

# POTENTIAL TRANSFORMERS

## LOW VOLTAGE POTENTIAL TRANSFORMER

MODEL 475

### FEATURES

- Frequency ..... 60Hz
- Standard Secondary Voltage ..... 120 Volts
- Insulation Level ..... 0.6kV, 10kV BIL Full Wave
- Accuracy Class ..... 0.3 W, 0.6X, and 1.2 M.
- Thermal Rating ..... 300 VA at 30°C amb.  
200 VA at 55°C amb.
- Approximate Weight ..... 12.5 Lbs.

### 600V CLASS

All models on this page



\* All models approved for Revenue Metering by Industry Canada AE-1051



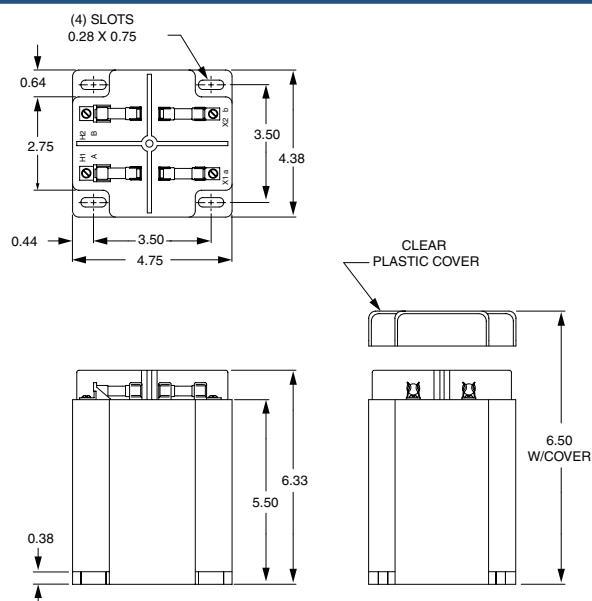
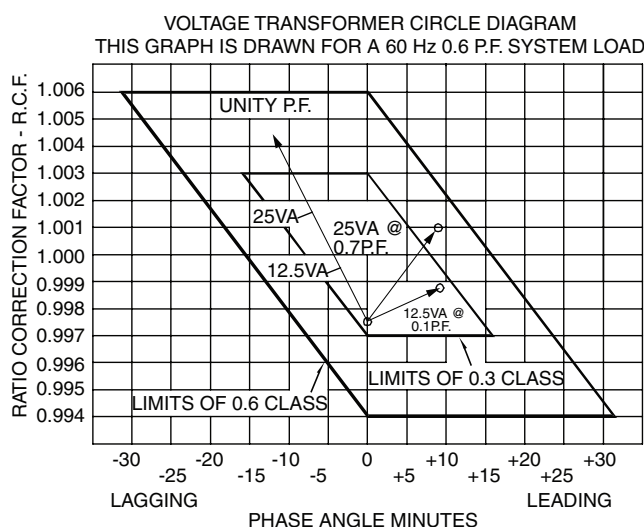
### SPECIFICATIONS

- The primary and secondary terminals are #8 brass screws, one lock washer and one flat washer.
- The core and coil assembly is encased in a thermoplastic shell and filled with resin.
- These transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral, at reduced voltage, (58% of rated volts).
- It is desirable to use a 3.0 amp BBS type fuse in the secondary to protect the transformer.

APPLICATION AND ORDERING DATA					
CATALOG NUMBER			VOLTAGE RATING	TURNS RATIO	PRIMARY FUSE RATING
NOT FUSED	1-FUSE	2-FUSES			
475-069	475-069F	475-069FF	69.3:120	0.58:1	10A
475-120	475-120F	475-120FF	120:120	1:1	6A
475-208	475-208F	475-208FF	208:120	1.73:1	4A
475-240	475-240F	475-240FF	240:120	2:1	4A
475-277	475-277F	475-277FF	277:120	2.31:1	4A
475-288	475-288F	475-288FF	288:120	2.4:1	3A
475-300	475-300F	475-300FF	300:120	2.5:1	3A
475-346	475-346F	475-346FF	346:120	2.88:1	3A
*475-480	*475-480F	*475-480FF	480:120	4:1	2A
*475-600	*475-600F	*475-600FF	600:120	5:1	1.5A

- With six exceptions these transformers are ANSI C57.13 group 1. Those marked \* are group 2.
- IEC Rated models are available.
- When primary fuses are requested, the ratings will be as given in the table.
- This page contains a circle diagram for the estimation of the errors for other than rated burdens.
- When only one fuse is used, it must be connected into the line side (H1) terminal wiring. This will prevent the presence of voltage at the H1 terminal for a ruptured fuse in the neutral (H2) terminal wiring for line-to-neutral connected transformers.

### DIMENSIONS



All Dimensions In Inches

**FLEX-CORE®**

Div. Morlan & Associates, Inc.

4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM

sales@flex-core.com

PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538