Ultima – The Ultimate Capacitors

Description

The Three-phase Ultima Capacitors are latest from Neptune has been designed for power factor correction in networks with high harmonic current content. They are capable of withstanding 4xIn which is Maximum in comparison to other technologies offered in the market with very low losses.

The capacitor has been made by three elements connected in a delta configuration with metalization done in special profile to allow high voltage stress on the film. The elements are housed into an aluminium can and finally impregnated by resin oil.

The impregnation technology allow:

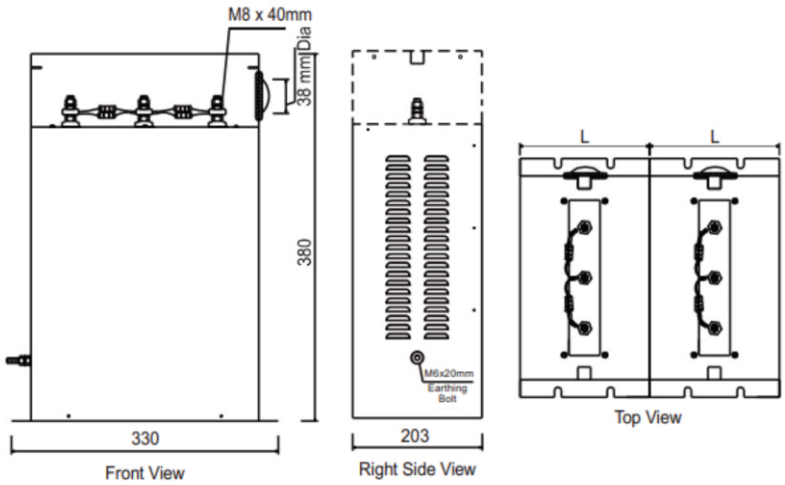
- To treat the capacitor in a vacuum
- To eliminate gas and humidity from the active area – impregnate the element
- To control the “partial discharge effect” which is one of the reason to have precocious ageing (life longer than 200,000 operating hours)

Technical Specifications

#	Parameters
Standard Voltage (Un)	415/440/480/540/690V
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	2.5 x In
Life expectancy	>100000h – 25/D
Reference standard	IEC 831-1/2

Dimension:-

KVAR Rating	In (A)	Length (L)
5 KVAR	6,6	90
10 KVAR	13,1	90
12.5 KVAR	16,4	90
15 KVAR	19,7	203
20 KVAR	26,2	203
25 KVAR	32,8	203
50 KVAR	65,6	406
75 KVAR	98,4	809
100 KVAR	131,2	1012



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