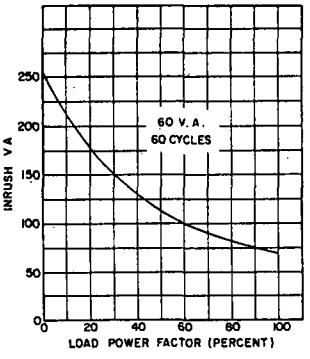
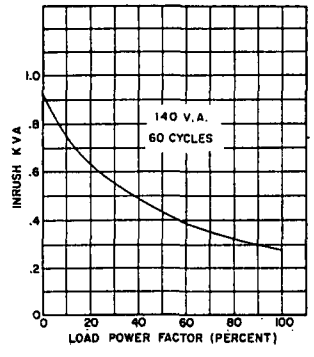
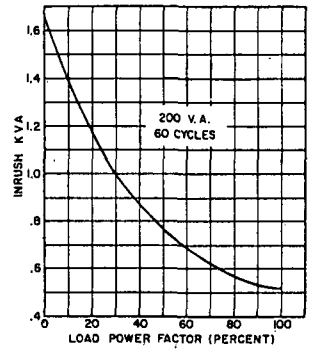
MOTOR and WIRE RATING DATA

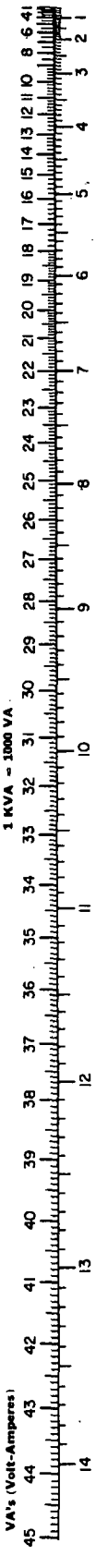
Control Circuit Transformers Calculation Chart and Inrush Curves

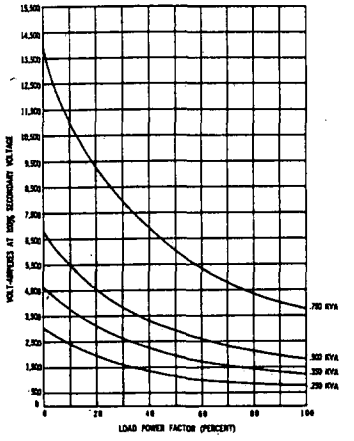


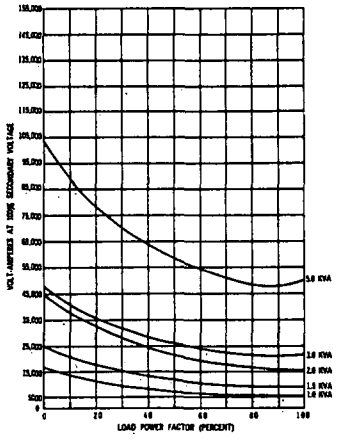












INSTRUCTIONS FOR CHART

The chart consists of the three scales on this page. To calculate VA place one end of a straight edge on the VAR scale (left) and the other end on the WATTS scale (right). Read VA where the straight edge intersects the VA scale* (center). Read numbers from either the left of each scale or the right. **Do not use both left and right figures for a single calculation.**
Scales may be multiplied by 10 or 100, etc.

*This chart solves the equation

$$VA = \sqrt{(VAR^2) + (WATTS^2)}$$

Note: (A) If these curves are used for 50 cycles, secondary voltage drop will be 5% or less.
(B) All transformers listed through 5 KVA include 5% voltage compensation at No Load in accordance with NEMA standards.

