

# DUCA POWER SUPER HEAVY DUTY CAPACITORS

Cylindrical 3 Phase Super Heavy Series



## Description

The capacitors making up the DUCAPOWER Super Heavy Duty Series are used in static & automatic power factor correction equipment. The series has three capacitor elements wired internally in a delta connection.

The capacitors making up the new series are obtained using three elements wound with the new PPMh and positioned inside metal case. The use of impregnation technology and positioning of the individual elements inside the case assure extremely high capacitor performance in terms of heat dissipation, as well as ensuring a long life and excellent ground insulation.

This series is used in practically all Neptune Thyristor Switched Power Factor Correction Systems which rely on three-phase capacitors. In fact, the above-described characteristics make these capacitors especially suitable for continuous duty under highly demanding conditions in harmonic rich environments.

# Technical Specifications

| #                         | Parameters                    |
|---------------------------|-------------------------------|
| Standard Voltage (Un)     | 415/440/480/525/690V          |
| Rated Frequency           | 50 Hz (60 Hz on request)      |
| Capacitance Tolerance     | -5 + 10%                      |
| Dielectric losses         | =                             |
| Altitude                  | =                             |
| Duty                      | Continuous                    |
| Discharge Resistors       | External (50V after 1 Min.)   |
| Protection Rating         | IP20 Indoor Mounting          |
| Terminals                 | Screw terminals               |
| A.C. test voltage between | 2, 15 Un x 2 s terminals      |
| A.C. test voltage between | 3 kV x 10 s terminals & case) |
| Temperature class         | -25 to 70/D                   |
| Max. Inrush current       | 200 In                        |
| Max. Overload In          | 4 x In                        |
| Life expectancy           | >1,70,000 hrs/D               |
| Reference standard        | IEC 831-1/2                   |

## Dimension:-

| Qn (KVar) | In (A) | Cn (uF) | Dia (mm) | Height (mm) |
|-----------|--------|---------|----------|-------------|
| 10        | 12, 83 | 3x55    | 90±1     | 300±1       |
| 12,5      | 16, 04 | 3x69    | 100±1    | 300±1       |
| 25        | 32,08  | 3x137   | 115±1    | 390±2       |



## Neptune India Ltd.

Neptune House, A 11 - Sector 59  
Noida - 201301, INDIA  
Tel: 0120 420 5900, 429 7900  
Email: enquiry@neptuneindia.com  
www.neptuneindia.com