

# 1447S Single Door Disconnect Enclosures - NEMA 12, 13

## Selection Guide

**Disconnect**
**Wallmount Enclosures**

Hammond Series		1447S
<b>ABB Controls</b>	<b>Disconnect Switch</b>	Flange operated switch (fusible or non-fusible) Shaft: 8-12" dp enclosures, use DSFHS-12; 16" dp enclosures, use DSFHS-17 Handle: DSFHN-HS12 Door Hardware: 2 pt. Latching, use KDH2R; 3 pt. Latching, use KDH3R and FH-3RL
	<b>Circuit Breaker</b>	Circuit breaker: ABB Operating Mechanism: see ABB chart Shaft: 8-12" dp enclosures, use K7FHD-S12; 16" dp enclosures, use K7FHD-S17 Handle: K7FHD-HS12 Door Hardware: 2 pt. Latching, use FH-DHK; 3 pt. Latching, use FH-DHK and FH-3RL
<b>Allen Bradley</b>	<b>1494V Flange Disconnect Switch</b>	Disconnect switch and operating mechanism: Bulletin 1494V Handle: Bulletin 1494V-H1 (except for Hammond part # 1447S46L12, use 1494V-H2) Connecting rod: 8-10" dp enclosures, use 1494V-RA1; 12-16" dp enclosures, use 1494V-RA2 (except for Hammond part # 1447S46L12, use 1494V-RB2 (2)) Trailer fuse block kit (if required): Bulletin 1494V Fuse kit (if required) Line and load connectors (if required) Door Hardware: 2 pt. Latching, use 1494V-L1; 3 pt. Latching, use 1494VL2
	<b>1494V Flange Circuit Breaker</b>	Circuit breaker: C-H Westinghouse Operating mechanism: Bulletin 1494V Handle: Bulletin 1494V-H1 Connecting rod: 8-10" dp enclosures, use 1494V-RA1; 12-16" dp enclosures, use 1494V-RA2 Door Hardware: 2 pt. Latching, use 1494V-L1; 3 pt. Latching, use 1494VL2
<b>Cutler Hammer</b>	<b>Type C361 Disconnect Switch</b>	Disconnect switch and operating mechanism Handle: C361-H1 or H3 Door Hardware: 2 pt. Latching, use C361KJ4 or KJ6; 3 pt. Latching, use C361KJ4 or KJ6, and C361KR
	<b>Type C371 Circuit Breaker</b>	Circuit breaker: C-H Westinghouse Operating mechanism Handle: 150 amp, use C371H1 or H3; 250-600 amp, use C371H5 or H7 Door Hardware: 2 pt. Latching, use C361KJ4 or KJ6; 3 pt. Latching, use C361KJ4 or KJ6, and C361KR
	<b>C-H Westinghouse Circuit Breaker w/FlexShaft</b>	Circuit breaker Complete Flex-Shaft handle mechanism Door Hardware: 2 pt. Latching, use C361KJ4 or KJ6; 3 pt. Latching, use C361KJ4 or KJ6, and C361KR
<b>General Electric</b>	<b>Type STDA Flange Disconnect Switch</b>	Disconnect switch Type QMR or QMW Handle: STDA1 or STDA2 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
	<b>Type STDA Flange Circuit Breaker</b>	Circuit breaker Handle: STDA1 or STDA2 Variable depth operating mechanism Door Hardware: 2 pt. Latching, use TDV-1; 3 pt. Latching, use TDV-1 and TDV-3
	<b>Circuit Breaker w/SpectraFlex</b>	Circuit breaker Flange Mt. Handle: 150-600 amp, use STDA1; SK1200, use STDA3 Breaker mounted mechanism. Operating cable Door Hardware: 2 pt. Latching, use TDV-1; 3 pt. Latching, use TDV-1 and TDV-3
<b>I-T-E Siemens</b>	<b>Max-Flex Flange Disconnect Switch</b>	Disconnect switch: MCS Fuse Kit (if required) Handle: Flange mount FHOHS Switch operator mechanism Operating cable (standard 36.0") Door Hardware: 2 pt. Latching, use DKR2; 3 pt. Latching, use DKR3
	<b>Max-Flex Flange Circuit Breaker</b>	Circuit breaker Pressure wire connectors Handle: Flange mount FHOH (except for Hammond part # 1447S46L12, use FHOHN) 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
<b>Square D</b>	<b>Class 9422 Disconnect Switch</b>	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
	<b>Class 9422 Circuit Breaker</b>	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
	<b>Class 9422 "T" Disconnect Switch w/ cable mechanism</b>	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
	<b>Circuit Breaker w/cable mechanism</b>	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

 Technical references and DXF downloads available at [www.hammondenclosuresales.com](http://www.hammondenclosuresales.com)

All dimensions in inches unless specified otherwise

**Quality Enclosures. Service Excellence.**

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

Disconnect

## ABB Controls

### ABB Controls Disconnect Switches (Flange Mounted Operators)

Fits Enclosure Depth				ABB Switch Number	Amp Rating	Fuse Clip	Fuse Class	Space Occupied		When K=4.75 P	When K=7.09 P	When K=11.62 P
8	10	12	16					L	M			
•	•	•	•	OETL-NF30-F	30A	No Fuse	—	4.45	3.78	6.41	8.75	13.28
•	•	•	•	OETL-NF60-F	60A	No Fuse	—	4.86	3.78	6.22	8.56	13.09
•	•	•	•	OETL-NF100-F	100A	No Fuse	—	4.86	4.78	5.66	8.00	12.53
	•	•	•	OETL-NF175-F	175A	No Fuse	—	7.30	6.49	—	5.75	10.28
	•	•	•	OETL-NF200-F	200A	No Fuse	—	7.36	7.28	—	5.75	10.28
•	•	•	•	OESA-F30J6-F	30A	30A-600V	J	4.28	6.58	4.73	7.07	11.61
•	•	•	•	OESA-F60J6-F	60A	60A-600V	J	4.28	6.26	4.73	7.07	11.61
•	•	•	•	OESA-F100J6-F	100A	100A-600V	J <sup>1</sup>	6.54	7.65	4.30	6.64	11.17
				200A <sup>2</sup>								

<sup>1</sup> J type fuse clips are standard. If 600 V Type "T" fuse clips are desired order T type fuse adaptor kit.

<sup>2</sup> 200 A available by using non-fusible 200A switch and a trailing fuse block. (consult ABB)

Wallmount Enclosures

### ABB Controls Circuit Breaker (Flange Mounted Operators)

Fits Enclosure Depth				ISOMAX Circuit Breaker	Amp Rating	Operating Mechanism	Space Frame Type	Space Occupied		When K=4.75 P	When K=7.09 P	When K=11.62 P
8	10	12	16					L	M			
•	•	•	•	S1N100TL	100A	K2FHD-M	S1	5.30	4.60	5.26	7.60	12.13
	•	•	•	S3N150TW	150A	K3FHD-M	S3	6.67	5.02		7.00	11.53
	•	•	•	S3N225TW	225A	K3FHD-M	S3	6.67	5.02		7.00	11.53
	•	•	•	S4N250BW	250A	K4FHD-M	S4	8.45	5.02		5.47	10.00
	•	•	•	S5N400TW	400A	K5FHD-M	S5	8.45	6.40		5.47	10.00
		•	•	S6N600TW	600A	K6FHD-M	S6	8.33	10.00			9.33
		•	•	S6N800TW	800A	K6FHD-M	S6	8.33	10.00			9.33

Charts reference Space Occupied by Disconnect Drawing.

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## Allen Bradley

### Allen Bradley 1494V Disconnect Switches

Fits Enclosure Depth				Allen Bradley Type Number	Amp Rating	Fuse Clip	Fuse Class	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16					L	M <sup>1</sup>	P	P	P
•	•	•	•	DS30	30A	No Fuse	—	3.88	6.62	2.88	5.25	9.75
•	•	•	•	DS30	30A	30A-250V	H,K,R	5.25	6.62	2.88	5.25	9.75
•	•	•	•	DS30	30A	30A-600V	H,K,R	8.00	6.62	2.88	5.25	9.75
•	•	•	•	DS30	30A	30A-600V	J	5.25	6.62	2.88	5.25	9.75
•	•	•	•	DS30	30A	60A-250V	H,K	6.00	6.62	2.88	5.25	9.75
•	•	•	•	DS30	30A	60A-600V	H,K	8.50	6.62	2.88	5.25	9.75
•	•	•	•	DS30	30A	60A-600V	J	5.38	6.62	2.88	5.25	9.75
•	•	•	•	DS60	60A	No Fuse	—	3.88	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	60A-250V	H,K,R	6.00	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	60A-600V	H,K,R	8.50	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	60A-600V	J	5.38	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	30A-600V	H,K,R	8.00	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	100A-250V	H,K	8.50	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	100A-600V	H,K	10.50	6.62	2.75	5.12	9.62
•	•	•	•	DS60	60A	100A-600V	J	7.25	6.62	2.75	5.12	9.62
•	•	•	•	DS100 <sup>2</sup>	100A	No Fuse	—	3.88	6.62	—	5.12	9.62
•	•	•	•	DS100 <sup>2</sup>	100A	100A-250V	H,K,R	8.12	6.62	—	5.12	9.62
•	•	•	•	DS100 <sup>2</sup>	100A	100A-600V	H,K,R	10.12	6.62	—	5.12	9.62
•	•	•	•	DS100 <sup>2</sup>	100A	100A-600V	J	6.88	6.62	—	5.12	9.62
•	•	•	•	DS100 <sup>2</sup>	100A	60A-600V	H,K,R	10.12	6.62	—	5.12	9.62
•	•	•	•	DS100 <sup>2</sup>	100A	60A-600V	J	8.88	6.62	—	5.12	9.62
•	•	•	•	DS200 <sup>2</sup>	200A	No Fuse	—	4.75	7.88	—	—	8.12
•	•	•	•	DS200 <sup>2</sup>	200A	200A-250V	H,K,R	10.88	7.88	—	—	8.12
•	•	•	•	DS200 <sup>2</sup>	200A	200A-600V	H,K,R	13.38	7.88	—	—	8.12
•	•	•	•	DS200 <sup>2</sup>	200A	200A-600V	J	9.50	7.88	—	—	8.12
•	•	•	•	DS200 <sup>2</sup>	200A	100A-600V	H,K,R	12.00	7.88	—	—	8.12
•	•	•	•	DS200 <sup>2</sup>	200A	100A-600V	J	8.75	7.88	—	—	8.12
•	•	•	•	DS400 <sup>3</sup>	400A	no fuse	—	10.75	10.88	—	—	—
•	•	•	•	DS400 <sup>3</sup>	400A	400A-250V	H,K,R	16.12	10.88	—	—	—
•	•	•	•	DS400 <sup>3</sup>	400A	400A-600V	H,K,R	19.12	10.88	—	—	—
•	•	•	•	DS400 <sup>3</sup>	400A	400A-600V	J	14.62	10.88	—	—	—
•	•	•	•	DS600 <sup>3,4</sup>	600A	no fuse	—	10.75	10.88	—	—	—
•	•	•	•	DS600 <sup>3,4</sup>	600A	600A-250V	H,R	10.75	10.88	—	—	—
•	•	•	•	DS600 <sup>3,4</sup>	600A	600A-600V	H,R	10.75	10.88	—	—	—
•	•	•	•	DS600 <sup>3,4</sup>	600A	600A-600V	J	17.59	10.88	—	—	—

<sup>1</sup>"M" dimension does not allow for auxiliary switches. <sup>2</sup>Series B

<sup>3</sup>The 400 amp disconnect switch and the 600 amp switch will only fit catalog number 1447S46L12. Wire bend space of 12.12 inches is provided above disconnect when installed.

<sup>4</sup>"L" and "M" do not include separately mounted fuse blocks

### Allen Bradley 1494V Circuit Breakers

Fits Enclosure Depth				Allen Bradley Type Number	Amp Rating	Fuse Clip	Fuse Class	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16					L	M <sup>1</sup>	P	P	P
•	•	•	•	M40	15A-150A	C-H Westinghouse Circuit Breakers EHD,FD,FDB,FDC,HFD,HMCP	—	5.00	4.50 <sup>1</sup>	4.25	6.62	11.12
•	•	•	•	M50	70A-250A	C-H Westinghouse Circuit Breakers JD,JDB,JDC,HJD,HMCP	—	9.75	4.75 <sup>1</sup>	—	—	10.62
•	•	•	•	M60	100A-400A	C-H Westinghouse Circuit Breakers KD,KDB,DK,HKD,HMCP	—	9.69	6.12 <sup>1</sup>	—	—	10.50

<sup>1</sup>"M" dimension does not allow for auxiliary switches. Charts reference Space Occupied by Disconnect Drawing.

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**Disconnect**

## Cutler Hammer

### Cutler Hammer C361 Disconnect Switches

Fits Enclosure Depth				Hammer Type Number	Amp Rating	Fuse Clip	Fuse Class	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16					L	M	P	P	P
•	•	•	•	<b>C361NC</b>	30A	No Fuse	—	5.75	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SC21</b>	30A	30A-250V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SC61</b>	30A	60A-250V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SC61</b>	30A	30A-600V	H, J, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361ND</b>	60A	No Fuse	—	5.75	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SD22</b>	60A	60A-250V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SD22</b>	60A	30A-600V	J	8.38	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SD62</b>	60A	60A-600V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	<b>C361SD62</b>	60A	60A-600V	J	8.38	7.43	3.44	5.75	10.31
1	•	•	•	<b>C361NE</b>	100A	No Fuse	—	5.56	8.95	3.00	5.38	9.91
1	•	•	•	<b>C361SE263</b>	100A	100A-250V	H, K, R	10.31	8.95	3.00	5.38	9.91
1	•	•	•	<b>C361SE263</b>	100A	100A-600V	H, K, R	10.31	8.95	3.00	5.38	9.91
1	•	•	•	<b>C361SE263</b>	100A	100A-600V	J	10.31	8.95	3.00	5.38	9.91
		2	2	<b>C361NF</b>	200A	No Fuse	—	13.06	10.00	—	—	7.94
		2	2	<b>C361SF264</b>	200A	200A-250V	H, K, R	13.06	10.00	—	—	7.94
		2	2	<b>C361SF264</b>	200A	200A-600V	H, J, K, R	13.06	10.00	—	—	7.94

\*Wire bend space "P" does not allow the use of maximum cable size in 8" deep enclosures.

\*200A switch should be installed in enclosures with an "A" dimension of 30" or greater.

**Wallmount Enclosures**

### Cutler Hammer C371 Circuit Breaker Operators (C-H Westinghouse Circuit Breakers)

Fits Enclosure Depth				Cutler Hammer Mechanism	Amp Rating	Frame Type	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16				L	M	P	P	P
•	•	•	•	<b>C371E</b>	205A	F Frame EHD,FDB,FD,HFD,FDC	6.00	5.50	4.44	6.81	11.44
•	•	•	•	<b>C371E</b>	150A	F Frame HMCP	6.00	5.50	4.44	6.81	11.44
	•	•	•	<b>C371F</b>	250A	J Frame JDB,JD,HJD,JDC	8.94	8.00	—	6.75	11.25
	•	•	•	<b>C371F</b>	250A	J Frame HMCP	10.94	8.00	—	6.75	11.25
		•	•	<b>C371F</b>	400A	K Frame DK,KDB,KD,HKD	9.75	8.00	—	—	10.75
		•	•	<b>C371F</b>	400A	K Frame HMCP	9.75	8.00	—	—	10.75
		•	•	<b>C371G</b>	600A	L Frame LD,HLD,LDC	8.44	11.88	—	—	9.18
		•	•	<b>C371G</b>	600A	L Frame HMCP	8.44	11.88	—	—	9.18

Charts reference Space Occupied by Disconnect Drawing.

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

Disconnect

Wallmount Enclosures

## Cutler Hammer

### Cutler Hammer Flex-Shaft™ Operator Mechanisms (C-H Westinghouse Circuit Breakers)

Fits Enclosure Depth				Complete Operator Mechanisms	Amp Rating	Frame Type	Breaker Height "X" (in inches)	Breaker Width "Y" (in inches)
8	10	12	16					
•	•	•	•	F1S03	150A	F Frame EHD, FDB, FD, HFD, FDC	6.00	4.12
•	•	•	•	F1S03	150A	F Frame HMCP	6.00	4.12
•	•	•	•	F2S03	250A	J Frame JDB, JD, HJD, JDC	10.00	4.12
•	•	•	•	F2S03	250A	J Frame HMCP	10.00	4.12
•	•	•	•	F3S03	400A	K FrameDK, KDB, KD, HKD	10.12	5.50
•	•	•	•	F3S03	400A	K Frame HMCP	12.45	5.50
•	•	•	•	F4S04	600A	L Frame LD, HLD, LDC	10.75	8.25
•	•	•	•	F7S04	800A	M Frame MD, MDS	16.00	8.25
•	•	•	•	F5S04	1200A	N Frame ND, HND, NDC	16.00	8.25
•	•	•	•	F6S04	2500A	R Frame RD, CRD, RDC	16.00	15.50

Part numbers for Complete Operator Mechanisms include flange mounted handle, flexible shaft and circuit breaker mechanism. The last digit of the part number denotes the shaft length (F1S03=3' length).

- F,J,K frame Flex-Shafts™ available in 3' to 10' lengths.
- L,N,R frame Flex-Shafts™ available in 4' to 6' lengths.

### Space Occupied By Disconnect

1. Flex-Shaft™ System permits circuit breaker locations separate from flange mounted handle mechanism.
2. See National Electrical Code 2005 article 430-10(b) for wiring space (Ref "P") needed for line side conductors.
3. Select shaft length based on location of circuit breaker in the enclosure. Maintain a 4" minimum bending radius for the Flex-Shaft™.
4. Space occupied by circuit breaker is calculated by:
  - Overall (Height "X" and Width "Y")
  - Minimum wire bend space (manufacturer specified)
  - Location "M" from right to left.

Charts reference Space Occupied by Disconnect Drawing.

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

**Disconnect**

## General Electric

### General Electric Type STDA Disconnect Switches

Fits Enclosure Depth				General Electric Mechanisms For Switches	Amp Rating	Fuse Clip	Fuse Class	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16					L	M	P	P	P
1	•	•	•	<b>TDOM1A</b>	30A	No Fuse	—	7.75 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1A</b>	30A	30A-250V	H, R	7.75 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	30A	30A-600V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	30A	60A-250V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	30A	60A-600V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1A</b>	60A	No Fuse	—	7.75 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	60A	60A-250V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	60A	60A-600V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	60A	100A-250V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	60A	100A-600V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1A</b>	100A	No Fuse	—	7.75 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	100A	100A-250V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	100A	100A-600V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	100A	200A-250V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
1	•	•	•	<b>TDOM1B</b>	100A	200A-600V	H, R	12.38 <sup>2</sup>	5.25	6.18	7.62	12.12
		•	•	<b>TDOM2</b>	200A	No Fuse	—	7.00	9.12	—	—	9.50
		•	•	<b>TDOM2</b>	200A	200A-250V	H, R	15.38	9.12	—	—	9.50
		•	•	<b>TDOM2</b>	200A	200A-600V	H, R	15.38	9.12	—	—	9.50

<sup>1</sup>Disconnect moved down 0.875" to fit on panel.

<sup>2</sup>Applies to 8" deep enclosures and is 0.875 less in 10", 12" and 16" deep enclosures.

**Wallmount Enclosures**

### General Electric Type STDA Circuit Breaker Operators

Fits Enclosure Depth				Cutler Hammer Mechanism	Amp Rating	Frame Type	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16				L	M	P	P	P
1	•	•	•	<b>SDOM1A</b>	150A	TEB, TED, THED	7.75 <sup>2</sup>	5.25	6.06	7.50	12.06
1	•	•	•	<b>SDOM1A</b>	150A	TEC	7.75 <sup>2</sup>	5.25	6.06	7.50	12.06
1	•	•	•	<b>TDOM1B</b>	150A	TB1	12.38 <sup>2</sup>	5.25	6.06	7.50	12.06
1	•	•	•	<b>TDOM1B</b>	150A	TEC, TECL	12.38 <sup>2</sup>	5.25	6.06	7.50	12.06
1	•	•	•	<b>TDOM1C</b>	150A	TEL	7.75 <sup>2</sup>	5.25	6.06	7.50	12.06
		•	•	<b>TDOM1D</b>	150A	THLC1	7.75	5.25	—	5.12	9.62
		•	•	<b>TDOM3</b>	225A	TFJ	10.38	5.75	—	6.06	10.62
		•	•	<b>TDOM3</b>	225A	TFK, THFK, TFL	10.38	5.75	—	6.06	10.62
		•	•	<b>TDOM4</b>	400A	TJJ, TJK4, THJK4, TJL4V	8.25	9.38	—	5.12	9.69
		•	•	<b>TDOM4</b>	600A	TJK6, THJK6, TJ4V, TJL4V	8.25	9.38	—	5.12	9.69
		•	•	<b>TDOM5</b>	400A	TB4, TJH6S	14.25	9.38	—	5.12	9.69
		•	•	<b>TDOM6</b>	225A	TLB2, THLC2	11.75	9.38	—	—	9.12
		•	•	<b>TDOM6</b>	400A	TLB4, THLC4	11.75	9.38	—	—	7.75
1	•	•	•	<b>SDOM1A</b>	150A	SPECTRA SE150	7.75 <sup>2</sup>	5.25	6.06	7.50	12.06
		•	•	<b>SDOM3</b>	250A	SPECTRA SF250	10.38	5.75	—	6.06	10.62
		•	•	<b>SDOM4</b>	600A	SPECTRA SG600	10.00	7.00	—	—	7.93

<sup>1</sup>Disconnect moved down 0.875" to fit on panel.

<sup>2</sup>Applies to 8" deep enclosures only. For 10", 12" and 16" deep enclosures, 0.875 less.

Charts reference Space Occupied by Disconnect Drawing.

# 1447S Single Door Disconnect Enclosures - NEMA 12, 13

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

**Disconnect**
**Wallmount Enclosures**

## General Electric

### General Electric Circuit Breakers (Spectra-Flex™ Cable Operators)

Fits Enclosure Depth			Frame Size	Max Amp Rating	Circuit Breaker Height "X"	Circuit Breaker Width "Y"
C=8	C=10	C=12 or 16				
•	•	•	E150	150A	6.31	4.12
•	•	•	SE150	150A	6.31	4.12
	•	•	SF250	250A	10.12	4.12
		•	SG600	600A	10.09	5.50
		•	SK1200	1200A	15.50	8.25

Frame Size	Breaker Mechanism	Flange Mounting Handle	Operating Cable
E150	SCOM1A	SCH1	SC3L <sup>1</sup>
SE150/SF250	SCOM1EF	SCH1	SC3L <sup>1</sup>
SG600	SCOM1G	SCH1	SC3L <sup>1</sup>
SK1200	SCOM1K	SCH2K	SC3H <sup>1</sup>

<sup>1</sup>Operating Cables are available 3' to 10' lengths. In the table above, the number "3" in the part number indicates a 3' cable.

1. GE Spectra-Flex™ Operating Cables permit circuit breaker locations separate from flange mounted handle mechanism.
2. See National Electrical Code 2005 article 430-10(b) for wiring space (Ref "P") needed for line side conductors.
3. Select shaft length based on location of circuit breaker in the enclosure. Maintain a 3" minimum bending radius for the Flex-Shaft™.
4. Space occupied by circuit breaker is calculated by:
  - Overall (Height "X" and Width "Y")
  - Minimum wire bend space (manufacturer specified)
  - Location "M" from right to left.

Charts reference Space Occupied by Disconnect Drawing.



# 1447S Single Door Disconnect Enclosures - NEMA 12, 13

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

**Disconnect**

## Siemens I-T-E

### I-T-E - Disconnect Switches (Max-Flex™ Operators)

C=8"	Fits Enclosure Depth		Switches	Amp Rating	Fuse Clip	Fuse Class	Disconnect Height "X"	Disconnect Width "Y"
	C=10"	C=12" or 16"						
•	•	•	MCS603R	30A	No Fuse	—	5.52	6.13
•	•	•	MCS603R	30A	30A-250V	H,K,R	8.11	6.13
•	•	•	MCS603R	30A	30A-600V	H,K,R	10.11	6.13
•	•	•	MCS603R	30A	30A-600V	J	8.48	6.13
•	•	•	MCS606R	60A	No Fuse	—	5.52	6.13
•	•	•	MCS606R	60A	60A-250V	H,K,R	7.86	6.13
•	•	•	MCS606R	60A	60A-600V	H,K,R	10.38	6.13
•	•	•	MCS606R	60A	60A-600V	J	8.36	6.13
•	•	•	MCS610R	100A	No Fuse	—	7.59	7.38
•	•	•	MCS610R	100A	100A-250V	H,K,R	11.85	7.38
•	•	•	MCS610R	100A	100A-600V	H,K,R	13.85	7.38
•	•	•	MCS610R	100A	100A-600V	J	10.60	7.38
•	•	•	MCS620R	200A	No Fuse	—	9.00	9.17
•	•	•	MCS620R	200A	200A-250V	H,K,R	14.70	9.17
•	•	•	MCS620R	200A	200A-600V	H,K,R	17.20	9.17
•	•	•	MCS620R	200A	200A-600V	J	13.32	9.17

### Siemens I-T-E Max-Flex™ Operators (Circuit Breakers)

Complete Operator Mechanism	Amp Rating	Breaker Frame Size	Circuit Breaker Height "X"	Circuit Breaker Width "Y"	Circuit Breaker Type
<b>FHOE036</b>	125A	ED	6.34	3.00	ED2, ED4, ED6, HED4, HED6
<b>FHOE036</b>	125A	CED	9.58	3.00	CED6
<b>FHOF036</b>	250A	FD	9.50	4.50	FXD6-A, FD6-A, HFD6, FXD6-ETJ, HHFD6, HHFXD6
<b>FHOF036</b>	250A	CFD	14.25	4.50	CFD6, CFD6-ETI
<b>FHOJ036</b>	400A, 600A	JD, LD	11.00	7.50	JXD2, LXD6, JXD6, JD6, LD6, HJD6, HLD6, HHJD6, HHL6, HHJXD6, HHLXD6, JXD6-ETI, LXD6-ETI
<b>FHOJ036</b>	400A, 600A	CJD, CLD	17.86	7.50	CJD6, CLD6, CJD6-ETI, CLD6-ETI
<b>FHOLM036</b>	800A	LMD	16.00	9.00	LMD6, LMXD6, HLMD6, HLMXD6, LMXD6-ET1
<b>FHONO48</b>	800A	MD	24.00	9.00	MD6, MXD6, HMD6, HMXD6, CMD6, MXD6-ETI, CMD6-ETI
<b>FHONO48</b>	1200A	ND	24.00	9.00	ND6, NXD6, HND6, HNXD6, CND6

Last three digits of operator mechanism part number denote cable length in inches.

- 48" cables are offered for ED,FD,JD/LD operators

#### Space Occupied By Disconnect

1. I-T-E Max-Flex™ System permits circuit breaker locations separate from flange mounted handle mechanism.
2. See National Electrical Code 2005 article 430-10(b) for wiring space (Ref "P") needed for line side conductors.
3. See Siemens I-T-E instructions for disconnect location limitations when using 36" or 48" Max-Flex™ cables.
4. Space occupied by circuit breaker is calculated by:
  - Overall (Height "X" and Width "Y")
  - Minimum wire bend space (manufacturer specified)
  - Location "M" from right to left.

Charts reference Space Occupied by Disconnect Drawing.

**Wallmount Enclosures**



# 1447S Single Door Disconnect Enclosures - NEMA 12, 13

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

**Disconnect**
**Wallmount Enclosures**

## Square D

### Square D Class 9422 Disconnect Switches

Fits Enclosure Depth				Square D Type Number	Amp Rating	Fuse Clip	Fuse Class	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16					L	M	P	P	P
•	•	•	•	TCN-30	30A	No Fuse	—	3.80	6.84	3.69	6.03	10.56
•	•	•	•	TCF-30	30A	30A-250V	H, K, R	5.53	6.84	3.69	6.03	10.56
•	•	•	•	TCF-33	30A	30A-600V	H, K, R	8.15	6.84	3.69	6.03	10.56
•	•	•	•	TCF-33	30A	60A-250V	H, K, R	6.15	6.84	3.69	6.03	10.56
•	•	•	•	TCF-33	30A	30A-600V	J	5.53	6.84	3.69	6.03	10.56
•	•	•	•	TDN-60	60A	No Fuse	—	3.80	6.84	3.69	6.03	10.56
•	•	•	•	TDF-60	60A	30A-600V	H, K, R	8.15	6.84	3.69	6.03	10.56
•	•	•	•	TDF-60	60A	60A-250V	H, K, R	6.15	6.84	3.69	6.03	10.56
•	•	•	•	TDF-63	60A	60A-600V	H, K, R	8.65	6.84	3.69	6.03	10.56
•	•	•	•	TDF-63	60A	60A-600V	J	5.53	6.84	3.69	6.03	10.56
•	•	•	•	TEN-10	100A	No Fuse	—	3.80	6.84	—	5.91	10.44
•	•	•	•	TEF-10	100A	100A-250V	H, K, R	8.25	6.84	—	5.91	10.44
•	•	•	•	TEF-10	100A	100A-600V	H, K, R	10.25	6.84	—	5.91	10.44
•	•	•	•	TEF-10	100A	100A-600V	J	7.05	6.84	—	5.91	10.44
•	•	•	•	TC-1	30A	No Fuse	—	5.75	6.00	3.12	5.12	9.62
•	•	•	•	TC-2	30A	30A-250V	H, K, R	5.75	6.00	3.12	5.12	9.62
•	•	•	•	TC-3	30A	30A-600V	H, K, R	7.75	6.00	3.12	5.12	9.62
•	•	•	•	TC-3	30A	60A-250V	H, K, R	5.88	6.00	3.12	5.12	9.62
•	•	•	•	TC-3	30A	30A-600V	J	5.75	6.00	3.12	5.12	9.62
•	•	•	•	TD-1	60A	No Fuse	—	6.38	6.62	3.62	6.00	10.50
•	•	•	•	TD-2	60A	30A-600V	H, K, R	8.50	6.62	3.62	6.00	10.50
•	•	•	•	TD-2	60A	60A-250V	H, K, R	6.50	6.62	3.62	6.00	10.50
•	•	•	•	TD-3	60A	60A-600V	H, K, R	9.00	6.62	3.62	6.00	10.50
•	•	•	•	TD-3	60A	60A-600V	J	6.38	6.62	3.62	6.00	10.50
•	•	•	•	TE-1	100A	No Fuse	—	4.75	8.38	—	5.75	10.25
•	•	•	•	TE-2	100A	100A-250V	H, K, R	7.50	8.38	—	5.75	10.25
•	•	•	•	TE-2	100A	100A-600V	H, K, R	9.50	8.38	—	5.75	10.25
•	•	•	•	TE-2	100A	100A-600V	J	6.25	8.38	—	5.75	10.25
•	•	•	•	TE-3	100A	200A-600V	J	13.75	8.38	—	5.75	10.25
•	•	•	•	TF-1	200A	No Fuse	—	5.50	11.62	—	—	8.88
•	•	•	•	TF-2	200A	200A-250V	H, K, R	11.50	11.62	—	—	8.88
•	•	•	•	TF-2	200A	200A-600V	H, K, R	14.00	11.62	—	—	8.88
•	•	•	•	TF-2	200A	200A-600V	J	10.12	11.62	—	—	8.88
•	•	•	•	TF-3	200A	400A-600V	J	14.50	11.62	—	—	8.88

### Square D Class 9422 Variable Depth Operators (Circuit Breakers)

Fits Enclosure Depth				Square D Type Number	Amp Rating	Frame Type	Space Occupied		When K=4.75	When K=7.09	When K=11.62
8	10	12	16				L	M	P	P	P
•	•	•	•	RG-1	75A	GJL	3.53	3.74	3.59	5.93	10.47
•	•	•	•	RG-1	100A	GJL	3.53	3.74	3.59	5.93	10.47
•	•	•	•	RN-1	100A	FAL, FHL	5.12	5.25	3.75	6.12	10.62
•	•	•	•	RP-1	250A	KAL, KHL	7.12	5.62	4.25 <sup>1</sup>	6.88	11.38
•	•	•	•	RR-1	400A	LAL, LHL, Q4L	7.62	8.75	—	—	7.00

<sup>1</sup> Not recommended except with #1 or smaller line conductors.

Charts reference Space Occupied by Disconnect Drawing.

# 1447S Single Door Disconnect Enclosures - NEMA 12, 13

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

**Disconnect**

## Square D

### Square D Class 9422 Disconnect Switches (Cable Mechanism 9422-CFT30 and 9422A-1 Handle Mechanism)

C=8"	Fits Enclosure Depth		Square D Type Number	Amp Rating	Fuse Clip	Fuse Class	Disconnect Height "X"	Disconnect Width "Y"
	C=10"	C=12" or 16"						
•	•	•	TCN-30	30A	No Fuse	—	5.90	6.20
•	•	•	TCF-30	30A	30A-250V	H, K, R	7.50	6.20
•	•	•	TCF-33	30A	30A-600V	H, K, R	10.15	6.20
•	•	•	TCF-33	30A	60A-250V	H, K, R	8.15	6.20
•	•	•	TCF-33	30A	30A-600V	J	7.50	6.20
•	•	•	TDN-60	60A	No Fuse	—	5.90	6.20
•	•	•	TDF-60	60A	30A-600V	H, K, R	10.15	6.20
•	•	•	TDF-60	60A	60A-250V	H, K, R	8.15	6.20
•	•	•	TDF-63	60A	60A-600V	H, K, R	10.65	6.20
•	•	•	TDF-63	60A	60A-600V	J	7.5	6.20
•	•	•	TEN-10	100A	No Fuse	—	5.90	6.20
•	•	•	TEF-10	100A	100A-250V	H, K, R	10.35	6.20
•	•	•	TEF-10	100A	100A-600V	H, K, R	12.35	6.20
•	•	•	TEF-10	100A	100A-600V	J	10.35	6.20

### Square D Class 9422 Cable Mechanism (Circuit Breakers)

C=8"	Fits Enclosure Depth		Cable Type Switch	Amp Rating	Frame Type	Circuit Breaker Height "X"	Circuit Breaker Width "Y"
	C=10"	C=12" or 16"					
•	•	•	9422 CGJ30	75A	GJL	4.75	3.50
•	•	•	9422 CEJ30	100A	GJL	4.75	3.50
•	•	•	9422 CFA30	100A	FAL, FHL	6.00	4.50
•	•	•	9422 CKA30	250A	KAL, KHL	8.00	4.50
•	•	•	9422 CLA30	400A	LAL, LHL, Q4L	11.00	6.00

Use cable mechanism with circuit breaker and 9422-A1 handle mechanism

Cable operators are offered in 3', 5', and 10' lengths. Last 2 digits of part numbers above (30) are for 3' cables

### Space Occupied By Disconnect Switch

1. Square D Cable System permits circuit breaker locations separate from flange mounted handle mechanism.
2. See National Electrical Code 2005 article 430-10(b) for wiring space (Ref "P") needed for line side conductors.
3. Select cable mechanism length based on disconnect location in enclosure. See Square D instructions for minimum cable bend radius.
4. Space occupied by circuit breaker is calculated by:
  - Overall (Height "X" and Width "Y")
  - Minimum wire bend space (manufacturer specified)

Charts reference Space Occupied by Disconnect Drawing.

**Wallmount Enclosures**

