ENTRERING SIDE ACCESS POINT

APPROXIMATE CENTER OF GRAVITY

APPROXIMATE ACCESS POINT

ENTERING BOTTOM ACCESS POINT

TRANSFORMER SPECIFICATION

75 KVA 3 PHASE 60 HERTZ
PRIMARY VOLTAGE: 480 DELTA
SECONDARY VOLTAGE: 208Y/120
150°C RISE ABOVE 40°C AMBIENT
220°C INSULATION SYSTEM ALUMINUM WINDING
APPROXIMATE WEIGHT: 515 LBS
GUARANTEED SOUND LEVEL: 45 dB
TYPE 2 ENCLOSURE PAINTED ANSI 49 GREY
MINIMUM EFFICIENCY 98.60% @ 35% LOADING 75°C
COMPLYING WITH DOE 2016-10
CFR 431 (78 FR 23335-APRIL 18, 2013)

LOW VOLTAGE DISTRIBUTION TRANSFORMER
DOE 2016
DRY TYPE TRANSFORMERS CATALOG NO EXN75TH
3 PHASE, 480 DELTA
SECONDARY 208Y/120, ALUMINUM

MARCH 2019

NOTES:
- ULus List TO UL 1561 AND C22.2No47, FILE NUMBER ES668
- ALL UNITS 100% TESTED PRIOR TO SHIPPING TO NEMA ST-20 (2014)
- MANUFACTURE IN ISO 9001 FACILITIES
- GREEN PREMIUM (RoHS/REACH COMPLIANT, PRODUCT ENVIRONMENT PROFILE)
- REGISTERED TO DOE VIA 10 CFR 429 & NRCAN
- MINIMUM CLEARANCE 1/2 INCH PER ALCOVE TESTING UL 1561. SIDES AND REAR FRONT ACCESS MUST COMPLY WITH NEC WORK SPACE REQUIREMENTS, MINIMUM CLEARANCE OF 6 INCHES.
- CONDUIT ENTRY AREA ARE SHOWN ABOVE, LOCATIONS ARE FRONT SIDES AND FRONT BOTTOM

SEISMIC QUANTIFICATION
TO BE COMPLIANT WITH THE SEISMIC REQUIREMENTS OF
ASCE/SEI 7, THIS UNIT IS SELF CERTIFIED TO ICS ES AC156,
BY SHAKE TABLE QUALIFICATION TESTING.
The enclosure above is 20M.

SEISMIC CENTER OF GRAVITY

APPROXIMATE CENTER OF GRAVITY

ENTERING SIDE ACCESS POINT

APPROXIMATE ACCESS POINT

ENTERING BOTTOM ACCESS POINT

MINIMUM CLEARANCE 1/2 INCH PER ALCOVE TESTING UL 1561. SIDES AND REAR FRONT ACCESS MUST COMPLY WITH NEC WORK SPACE REQUIREMENTS, MINIMUM CLEARANCE OF 6 INCHES.
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### Table: Voltage Taps

<table>
<thead>
<tr>
<th>Primary Voltage</th>
<th>2-2.5% FCAN</th>
<th>4-2.5% FCBN</th>
</tr>
</thead>
<tbody>
<tr>
<td>504</td>
<td>1</td>
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</tr>
<tr>
<td>492</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>468</td>
<td>4</td>
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</tr>
<tr>
<td>456</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>444</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Actual voltages & nameplate values may not match voltage in table.

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**Diagram:**

- **Low Voltage Distribution Transformer**
- **D.O.E 2016**
- **Dry Type Transformers Catalog No. EXN75T3H**
- **3 Phase, 480 Delta**
- **Secondary 208Y/120, Aluminum**

**Dimensions:**

- **Inches:** 8.56 [219], 10.06 [256], 5.12 [130], 6.00 [152], 3.88 [99], 6.19 [157], 21.92 [557], 14.73 [374], 14.98 [381],
- **Millimeters:** 218, 256, 130, 152, 99, 157, 557, 374, 381.