Disconnect Enclosures

1447S Single Door Disconnect Enclosures - NEMA 12, 13

EN4DSC Disconnect Enclosures - NEMA 4

1447SN4 Single Door Disconnect Enclosures - NEMA 4

EN4DSC 304 Stainless Steel Disconnect Enclosures - NEMA 4, 4X

1447SN4SS 304 Stainless Steel Disconnect Enclosures - NEMA 4, 4X

2UD Two Door Wallmount Disconnect Enclosures - NEMA 12

2UDF Two Door Floormount Disconnect Enclosures - NEMA 12

2UDCP Two Door Floormount Disconnect Enclosures - NEMA 12

UHD Heavy Duty Disconnect Enclosures - NEMA 12

UHDM Modular Disconnect Enclosures - NEMA 12

Modular Enclosures

Modular Freestanding Enclosures - HFMD/HFMDT Series Disconnect Enclosure NEMA 12

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Canada: 519.822.2960 or 905.456.3770 USA: 716.630.7030 Data Subject to change without notice
1447S Single Door Disconnect Enclosures - NEMA 12, 13
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Application
Designed to house the following safety disconnect equipment:
- **ABB Controls** flange-mounted variable depth operating mechanism for disconnect switches and circuit breakers. Also cable version for circuit breakers.
- **Allen Bradley** 1494V variable depth flange mounted disconnect switches and circuit breaker operators. Will not accept Allen Bradley 1494F disconnect switches, 1494D circuit breaker operators.
- **C-H Westinghouse** C361 flange mounted variable depth operating mechanism with disconnect switches and C371 flange mounted variable depth operating mechanisms for circuit breakers. Also Flex-Shaft™ handle mechanisms for circuit breakers.
- **General Electric** Type STDA flange handles and variable depth operating mechanism for disconnect switches and circuit breakers. Also SpectraFlex™ cable operators for circuit breakers.
- **Siemens I-T-E Max-Flex™** flange mounted variable depth handles for disconnect switches and circuit breakers.
- **Square D** class 9422 disconnect switches with flange mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or cable mechanisms for circuit breakers. Will not accept Square D Class 9422 bracket-mounted disconnect devices, 9422TG1 or TG2 devices.

Standards
- UL 508 Type 12, 13
- CSA Type 12, 13
- **Complies with**
  - NEMA Type 12 and 13
  - JIC EGP-1-1967
  - IEC 60529, IP54
- Appropriate components are required to maintain these standards.

Construction
- Formed 14-gauge steel.
- Continuously welded seams.
- Larger sizes include door and body stiffeners.
- Welded brackets provide for enclosure mounting.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Cutouts and holes are provided to suit the handle, operating mechanism and door closing mechanism.
- Continuously hinged doors may be removed by pulling the hinge pin.
- Latch pivots and cover interlock brackets are welded to the door.
- Cover latch bars for door handles are provided.
- Collar studs are provided for mounting inner panels.
- A removable 12 gauge inner panel is included.
- Oil resistant gaskets are permanently secured and mechanically retained.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- A literature pocket is provided.

Note:
- Disconnects, operating mechanisms and door hardware are not provided with the enclosure, and must be ordered separately from the manufacturer.
- Enclosures with an "A" dimension under 40" require 2 point door closing hardware.
- Enclosures with an "A" dimension 40" or more require 3 point door closing hardware.

Finish
- Door and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating on the outside.
- Enclosure interior is finished in white powder coating.
- Inner panel is finished in white powder coating.

Accessories
- Additional inner panels...
  - see page 436
- Air conditioners...
  - see page 349-367
- Blowers...
  - see page 392
- Breather kits...
  - see page 400-401
- Doorstop kits...
  - see page 453
- Drip shield kits...
  - see page 451
- Enclosure stabilizers...
  - see page 456
- Filter fans...
  - see page 371-384
- Floor stand kits...
  - see page 453
- Heaters...
  - see page 393-396
- Thermostats...
  - see page 397
- Window kits...
  - see page 449
1447S Single Door Disconnect Enclosures - NEMA 12, 13

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Front View

Side View

Top View

Closing Mechanism

Catches top of enclosure only

Section Z-Z

When A =  M =

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1. Vertical body stiffener req’d on 1447SG only.
2. Omit center body stiffener if A is less than 41”.
3. Omit 2 middle studs if A is less than 31”.
4. Omit body stiffeners if B is 28” or less.
5. Omit 2 middle studs if B is less than 32”.
6. Omit door stiffener if B is 32” or less except if AxB is 42”x31.38”.

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
### 1447S Single Door Disconnect Enclosures - NEMA 12, 13

**ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D**

#### Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.

**Space Occupied by Disconnect**

Note:  
- "K" = 4.75 when "C" = 8.00
- "K" = 7.09 when "C" = 10.00
- "K" = 11.62 when "C" = 12.00
- "K" = 11.62 when "C" = 16.00
- "K" = 18.38 for 1447S46L12
- "P" = Wiring Space

Disconnects will occupy space on panel shown by dimensions "K", "L" and "M".

Wiring space "P" is available when disconnect is installed in the enclosure.

*The disconnect information and space occupied tables based on data supplied by disconnect manufacturer's bulletins. Hammond Manufacturing not responsible for dimensional accuracy.*

**Part No.** | Panel Size | Mounting Center | Ship Wt. lbs | Center Stiffener
--- | --- | --- | --- | ---
1447SA8 | 20 21.38 8 17 17 15.38 21.25 | 51 | N
1447SB8 | 24 21.38 8 21 17 15.38 25.25 | 60 | N
1447SC8 | 24 25.38 8 21 21 19.38 25.25 | 71 | N
1447SD8 | 30 25.38 8 27 21 19.38 31.25 | 74 | N
1447SE8 | 30 25.38 8 33 21 19.38 37.25 | 87 | N
1447SF8 | 36 25.38 8 33 27 19.38 37.25 | 98 | N
1447SG8 | 36 31.38 8 33 27 25.38 37.25 | 121 | N
1447SH8 | 42 31.38 8 39 27 25.38 43.25 | 135 | I
1447SJ8 | 48 37.38 8 39 33 31.38 43.25 | 154 | I
1447SK8 | 48 37.38 8 45 33 31.38 49.25 | 172 | I
1447SL8 | 60 37.38 8 57 33 31.38 61.25 | 248 | I
1447SA10 | 20 21.38 10 17 17 15.38 21.25 | 52 | N
1447SB10 | 24 21.38 10 21 17 15.38 25.25 | 63 | N
1447SC10 | 24 25.38 10 21 21 19.38 25.25 | 71 | N
1447SD10 | 30 21.38 10 27 21 19.38 31.25 | 90 | N
1447SE10 | 30 25.38 10 33 21 19.38 37.25 | 100 | N
1447SF10 | 36 25.38 10 33 27 25.38 37.25 | 126 | N
1447SG10 | 36 31.38 10 33 27 31.38 43.25 | 143 | I
1447SH10 | 42 31.38 10 39 27 31.38 49.25 | 193 | I
1447SK10 | 48 37.38 10 45 33 31.38 61.25 | 255 | I
1447SL10 | 60 37.38 10 57 33 31.38 61.25 | 285 | I
1447SE12 | 30 25.38 12 27 21 19.38 31.25 | 100 | N
1447SG12 | 36 31.38 12 33 27 25.38 37.25 | 130 | N
1447SH12 | 42 31.38 12 39 27 25.38 43.25 | 150 | I
1447SK12 | 42 37.38 12 39 33 31.38 43.25 | 220 | I
1447SL12 | 60 37.38 12 57 33 31.38 61.25 | 265 | I
1447SG16 | 60 37.38 16 27 33 25.38 37.25 | 265 | I
1447SK16 | 48 37.38 16 45 33 31.38 49.25 | 200 | I
1447SL16 | 60 37.38 16 57 33 31.38 61.25 | 265 | I
1447S46L12 | 60 37.38 12 57 34.5 31.38 61.25 | 220 | I
1447SG16 | 60 37.38 16 57 33 25.38 37.25 | 150 | N
1447SK16 | 48 37.38 16 45 33 31.38 49.25 | 200 | I
1447SL16 | 60 37.38 16 57 33 31.38 61.25 | 265 | I
### Hammond Series

#### ABB Controls

**DisConnect Switch**
- Flange operated switch (fusible or non-fusible)
  - Shaft: 8-12” dp enclosures, use DSFHS-12, 16” dp enclosures, use DSFHS-17
  - Handle: DSFHN-HS12

**Circuit Breaker**
- Operating Mechanism: see ABB chart
  - Shaft: 8-12” dp enclosures, use K7FHD-S12, 16” dp enclosures, use K7FHD-S17
  - Handle: K7FHD-HS12

**Allen Bradley**

**144V Flange Disconnect Switch**
- Disconnect switch and operating mechanism: Bulletin 1494V
  - Handle: Bulletin 1494V-H1 (except for Hammond part # 144TS64L12, use 1494V-H2)
  - Connecting rod: 8-10” dp enclosures, use 1494V-R1A; 12-16” dp enclosures, use 1494V-R2A (except for Hammond part # 144TS64L12, use 1494V-RB2 (2))
  - Trailer fuse block kit (if required): Bulletin 1494V
  - Fuse kit (if required)
  - Line and load connectors (if required)

**144V Flange Circuit Breaker**
- Circuit breaker: C-H Westinghouse
  - Handle: Bulletin 1494V-H1
  - Connecting rod: 8-10” dp enclosures, use 1494V-R1A; 12-16” dp enclosures, use 1494V-R2A
  - Door Hardware: 2 pt. Latching, use 1494V-L1; 3 pt. Latching, use 1494V-L2 and 1494V-L1

**Cutler Hammer**

**Type C361 Disconnect Switch**
- Disconnect switch and operating mechanism
  - Handle: C361-H1 or H3

**Type C371 Circuit Breaker**
- Circuit breaker: C-H Westinghouse
  - Operating mechanism
  - Handle: 150 amp, use C371H1 or H3; 250-600 amp, use C371H5 or H7

**C-H Westinghouse Circuit Breaker w/FlexShaft**
- Circuit breaker
  - Complete Flex-Shaft handle mechanism

**General Electric**

**Type STDA Flange Disconnect Switch**
- Disconnect switch: Type QMR or GMW
  - Handle: STD1 or STD2
  - Fuse kit (if required)
  - Variable depth operating mechanism
  - Door Hardware: 2 pt. Latching, use TDV-1; 3 pt. Latching, use TDV-1 and TDV-3

**Type STDA Flange Circuit Breaker**
- Circuit breaker
  - Handle: STD1 or STD2
  - Variable depth operating mechanism
  - Door Hardware: 2 pt. Latching, use TDV-1; 3 pt. Latching, use TDV-1 and TDV-3

**Circuit Breaker w/SpectraFlex**
- Circuit breaker
  - Flange Mt. Handle: 150-600 amp, use STD1; SK1200, use STD3
  - Breaker mounted mechanism.
  - Operating cable
  - Door Hardware: 2 pt. Latching, use TDV-1; 3 pt. Latching, use TDV-1 and TDV-3

**I-T-E Siemens**

**Max-Flex Flange Disconnect Switch**
- Disconnect switch: MCS
  - Handle: Flange mount FH0HS
  - Switch operator mechanism
  - Operating cable (standard 36.0”)
  - Door Hardware: 2 pt. Latching, use DKR2; 3 pt. Latching, use DKR3

**Max-Flex Flange Circuit Breaker**
- Circuit breaker
  - Pressure wire connectors
  - Handle: Flange mount FH0H (except for Hammond part # 144TS64L12, use FH0HN)
  - Circuit breaker operator mechanism
  - Operating cable: 125-600 amp, use 36’; 800 amp, use 48”
  - Door Hardware: 2 pt. Latching, use DKR2; 3 pt. Latching, use DKR3

**Square D**

**Class 9422 Disconnect Switch**
- Disconnect switch and operating mechanism 9422
  - Handle: Type A-1
  - Door Hardware: 2 pt. Latching, use 9423-M4 or M9; 3 pt. Latching, use 9423-M4 or M9, and 9423-M3

**Class 9422 Circuit Breaker**
- Circuit breaker
  - Operating mechanism: Class 9422
  - Handle: Type A-1
  - Door Hardware: 2 pt. Latching, use 9423-M4 or M9; 3 pt. Latching, use 9423-M4 or M9, and 9423-M3

**Class 9422 “T” Disconnect Switch w/ cable mechanism**
- Disconnect switch and operating mechanism 9422, Type T
  - Handle: Type A-1
  - Cable mechanism: Class 9422 CFT-O - 3, 5, or 10 foot
  - Door Hardware: 2 pt. Latching, use 9423-M4; 3 pt. Latching, use 9423-M4 or M9, and 9423-M3

**Circuit Breaker w/cable mechanism**
- Circuit breaker: Square D
  - Handle: Type A-1
  - Door Hardware: 2 pt. Latching, use 9423-M4; 3 pt. Latching, use 9423-M4 or M9, and 9423-M3
EN4DSC Disconnect Enclosures - NEMA 4
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

**Application**

Designed to house the following safety disconnect equipment:

- **ABB Controls** flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers. Cable version for circuit breakers also available.
- **Allen Bradley** 1494V variable depth flange mounted disconnect switches and circuit breaker operators NEMA 4 rated. Will not accept Allen Bradley 1494F disconnect switches, 1494D circuit breaker operators or 1494V-R1, -R2, or -W2 operating handles.
- **Cutler Hammer** C361 variable depth flange mounted disconnect switches and C371 circuit breaker operators. Also Flex-Shaft™ handle mechanisms for circuit breakers. Use Cutler Hammer NEMA 4X rated operating handles to maintain NEMA 4X integrity.
- **Siemens I-T-E Max-Flex™** flange mounted variable depth handles for disconnect switch and circuit breakers. Use handle for NEMA 4 rating.
- **General Electric** Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also SpectraFlex™ cable operators for circuit breakers.
- **Square D** Class 9422 disconnect switches with flange mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange mounted variable depth operating mechanism or cable mechanisms for circuit breakers. SN4SS enclosures will not accept Square D Class 9422 bracket-mounted disconnect devices, 9422TG1 or TG2 devices.

**Standards**

- UL 508 Type 3R, 4
- CSA Type 3R, 4
- Complies with
  - NEMA Type 3R, 4, 12 and 13
  - JIC EGP-1-1967
  - IEC 60529, IP66
- Appropriate components are required to maintain these standards.

**Construction**

- Formed 14 or 16 gauge steel.
- Continuously welded seams.
- Larger sizes include door stiffeners.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Cutouts and holes are provided to suit the flange handle operating mechanism.
- Doors may be easily removed for modifications and are interchangeable.
- Door is secured with easily operated 2 or 3-point handle.
- Cover interlock bracket is welded to the door.
- Collar studs are provided for mounting inner panels.
- Removable inner panel is sold separately.
- Seamless poured-in place gasket.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.

**Note:**

- Disconnects and operating mechanisms are not provided with the enclosure, and must be ordered separately from the manufacturer.

**Accessories**

- Additional inner panels...see page 437
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 431
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Mounting foot kit...see page 31
- Thermostats...see page 397
- Window kits...see page 449

**Finish**

- Door and enclosure are finished in recoatable smooth ANSI 61 grey powder coating.
EN4DSC Disconnect Enclosures - NEMA 4
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Consult various disconnect manufacturer’s to obtain L, M, and P for different brands.
K = 4.75 when C = 8.00
K = 11.62 when C = 12.00
P = wiring bend space when disconnect is installed in enclosure

Order panels separately. All panels are 12 GA.

<table>
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<tr>
<th>Part No.</th>
<th>Enclosure Size A x B x C</th>
<th>Door Gauge</th>
<th>Body Gauge</th>
<th>Optional Panel Size D x E</th>
<th>Mounting G x H</th>
<th>Latches Qty</th>
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1447SN4 Single Door Disconnect Enclosures - NEMA 4
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Application
Designed to house the following safety disconnect equipment:
- **ABB Controls** flange-mounted variable depth operating mechanism for disconnect switches and circuit breakers. Cable version for circuit breakers also available.
- **Allen Bradley** 1494V variable depth flange mounted disconnect switches and circuit breaker operators NEMA 4 rated. Will not accept Allen Bradley 1494F disconnect switches, 1494D circuit breaker operators or 1494V-R1, -R2, or -W2 operating handles.
- **C-H Westinghouse** C361 variable depth flange mounted disconnect switches and C371 circuit breaker operators, and also Flex-Shaft™ handle mechanism for circuit breakers. Use Cutler Hammer NEMA 4 rated operating handles to maintain NEMA 4 integrity.
- **General Electric** Type STDA flange handles and variable depth operating mechanism for disconnect switches and circuit breakers. Also Spectra-Flex™ cable operators for circuit breakers.
- **Siemens I-T-E Max-Flex™** flange mounted variable depth handles for disconnect switches and circuit breakers. Use handle for NEMA 4.
- **Square D** class 9422 disconnect switches with flange-mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or cable mechanisms for circuit breakers. SN4 enclosures will not accept Square D Class 9422 bracket-mounted disconnect devices, 9422TG1 or TG2 devices.

Standards
- UL 508 Type 3R, 4
- CSA Type 3R, 4
- Complies with
  - NEMA Type 3R, 4, 12
  - JIC EGP-1-1967
  - IEC 60529, IP66
- Appropriate components are required to maintain these standards.

Construction
- Formed 14-gauge steel.
- Continuously welded seams.
- Larger sizes include door and body stiffeners.
- Welded brackets provide for enclosure mounting.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Cutouts and holes are provided to suit the flange handle operating mechanism.
- Continuously hinged doors may be removed by pulling the stainless steel hinge pin.
- Door is secured with easily operated stainless steel clamps.
- Cover interlock bracket is welded to the door.
- Collar studs are provided for mounting inner panels.
- A removable 12 gauge inner panel is included.
- Seamless poured-in place gasket.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- A literature pocket is provided for the inside of the door.

Note:
- Disconnects and operating mechanisms are not provided with the enclosure, and must be ordered separately from the manufacturer.

Finish
- Door and enclosure are phosphatized and finished in ANSI 61 gray powder coating.
- Inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 436
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
1447SN4 Single Door Disconnect Enclosures - NEMA 4
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Front View

Formed View

Section Z-Z

When A= M=

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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<th>Mounting Centers</th>
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<td>31.38</td>
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Note: Number of door clamps varies to enclosure size.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
Application
Designed to house the following safety disconnect equipment:

- **ABB Controls** flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers. Cable version for circuit breakers also available.
- **Allen Bradley** 1494V variable depth flange mounted disconnect switches and circuit breaker operators NEMA 4 rated. Will not accept Allen Bradley 1494F disconnect switches, 1494D circuit breaker operators or 1494V-R1, -R2, or -W2 operating handles.
- **Cutler Hammer** C361 variable depth flange mounted disconnect switches and C371 circuit breaker operators. Also Flex-Shaft™ handle mechanisms for circuit breakers. Use Cutler Hammer NEMA 4X rated operating handles to maintain NEMA 4X integrity.
- **Siemens I-T-E Max-Flex™** flange mounted variable depth handles for disconnect switch and circuit breakers. Use handle for NEMA 4 rating.
- **General Electric** Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also SpectraFlex™ cable operators for circuit breakers.
- **Square D** Class 9422 disconnect switches with flange mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange mounted variable depth operating mechanism or cable mechanisms for circuit breakers. SN4SS enclosures will not accept Square D Class 9422 bracket-mounted disconnect devices, 9422TG1 or TG2 devices.

Standards
- UL 508 Type 3R, 4 and 4X
- CSA Type 3R, 4 and 4X
- Complies with
  - NEMA Type 3R, 4, 4X, 12 and 13
  - JIC EGP-1-1967
  - IEC 60529, IP66
- Appropriate components are required to maintain these standards.

Construction
- Formed 14 or 16 gauge type 304 stainless steel.
- Continuously welded seams.
- Larger sizes include door stiffeners.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Cutouts and holes are provided to suit the flange handle operating mechanism.
- Doors may be easily removed for modifications and are interchangeable.
- Door is secured with easily operated 2 or 3 point padlockable handle.
- Cover interlock bracket is welded to the door.
- Collar studs are provided for mounting inner panels.
- Removable inner panel is sold separately.
- Seamless poured-in place gasket.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.

Note:
- Disconnects and operating mechanisms are not provided with the enclosure, and must be ordered separately from the manufacturer.

Finish
- Door and enclosure are natural, brushed stainless steel.

Accessories
- Additional inner panels...see page 437
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Mounting foot kit...see page 31
- Thermostats...see page 397
- Window kits...see page 449
EN4DSC 304 Stainless Steel Disconnect Enclosures - NEMA 4, 4X

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

<table>
<thead>
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<th>Part No.</th>
<th>Enclosure Size A x B x C</th>
<th>Door Gauge</th>
<th>Body Gauge</th>
<th>Optional Panel Part No.</th>
<th>Panel Size D x E</th>
<th>Mounting G x H</th>
<th>Latches qty style</th>
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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
**Application**

Designed to house the following safety disconnect equipment:

- **ABB Controls** flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers. Cable version for circuit breakers also available.
- **Allen Bradley** 1494V variable depth flange mounted disconnect switches and circuit breaker operators NEMA 4 rated. Will not accept Allen Bradley 1494F disconnect switches, 1494D circuit breaker operators or 1494V-R1, -R2, or -W2 operating handles.
- **Cutler Hammer** C361 variable depth flange mounted disconnect switches and C371 circuit breaker operators. Also Flex-Shaft™ handle mechanisms for circuit breakers. Use Cutler Hammer NEMA 4X rated operating handles to maintain NEMA 4X integrity.
- **Siemens I-T-E Max-Flex™** flange mounted variable depth handles for disconnect switch and circuit breakers. Use handle for NEMA 4 rating.
- **General Electric** Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also SpectraFlex™ cable operators for circuit breakers.
- **Square D** Class 9422 disconnect switches with flange mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange mounted variable depth operating mechanism or cable mechanisms for circuit breakers. SN4SS enclosures will not accept Square D Class 9422 bracket-mounted disconnect devices, 9422TG1 or TG2 devices.

**Standards**

- UL 508 Type 3R, 4 and 4X
- CSA Type 3R, 4 and 4X
- **Complies with**
  - NEMA Type 3R, 4, 4X, 12 and 13
  - JIC EGP-1-1967
  - IEC 60529, IP66
- Appropriate components are required to maintain these standards.

**Construction**

- Formed 14 gauge type 304 stainless steel.
- Continuously welded seams.
- Larger sizes include door and body stiffeners.
- Formed lip on door and enclosure exclude flowing liquids and contaminants.
- Cutouts and holes are provided to suit the flange handle operating mechanism.
- Continuously hinged doors may be removed by pulling the stainless steel hinge pin.
- Door is secured with easily operated stainless steel clamps.
- Cover interlock bracket is welded to the door.
- Collar studs are provided for mounting inner panels.
- A removable 12 gauge inner panel is included.
- Seamless poured-in place gasket.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.
- A literature pocket is provided for the inside of the door.

**Note:**

- Disconnects and operating mechanisms are not provided with the enclosure, and must be ordered separately from the manufacturer.

**Finish**

- Door and enclosure are natural, brushed stainless steel.
- Inner panel is finished in white powder coating.

**Accessories**

- Additional inner panels...see page 436
- Air conditioners...see page 349-367
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Filter fans...see page 371-384
- Heaters...see page 393-396
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com
1447SN4SS 304 Stainless Steel Disconnect Enclosures - NEMA 4, 4X

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

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Note: Number of door clamps varies to enclosure size.

1. Vertical body stiffener req’d on 1447SN4SSG8 only.
2. Omit center body stiffener if A is less than 41”.
3. Omit 2 middle studs if A is less than 31”.
4. Omit body stiffeners if B is 28” or less.
5. Omit 2 middle studs if B is less than 32”.
6. Omit door stiffener if B is 32” or less except if AxB is 42”x31.38”.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
### Single Door Disconnect Enclosures - NEMA 4, 4X

#### Selection Guide

<table>
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<tr>
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<th>EN4DCS all versions</th>
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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
2UD Two Door Wallmount Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Application
Designed to accept the following disconnect switches and circuit breakers:
- **ABB Controls** flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers.
- **Allen Bradley** 1494F flange mounted disconnect switches and 1494D flange mounted operators for circuit breakers. Allen Bradley 1494V variable depth flange mounted disconnect switches and circuit breaker mechanisms.
- **C-H Westinghouse** Type C361 disconnect switches and operator mechanisms, and type C371 circuit breakers and 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.
- **Siemens 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, Class 9422TG1, or TG2 devices.

Operator Adaptor Kits
- All universal series enclosures require one adaptor kit (ordered separately) to adapt the type of disconnect and mechanism to be used.
- Each brand and type requires a different adaptor kit.
- Each kit contains an adaptor plate and master door interlocking mechanism.
- Fully detailed, illustrated instructions are included.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with
  - NEMA Type 12 and 13
  - JIC EGP-1-1967 and EMP-1-1967
  - 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 included in the larger enclosures for extra rigidity.
- Heavy duty lifting eyes are anchored into reinforced top corners.
- Flange trough collar (FTC) around door opening excludes liquids and contaminants.
- Removable doors are secured with heavy duty lift-off hinges.
- 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 mechanism with heavy duty roller ends is provided for ease of door closing.
- Oil resistant gaskets are permanently secured and mechanically retained.
- The right hand door is the master door.
- Master door handle complete with screw defater and padlock hasp.
- Slave door handle complete with padlock hasp.

A mechanical interlock activated by the master 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 provision for mounting fluorescent lighting is provided.
- 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 for the inside of the door.

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

Finish
- Door and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating on the outside.
- Enclosure interior is finished in white powder coating.
- Inner panel is finished in white powder coating.

Accessories
- Additional inner panels...see page 437
- Air conditioners...see page 349-367
- Blank adaptor plates...see page 182
- Operator adaptor kits...see page 182
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Heaters...see page 393-396
- Light kits...see page 452
- Thermostats...see page 397
- Window kits...see page 449

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All dimensions in inches unless specified otherwise

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2UD Two Door Wallmount Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.

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**2UDF Two Door Floormount Disconnect Enclosures - NEMA 12**

**ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D**

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**Application**

Designed to accept the following disconnect switches and circuit breakers:

- **ABB Controls** flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers.
- **Allen Bradley** 1494F flange mounted disconnect switches and 1494D flange mounted operators for circuit breakers. Allen Bradley 1494V variable depth flange mounted disconnect switches and circuit breaker mechanisms.
- **C-H Westinghouse** Type C361 disconnect switches and operator mechanisms, and type C371 circuit breakers and 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 SpectraFlex™ cable operators for circuit breakers.
- **Siemens 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, Class 9422TG1, or TG2 devices.

**Operator Adaptor Kits**

- All universal series enclosures require one adaptor kit (ordered separately) to adapt the type of disconnect and mechanism to be used.
- Each brand and type requires a different adaptor kit.
- Each kit contains an adaptor plate and master door interlocking mechanism.
- Fully detailed, illustrated instructions are included.

**Standards**

- UL 508 Type 12
- CSA Type 12
- Complies with:
  - NEMA Type 12
  - JIC EGP-1-1967 and EMP-1-1967
  - 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 included in the larger enclosures for extra rigidity.
- Flange trough collar (FTC) around door opening excludes liquids and contaminants.
- 15” floor stands are welded to the enclosure.
- Removable doors are secured with heavy duty lift-off hinges.
- Center post is removable, providing easy panel installation.
- Heavy duty three point latching mechanism with heavy duty roller ends is provided for ease of door closing.
- Oil resistant gaskets are permanently secured and mechanically retained.
- The right hand door is the master door.
- Master door handle complete with screw defeater and padlock hasp.
- Slave door handle complete with padlock hasp.
- A mechanical interlock activated by the master 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 provision for mounting fluorescent lighting is provided.
- 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.

**Finish**

- Door and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating on the outside.
- Enclosure interior is finished in white powder coating.
- Inner panel is finished in white powder coating.

**Accessories**

- Additional inner panels...see page 437
- Air conditioners...see page 349-367
- Blank adaptor plates...see page 182
- Operator adaptor kits...see page 182
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Heaters...see page 393-396
- Light kits...see page 452
- Thermostats...see page 397
- Window kits...see page 449

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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
## 2UDF Two Door Floormount Disconnect Enclosures - NEMA 12

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

### Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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### FTC Detail

- **GASKET**
- **FTC BODY FLANGE**
- **DOOR**
- **1.12**
- **0.51**
- **75°**
2UDCP  Two Door Floormount Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Application
Designed to accept the following disconnect switches and circuit breakers:
• **ABB Controls** flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers.
• **Allen Bradley** 1494F flange mounted disconnect switches and 1494D flange mounted operators for circuit breakers. Allen Bradley 1494V variable depth flange mounted disconnect switches and circuit breaker mechanisms.
• **C-H Westinghouse** Type C361 disconnect switches and operator mechanisms, and type C371 circuit breakers and 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.
• **Siemens 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, Class 9422TG1, or TG2 devices.

Standards
• UL 508 Type 12
• CSA Type 12
• Complies with
  • NEMA Type 12
  • JIC EGP-1-1967 and EMP-1-1967
  • 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 included in the larger enclosures for extra rigidity.
• 15” floor stands are welded to the enclosure.
• Flange through Collar (FTC) around door opening excludes liquids and contaminants.
• Heavy duty lifting eyes are anchored into reinforced top corners.
• Removable doors are secured with heavy duty lift-off hinges.
• 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 mechanism with heavy duty roller ends is provided for ease of door closing.
• Oil resistant gaskets are permanently secured.
• The left door is the master door.
• Master door handle complete with screw defater and padlock hsp.
• Slave door handle complete with padlock hsp.
• A mechanical interlock activated by the master 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 provision for mounting fluorescent lighting is provided.
• 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. Note:
  • Disconnect switches, circuit breakers and operators are not provided with the enclosure, and must be ordered separately from the manufacturer.

Finish
• Door and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating on the outside.
• Enclosure interior is finished in white powder coating.
• Inner panel is finished in white powder coating.

Accessories
• Additional inner panels...see page 437
• Air conditioners...see page 349-367
• Blank adaptors plates...see page 182
• Operator adaptors kits...see page 182
• Blowers...see page 392
• Breather kits...see page 400-401
• Doorstop kits...see page 453
• Filter fans...see page 371-384
• Floor stand kits...see page 453
• Heaters...see page 393-396
• Light kits...see page 452
• Thermostats...see page 397
• Window kits...see page 449
## 2UDCP Two Door Floormount Disconnect Enclosures - NEMA 12

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

### FTC Detail

### Front View

### Side View

### Rear View (Cross Section)

### Technical Table

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2UD, 2UDF & 2UCP Two Door Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Disconnect Ordering Information

ABB Controls
Disconnect switch:
- Flange operated switch (fuseable or non-fuseable)
- Shaft:
  - 12.13” deep enclosures use DSFH-S12
  - 18.13” deep enclosures use DSFH-S17
  - 24.13” deep enclosures, platform must be used with shaft (not included)
- Handle: DSFHN-HS12

Circuit breaker:
- Circuit breaker: ABB
- Operating mechanism
- Shaft:
  - 12.13” deep enclosures use K7FHD-S12
  - 18.13” deep enclosures use K7FHD-S17
  - 24.13” deep enclosures, platform must be used with shaft (not included)
- Handle mechanism: K7FHD-HS12

Allen Bradley
Bulletin 1494F flange mounted disconnect switch:
- Disconnect switch
- Fuse block adaptor (if required)
- Line and load connectors (if required)

Bulletin 1494D flange mounted circuit breaker operating mechanism, order:
- Circuit breaker: C-H Westinghouse
- Operating mechanism
- Slide mechanism

Bulletin 1494V flange mounted disconnect switch, order:
- Disconnect switch
- Operating handle
- Connecting rod (long)
- Trailer fuse block kit (if required)
- Fuse kit (if required)
- Line and load connectors (if required)

Bulletin 1494V flange mounted circuit breaker operating mechanism, order:
- Circuit breaker: C-H Westinghouse
- Operating mechanism
- Operating handle
- Connecting rod (long)
- When Allen Bradley 1494V devices are installed in 72” high enclosures with the operating handle mounted on the center post, an optional Allen Bradley channel support kit is recommended.

C-H Westinghouse
File C361 disconnect switch:
- Disconnect switch with an operating mechanism
- Operating handle: C361H1 or C361H3
- In 24.13” deep enclosures, platform must be used with shaft (not included)

File C371 circuit breaker operating mechanism with a C-H Westinghouse circuit breaker:
- Circuit breaker
- Operating mechanism
- Long operating rod (if required)
- Operating handle
  - 150A - C371H1 or C371H3
  - 250 through 600A - C371H5 or C371H7

Flex-Shaft™ handle mechanism:
- Circuit breaker
- Complete Flex-Shaft™ handle mechanism

General Electric
Disconnect switch:
- Disconnect switch: Type QMR or QMW
- Fuse clip kit or no-fuse kit
- Flange handle: STD A1 or STD A2
- Variable depth operating mechanism
- Extended length drive rod (if required)

Circuit breaker:
- Circuit breaker
- Flange handle: STD A1 or STD A2
- Variable depth operating mechanism
- Extended length drive rod (if required)
- An optional General Electric Flange Stiffener Kit (TDSR) is recommended when General Electric Type TDA devices are installed in 72.13” high enclosures with operating handle mounted on centerpost. Use with TD O M1, TD O M2, TD O M3, S100M1A, and S100M3 operating mechanisms.

Class 9422 Type T disconnect switch with a cable mechanism:
- Disconnect switch with operating mechanism:
  - Class 9422, Type T
  - Handle mechanism: Class 9422, type A-1
  - Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot
- An optional Square D Channel flange Support Kit (9422-C1) is recommended when some Square D devices are installed in 72.13” high enclosures with operating handle mounted on centerpost.

I-T-E Siemens
Disconnect switch:
- Basic switch (right-hand)
- Fuse kit or no-fuse kit
- Flange mounted handle: FHOHS
- Switch operator
- Operating cable:
  - FHOEC036 cable for 12.13” deep
  - FHOEC048 for 18.13” and 24.13” deep enclosures

Circuit breaker:
- Circuit breaker
- Pressure wire connectors
- Flange mounted handle
  - 100 to 600 - FHOH
  - 800 to 2000 - FHOHN
- Circuit breaker operator mechanism
- Operating cable:
  - 36” cable for 12.13” or 18.13” deep
  - 48” for 24.13” deep enclosures
- These items are available as a complete mechanism with a 36” operating cable only. Order items separately when using a 48” operating cable.

Square D
Disconnect switch:
- Disconnect switch with operating mechanism
- Universal handle mechanism: Type A-1
- Long operating rod (if required)

Circuit breaker:
- Circuit breaker
- Operating mechanism
- Universal handle mechanism: Type A-1
- Long operating rod (if required)

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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Application
- Designed to accept the following disconnect switches and circuit breakers:
  - ABB Controls flange mounted variable depth operating mechanisms for disconnect switches and circuit breakers.
  - Allen Bradley 1494F flange mounted disconnect switches and 1494D flange mounted operators for circuit breakers. Allen Bradley 1494V 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.
  - Siemens 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.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with
  - NEMA Type 12
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- 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.
- Flange trough collar (FTC) around door opening excludes liquids and contaminants.
- Heavy duty lifting eyes are anchored into reinforced top corners.
- Removable doors are secured with heavy duty lift off hinges.
- 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 mechanism with heavy duty roller ends is provided for ease of door closing.
- Oil resistant gaskets are permanently secured.
- The right-hand door on all enclosures is the master door.
- Master door handle complete with screw defeater and padlock hasp.
- Slave door handle complete with padlock hasp.
- A mechanical interlock activated by the master 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 provision for mounting fluorescent lighting is provided.
- 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 for the inside of the door.

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

Finish
- Door and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating on the outside.
- Interior - white powder coating.
- Inner panel is finished in white powder coating.
**1UHD Heavy Duty Disconnect Enclosures - NEMA 12**

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

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**Accessories**
- Additional inner panels...contact factory
- Air conditioners...see page 349-367
- Blank adaptor plates...see page 182
- Operator adaptor kits...see page 182
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Heaters...see page 393-396
- Light kits...see page 452
- Thermostats...see page 397

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**Front View**

**Side View**

**Rear View (Cross Section)**

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## 2UHD Two Door Heavy Duty Disconnect Enclosures - NEMA 12

**ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D**

### Technical Specifications

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<th>Overall Dimensions</th>
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Technical references and CAD downloads available at [www.hammondmfg.com](http://www.hammondmfg.com)

All dimensions in inches unless specified otherwise
3UHD Three Door Heavy Duty Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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4UHD Four Door Heavy Duty Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
5UHD Five Door Heavy Duty Disconnect Enclosures - NEMA 12

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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Disconnect Ordering Information

**ABB Controls**
*Disconnect switch:*
- Flange operated switch (fusible or non-fusible)
- Shaft:
  - 18.13” deep enclosures use DSFHS-17
  - 20.13” deep enclosures use DSFHS-22
  - 24.13” deep enclosures, platform must be used with shaft (not included)
- Handle: DSFHN-HS12

*Circuit breaker:*
- Circuit breaker: ABB
- Operating mechanism
- Shaft
  - 18.13” deep enclosures use K7FHD-S17
  - 20.13” deep enclosures use K7FHD-S22
  - 24.13” deep enclosures, platform must be used with shaft (not included)
- Handle mechanism: K7FHD-HS12

**Allen Bradley**

**Bulletin 1494F flange mounted disconnect switch:**
- Disconnect switch
- Fuse block adaptor (if required)
- Line and load connectors (if required)

**1494D flange mounted circuit breaker operating mechanism:**
- Circuit breaker: C-H Westinghouse
- Flange mounted operating mechanism
- Slide mechanism

**Bulletin 1494V flange mounted disconnect switch:**
- Disconnect switch
- Operating handle
- Connecting rod/rods (long)
- Trailer fuse block kit (if required)
- Fuse clip kit (if required)
- Line and load connectors (if required)

**Bulletin 1494V flange mounted circuit breaker operating mechanism:**
- Circuit breaker: C-H Westinghouse
- Operating mechanism
- Operating handle
- Connecting rod (long)

**C-H Westinghouse**
*Type C361 disconnect switch, order:*
- Disconnect switch with an operating mechanism
- Operating handle: C361H1 or C361H3
- In 24.13” deep enclosures, platform must be used with shaft (not included)

*Type C371 circuit breaker operating mechanism with a C-H Westinghouse circuit breaker:*
- Circuit breaker
- Operating mechanism
- Long operating rod (if required)
- Operating handle:
  - 150A - C371H1 or C371H3
  - 250 through 1200A - C371H5 or C371H7

*Flex-Shaft™ handle mechanism:*
- Circuit breaker
- Complete Flex-Shaft™ handle mechanism

**General Electric**
*Disconnect switch:*
- Disconnect switch: Type QMR or QMW
- Fuse clip kit or no-fuse kit
- Flange handle: STDA1 or STDA2
- Variable depth operating mechanism
- Extended length drive rod (if required)

*Circuit breaker:*
- Circuit breaker
- Operating mechanism
- Long operating rod (if required)
- Connecting rod/rods (long)

**I-T-E Siemens**
*Disconnect switch:*
- Basic switch (right-hand)
- Fuse or no-fuse kit
- Flange mounted handle: FHOHS
- Switch operator
- Operating cable: FHOEC048

*Circuit breaker:*
- Circuit breaker
- Pressure wire connectors
- Flange mounted handle:
  - 100 to 600 - FHOH
  - 800 to 2000 - FHOHN
- Circuit breaker operator mechanism
- Operating cable:
  - 18.13” deep or 24.13” deep enclosures accept 36” or 48” cables;
  - 24.13” deep enclosures require a 48” cable
- These items are available from I-T-E as a complete mechanism with a 36” operating cable only Order items separately when using a 48” cable

**Square D**
*Disconnect switch:*
- Disconnect switch with operating mechanism
- Universal handle mechanism: Type A-1
- Long operating rod (if required)

*Circuit breaker:*
- Circuit breaker
- Operating mechanism
- Universal handle mechanism: Type A-1
- Long operating rod (if required)

*When using a Class 9422 Type T disconnect switch with a cable mechanism, order:*
- Disconnect switch with operating mechanism: Class 9422, Type T
- Handle mechanism: Class 9422, Type A-1
- Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

*Circuit breaker with a cable mechanism:*
- Circuit breaker: Square D
- Handle mechanism: Class 9422, type A-1
- Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

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All dimensions in inches unless specified otherwise

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Canada: 519.822.2960 or 905.456.3770  USA: 716.630.7030  Data Subject to change without notice
Freestanding Enclosures

Application
Designed to bolt together in any number of units for maximum flexibility and ease of transportation. The UHDM system consists of a Master enclosure to house the flange mounted disconnect switch and interlocking Slave enclosures which may be added or removed as required. Master 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** 1494F flange mounted disconnect switches and 1494D flange mounted operators for circuit breakers.
- **Allen Bradley** 1494V variable depth flange operated 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.

Standards
- UL 508 Type 12
- CSA Type 12
- Complies with:
  - NEMA Type 12
  - JIC EGP-1-1967 and EMP-1-1967
  - 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.
- Master door handle complete with screw defeater and padlock hasp.
- Slave door handle complete with padlock hasp.
- A mechanical interlock activated by the master 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.

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

Finish
- Door and enclosure are phosphatized and finished in ANSI 61 gray recoatable powder coating on the outside.
- Interior - white powder coating.
- Inner panel is finished in white powder coating.

Accessories
- Additional inner panels — contact factory
- Air conditioners...see page 349-367
- Blank adaptor plates...see page 182
- Operator adaptor kits...see page 182
- Blowers...see page 392
- Breather kits...see page 400-401
- Doorstop kits...see page 453
- Enclosure stabilizers...see page 456
- Filter fans...see page 371-384
- Floor stand kits...see page 453
- Heaters...see page 393-396
- Light kits...see page 452
- Thermostats...see page 397
- Window kits...see page 449

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
### UHDM Modular Disconnect Enclosures - NEMA 12

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

#### Single Door Master Enclosure (Left side open)

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<th>Part No.</th>
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<th>C</th>
<th>D</th>
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#### Two Door Master Enclosure (Left side open)

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All dimensions in inches unless specified otherwise
UHDM Modular Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

**Single Door Slave Enclosure (Both sides open)**

**Two Door Slave Enclosure (Both sides open)**

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UHDM Modular Disconnect Enclosures - NEMA 12
ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

Disconnect Ordering Information

ABB Controls
Disconnect switch:
• Flange operated switch (fusible or non-fusible)
• Shaft:
  • 18.13" deep enclosures use DSFHS-17
  • 24.13" deep enclosures, platform must be used with shaft (not included)
• Handle: DSFHN-HS12

Circuit breaker:
• Circuit breaker: ABB
  • Operating mechanism
  • Shaft:
    • 18.13" deep enclosures use K7FHD-S17
    • 24.13" deep enclosures, platform must be used with shaft (not included)
  • Handle mechanism: K7FHD-HS12

Allen Bradley
Bulletin 1494F flange mounted disconnect switch:
• Disconnect switch
  • Fuse block adaptor (if required)
• Line and load connectors (if required)

1494D flange mounted circuit breaker operating mechanism:
• Circuit breaker: C-H Westinghouse
  • Flange mounted operating mechanism
  • Slide mechanism

Bulletin 1494V flange mounted disconnect switch:
• Disconnect switch
• Operating handle
• Connecting rod/rods (long)
• Trailer fuse block kit (if required)
• Fuse clip kit (if required)
• Line and load connectors (if required)

International Terminal Equipment
Disconnect switch:
• Basic switch (right-hand)
• Fuse or no-fuse kit
• Flange mounted handle: FHOHS
• Switch operator
• Operating cable: FHOEC048

Circuit breaker:
• Circuit breaker
  • Pressure wire connectors
  • Flange mounted handle: 100 to 600 - FHOH
  • 800 to 2000 - FHOHN
  • Circuit breaker operator mechanism
  • Operating cable:
    • 18.13" deep enclosures accept 36" or 48" cables;
    • 24.13" deep enclosures require a 48" cable
  • These items are available from Siemens I-T-E as a complete mechanism with a 36" operating cable only Order items separately when using a 48" cable

C-H Westinghouse
Type C361 disconnect switch:
• Disconnect switch with an operating mechanism
• Operating handle: C361H1 or C361H3
• In 24.13" deep enclosures, platform must be used with shaft (not included)

Type C371 circuit breaker operating mechanism with a C-H Westinghouse circuit breaker:
• Circuit breaker
• Operating mechanism
• Long operating rod (if required)
• Operating handle:
  • 150 amp - C371H1 or C371H3
  • 250 through 1200 amp - C371H5 or C371H7

Flex-Shaft™ handle mechanism:
• Circuit breaker
• Complete Flex-Shaft™ handle mechanism

General Electric
Disconnect switch:
• Disconnect switch: Type QMR or QMW
• Fuse clip kit or no-fuse kit
• Flange handle: STDA1 or STDA2
• Universal handle mechanism
• Extended length drive rod (if required)

Circuit breaker:
• Circuit breaker
  • Operating mechanism
  • Universal handle mechanism: Type A-1
  • Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

I-T-E Siemens
Disconnect switch:
• Basic switch (right-hand)
• Fuse or no-fuse kit
• Flange mounted handle: FHOHS
• Switch operator
• Operating cable: FHOEC048

Circuit breaker:
• Circuit breaker
  • Pressure wire connectors
  • Flange mounted handle: 100 to 600 - FHOH
  • 800 to 2000 - FHOHN
  • Circuit breaker operator mechanism
  • Operating cable:
    • 18.13" deep enclosures accept 36" or 48" cables;
    • 24.13" deep enclosures require a 48" cable
  • These items are available from Siemens I-T-E as a complete mechanism with a 36" operating cable only Order items separately when using a 48" cable

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot

Square D
Disconnect switch:
• Disconnect switch with operating mechanism
• Universal handle mechanism: Type A-1
• Long operating rod (if required)

Class 9422 Type T disconnect switch with a cable mechanism:
• Disconnect switch with operating mechanism: Class 9422, Type T
• Handle mechanism: Class 9422, Type A-1
• Cable mechanism: Class 9422 CFT_O, 3, 5, or 10 foot
UHDM Modular Disconnect Enclosures - NEMA 12

ABB Controls, Allen Bradley, Cutler Hammer, General Electric, Siemens I-T-E Max-Flex™, Square D

**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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Description</th>
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<td>Formed End Plate with</td>
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</tbody>
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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.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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USA: 716.630.7030
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Operator Adaptor Kits

- All Universal series enclosures require one adaptor kit (ordered separately) to adapt the type of disconnect and mechanism to be used.
- Each brand and type requires a different adaptor kit.
- Each kit contains an adaptor plate and master door interlocking mechanism.
- Fully detailed, illustrated instructions included.

Version Shown

Allen Bradley - 1494V H1

Part No. Operator Make Type
AKU ABB Controls operating handle
Disconnect Switch DSFH-HS12
Circuit Breaker K7FHDS12

Allen Bradley variable depth operating handle
Disconnect Switch
30-200 1494V H1
400-600 1494V H2
Circuit breaker 1494V H11

Cutler Hammer operating handle
Disconnect Switch Circuit Breaker
150A C361H1 or H3
50 to 1200A C371H1 or H3
Circuit Breaker C371 Flex-Shaft™ handle mechanism.

General Electric operating handle
Disconnect Switch Circuit Breaker
1494V H1 STDA1 or STDA2
1494V H2 STDA1 or STDA2

Siemens I-T-E Max-Flex™ operating handle
Disconnect Switch variable depth Circuit Breaker
125 to 600 FHOH
800 to 2000 FHOHN

Square D class 9422 operating mechanism
Disconnect Switch variable depth 9422 type A1
Circuit Breaker variable depth 9422 type A1
Disconnect Switch with cable mechanism 9422 type A1
Circuit Breaker with cable mechanism 9422 type A1

AK1494FD Allen Bradley 1494F and D
BPAK Blank Adapter Plate

Version Shown

Allen Bradley - 1494V H2

Space Occupied by Disconnects

Note: Disconnects will occupy space on panel shown by dimensions “K”, “L”, and “M”. Wiring space “P” is available when disconnect is installed in the enclosure. The disconnect information and space occupied tables based on data supplied by disconnect manufacturer’s bulletins. Hammond Manufacturing not responsible for dimensional accuracy.

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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