

HOW TO CALCULATE THE REQUIRED KVA SIZE NEEDED FOR A D-M-E SINGLE PHASE POWER TRANSFORMER

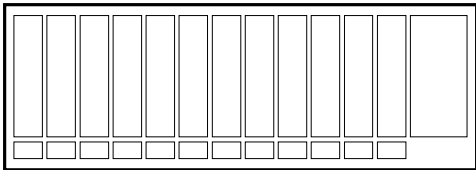
1. What is total wattage? _____

2. Sizing the fuse for the transformer is:

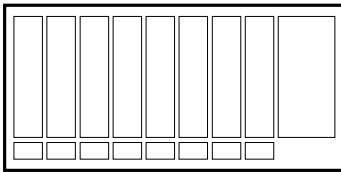
$$\text{Amps} = \text{Total Wattage} / \text{Voltage}$$
 _____ Amp Fuses

**MAINFRAME PHASING
PHASES TO
APPLIED ZONES**

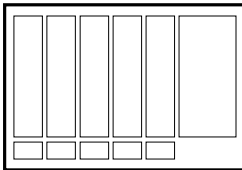
L1 - L2 ALL ZONES



12 zone



8 zone



5 zone

Add all zones wattages to give total watts

Example:

Total wattage = 1200 + 600 + 340 + 550 + 750 + 1000 + 1200 = 5640 W

Requires min. of 5.64 KVA transformer.

Rounding to next available = 6 KVA

Fuse for transformer legs =

$5,640 \text{ W} / 240 \text{ V} = 23.5 \text{ Amp fuse}$

Rounding to next available = 25 Amp *

*Note: 50 Amps max. for 50 Amp circuit breakers, 70 Amps max. for 70 Amp circuit breakers.
 6 KVA, 9 KVA & 15 KVA transformers are standard sizes available.
 Other transformer sizes available on special request.