

1. All-film dielectric

Exclusive three-layer design with double-side rough (hazy) polypropylene film. Higher impregnation ratio. Longer capacitor life than conventional designs.

2. Biodegradability

Environment-friendly, biodegradable synthetic oil, absolutely PCB-free, characterized by its high flame-point and high gas-absorption capacity at very low temperatures.

3. Extended foil – folded foil construction

Environment-friendly, biodegradable synthetic oil, absolutely PCB-free, characterized by its high flame-point and high gas-absorption capacity at very low temperatures.

4. Internal fuses

Internal fuses (optional) protect individual capacitor sections against dielectric failure. In case of failure, the damaged section is isolated and the capacitor unit continues in normal operation with a slight kVAr loss. Individual fuses are built and arranged into the capacitor tank so that the operation of a fuse will never cause another fuse to blow, and also the by-products of fuse operation will not pollute or otherwise affect the healthy part of the capacitor.

5. Low design stress (kv/mm)

Low design stresses are employed, to extend capacitor life and increase reliability.

6. Low dielectric losses (w/kvar)

Exceptionally low dielectric losses allow for lower working temperatures and hence longer useful life.

7. Stainless steel tank – polyurethane finishing

Design to withstand heavily polluted industrial or marine environments. Minimum coating thickness: 70 micron. Light gray color (RAL 7030 – Munsell N6.5 – IRAM 09-1-040).

8. Welded porcelain bushings

Life-long oil-tightness guaranteed..

9. 100% traceability

Every capacitor unit is marked with its own serial number. Capacitors are individually tested under IEC standards (other testing standards applicable at request). Complete manufacturing and test records for every unit are kept to insure 100% traceability.

10. General features

- Installation: Outdoors / indoors
- Temperature Class: -5/C (-5/+50°C) (other temperature classes at request)
- Capacitance Tolerance: -5/+10%
- Maximum Overvoltage: 1.10 x Un (according to IEC-60871)
- Maximum Overload: 1.30 x In
- Residual Voltage: <10% of Un (5 min after disconnection)
- Losses: <0.15W/kVAr (typical value)
- Applicable standards: IEC-60871/1-2; IRAM-2326; NBR-5282 (other standards at request)



Ingeniería en Capacitores
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11. Dimensions

Single-phase capacitors rated between 1.3 and 20kV.

Rated kVAr		Dimensions (approx.)			Mass (approx.)
50Hz	60Hz	A (mm)	B (mm)	C (mm)	Kg
33.3	40	200	135	130	16
50	60	200	135	130	17
83.3	100	300	135	230	22
100	120	320	135	230	25
150	180	500	135	230	35
167	200	500	135	230	35
200	240	580	135	230	40
250	300	660	135	230	49
300	360	680	160	230	55
400	480	860	160	230	67
500	600	1080	160	230	80

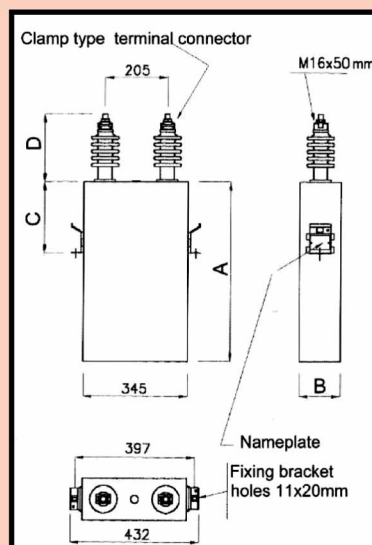
BUSHING
SIZES:

BIL (kV)	D (mm)
30	110
60	140
75	160
110	220
125	245
150	290
170	290

For other kVAr and kV ratings, please apply to our Customer Service Department.

12. Leyden quality assurance system

LEYDEN capacitors are manufactured under a Quality Assurance System that has been certified to ISO-9001-2000 by Underwriters Laboratories (UL).



A member of the ARIEX Group



ISO 9001:2000
UL – Registered Firm
File No. A 11858