

POWER-9 HEAVY DUTY CAPACITORS

Cylindrical 3 Phase Heavy Duty Series



Description

The capacitors making up the POWER-9 series are used for static power factor correction of a wide range of motors and transformers. This series share the same internal configuration, with three capacitor elements wired internally in a delta connection. The over pressure protection system is specifically dimensioned so as to constantly ensure maximum safety in terms of ground protection and protection against the risk of arcing, even in conditions where there is a high energy density.

In these series HEAVY DUTY of resin-impregnated capacitors, the three elements are housed in a plastic container which, together with the impregnating agents, assures dual insulation between the wound cores and metal enclosure. To guarantee perfect filling during the resin impregnation process, the process itself is carried out prior to the elements being placed in the enclosure; in this way the distribution and uniformity of the impregnation can be subjected to a complete visual and dimensional inspection.

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:-

Qn (Kvar), 440V	In (A)	Cn (uF)	Dia (mm)	Height (mm)
5 KVAR	6,6	3x27,4	70±1	215±1
10 KVAR	13,1	3x55	85±1	215±1
12.5KVAR	16,4	3x69	100±1	215±1
15 KVAR	19,7	3x82	100±1	300±1
25 KVAR	32,8	3x137	100±1	215±2