

# Model 3VTN460

## 3 Phase Voltage Transformer For Line to Neutral Connection



### Frequency

60 Hz.

### Standard Secondary Voltage

120 Volts line-to-neutral

### Insulation Level

600 Volt, 10 kV BIL full wave.

### Accuracy Class: (Per Phase)

0.6 W, 1.2 X at 60 Hz.

### Thermal Rating: (Per Phase)

150 VA at 30 °C. amb.,  
100 VA at 55 °C. amb.

The primary and secondary terminals are No. 8-32 screws into 1/2" deep brass inserts and fitted with one lockwasher and flatwasher.

Approximate weight 24 lbs.



Clear Plastic Cover

### REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.  
Classified by U.L. in accordance with IEC 44-1

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Catalog Number		Line to Neutral Voltage Rating	Turns Ratio	Rec. Primary Fuse Rating
Primary Fuses Only	Primary and Secondary Fuses			
3VTN460-069F*	3VTN460-069FF*	69.3:120	0.58:1	5.0
3VTN460-120F*	3VTN460-120FF*	120:120	1:1	4.0
3VTN460-240F*	3VTN460-240FF*	240:120	2:1	2.0
3VTN460-277F*	3VTN460-277FF*	277:120	2.31:1	2.0
3VTN460-300F*	3VTN460-300FF*	300:120	2.5:1	1.5
3VTN460-346F*	3VTN460-346FF*	346:120	2.88:1	1.5

### \* Fuse Ordering

Insert F after primary voltage rating for primary fuses, insert FF after primary voltage rating for primary and secondary fuses.

### Model 3VTN460

- Model 3VTN460 is an assembly of three transformers in one case.
- The core and coil assembly is encased in a thermoplastic shell and filled with resin
- These transformers are designed for operation line to neutral.
- Spacing between live parts per U.L. 1558.
- Primary fuses are current limiting, 200kA interrupting capacity, incorporating a rejection feature, typically (class CC ) KTK–R type.
- It is desirable to use a 1.6 amp BBS type or equal fuse in the secondary to protect the transformer.
- Only ground N/n terminals if source is 3 phase, 4 wire effectively grounded.
- See page 7 of this section for a circle diagram for the estimation of the errors for other than rated burdens. See page 27 in this section for a description of its use.
- The transformer has a clear plastic cover.

