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UL Listed  
2-100 KVAR  
240, 480, 600 Volts  
3 Phase, 60 Hz  
General Purpose  
Power Factor Correction  
Dustproof/Weatherproof

## DRI-VAR II Industrial Power Capacitors Dry Metallized Dielectric

### Description

The Westinghouse Type DRI-VAR II industrial power factor correction capacitors are three phase, 60 Hz., 240, 480, and 600 volts, 2 through 100 KVAR. DRI-VARs are indoor, dustproof and outdoor weatherproof, general purpose for all types of power factor correction applications.

### Standards

DRI-VAR II capacitors meet or exceed all applicable requirements of NEMA and ANSI/IEEE for low voltage capacitors. In addition, DRI-VAR has been listed by UL.

### Specifications

Capacitor units—Individual capacitor "cells" are self-healing dry metallized polypropylene film dielectric with a surrounding insulation of dry, non-flammable, non-toxic expanded mica (vermiculite). These capacitor "cells" are connected internally to provide a three phase output. The capacitor case (enclosure) is gray painted steel with welded joints and a bolted, gasketed terminal cover. The DRI-VAR II is suitable for indoor dustproof and outdoor weatherproof installations in ambient temperature range of  $-40^{\circ}\text{C}$  to  $+46^{\circ}\text{C}$ . Each DRI-VAR capacitor is provided with discharge resistors connected between terminals to reduce the residual voltage to 50 volts or less within one minute of deenergization.

**Customer connections**—Threaded terminal studs with clamp type terminals are provided for line connections and a clamp type ground lug.

**Mounting**—DRI-VAR II capacitors have two integral mounting brackets, each with a 0.709 inch x 0.43 inch slot for customer mounting hardware.

**Testing**—Westinghouse DRI-VAR II meets or exceeds all applicable NEMA CP-1 and ANSI/IEEE-18 design and production test requirements for low voltage power capacitors. In addition, DRI-VAR has passed the complete UL fault test series, and is UL listed.

For further information, refer to DB 39-215 and PL 39-210.



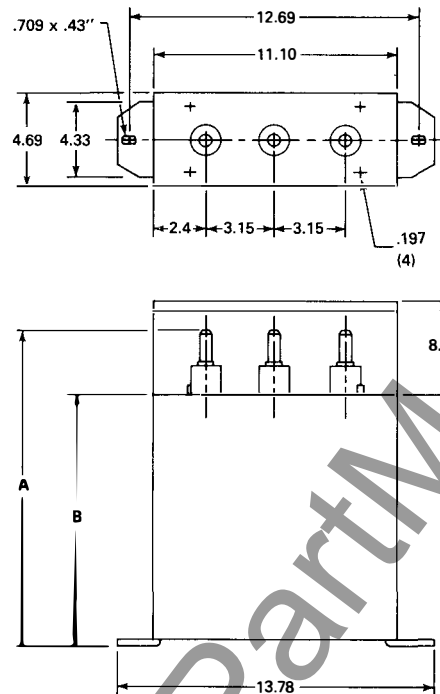
DRI-VAR II, with and without terminal enclosure

## DRI-VAR II Industrial Power Capacitors DRI-VAR II, 3 Phase, 60 Hz, Capacitors Selector Guide

### DRI-VAR II Capacitors, 3 Phase, 60 Hz, Indoor/Outdoor

| KVAR | 240 Volt<br>IN05250 | 480 Volt<br>IN05490 | 600 Volt<br>IN05610 |
|------|---------------------|---------------------|---------------------|
| 2    | .....               | 1N05490A03          | .....               |
| 2.5  | 1N05250A05          | 1N05490A05          | .....               |
| 3    | .....               | 1N05490A07          | .....               |
| 4    | .....               | 1N05490A09          | .....               |
| 5    | 1N05250A11          | 1N05490A11          | 1N05610A11          |
| 6    | .....               | 1N05490A13          | .....               |
| 7.5  | 1N05250A15          | 1N05490A15          | 1N05610A15          |
| 10   | 1N05250A17          | 1N05490A17          | 1N05610A17          |
| 15   | 1N05250A19          | 1N05490A19          | 1N05610A19          |
| 20   | 1N05250A21          | 1N05490A21          | 1N05610A21          |
| 25   | 1N05250A23          | 1N05490A23          | 1N05610A23          |
| 30   | 1N05250A25          | 1N05490A25          | 1N05610A25          |
| 35   | .....               | 1N05490A27          | 1N05610A27          |
| 40   | 1N05250A29          | 1N05490A29          | 1N05610A29          |
| 45   | .....               | 1N05490A31          | 1N05610A31          |
| 50   | 1N05250A33          | 1N05490A33          | 1N05610A33          |
| 60   | 1N05250A35          | 1N05490A35          | 1N05610A35          |
| 75   | .....               | 1N05490A39          | 1N05610A39          |
| 100  | .....               | 1N05490A45          | 1N05610A45          |

### Dimensions (inches)



### DRI-VAR II Optional Line Fuse Kits

National Electrical Code, Article 460, requires capacitor installations be provided with overcurrent protection in **each** ungrounded conductor. If, in addition to this requirement, a user wishes to mount fuses at the capacitors, line fuse kits are available per table below. **These line fuse kits do not substitute for the NEC overcurrent protection requirements.** Each kit contains two fuses, mounting hardware, and instructions.

### Optional Fuse Kits, Selection Chart Style Number 3907B48

| KVAR | 240V | 480V | 600V |
|------|------|------|------|
| 2    | ..   | G17  | ..   |
| 2.5  | G17  | G17  | ..   |
| 3    | ..   | G17  | ..   |
| 4    | ..   | G17  | ..   |
| 5    | G17  | G17  | G17  |
| 6    | ..   | G17  | ..   |
| 7.5  | G18  | G17  | G17  |
| 10   | G18  | G17  | G17  |
| 15   | G19  | G18  | G17  |
| 20   | G20  | G18  | G18  |
| 25   | G20  | G19  | G18  |
| 30   | G21  | G19  | G18  |
| 35   | ..   | G19  | G19  |
| 40   | G23  | G20  | G19  |
| 45   | ..   | G20  | G19  |
| 50   | G24  | G20  | G20  |
| 60   | ..   | G21  | G20  |
| 75   | ..   | G22  | G21  |
| 100  | ..   | G24  | G23  |

| Style Number   | 240 Volt<br>KVAR | Dimensions |       | Approx.<br>Wt. Lbs. |
|----------------|------------------|------------|-------|---------------------|
|                |                  | A          | B     |                     |
| 1N05250A05-A17 | 2.5-10.0         | 9.65       | 7.09  | 13.2                |
| 1N05250A19     | 15.0             | 11.61      | 9.06  | 16.5                |
| 1N05250A21     | 20.0             | 13.19      | 10.63 | 19.8                |
| 1N05250A23     | 25.0             | 15.55      | 13.00 | 24.3                |
| 1N05250A25     | 30.0             | 19.09      | 16.54 | 28.7                |
| 1N05250A29     | 40.0             | 20.67      | 18.11 | 33.0                |
| 1N05250A33     | 50.0             | 24.21      | 21.65 | 39.7                |
| 1N05250A35     | 60.0             | 28.15      | 25.59 | 48.5                |

| Style Number   | 480 Volt<br>KVAR | Dimensions |       | Approx.<br>Wt. Lbs. |
|----------------|------------------|------------|-------|---------------------|
|                |                  | A          | B     |                     |
| 1N05490A03-A21 | 2.0-20.0         | 9.65       | 7.09  | 13.2                |
| 1N05490A23-A25 | 25.0-30.0        | 11.61      | 9.06  | 16.5                |
| 1N05490A27-A29 | 35.0-40.0        | 13.19      | 10.63 | 19.8                |
| 1N05490A31-A33 | 45.0-50.0        | 15.55      | 13.00 | 24.3                |
| 1N05490A35-A39 | 60.0-75.0        | 19.09      | 16.54 | 28.7                |
| 1N05490A41     | 80.0             | 20.67      | 18.11 | 33.0                |
| 1N05490A43-A45 | 90.0-100.0       | 24.21      | 21.65 | 39.7                |

| Style Number   | 600 Volt<br>KVAR | Dimensions |       | Approx.<br>Wt. Lbs. |
|----------------|------------------|------------|-------|---------------------|
|                |                  | A          | B     |                     |
| 1N05610A03-A19 | 2.0-15.0         | 9.65       | 7.09  | 13.2                |
| 1N05610A21     | 20.0             | 11.61      | 9.06  | 16.5                |
| 1N05610A23-A25 | 25.0-30.0        | 13.19      | 10.63 | 19.8                |
| 1N05610A27     | 35.0             | 15.55      | 13.00 | 24.3                |
| 1N05610A29-A33 | 40.0-50.0        | 19.09      | 16.54 | 28.7                |
| 1N05610A35-A37 | 60.0-70.0        | 20.67      | 18.11 | 33.0                |
| 1N05610A39-A43 | 75.0-90.0        | 24.21      | 21.65 | 39.7                |
| 1N05610A45     | 100.0            | 32.09      | 29.53 | 57.3                |

### Optional 480 Volt, Indoor Blown Fuse Indicating Light Kits

Lights indicate the operation of the capacitor-mounted fuse kits. Each kit contains two neon lights and instructions.

### Style Number 4596B02G03

### Optional Wall Mounting Bracket

### Style Number 4905B89H01

(For 2-100 kVAR, all voltages, no hardware included)

