

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**

TOTALLY ENCLOSED NON-VENTILATED TRANSFORMER



Part Number Guide

Example

Non-Ventilated Transformers

Phase					kVA		Pri. Volt.	Sec. Volt.	Winding Material	Temperature Rise	Enclosure	
MK		0	1	5	0	K	B			0	K	
Phase:					Pri. Volt:		Sec. Volt:			Temperature Rise:	Enclosure:	
MF - Single Phase					1PH		3PH		1PH	3PH	B 80°C	D Type 3RE
MK - Three Phase					B 208		B 208D		E 120/240	B 208Y/120	F 115°C	E Type 3RX
kVA:					F 277		D 240D		D 240D		H 150°C	F Type 4
kVA Rating					H 416		K 480D		K 480Y/277		N 130°C	G Type 4X (304SS)
					L 240X480		P 600D				H Type 4X (316SS)	
					P 600						K Type 12	
					Winding Material:							
					A - Aluminum							
					C - Copper							

Example

K-Factor Non-Ventilated Transformers

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

Optional Type 4 & 12 Stainless Steel Enclosure

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.