

saving energy losses everywhere

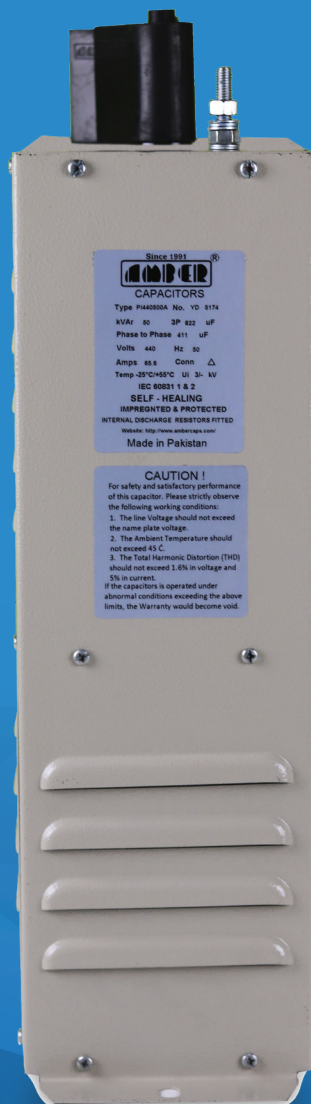


AMBER CAPACITORS LIMITED is an ISO 9001:2015 certified company. The Company was established in 1991 by Chairman Engr. Ata-ur-Rahman Arain (Late), and continues to grow under the able guidance of Chief Executive Engr. Farhan Ata Arain.

AMBER specializes in manufacturing low voltage capacitors of many types, including Three and Single phase capacitors for Industrial Power- Factor Correction.

What sets **AMBER** apart from competition is the fact that **AMBER** capacitors are especially designed and tested to suit the local conditions. Right from selection of Raw Materials, up till Testing and R&D, special focus is towards quality and performance in Pakistani environment. This strict quality control is backed by a rock-solid performance warranty for better satisfaction and assurance of the customer.

PI Series





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ISO 9001:2015
CERTIFIED

PI Series

• Design / Construction

AMBER series 'PI' Low Voltage Three Phase Power Capacitors in 'Impregnated I Protected' design are manufactured out of Modules made of Low Loss Self-Healing Metallised Polypropylene Film, impregnated in non-PCB oil of low viscosity. The Modules incorporate internal pressure disconnection system which fully protects the Modules against bursting in case of fault. The modular construction allows repair and maintenance of the assembly at the component level.

• Technical Specification

Discharge Resistors: Fitted to reduce the voltage to a level below 75V within 3 minutes of switch-off.

Termination: Plated Terminals for termination of cables.

Housing: Electrostatically Powder Coated MS sheet, 1 mm, with ample ventilation louvers.

Specifications: IEC 60831 (2014-02) Parts 1 & 2 "Shunt Power Capacitors of the self-healing type for AC Systems having a rated voltage up to and including 1000 V".

Temperature Category: -25°C / D (Minimum ambient air temperature: -25°C, Maximum ambient air temperature during a year: +55°C Highest mean over any period of 24 hours: +45°C, Highest mean over any period of 1 year: +35°C) Other temperature ranges can be inquired

Application: In-door, the capacitors are specially suited for environments having consistently high ambient temperatures and high harmonic levels.

Rated Voltage: 415, 440, 460 VAC.

Rated Frequencies: 50Hz (60 Hz Can be provided on demand).

Connections: Delta

Losses: Less than 0.5 W / kVAr.

Continuous Overvoltage: 1.1 U_N (except transients).

Continuous Current: 1.3 I_N (except transients).

Test Voltage: Between Terminals: 2.15 U_N AC for 2 seconds **Terminal to Case:** 3 kV AC for 10 seconds.

Tolerance: - 5% / + 10%

Protection: Over-pressure disconnection in elements.

Installation: Vertical, in-door use only.

kVAr Range: Please refer to the data given on the next pages. For ranges not mentioned there, please enquire. For other requirements of voltages and kVAr, please inquire.

AMBER CAPACITORS LIMITED

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