

## 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 B) 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 B Selection Chart

Catalog Number	Low Voltage High Voltage	95	101	106	110	110	115	115	120	120	203	208	220	220	230	240	240
		120	115	120	125	139	130	146	136	152	230	236	235	249	261	256	272
QC05ESCB	HV Amps	1.56	3.13	3.13	3.13	1.56	3.13	1.56	3.13	1.56	1.56	1.56	3.13	1.56	1.56	3.13	1.56
	KVA	.188	.359	.375	.390	.218	.407	.228	.425	.238	.359	.368	.733	.390	.407	.800	.425
	LV Amps	1.98	3.54	3.54	3.54	1.98	3.54	1.98	3.54	1.98	1.77	1.77	3.33	1.77	1.77	3.33	1.77
QC10ESCB	HV Amps	3.12	6.25	6.25	6.25	3.12	6.25	3.12	6.25	3.12	3.12	3.12	6.25	3.12	3.12	6.25	3.12
	KVA	.376	.718	.751	.779	.435	.815	.455	.850	.475	.719	.737	1.47	.779	.815	1.60	.850
	LV Amps	3.96	7.08	7.08	7.08	3.96	7.08	3.96	7.08	3.96	3.54	3.54	6.67	3.54	3.54	6.67	3.54
QC15ESCB	HV Amps	4.69	9.38	9.38	9.38	4.69	9.38	4.69	9.38	4.69	4.69	4.69	9.38	4.69	4.69	9.38	4.69
	KVA	.564	1.07	1.13	1.17	.653	1.22	.683	1.28	.713	1.08	1.10	2.20	1.17	1.22	2.40	1.28
	LV Amps	5.94	10.6	10.6	10.6	5.94	10.6	5.94	10.6	5.94	5.31	5.31	10.0	5.31	5.31	10.0	5.31
QC20ESCB	HV Amps	6.25	12.5	12.5	12.5	6.25	12.5	6.25	12.5	6.25	6.25	6.25	12.5	6.25	6.25	12.5	6.25
	KVA	.752	1.43	1.50	1.56	0.871	1.63	0.91	1.70	.950	1.44	1.47	2.93	1.56	1.63	3.20	1.70
	LV Amps	7.92	14.2	14.2	14.2	7.92	14.2	7.92	14.2	7.92	7.08	7.08	13.3	7.08	7.08	13.3	7.08
QC25ESCB	HV Amps	7.81	15.6	15.6	15.6	7.81	15.6	7.81	15.6	7.81	7.81	7.81	15.6	7.81	7.81	15.6	7.81
	KVA	0.94	1.80	1.87	1.95	1.09	2.04	1.14	2.12	1.19	1.80	1.84	3.67	1.95	2.04	4.00	2.12
	LV Amps	9.90	17.7	17.7	17.7	9.87	17.7	9.90	17.7	9.90	8.85	8.85	16.7	8.85	8.85	16.7	8.85
QC35ESCB	HV Amps	10.9	21.9	21.9	21.9	10.9	21.9	10.9	21.9	10.9	10.9	10.9	21.9	10.9	10.9	21.9	10.9
	KVA	1.31	2.51	2.63	2.73	1.52	2.85	1.59	2.98	1.66	2.51	2.58	5.13	2.73	2.85	5.60	2.98
	LV Amps	13.9	24.8	24.8	24.8	13.9	24.8	13.9	24.8	13.9	12.4	12.4	23.3	12.4	12.4	23.3	12.4
QC50ESCB	HV Amps	15.6	31.2	31.2	31.2	15.6	31.2	15.6	31.2	15.6	15.6	15.6	31.2	15.6	15.6	31.2	15.6
	KVA	1.88	3.59	3.75	3.90	2.18	4.07	2.28	4.25	2.37	3.59	3.68	7.33	3.90	4.07	8.00	4.25
	LV Amps	19.8	35.4	35.4	35.4	19.8	35.4	19.8	35.4	19.8	17.7	17.7	33.3	17.7	17.7	33.3	17.7
QC75ESCB	HV Amps	23.4	46.8	46.8	46.9	23.4	46.9	23.4	46.9	23.4	23.4	23.4	46.9	23.4	23.4	46.9	23.4
	KVA	2.82	5.39	5.63	5.84	3.27	6.10	3.41	6.37	3.56	5.39	5.53	11.0	5.84	6.11	12.0	6.37
	LV Amps	29.7	53.1	53.1	53.1	29.7	53.1	29.7	53.1	29.7	26.6	26.6	50.0	26.6	26.6	50.0	26.6
Q1C0ESCB	HV Amps	31.2	62.5	62.5	62.5	31.2	62.5	31.2	62.5	31.2	31.2	31.2	62.5	31.2	31.2	62.5	31.2
	KVA	3.76	7.18	7.50	7.79	4.35	8.15	4.55	8.50	4.75	7.19	7.37	14.7	7.79	8.15	16.0	8.50
	LV Amps	39.6	70.8	70.8	70.8	39.6	70.8	39.6	70.8	39.6	35.4	35.4	66.7	35.4	35.4	66.7	35.4
Q1C5ESCF	HV Amps	46.9	93.7	93.7	93.7	46.9	93.7	46.9	93.7	46.9	46.9	46.8	93.7	46.9	46.9	93.7	46.9
	KVA	5.64	10.8	11.2	11.7	6.53	12.2	6.83	12.7	7.12	10.8	11.0	22.0	11.7	12.2	24.0	12.7
	LV Amps	59.4	106	106	106	59.4	106	59.4	106	59.4	53.1	53.1	100	53.1	53.1	100	53.1
Q002ESCF	HV Amps	62.5	125	125	125	62.5	125	62.5	125	62.5	62.5	62.5	125	62.5	62.5	125	62.5
	KVA	7.50	14.4	15.0	15.6	8.71	16.3	9.10	17.0	9.50	14.4	14.7	29.3	15.6	16.3	32.0	17.0
	LV Amps	79.1	142	142	142	79.2	142	79.2	142	79.2	70.8	70.8	133	70.8	70.8	133	70.8
Q003ESCF	HV Amps	93.7	187	187	187	93.7	187	93.7	187	93.7	93.7	93.7	187	93.7	93.7	187	93.7
	KVA	11.3	21.5	22.5	23.4	13.0	24.4	13.6	25.5	14.2	21.6	22.1	44.0	23.4	24.4	48.0	25.5
	LV Amps	119	212	212	212	119	212	119	212	119	106	106	200	106	106	200	106
Q005ESCF	HV Amps	156	312	312	312	156	312	156	312	156	156	156	312	156	156	312	156
	KVA	18.8	35.9	37.5	39.0	21.8	40.7	22.8	42.5	23.8	35.9	36.8	73.3	39.0	40.7	80.0	42.5
	LV Amps	198	354	354	354	198	354	198	354	198	177	177	333	177	177	333	177
CONNECTION DIAGRAM		2	1	1	1	2	1	2	1	2	4	4	3	4	4	3	4



## 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 B) on page 89.

## Three Phase - Group B Selection Chart

Catalog Number	Low Voltage	184	195	208	208	225	230	234	234	240	240	184	208	379	416	416
	High Voltage	209	208	222	236	240	245	250	265	272	256	106	120	219	240	240
<b>QUANTITY REQUIRED</b>		2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
<b>CONNECTION DIAGRAM</b> (Refer to Page 91-92)		7	8	8	7	8	8	8	7	7	8	10	10	12	11	12
<b>Three Phase Connection Style</b>		<b>Delta Connected</b>										<b>Wye Connected</b>				
QC05ESCB	HV Amps	1.56	3.13	3.13	1.56	3.13	3.13	3.13	1.56	1.56	3.13	3.13	3.13	1.56	3.13	1.56
	KVA	0.57	1.13	1.21	0.64	1.30	1.33	1.36	0.72	0.74	1.39	1.13	1.28	1.17	2.40	1.28
	LV Amps	1.77	3.33	3.33	1.77	3.33	3.33	3.33	1.77	1.77	3.33	3.54	3.54	1.77	3.33	1.77
QC10ESCB	HV Amps	3.13	6.25	6.25	3.13	6.25	6.25	6.25	3.13	3.13	6.25	6.25	6.25	3.13	6.25	3.13
	KVA	1.13	2.26	2.41	1.28	2.60	2.66	2.71	1.44	1.48	2.78	2.25	2.55	2.33	4.80	2.55
	LV Amps	3.54	6.67	6.67	3.54	6.67	6.67	6.67	3.54	3.54	6.67	7.08	7.08	3.54	6.67	3.54
QC15ESCB	HV Amps	4.69	9.38	9.38	4.69	9.38	9.38	9.38	4.69	4.69	9.38	9.38	9.38	4.69	9.4	4.69
	KVA	1.70	3.38	3.61	1.92	3.90	3.99	4.06	2.16	2.21	4.16	3.38	3.83	3.50	7.20	3.83
	LV Amps	5.31	10.00	10.00	5.31	10.00	10.00	10.00	5.31	5.31	10.00	10.6	10.6	5.31	10.0	5.31
QC20ESCB	HV Amps	6.25	12.50	12.50	6.25	12.50	12.50	12.50	6.25	6.25	12.50	12.5	12.5	6.25	12.50	6.25
	KVA	2.26	4.51	4.81	2.56	5.20	5.32	5.41	2.88	2.94	5.55	4.50	5.10	4.67	9.60	5.10
	LV Amps	7.08	13.30	13.30	7.08	13.30	13.30	13.30	7.08	7.08	13.30	14.2	14.2	7.08	13.3	7.08
QC25ESCB	HV Amps	7.81	15.60	15.60	7.80	15.60	15.60	15.60	7.81	7.81	15.60	15.6	15.6	7.81	15.6	7.81
	KVA	2.83	5.63	6.01	3.19	6.50	6.64	6.76	3.59	3.69	6.93	5.63	6.38	5.84	12.0	6.38
	LV Amps	8.85	16.70	16.70	8.90	16.70	16.70	16.70	8.85	8.85	16.70	17.7	17.7	8.85	16.7	8.85
QC35ESCB	HV Amps	10.9	21.9	21.9	10.9	21.9	21.9	21.9	10.9	10.9	21.9	21.9	21.9	10.9	21.9	10.9
	KVA	3.96	7.89	8.41	4.47	9.10	9.30	9.46	5.03	5.16	9.70	7.88	8.93	8.17	16.8	8.93
	LV Amps	12.4	23.3	23.3	12.4	23.3	23.3	23.3	12.4	12.4	23.3	24.8	24.8	12.4	23.3	12.4
QC50ESCB	HV Amps	15.6	31.3	31.3	15.6	31.3	31.3	31.3	15.6	15.6	31.3	31.3	31.3	15.6	31.3	15.6
	KVA	5.65	11.30	12.00	6.38	13.00	13.30	13.50	7.18	7.37	13.90	11.3	12.8	11.7	24.0	12.8
	LV Amps	17.7	33.3	33.3	17.7	33.3	33.3	33.3	17.7	17.7	33.3	35.4	35.4	17.7	33.3	17.7
QC75ESCB	HV Amps	23.4	46.9	46.9	23.4	46.9	46.9	46.9	23.4	23.4	46.9	46.9	46.9	23.4	46.9	23.4
	KVA	8.47	16.90	18.00	9.57	19.5	19.9	20.3	10.8	11.1	20.8	16.9	19.1	17.5	36.0	19.1
	LV Amps	26.6	50.0	50.0	26.6	50.0	50.0	50.0	26.6	26.6	50.0	53.1	53.1	26.6	50.0	26.6
Q1C0ESCB	HV Amps	31.3	62.5	62.5	31.3	62.5	62.5	62.5	31.3	31.3	62.5	62.5	62.5	31.3	62.5	31.3
	KVA	11.3	22.5	24.0	12.8	26.0	26.6	27.0	14.4	14.7	27.7	22.5	25.5	23.3	48.0	25.5
	LV Amps	35.4	66.7	66.7	35.4	66.7	66.7	66.7	35.4	35.4	66.7	70.8	70.8	35.4	66.7	35.4
Q1C5ESCF	HV Amps	46.9	93.8	93.8	46.9	93.8	93.8	93.8	46.9	46.9	93.8	93.8	93.8	46.9	93.8	46.9
	KVA	16.9	33.8	36.0	19.1	39.0	39.8	40.5	21.5	22.1	41.6	33.8	38.3	35.0	72.0	38.3
	LV Amps	53.1	100.0	100.0	53.1	100.0	100.0	100.0	53.1	53.1	100.0	106	106	53.1	100	53.1
Q002ESCF	HV Amps	62.5	125.0	125.0	62.5	125.0	125.0	125.0	62.5	62.5	125.0	125	125	62.5	125.0	62.5
	KVA	22.6	45.0	48.0	25.5	52.0	53.1	54.0	28.7	29.4	55.4	45.0	51.0	46.7	96.0	51.0
	LV Amps	70.8	133.3	133.3	70.8	133.3	133.3	133.3	70.8	70.8	133.3	142	142	70.8	133	70.8
Q003ESCF	HV Amps	93.75	187.5	187.5	93.75	187.5	187.5	187.5	93.75	93.75	187.5	188	188	93.8	188	93.8
	KVA	33.9	67.6	72.1	38.3	78.0	79.7	81.1	43.1	44.2	83.1	67.5	76.5	70.0	144	76.5
	LV Amps	106.3	200	200	106.3	200	200	200	106.3	106.3	200	213	213	106	200	106
Q005ESCF	HV Amps	156.25	312.5	312.5	156.25	313	312.5	312.5	156.25	156.25	312.5	313	313	156	313	156
	KVA	56.4	112.6	120.1	63.8	129.9	132.8	135.1	71.8	73.6	138.6	113	128	117	240	128
	LV Amps	177.1	333.3	333.3	177.1	333.3	333.3	333.3	177.1	177.1	333.3	354	354	177	333	177





## 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 228)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ERCB	NQ0	3.69	5.06	7.19	6	W
100	QC10ERCB	NQ0	3.69	5.06	7.19	7	W
150	QC15ERCB	NQ0	3.69	5.06	7.19	8	W
200	QC20ERCB	NQ1	4.31	5.56	7.19	11	W
250	QC25ERCB	NQ1	4.31	5.56	7.19	13	W
350	QC35ERCB	NQ1	4.31	5.56	7.19	14	W
500	QC50ERCB	NQ2	5.06	4.56	9.30	15	W
750	QC75ERCB	NQ2	5.06	4.56	9.30	18	W
1000	Q1C0ERCB	NQ3	5.88	5.19	10.56	25	W
1500	Q1C5ERCF	NQ4	7.06	6.25	11.75	36	W
2000	Q002ERCF	NQ4	7.06	6.25	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 228)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ESCB	NQ0	3.69	5.06	7.19	6	W
100	QC10ESCB	NQ0	3.69	5.06	7.19	7	W
150	QC15ESCB	NQ0	3.69	5.06	7.19	8	W
200	QC20ESCB	NQ1	4.31	5.56	7.19	11	W
250	QC25ESCB	NQ1	4.31	5.56	7.19	13	W
350	QC35ESCB	NQ1	4.31	5.56	7.19	14	W
500	QC50ESCB	NQ2	5.06	4.56	9.30	15	W
750	QC75ESCB	NQ2	5.06	4.56	9.30	18	W
1000	Q1C0ESCB	NQ3	5.88	5.19	10.56	25	W
1500	Q1C5ESCF	NQ4	7.06	6.25	11.75	36	W
2000	Q002ESCF	NQ4	7.06	6.25	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 228)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05DTCB	NQ0	3.69	5.06	7.19	6	W
100	QC10DTCB	NQ0	3.69	5.06	7.19	7	W
150	QC15DTCB	NQ0	3.69	5.06	7.19	8	W
200	QC20DTCB	NQ1	4.31	5.56	7.19	11	W
250	QC25DTCB	NQ1	4.31	5.56	7.19	13	W
350	QC35DTCB	NQ1	4.31	5.56	7.19	14	W
500	QC50DTCB	NQ2	5.06	4.56	9.30	15	W
750	QC75DTCB	NQ2	5.06	4.56	9.30	18	W
1000	Q1C0DTCB	NQ3	5.88	5.19	10.56	25	W
1500	Q1C5DTCF	NQ4	7.06	6.25	11.75	36	W
2000	Q002DTCF	NQ4	7.06	6.25	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 228)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ERCB	NQ0	3.69	5.06	7.19	6	W
100	QC10ERCB	NQ0	3.69	5.06	7.19	7	W
150	QC15ERCB	NQ0	3.69	5.06	7.19	8	W
200	QC20ERCB	NQ1	4.31	5.56	7.19	11	W
250	QC25ERCB	NQ1	4.31	5.56	7.19	13	W
350	QC35ERCB	NQ1	4.31	5.56	7.19	14	W
500	QC50ERCB	NQ2	5.06	4.56	9.30	15	W
750	QC75ERCB	NQ2	5.06	4.56	9.30	18	W
1000	Q1C0ERCB	NQ3	5.88	5.19	10.56	25	W
1500	Q1C5ERCF	NQ4	7.06	6.25	11.75	36	W
2000	Q002ERCF	NQ4	7.06	6.25	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 228)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05ESCB	NQ0	3.69	5.06	7.19	6	W
100	QC10ESCB	NQ0	3.69	5.06	7.19	7	W
150	QC15ESCB	NQ0	3.69	5.06	7.19	8	W
200	QC20ESCB	NQ1	4.31	5.56	7.19	11	W
250	QC25ESCB	NQ1	4.31	5.56	7.19	13	W
350	QC35ESCB	NQ1	4.31	5.56	7.19	14	W
500	QC50ESCB	NQ2	5.06	4.56	9.30	15	W
750	QC75ESCB	NQ2	5.06	4.56	9.30	18	W
1000	Q1C0ESCB	NQ3	5.88	5.19	10.56	25	W
1500	Q1C5ESCF	NQ4	7.06	6.25	11.75	36	W
2000	Q002ESCF	NQ4	7.06	6.25	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 228)	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall
			Width	Depth	Height		
50	QC05DTCB	NQ0	3.69	5.06	7.19	6	W
100	QC10DTCB	NQ0	3.69	5.06	7.19	7	W
150	QC15DTCB	NQ0	3.69	5.06	7.19	8	W
200	QC20DTCB	NQ1	4.31	5.56	7.19	11	W
250	QC25DTCB	NQ1	4.31	5.56	7.19	13	W
350	QC35DTCB	NQ1	4.31	5.56	7.19	14	W
500	QC50DTCB	NQ2	5.06	4.56	9.30	15	W
750	QC75DTCB	NQ2	5.06	4.56	9.30	18	W
1000	Q1C0DTCB	NQ3	5.88	5.19	10.56	25	W
1500	Q1C5DTCF	NQ4	7.06	6.25	11.75	36	W
2000	Q002DTCF	NQ4	7.06	6.25	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

