

SELECTION CHARTS



GROUP A

GROUP B

KVA	Primary 460V Delta Secondary 230Y/133 CATALOG NO.	Primary 460V Delta Secondary 460Y/266 CATALOG NO.	APPROX. DIMENSIONS ③ Inches (Cm.)			APPROX. SHIP WEIGHT Lbs. (Kg.)	TYPE MTG. W - Wall F - Floor	WEATHER SHIELD P/N	DIM. DRAWING
			HEIGHT	WIDTH	DEPTH				
7.5	DTGA-7-2S or TS ④ (37)	DTGB-7-2S or TS ④ (34)	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	180 (81.6)	W	NA	F
11.0	DTGA-011-2S or TS ④ (37)	DTGB-011-2S or TS ④ (34)	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	265 (120.0)	F	NA	I
14.0	DTGA-014-2S or TS ④ (37)	DTGB-014-2S or TS ④ (34)	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	270 (123.0)	F	NA	I
20.0	DTGA-020-2S or TS ④ (37)	DTGB-020-2S or TS ④ (34)	20.77 (52.8)	20.94 (53.2)	10.18 (25.9)	435 (197.0)	F	NA	I
27.0	DTGA-027-4S (38)	DTGB-027-4S (35)	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	320 (145.0)	F ②	WS-A-1	E
34.0	DTGA-034-4S	DTGB-034-4S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	340 (154.0)	F ②	WS-A-1	E
40.0	DTGA-040-4S	DTGB-040-4S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	395 (179.0)	F ②	WS-A-1	E
51.0	DTGA-051-4S	DTGB-051-4S	29.90 (75.9)	28.15 (71.5)	22.37 (56.8)	400 (181.0)	F ②	WS-A-2	E
63.0	DTGA-063-4S	DTGB-063-4S	29.90 (75.9)	28.15 (71.5)	22.37 (56.8)	550 (250.0)	F ②	WS-A-2	E
75.0	DTGA-075-4S	DTGB-075-4S	29.90 (75.9)	28.15 (71.5)	22.37 (56.8)	570 (259.0)	F ②	WS-A-2	E
93.0	DTGA-093-4S	DTGB-093-4S	35.90 (91.2)	31.90 (81.0)	26.88 (68.3)	685 (311.0)	F	WS-A-3	E
118.0	DTGA-0118-4S	DTGB-0118-4S	35.90 (91.2)	31.90 (81.0)	26.88 (68.3)	765 (347.0)	F	WS-A-3	E
145.0	DTGA-0145-4S	DTGB-0145-4S	41.52 (105.5)	32.90 (83.6)	29.88 (75.9)	990 (449.0)	F	WS-A-4	E
175.0	DTGA-0175-4S	DTGB-0175-4S	41.52 (105.5)	32.90 (83.6)	29.88 (75.9)	1100 (499.0)	F	WS-A-4	E
220.0	DTGA-0220-4S	DTGB-0220-4S	41.52 (105.5)	32.90 (83.6)	29.88 (75.9)	1120 (508.0)	F	WS-A-4	E
275.0	DTGA-00275-4S	DTGB-00275-4S	45.60 (115.8)	39.50 (100.3)	35.50 (90.2)	2090 (948.0)	F	WS-A-5	E
330.0	DTGA-0330-4S ↓	DTGB-0330-4S ↓	45.60 (115.8)	39.50 (100.3)	35.50 (90.2)	2090 (948.0)	F	WS-A-5	G
440.0	DTGA-440-4S (39)	DTGB-440-4S (36)	62.00 (157.5)	54.00 (137.2)	42.00 (106.7)	2625 (1191.0)	F	WS-B-3	G
550.0	DTGA-550-4S ↓	DTGB-550-4S ↓	64.00 (162.6)	60.00 (152.4)	42.00 (106.7)	3000 (1361.0)	F	WS-B-4	G
660.0	DTGA-660-4S ↓	DTGB-660-4S ↓	64.00 (162.6)	64.00 (162.6)	42.00 (106.7)	3700 (1678.0)	F	WS-B-5	G
770.0		DTGB-770-4S (35)	62.84 (159.61)	54.00 (137.2)	41.50 (105.4)	3600 (1633.0)	F	WS-A-6	G
880.0		DTGB-0880-4S ↓	62.84 (159.61)	54.00 (137.2)	41.50 (105.4)	3816 (1730.9)	F	WS-A-6	G

GROUP C

GROUP D

KVA	Primary 575V Delta Secondary 230Y/133 CATALOG NO.	Primary 575V Delta Secondary 460Y/266 CATALOG NO.	APPROX. DIMENSIONS ③ Inches (Cm.)			APPROX. SHIP WEIGHT Lbs. (Kg.)	TYPE MTG. W - Wall F - Floor	WEATHER SHIELD P/N	DIM. DRAWING
			HEIGHT	WIDTH	DEPTH				
7.5	DTHA-7-2S or TS ④ (40)	DTHB-7-2S or TS ④ (43)	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	180 (81.6)	W	NA	F
11.0	DTHA-011-2S or TS ④ (40)	DTHB-011-2S or TS ④ (43)	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	265 (120.0)	F	NA	I
14.0	DTHA-014-2S or TS ④ (40)	DTHB-014-2S or TS ④ (43)	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	270 (123.0)	F	NA	I
20.0	DTHA-020-2S or TS ④ (40)	DTHB-020-2S or TS ④ (43)	20.77 (52.8)	20.94 (53.2)	10.18 (25.9)	435 (197.0)	F	NA	I
27.0	DTHA-027-4S (41)	DTHB-027-4S (44)	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	320 (145.0)	F ②	WS-A-1	E
34.0	DTHA-034-4S	DTHB-034-4S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	340 (154.0)	F ②	WS-A-1	E
40.0	DTHA-040-4S	DTHB-040-4S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	395 (179.0)	F ②	WS-A-1	E
51.0	DTHA-051-4S	DTHB-051-4S	29.90 (75.9)	28.15 (71.5)	22.37 (56.8)	400 (181.0)	F ②	WS-A-2	E
63.0	DTHA-063-4S	DTHB-063-4S	29.90 (75.9)	28.15 (71.5)	22.37 (56.8)	550 (250.0)	F ②	WS-A-2	E
75.0	DTHA-075-4S	DTHB-075-4S	29.90 (75.9)	28.15 (71.5)	22.37 (56.8)	570 (259.0)	F ②	WS-A-2	E
93.0	DTHA-093-4S	DTHB-093-4S	35.90 (91.2)	31.90 (81.0)	26.88 (68.3)	685 (311.0)	F	WS-A-3	E
118.0	DTHA-0118-4S	DTHB-0118-4S	35.90 (91.2)	31.90 (81.0)	26.88 (68.3)	765 (347.0)	F	WS-A-3	E
145.0	DTHA-0145-4S	DTHB-0145-4S	41.52 (105.5)	32.90 (83.6)	29.88 (75.9)	990 (449.0)	F	WS-A-4	E
175.0	DTHA-0175-4S	DTHB-0175-4S	41.52 (105.5)	32.90 (83.6)	29.88 (75.9)	1100 (499.0)	F	WS-A-4	E
220.0	DTHA-0220-4S	DTHB-0220-4S	41.52 (105.5)	32.90 (83.6)	29.88 (75.9)	1120 (508.0)	F	WS-A-4	E
275.0	DTHA-00275-4S	DTHB-00275-4S	45.60 (115.8)	39.50 (100.3)	35.50 (90.2)	2090 (948.0)	F	WS-A-5	E
330.0	DTHA-0330-4S ↓	DTHB-0330-4S ↓	45.60 (115.8)	39.50 (100.3)	35.50 (90.2)	2090 (948.0)	F	WS-A-5	G
440.0	DTHA-440-4S (42)	DTHB-440-4S (45)	62.00 (157.5)	54.00 (137.2)	42.00 (106.7)	2625 (1191.0)	F	WS-B-3	G
550.0	DTHA-550-4S ↓	DTHB-550-4S ↓	64.00 (162.6)	60.00 (152.4)	42.00 (106.7)	3000 (1361.0)	F	WS-B-4	G
660.0	DTHA-660-4S ↓	DTHB-660-4S ↓	64.00 (162.6)	64.00 (162.6)	42.00 (106.7)	3700 (1678.0)	F	WS-B-5	G

① Optional wall mounting kits – part # PL 79911 refer to Page 157.

② Optional wall mounting kits – part # PL 79912 refer to Page 157.

③ Dimensions may change and are not to be used for detailed construction purposes. Please contact the factory for certified dimensional drawings.

④ For factory added thermal protection, 7.5 thru 20.0 KVA change suffix '-2S' to '-TS'.

The number in ()'s following the catalog number is the electrical wiring diagram number beginning on page 146.

30 PRIMARY: 600 Volts Delta
SECONDARY: 208Y/120 Volts
TAPS: 2, 2½% ANFC, 4, 2½% BNFC

Primary Volts	Connect Primary Lines To	Inter-Connect	Connect Secondary Lines To
630	H1, H2, H3	1 to 2	
615	H1, H2, H3	2 to 3	
600	H1, H2, H3	1 to 4	
585	H1, H2, H3	3 to 4	
570	H1, H2, H3	1 to 6	
555	H1, H2, H3	3 to 6	
540	H1, H2, H3	5 to 6	

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
208	X1, X2, X3
120	X1 to X0 X2 to X0 X3 to X0

1 phase

31 PRIMARY: 480 Volts Delta
SECONDARY: 480Y/277 Volts
TAPS: 2, 2½% ANFC, 4, 2½% BNFC

Primary Volts	Connect Primary Lines To	Inter-Connect	Connect Secondary Lines To
504	H1, H2, H3	1	
492	H1, H2, H3	2	
480	H1, H2, H3	3	
468	H1, H2, H3	4	
456	H1, H2, H3	5	
444	H1, H2, H3	6	
432	H1, H2, H3	7	

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
480	X1, X2, X3
277	X1 to X0 X2 to X0 X3 to X0

1 phase

32 PRIMARY: 480 Volts Delta
SECONDARY: 480Y/277 Volts
TAPS: 2, 2½% ANFC, 4, 2½% BNFC

Primary Volts	Connect Primary Lines To	Inter-Connect	Connect Secondary Lines To
504	H1, H2, H3	1 to 2	
492	H1, H2, H3	2 to 3	
480	H1, H2, H3	1 to 4	
468	H1, H2, H3	3 to 4	
456	H1, H2, H3	1 to 6	
444	H1, H2, H3	3 to 6	
432	H1, H2, H3	5 to 6	

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
480	X1, X2, X3
277	X1 to X0 X2 to X0 X3 to X0

1 phase

33 PRIMARY: 380 Volts Delta
SECONDARY: 208/120 Volts
TAPS: 2-2½% ANFC and BNFC

Primary Volts	Connect Primary Lines To	Inter-Connect	Connect Secondary Lines To
399	H1, H2, H3	1	
390	H1, H2, H3	2	
380	H1, H2, H3	3	
371	H1, H2, H3	4	
361	H1, H2, H3	5	

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
208	X1, X2, X3
120	X1 to X0 X2 to X0 X3 to X0

1 phase

34 PRIMARY: 460 Volts Delta
SECONDARY: 460Y/266 Volts
TAPS: 1-5% ANFC and BNFC

Primary Volts	%	Connect Leads to Tap No.
483	105	1
460	100	2
437	95	3

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
460	X1, X2, X3
266	X1 & X0 X2 & X0 X3 & X0

1 phase

35 PRIMARY: 460 Volts Delta
SECONDARY: 460Y/266 Volts
TAPS: 2-2½% ANFC and BNFC

Primary Volts	%	Connect Leads to Tap No.
483	105	1
472	102.5	2
460	100	3
449	97.5	4
437	95	5

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
460	X1, X2, X3
266	X1 & X0 X2 & X0 X3 & X0

1 phase

36 PRIMARY: 460 Volts Delta
SECONDARY: 460Y/266 Volts
TAPS: 2-2½% ANFC and BNFC

Primary Volts	%	Connect Leads to Tap No.
483	105	1 to 2
472	102.5	2 to 3
460	100	1 to 4
449	97.5	3 to 4
437	95	4 to 5

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
460	X1, X2, X3
266	X1 & X0 X2 & X0 X3 & X0

1 phase

37 PRIMARY: 460 Volts Delta
SECONDARY: 230Y/133 Volts
TAPS: 1-5% ANFC and BNFC

Primary Volts	%	Connect Leads to Tap No.
483	105	1
460	100	2
437	95	3

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
230	X1, X2, X3
133	X1 & X0 X2 & X0 X3 & X0

1 phase

38 PRIMARY: 460 Volts Delta
SECONDARY: 230Y/133 Volts
TAPS: 2-2½% ANFC and BNFC

Primary Volts	%	Connect Leads to Tap No.
483	105	1
472	102.5	2
460	100	3
449	97.5	4
437	95	5

Secondary Volts

Secondary Volts	Connect Leads to Tap No.
230	X1, X2, X3
133	X1 & X0 X2 & X0 X3 & X0

1 phase