INDOOR VOLTAGE TRANSFORMER

Model PT6-2-125
ANSI Groups 1 & 2

REGULATORY AGENCY APPROVALS

E145172 LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.
Classified by U.L. in accordance with IEC 44-2

ACCURACY CLASS:
0.3 WXMYZ, 1.2ZZ at 100% rated voltage with 120V based ANSI burden.
0.3 WXMY, 1.2Z at 58% rated voltage with 69.3V based ANSI burden.

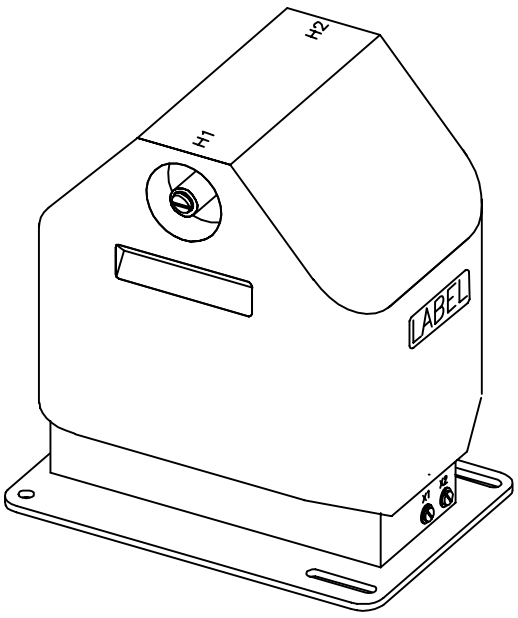
FREQUENCY
60 Hz.

MAXIMUM SYSTEM VOLTAGE:
25.5 kV, BIL 125kV full wave.

THERMAL RATING:
1500 VA at 30°C. amb.
1000 VA at 55°C. amb.

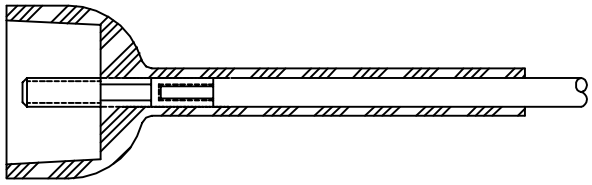
WEIGHT:
Approximately 125 lbs.

Approved for revenue metering in Canada by Industry Canada, Approval No. AE-0676

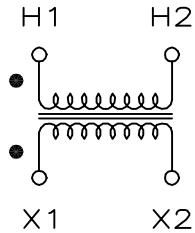


TWO BUSHING

- Primary terminals are 3/8-16 brass screws with one flatwasher and lockwasher.
- Secondary terminals are 1/4-20 brass screws with one flatwasher and lockwasher.
- The core and coil assembly is vacuum encapsulated in polyurethane resin.
- The transformers are tested for partial discharge to Canadian Standards CAN 3-C13-M83. This test can also be carried out to IEC requirements if requested.
- Thermal burden rating is for 120 volt secondaries.
- Plated steel mounting base.
- Primary fuses are not supplied, but are recommended. Use 25kV, 0.5E rated fuse for primary ratings of 13000 volts or greater and 1.0e for those rated less than 13000 volts. *
- A test card is provided with each unit.



- Suggested primary terminal kit No. 0882B06446 is available at extra cost.
  (Includes 2 each 3/8-16 terminals, terminal boots and 48" of No.6, 15kV lead wire. Order above kit as a separate item.)



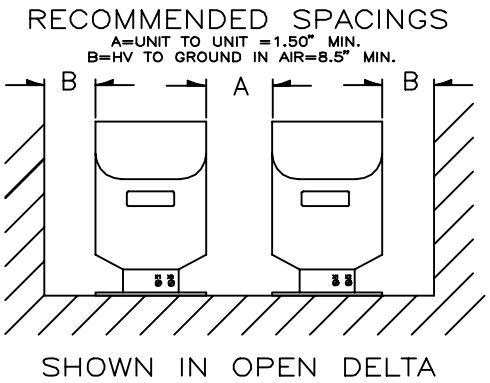
GROUP	PRIMARY VOLTAGE (a)	RATIO	SECONDARY VOLTAGE	CATALOG NUMBER
1	12000	100:1	120	PT6-2-125-123
1	14400	120:1	120	PT6-2-125-1442
2	18000	150:1	120	PT6-2-125-183
2	21000	175:1	120	PT6-2-125-213
2	23000	191.7:1	120	PT6-2-125-233
2	24000	200:1	120	PT6-2-125-243
2	25000	208.3:1	120	PT6-2-125-253

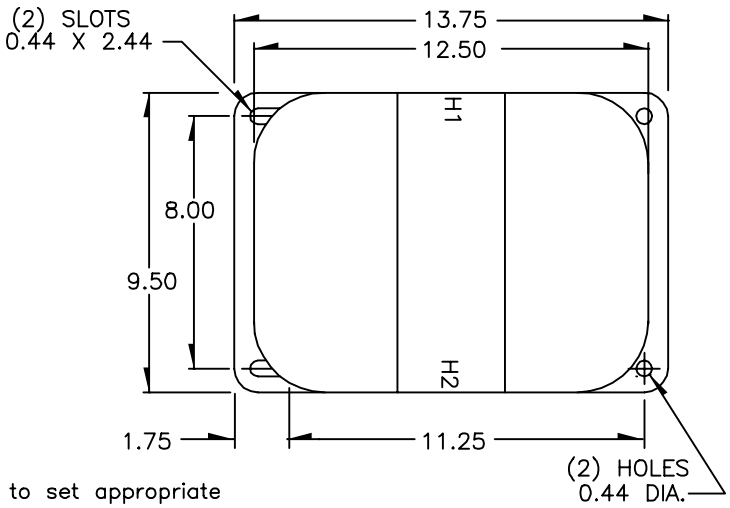
(a) Also available are other ratios and frequencies, double secondaries and units meeting IEC 44-2 rated voltage factors of 1.20 or 1.50.

* SEE PAGE 4, Primary Fuse Rating

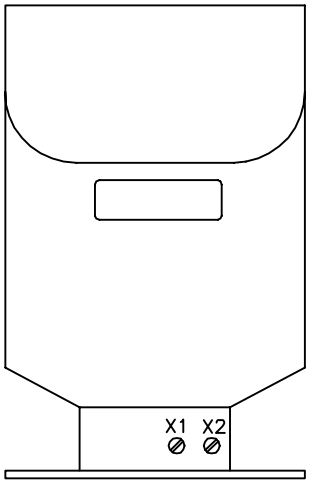
NOTE: It is recommended the system line-to-line voltage not exceed the transformer maximum system voltage level.

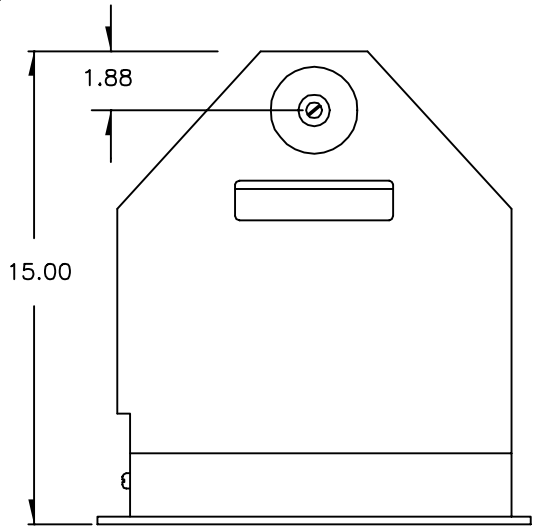
PT6-2-125





Recommended spacings are for guidance only. User needs to set appropriate values to assure performance for: high potential test; impulse test; high humidity; partial discharge; high altitude; and other considerations like configuration.





CIRCLE DIAGRAM

The circle diagram can be used to predict the performance of a transformer for various loads and power factors. A convenient scale of volt–amperes is shown on the unity power factor line (u.p.f.) and commences at the zero or no–load locus. To use the diagram, measure the known V.A. and scribe an arc about the "zero" locus of a length that contains the angle of the burden power factor. The point at which the arc terminates is the error locus in phase angle minutes and ratio correction factor.