

1447S Single Door Disconnect Enclosures - NEMA 12, 13

Selection Guide

Disconnect
Wallmount Enclosures

Hammond Series		1447S
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 Door Hardware: 2 pt. Latching, use KDH2R; 3 pt. Latching, use KDH3R and FH-3RL
	Circuit Breaker	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
Allen Bradley	1494V Flange Disconnect Switch	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
	1494V Flange Circuit Breaker	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
Cutler Hammer	Type C361 Disconnect Switch	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
	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 Door Hardware: 2 pt. Latching, use C361KJ4 or KJ6; 3 pt. Latching, use C361KJ4 or KJ6, and C361KR
	C-H Westinghouse Circuit Breaker w/FlexShaft	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
General Electric	Type STDA Flange Disconnect Switch	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
	Type STDA Flange Circuit Breaker	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
	Circuit Breaker w/SpectraFlex	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
I-T-E Siemens	Max-Flex Flange Disconnect Switch	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
	Max-Flex Flange Circuit Breaker	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
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

 Technical references and DXF downloads available at www.hamfmg.com

All dimensions in inches unless specified otherwise

Quality Enclosures. Service Excellence.

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

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 ¹	6.54	7.65	4.30	6.64	11.17
				200A ²								

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

² 200 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.

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

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 ¹	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 ²	100A	No Fuse	—	3.88	6.62	—	5.12	9.62
•	•	•	•	DS100 ²	100A	100A-250V	H,K,R	8.12	6.62	—	5.12	9.62
•	•	•	•	DS100 ²	100A	100A-600V	H,K,R	10.12	6.62	—	5.12	9.62
•	•	•	•	DS100 ²	100A	100A-600V	J	6.88	6.62	—	5.12	9.62
•	•	•	•	DS100 ²	100A	60A-600V	H,K,R	10.12	6.62	—	5.12	9.62
•	•	•	•	DS100 ²	100A	60A-600V	J	8.88	6.62	—	5.12	9.62
•	•	•	•	DS200 ²	200A	No Fuse	—	4.75	7.88	—	—	8.12
•	•	•	•	DS200 ²	200A	200A-250V	H,K,R	10.88	7.88	—	—	8.12
•	•	•	•	DS200 ²	200A	200A-600V	H,K,R	13.38	7.88	—	—	8.12
•	•	•	•	DS200 ²	200A	200A-600V	J	9.50	7.88	—	—	8.12
•	•	•	•	DS200 ²	200A	100A-600V	H,K,R	12.00	7.88	—	—	8.12
•	•	•	•	DS200 ²	200A	100A-600V	J	8.75	7.88	—	—	8.12
•	•	•	•	DS400 ³	400A	no fuse	—	10.75	10.88	—	—	—
•	•	•	•	DS400 ³	400A	400A-250V	H,K,R	16.12	10.88	—	—	—
•	•	•	•	DS400 ³	400A	400A-600V	H,K,R	19.12	10.88	—	—	—
•	•	•	•	DS400 ³	400A	400A-600V	J	14.62	10.88	—	—	—
•	•	•	•	DS600 ^{3,4}	600A	no fuse	—	10.75	10.88	—	—	—
•	•	•	•	DS600 ^{3,4}	600A	600A-250V	H,R	10.75	10.88	—	—	—
•	•	•	•	DS600 ^{3,4}	600A	600A-600V	H,R	10.75	10.88	—	—	—
•	•	•	•	DS600 ^{3,4}	600A	600A-600V	J	17.59	10.88	—	—	—

¹"M" dimension does not allow for auxiliary switches. ²Series B

³The 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.

⁴"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 ¹	P	P	P
•	•	•	•	M40	15A-150A	C-H Westinghouse Circuit Breakers EHD,FD,FDB,FDC,HFD,HMCP	—	5.00	4.50 ¹	4.25	6.62	11.12
•	•	•	•	M50	70A-250A	C-H Westinghouse Circuit Breakers JD,JDB,JDC,HJD,HMCP	—	9.75	4.75 ¹	—	—	10.62
•	•	•	•	M60	100A-400A	C-H Westinghouse Circuit Breakers KD,KDB,DK,HKD,HMCP	—	9.69	6.12 ¹	—	—	10.50

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

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All dimensions in inches unless specified otherwise

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

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
•	•	•	•	C361NC	30A	No Fuse	—	5.75	7.43	3.44	5.75	10.31
•	•	•	•	C361SC21	30A	30A-250V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	C361SC61	30A	60A-250V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	C361SC61	30A	30A-600V	H, J, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	C361ND	60A	No Fuse	—	5.75	7.43	3.44	5.75	10.31
•	•	•	•	C361SD22	60A	60A-250V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	C361SD22	60A	30A-600V	J	8.38	7.43	3.44	5.75	10.31
•	•	•	•	C361SD62	60A	60A-600V	H, K, R	8.38	7.43	3.44	5.75	10.31
•	•	•	•	C361SD62	60A	60A-600V	J	8.38	7.43	3.44	5.75	10.31
1	•	•	•	C361NE	100A	No Fuse	—	5.56	8.95	3.00	5.38	9.91
1	•	•	•	C361SE263	100A	100A-250V	H, K, R	10.31	8.95	3.00	5.38	9.91
1	•	•	•	C361SE263	100A	100A-600V	H, K, R	10.31	8.95	3.00	5.38	9.91
1	•	•	•	C361SE263	100A	100A-600V	J	10.31	8.95	3.00	5.38	9.91
		2	2	C361NF	200A	No Fuse	—	13.06	10.00	—	—	7.94
		2	2	C361SF264	200A	200A-250V	H, K, R	13.06	10.00	—	—	7.94
		2	2	C361SF264	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
•	•	•	•	C371E	205A	F Frame EHD,FDB,FD,HFD,FDC	6.00	5.50	4.44	6.81	11.44
•	•	•	•	C371E	150A	F Frame HMCP	6.00	5.50	4.44	6.81	11.44
	•	•	•	C371F	250A	J Frame JDB,JD,HJD,JDC	8.94	8.00	—	6.75	11.25
	•	•	•	C371F	250A	J Frame HMCP	10.94	8.00	—	6.75	11.25
		•	•	C371F	400A	K Frame DK,KDB,KD,HKD	9.75	8.00	—	—	10.75
		•	•	C371F	400A	K Frame HMCP	9.75	8.00	—	—	10.75
		•	•	C371G	600A	L Frame LD,HLD,LDC	8.44	11.88	—	—	9.18
		•	•	C371G	600A	L Frame HMCP	8.44	11.88	—	—	9.18

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

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.

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

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	•	•	•	TDOM1A	30A	No Fuse	—	7.75 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1A	30A	30A-250V	H, R	7.75 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	30A	30A-600V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	30A	60A-250V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	30A	60A-600V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1A	60A	No Fuse	—	7.75 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	60A	60A-250V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	60A	60A-600V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	60A	100A-250V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	60A	100A-600V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1A	100A	No Fuse	—	7.75 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	100A	100A-250V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	100A	100A-600V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	100A	200A-250V	H, R	12.38 ²	5.25	6.18	7.62	12.12
1	•	•	•	TDOM1B	100A	200A-600V	H, R	12.38 ²	5.25	6.18	7.62	12.12
		•	•	TDOM2	200A	No Fuse	—	7.00	9.12	—	—	9.50
		•	•	TDOM2	200A	200A-250V	H, R	15.38	9.12	—	—	9.50
		•	•	TDOM2	200A	200A-600V	H, R	15.38	9.12	—	—	9.50

¹Disconnect moved down 0.875" to fit on panel.

²Applies 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	•	•	•	SDOM1A	150A	TEB, TED, THED	7.75 ²	5.25	6.06	7.50	12.06
1	•	•	•	SDOM1A	150A	TEC	7.75 ²	5.25	6.06	7.50	12.06
1	•	•	•	TDOM1B	150A	TB1	12.38 ²	5.25	6.06	7.50	12.06
1	•	•	•	TDOM1B	150A	TEC, TECL	12.38 ²	5.25	6.06	7.50	12.06
1	•	•	•	TDOM1C	150A	TEL	7.75 ²	5.25	6.06	7.50	12.06
		•	•	TDOM1D	150A	THLC1	7.75	5.25	—	5.12	9.62
		•	•	TDOM3	225A	TFJ	10.38	5.75	—	6.06	10.62
		•	•	TDOM3	225A	TFK, THFK, TFL	10.38	5.75	—	6.06	10.62
		•	•	TDOM4	400A	TJJ, TJK4, THJK4, TJL4V	8.25	9.38	—	5.12	9.69
		•	•	TDOM4	600A	TJK6, THJK6, TJ4V, TJL4V	8.25	9.38	—	5.12	9.69
		•	•	TDOM5	400A	TB4, TJH6S	14.25	9.38	—	5.12	9.69
		•	•	TDOM6	225A	TLB2, THLC2	11.75	9.38	—	—	9.12
		•	•	TDOM6	400A	TLB4, THLC4	11.75	9.38	—	—	7.75
1	•	•	•	SDOM1A	150A	SPECTRA SE150	7.75 ²	5.25	6.06	7.50	12.06
		•	•	SDOM3	250A	SPECTRA SF250	10.38	5.75	—	6.06	10.62
		•	•	SDOM4	600A	SPECTRA SG600	10.00	7.00	—	—	7.93

¹Disconnect moved down 0.875" to fit on panel.

²Applies 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 ¹
SE150/SF250	SCOM1EF	SCH1	SC3L ¹
SG600	SCOM1G	SCH1	SC3L ¹
SK1200	SCOM1K	SCH2K	SC3H ¹

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

- GE Spectra-Flex™ Operating Cables permit circuit breaker locations separate from flange mounted handle mechanism.
- See National Electrical Code 2005 article 430-10(b) for wiring space (Ref "P") needed for line side conductors.
- Select shaft length based on location of circuit breaker in the enclosure. Maintain a 3" minimum bending radius for the Flex-Shaft™.
- 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
FHOE036	125A	ED	6.34	3.00	ED2, ED4, ED6, HED4, HED6
FHOE036	125A	CED	9.58	3.00	CED6
FHOF036	250A	FD	9.50	4.50	FXD6-A, FD6-A, HFD6, FXD6-ETJ, HHFD6, HHFXD6
FHOF036	250A	CFD	14.25	4.50	CFD6, CFD6-ETI
FHOJ036	400A, 600A	JD, LD	11.00	7.50	JXD2, LXD6, JXD6, JD6, LD6, HJD6, HLD6, HHJD6, HHL6, HHJXD6, HHLXD6, JXD6-ETI, LXD6-ETI
FHOJ036	400A, 600A	CJD, CLD	17.86	7.50	CJD6, CLD6, CJD6-ETI, CLD6-ETI
FHOLM036	800A	LMD	16.00	9.00	LMD6, LMXD6, HLMD6, HLMXD6, LMXD6-ET1
FHONO48	800A	MD	24.00	9.00	MD6, MXD6, HMD6, HMXD6, CMD6, MXD6-ETI, CMD6-ETI
FHONO48	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 ¹	6.88	11.38
•	•	•	•	RR-1	400A	LAL, LHL, Q4L	7.62	8.75	—	—	7.00

¹ 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

