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:
   Amps = Total Wattage / Voltage
   ______________ Amp Fuses

MAINFRAME PHASING
PHASES TO
APPLIED ZONES

L1 - L2 ALL ZONES

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 W / 240 V = 23.5 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.