**Note: Two Delrin runners are included in base for desktop applications.*



Wall Mount Rack



WMR Wall Mount Rack

The WMR wall mount rack has been designed as a cost effective, smaller system solution for mounting electronics equipment in secured and non-secured areas. The back panel has cutouts in rear and knock-outs in top and bottom to accommodate electrical outlets, conduit and cabling.

- The WMR is available in RU height options of 12 and 18, in a 24" width and depths of 17", 22" and 28"
- WMR features a fully welded construction and has a load rating of 250 lbs.
- Reversible front doors are available in solid, vented and polycarbonate
- All doors feature a keyed lock for secured access
- Two pair of fully adjustable mounting rails are included

Note: Unit mounts to wall as right hand hinged, left hand option is available on request.

Available in black finish only.

Solid Door

RU Height	Overall Height	Part Number 17" Depth*	Part Number 22" Depth*	Part Number 28" Depth*
12RU	24.25"	WMRS-12U17-V	WMRS-12U22-V	WMRS-12U28-V
18RU	34.75"	WMRS-18U17-V	WMRS-18U22-V	WMRS-18U28-V

Polycarbonate Door

RU Height	Overall Height	Part Number 17" Depth*	Part Number 22" Depth*	Part Number 28" Depth*
12RU	24.25"	WMRP-12U17-V	WMRP-12U22-V	WMRP-12U28-V
18RU	34.75"	WMRP-18U17-V	WMRP-18U22-V	WMRP-18U28-V

Vented Door

RU Height	Overall Height	Part Number 17" Depth*	Part Number 22" Depth*	Part Number 28" Depth*
12RU	24.25"	WMRV-12U17-V	WMRV-12U22-V	WMRV-12U28-V
18RU	34.75"	WMRV-18U17-V	WMRV-18U22-V	WMRV-18U28-V

**Front door adds 2" to overall depth dimension.*



Shown with accessories.

WMR Fan Panel Kit



Fan Panel Kit
WMR-FK

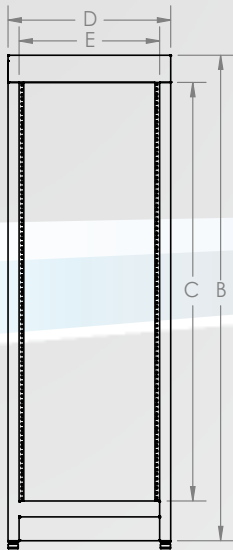
The fan kit includes two 115V AC fans, with a 4" diameter that deliver 60 CFM at 27db each. The fan kit also includes fan guards, a 5' power cord with ground, and mounting hardware.



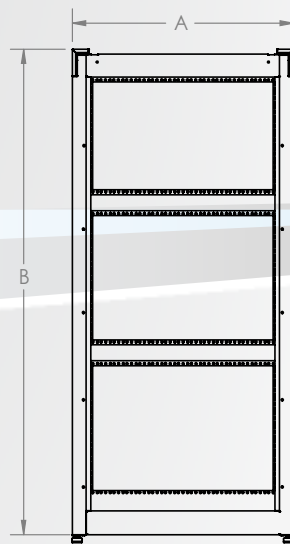
Technical - FX Frames



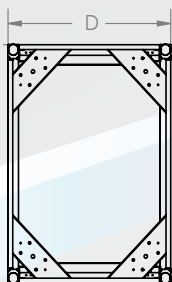
TOP VIEW



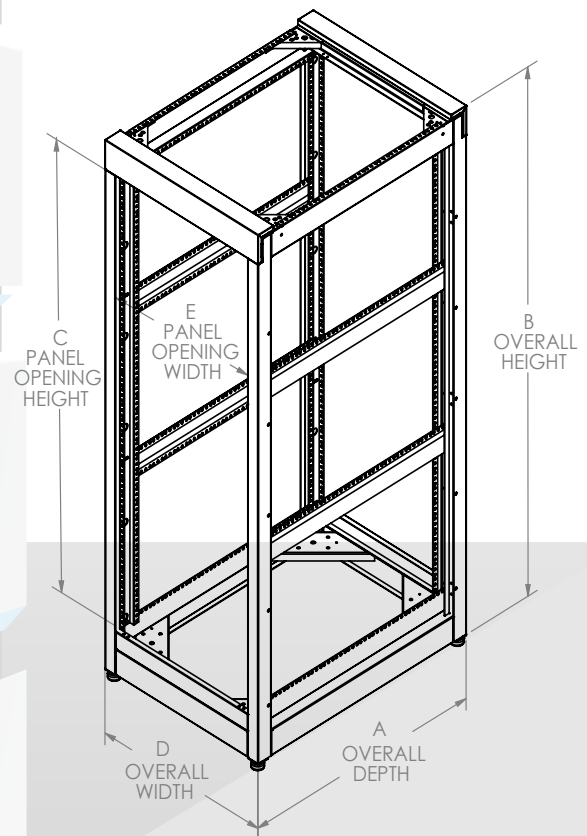
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



Static Load rating is 3,500 lbs
 FX Frames are certified to
 MIL STD 901D for Shock
 MIL STD 810E for Vibration.

Available in your choice of 11 standard colors.

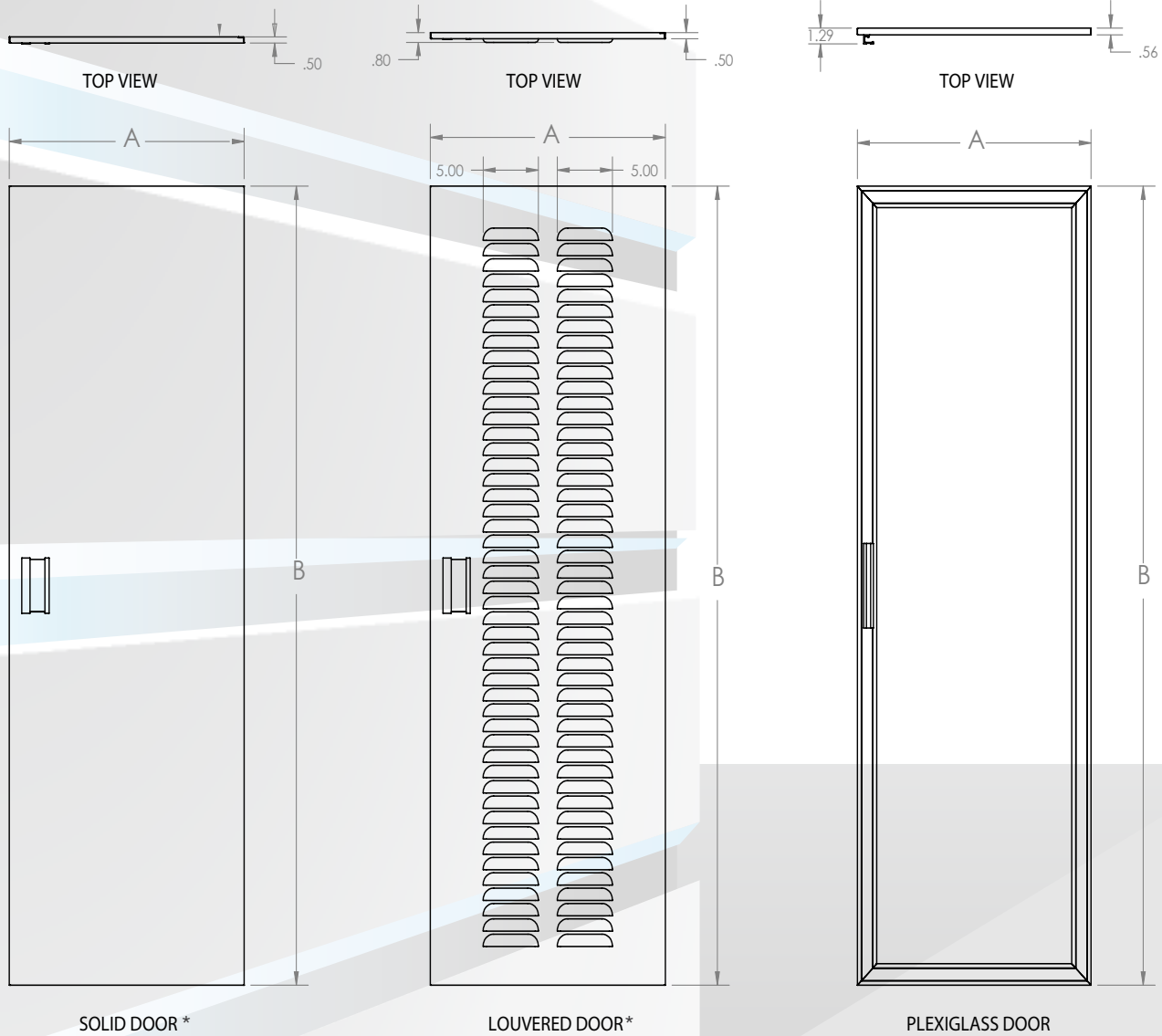


Technical - FX Frames

Part No	Dimensions				
	A	B	C	D	E
FX21-19-25	25.50	29.56	21.12	22.06	19.06
FX31-19-25	25.50	40.06	31.62	22.06	19.06
FX42-19-25	25.50	50.56	42.12	22.06	19.06
FX52-19-25	25.50	61.06	52.62	22.06	19.06
FX61-19-25	25.50	69.81	61.38	22.06	19.06
FX70-19-25	25.50	78.56	70.12	22.06	19.06
FX78-19-25	25.50	87.31	78.88	22.06	19.06
FX21-19-30	30.00	29.56	21.12	22.06	19.06
FX31-19-30	30.00	40.06	31.62	22.06	19.06
FX42-19-30	30.00	50.56	42.12	22.06	19.06
FX52-19-30	30.00	61.06	52.62	22.06	19.06
FX61-19-30	30.00	69.81	61.38	22.06	19.06
FX70-19-30	30.00	78.56	70.12	22.06	19.06
FX78-19-30	30.00	87.31	78.88	22.06	19.06
FX21-19-36	36.00	29.56	21.12	22.06	19.06
FX31-19-36	36.00	40.06	31.62	22.06	19.06
FX42-19-36	36.00	50.56	42.12	22.06	19.06
FX52-19-36	36.00	61.06	52.62	22.06	19.06
FX61-19-36	36.00	69.81	61.38	22.06	19.06
FX70-19-36	36.00	78.56	70.12	22.06	19.06
FX78-19-36	36.00	87.31	78.88	22.06	19.06
FX21-24-25	25.50	29.56	21.12	27.06	24.06
FX31-24-25	25.50	40.06	31.62v	27.06	24.06
FX42-24-25	25.50	50.56	42.12	27.06	24.06
FX52-24-25	25.50	61.06	52.62	27.06	24.06
FX61-24-25	25.50	69.81	61.38	27.06	24.06
FX70-24-25	25.50	78.56	70.12	27.06	24.06
FX78-24-25	25.50	87.31	78.88	27.06	24.06
FX21-24-30	30.00	29.56	21.12	27.06	24.06
FX31-24-30	30.00	40.06	31.62	27.06	24.06
FX42-24-30	30.00	50.56	42.12	27.06	24.06
FX52-24-30	30.00	61.06	52.62	27.06	24.06
FX61-24-30	30.00	69.81	61.38	27.06	24.06
FX70-24-30	30.00	78.56	70.12	27.06	24.06
FX78-24-30	30.00	87.31	78.88	27.06	24.06
FX21-24-36	36.00	29.56	21.12	27.06	24.06
FX31-24-36	36.00	40.06	31.62	27.06	24.06
FX42-24-36	36.00	50.56	42.12	27.06	24.06
FX52-24-36	36.00	61.06	52.62	27.06	24.06
FX61-24-36	36.00	69.81	61.38	27.06	24.06
FX70-24-36	36.00	78.56	70.12	27.06	24.06
FX78-24-36	36.00	87.31	78.88	27.06	24.06



Technical - Face Mount Doors



*Available in your choice of 11 standard colors.

Brushed aluminum finish.



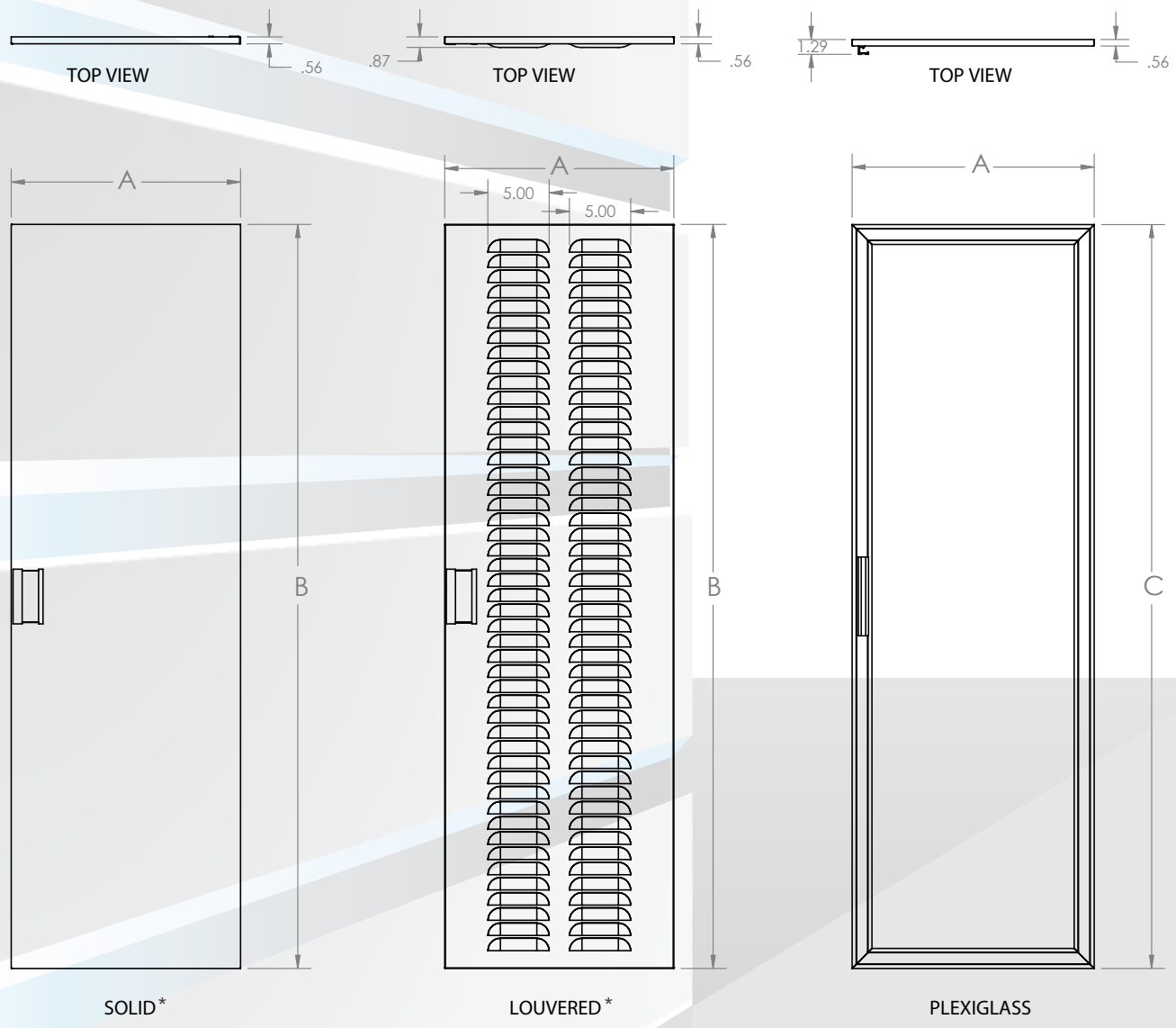
Technical - Face Mount Doors

Part No.		Dimensions	
Solid	Louvered	A	B
DIF21-19L	DIF21-19L-L	21.31	24.81
DIF21-19LK	DIF21-19LK-L	21.31	24.81
DIF21-19R	DIF21-19R-L	21.31	24.81
DIF21-19RK	DIF21-19RK-L	21.31	24.81
DIF21-24L	DIF21-24L-L	26.31	24.81
DIF21-24LK	DIF21-24LK-L	26.31	24.81
DIF21-24LR	DIF21-24LR-L	26.31	24.81
DIF21-24LRK	DIF21-24LRK-L	26.31	24.81
DIF31-19L	DIF31-19L-L	21.31	35.31
DIF31-19LK	DIF31-19LK-L	21.31	35.31
DIF31-19R	DIF31-19R-L	21.31	35.31
DIF31-19RK	DIF31-19RK-L	21.31	35.31
DIF31-24L	DIF31-24L-L	26.31	35.31
DIF31-24LK	DIF31-24LK-L	26.31	35.31
DIF31-24R	DIF31-24R-L	26.31	35.31
DIF31-24RK	DIF31-24RK-L	26.31	35.31
DIF42-19L	DIF42-19L-L	21.31	45.81
DIF42-19LK	DIF42-19LK-L	21.31	45.81
DIF42-19R	DIF42-19R-L	21.31	45.81
DIF42-19RK	DIF42-19RK-L	21.31	45.81
DIF42-24L	DIF42-24L-L	26.31	45.81
DIF42-24LK	DIF42-24LK-L	26.31	45.81
DIF42-24R	DIF42-24R-L	26.31	45.81
DIF42-24RK	DIF42-24RK-L	26.31	45.81
DI52-19L	DI52-19L-L	21.31	56.31
DI52-19LK	DI52-19LK-L	21.31	56.31
DI52-19R	DI52-19R-L	21.31	56.31
DI52-19RK	DI52-19RK-L	21.31	56.31
DI52-24L	DI52-24L-L	26.31	56.31
DI52-24LK	DI52-24LK-L	26.31	56.31
DI52-24R	DI52-24R-L	26.31	56.31
DI52-24RK	DI52-24RK-L	26.31	56.31
DI61-19L	DI61-19L-L	21.31	65.06
DI61-19LK	DI61-19LK-L	21.31	65.06
DI61-19R	DI61-19R-L	21.31	65.06
DIF61-19RK	DIF61-19RK-L	21.31	65.06
DIF61-24L	DIF61-24L-L	26.31	65.06
DIF61-24LK	DIF61-24LK-L	26.31	65.06
DIF61-24R	DIF61-24R-L	26.31	65.06
DIF61-24RK	DIF61-24RK-L	26.31	65.06
DIF70-19L	DIF70-19L-L	21.31	73.81
DIF70-19LK	DIF70-19LK-L	21.31	73.81
DIF70-19R	DIF70-19R-L	21.31	73.81
DIF70-19RK	DIF70-19RK-L	21.31	73.81
DIF70-24L	DIF70-24L-L	26.31	73.81
DIF70-24LK	DIF70-24LK-L	26.31	73.81
DIF70-24R	DIF70-24R-L	26.31	73.81
DIF70-24RK	DIF70-24RK-L	26.31	73.81
DIF78-19L	DIF78-19L-L	21.31	82.56
DIF78-19LK	DIF78-19LK-L	21.31	82.56
DIF78-19R	DIF78-19R-L	21.31	82.56
DIF78-19RK	DIF78-19RK-L	21.31	82.56
DIF78-24L	DIF78-24L-L	26.31	82.56
DIF78-24LK	DIF78-24LK-L	26.31	82.56
DIF78-24R	DIF78-24R-L	26.31	82.56
DIF78-24RK	DIF78-24RK-L	26.31	82.56

Part No.	Dimensions	
Plexiglas	A	B
DPIF21-19L	21.19	24.81
DPIF21-19LK	21.19	24.81
DPIF21-19R	21.19	24.81
DPIF21-19RK	21.19	24.81
DPIF21-24L	26.19	24.81
DPIF21-24LK	26.19	24.81
DPIF21-24R	26.19	24.81
DPIF21-24RK	26.19	24.81
DPIF31-19L	21.19	35.31
DPIF31-19LK	21.19	35.31
DPIF31-19R	21.19	35.31
DPIF31-19RK	21.19	35.31
DPIF31-24L	26.19	35.31
DPIF31-24LK	26.19	35.31
DPIF31-24R	26.19	35.31
DPIF31-24RK	26.19	35.31
DPIF42-19L	21.19	45.81
DPIF42-19LK	21.19	45.81
DPIF42-19R	21.19	45.81
DPIF42-19RK	21.19	45.81
DPIF42-24L	26.19	45.81
DPIF42-24LK	26.19	45.81
DPIF42-24R	26.19	45.81
DPIF42-24RK	26.19	45.81
DPIF52-19L	21.19	56.31
DPIF52-19LK	21.19	56.31
DPIF52-19R	21.19	56.31
DPIF52-19RK	21.19	56.31
DPIF52-24L	26.19	56.31
DPIF52-24LK	26.19	56.31
DPIF52-24R	26.19	56.31
DPIF52-24RK	26.19	56.31
DPIF61-19L	21.19	65.06
DPIF61-19LK	21.19	65.06
DPIF61-19R	21.19	65.06
DPIF61-19RK	21.19	65.06
DPIF61-24L	26.19	65.06
DPIF61-24LK	26.19	65.06
DPIF61-24R	26.19	65.06
DPIF61-24RK	26.19	65.06
DPIF70-19L	21.19	73.81
DPIF70-19LK	21.19	73.81
DPIF70-19R	21.19	73.81
DPIF70-19RK	21.19	73.81
DPIF70-24L	26.19	73.81
DPIF70-24LK	26.19	73.81
DPIF70-24R	26.19	73.81
DPIF70-24RK	26.19	73.81
DPIF78-19L	21.19	82.56
DPIF78-19LK	21.19	82.56
DPIF78-19R	21.19	82.56
DPIF78-19RK	21.19	82.56
DPIF78-24L	26.19	82.56
DPIF78-24LK	26.19	82.56
DPIF78-24R	26.19	82.56
DPIF78-24RK	26.19	82.56



Technical - Flush Mount Doors



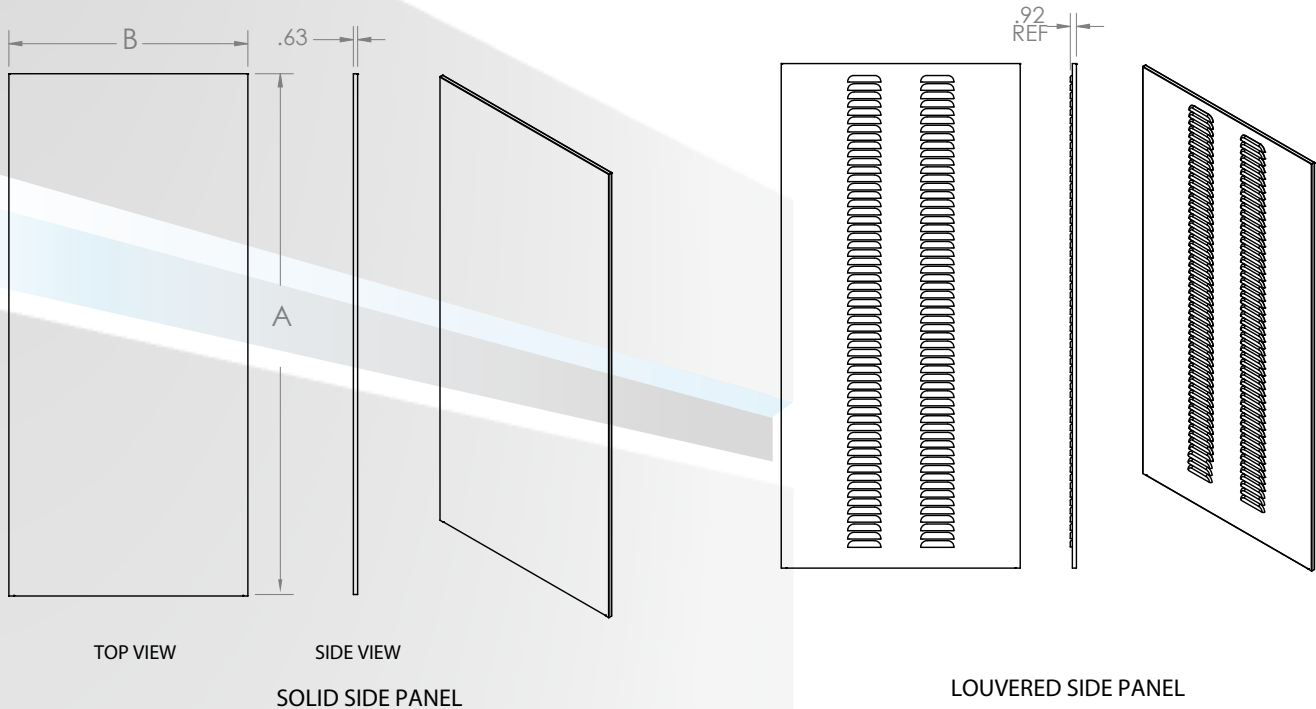
*Available in your choice of 11 standard colors. Brushed aluminum finish.

Technical - Flush Mount Doors

Part Nos.						Dimensions		
Solid		Louvered		Plexi				
Channel Mount	Frame Mount	Channel Mount	Frame Mount	Channel Mount	Frame Mount	A	B	C
DFH21-19L	DFHFE21-19L	DFH21-19L-L	DFHFE21-19L-L	DPF21-19L	DPFE21-19L	18.88	21.00	20.88
DFH21-19LK	DFHFE21-19LK	DFH21-19LK-L	DFHFE21-19LK-L	DPF21-19LK	DPFE21-19LK	18.88	21.00	20.88
DFH21-19R	DFHFE21-19R	DFH21-19R-L	DFHFE21-19R-L	DPF21-19R	DPFE21-19Rv	18.88	21.00	20.88
DFH21-19RK	DFHFE21-19RK	DFH21-19RK-L	DFHFE21-19RK-L	DPF21-19RK	DPFE21-19RK	18.88	21.00	20.88
DFH21-24L	DFHFE21-24L	DFH21-24L-L	DFHFE21-24L-L	DPF21-24L	DPFE21-24L	23.88	21.00	20.88
DFH21-24LK	DFHFE21-24LK	DFH21-24LK-L	DFHFE21-24LK-L	DPF21-24LK	DPFE21-24LK	23.88	21.00	20.88
DFH21-24R	DFHFE21-24R	DFH21-24R-L	DFHFE21-24R-L	DPF21-24R	DPFE21-24R	23.88	21.00	20.88
DFH21-24RK	DFHFE21-24RK	DFH21-24RK-L	DFHFE21-24RK-L	DPF21-24RK	DPFE21-24RK	23.88	21.00	20.88
DFH31-19L	DFHFE31-19L	DFH31-19L-L	DFHFE31-19L-L	DPF31-19L	DPFE31-19L	18.88	31.50	31.38
DFH31-19LK	DFHFE31-19LK	DFH31-19LK-L	DFHFE31-19LK-L	DPF31-19LK	DPFE31-19LK	18.88	31.50	31.38
DFH31-19R	DFHFE31-19R	DFH31-19R-L	DFHFE31-19R-L	DPF31-19R	DPFE31-19R	18.88	31.50	31.38
DFH31-19RK	DFHFE31-19RK	DFH31-19RK-L	DFHFE31-19RK-L	DPF31-19RK	DPFE31-19RK	18.88	31.50	31.38
DFH31-24L	DFHFE31-24L	DFH31-24L-L	DFHFE31-24L-L	DPF31-24L	DPFE31-24L	23.88	31.50	31.38
DFH31-24LK	DFHFE31-24LK	DFH31-24LK-L	DFHFE31-24LK-L	DPF31-24LK	DPFE31-24LK	23.88	31.50	31.38
DFH31-24R	DFHFE31-24R	DFH31-24R-L	DFHFE31-24R-L	DPF31-24R	DPFE31-24R	23.88	31.50	31.38
DFH31-24RK	DFHFE31-24RK	DFH31-24RK-L	DFHFE31-24RK-L	DPF31-24RK	DPFE31-24RK	23.88	31.50	31.38
DFH42-19L	DFHFE42-19L	DFH42-19L-L	DFHFE42-19L-L	DPF42-19L	DPFE42-19L	18.88	42.00	41.88
DFH42-19LK	DFHFE42-19LK	DFH42-19LK-L	DFHFE42-19LK-L	DPF42-19LK	DPFE42-19LK	18.88	42.00	41.88
DFH42-19R	DFHFE42-19R	DFH42-19R-L	DFHFE42-19R-L	DPF42-19R	DPFE42-19R	18.88	42.00	41.88
DFH42-19RK	DFHFE42-19RK	DFH42-19RK-L	DFHFE42-19RK-L	DPF42-19RK	DPFE42-19RK	18.88	42.00	41.88
DFH42-24L	DFHFE42-24L	DFH42-24L-L	DFHFE42-24L-L	DPF42-24L	DPFE42-24L	23.88	42.00	41.88
DFH42-24LK	DFHFE42-24LK	DFH42-24LK-L	DFHFE42-24LK-L	DPF42-24LK	DPFE42-24LK	23.88	42.00	41.88
DFH42-24R	DFHFE42-24R	DFH42-24R-L	DFHFE42-24R-L	DPF42-24R	DPFE42-24R	23.88	42.00	41.88
DFH42-24RK	DFHFE42-24RK	DFH42-24RK-L	DFHFE42-24RK-L	DPF42-24RK	DPFE42-24RK	23.88	42.00	41.88
DFH52-19L	DFHFE52-19L	DFH52-19L-L	DFHFE52-19L-L	DPF52-19L	DPFE52-19L	18.88	52.50	51.38
DFH52-19LK	DFHFE52-19LK	DFH52-19LK-L	DFHFE52-19LK-L	DPF52-19LK	DPFE52-19LK	18.88	52.50	51.38
DFH52-19R	DFHFE52-19R	DFH52-19R-L	DFHFE52-19R-L	DPF52-19R	DPFE52-19R	18.88	52.50	51.38
DFH52-19RK	DFHFE52-19RK	DFH52-19RK-L	DFHFE52-19RK-L	DPF52-19RK	DPFE52-19RK	18.88	52.50	51.38
DFH52-24L	DFHFE52-24L	DFH52-24L-L	DFHFE52-24L-L	DPF52-24L	DPFE52-24L	23.88	52.50	51.38
DFH52-24LK	DFHFE52-24LK	DFH52-24LK-L	DFHFE52-24LK-L	DPF52-24LK	DPFE52-24LK	23.88	52.50	51.38
DFH52-24R	DFHFE52-24R	DFH52-24R-L	DFHFE52-24R-L	DPF52-24R	DPFE52-24R	23.88	52.50	51.38
DFH52-24RK	DFHFE52-24RK	DFH52-24RK-L	DFHFE52-24RK-L	DPF52-24RK	DPFE52-24RK	23.88	52.50	51.38
DFH61-19L	DFHFE61-19L	DFH61-19L-L	DFHFE61-19L-L	DPF61-19L	DPFE61-19L	18.88	61.25	61.12
DFH61-19LK	DFHFE61-19LK	DFH61-19LK-L	DFHFE61-19LK-L	DPF61-19LK	DPFE61-19LK	18.88	61.25	61.12
DFH61-19R	DFHFE61-19R	DFH61-19R-L	DFHFE61-19R-L	DPF61-19R	DPFE61-19R	18.88	61.25	61.12
DFH61-19RK	DFHFE61-19RK	DFH61-19RK-L	DFHFE61-19RK-L	DPF61-19RK	DPFE61-19RK	18.88	61.25	61.12
DFH61-24L	DFHFE61-24L	DFH61-24L-L	DFHFE61-24L-L	DPF61-24L	DPFE61-24L	23.88	61.25	61.12
DFH61-24LK	DFHFE61-24LK	DFH61-24LK-L	DFHFE61-24LK-L	DPF61-24LK	DPFE61-24LK	23.88	61.25	61.12
DFH61-24R	DFHFE61-24R	DFH61-24R-L	DFHFE61-24R-L	DPF61-24R	DPFE61-24R	23.88	61.25	61.12
DFH61-24RK	DFHFE61-24RK	DFH61-24RK-L	DFHFE61-24RK-L	DPF61-24RK	DPFE61-24RK	23.88	61.25	61.12
DFH70-19L	DFHFE70-19L	DFH70-19L-L	DFHFE70-19L-L	DPF70-19L	DPFE70-19L	18.88	70.00	69.88
DFH70-19LK	DFHFE70-19LK	DFH70-19LK-L	DFHFE70-19LK-L	DPF70-19LK	DPFE70-19LK	18.88	70.00	69.88
DFH70-19R	DFHFE70-19R	DFH70-19R-L	DFHFE70-19R-L	DPF70-19R	DPFE70-19R	18.88	70.00	69.88
DFH70-19RK	DFHFE70-19RK	DFH70-19RK-L	DFHFE70-19RK-L	DPF70-19RK	DPFE70-19RK	18.88	70.00	69.88
DFH70-24L	DFHFE70-24L	DFH70-24L-L	DFHFE70-24L-L	DPF70-24L	DPFE70-24L	23.88	70.00	69.88
DFH70-24LK	DFHFE70-24LK	DFH70-24LK-L	DFHFE70-24LK-L	DPF70-24LK	DPFE70-24LK	23.88	70.00	69.88
DFH70-24R	DFHFE70-24R	DFH70-24R-L	DFHFE70-24R-L	DPF70-24R	DPFE70-24R	23.88	70.00	69.88
DFH70-24RK	DFHFE70-24RK	DFH70-24RK-L	DFHFE70-24RK-L	DPF70-24RK	DPFE70-24RK	23.88	70.00	69.88
DFH78-19L	DFHFE78-19L	DFH78-19L-L	DFHFE78-19L-L	DPF78-19L	DPFE78-19L	18.88	78.75	78.62
DFH78-19LK	DFHFE78-19LK	DFH78-19LK-L	DFHFE78-19LK-L	DPF78-19LK	DPFE78-19LK	18.88	78.75	78.62
DFH78-19R	DFHFE78-19R	DFH78-19R-L	DFHFE78-19R-L	DPF78-19R	DPFE78-19R	18.88	78.75	78.62
DFH78-19RK	DFHFE78-19RK	DFH78-19RK-L	DFHFE78-19RK-L	DPF78-19RK	DPFE78-19RK	18.88	78.75	78.62
DFH78-24L	DFHFE78-24L	DFH78-24L-L	DFHFE78-24L-L	DPF78-24L	DPFE78-24L	23.88	78.75	78.62
DFH78-24LK	DFHFE78-24LK	DFH78-24LK-L	DFHFE78-24LK-L	DPF78-24LK	DPFE78-24LK	23.88	78.75	78.62
DFH78-24R	DFHFE78-24R	DFH78-24R-L	DFHFE78-24R-L	DPF78-24R	DPFE78-24R	23.88	78.75	78.62
DFH78-24RK	DFHFE78-24RK	DFH78-24RK-L	DFHFE78-24RK-L	DPF78-24RK	DPFE78-24RK	23.88	78.75	78.62



Technical - Side Panels

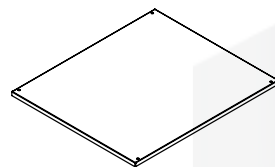
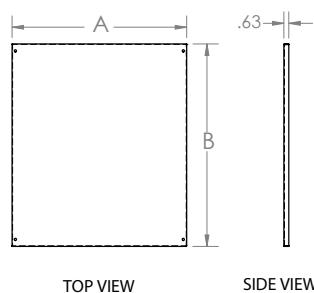


Part No.				Dimensions	
Solid Bolt-On	Solid Lift-Off	Louvered Bolt-On	Louvered Lift-Off	A	B
QSN21-25	QSN21-25-LO	QSN21-25-L	QSN21-25-L-LO	26.56	25.50
QSN21-30	QSN21-30-LO	QSN21-30-L	QSN21-30-L-LO	26.56	30.00
QSN21-36	QSN21-36-LO	QSN21-36-L	QSN21-36-L-LO	26.56	36.00
QSN31-25	QSN31-25-LO	QSN31-25-L	QSN31-25-L-LO	37.06	25.50
QSN31-30	QSN31-30-LO	QSN31-30-L	QSN31-30-L-LO	37.06	30.00
QSN31-36	QSN31-36-LO	QSN31-36-L	QSN31-36-L-LO	37.06	36.00
QSN42-25	QSN42-25-LO	QSN42-25-L	QSN42-25-L-LO	47.56	25.50
QSN42-30	QSN42-30-LO	QSN42-30-L	QSN42-30-L-LO	47.56	30.00
QSN42-36	QSN42-36-LO	QSN42-36-L	QSN42-36-L-LO	47.56	36.00
QSN52-25	QSN52-25-LO	QSN52-25-L	QSN52-25-L-LO	58.06	25.50
QSN52-30	QSN52-30-LO	QSN52-30-L	QSN52-30-L-LO	58.06	30.00
QSN52-36	QSN52-36-LO	QSN52-36-L	QSN52-36-L-LO	58.06	36.00
QSN61-25	QSN61-25-LO	QSN61-25-L	QSN61-25-L-LO	66.81	25.50
QSN61-30	QSN61-30-LO	QSN61-30-L	QSN61-30-L-LO	66.81	30.00
QSN61-36	QSN61-36-LO	QSN61-36-L	QSN61-36-L-LO	66.81	36.00
QSN70-25	QSN70-25-LO	QSN70-25-L	QSN70-25-L-LO	75.56	25.50
QSN70-30	QSN70-30-LO	QSN70-30-L	QSN70-30-L-LO	75.56	30.00
QSN70-36	QSN70-36-LO	QSN70-36-L	QSN70-36-L-LO	75.56	36.00
QSN78-25	QSN78-25-LO	QSN78-25-L	QSN78-25-L-LO	84.31	25.50
QSN78-30	QSN78-30-LO	QSN78-30-L	QSN78-30-L-LO	84.31	30.00
QSN78-36	QSN78-36-LO	QSN78-36-L	QSN78-36-L-LO	84.31	36.00

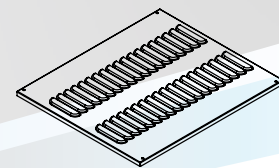
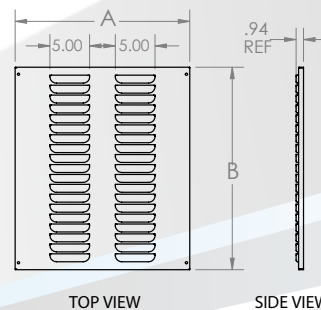
Available in your choice of 11 standard colors.



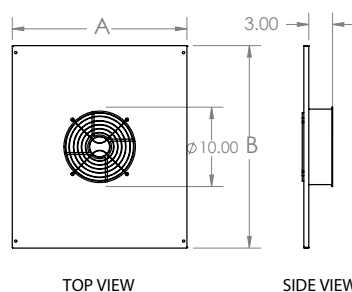
Technical - Top Panels



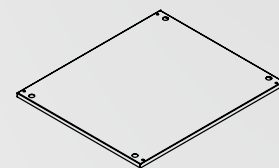
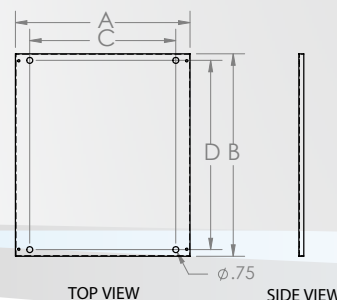
SOLID TOP PANEL
PERFORATED TOP PANELS
ALSO HAVE SAME DIMENSIONS



LOUVERED TOP PANEL
LOUVERED LIFT-EYE TOP PANELS
HAVE SAME DIMENSIONS



BTA10 FAN TOP PANEL



LIFT-EYE TOP PANEL
PERFORATED LIFT-EYE TOP PANELS
HAVE SAME DIMENSIONS

Includes 6' power cord.

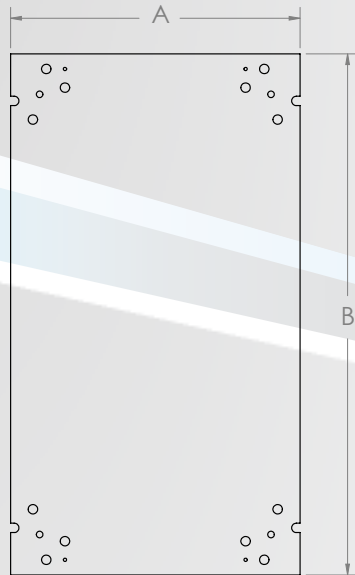
Lift-Eye Top Panels are available and quoted on request.

Part No.							Dimensions	
Solid	Louvered	Perforated	Solid Lift-eye	Louvered Lift-Eye	Perforated Lift-Eye	BTA10 Fan	A	B
PX14-19	PX14L-19	PX14P-19	PX14LE-19	PX14LEL-19	PX14LEP-19	BTA10-PX14-19	22.00	14.00
PX17-19	PX17L-19	PX17P-19	PX17LE-19	PX17LEL-19	PX17LEP-19	BTA10-PX17-19	22.00	17.50
PX21-19	PX21L-19	PX21P-19	PX21LE-19	PX21LEL-19	PX21LEP-19	BTA10-PX21-19	22.00	21.00
PX25-19	PX25L-19	PX25P-19	PX25LE-19	PX25LEL-19	PX25LEP-19	BTA10-PX25-19	22.00	25.50
PX31-19	PX31L-19	PX31P-19	PX31LE-19	PX31LEL-19	PX31LEP-19	BTA10-PX31-19	22.00	31.00
PX14-24	PX14L-24	PX14P-24	PX14LE-24	PX14LEL-24	PX14LEP-24	BTA10-PX14-24	27.00	14.00
PX17-24	PX17L-24	PX17P-24	PX17LE-24	PX17LEL-24	PX17LEP-24	BTA10-PX17-24	27.00	17.50
PX21-24	PX21L-24	PX21P-24	PX21LE-24	PX21LEL-24	PX21LEP-24	BTA10-PX21-24	27.00	21.00
PX25-24	PX25L-24	PX25P-24	PX25LE-24	PX25LEL-24	PX25LEP-24	BTA10-PX25-24	27.00	25.50
PX31-24	PX31L-24	PX31P-24	PX31LE-24	PX31LEL-24	PX31LEP-24	BTA10-PX31-24	27.00	31.00
PX31-30	PX31L-30	PX31P-30	PX31LE-30	PX31LEL-30	PX31LEP-30	BTA10-PX31-30	27.00	31.00

Available in your choice of 11 standard colors.



Technical - Base Plates

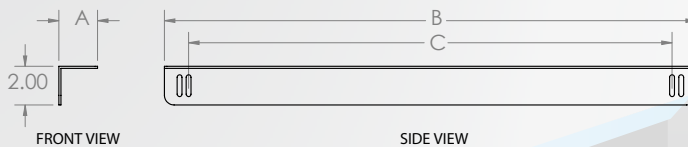


TOP VIEW
BAPLX-19-30

Part No.	Dimensions	
	A	B
BAPLX-19-25	19.16	24.25
BAPLX-19-30	19.16	28.62
BAPLX-19-36	19.16	34.62
BAPLX-24-25	24.16	24.25
BAPLX-24-30	24.16	28.62
BAPLX-24-36	24.16	34.62

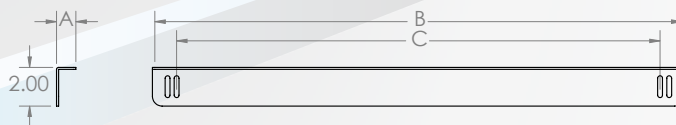
Available in your choice of 11 standard colors.

Technical - Chassis Guides



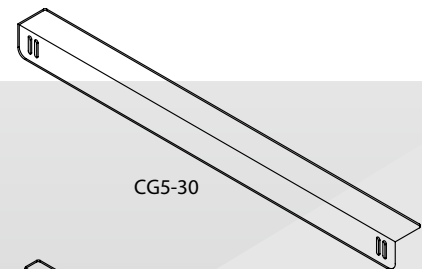
FRONT VIEW

SIDE VIEW

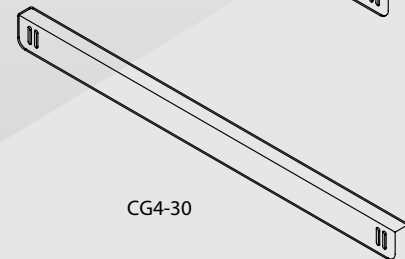


FRONT VIEW

SIDE VIEW



CG5-30



CG4-30

CHASSIS GUIDES

Part No.	Dimensions		
	A	B	C
CG4-25	1.00	23.00	20.50
CG4-30	1.00	27.50	25.00
CG4-36	1.00	33.50	31.00
CG5-25	2.00	23.00	20.50
CG5-30	2.00	27.50	25.00
CG5-36	2.00	33.50	31.00

LOAD RATINGS

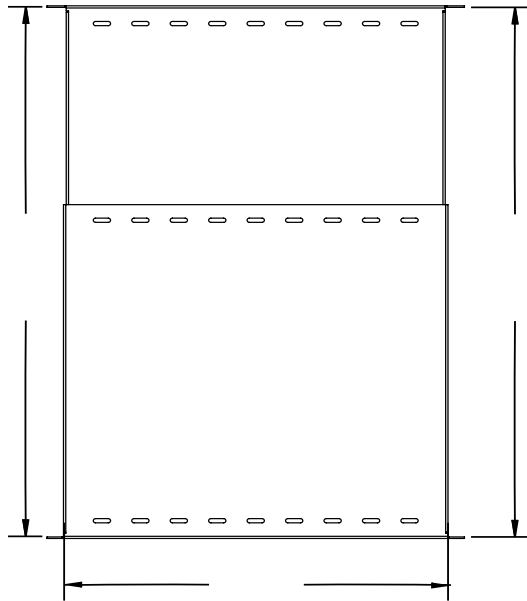
CG4 - 150 lbs.

CG5 - 150 lbs.

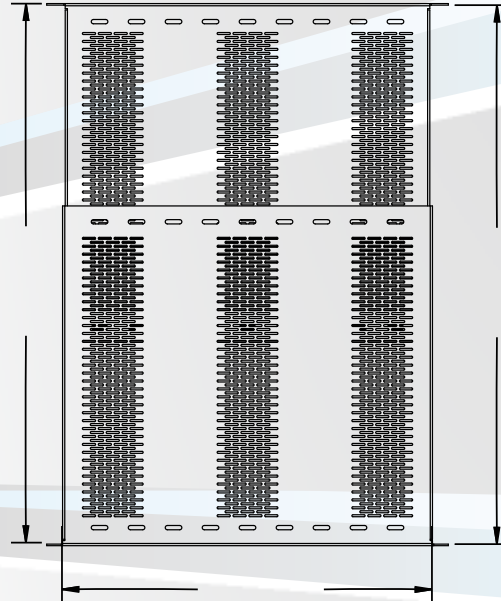
Chassis guides have a clear zinc finish.



Technical - Heavy Duty Adjustable Shelves



SOLID



VENTED

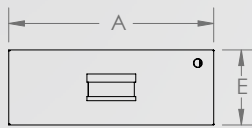
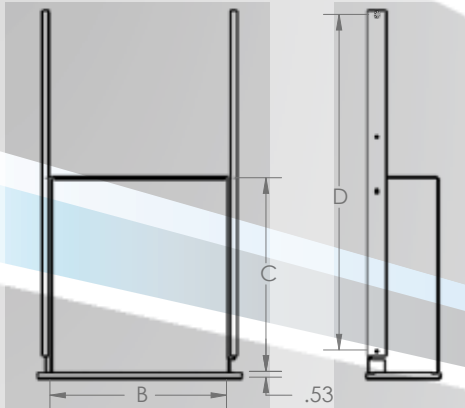
LOAD RATINGS
 UA-SHAS-1725 - 300 lbs.
 UA-SHAS-2540 - 300 lbs.

Part No.		Dimensions		
Vented	Solid	Panel Width	A	B
UA-SHAV-1725	UA-SHAS-1725	19"	17.591	17.00 to 25.50
UA-SHAV-2540	UA-SHAS-2540	19"	17.591	25.00 to 40.00

Available in black finish only.

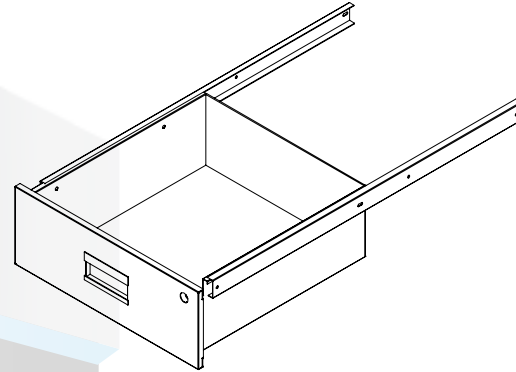


Technical - Drawers



Drawer load rating is 150 lbs.

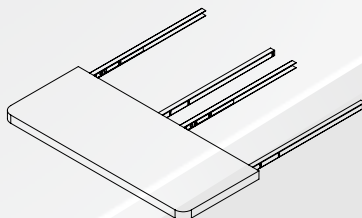
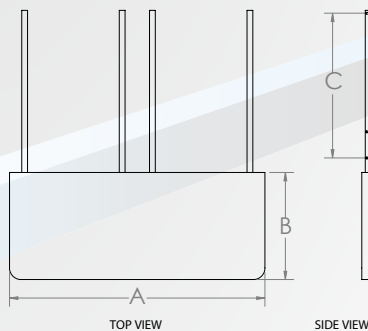
Available in your choice of 11 standard colors.



Part Nos.	Panel Width	Dimensions				
		A	B	C	D	E
DRFH3-19-25EK	19"	18.94	16.69	18.00	20.50	3.44
DRFH3-19-30EK	19"	18.94	16.69	18.00	20.50	3.44
DRFH3-19-36EK	19"	18.94	16.69	18.00	31.00	3.44
DRFH7-19-25EK	19"	18.94	16.69	18.00	20.50	6.94
DRFH7-19-30EK	19"	18.94	16.69	18.00	25.00	6.94
DRFH7-19-36EK	19"	18.94	16.69	18.00	31.00	6.94
DRFH10-19-25EK	19"	18.94	16.69	18.00	20.50	10.44
DRFH10-19-30EK	19"	18.94	16.69	18.00	25.00	10.44
DRFH10-19-36EK	19"	18.94	16.69	18.00	31.00	10.44

Note: For 24" panel width delete 19" part number (i.e. DRFH3-19-25EK becomes DRFH3-24-25EK and add 5" to A and B dim.

Technical - Writing Surfaces



RWSX18-1-19D-30

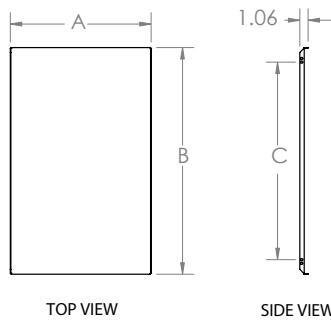
Part No.	Dimensions		
	A	B	C
RWSX18-1-19S-25	22.06	18.50	20.50
RWSX18-1-19S-30	22.06	18.50	25.00
RWSX18-1-19S-36	22.06	18.50	31.00
RWSX18-1-19D-25	44.12	18.50	20.50
RWSX18-1-19D-30	44.12	18.50	25.00
RWSX18-1-19D-36	44.12	18.50	31.00
RWSX18-1-19T-25	66.19	18.50	20.50
RWSX18-1-19T-30	66.19	18.50	25.00
RWSX18-1-19T-36	66.19	18.50	31.00
RWSX18-1-19Q-25	88.25	18.50	20.50
RWSX18-1-19Q-30	88.25	18.50	25.00
RWSX18-1-19Q-36	88.25	18.50	31.00

Note: For 24" panel width writing surfaces, change 19 to 24 in part number. (i.e. RWSX18-1-19S-25 becomes RWSX18-1-24S-25 and add 5.00" to A dim.

Available and quoted on request.



Technical - Shelves

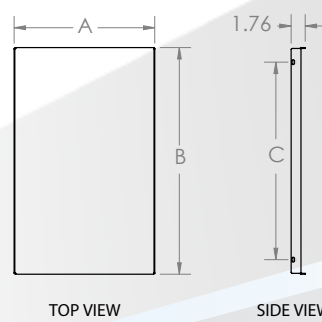


TOP VIEW

SIDE VIEW

STATIONARY SHELF

Stationary Shelf Load rating is 125 lbs.



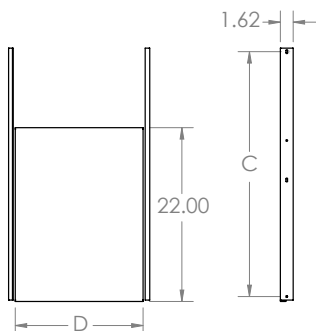
TOP VIEW

SIDE VIEW

HEAVY DUTY SHELF

HD Shelf Load rating is 300 lbs.

Available in black finish only.



Retractable Shelf Load rating is 150 lbs.

Stationary and retractable shelves are available in your choice of 11 standard colors.

Part Nos.					Dimensions			
Solid	Perforated	Heavy-Duty	Retractable Solid	Retractable Perforated	A	B	C	D
SH19-25	SH19P-25	SHHD19-25	SHR19-25	SHR19P-25	17.81	24.19	20.50	16.17
SH19-30	SH19P-30	SHHD19-30	SHR19-30	SHR19P-30	17.81	28.69	25.00	16.17
SH19-36	SH19P-36	SHHD19-36	SHR19-36	SHR19P-36	17.81	34.19	31.00	16.17
SH24-25	SH24P-25	SHHD24-25	SHR24-25	SHR24P-25	22.81	24.19	20.50	21.17
SH24-30	SH24P-30	SHHD24-30	SHR24-30	SHR24P-30	22.81	28.69	25.00	21.17
SH24-36	SH24P-36	SHHD24-36	SHR24-36	SHR24P-36	22.81	34.19	31.00	21.17

Note: For 24" panel width, delete 19" part number and add 5" to A and D dims.

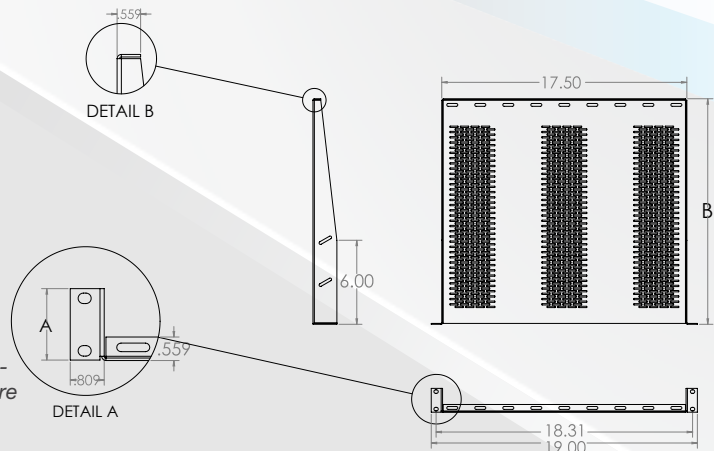
Technical - Light Duty Shelves

Part Nos.			Dimensions		
Solid	Vented	Load Ratings	A	Panel Width	B
UA-SH1	UA-SH1	15 lbs.	1.75	19"	16.10
UA-SH2	UA-SH2	50 lbs.	3.50	19"	16.10
UA-SH3	UA-SH3	60 lbs.	5.25	19"	16.10
UA-SH4	UA-SH4	70 lbs.	7.00	19"	16.10
UA-SH5	UA-SH5	80 lbs.	8.75	19"	16.10

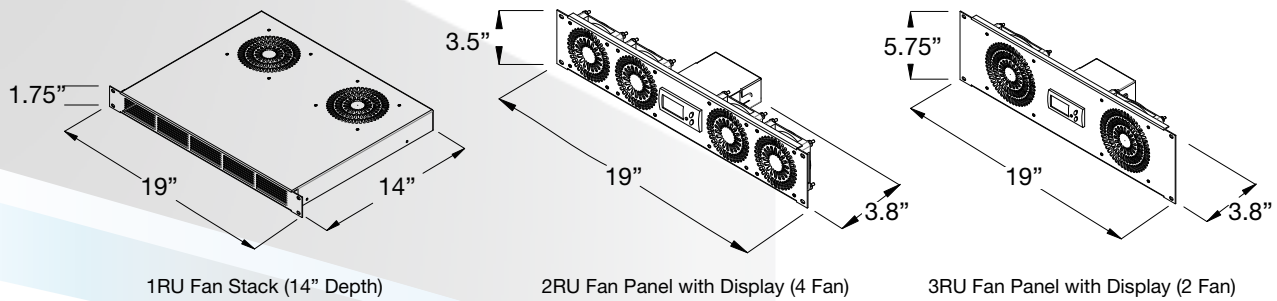
Note: Not available in 24" panel width.

Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

Available in black finish only.



Technical - Cooling / Fan Panels



1RU Fan Stack (14" Depth)

2RU Fan Panel with Display (4 Fan)

3RU Fan Panel with Display (2 Fan)

Fan Stack

Part Number	CFM (total)	DB	Voltage	# of Fans	Fan Dia.	Depth
UA-FS1-S8	120	27	115	2	4.75"	8"
UA-FS1-S14	120	27	115	2	4.75"	14"

Includes 5' power cord.

Fan Panel with Display

Part Number	CFM (total)	DB	Voltage	# of Fans	Fan Dia.	Depth
UA-QFD2-4	100	28	115	4	3"	2RU
UA-QFD3-2	120	27	115	2	4.75"	3RU

Includes 6' power cord.

Fan Panel

Part Number	CFM (total)	DB	Voltage	# of Fans	Fan Dia.	Depth
UA-QF2-4	100	28	115	4	3"	2RU

Includes 5' power cord.

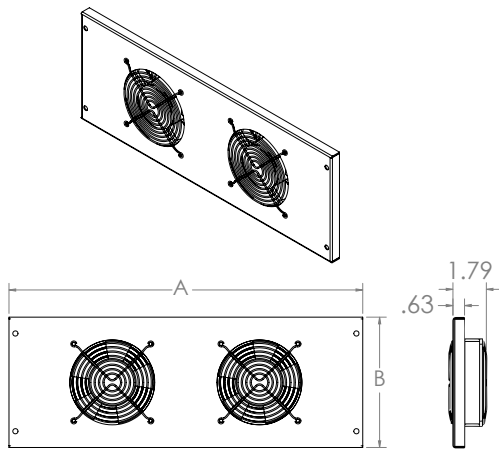
Note: Not available in 24" panel width.

Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

Available in black finish only.



Technical - Formed Fan Panels



FORMED FAN PANEL

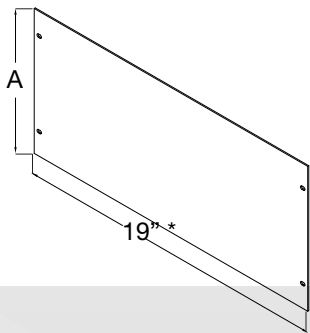
Part Nos.	Dimensions / Features					
	A	B	CFM (total)	DB	No. of Fans	Direction
BTA4-HF-19-1-E	19.00	7.00	300	48	1	EXHAUST
BTA4-HF-19-1-I	19.00	7.00	300	48	1	INTAKE
BTA4-HF-19-2-E	19.00	7.00	425	54	2	EXHAUST
BTA4-HF-19-2-I	19.00	7.00	425	54	2	INTAKE

Note: For 24" panel width fan change 19 to 24 in part number. (i.e. BTA4-HF-19-1-E becomes BTA4-HF-24-1-E) and add 5.00" to A dim.

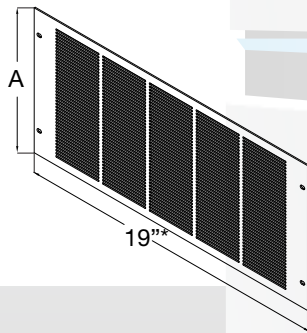
Includes 6' power cord.

Available in your choice of 11 standard colors.

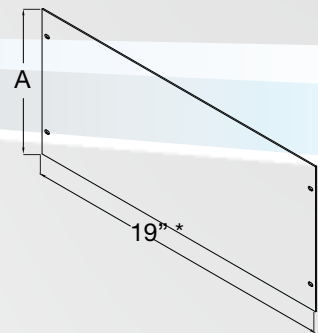
Technical - Flat Blanking Panels



Steel Solid



Steel Vented



Aluminum Solid

Steel		Dimensions	
Solid	Vented	A	B
UA-BPS-1	UA-BPHS-1	19.00	1.75
UA-BPS-2	UA-BPHS-2	19.00	3.50
UA-BPS-3	UA-BPHS-3	19.00	5.25
UA-BPS-4	UA-BPHS-4	19.00	7.00
UA-BPS-5	UA-BPHS-5	19.00	8.75

STEEL

Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

Note: Not available in 24" panel width.

Available in black finish only.

Aluminum		Dimensions	
Solid		A	B
AP1-19		19.00	1.75
AP3-19		19.00	3.50
AP5-19		19.00	5.25
AP7-19		19.00	7.00
AP8-19		19.00	8.75
AP10-19		19.00	10.50
AP12-19		19.00	12.25
AP14-19		19.00	14.00
AP15-19		19.00	15.75

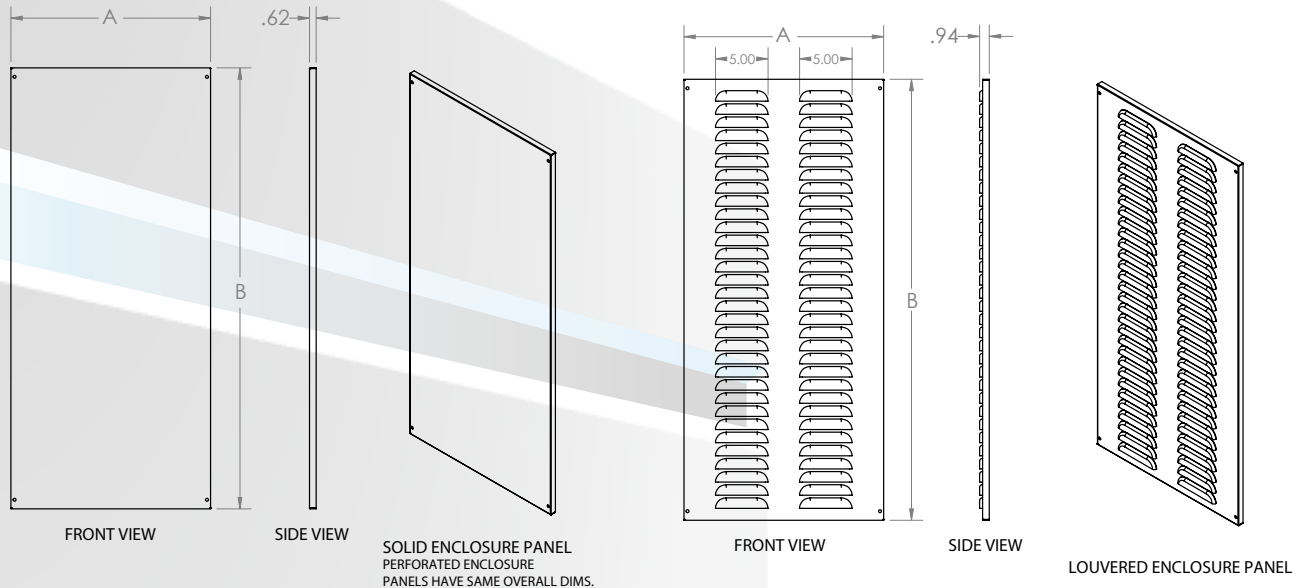
ALUMINUM

Note: For 24" panel width change 19 to 24 in part number. (i.e. AP1-19 becomes AP1-24) and add 5.00" to A dim.

Available with raw finish or painted in your choice of 11 standard colors.



Technical - Enclosure Panels - Formed



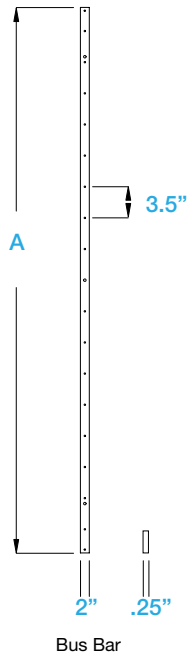
Solid	Louvered	Perforated	Dimensions	
			A	B
P1-19	N/A	P1P-19	19.00	1.72
P3-19	P3L-19	P3P-19	19.00	3.47
P5-19	P5L-19	P5P-19	19.00	5.22
P7-19	P7L-19	P7P-19	19.00	6.97
P8-19	P8L-19	P8P-19	19.00	8.72
P10-19	P10L-19	P10P-19	19.00	10.47
P12-19	P12L-19	P12P-19	19.00	12.22
P14-19	P14L-19	P14P-19	19.00	13.97
P15-19	P15L-19	P15P-19	19.00	15.72
P17-19	P17L-19	P17P-19	19.00	17.47
P19-19	P19L-19	P19P-19	19.00	19.22
P21-19	P21L-19	P21P-19	19.00	20.97
P22-19	P22L-19	P22P-19	19.00	22.72
P24-19	P24L-19	P24P-19	19.00	24.47
P26-19	P26L-19	P26P-19	19.00	26.22
P28-19	P28L-19	P28P-19	19.00	27.97
P29-19	P29L-19	P29P-19	19.00	29.72
P31-19	P31L-19	P31P-19	19.00	31.47
P35-19	P35L-19	P35P-19	19.00	34.97
P36-19	P36L-19	P36P-19	19.00	36.72
P42-19	P42L-19	P42P-19	19.00	41.97
P52-19	P52L-19	P52P-19	19.00	52.47
P61-19	P61L-19	P61P-19	19.00	61.22
P70-19	P70L-19	P70P-19	19.00	69.97
P78-19	P78L-19	P78P-19	19.00	78.72

Note: For 24" panel width change 19 to 24 in part number. (i.e. P1-19 becomes P1-24) and add 5.00" to A dim

Available in your choice of 11 standard colors.



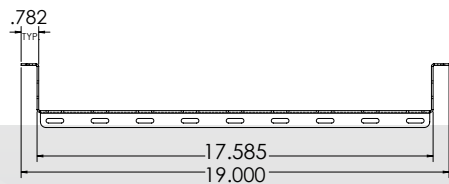
Technical - Buss Bars and Lacing Bars



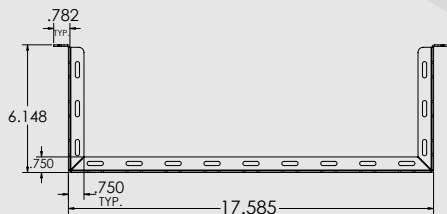
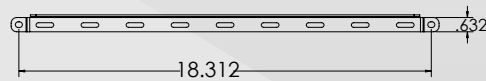
Buss Bar (Material: .250 x 1.00 Copper Bar)

Part Number	RU Height	Overall Height A	Standard Holes	Mounting Holes
BBX78	45	78.81"	20	3
BBX70	40	70"	20	3
BBX61	35	61.32"	18	3
BBX52	30	52.56"	16	3
BBX42	24	40"	13	2
BBX31	18	31.56"	11	2
BBX21	12	20"	7	2

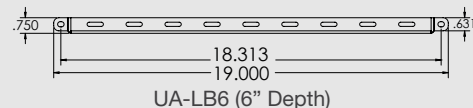
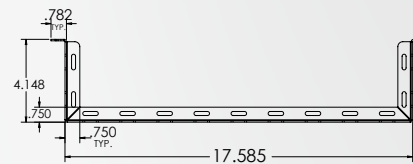
Technical - Horizontal Lacing Bars



UA-LB2 (2" Depth)



UA-LB4 (4" Depth)



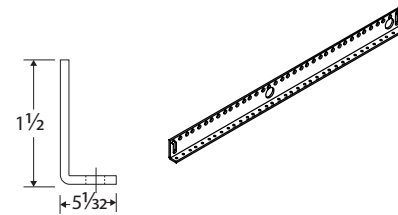
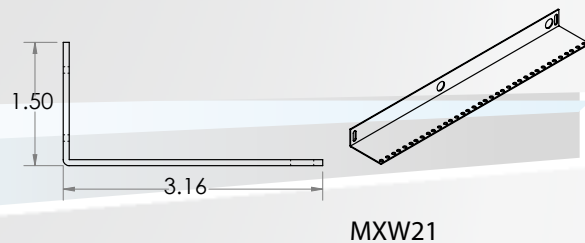
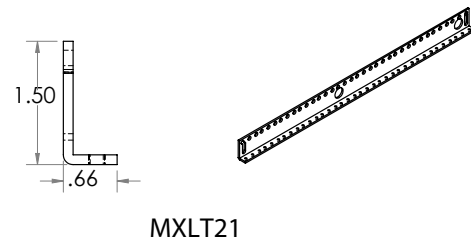
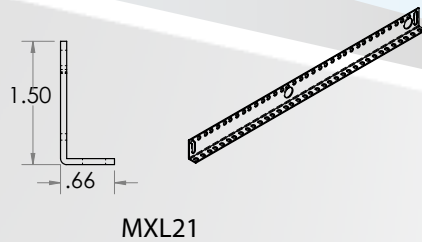
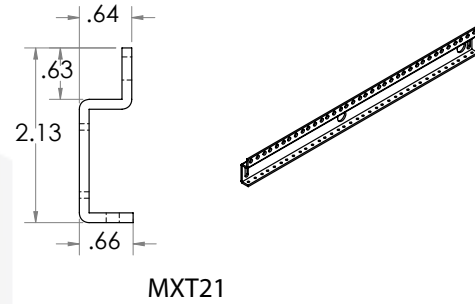
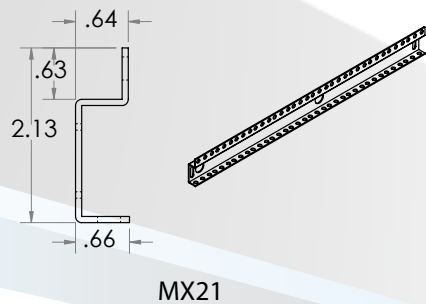
UA-LB6 (6" Depth)

Note: Additional hardware is required if mounting #12-24 or #10-32 equipment in punched hole, mounting channels. See hardware options in accessories section, on page 14 of this catalog.

Available in black finish only.



Technical - Mounting Channels



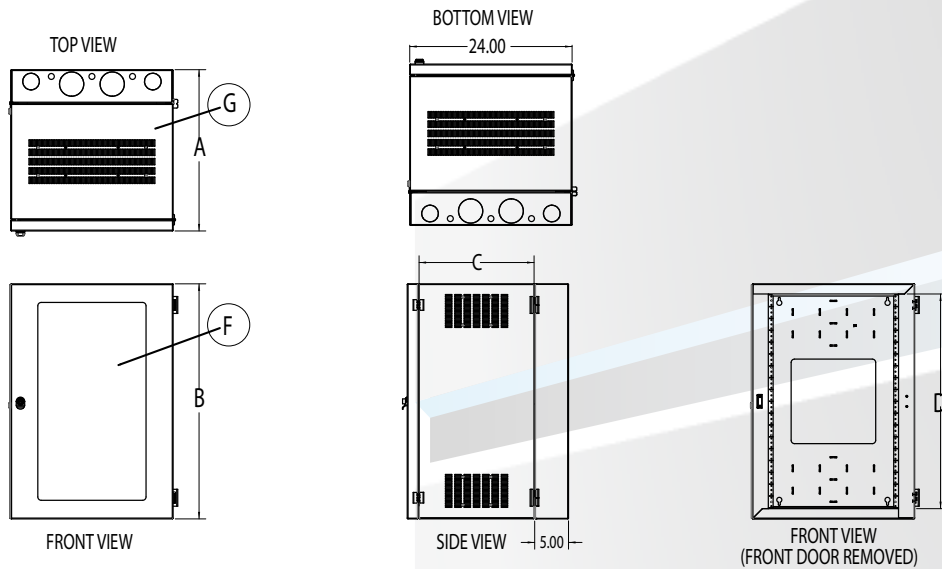
Part Nos.						Overall Length
Panel & Equipment Mounting		Panel Mounting		Panel Mounting		
Punched Mounting Hole	#10-32 Tapped Mounting Hole	Punched Mounting Hole	#10-32 Tapped Mounting Hole	Punched Mounting Hole	#10/32" Tapped Mounting Hole	
MX21	MXT21	MXL21	MXLT21	MXW21	MXWT21	21.06
MX31	MXT31	MXL31	MXLT31	MXW31	MXWT31	31.56
MX42	MXT42	MXL42	MXLT42	MXW42	MXWT42	42.06
MX52	MXT52	MXL52	MXLT52	MXW52	MXWT52	52.56
MX61	MXT61	MXL61	MXLT61	MXW61	MXWT61	61.31
MX70	MXT70	MXL70	MXLT70	MXW70	MXWT70	70.06
MX78	MXT78	MXL78	MXLT78	MXW78	MXWT78	78.81

Part Nos.		Overall Length
Panel Mounting		
Punched Mounting Hole	#10/32" Tapped Mounting Hole	
MXLP21	MXLPT21	21.06
MXLP31	MXLPT31	31.56
MXLP42	MXLPT42	42.06
MXLP52	MXLPT52	52.56
MXLP61	MXLPT61	61.31
MXLP70	MXLPT70	70.06
MXLP78	MXLPT78	78.81

Mounting channels have a clear zinc finish.



Technical - Wall Mount Rack



Part Nos.	Dimensions				
	A Overall Depth*	B Overall Height	C Center Frame Section Depth	D Door Insert	E Center frame Section
WMRS-12U17-V	19	24.25	12	Solid	Solid
WMRS-18U17-V	19	34.75	12	Solid	Solid
WMRS-12U22-V	24	24.25	17	Solid	Solid
WMRS-18U22-V	24	34.75	17	Solid	Solid
WMRS-12U28-V	30	24.25	24	Solid	Solid
WMRS-18U28-V	30	34.75	24	Solid	Solid
WMRP-12U17-V	19	24.25	12	Polycarbonate	Solid
WMRP-18U17-V	19	34.75	12	Polycarbonate	Solid
WMRP-12U22-V	24	24.25	17	Polycarbonate	Solid
WMRP-18U22-V	24	34.75	17	Polycarbonate	Solid
WMRP-12U28-V	30	24.25	24	Polycarbonate	Solid
WMRP-18U28-V	30	34.75	24	Polycarbonate	Solid
WMRV-12U17-V	19	24.25	12	Vented	Solid
WMRV-18U17-V	19	34.75	12	Vented	Solid
WMRV-12U22-V	24	24.25	17	Vented	Solid
WMRV-18U22-V	24	34.75	17	Vented	Solid
WMRV-12U28-V	30	24.25	24	Vented	Solid
WMRV-18U28-V	30	34.75	24	Vented	Solid

*Overall depths includes 2" front door.

Note: WMR is also available in a Solid non-vented model. For Solid model, change "-V" to "-S" at the end of the part number. (i.e. WMRS-12U19V becomes WMRS-12U19S)

Available in black finish only.



Other AMCO Products

AMCO Offers Many Solutions

AMCO has developed a line of racks for the Data, AV and security industries that can meet almost any of your design requirements. All AMCO racks are certified to EIA 310D.

TitanDT (Data)

TitanDT has the highest static and dynamic load ratings in its class. It pairs a sleek aesthetic with an efficient design. AMCO racks are modular and can be expanded and configured to meet current and future needs.

Seismic Racks

Zone 4 certified racks are available in a variety of standard heights, widths and depths to meet NEBS GR-63-CORE specifications for seismic events.

Shielded Racks

RFI racks limit radiated emissions and are certified to MIL STD 285 for higher-level shielding requirements.

Shielded racks are available in a variety of standard heights, widths and depths.

TN Series

AMCO has developed a line of commercial racks for electronics packaging, security and AV. These racks have a full range of heights, widths and depths for a variety of applications including: media closets, security and general electronics packaging.

Custom Designs

AMCO recognizes the need to build rack systems for customers that are not commercially available. We create specialized designs for customers that require standard rack products. Contact us today at 847-391-8100 for more information.



TN Series

TitanDT (Data)

Seismic Racks

Shielded Racks



New Titan EP General Packaging Rack



Our new Titan EP enclosure is feature-rich and structurally superior as it enhances user interface, reliability, heat dissipation and security with an aesthetically appealing design.

We have engineered performance-level standards into our enclosures that keep AMCO at the forefront of enclosure design and development.

Highest certified load rating in the industry:

- 5,400 lbs. Static
- 3,300 lbs. Dynamic

These enclosures have the built-in flexibility to meet the most demanding requirements and MIL STD specifications.

- MIL STD 901D for Shock
- MIL STD 810E for Vibration



Warranty & Policies

A. Choice of Method of Shipment

Unless otherwise specified, AMCO Enclosures are shipped as individual modules per ISTA packaging certification with single width components assembled on the frame. Upon request, console arrangements will be completely assembled at the factory and shipped like furniture, via van, at no additional charge for assembly. Console arrangements may also be crated for shipment. Crating charges will be quoted for each such order, as console arrangements vary.

B. Design Changes

To allow continued progress, improvement, and adaptability in an advancing industry, AMCO Enclosures reserves the right to make product changes as deemed necessary.

C. Price Discounts

Purchase orders cannot be combined for discount advantages.

D. Proprietary Rights

The catalog and drawings contain information deemed proprietary to AMCO Enclosures and are to be used only for the purposes for which they are submitted and, further, shall not be copied in whole or in part without the prior written consent of AMCO Enclosures.

E. Cancellation & Return

Cancellation and return charges begin at 40% with a minimum of \$50.00, depending on the nature of the order and the extent to which it has been processed. All returns have a 30-day, upon receipt, time limit. Returns must be freight prepaid and not made without the prior written approval of AMCO Enclosures.

F. Terms

All quotations, order confirmations, published prices, and discounts based on delivery F.O.B. AMCO Enclosures, 1 Innovation Drive, Des Plaines, IL freight collect. Invoice payment terms-net 30 days.

G. Sales Representation

Experienced factory sales representatives in all principle cities of the U.S.A., Canada and Mexico. Ask for sales representative listing. AMCO Enclosures equipment is thoroughly inspected prior to shipment. No returns of damaged equipment will be accepted without prior written approval of AMCO Enclosures.



Designed and
Manufactured in the USA

IMS Engineered Products is

ISO9001 Certified

Limited Warranty

AMCO Enclosures will repair or replace enclosures, accessories, and components manufactured by AMCO Enclosures that are proven to be defective in material or factory workmanship under normal use during the Period of this Warranty.

Warranty Period

Ten years from date of purchase. (Non-transferable)

This warranty does not cover:

- Failure in whole or part resulting from misuse, alteration, excessive temperature, excessive humidity, corrosive environment, or lack of maintenance.
- Any materials or components used or manufactured pursuant to the purchaser's specifications.
- Items ordered in error or not required.

Power/Accessories

Warranty as specified by manufacturer.

Warranty Repair

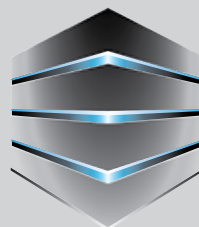
Purchaser shall obtain controlled authorization number before returning any items alleged to be defective to AMCO Enclosures.

Inspection

AMCO Enclosures shall have the right to inspect any and all allegedly defective items on-site at purchaser's convenience.

Disclaimer of Consequential Damages and Limitations of Implied Warranty

AMCO Enclosures disclaims any responsibility for loss of time or use of parts or equipment wherein AMCO Enclosures, components, or accessories are used, transportation or any other incidental or consequential damage; and any implied Warranties including the implied Warranty of merchantability and fitness for intended use are limited to the duration of this written warranty.



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