

Type 12 Mild Steel Modular Freestanding Disconnect Enclosure *UHD*

M Series

Hinge Door with Handle (Flange w/ multi-vendor cutout)

Application



- Designed to bolt together in any number of units for maximum flexibility and ease of transportation. The UHDM system consists of a Main enclosure to house the flange mounted disconnect switch and interlocking Secondary enclosures which may be added or removed as required. Main enclosure units will accept the following disconnect switches and circuit breakers:
 - **ABB Controls** flange mounted variable depth operating mechanism for disconnect switches and circuit breakers.
 - **Allen Bradley** 1494V and 1494U variable depth flange mounted disconnect switches and circuit breaker mechanisms.
 - **C-H Westinghouse** Type C361 disconnect switches and operator mechanism. Cutler Hammer Type C371 circuit breaker operating mechanisms. Flex Shaft™ handle operators for circuit breakers.
 - **General Electric** Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also Spectra-Flex™ cable operators for circuit breakers.
 - **I-T-E Max-Flex™** flange mounted variable depth operating handles for disconnect switches and circuit breakers.
 - **Square D** disconnect switches and circuit breakers used with Class 9422 flange mounted variable depth operating mechanisms or cable mechanisms. These enclosures will not receive Class 9422 bracket mounted disconnect devices or Class 9422TG1 or TG2 devices.
- Refer to the **Universal Heavy Duty Disconnect Modular Selection Guide**.

Standards

- UL 508A Type 12
- CSA Type 12
- Complies with
 - NEMA Type 12
 - IEC 60529, IP54
- Appropriate components are required to maintain these standards.

Construction

- Formed from 10 gauge steel with smooth continuously welded seams.
- Body stiffeners are provided in the larger enclosures for extra rigidity.
- Heavy duty lifting eyes are anchored into reinforced top corners.
- Removable doors are secured with heavy duty lift off hinges.
- Flange trough collar (FTC) around door excludes liquids and contaminants.
- Formed 10 gauge steel inner panels are provided on collar studs.
- Panel supports are provided.
- Center post is removable, providing easy panel installation.
- Heavy duty three point latching door mechanism.

- Side openings are reinforced to provide structural strength, smooth edges and preset gasket compression.
- Oil resistant gaskets on doors and side openings are permanently secured. No gasket kit is provided.
- Main door handle complete with screw defeater and padlock hasp.
- Secondary door handle complete with padlock hasp.
- A mechanical interlock activated by the main door prevents the auxiliary door from being opened first.
- The universal flange cutout provides mounting for disconnect operators by use of the appropriate operator adaptor kit.
- A bonding stud is provided in the door and a grounding stud is provided in the enclosure for each door.
- A literature pocket is provided.
- **Formed End Plates and Flat End Plates**
 - Formed from 12 gauge steel.
 - Used to enclose the open end(s) of one or more modular enclosures.
 - Two types are available. No separate gasket kit is required.
- **Flat Barrier Plate**
 - Formed from 14 gauge steel.
 - May be used to provide a barrier between modular enclosures. They are supplied complete with gasket.
- **Panel Bridge Kit**
 - Formed from 10 gauge steel.
 - May be used to join back panels together between modular enclosures to provide a continuous panel surface.

Note:

- Disconnect switches, circuit breakers and operators are not provided with the enclosure, and must be ordered separately from the manufacturer.

Finish

- Cover and enclosure are phosphatized and finished in recoatable smooth ANSI 61 gray powder coating.
- Inner panel is finished in white powder coating.

Accessories

- | | |
|---|-----------------|
| • Flange Disconnect Operator Adaptor Kits | • Door Stop Kit |
| • Floor Stand Kit | • Window Kits |
| • Climate Control | • Lighting |
| • General Accessories | |

New and improved PDF part drawing files with more detail now available.

Click part number in table below to access PDF, DXF, and STEP files.

Main Enclosures

Left Side Open		Enclosure		Inner Panel		Door
Part No.	H	W	D	H	W	Type
UHDM724118MF TC	72.13	40.75	18.13	60.00	33.75	Single
UHDM844118MF TC	84.13	40.75	18.13	72.00	33.75	Single
UHDM844124MF TC	84.13	40.75	24.13	72.00	33.75	Single
UHDM727918MF TC	72.13	79.00	18.13	60.00	72.00	Double
UHDM847918MF TC	84.13	79.00	18.13	72.00	72.00	Double
UHDM847924MF TC	84.13	79.00	24.13	72.00	72.00	Double

Secondary Enclosures

Both Sides Open		Enclosure		Inner Panel		Door
Part No.	H	W	D	H	W	Type
UHDM724118SF TC	72.13	40.25	18.13	60.00	33.75	Single
UHDM844118SF TC	84.13	40.25	18.13	72.00	33.75	Single
UHDM844124SF TC	84.13	40.25	24.13	72.00	33.75	Single
UHDM727818SF TC	72.13	78.50	18.13	60.00	72.00	Double
UHDM847818SF TC	84.13	78.50	18.13	72.00	72.00	Double
UHDM847824SF TC	84.13	78.50	24.13	72.00	72.00	Double

Accessories

Part No.	H	W	Description
UHDM7218ECA	71.86	17.87	Formed end plate with mounting hardware
UHDM8418ECA	83.87	17.87	Formed end plate with mounting hardware
UHDM8424ECA	83.87	23.87	Formed end plate with mounting hardware
UHDM7218EPA	71.87	17.87	Flat end plate with mounting hardware
UHDM8418EPA	83.87	17.87	Flat end plate with mounting hardware
UHDM8424EPA	83.87	23.87	Flat end plate with mounting hardware
UHDM7218BPA	71.87	17.87	Flat barrier plate with mounting hardware
UHDM8418BPA	83.87	17.87	Flat barrier plate with mounting hardware
UHDM8424BPA	83.87	23.87	Flat barrier plate with mounting hardware
UHDMFTC72BK	60.00	-	Inner panel bridge kit
UHDMFTC84BK	72.00	-	Inner panel bridge kit

Tags: **UHD, modular, multi-door, freestanding, NEMA 12, Type 12, mild steel, disconnect, circuit breaker, ABB controls, 1494V, 1494U, Allen Bradley, C361, C371, Cutler Hammer, ITE, Max Flex, Siemens, STDA, General Electric, 9422, Square D**

Data subject to change without notice.

