

CLDB

LV capacitor units

Description

The CLDB LV All Polypropylene (APP) type capacitors are a durable, safe, reliable and high performance solution for power factor correction and harmonic filtration in industrial and semi-industrial applications. These capacitors are oil impregnated and are engineered to deliver a long working life with low losses.

Applications

The CLDB LV All Polypropylene (APP) type capacitors are used in automobile and battery manufacturing plants, arc welding equipment, motors controlled by variable frequency drives, paper, plastic, rubber, cement, textile, sugar factories and steel rolling mills.

Key features

- The elements are vacuum impregnated with dielectric fluid
- Non-PCB, non-toxic impregnating fluid used
- Leakage proof
- Rigid bushings with practically no mechanical stress on termination bolts
- Very low watt losses at termination

Standards

Tested and manufactured in conformity with IS-13585

Technical details

Model	APP
Connection	Three-phase, delta connected
Voltage range	415/440/525 V*
Rated output power	5 to 100 kvar
Rated frequency	50 Hz
Reference standard	IS-13585
Discharge resistors	Connected built-in discharge resistors are sized to ensure safe discharge of the capacitor to less than 50 V in 1 minute after a switch off.
Dielectric used	Polypropylene
Type of impregnate used	Non PCB oil
Case material	Powder coated CRCA
Type of protection	Internal fuse
Insulation level	3 kV
N° of film layer	one
Capacitor loss in watts/kvar including discharge resistor (Max)	< 0.5 Watt/kvar max
Tolerance on capacitance	-5% + 10%
Shape of the container	Rectangular
Test voltage between terminals and container	3 kV ac for 60 seconds

*For other voltages please consult your nearest ABB agent

