



Westinghouse Electric Corporation
T&D Components Division
Bloomington, Indiana 47401

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75-600 KVAR
240, 480, 600 Volts
3 Phase, 60 Hz
Large Banks for Bulk Power
Factor Correction
Indoor/Outdoor
Dustproof/Weatherproof

DRI-VAR II Fixed Banks Power Capacitors

Dry Metallized Dielectric

Description

The Westinghouse DRI-VAR II Fixed Capacitor Banks are three phase, 60 hz., 240, 480, and 600 volts, and 75 through 600 KVAR. DRI-VAR II Fixed Banks are indoor dust-proof/outdoor weatherproof for power factor correction of larger motors and fixed correction of distribution feeders on power centers, control centers, etc.

Standards

DRI-VAR Fixed Banks meet or exceed all applicable requirements of NEMA and ANSI/IEEE for low voltage capacitors.

Specifications

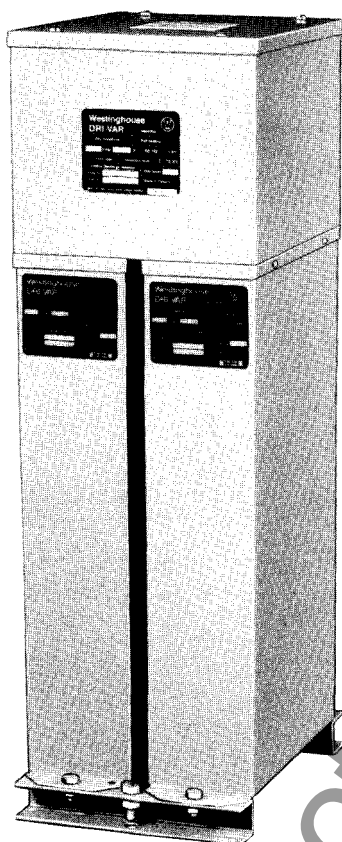
Capacitor Units – The three phase capacitor units consist of individual capacitor "cells" which are self-healing dry metallized polypropylene film dielectric with a surrounding insulation of dry, non-flammable, non-toxic, expanded mica (vermiculite). These capacitor "cells" are connected internally to provide a three phase output. The three phase capacitor case is gray painted steel with welded joints. Each three phase capacitor unit is provided with discharge resistors connected between terminals to reduce the residual voltage to 50 volts or less within one minute of deenergization.

Enclosure – Three phase capacitor units are bussed together in parallel to provide a three phase bank. The assembly is provided with a gray painted steel terminal enclosure and a gasketed bolted cover. The enclosure is suitable for applications in ambient temperature range of -40°C to $+40^{\circ}\text{C}$.

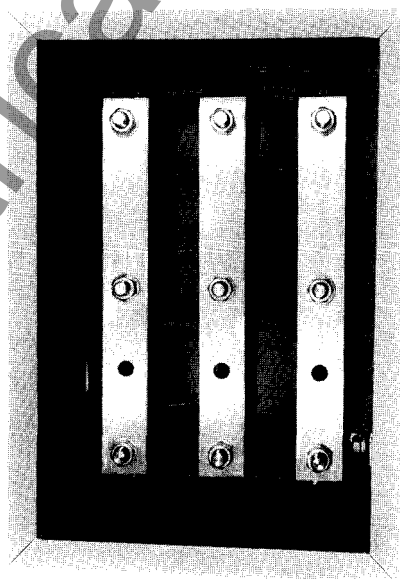
Customer Connections – Each phase bus section has 0.55 inch diameter holes for customer line lead terminals. Also, a ground stud is provided on the inside of the terminal enclosure and a groundbolt on the mounting channel.

Mounting – Channel brackets for floor mounting are provided with 0.59 inch drilled holes for customer mounting hardware.

Testing – Westinghouse DRI-VAR II Fixed Bank capacitors meet all applicable NEMA CP-1 and ANSI/IEEE-18 design and production test requirements for low voltage capacitors.



Typical 2 Unit DRI-VAR II Fixed Bank



Typical 3 Unit Bus Arrangement

DRI-VAR II Fixed Capacitor Banks

DRI-VAR II Fixed Banks Selector Guide and Dimensions 240, 480, 600 Volts

Style Number	KVAR	No. & KVAR of Units	Dimensions (Inches)			Net Wt., (Lbs.)
			A	B	C	
240 Volt						
1N05246A05	75	1-25, 1-50	10.23	31.89	5.51	86
1N05246A07	100	2-50	10.23	31.89	5.51	101
1N05246A09	125	1-25, 2-50	15.75	31.89	11.02	137
1N05246A11	150	3-50	15.75	31.89	11.02	152
480 Volt						
1N05486A09	125	1-50, 1-75	10.23	26.77	5.51	75
1N05486A11	150	2-75	10.23	26.77	5.51	79
1N05486A13	175	1-75, 1-100	10.23	31.89	5.51	90
1N05486A15	200	2-100	10.23	31.89	5.51	101
1N05486A17	250	1-50, 2-100	15.75	31.89	11.02	137
1N05486A19	300	3-100	15.75	31.89	11.02	152
1N05486A23	400	4-100	21.25	31.89	11.02	203
600 Volt						
1N05606A09	125	1-50, 1-75	10.23	31.89	5.51	90
1N05606A11	150	2-75	10.23	31.89	5.51	101
1N05606A13	175	1-75, 1-100	10.23	39.76	5.51	119
1N05606A15	200	2-100	10.23	39.76	5.51	137
1N05606A17	250	1-50, 2-100	15.75	39.76	11.02	176
1N05606A19	300	3-100	15.75	39.76	11.02	205

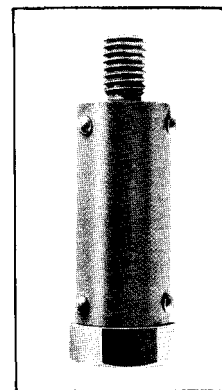
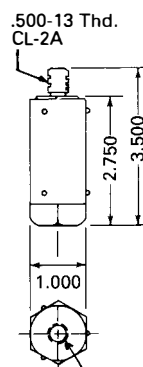
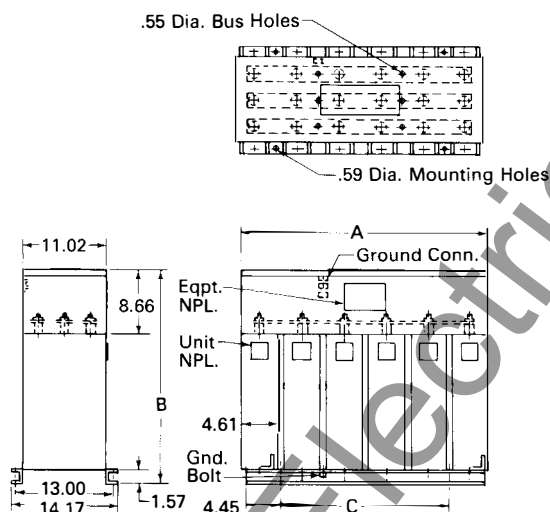
Optional Line Fuse Kits

National Electrical Code, Article 460, requires capacitor installations be provided with overcurrent protection in **each** ungrounded conductor. If, in addition to this requirement, 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.**

DRI-VAR II Fixed Banks, Line Fuse Kits

Each line fuse kit contains 2 – 600 Volt Type CLN current limiting fuses. Each individual capacitor unit in a fixed bank requires one fuse kit (e.g. 1N05486A17, 250 KVAR, requires 1 – 3907B48G20, and 2 – 3907B48G24 kits).

KVAR	240 Volt	480 Volt	600 Volt
25	3907B48G20	N/A	N/A
50	3907B48G24	3907B48G20	3907B48G20
75	N/A	3907B48G22	3907B48G21
100	N/A	3907B48G24	3907B48G23



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