

GENERAL FEATURES

OVERLOAD CAPACITY

Because of their conservative ratings and the use of POWERKOTE coils, POWERSTAT Variable Transformers can safely handle many overloads. The "on" curve in Figure A shows the maximum time the units can be subjected to various overloads. When used with repetitive overloads, the units must also be allowed sufficient "off" time as indicated by the "off" curve to prevent excessive temperature buildup. Where the "on" time desired for a repetition overload is less than the maximum shown, the "off" time can be reduced in accordance with the following equation:

$$\frac{\text{OFF TIME}}{\text{ON TIME}} = \left(\frac{\text{OVERLOAD CURRENT}}{\text{RATED CURRENT}} \right)^2 - 1$$

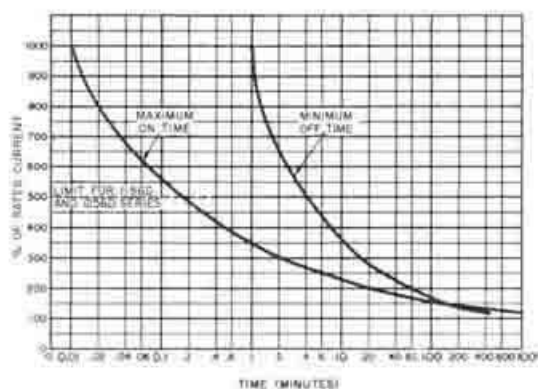


FIGURE A

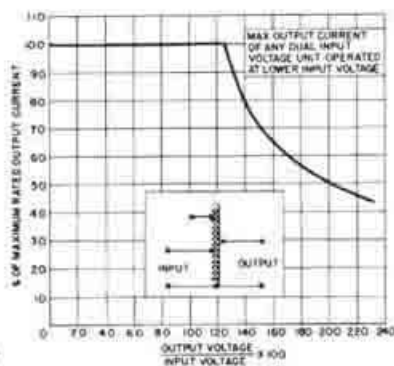


FIGURE B

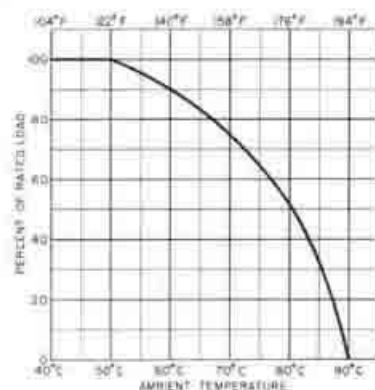


FIGURE C

TYPE NUMBER DESIGNATIONS

EXAMPLE:

5M116CU-2

5-Second Motor-Driven

Series

Units in Ganged Assembly

Open Construction

SERIES UNIT RATINGS

SERIES	VOLTS*	MAX. AMPERES*	
		CONSTANT CURRENT	CONSTANT IMPEDANCE
10C	120	2.25	3
21	120	5	7
115C	120	10	13
117C	120	12	15
126	120	15	20
136B	120	22	28
146	120	30	35
1156D	120	50	55
12	240	0.7	0.9
22	240	2.25	3.25
216C	240	3.5	5
217C	240	5	7
226	240	7.5	10
236B	240	10	13
246	240	15	19
1256D	240	28	28

*Nominal ratings. Vary with enclosure, mounting and special windings.

PREFIXES

PREFIX	DESCRIPTION
3PN	3-Wire Cord Receptacle
5M	5-Second Motor Drive
15M	15-Second Motor Drive
30M	30-Second Motor Drive
60M	60-Second Motor Drive
DM	Adjustable/Digital Motor Drive
F	Fused with Terminal Box
LW	Isolated Secondary Series
L	Enclosed Series

SUFFIXES

SUFFIX	DESCRIPTION
-2 to -27	Units in Ganged Assembly
X	220V, 50 Hertz Motor Drive
-40	40-Volt Series
T	Terminal Enclosure
UT	Open Construction
D	Open-Delta
P	Parallel
PS	Series-Parallel
S	Series
Y	Wye

*10C, 12 and 21-22 Series units are of open construction only but do not use a U prefix.



3PN 120-VOLT TYPES



3PN 240-VOLT TYPES



T (Terminal Enclosed) TYPES



F (Fused) TYPES