

## 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<br>High Voltage | 95<br>120 | 101<br>115 | 106<br>120 | 110<br>125 | 110<br>139 | 115<br>130 | 115<br>146 | 120<br>136 | 120<br>152 | 203<br>230 | 208<br>236 | 220<br>235 | 220<br>249 | 230<br>261 | 240<br>256 | 240<br>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        | 313        | 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><br>(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> |      |      |       |      |
| <b>QC05ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC10ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC15ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC20ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC25ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC35ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC50ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC75ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q1C0ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q1C5ESCF</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q002ESCF</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q003ESCF</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q005ESCF</b>                                    | <b>HV Amps</b> | 156.25                 | 312.5 | 312.5 | 156.25 | 313   | 312.5 | 312.5 | 156.25 | 156.25 | 312.5 | 313                  | 313  | 156  | 313   | 156  |
|                                                    | <b>KVA</b>     | 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  |
| <b>Q005ESCF</b>                                    | <b>HV Amps</b> | 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  |
|                                                    | <b>KVA</b>     | 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  |



## Single Phase Specification Tables

### Group A

Primary Voltage: 120 X 240

Secondary Voltage: 12 X 24

50/60 Hertz

| VA   | Catalog Number | Case Style<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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                    |



## 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<br>High Voltage | 95<br>120 | 101<br>115 | 106<br>120 | 110<br>125 | 110<br>139 | 115<br>130 | 115<br>146 | 120<br>136 | 120<br>152 | 203<br>230 | 208<br>236 | 220<br>235 | 220<br>249 | 230<br>261 | 240<br>256 | 240<br>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        | 313        | 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><br>(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> |      |      |       |      |
| <b>QC05ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC10ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC15ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC20ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC25ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC35ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC50ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>QC75ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q1C0ESCB</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q1C5ESCF</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q002ESCF</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q003ESCF</b>                                    | <b>HV Amps</b> | 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 |
|                                                    | <b>KVA</b>     | 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 |
| <b>Q005ESCF</b>                                    | <b>HV Amps</b> | 156.25                 | 312.5 | 312.5 | 156.25 | 313   | 312.5 | 312.5 | 156.25 | 156.25 | 312.5 | 313                  | 313  | 156  | 313   | 156  |
|                                                    | <b>KVA</b>     | 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  |
|                                                    | <b>LV Amps</b> | 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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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<br>(Page 228) | Approx. Dimensions<br>(Inches) |       |        | Approx. Weight<br>(Lbs.) | Mtg Type<br>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                    |

