SECTION 262716 - ELECTRICAL CABINETS AND ENCLOSURES

This section is based on the products:

Chatsworth Products (CPI)

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Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, as described in The Project Resource Manual—CSI Manual of Practice, Fifth Edition.

This section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” after editing this section.

Section numbers are from MasterFormat 2016 Edition.

GENERAL

RELATED DOCUMENTS

Retain or delete this article in all Sections of Project Manual.

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

SUMMARY

Section Includes:

RMR Modular Enclosure.

RMR Fixed Wall-Mounted Enclosure.

RMR Swing Wall-Mounted Enclosure.

RMR Floor-Mount Enclosures

RMR Free-Standing Enclosures

RMR Standard Wall-Mount Enclosures

Related Requirements:

Retain subparagraphs below to cross-reference requirements Contractor might expect to find in this Section but are specified in other Sections.

Section 260500 "Common Work Results for Electrical."

Section 260620 "Schedules for Low-Voltage Electrical Distribution"

Section 262400 "Switchboards and Panelboards."

Section 260900 "Instrumentation and Control for Electrical Systems."

Section 251000 "Integrated Automation Network Equipment."

Section 253000 "Integrated Automation Instrumentation and Terminal Devices."

Section 255000 "Integrated Automation Facility Controls."

Section 406713 "Computer Equipment Racks."

ACTION SUBMITTALS

Product Data: For each type of product.

Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for electrical cabinets and enclosures.

Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.

Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

PRODUCTS

PERFORMANCE REQUIREMENTS

Retain "Seismic Performance" Paragraph below with "Seismic Qualification Certificates" Paragraph in "Informational Submittals" Article for projects requiring seismic design. Delete paragraph if performance requirements are indicated on Drawings. Model building codes and ASCE/SEI 7 establish criteria for buildings subject to earthquake motions. Coordinate requirements with structural engineer.

Seismic Performance: Equipment frames shall withstand the effects of earthquake motions determined according to [**ASCE/SEI 7**] <**Insert requirement**>.

RMR MODULAR ENCLOSURE

Freestanding modular enclosures store 19” EIA (482.6 mm) rack-mount computer, data storage and networking equipment or panel-mount control system automation equipment in wet and dirty indoor environments. Enclosures protect equipment from blowing dust and dirt and dripping or splashing non-corrosive liquid. The enclosure consists of a rectangular frame with attached top panel, bottom panel, side panels and doors. Installed cabinets include power, and cable management accessories that keep network and power cables separate and organized.

Product webpage: <http://www.chatsworth.com/products/industrial-enclosures/rmr-modular-enclosure/>

Product Data Sheet:

<http://www.chatsworth.com/uploadedfiles/files/rmr_modular_enclosure_datasheet.pdf>

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Modular Enclosure.

Description: Modular enclosure with hinged doors specifically rated as an Industrial Control Panel Enclosure to provide NEMA Type 12 and IP 55 protection of IT, automation and control equipment.

Dimensions: [**24 U, 47.2 inches (1200 mm)**][**42U, 78.7 inches (2000 mm)**][**45U, 82.7 inches (2100 mm)**][**47U, 86.6 inches (2200 mm)**] high by [**23.6 inches (600 mm)**][**31.5 inches** **(800 mm)**] wide by [**23.6 inches (600 mm)**][**31.5 inches** **(800 mm)**][**39.4 inches** **(1000 mm)**][**47.2 inches** **(1200 mm)**] deep.

Equipment Support:

Select one of the two options below.

Mounting Plate: [**Full Height**][**Half Height**][**Quarter Height**], [**adjustable depth**][**inset**] to support panel mounted equipment.

Equipment Mounting Rails: Tapped or square punched; spaced horizontally to support 19 inch (482.6 mm) wide EIA/ECA-310-E compliant rack-mount equipment, two pairs for front and rear equipment support, electrically bonded to frame.

Ventilation:

Select one of the options below when the enclosure requires ventilation.

For fans: Generally, cool air enters the lower side of the enclosure and hot air exhaust near the top of the enclosure. Filters can be mounted on doors or side panels. Fans can be mounted on the doors, side panels or the top panel. Intake indicates location on the lower half of the panel. Exhaust indicates location on the upper half of the panel. In some instances, intake and exhaust fans are available. Intake fans are preferred as they will pressurize the enclosure and help prevent dust from entering the enclosure.

Intake Fan and Exhaust Filter: Provides front-to-rear airflow through doors. Fan will be rated for maximum airflow of [**65 CFM (110 CMH)**][**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**][**230 VAC**]<**insert requirement**>.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through side panels. Fan will be rated for maximum airflow of [**65 CFM (110 CMH)**][**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**][**230 VAC**]<**insert requirement**>.

Intake Filter and Exhaust Fan: Provides side-to-top airflow through side panels to the top panel. Fan will be rated for maximum airflow of [**441 CFM (749 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>.

Intake Filter and Exhaust Fan: Provides front and rear-to-top airflow through the doors to the top panel. Fan will be rated for maximum airflow of [**441 CFM (749 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>.

Cooling units can be mounted on the side panel or a door. Cooling units are center-mounted. Only one cooling unit is required per enclosure. Do NOT use cooling units and filter/fans together. Standard cooling unit sizes are listed below, but other sizes are available. Contact CPI for assistance sizing the system. Be sure to also include the appropriate ventilation option with each panel description (top, sides, doors) below.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**right side panel**][**left side panel**], will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**front door**][**rear door**], will be rated between [**3000-4000 BTU/hr (879-1172 W)**]<**insert requirement**> maximum capacity and [**115 VAC**][**<insert requirement>**].

Top Panel: Bolt on, solid, removable.

Select one of the options below or delete both if using a solid top panel. The gland plate is a removable plate over an opening at the rear of the top panel. The gland plate can be removed and modified for cable entry, then replaced onto the top panel as an alternative to drilling holes in the enclosure. When selecting an Exhaust Filter Fan, be sure to also select either Intake Filters for side panels or Intake Filters for Front and Rear Doors. This creates side-to-top or front/rear-to-top airflow.

Removable Gland Plate for cable access.

Exhaust Filter Fan.

Bottom Panel: Bolt on, solid, removable.

Select the option below to include gland plates. The gland plate is a removable plate over an opening in the bottom panel. The gland plate can be removed and modified for cable entry, then replaced onto the bottom panel as an alternative to drilling holes in the enclosure.

Removable Gland Plates for cable access.

Solid Side Panels: [**Two**][**One**][**None**].

 Side Panels must be included to seal individual enclosures or the end of a group of bayed enclosures. Select [**Two**] side panels if Filters, Filter Fans or Cooling Units are designated for side panels in the Ventilation section above, the side panels will have appropriately sized cutouts to accept attachment of the filters, filter fans or cooling unit.

Front Door: Removable, reversible, hinged [**solid metal**][**viewing door**].

Select from the options below. Doors or fixed panels must be included to seal every enclosure. If Filters, Filter Fans or Cooling Units are designated for doors in the Ventilation section above, the doors must be solid metal doors and will have appropriately sized cutouts to accept attachment of the filters, filter fans or cooling unit. Intake Filter/Fans are located on the bottom half of the door; Exhaust Filter/Fans are located on the top half of the door. Cooling units are located near the middle of the door. The viewing door has a tempered glass window on the top third of the door..

Latch and Lock: [**Double bit**][**T-handle with keyed lock**].

Document holder.

Rear Door: Removable, reversible, hinged [**solid metal**][**viewing door**].

Select from the options below. Doors or fixed panels must be included to seal every enclosure. If Filters, Filter Fans or Cooling Units are designated for doors in the Ventilation section above, the doors must be solid metal doors and will have appropriately sized cutouts to accept attachment of the filters, filter fans or cooling unit. Intake Filter/Fans are located on the bottom half of the door; Exhaust Filter/Fans are located on the top half of the door. Cooling units are located near the middle of the door. The viewing door has a tempered glass window on the top third of the door.

Latch and Lock: [**Double bit**][**T-handle with keyed lock**].

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Finish and Color: Powder coat paint in [**black**][**hammer gray**].

Certifications: UL Listed, Industrial Control Panel Enclosures, Type 12, File Number NITW.E473128; UL Listed, Industrial Control Panel Enclosures for Canada, Type 12 File Number NITW7.E473128; UL Classified, Degrees of Protection by Enclosures Certified to IEC Publication, IP55, File Number EOFI.E486325.

Optional Accessories: [**Full Height Mounting Plate**][**Full Height Baying Mounting Plate**][**Half Height Mounting Plate**][**Quarter-Height Mounting Plate**][**Bracket Kit for Inset Mount of Full-Height Mounting Plate**][**Equipment Mounting Rails**][**Front-to-Rear Horizontal Support Slides**][**Baying Kit**][**Finger Cable Manager**][**Ring Cable Manager**][**Lashing Bracket**][**Full Height Dual PDU Bracket**][**Half Height Dual PDU Bracket**][**Vertical Rack Busbar**][**Vertical Busbar Mounting Kit**][**Drop-In Bolt Hardware Kit**][**Drop-In Nut Hardware Kit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**][**Plinth Base**][**Veritcal eConnect PDU**][**Interior Light**].

RMR FIXED WALL-MOUNTED ENCLOSURE

Fixed wall-mount enclosures store 19” EIA (482.6 mm) rack-mount computer, data storage and networking equipment or panel-mount control system automation equipment in wet and dirty indoor environments. Enclosures protect equipment from blowing dust and dirt and dripping or splashing non-corrosive liquid. The enclosure provides front-only access to equipment through the front door. Installed cabinets include power and cable management accessories that keep network and power cables separate and organized.

Product webpage:

<http://www.chatsworth.com/products/industrial-enclosures/rmr-fixed-wall-mount-enclosure/>

Product Data Sheet:

http://www.chatsworth.com/uploadedfiles/files/rmr\_fixed\_wall-mount\_enclosure\_datasheet.pdf

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Fixed Wall-Mounted Enclosure.

Description: Wall-mount enclosure with hinged front door specifically rated as an Industrial Control Panel Enclosure to provide NEMA Type 12 and IP 55 protection of IT, automation and control equipment.

Dimensions: [**9U, 19.1 inches (486 mm)**][**12U, 24.4 inches (619 mm)**][**15U, 29.6 inches (753 mm)**][**18U, 34.9 inches (886 mm)**][**21 U, 40.1 inches (1019 mm)**][**26U, 48.9 inches (1241 mm)**] high by [**23.6 inches (600 mm)**][**27.6 inches (700 mm)**] wide by [**20 inches (510 mm)**][**24 inches (610 mm)**][**29.9 inches (760 mm)**] deep.

Equipment Support:

Select one of the two options below.

Mounting Plate: [**Adjustable depth**][**Fixed**] to support panel mounted equipment.

Equipment Mounting Rails: Tapped or square punched; spaced horizontally to support 19 inch (482.6 mm) wide EIA/ECA-310-E compliant rack-mount equipment, electrically bonded to frame.

Ventilation:

Select one of the options below when the enclosure requires ventilation. Strike this section if Ventilation is not required. There is one option for fans and one option for cooling units.

Do NOT use cooling units and filter/fans together. Standard fan and cooling unit sizes are listed below, but other sizes are available. Contact CPI for assistance sizing the system. Be sure to also include the appropriate ventilation option with each panel description (top, sides, doors) below.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**38 CFM (65 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**left side panel**], will be rated between [**900-1300 BTU/hr (263-381 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>.

Cable Entry:

Select one of the three options below to describe cable entry on the top and bottom of the enclosure. NOTE: If you specify the Brush gland, the enclosure is no longer completely sealed and will not be NEMA/UL Type 12 or IP 55 rated.

Top: [**No cable entry**][**Gland plate**][**Brush gland**]

Bottom: [**No cable entry**][**Gland plate**][**Brush gland**]

Materials and Construction: Steel, welded enclosure sealed with foamed-in-place foam gaskets.

Front Door: Removable, reversible, hinged [**solid metal**][**tempered glass door**] with quarter-turn wing knob latch(es) and keyed lock(s).

Finish and Color: Powder coat paint in [**black**][**hammer gray**].

Retain the section Certifications with Cable Entry options No cable entry and Gland plate. Strike the section Certifications with Cable Entry option Brush gland.

Certifications: UL Listed, Industrial Control Panel Enclosures, Type 12, File Number NITW.E473128; UL Listed, Industrial Control Panel Enclosures for Canada, Type 12 File Number NITW7.E473128; UL Classified, Degrees of Protection by Enclosures Certified to IEC Publication, IP 55, File Number EOFI.E486325.

Optional Accessories: [**Fixed Depth Mounting Plate**][**Adjustable Depth Mounting Plate**][**Equipment Mounting Rails**][**Quick Wall-Mounting Kit**][**Wall-Mount Enclosure Lag Bolt Mounting Kit**][**Short Finger Cable Manager**][**Vertical Lashing Bracket**][**Front-to-Back Rear Cable Lashing Bracket**] [**Wall-Mount Enclosure Busbar Kit**][**Wall-Mount Enclosure Grounding Lug Kit**][**Wall-Mount Enclosure Brush Cable Entry Grommet**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**][**Horizontal eConnect PDU**][**Interior Light**].

RMR SWING WALL-MOUNTED ENCLOSURE

Swing wall-mount enclosures store 19” EIA (482.6 mm) rack-mount computer, data storage and networking equipment or panel-mount control system automation equipment in wet and dirty indoor environments. Enclosures protect equipment from blowing dust and dirt and dripping or splashing non-corrosive liquid. The enclosure provides front and rear access to equipment through the front door and a hinged rear panel. Installed cabinets include power and cable management accessories that keep network and power cables separate and organized.

Product webpage:

<http://www.chatsworth.com/products/industrial-enclosures/rmr-swing-wall-mount-enclosure/>

Data Sheet:

<http://www.chatsworth.com/uploadedfiles/files/rmr_swing_wall-mount_enclosure_datasheet.pdf>

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Swing Wall-Mounted Enclosure.

Description: Wall-mount enclosure with hinged front door and hinged rear section that provides access to the back of equipment specifically rated as an Industrial Control Panel Enclosure to provide NEMA Type 12 and IP 55 protection of IT, automation and control equipment.

Dimensions: [**9U, 19.1 inches (486 mm)**][**12U, 24.4 inches (619 mm)**][**15U, 29.6 inches (753 mm)**][**18U, 34.9 inches (886 mm)**][**21 U, 40.1 inches (1019 mm)**][**26U, 48.9 inches (1241 mm)**] high by [**23.6 inches (600 mm)**][**27.6 inches (700 mm)**] wide by [**20 inches (510 mm)**][**24 inches (610 mm)**][**29.9 inches (760 mm)**] deep.

Equipment Support:

Select one of the two options below.

Mounting Plate: [**Adjustable depth**][**Fixed**] to support panel mounted equipment.

Equipment Mounting Rails: Tapped or square punched; spaced horizontally to support 19 inch (482.6 mm) wide EIA/ECA-310-E compliant rack-mount equipment, electrically bonded to frame.

Ventilation:

Select one of the options below when the enclosure requires ventilation. Strike this section if Ventilation is not required. There is one option for fans and one option for cooling units.

Do NOT use cooling units and filter/fans together. Standard fan and cooling unit sizes are listed below, but other sizes are available. Contact CPI for assistance sizing the system. Be sure to also include the appropriate ventilation option with each panel description (top, sides, doors) below.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**38 CFM (65 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**left side panel**], will be rated between [**900-1300 BTU/hr (263-381 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>.

Cable Entry:

Select one of the three options below to describe cable entry on the top and bottom of the enclosure. NOTE: If you specify the Brush gland, the enclosure is no longer completely sealed and will not be NEMA/UL Type 12 or IP 55 rated.

Top: [**No cable entry**][**Gland plate**][**Brush gland**]

Bottom: [**No cable entry**][**Gland plate**][**Brush gland**]

Materials and Construction: Steel, welded enclosure sealed with foamed-in-place foam gaskets.

Front Door: Removable, reversible, hinged [**solid metal**][**tempered glass door**] with quarter-turn wing knob latch(es) and keyed lock(s).

Finish and Color: Powder coat paint in [**black**][**hammer gray**].

Retain the section Certifications with Cable Entry options No cable entry and Gland plate. Strike the section Certifications with Cable Entry option Brush gland.

Certifications: UL Listed, Industrial Control Panel Enclosures, Type 12, File Number NITW.E473128; UL Listed, Industrial Control Panel Enclosures for Canada, Type 12 File Number NITW7.E473128; UL Classified, Degrees of Protection by Enclosures Certified to IEC Publication, IP 55, File Number EOFI.E486325.

Optional Accessories: [**Fixed Depth Mounting Plate**][**Adjustable Depth Mounting Plate**][**Adjustable Depth Mounting Plate**][**Equipment Mounting Rails**][**Quick Wall-Mounting Kit**][**Wall-Mount Enclosure Lag Bolt Mounting Kit**][**Short Finger Cable Manager**][**Vertical Lashing Bracket**][**Front-to-Back Rear Cable Lashing Bracket**] [**Wall-Mount Enclosure Busbar Kit**][**Wall-Mount Enclosure Grounding Lug Kit**][**Wall-Mount Enclosure Brush Cable Entry Grommet**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**][**Horizontal eConnect PDU**][**Interior Light**].

RMR FLOOR-MOUNT ENCLOSURE

Floor-mount enclosures store panel-mount control system automation equipment in wet and dirty indoor (NEMA Type 12) or outdoor (NEMA Type 4) environments. NEMA Type 12 enclosures protect equipment from blowing dust and dirt and dripping or splashing non-corrosive liquid. NEMA Type 4 enclosures have additional protection against hose directed spray of non-corrosive liquid, rain, sleet and ice. The enclosure consists of a formed and sealed rectangular frame with hinged double doors and is elevated on floor stands. Mounting Plates are ordered separately. Add optional Drain Plug, Vent Kit and Drip Sheild to use in NEMA Type 3R applications.

Product webpage:

<http://www.chatsworth.com/products/industrial-enclosures/>

Product Data Sheet:

<http://www.chatsworth.com/uploadedfiles/files/rmr_floor-mount_A04-A05_enclosure_datasheet.pdf>

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Floor-Mount Enclosure, NEMA Type 12, Single Access, Double Doors, Series A04.

Description: Sealed enclosure with hinged doors and floor stands specifically rated to provide NEMA Type 12 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Width: [**42 inches (1067 mm)**][**43 inches (1092 mm)**][**44 inches (1118 mm)**][**45 inches (1143 mm)**][**46 inches (1168 mm)**][**47 inches (1194 mm)**][**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Depth: [**8 inches (203 mm)**][**9 inches (229 mm)**][**10 inches (254 mm)**][**11 inches (279 mm)**][**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**][**17 inches (432 mm)**][**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**].

Floor Stand: 12 inches (305 mm).

Equipment Support:

Mounting Plate: Full height, attaches to rear of the enclosure, to support panel mounted equipment.

Ventilation:

Select one of the options below when the enclosure requires ventilation. Other fan and air conditioner sizes are available. Contact CPI for assistance.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the left side panel, must be 14 inches or deeper, will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with concealed hinges.

Select from the lock options below. Doors on NEMA Type 12 enclosures lap when closed.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Squre lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 doors lap. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

Optional Accessories: [**Solid Mounting Plate**][**Door Stop Kit**][**Grounding and Bonding Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Floor-Mount Enclosure, NEMA Type 4, Single Access, Double Doors, Series A05.

Description: Sealed enclosure with hinged doors and floor stands specifically rated to provide NEMA Type 4 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**][**73 inches (1854 mm)**][**74 inches (1880 mm)**].

Width: [**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Depth: [**10 inches (254 mm)**][**11 inches (279 mm)**][**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**][**17 inches (432 mm)**][**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**].

Floor Stand: [**12 inches (305 mm)**].

Equipment Support:

Mounting Plate: Full height, attaches to rear of the enclosure, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance. NEMA Type 4 enclosures can be used outdoors. To meet NEMA Type 3R, add a vent kit and drain plug kit.

XL Polyvent Protective Vent Kit: Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Threaded Drain Plug Kit: Allows accumulated or condensed water to drain out the bottom of the enclosure. Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the left side panel, must be 14 inches or deeper, will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a small cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with concealed hinges.

Select from the lock options below. Doors on NEMA Type 4 enclosures interface with a center beam. The beam is removable to access the panel within the enclosure.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Squre lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 4 enclosures are for indoor or outdoor use and protect against dirt, rain, sleet, snow, splash, dripping and hose down of noncorrosive liquid. NEMA Type 4 doors land on a center beam. NEMA Type 4 enclosure can be used for NEMA Type 1, 2, 5, 12 or for NEMA Type 3R when equipped with optional drain and drip shield.

NEMA Type 4 (also meets NEMA Type 1, 2, 3, 5, 12 and 3R with drain and drip shield).

Optional Accessories: [**Solid Mounting Plate**][**Threaded Drain Plug Kit**][**Door Stop Kit**][**Drip Shield Assembly**][**Grounding and Bonding Kit**][**XL Polyvent Protective Vent Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

FREE-STANDING ENCLOSURES

Free-standing enclosures store panel-mount control system automation equipment in wet and dirty indoor (NEMA Type 12) or outdoor (NEMA Type 4) environments. NEMA Type 12 enclosures protect equipment from blowing dust and dirt and dripping or splashing non-corrosive liquid. NEMA Type 4 enclosures have additional protection against hose directed spray of non-corrosive liquid, rain, sleet and ice. The enclosure consists of a formed and sealed rectangular frame with single (front only) or dual (front and rear) access, hinged single or double doors. No floor stands are included. Mounting Plates are ordered separately. Add optional Drain Plug, Vent Kit and Drip Shield to use in NEMA Type 3R applications.

Product webpage:

<http://www.chatsworth.com/products/industrial-enclosures/>

Product Data Sheet:

<http://www.chatsworth.com/uploadedfiles/files/rmr_free-standing_A06-A10_enclosure_datasheet.pdf>

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Free-Standing Enclosure, NEMA Type 12, Single Access, Double Doors, Series A06.

Description: Sealed enclosure with single access (front only) hinged double doors specifically rated to provide NEMA Type 12 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**][**73 inches (1854 mm)**][**74 inches (1880 mm)**][**75 inches (1905 mm)**][**76 inches (1930 mm)**][**77 inches (1956 mm)**][**78 inches (1981 mm)**][**79 inches (2007 mm)**][**80 inches (2032 mm)**][**81 inches (2057 mm)**][**82 inches (2083 mm)**][**83 inches (2108 mm)**][**84 inches (2134 mm)**][**85 inches (2159 mm)**][**86 inches (2184 mm)**][**87 inches (2210 mm)**][**88 inches (2235 mm)**][**89 inches (2261 mm)**][**90 inches (2286 mm)**].

Width: [**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Depth: [**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Equipment Support:

Mounting Plate: Full height, adjustable depth, to support panel mounted equipment.

Ventilation:

Select one of the options below when the enclosure requires ventilation. Other fan and air conditioner sizes are available. Contact CPI for assistance.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**left side panel, must be 14 inches or deeper**], will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with concealed hinges.

Select from the lock options below. Doors on NEMA Type 12 enclosures lap when closed.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 doors lap. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

Optional Accessories: [**Solid Mounting Plate**][**Door Stop Kit**][**Grounding and Bonding Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Free-Standing Enclosure, NEMA Type 12, Dual Access, Double Doors, Series A07.

Description: Sealed enclosure with dual access (front and rear) hinged double doors specifically rated to provide NEMA Type 12 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height:[**72 inches (1829 mm)**][**73 inches (1854 mm)**][**74 inches (1880 mm)**][**75 inches (1905 mm)**][**76 inches (1930 mm)**][**77 inches (1956 mm)**][**78 inches (1981 mm)**][**79 inches (2007 mm)**][**80 inches (2032 mm)**][**81 inches (2057 mm)**][**82 inches (2083 mm)**][**83 inches (2108 mm)**][**84 inches (2134 mm)**][**85 inches (2159 mm)**][**86 inches (2184 mm)**][**87 inches (2210 mm)**][**88 inches (2235 mm)**][**89 inches (2261 mm)**][**90 inches (2286 mm)**].

Width: [**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Depth: [**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Equipment Support:

Mounting Plate: Full height, adjustable depth, to support panel mounted equipment.

Ventilation:

Select one of the options below when the enclosure requires ventilation. Other fan and air conditioner sizes are available. Contact CPI for assistance.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the left side panel, must be 14 inches or deeper, will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with concealed hinges.

Select from the lock options below. Doors on NEMA Type 12 enclosures lap when closed.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Rear Door: Solid metal double door with concealed hinges.

Select from the lock options below. Lock must match the front door. Doors on NEMA Type 12 enclosures lap when closed.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 doors lap. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

Optional Accessories: [**Solid Mounting Plate**][**Door Stop Kit**][**Grounding and Bonding Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Floor-Mount Enclosure, NEMA Type 4, Single Access, Double Doors, Series A08.

Description: Sealed enclosure with single access (front only) hinged double doors and center beam specifically rated to provide NEMA Type 4 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**][**73 inches (1854 mm)**][**74 inches (1880 mm)**][**75 inches (1905 mm)**][**76 inches (1930 mm)**][**77 inches (1956 mm)**][**78 inches (1981 mm)**][**79 inches (2007 mm)**][**80 inches (2032 mm)**][**81 inches (2057 mm)**][**82 inches (2083 mm)**][**83 inches (2108 mm)**][**84 inches (2134 mm)**][**85 inches (2159 mm)**][**86 inches (2184 mm)**][**87 inches (2210 mm)**][**88 inches (2235 mm)**][**89 inches (2261 mm)**][**90 inches (2286 mm)**].

Width: [**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Depth: [**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Equipment Support:

Mounting Plate: Full height, adjustable depth, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance. NEMA Type 4 enclosures can be used outdoors. To meet NEMA Type 3R, add a vent kit and drain plug kit.

XL Polyvent Protective Vent Kit: Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Threaded Drain Plug Kit: Allows accumulated or condensed water to drain out the bottom of the enclosure. Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**left side panel, must be 14 inches or deeper**], will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a small cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with removable center beam and concealed hinges.

Select from the lock options below. Doors on NEMA Type 4 enclosures interface with a center beam. The beam is removable to access the panel within the enclosure.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Squre lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 4 enclosures are for indoor or outdoor use and protect against dirt, rain, sleet, snow, splash, dripping and hose down of noncorrosive liquid. NEMA Type 4 doors land on a center beam. NEMA Type 4 enclosure can be used for NEMA Type 1, 2, 5, 12 or for NEMA Type 3R when equipped with optional drain and drip shield.

NEMA Type 4 (also meets NEMA Type 1, 2, 3, 5, 12 and 3R with drain and drip shield).

Optional Accessories: [**Solid Mounting Plate**][**Threaded Drain Plug Kit**][**Door Stop Kit**][**Drip Shield Assembly**][**Grounding and Bonding Kit**][**XL Polyvent Protective Vent Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Floor-Mount Enclosure, NEMA Type 12 and NEMA Type 4, Single Access, Single Door, Series A09.

Description: Sealed enclosure with single access (front only) hinged single door specifically rated to provide NEMA Type 12 and NEMA Type 4 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**][**73 inches (1854 mm)**][**74 inches (1880 mm)**][**75 inches (1905 mm)**][**76 inches (1930 mm)**][**77 inches (1956 mm)**][**78 inches (1981 mm)**][**79 inches (2007 mm)**][**80 inches (2032 mm)**][**81 inches (2057 mm)**][**82 inches (2083 mm)**][**83 inches (2108 mm)**][**84 inches (2134 mm)**][**85 inches (2159 mm)**][**86 inches (2184 mm)**][**87 inches (2210 mm)**][**88 inches (2235 mm)**][**89 inches (2261 mm)**][**90 inches (2286 mm)**].

Width: [**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Depth: [**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Equipment Support:

Mounting Plate: Full height, adjustable depth, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance. NEMA Type 4 enclosures can be used outdoors. To meet NEMA Type 3R, add a vent kit and drain plug kit.

XL Polyvent Protective Vent Kit: Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Threaded Drain Plug Kit: Allows accumulated or condensed water to drain out the bottom of the enclosure. Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintain a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the left side panel, must be 14 inches or deeper, will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a small cable opening for one cable. Field installed on the enclosure.

**Roxtec Sealing System** provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal single door with concealed hinges.

Select from the lock options below. Doors on NEMA Type 4 enclosures interface with a center beam. The beam is removable to access the panel within the enclosure.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements. NEMA Type 4 enclosures are for indoor or outdoor use and protect against dirt, rain, sleet, snow, splash, dripping and hose down of noncorrosive liquid. NEMA NEMA Type 4 enclosure can be used for NEMA Type 1, 2, 5, 12 or for NEMA Type 3R when equipped with optional drain and drip shield.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

NEMA Type 4 (also meets NEMA Type 1, 2, 3, 5, 12 and 3R with drain and drip shield).

Optional Accessories: [**Solid Mounting Plate**][**Threaded Drain Plug Kit**][**Door Stop Kit**][**Drip Shield Assembly**][**Grounding and Bonding Kit**][**XL Polyvent Protective Vent Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Floor-Mount Enclosure, NEMA Type 12 and NEMA Type 4, Dual Access, Single Door, Series A10.

Description: Sealed enclosure with dual access (front and rear) hinged single door specifically rated to provide NEMA Type 12 and NEMA Type 4 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**72 inches (1829 mm)**][**73 inches (1854 mm)**][**74 inches (1880 mm)**][**75 inches (1905 mm)**][**76 inches (1930 mm)**][**77 inches (1956 mm)**][**78 inches (1981 mm)**][**79 inches (2007 mm)**][**80 inches (2032 mm)**][**81 inches (2057 mm)**][**82 inches (2083 mm)**][**83 inches (2108 mm)**][**84 inches (2134 mm)**][**85 inches (2159 mm)**][**86 inches (2184 mm)**][**87 inches (2210 mm)**][**88 inches (2235 mm)**][**89 inches (2261 mm)**][**90 inches (2286 mm)**].

Width: [**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Depth: [**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Equipment Support:

Mounting Plate: Full height, adjustable depth, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance. NEMA Type 4 enclosures can be used outdoors. To meet NEMA Type 3R, add a vent kit and drain plug kit.

XL Polyvent Protective Vent Kit: Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Threaded Drain Plug Kit: Allows accumulated or condensed water to drain out the bottom of the enclosure. Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**left side panel, must be 14 inches or deeper**], will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a small cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal single door with concealed hinges.

Select from the lock options below.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Rear Door: Solid metal single door with concealed hinges.

Select from the lock options below. Front door and rear door locks must match.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements. NEMA Type 4 enclosures are for indoor or outdoor use and protect against dirt, rain, sleet, snow, splash, dripping and hose down of noncorrosive liquid. NEMA NEMA Type 4 enclosure can be used for NEMA Type 1, 2, 5, 12 or for NEMA Type 3R when equipped with optional drain and drip shield.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

NEMA Type 4 (also meets NEMA Type 1, 2, 3, 5, 12 and 3R with drain and drip shield).

Optional Accessories: [**Solid Mounting Plate**][**Threaded Drain Plug Kit**][**Door Stop Kit**][**Drip Shield Assembly**][**Grounding and Bonding Kit**][**XL Polyvent Protective Vent Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

RMR STANDARD WALL-MOUNT ENCLOSURES

Standard wall-mount enclosures store panel-mount control system automation equipment in wet and dirty indoor (NEMA Type 12) or outdoor (NEMA Type 4) environments. NEMA Type 12 enclosures protect equipment from blowing dust and dirt and dripping or splashing non-corrosive liquid. NEMA Type 4 enclosures have additional protection against hose directed spray of non-corrosive liquid, rain, sleet and ice. The enclosure consists of a formed and sealed rectangular frame with single (front only) access, hinged single or double doors. Mounting Plates are ordered separately. Mounting Plates attach to the rear of the enclosure. Add optional swing out panel to access both sides of the Mounting Plate. Add optional Drain Plug, Vent Kit and Drip Shield to use in NEMA Type 3R applications.

Product webpage:

<http://www.chatsworth.com/products/industrial-enclosures/>

Product Data Sheet:

<http://www.chatsworth.com/uploadedfiles/files/rmr_stdwall-mount_A11-A13_enclosure_datasheet.pdf>

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Standard Wall-Mount Enclosure, NEMA Type 12 and NEMA Type 4, Single Access, Single Door, Series A11.

Description: Sealed enclosure with single access (front only) hinged single door specifically rated to provide NEMA Type 12 or NEMA Type 4 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**][**17 inches (432 mm)**][**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**][**37 inches (940 mm)**][**38 inches (965 mm)**][**39 inches (991 mm)**][**40 inches (1016 mm)**][**41 inches (1041 mm)**][**42 inches (1067 mm)**][**43 inches (1092 mm)**][**44 inches (1118 mm)**][**45 inches (1143 mm)**][**46 inches (1168 mm)**][**47 inches (1194 mm)**][**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**][**61 inches (1549 mm)**][**62 inches (1575 mm)**][**63 inches (1600 mm)**][**64 inches (1626 mm)**][**65 inches (1651 mm)**][**66 inches (1676 mm)**][**67 inches (1702 mm)**][**68 inches (1727 mm)**][**69 inches (1753 mm)**][**70 inches (1778 mm)**][**71 inches (1803 mm)**][**72 inches (1829 mm)**].

Width: [**10 inches (254 mm)**][**11 inches (279 mm)**][**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**][**17 inches (432 mm)**][**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**].

Depth: [**6 inches (152 mm)**][**7 inches (178 mm)**][**8 inches (203 mm)**][**9 inches (229 mm)**][**10 inches (254 mm)**][**11 inches (279 mm)**][**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**][**17 inches (432 mm)**][**18 inches (457 mm)**][**19 inches (483 mm)**][**20 inches (508 mm)**][**21 inches (533 mm)**][**22 inches (559 mm)**][**23 inches (584 mm)**][**24 inches (610 mm)**].

Equipment Support:

Mounting Plate: Full height, attaches to rear of the enclosure, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance. NEMA Type 4 enclosures can be used outdoors. To meet NEMA Type 3R, add a vent kit and drain plug kit.

XL Polyvent Protective Vent Kit: Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Threaded Drain Plug Kit: Allows accumulated or condensed water to drain out the bottom of the enclosure. Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Intake Fan and Exhaust Filter: Provide side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the left side panel, must be 14 inches or deeper, will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with concealed hinges.

Select from the two latch and lock options below. Three-point latch includes a handle and has three a keyed, double-bit or square lock. Quarter turn latch does NOT include a handle and has a slotted, double bit or square lock. .

Latch: Three-point latch.

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Latch: [**Quarter Turn Latches**]

Lock: [**Slotted lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements. NEMA Type 4 enclosures are for indoor or outdoor use and protect against dirt, rain, sleet, snow, splash, dripping and hose down of noncorrosive liquid. NEMA NEMA Type 4 enclosure can be used for NEMA Type 1, 2, 5, 12 or for NEMA Type 3R when equipped with optional drain and drip shield.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

NEMA Type 4 (also meets NEMA Type 1, 2, 3, 5, 12 and 3R with drain and drip shield).

Optional Accessories: [**Solid Mounting Plate**][**Swing Out Plate Mounting Kit**][**Mounting Bracket Kit**][**Threaded Drain Plug Kit**][**Door Stop Kit**][**Drip Shield Assembly**][**Grounding and Bonding Kit**][**XL Polyvent Protective Vent Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Standard Wall-Mount Enclosure, NEMA Type 12, Single Access, Double Door, Series A12.

Description: Sealed enclosure with single access (front only) hinged double door specifically rated to provide NEMA Type 12 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**][**37 inches (940 mm)**][**38 inches (965 mm)**][**39 inches (991 mm)**][**40 inches (1016 mm)**][**41 inches (1041 mm)**][**42 inches (1067 mm)**][**43 inches (1092 mm)**][**44 inches (1118 mm)**][**45 inches (1143 mm)**][**46 inches (1168 mm)**][**47 inches (1194 mm)**][**48 inches (1219 mm)**].

Width: [**42 inches (1067 mm)**][**43 inches (1092 mm)**][**44 inches (1118 mm)**][**45 inches (1143 mm)**][**46 inches (1168 mm)**][**47 inches (1194 mm)**][**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**].

Depth: [**8 inches (203 mm)**][**9 inches (229 mm)**][**10 inches (254 mm)**][**11 inches (279 mm)**][**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**].

Equipment Support:

Mounting Plate: Full height, attaches to rear of the enclosure, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the [**left side panel, must be 14 inches or deeper**], will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal single door with concealed hinges.

Select from the lock options below.

Latch: Three-point latch

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 12 enclosures are for indoor use and protect against dirt and light splashing of non-corrosive liquid. NEMA Type 12 enclosures can be used for NEMA Type 1, 2, 5 requirements.

NEMA Type 12 (also meets NEMA Type 1, 2, 5).

Optional Accessories: [**Solid Mounting Plate**][**Swing Out Plate Mounting Kit**][**Mounting Bracket Kit**][**Door Stop Kit**][**Grounding and Bonding Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

[Basis-of-Design Product](http://www.specagent.com/LookUp/?ulid=12512&mf=04&src=wd): Subject to compliance with requirements, provide Chatsworth Products (CPI); RMR Standard Wall-Mount Enclosure, NEMA Type 4, Single Access, Double Door, Series A13.

Description: Sealed enclosure with single access (front only) hinged double door with center beam specifically rated to provide NEMA Type 4 protection of IT, automation and control equipment.

Select Height, Width and Depth from the options below.

Height: [**24 inches (610 mm)**][**25 inches (635 mm)**][**26 inches (660 mm)**][**27 inches (686 mm)**][**28 inches (711 mm)**][**29 inches (737 mm)**][**30 inches (762 mm)**][**31 inches (787 mm)**][**32 inches (813 mm)**][**33 inches (838 mm)**][**34 inches (864 mm)**][**35 inches (889 mm)**][**36 inches (914 mm)**][**37 inches (940 mm)**][**38 inches (965 mm)**][**39 inches (991 mm)**][**40 inches (1016 mm)**][**41 inches (1041 mm)**][**42 inches (1067 mm)**][**43 inches (1092 mm)**][**44 inches (1118 mm)**][**45 inches (1143 mm)**][**46 inches (1168 mm)**][**47 inches (1194 mm)**][**48 inches (1219 mm)**].

Width: [**42 inches (1067 mm)**][**43 inches (1092 mm)**][**44 inches (1118 mm)**][**45 inches (1143 mm)**][**46 inches (1168 mm)**][**47 inches (1194 mm)**][**48 inches (1219 mm)**][**49 inches (1245 mm)**][**50 inches (1270 mm)**][**51 inches (1295 mm)**][**52 inches (1321 mm)[53 inches (1346 mm)**][**54 inches (1372 mm)**][**55 inches (1397 mm)**][**56 inches (1422 mm)**][**57 inches (1448 mm)**][**58 inches (1473 mm)**][**59 inches (1499 mm)**][**60 inches (1524 mm)**].

Depth: [**8 inches (203 mm)**][**9 inches (229 mm)**][**10 inches (254 mm)**][**11 inches (279 mm)**][**12 inches (305 mm)**][**13 inches (330 mm)**][**14 inches (356 mm)**][**15 inches (381 mm)**][**16 inches (406 mm)**].

Equipment Support:

Mounting Plate: Full height, attaches to rear of the enclosure, to support panel mounted equipment.

Ventilation:

Select a filter fan or cooling unit, not both. Other fan and air conditioner sizes are available. Contact CPI for assistance. NEMA Type 4 enclosures can be used outdoors. To meet NEMA Type 3R, add a vent kit and drain plug kit.

XL Polyvent Protective Vent Kit: Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Threaded Drain Plug Kit: Allows accumulated or condensed water to drain out the bottom of the enclosure. Provides ventilation and equalize air pressure in the event of a rapid temperature change. Field installed on the bottom of the enclosure. Required to meet NEMA 3R rating.

Intake Fan and Exhaust Filter: Provides side-to-side airflow through the enclosure. Fan will be rated for maximum airflow of [**560 CFM (951 CMH)**]<**insert requirement**> and [**115 VAC**]<**insert requirement**>. Field installaed on the enclosure.

Cooling Unit: Maintains a fixed [**95°F (35°C)**]<**insert requirement**> internal temperature set point while maintaining separation of internal and external air. Cooling Unit shall attach to the left side panel, must be 14 inches or deeper, will be rated between [**5000-7000 BTU/hr (1465-2051 W)**]<**insert requirement**> maximum capacity and [**115 VAC**]<**insert requirement**>. Field installed on the enclosure.

Cable Entry:

Snap-In Liquid Tight Grommet: Provides protection for a cable opening for one cable. Field installed on the enclosure.

Roxtec Sealing System: Provides protection for a large cable opening for multiple cables. Field installed on the enclosure.

Front Door: Solid metal double door with center beam and concealed hinges.

Select from the two latch and lock options below. Three-point latch includes a handle and has three a keyed, double-bit or square lock. Quarter turn latch does NOT include a handle and has a slotted, double bit or square lock. .

Latch: [**Three-point latch**]

Handle: Heavy duty black powder coat, zinc die cast swing handle, accepts .38 in (9.5 mm) padlock

Lock: [**Keyed lock**][**Double bit lock**][**Square lock**].

Latch: [**Quarter Turn Latches**]

Lock: [**Slotted lock**][**Double bit lock**][**Square lock**].

Finish and Color: Powder coat paint in [**Black**][**Light Gray ANSI 61**][**Hammer Gray RAL7035**].

Certifications:

NEMA Type 4 enclosures are for indoor or outdoor use and protect against dirt, rain, sleet, snow, splash, dripping and hose down of noncorrosive liquid. NEMA Type 4 enclosure can be used for NEMA Type 1, 2, 5, 12 or for NEMA Type 3R when equipped with optional drain and drip shield.

NEMA Type 4 (also meets NEMA Type 1, 2, 3, 5, 12 and 3R with drain and drip shield).

Optional Accessories: [**Solid Mounting Plate**][**Swing Out Plate Mounting Kit**][**Mounting Bracket Kit**][**Threaded Drain Plug Kit**][**Door Stop Kit**][**Drip Shield Assembly**][**Grounding and Bonding Kit**][**XL Polyvent Protective Vent Kit**][**LED Light Kit**][**Filter Fan Kit**][**Cooling Unit**][**Snap-In Liquid Tight Grommet**][**Roxtec Sealing System**].

EXECUTION

INSTALLATION OF ENCLOSURES

General: Comply with NECA 1.

Install and adjust to position all cabinet/enclosure accessories including thermal management accessories, vertical cable managers, vertical power managers and equipment-mounting rails, using the manufacturer’s installation instructions prior to baying and/or placing the enclosure for attachment to the building and before installing any rack-mount equipment into the enclosure.

Shelves, horizontal cable managers and filler panels (rack-mount accessories), if used, may be installed after the enclosure is placed.

When attached to building structure, the installer shall provide installation hardware.

Retain paragraph below for enclosures in seismic areas.

Seismic Installations: Install anchors as designed by Structural Engineer licensed in <**Insert State**> and as detailed.

When used in a multi-enclosure bay, modular enclosures shall be attached side-by-side using baying kits according to the manufacturer’s instructions.

Attach overhead ladder rack or cable tray to the ceiling. A 3 inch (75 mm) minimum clearance between the top of the enclosure and the bottom of the ladder rack/cable tray shall be maintained. Ladder rack/cable tray shall be positioned so that it does not interfere with hot air exhaust through the enclosure’s top panel. Use radius drops where cable enters/exits the ladder rack/cable tray.

GROUNDING

Install grounding according to the NFPA 70 National Electric Code (NEC) and the BICSI TDMM, "Grounding, Bonding, and Electrical Protection" Chapter.

Attach a bonding conductor sized as defined in the NEC, TIA-607-C and as defined by local code or the authority having jurisdiction (AHJ) between the Bonding Busbar and the enclosure.

Attach the bonding conductor to the enclosure using a ground terminal block according to the manufacturer’s installation instructions. The installer shall provide the bonding conductor and other necessary hardware required to make the connections between the enclosure and the Bonding Busbar.

END OF SECTION 262716