

# MODELS CPTD7-150-25 & CPTD7-150-37.5 & CPTD7-150-50

## Medium Voltage Control Power Transformer



### Application

To provide control power in medium voltage switchgear.

### Frequency

60 Hz.

### Insulation Level

34.5 kV, 150 kV BIL full wave.

### Thermal Rating

25 kVA at 30°C ambient.

21.5 kVA at 55°C ambient.

37.5 kVA at 30°C ambient.

32.2 kVA at 55°C ambient.

50 kVA at 30°C ambient.

42.9 kVA at 55°C ambient. 80°C rise.

### Characteristics

Primary terminals are 3/8-16 inserts. Secondary terminals are 1/2-13 brass studs.

Supplied with taps on primary side:

Cat. suffix A  $\pm 7 \frac{1}{2}\%$  taps or

Cat. suffix B  $\pm 2 \frac{1}{2}\%$  taps

Windings are encapsulated in epoxy resin.

Mounting base is steel.

Assembly is varnish coated.

Available as unfused only.

Self cooled.

For indoor use.

Approximate weight 750 lbs.

### Models CPTD7-150-25 & CPTD7-150-37.5 & CPTD7-150-50

| **CATALOG NUMBER    |                       |                     | PRIMARY VOLTAGE | VOLTAGE RATIO | SECONDARY VOLTAGE |
|---------------------|-----------------------|---------------------|-----------------|---------------|-------------------|
| 25 kVA              | 37.5 kVA              | 50 kVA              |                 |               |                   |
| CPTD7-150-25 1992** | CPTD7-150-37.5-1992** | CPTD7-150-50-1992** | 19920 V         | 166:1         | 120/240 V         |
| CPTD7-150-25-2762** | CPTD7-150-37.5-2762** | CPTD7-150-50-2762** | 27600 V         | 230:1         | 120/240 V         |
| CPTD7-150-25-2882** | CPTD7-150-37.5-2882** | CPTD7-150-50-2882** | 28800 V         | 240:1         | 120/240 V         |
| CPTD7-150-25-3452** | CPTD7-150-37.5-3452** | CPTD7-150-50-3452** | 34500 V         | 287.5:1       | 120/240 V         |

\*Note all fuse rating are based on NEC transformer overcurrent protection recommendations. Specific applications may require other other ratings.

\*\*For  $1 \pm 7 \frac{1}{2}\%$  taps use suffix "A" after Catalog No.

\*\*For  $2 \pm 2 \frac{1}{2}\%$  taps use suffix "B" after Catalog No.

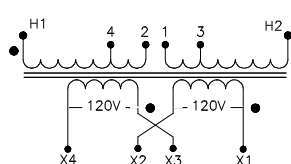


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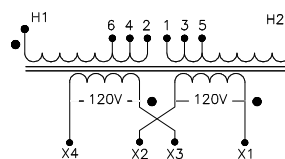
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### Connection Diagrams



| PRIMARY VOLTS | CONNECT |
|---------------|---------|
| 107.5%        | 1 - 2   |
| 100%          | 2 - 3   |
| 92.5%         | 3 - 4   |

1  $\pm 7\frac{1}{2}\%$  PRIMARY TAPS  
SUFFIX "A"



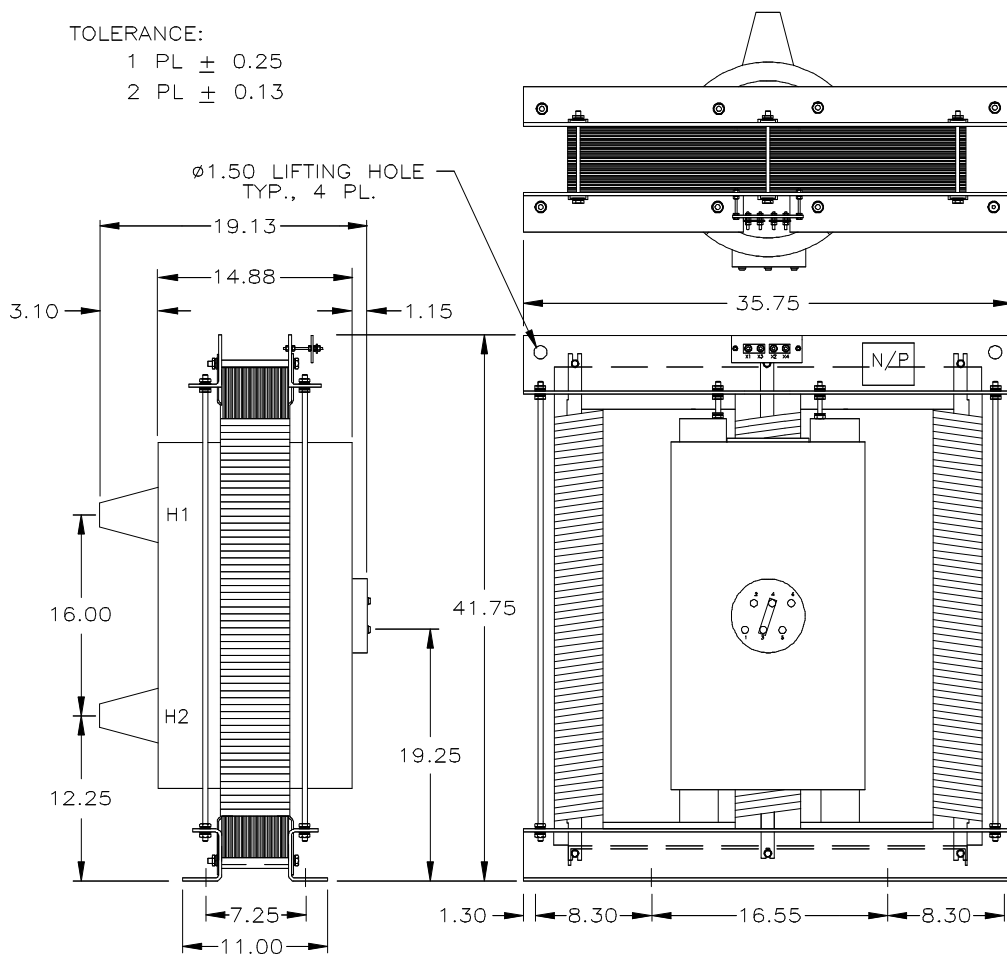
| PRIMARY VOLTS | CONNECT |
|---------------|---------|
| 105%          | 1 - 2   |
| 102.5%        | 2 - 3   |
| 100%          | 3 - 4   |
| 97.5%         | 4 - 5   |
| 92.5%         | 5 - 6   |

2  $\pm 2\frac{1}{2}\%$  PRIMARY TAPS  
SUFFIX "B"

TOLERANCE:

1 PL  $\pm 0.25$

2 PL  $\pm 0.13$



For more information, visit  
[gevernova.com/grid-solutions](http://gevernova.com/grid-solutions)

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English  
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