



# Totally Enclosed Non-Ventilated Transformers

*Suitable for adverse  
atmospheric conditions*

Totally Enclosed Non-Ventilated (TENV) transformers are highly suitable for adverse atmospheric conditions. They are built to restrict unintentional circulation of external air through the enclosure. TENV are ideal in areas where conductive, combustible or corrosive materials such as lint, dust or dirt are present.

## Specifications

- Aluminum or copper
- Ratings from 15 to 333kVA single phase and 9 to 750kVA three phase
- Excluded from DOE 2016 and NRCAN 2019 efficiency standards
- Type 4, 4X and 12 enclosures
- Drilling or marine duty options
- Custom sizes, ratings and styles available

## Applications



Food  
Processing



Foundry



Pulp & Paper



Textile  
Manufacturing



Chemical  
Processing



## Part Number Guide

### Non-Ventilated Transformers

Example

Phase	kVA			Primary Voltage	Secondary Voltage	Winding Material	Temperature Rise	Enclosure
MK	0	1	5	B	E	C	F	K
<b>Phase:</b> MF - Single Phase MK - Three Phase  <b>kVA:</b> kVA Rating				<b>Primary Voltage:</b> 1PH B 208 F 277 H 416 L 240x480 P 600		<b>Secondary Voltage:</b> 3PH B 208D D 240D K 480D P 600D  <b>Winding Material:</b> A - Aluminum C - Copper	<b>Temperature Rise:</b> B 80°C F 115°C H 150°C N 130°C	<b>Enclosure:</b> D Type 3RE E Type 3RX F Type 4 G Type 4X (304SS) H Type 4X (316SS) K Type 12

### K-Factor Non-Ventilated Transformers

Example

Phase	K Factor			kVA			Primary Voltage	Secondary Voltage	Winding Material	Enclosure
MT	0	4	K	0	7	5	P	B	S	K
<b>Phase:</b> MT - Three Phase  <b>K Factor:</b> 04K = K Factor 4 13K = K Factor 13 20K = K Factor 20 30K = K Factor 30				<b>kVA:</b> kVA Rating			<b>Primary Voltage:</b> 3PH K 480D P 600D  <b>Secondary Voltage:</b> 3PH B 208Y/120	<b>Winding Material:</b> S - Aluminum K - Copper	<b>Enclosure:</b> D Type 3RE E Type 3RX F Type 4 G Type 4X (304SS) H Type 4X (316SS) K Type 12	

## Optional Type 4 & 12 Stainless Steel Enclosures

Optional type 4 and 12 enclosures are available in either type 304 or 316 stainless steel in accordance with ANSI, NEMA, UL and ABS requirements for indoor, outdoor and marine duty applications.

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