

# MMC Design Chart

CDE 942C20P15K (.150uF 2000 vdc)

## Mains Frequency - 60 Hz

| Transformer Specs |    |     | Resonant Capacitor |        |           | Static Gap LTR Capacitor |        |           | SRSG LTR Capacitor |        |           |
|-------------------|----|-----|--------------------|--------|-----------|--------------------------|--------|-----------|--------------------|--------|-----------|
| NST               | KV | mA  | Value              | # Caps | # Strings | Value                    | # Caps | # Strings | Value              | # Caps | # Strings |
| 9/30              | 9  | 30  | 0.0088             | 17     | 1         | 0.0133                   | 11     | 1         | 0.0231             | 7      | 1         |
| 9/60              | 9  | 60  | 0.0177             | 9      | 1         | 0.0265                   | 6      | 1         | 0.0461             | 7      | 2         |
| 10/23             | 10 | 23  | 0.0061             | 24     | 1         | 0.0092                   | 16     | 1         | 0.0159             | 9      | 1         |
| 12/30             | 12 | 30  | 0.0066             | 23     | 1         | 0.0099                   | 15     | 1         | 0.0173             | 9      | 1         |
| 12/60             | 12 | 60  | 0.0133             | 11     | 1         | 0.0199                   | 8      | 1         | 0.0346             | 9      | 2         |
| 12/90             | 12 | 90  | 0.0199             | 8      | 1         | 0.0298                   | 10     | 2         | 0.0519             | 9      | 3         |
| 12/120            | 12 | 120 | 0.0265             | 11     | 2         | 0.0398                   | 8      | 2         | 0.0692             | 9      | 4         |
| 15/30             | 15 | 30  | 0.0053             | 28     | 1         | 0.0080                   | 19     | 1         | 0.0138             | 11     | 1         |
| 15/60             | 15 | 60  | 0.0106             | 14     | 1         | 0.0159                   | 10     | 1         | 0.0277             | 11     | 2         |
| 15/90             | 15 | 90  | 0.0159             | 10     | 1         | 0.0239                   | 13     | 2         | 0.0415             | 11     | 3         |
| 15/120            | 15 | 120 | 0.0212             | 14     | 2         | 0.0318                   | 10     | 2         | 0.0553             | 11     | 4         |

## Mains Frequency - 50 Hz

| Transformer Specs |    |     | Resonant Capacitor |        |           | Static Gap LTR Capacitor |        |           | SRSG LTR Capacitor |        |           |
|-------------------|----|-----|--------------------|--------|-----------|--------------------------|--------|-----------|--------------------|--------|-----------|
| NST               | KV | mA  | Value              | # Caps | # Strings | Value                    | # Caps | # Strings | Value              | # Caps | # Strings |
| 9/30              | 9  | 30  | 0.0106             | 14     | 1         | 0.0159                   | 9      | 1         | 0.0277             | 6      | 1         |
| 9/60              | 9  | 60  | 0.0212             | 7      | 1         | 0.0318                   | 9      | 2         | 0.0553             | 6      | 2         |
| 10/23             | 10 | 23  | 0.0073             | 20     | 1         | 0.0110                   | 13     | 1         | 0.0191             | 8      | 1         |
| 12/30             | 12 | 30  | 0.0080             | 19     | 1         | 0.0119                   | 12     | 1         | 0.0208             | 8      | 1         |
| 12/60             | 12 | 60  | 0.0159             | 9      | 1         | 0.0239                   | 12     | 2         | 0.0415             | 8      | 2         |
| 12/90             | 12 | 90  | 0.0239             | 19     | 3         | 0.0358                   | 8      | 2         | 0.0623             | 8      | 3         |
| 12/120            | 12 | 120 | 0.0318             | 9      | 2         | 0.0477                   | 9      | 3         | 0.0830             | 8      | 4         |
| 15/30             | 15 | 30  | 0.0064             | 23     | 1         | 0.0095                   | 15     | 1         | 0.0166             | 10     | 1         |
| 15/60             | 15 | 60  | 0.0127             | 12     | 1         | 0.0191                   | 15     | 2         | 0.0332             | 10     | 2         |
| 15/90             | 15 | 90  | 0.0191             | 16     | 2         | 0.0286                   | 11     | 2         | 0.0498             | 10     | 3         |
| 15/120            | 15 | 120 | 0.0255             | 12     | 2         | 0.0382                   | 12     | 3         | 0.0664             | 10     | 4         |