

## Capacitor Unit Details

### Capacitor Part Number:

**98L514WC62**

|   |                 |            |
|---|-----------------|------------|
| Rated Voltage                                   | 14400 V         | 60 Hz      |
| KVAR at Rated Voltage                           | 500 kVAR        |            |
| Rated Capacitance                               | 6.4 $\mu$ F     |            |
| Manufacturing tolerance for capacitor unit kvar | -0% to +10%     |            |
| Capacitor Unit BIL                              | 95/95 kV        |            |
| Bushing Leakage Distance (Nominal)              | 12/12 in        | 305/305 mm |
| Number of Film Layers per Pad                   | 2               |            |
| Total Film Pad Thickness                        | 1.25 mil        |            |
| Dry Space Factor                                | 28.1 %          |            |
| Number of Series Sections                       | 6               |            |
| Number of Parallel Packs per Section            | 2               |            |
| Section Voltage                                 | 2400 Volts      |            |
| Volts/mil stress (film only)                    | 1920 Volts/mil  |            |
| Volts/mil stress (film and fluid)               | 1499 Volts/mil  |            |
| Discharge Resistor Rating                       | 6.65 M $\Omega$ |            |
| Weight  | 81.8 Lbs        | 37.2 kg    |
| Gallons of Dielectric Fluid                     | 2.97 Gal        |            |
| Ground Test                                     | 34000 V         | AC 10 sec  |
| Dielectric Test                                 | 28800 V         | AC 10 sec  |
| Manufactured with Folded edges (Y/N)            | Yes             |            |

### Additional Comments:

- Case thickness: Sides: 0.042", Cover: 0.05", Bottom: 0.09".
- Average losses of a stabilized unit in service is 0.1 W/kvar.
- Paint is an epoxy primer w/ urethane top coat meeting ANSI C57.12.31-2010 Pole Mounted Equipment .
- Internal elements will be extended foil and connected using ultrasonic welding.
- Capacitor unit operating temperature range is -50 to +50 deg. C.
- Maximum Bushing Torque 25 Ft-Lbs or 34 N-m.
- Percent Alteration on Surface Altered Film is 10% (avg.).
- Fluid Type (Non PCB) is DIELEKTROL VIIa, with a Dielectric Constant of 2.62.

