

How to use the Selection Chart

1. From the top row of the "Selection Chart" locate the high and low voltage combination that is closest to the one you require.
2. Move down that column to the kVA or Ampere rating equal to or greater than the rating required by the load.
3. From the far left column, obtain the transformer catalog number.
4. For dimensional information refer to the specifications table (Group C) on page 88.
5. The corresponding connection diagram is indicated at the bottom of the Voltage / kVA column. See page 90 for the connection diagrams.

Single Phase - Group C Selection Chart

Catalog Number	Low Voltage High Voltage	200 220	208 229	220 242	230 276	240 264	380 418	416 458	430 473	435 457	436 480	440 462	440 484	450 473	456 479	460 483	480 504
QC05DTCB	HV Amps	2.08	2.08	2.08	1.04	2.08	1.04	1.04	1.04	2.08	1.04	2.08	1.04	2.08	2.08	2.08	2.08
	KVA	0.46	0.48	0.50	0.29	0.55	0.44	0.48	0.49	0.95	0.50	0.96	0.50	0.98	1.00	1.01	1.05
	LV Amps	2.29	2.29	2.29	1.25	2.29	1.15	1.15	1.15	2.19	1.15	2.19	1.15	2.19	2.19	2.19	2.19
QC10DTCB	HV Amps	4.17	4.17	4.17	2.08	4.17	2.08	2.08	2.08	4.17	2.08	4.17	2.08	4.17	4.17	4.17	4.17
	KVA	0.92	0.95	1.01	0.58	1.10	0.87	0.95	0.99	1.90	1.00	1.93	1.01	1.97	2.00	2.01	2.10
	LV Amps	4.58	4.58	4.58	2.50	4.58	2.29	2.29	2.29	4.38	2.29	4.38	2.29	4.38	4.38	4.38	4.38
QC15DTCB	HV Amps	6.25	6.25	6.25	3.13	6.25	3.13	3.13	3.13	6.25	3.13	6.25	3.13	6.25	6.25	6.25	6.25
	KVA	1.38	1.43	1.51	0.86	1.65	1.31	1.43	1.48	2.85	1.50	2.89	1.51	2.95	2.99	3.02	3.15
	LV Amps	6.88	6.88	6.88	3.75	6.88	3.44	3.44	3.44	6.56	3.44	6.56	3.44	6.56	6.56	6.56	6.56
QC20DTCB	HV Amps	8.33	8.33	8.33	4.17	8.33	4.17	4.17	4.17	8.33	4.17	8.33	4.17	8.33	8.33	8.33	8.33
	KVA	1.83	1.91	2.02	1.15	2.20	1.74	1.91	1.97	3.81	2.00	3.85	2.02	3.94	3.99	4.03	4.20
	LV Amps	9.17	9.17	9.17	5.00	9.17	4.58	4.58	4.58	8.75	4.58	8.75	4.58	8.75	8.75	8.75	8.75
QC25DTCB	HV Amps	10.4	10.4	10.4	5.21	10.4	5.21	5.21	5.21	10.4	5.21	10.4	5.21	10.4	10.4	10.4	10.4
	KVA	2.29	2.38	2.52	1.44	2.75	2.18	2.38	2.46	4.76	2.50	4.81	2.52	4.92	4.99	5.03	5.25
	LV Amps	11.5	11.5	11.5	6.3	11.5	5.73	5.73	5.73	10.9	5.73	10.9	5.73	10.9	10.9	10.9	10.9
QC35DTCB	HV Amps	14.6	14.6	14.6	7.3	14.6	7.3	7.3	7.3	14.6	7.3	14.6	7.3	14.6	14.6	14.6	14.6
	KVA	3.21	3.34	3.53	2.01	3.85	3.05	3.34	3.45	6.61	3.50	6.74	3.53	6.89	6.98	7.0	7.4
	LV Amps	16.0	16.0	16.0	8.8	16.0	8.0	8.0	8.0	15.3	8.0	15.3	8.0	15.3	15.3	15.3	15.3
QC50DTCB	HV Amps	20.8	20.8	20.8	10.4	20.8	10.4	10.4	10.4	20.8	10.4	20.8	10.4	20.8	20.8	20.8	20.8
	KVA	4.58	4.77	5.04	2.88	5.5	4.35	4.77	4.93	9.52	5.00	9.63	5.04	9.84	9.98	10.1	10.5
	LV Amps	22.9	22.9	22.9	12.5	22.9	11.5	11.5	11.5	21.9	11.5	21.9	11.5	21.9	21.9	21.9	21.9
QC75DTCB	HV Amps	31.3	31.3	31.3	15.6	31.3	15.6	15.6	15.6	31.3	15.6	31.3	15.6	31.3	31.3	31.3	31.3
	KVA	6.88	7.15	7.56	4.31	8.25	6.53	7.15	7.39	14.3	7.49	14.4	7.56	14.8	15.0	15.1	15.8
	LV Amps	34.4	34.4	34.4	18.8	34.4	17.2	17.2	17.2	32.8	17.2	32.8	17.2	32.8	32.8	32.8	32.8
Q1C0DTCB	HV Amps	41.7	41.7	41.7	20.8	41.7	20.8	20.8	20.8	41.7	20.8	41.7	20.8	41.7	41.7	41.7	41.7
	KVA	9.17	9.53	10.1	5.75	11	8.71	9.53	9.85	19.0	9.99	19.3	10.1	19.7	20.0	20.1	21.0
	LV Amps	45.8	45.8	45.8	25.0	45.8	22.9	22.9	22.9	43.8	22.9	43.8	22.9	43.8	43.8	43.8	43.8
Q1C5DTCF	HV Amps	62.5	62.5	62.5	31.3	62.5	31.3	31.3	31.3	62.5	31.3	62.5	31.3	62.5	62.5	62.5	62.5
	KVA	13.8	14.3	15.1	8.6	16.5	13.1	14.3	14.8	28.5	15.0	28.9	15.1	29.5	29.9	30.2	31.5
	LV Amps	68.8	68.8	68.8	37.5	68.8	34.4	34.4	34.4	65.6	34.4	65.6	34.4	65.6	65.6	65.6	65.6
Q002DTCF	HV Amps	83.3	83.3	83.3	41.7	83.3	41.7	41.7	41.7	83.3	41.7	83.3	41.7	83.3	83.3	83.3	83.3
	KVA	18.3	19.1	20.2	11.5	22.0	17.4	19.1	19.7	38.1	20.0	38.5	20.2	39.4	39.9	40.3	42.0
	LV Amps	91.7	91.7	91.7	50.0	91.7	45.8	45.8	45.8	87.5	45.8	87.5	45.8	87.5	87.5	87.5	87.5
Q003DTCF	HV Amps	125	125	125	62.5	125	62.5	62.5	62.5	125	62.5	125	62.5	125	125	125	125
	KVA	27.5	28.6	30.3	17.3	33	26.1	28.6	29.6	57.1	30.0	57.8	30.3	59.1	59.9	60.4	63.0
	LV Amps	138	138	138	75	138	68.8	68.8	68.8	131	68.8	131	68.8	131	131	131	131
Q005DTCF	HV Amps	208	208	208	104	208	104	104	104	208	104	208	104	208	208	208	208
	KVA	45.8	47.7	50.4	28.8	55.0	43.5	47.7	49.3	95.2	50.0	96.3	50.4	98.4	99.8	101	105
	LV Amps	229	229	229	125	229	115	115	115	219	115	219	115	219	219	219	219
CONNECTION DIAGRAM		1	1	1	2	1	4	4	4	3	4	3	4	3	3	3	3

How to use the Selection Chart

1. From the top row of the "Selection Chart" locate the high and low voltage combination that is closest to the one you require.
2. Determine the quantity you required.
3. The corresponding connection diagram is indicated at the top of the Voltage / kVA column. See page 91-92 for the connection diagrams.
4. Move down that column to the kVA or Ampere rating equal to or greater than the rating required by the load.
5. From the far left column, obtain the transformer catalog number.
6. For dimensional information refer to the specifications table (Group C) on page 89.

Three Phase - Group C Selection Chart

Catalog Number	Low Voltage	173	200	208	362	380	400	419	436	457	480	480	346	379	400	416
	High Voltage	208	240	250	380	418	440	440	480	480	528	504	416	456	480	499
		240	288	300	456	504	528	528	600	600	660	600	480	528	576	600
QUANTITY REQUIRED		2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
CONNECTION DIAGRAM (Refer to Page 91-92)		5	5	5	6	7	7	8	7	8	7	8	9	9	9	9
Three Phase Connection Style		Delta Connected											Wye Connected			
QC05DTCB	HV Amps	1.04	1.04	1.04	2.08	1.04	1.04	2.08	1.04	2.08	1.04	2.08	1.04	1.04	1.04	1.04
	KVA	0.38	0.44	0.46	1.44	0.76	0.80	1.67	0.87	1.82	0.96	1.82	0.75	0.82	0.87	0.90
QC10DTCB	HV Amps	1.25	1.25	1.25	2.29	1.15	1.15	2.29	1.15	2.29	1.15	2.19	1.25	1.25	1.25	1.15
	KVA	0.75	0.87	0.91	2.88	1.51	1.59	3.33	1.74	3.63	1.91	3.64	1.50	1.64	1.73	1.80
QC15DTCB	HV Amps	2.50	2.50	2.50	4.58	2.29	2.29	4.58	2.29	4.58	2.29	4.38	2.50	2.50	2.50	2.50
	KVA	2.50	2.50	2.50	4.58	2.29	2.29	4.58	2.29	4.58	2.29	4.38	2.50	2.50	2.50	2.50
QC20DTCB	HV Amps	3.13	3.13	3.13	6.25	3.13	3.13	6.25	3.13	6.25	3.13	6.25	3.13	3.13	3.13	3.13
	KVA	1.13	1.30	1.36	4.32	2.27	2.39	4.99	2.60	5.45	2.86	5.46	2.25	2.47	2.60	2.70
QC25DTCB	HV Amps	3.75	3.75	3.75	6.88	3.44	3.44	6.88	3.44	6.88	3.44	6.56	3.75	3.75	3.75	3.75
	KVA	1.13	1.30	1.36	4.32	2.27	2.39	4.99	2.60	5.45	2.86	5.46	2.25	2.47	2.60	2.70
QC30DTCB	HV Amps	4.17	4.17	4.17	8.33	4.17	4.17	8.33	4.17	8.33	4.17	8.33	4.17	4.17	4.17	4.17
	KVA	1.50	1.74	1.81	5.75	3.02	3.18	6.66	3.47	7.26	3.82	7.28	3.00	3.29	3.46	3.60
QC35DTCB	HV Amps	5.00	5.00	5.00	9.17	4.58	4.58	9.17	4.58	9.17	4.58	8.75	5.00	5.00	5.00	5.00
	KVA	1.50	1.74	1.81	5.75	3.02	3.18	6.66	3.47	7.26	3.82	7.28	3.00	3.29	3.46	3.60
QC40DTCB	HV Amps	5.21	5.21	5.21	10.4	5.21	5.21	10.40	5.21	10.40	5.21	10.40	5.21	5.21	5.21	5.21
	KVA	1.88	2.17	2.26	7.19	3.78	3.97	8.32	4.33	9.07	4.77	9.10	3.75	4.11	4.33	4.50
QC45DTCB	HV Amps	6.25	6.25	6.25	11.50	5.73	5.73	11.50	5.73	11.50	5.73	10.90	6.25	6.25	6.25	6.25
	KVA	1.88	2.17	2.26	7.19	3.78	3.97	8.32	4.33	9.07	4.77	9.10	3.75	4.11	4.33	4.50
QC50DTCB	HV Amps	7.29	7.29	7.29	14.6	7.29	7.3	14.6	7.3	14.6	7.29	14.6	7.29	7.29	7.29	7.29
	KVA	2.63	3.04	3.16	10.1	5.28	5.56	11.70	6.06	12.70	6.67	12.70	5.25	5.75	6.06	6.30
QC55DTCB	HV Amps	8.75	8.75	8.75	16.0	8.0	8.0	16.0	8.0	16.0	8.02	15.3	8.75	8.75	8.75	8.75
	KVA	2.63	3.04	3.16	10.1	5.28	5.56	11.70	6.06	12.70	6.67	12.70	5.25	5.75	6.06	6.30
QC60DTCB	HV Amps	10.4	10.4	10.4	20.8	10.4	10.4	20.8	10.4	20.8	10.4	20.8	10.4	10.4	10.4	10.4
	KVA	3.75	4.34	4.51	14.4	7.55	7.94	16.60	8.66	18.10	9.53	18.20	7.50	8.22	8.66	9.00
QC65DTCB	HV Amps	12.5	12.5	12.5	22.9	11.5	11.5	22.9	11.5	22.9	11.5	21.9	12.5	12.5	12.5	12.5
	KVA	3.75	4.34	4.51	14.4	7.55	7.94	16.60	8.66	18.10	9.53	18.20	7.50	8.22	8.66	9.00
QC70DTCB	HV Amps	15.6	15.6	15.6	31.3	15.6	15.6	31.3	15.6	31.3	15.6	31.3	15.6	15.6	15.6	15.6
	KVA	5.62	6.50	6.76	21.6	11.3	11.9	25.0	13.0	27.2	14.3	27.3	11.3	12.3	13.0	13.5
QC75DTCB	HV Amps	18.8	18.8	18.8	34.4	17.2	17.2	34.4	17.2	34.4	17.2	32.8	18.8	18.8	18.8	18.8
	KVA	5.62	6.50	6.76	21.6	11.3	11.9	25.0	13.0	27.2	14.3	27.3	11.3	12.3	13.0	13.5
Q1C0DTCB	HV Amps	20.8	20.8	20.8	41.7	20.8	20.8	41.7	20.8	41.7	20.8	41.7	20.8	20.8	20.8	20.8
	KVA	7.50	8.67	9.01	28.7	15.1	15.9	33.3	17.3	36.3	19.1	36.4	15.0	16.4	17.3	18.0
Q1C5DTCF	HV Amps	25.0	25.0	25.0	45.8	22.9	22.9	45.8	22.9	45.8	22.9	43.8	25.0	25.0	25.0	25.0
	KVA	7.50	8.67	9.01	28.7	15.1	15.9	33.3	17.3	36.3	19.1	36.4	15.0	16.4	17.3	18.0
Q1C5DTCF	HV Amps	31.3	31.3	31.3	62.5	31.3	31.3	62.5	31.3	62.5	31.3	62.5	31.3	31.3	31.3	31.3
	KVA	11.2	13.0	13.5	43.1	22.6	23.8	49.9	26.0	54.4	28.6	54.6	22.5	24.7	26.0	27.0
Q002DTCF	HV Amps	37.5	37.5	37.5	68.8	34.4	34.4	68.8	34.4	68.8	34.4	65.6	37.5	37.5	37.5	37.5
	KVA	11.2	13.0	13.5	43.1	22.6	23.8	49.9	26.0	54.4	28.6	54.6	22.5	24.7	26.0	27.0
Q003DTCF	HV Amps	41.7	41.7	41.7	83.3	41.7	41.7	83.3	41.7	83.3	41.7	83.3	41.7	41.7	41.7	41.7
	KVA	15.0	17.3	18.0	57.5	30.2	31.8	66.5	34.6	72.6	38.1	72.8	30.0	32.9	34.6	36.0
Q005DTCF	HV Amps	50.0	50.0	50.0	91.7	45.8	45.8	91.7	45.8	91.7	45.8	87.5	50.0	50.0	50.0	50.0
	KVA	15.0	17.3	18.0	57.5	30.2	31.8	66.5	34.6	72.6	38.1	72.8	30.0	32.9	34.6	36.0
Q005DTCF	HV Amps	62.5	62.5	62.5	125	62.5	62.5	125.0	62.5	125.0	62.5	125.0	62.5	62.5	62.5	62.5
	KVA	22.5	26.0	27.0	86.2	45.3	47.6	99.8	51.9	109.0	57.2	109.0	45.0	49.3	51.9	54.0
Q005DTCF	HV Amps	75.0	75.0	75.0	138	68.8	68.8	138.0	68.8	138.0	68.8	131.0	75.0	75.0	75.0	75.0
	KVA	22.5	26.0	27.0	86.2	45.3	47.6	99.8	51.9	109.0	57.2	109.0	45.0	49.3	51.9	54.0
Q005DTCF	HV Amps	104	104	104	208	104	104	208	104	208	104	208	104	104	104	104
	KVA	37.5	43.3	45.0	144.0	75.4	79.4	166.0	86.5	181.0	95.3	182.0	75.0	82.2	86.6	90.0
Q005DTCF	HV Amps	125	125	125	229	115	115	229	115	229	115	219	125	125	125	125
	KVA	37.5	43.3	45.0	144.0	75.4	79.4	166.0	86.5	181.0	95.3	182.0	75.0	82.2	86.6	90.0



Single Phase Specification Tables

Group A

Primary Voltage: 120 X 240

Secondary Voltage: 12 X 24

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ERCB	NQ0	3.75	5.25	7.25	6	W
100	QC10ERCB	NQ0	3.75	5.25	7.25	7	W
150	QC15ERCB	NQ0	3.75	5.25	7.25	8	W
200	QC20ERCB	NQ1	4.50	5.75	7.25	11	W
250	QC25ERCB	NQ1	4.50	5.75	7.25	13	W
350	QC35ERCB	NQ1	4.50	5.75	7.25	14	W
500	QC50ERCB	NQ2	5.00	4.75	9.25	15	W
750	QC75ERCB	NQ2	5.00	4.75	9.25	18	W
1000	Q1C0ERCB	NQ3	5.88	5.50	10.50	25	W
1500	Q1C5ERCF	NQ4	7.00	6.50	11.75	36	W
2000	Q002ERCF	NQ4	7.00	6.50	11.75	46	W
3000	Q003ERCF	NQ5	10.00	7.75	17.25	65	W
5000	Q005ERCF	NQ5	10.00	7.75	17.25	105	W

Group B

Primary Voltage: 120 X 240

Secondary Voltage: 16 X 32

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ESCB	NQ0	3.75	5.25	7.25	6	W
100	QC10ESCB	NQ0	3.75	5.25	7.25	7	W
150	QC15ESCB	NQ0	3.75	5.25	7.25	8	W
200	QC20ESCB	NQ1	4.50	5.75	7.25	11	W
250	QC25ESCB	NQ1	4.50	5.75	7.25	13	W
350	QC35ESCB	NQ1	4.50	5.75	7.25	14	W
500	QC50ESCB	NQ2	5.00	4.75	9.25	15	W
750	QC75ESCB	NQ2	5.00	4.75	9.25	18	W
1000	Q1C0ESCB	NQ3	5.88	5.50	10.50	25	W
1500	Q1C5ESCF	NQ4	7.00	6.50	11.75	36	W
2000	Q002ESCF	NQ4	7.00	6.50	11.75	46	W
3000	Q003ESCF	NQ5	10.00	7.75	17.25	65	W
5000	Q005ESCF	NQ5	10.00	7.75	17.25	105	W

Group C

Primary Voltage: 240 X 480

Secondary Voltage: 24 X 48

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05DTCB	NQ0	3.75	5.25	7.25	6	W
100	QC10DTCB	NQ0	3.75	5.25	7.25	7	W
150	QC15DTCB	NQ0	3.75	5.25	7.25	8	W
200	QC20DTCB	NQ1	4.50	5.75	7.25	11	W
250	QC25DTCB	NQ1	4.50	5.75	7.25	13	W
350	QC35DTCB	NQ1	4.50	5.75	7.25	14	W
500	QC50DTCB	NQ2	5.00	4.75	9.25	15	W
750	QC75DTCB	NQ2	5.00	4.75	9.25	18	W
1000	Q1C0DTCB	NQ3	5.88	5.50	10.50	25	W
1500	Q1C5DTCF	NQ4	7.00	6.50	11.75	36	W
2000	Q002DTCF	NQ4	7.00	6.50	11.75	46	W
3000	Q003DTCF	NQ5	10.00	7.75	17.25	65	W
5000	Q005DTCF	NQ5	10.00	7.75	17.25	105	W





Three Phase Specification Tables

Group A

Primary Voltage: 120 X 240

Secondary Voltage: 12 X 24

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ERCB	NQ0	3.75	5.25	7.25	6	W
100	QC10ERCB	NQ0	3.75	5.25	7.25	7	W
150	QC15ERCB	NQ0	3.75	5.25	7.25	8	W
200	QC20ERCB	NQ1	4.50	5.75	7.25	11	W
250	QC25ERCB	NQ1	4.50	5.75	7.25	13	W
350	QC35ERCB	NQ1	4.50	5.75	7.25	14	W
500	QC50ERCB	NQ2	5.00	4.75	9.25	15	W
750	QC75ERCB	NQ2	5.00	4.75	9.25	18	W
1000	Q1C0ERCB	NQ3	5.88	5.50	10.50	25	W
1500	Q1C5ERCF	NQ4	7.00	6.50	11.75	36	W
2000	Q002ERCF	NQ4	7.00	6.50	11.75	46	W
3000	Q003ERCF	NQ5	10.00	7.75	17.25	65	W
5000	Q005ERCF	NQ5	10.00	7.75	17.25	105	W

Group B

Primary Voltage: 120 X 240

Secondary Voltage: 16 X 32

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ESCB	NQ0	3.75	5.25	7.25	6	W
100	QC10ESCB	NQ0	3.75	5.25	7.25	7	W
150	QC15ESCB	NQ0	3.75	5.25	7.25	8	W
200	QC20ESCB	NQ1	4.50	5.75	7.25	11	W
250	QC25ESCB	NQ1	4.50	5.75	7.25	13	W
350	QC35ESCB	NQ1	4.50	5.75	7.25	14	W
500	QC50ESCB	NQ2	5.00	4.75	9.25	15	W
750	QC75ESCB	NQ2	5.00	4.75	9.25	18	W
1000	Q1C0ESCB	NQ3	5.88	5.50	10.50	25	W
1500	Q1C5ESCF	NQ4	7.00	6.50	11.75	36	W
2000	Q002ESCF	NQ4	7.00	6.50	11.75	46	W
3000	Q003ESCF	NQ5	10.00	7.75	17.25	65	W
5000	Q005ESCF	NQ5	10.00	7.75	17.25	105	W

Group C

Primary Voltage: 240 X 480

Secondary Voltage: 24 X 48

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05DTCB	NQ0	3.75	5.25	7.25	6	W
100	QC10DTCB	NQ0	3.75	5.25	7.25	7	W
150	QC15DTCB	NQ0	3.75	5.25	7.25	8	W
200	QC20DTCB	NQ1	4.50	5.75	7.25	11	W
250	QC25DTCB	NQ1	4.50	5.75	7.25	13	W
350	QC35DTCB	NQ1	4.50	5.75	7.25	14	W
500	QC50DTCB	NQ2	5.00	4.75	9.25	15	W
750	QC75DTCB	NQ2	5.00	4.75	9.25	18	W
1000	Q1C0DTCB	NQ3	5.88	5.50	10.50	25	W
1500	Q1C5DTCF	NQ4	7.00	6.50	11.75	36	W
2000	Q002DTCF	NQ4	7.00	6.50	11.75	46	W
3000	Q003DTCF	NQ5	10.00	7.75	17.25	65	W
5000	Q005DTCF	NQ5	10.00	7.75	17.25	105	W



SINGLE PHASE LOW VOLTAGE TRANSFORMER APPLICATIONS

For a cost effective approach to supply low voltage for recreational, lighting, light duty industrial and pool and spa applications or for a general purpose load including actuating relays, bells, control and low voltage circuits, these type 3R style encapsulated transformers are specifically designed for the following applications;

- General purpose applications used to adjust a supply voltage to match load equipment.
- Supplying machine tool circuits.
- Actuating relays, bells, signal and alarm systems.
- Operating small motors, valves and dampers.
- Industrial lighting and circuit isolation.
- Pool and spa (must be ordered in a type 4X stainless steel enclosure. Only available up to 1000VA as 60 Hz unit.)

HPS single phase encapsulated control transformers, with ratings from 50VA up to 5000VA in three voltage ratings, feature the newest technology and manufacturing processes.



LOW VOLTAGE LIGHTING TRANSFORMER STANDARD SPECIFICATIONS

	15 to 333 kVA	15 to 1500 kVA
UL Listed	File: E50394	File: E50394
CSA Certified	File: LR3902	File: LR3902
Frequency	50/60 Hz	50/60 Hz
Insulation System	130°C (80°C rise)	180°C (115°C rise)
Standard Design	Single phase, core construction made with high quality, high permeability silicon steel laminations. Computer designed coils are accurately wound from high quality copper magnetic wire.	Single phase, core construction made with high quality, high permeability silicon steel laminations. Computer designed coils are accurately wound from high quality copper magnetic wire.
Encapsulation	All units from 50VA to 5kVA are encapsulated with electrical grade silica sand and resin compounds.	All units from 50VA to 5kVA are encapsulated with electrical grade silica sand and resin compounds.
Enclosure Type	Heavy duty encapsulated type 3R optional type 4, 4X (stainless) & 12 available	Heavy duty encapsulated type 3R optional type 4, 4X (stainless) & 12 available
Termination	ANSI 61 Grey, UL50	ANSI 61 Grey, UL50
Conduit Knock-Outs	Side and rear standard on all units (no knock-outs on Stainless Steel enclosures).	Side and rear standard on all units (no knock-outs on Stainless Steel enclosures).
Mounting	Standard wall mounting.	Standard wall mounting.

SECTION 6



Single Phase Specification Tables



Group A

Primary Voltage: 120/ 240

Secondary Voltage: 12/24

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall	Wiring Diagram (Page 281)
			Width	Depth	Height			
50	QC05ERCB	NQ0	3.75	5.25	7.25	6	W	SCD 1
100	QC10ERCB	NQ0	3.75	5.25	7.25	7	W	SCD 1
150	QC15ERCB	NQ0	3.75	5.25	7.25	8	W	SCD 1
200	QC20ERCB	NQ1	4.50	5.75	7.25	11	W	SCD 1
250	QC25ERCB	NQ1	4.50	5.75	7.25	13	W	SCD 1
350	QC35ERCB	NQ1	4.50	5.75	7.25	14	W	SCD 1
500	QC50ERCB	NQ2	5.00	4.75	9.25	15	W	SCD 1
750	QC75ERCB	NQ2	5.00	4.75	9.25	18	W	SCD 1
1000	Q1C0ERCB	NQ3	5.88	5.50	10.50	25	W	SCD 1
1500	Q1C5ERCF	NQ4	7.00	6.50	11.75	36	W	SCD 1
2000	Q002ERCF	NQ4	7.00	6.50	11.75	46	W	SCD 1
3000	Q003ERCF	NQ5	10.00	7.75	17.25	65	W	SCD 1
5000	Q005ERCF	NQ5	10.00	7.75	17.25	105	W	SCD 1

Group B

Primary Voltage: 120/240

Secondary Voltage: 16/32

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall	Wiring Diagram (Page 281)
			Width	Depth	Height			
50	QC05ESCB	NQ0	3.75	5.25	7.25	6	W	SCD 1
100	QC10ESCB	NQ0	3.75	5.25	7.25	7	W	SCD 1
150	QC15ESCB	NQ0	3.75	5.25	7.25	8	W	SCD 1
200	QC20ESCB	NQ1	4.50	5.75	7.25	11	W	SCD 1
250	QC25ESCB	NQ1	4.50	5.75	7.25	13	W	SCD 1
350	QC35ESCB	NQ1	4.50	5.75	7.25	14	W	SCD 1
500	QC50ESCB	NQ2	5.00	4.75	9.25	15	W	SCD 1
750	QC75ESCB	NQ2	5.00	4.75	9.25	18	W	SCD 1
1000	Q1C0ESCB	NQ3	5.88	5.50	10.50	25	W	SCD 1
1500	Q1C5ESCF	NQ4	7.00	6.50	11.75	36	W	SCD 1
2000	Q002ESCF	NQ4	7.00	6.50	11.75	46	W	SCD 1
3000	Q003ESCF	NQ5	10.00	7.75	17.25	65	W	SCD 1
5000	Q005ESCF	NQ5	10.00	7.75	17.25	105	W	SCD 1

Group C

Primary Voltage: 240/480

Secondary Voltage: 24/48

50/60 Hertz

VA	Catalog Number	Case Style (Page 266)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall	Wiring Diagram (Page 281)
			Width	Depth	Height			
50	QC05DTCB	NQ0	3.75	5.25	7.25	6	W	SCD 1
100	QC10DTCB	NQ0	3.75	5.25	7.25	7	W	SCD 1
150	QC15DTCB	NQ0	3.75	5.25	7.25	8	W	SCD 1
200	QC20DTCB	NQ1	4.50	5.75	7.25	11	W	SCD 1
250	QC25DTCB	NQ1	4.50	5.75	7.25	13	W	SCD 1
350	QC35DTCB	NQ1	4.50	5.75	7.25	14	W	SCD 1
500	QC50DTCB	NQ2	5.00	4.75	9.25	15	W	SCD 1
750	QC75DTCB	NQ2	5.00	4.75	9.25	18	W	SCD 1
1000	Q1C0DTCB	NQ3	5.88	5.50	10.50	25	W	SCD 1
1500	Q1C5DTCF	NQ4	7.00	6.50	11.75	36	W	SCD 1
2000	Q002DTCF	NQ4	7.00	6.50	11.75	46	W	SCD 1
3000	Q003DTCF	NQ5	10.00	7.75	17.25	65	W	SCD 1
5000	Q005DTCF	NQ5	10.00	7.75	17.25	105	W	SCD 1

