

# Dry Type Transformers

## Totally Enclosed, Nonventilated

### TENV

15-75kVA, Three-Phase, TP-1

Totally enclosed nonventilated (TENV) transformers are an excellent choice for applications where dry-type transformer benefits are desired but the standard enclosure openings are unacceptable because of adverse atmospheric conditions. TENV transformers are recommended where dust, dirt or lint may be present or where transformers are subject to sprays or controlled wash-down conditions. They are UL Listed through 75kVA for indoor or protected outdoor applications.

#### Advantages

- Dry-type transformer is housed in an enclosed NEMA 3R non-ventilated compartment
- Convenient wiring compartment is located beneath the transformer and has removable front and rear covers
- Copper bus bars are located at the front of the wiring compartment and are clearly labeled
- All electrical connections between the transformer and bus bars are factory wired
- Quiet performance – meets NEMA ST-20
- No-weld coil termination design – an industry first
- Comprehensive factory testing assures quality

#### Features

- Quiet design - unique core and coil design makes GE TENV transformers among the quietest available
- Core and coil assembly mounted on rubber isolation pads to reduce noise
- Bolted coil terminations are more reliable than welded terminations, and they eliminate weld failures and problems associated with welding and weld splatter
- 100% factory tested for shorts and coil integrity, current and loss, voltage, impedance and noise
- Qualified to the seismic requirements of IEEE-693-1997 and IBC-2003
- Copper ground strap
- Copper or aluminum windings available
- Available in 150°C, 115°C, and 80°C rise models
- Indoor or outdoor use

#### Applications

- Textile
- Automotive
- Foundry
- Paper mills
- Wash-down areas



TENV Transformer



TENV Transformer (front panel removed)



# Dry Type Transformers

## Totally Enclosed, Nonventilated

### TENV

Three-Phase TP-1

## Section 10

### Aluminum 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2,-4 2.5%)	370	XV372	9T85B3871
480	208Y/120	30	(+2,-4 2.5%)	450	XV373	9T85B3872
480	208Y/120	45	(+2,-4 2.5%)	670	XV374	9T85B3873
480	208Y/120	75	(+2,-4 2.5%)	815	XV375	9T85B3874

### Aluminum 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2,-4 2.5%)	370	XV372	9T85B3871G15
480	208Y/120	30	(+2,-4 2.5%)	450	XV373	9T85B3872G15
480	208Y/120	45	(+2,-4 2.5%)	670	XV374	9T85B3873G15

### Aluminum 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	30	(+2,-4 2.5%)	670	XV374	9T85B3872G80
480	208Y/120	45	(+2,-4 2.5%)	670	XV374	9T85B3873G80

### Copper 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2,-4 2.5%)	410	XV372	9T85C9871
480	208Y/120	30	(+2,-4 2.5%)	525	XV373	9T85C9872
480	208Y/120	45	(+2,-4 2.5%)	760	XV374	9T85C9873
480	208Y/120	75	(+2,-4 2.5%)	1000	XV375	9T85C9874

### Copper 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2,-4 2.5%)	410	XV372	9T85C9871G15
480	208Y/120	30	(+2,-4 2.5%)	525	XV373	9T85C9872G15
480	208Y/120	45	(+2,-4 2.5%)	760	XV374	9T85C9873G15
480	208Y/120	75	(+2,-4 2.5%)	1000	XV375	9T85C9874G15

### Copper 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2,-4 2.5%)	410	XV372	9T85C9871G80
480	208Y/120	30	(+2,-4 2.5%)	760	XV374	9T85C9872G80
480	208Y/120	45	(+2,-4 2.5%)	760	XV374	9T85C9873G80

