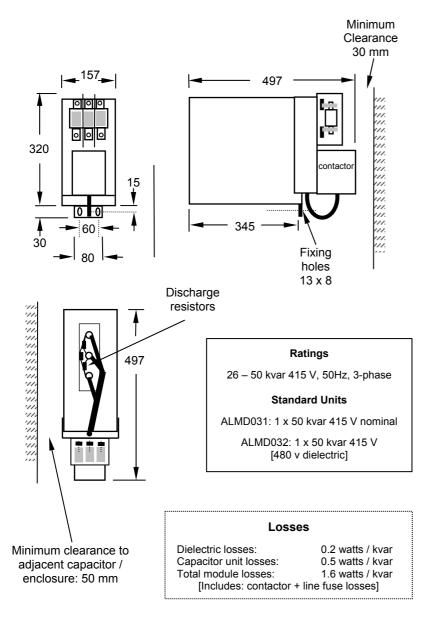


## **ADVANCE Panelvar** Module MO3

**TECHNICAL** COMMENTARY **M03** 

Rev. A



## 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.

# All dimensions in mm (Not to scale)

While every care is taken to ensure that the information contained in this publication is correct, no legal responsibility can be accepted for any inaccuracy. The company reserves the right to alter or modify the information contained herein at any time in the light of technical or other developments.

#### **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<sub>N</sub> 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 Our offer is valid for resonance. normal operating conditions only; as defined in BS EN60831.

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