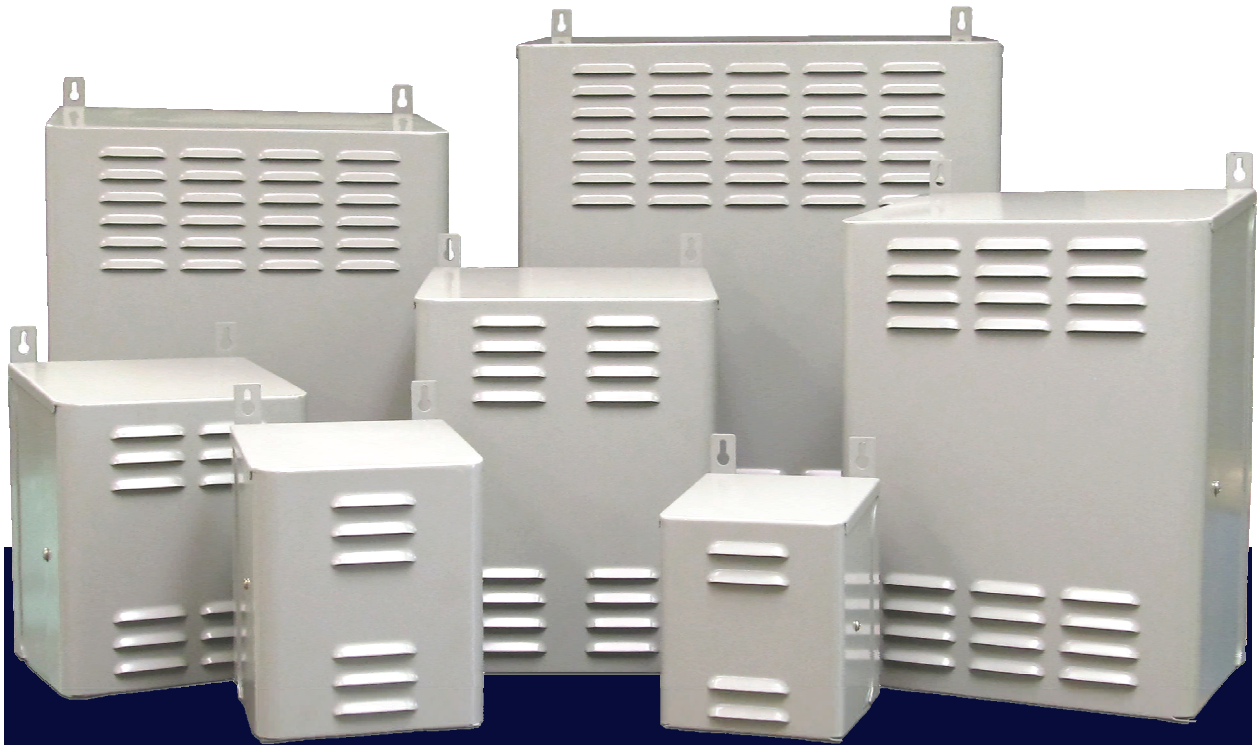
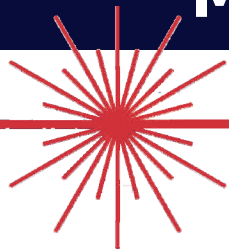


cUL US LISTED
File E464593

GenMet Corp. **Enclosures**



Ventilated Metal Electrical Enclosures



BUILT-IN VENTILATION LOUVERS

Eliminate or Reduce Modification Costs



Indoor



Outdoor

- Indoor / Outdoor Rated
- Convenient Standard Sizes
- cULus, Type 1 / Type 3R
- Horizontal and Vertical Panels
- Ideal for Electrical Components
- Standard Gray / Optional White

Wall Mount Enclosure with Floor Standing Option

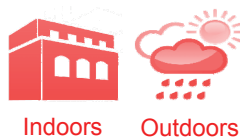
Standard Features

GenMet Metal Electrical Enclosures are designed for use with a variety of electrical and electronic apparatus. They are constructed with heavy gauge steel and a convenient lift-off cover. All GenMet enclosures are produced in an ISO 9001 certified facility using state-of-the-art manufacturing equipment and lean manufacturing processes.



Indoor / Outdoor Rated

GenMet Series E1 and E2 Enclosures are both suitable for use in either Type 1 (indoors) or Type 3R (outdoors) installations.



Gray Powder Coat Paint Finish

GenMet Enclosures are coated inside and out with Polyester Powder Coating (ASA-61 Gray) to protect against wear and rust. For lower internal temperature rise in outdoor installations, enclosures may also be special ordered with white powder coat finish.

Ventilation Louvers

Series E1 and E2 metal enclosures include louvers for natural flow thru ventilation to aid in the dissipation of internal heat.

Ideal for Electrical Components

Their dimensional geometry, combined with standard ventilation louvers makes GenMet Series E1 and E2 enclosures ideal for a wide variety of electrical apparatus such as:

- Line reactors,
- Power factor capacitors,
- Motor drives,
- Power & control devices,
- And more

Use DIN Rail for even greater flexibility



Basic Specifications

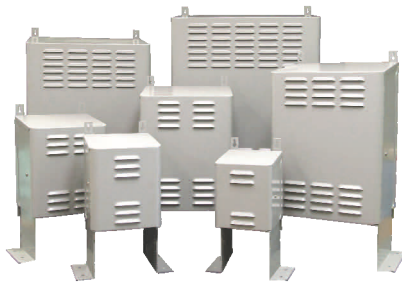
Locations	Type 1 (indoors) and Type 3R (outdoors)
Construction	16 gauge welded steel, with provision for wall mounting, louvered cover.
Finish	ANSI 61 ASA-61 Gray Polyester Powder Coat finish.
Approvals	UL / CUL, File E464593 (UL-508A Industrial Control Panel Enclosure)

Optional Accessories



Internal Mounting Panels

Select from a variety of internal mounting panel choices for mounting components in either the vertical or horizontal plane. Choose from a full size, half size or quarter size panel, or combine two or more panels. Typical color of interior panels is grey, but white is also available on special order.



Mounting Base (Floor/Pad Mount Brackets)

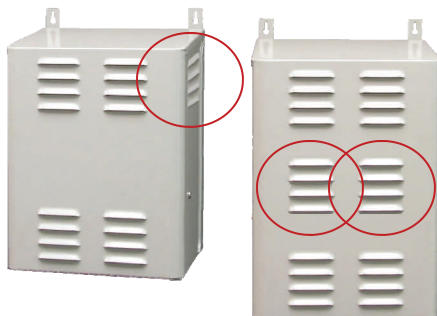
Optional Mounting Base is available for floor or pad mounting needs. The floor mount adds 6 inches of height and offers easy access for securing to a pad.



**ADD
6 Inches
of
Height**

Extended Height

Tall versions of our enclosures are available upon request. Selecting the Tall version will add 6 inches of height and proportionately more ventilation louvers.



**Additional
Louvers**

Modifications Available

A variety of enclosure modifications are available to fit your needs. Some typical modifications include:

- Knock-outs for conduit entry,
- Holes for amps, controls, Indicators, etc.
- Mounting panels with pre-punched holes
- More louvers for improved ventilation
- More Colors such as white or other colors

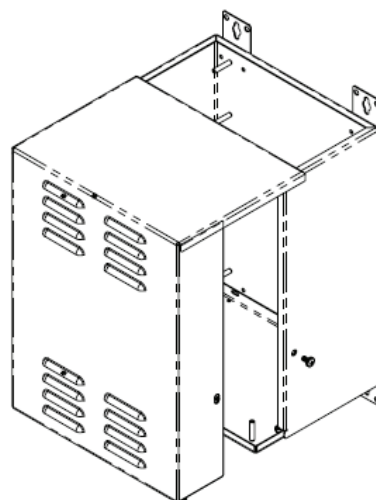
Custom Enclosures

GenMet can design and produce custom enclosures made to your specifications.

Enclosure Selection - Series E1

Series E1 select the enclosure based on the physical size required, then confirm that the typical heat dissipation will be adequate for your equipment. For greater heat dissipation, either use a larger enclosure or consider having us provide more louvers for your enclosure. For optional internal mounting panels - see page 6.

Standard Enclosure Dimensions (inches)					
Catalog No.		Width (W)	Height (H)	Depth (D)	Approx. Weight
Type 1	Type 3R	Inches	Inches	Inches	Lb / kg
E1-6S-1	E1-6S-3R	6.5	8.25	6.0	6 / 2.7
E1-8S-1	E1-8S-3R	8.0	10.25	7.0	9 / 4.1
E1-10S-1	E1-10S-3R	10.0	12.25	8.0	12.5 / 5.7
E1-12S-1	E1-12S-3R	12.0	16.25	9.0	18 / 8.2
E1-14S-1	E1-14S-3R	14.0	19.5	10.5	24.2 / 11
E1-18S-1	E1-18S-3R	18.0	24.25	12.0	36 / 16.4
E1-22S-1	E1-22S-3R	22.0	28.25	12.0	46.2 / 21



Extended Height ("T" version)

Tall versions of our enclosures are available upon request. Change "S" to "T" to select the tall version (adds 6 inches to height and proportionately more ventilation louvers).

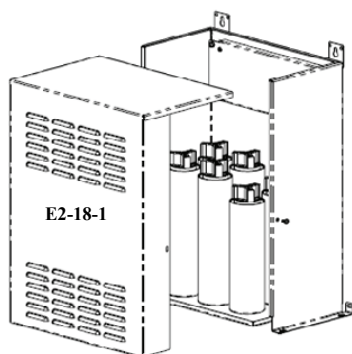


Series E1-Enclosures

Capacitor Enclosure Selection - Series E2

Series E2 enclosures are designed to house cylindrical power factor capacitors having a diameter not exceeding 85mm. Standard units include weldnuts in the bottom for M12 capacitor studs and may be wall and foot mounted. Available for either Type 1 or Type 3R installations.

Select the enclosure based on the number of capacitors to be installed, then confirm that the enclosure will be adequate for your equipment and its heat losses (watts). For improved heat dissipation, either use a larger enclosure or consider having us provide more louvers.



*** Standard Enclosure Dimensions (inches)**

Catalog No.		Possible 85mm Capacitors	Width (W)	Height (H)	Depth (D)	Approx. Weight (lb)
Type 1	Type 3R	Qty	Inches	inches	Inches	lb/kg
E2-10-1	E2-10-3R	1	10.0	19.0	8.0	14 / 6.4
E2-12-1	E2-12-3R	2	12.0	21.0	9.0	18 / 8.2
E2-14-1	E2-14-3R	4	14.0	24.0	12.0	28 / 12.7
E2-18-1	E2-18-3R	6	18.0	24.0	12.0	35 / 15.9

* Internal panel purchased separately.



Underside of bottom plate has weldnuts to accept M12 capacitor studs.

Capacitor Brackets

GenMet offers several brackets to facilitate the mounting of power factor capacitors. The "L" brackets simplify the installation of capacitors within the motor starter cabinet where they can be activated along with the motor, saving extra fuses and disconnect. Adaptor brackets can be used for field replacement of typical rectangular capacitors with cylindrical capacitors. Brackets are suitable for capacitors with a diameter of 85mm or less.

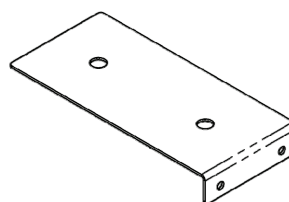
Capacitor Adaptor Brackets

Catalog No.	No. of 85mm Capacitors
BA-1	1



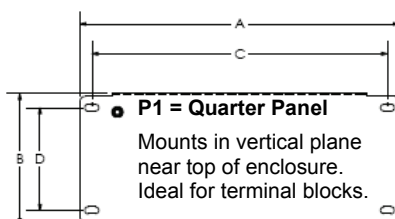
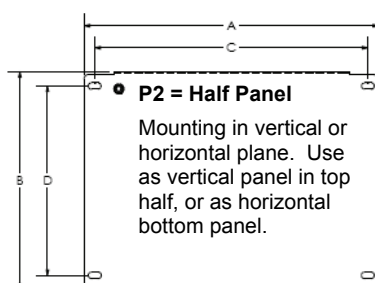
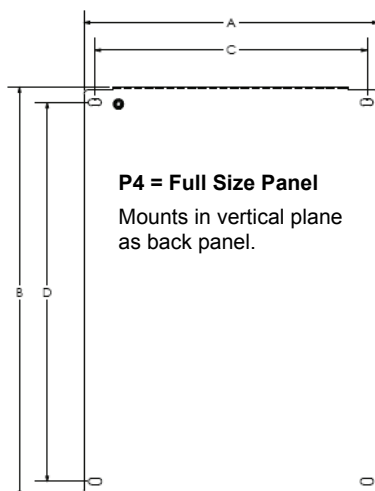
Capacitor "L" Brackets

Catalog No.	No. of 85mm Capacitors
BL-1	1
BL-2	2
BL-4	4



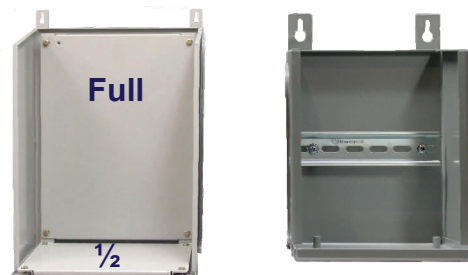
Panels Optional - Internal Mounting Panels

Select optional panels for mounting your components in our E1 series of enclosures in the horizontal or vertical mounting planes. Most enclosures offer three sizes: full size, half size or quarter size panels. The half panel can be mounted in either the bottom (horizontal) or rear (vertical) portion of the enclosure. Panels for E2 enclosures are listed at center of page.



Approximate Dimensions (inches) add 6 inches for TALL versions					
Catalog No.	A	B	C	D	Approx. Weight Lbs / kg
For E1 only Full Panel (P4)					
P4-E1-6	5.28	7.94	4.33	O.C.	0.9 / 0.4
P4-E1-8	6.79	8.95	5.84	5.00	1.0 / 0.5
P4-E1-10	8.78	11.36	7.83	8.56	1.9 / 0.9
P4-E1-12	10.78	15.36	9.83	9.85	3.1 / 1.4
P4-E1-14	12.78	18.61	11.83	16.50	4.4 / 2.0
P4-E1-18	16.78	23.36	15.83	20.00	7.1 / 3.2
P4-E1-22	20.78	27.36	19.83	25.50	10.2 / 4.6
For E1 and *E2 1/2 Panel (P2)					
P2-E1-6	5.23	4.83	Centered	4.50	0.6 / 0.28
P2-E1-8	6.78	5.90	5.83	5.00	0.7 / 0.32
* P2-E1-10	8.78	6.50	7.83	4.28	1.1 / 0.5
* P2-E1-12	10.78	7.79	9.83	6.65	1.6 / 0.7
* P2-E1-14	12.78	9.49	11.83	8.25	2.3 / 1.1
* P2-E1-18	16.78	10.90	15.83	10.00	3.4 / 1.6
P2-E1-22	20.53	10.90	19.58	8.51	4.3 / 1.9
For E1 only 1/4 Panel (P1)					
P1-E1-12	10.78	4.29	9.83	4.13	1.0 / 0.5
P1-E1-14	12.78	5.09	11.83	5.00	1.3 / 0.6
P1-E1-18	16.78	5.97	15.83	4.25	2.0 / 0.9
P1-E1-22	20.78	6.15	19.83	4.50	2.6 / 1.2

GenMet can customize enclosures or mounting panels to fit your needs. Consider pre-punched holes, added louvers and other modifications.



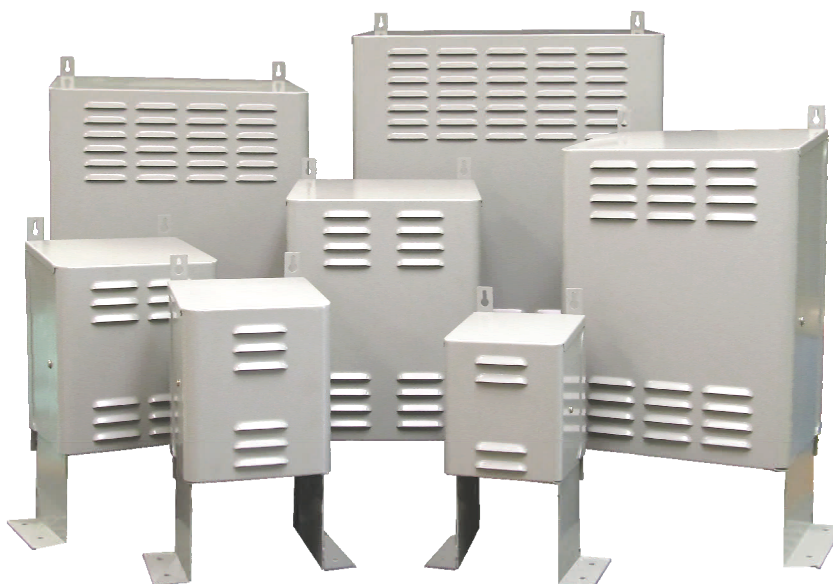
Optional - Floor / Pad Mounting Kits

Optional Mounting Bases are a convenient means of enabling enclosures to stand upright on a floor or concrete pad. The standard mounting base kit adds 6" to the enclosure height and contains two (2) foot mounting brackets plus the 1/4 inch zinc plated steel hardware for use in securing each base to the bottom of the enclosure. The installer must also properly secure the enclosure with mounting base to the concrete pad or floor. Use these kits to maintain Type 3R integrity of E2 enclosures also when using feet for mounting on surfaces outdoors.

Optional mounting bases may be ordered as a kit or may be factory installed. (consult factory) Each mounting base kit contains two brackets plus the fasteners necessary to secure the enclosure to the base.

Floor/Pad Mounting Kit	
Enclosure	Catalog No.
E1-6	FM1-E1
E1-8	
E1-10	FM2-E1
E1-12	
E1-14	FM3-E1
E1-18	FM4-E1
E1-22	

GenMet Series E1 metal Enclosures are equipped with pem nuts located in bottom for easy addition of optional mounting bases.



Our Company Policy

**Superior Safety, Quality and On-time Delivery
Supported by Employee-led Continuous Improvement
and State-of-the-Art Technology
Resulting in Profitable, Long Term Relationships.**

GenMet was originally known as the Biersach & Niedermeyer Company which was founded in the 1800s, as a family owned business located in Chicago. At the time of the great Chicago fire (1871), the company was relocated to the Milwaukee area where it built its reputation for quality metal fabricating. After four generations of family ownership, the business was sold to Eric and Mary Isbister and the name was changed to GenMet Corporation.

GenMet Capabilities include:

- Enclosure manufacturing
- Custom metal fabricating
- Value added assembly

Contact GenMet for all of your fabricated metal needs.



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Your Local Contact: