



Ratings	
26 – 50 kvar 415 V, 50Hz, 3-phase	
Standard Units	
ALMD031: 1 x 50 kvar 415 V nominal	
ALMD032: 1 x 50 kvar 415 V [480 v dielectric]	

Losses	
Dielectric losses:	0.2 watts / kvar
Capacitor unit losses:	0.5 watts / kvar
Total module losses:	1.6 watts / kvar
[Includes: contactor + line fuse losses]	

Ventilation

Capacitor modules are suitable for well ventilated or forced air-cooled enclosures which ensure that the temperature limitations detailed in the Technical Specification are not exceeded: 30°C limit for 24 hour mean temperature within the panel. [20°C mean outside the panel]

Recommendations:

Temperature rise: not to exceed 10°C within the enclosure.

Natural ventilation generally acceptable: IP rating ≤ 3X upto 200 kvar.

Forced air-cooling: > 200 kvar or IP rating > 3X.

TECHNICAL SPECIFICATION

- Voltage:** Standard 415 V: alternative voltages on request.
- Frequency:** 50 Hz: or 60 Hz on request
- Connection:** Standard 3-phase (No neutral).
- Discharge Resistors:** Permanently connected discharge resistors are incorporated to ensure safe discharge of the capacitors to less than 50 V in one minute: after switch-off [more efficient than the requirements of BS EN60831].
- Termination:** DIN fuse base, designed to accommodate three single core cables with M8 lugs.
- Fuses:** DIN pattern main line fuses fitted.
- Dielectric:** 415 V or 480 V available.
- Contactors:** 415 V coils: (110 V / 240 V on request).
- Case Material:** Zinc electroplated mild steel.
- Finish:** Powder coated epoxy paint – textured to colour RAL7032.
- Location:** Panel mounting.
- Protection:** IP00 – suitable for well ventilated enclosures.
- Ambient Temperature:** -25°C+40°C (Symbol 'A') as defined by BS EN60831.
- Tolerance on Capacitance:** -5 / +10% to comply with BS EN60831.
- Voltage test:** Between terminals 2.15 U_N for 10 seconds. Between main terminals and earth / case: 3.0 kV for 10 seconds.
- Acceptable overloads:** according to BS EN 60831:
 - over-voltage tolerance 10% maximum at intervals.
 - over-current tolerance 30% permanently.
- Recommended clearances:** minimum clearance from panel door to capacitor switching contactor: 30 mm. Minimum clearance between capacitor and panel side or between adjacent capacitor modules: 50 mm.
- Approximate weight:** 14 kgs

IMPORTANT NOTICE

The installation of capacitors on networks disturbed by harmonics may require special precautions, especially when there is a risk of resonance. Our offer is valid for normal operating conditions only; as defined in BS EN60831.

All dimensions in mm (Not to scale)

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