For more information on these products, order publications listed in Section 27.

—**Find What You Need Faster** - Page headings and table format make product selection easier.

—**Easy Cross Reference** - Frame size listed with each model number. Use frame size to cross-reference dimensions, enclosure parts, and accessories.

Dry Type Transformers
General Information

Types QB, QMS, QL, and TransforMore™
600 Volts and Below

General Information

The complete family of transformers from GE provide quiet, reliable transformer operation.

All of the dry-type transformers through 1,000 kVA are UL listed under the requirements of Standard 5085 and 1561. In addition, each transformer meets the requirements of NEMA ST-20, 1992. Type IP, QB and QMS models are C-UL listed.

General-purpose transformers are rated 600 Volts and below for supplying appliance, lighting, and power loads from electrical distribution systems. Standard distribution voltages are 600, 480, and 240 Volts; standard load voltages are 480, 240, 208, and 120 Volts. The transformer is used to obtain the load voltage from the distribution voltage. Since no vaults are required for installation, these transformers can be located right at the load to provide the correct voltage for the application. This eliminates the need for long, costly, low-voltage feeders.

Construction

Types QB and QMS

Core and coils are contained within a NEMA 3R nonventilated weatherproof enclosure. Type QB and QMS units feature encapsulated core and coils.

Type QL

Units are enclosed in a NEMA 2 drip-proof metal enclosure with natural-draft ventilation. Core-and-coil assembly is mounted on rubber isolation pads to reduce noise. Weathershield kits are available for conversion to a NEMA 3R enclosure suitable for outdoor service. NEMA 3R stainless steel (Type 316) enclosure is available up to 150kVA. To specify a stainless steel enclosure, substitute an "S" in the fifth character in the GE product number. Example: 9T83B3874 changes to 9T83S3874. **All QL model product numbers begin with 9T6, 9T7, 9T8, or 9T9.**

TransforMore™

Units utilize fan assisted cooling to achieve reduced size and improved efficiency. These units incorporate an audible alarm and shunt activated disconnect switch for improved safety. Weathershields are available to convert to NEMA 3R enclosure for outdoor service. **All TransforMore™ model product numbers begin with 9T4.**

Voltage Tap Arrangement

Transformer taps compensate for high or low line voltages. Standard NEMA, ANSI three-phase taps are two 5 percent taps below normal on transformers smaller than 30 kVA. This arrangement provides a 10 percent range of tap voltage adjustment.

Most standard QL units rated 15 through 300 kVA have available six universal voltage taps—four 2 1/2 percent below normal, and two 2 1/2 percent above normal. This arrangement provides a 15 percent range of tap voltage adjustment.

Temperature Class

Industry standards classify insulation systems in accordance with the rating system shown below.

Insulation System Classification

Ambient	+ Winding Rise	+ Hot Spot	= Temp. Class
40°C	55°C	10°C	105°C
40°C	80°C	30°C	150°C
40°C	115°C	25°C	180°C
40°C	150°C	30°C	220°C

All standard, general-purpose, GE transformers meet all applicable NEMA, ANSI, UL, and IEEE standards.

The design life of transformers having different insulation systems is the same, since the allowable temperature rise of an insulation material system is predicated on a specified life for all insulation. The lower temperature systems are designed for the same life as higher temperature systems.

Sound Levels

All general-purpose transformers are as quiet, or quieter than required by NEMA ST-20. Average sound levels are warranted not to exceed the values listed for each load rating shown in the adjacent table. Sound characteristics vary between transformers of identical voltage and kVA rating. The range of variation may be 4 to 8 decibels.

These values apply only to specified test conditions because the characteristic of the installation can cause them to be higher under operating conditions. Where acoustical noise is deemed to be of unusual concern, proper steps should be taken during installation to minimize audible noise transmission.

TransforMore™ sound levels are ≤67dB and meet specs in the table below when the fans are off and the transformer is operating at less than 50% rated load.

Sound Levels (Decibels)[1] for 150°C Rise Models

kVA	Sound Levels
0 - 9	40
10 - 50	45
51 - 150	50
151 - 300	55
301 - 500	60

[1]Measured per NEMA ST-20.

Dry Type Transformers
General Information

Types QB, QMS, QL, and TransforMore™
600 Volts and Below

Termination

Improved termination spacing and wiring compartment room gives greater flexibility in selecting various UL listed connectors for either copper or aluminum cable.

Product Number Selection Instructions

1. Establish phase and frequency
2. Determine the primary voltage—the voltage presently available
3. Determine the secondary voltage—the voltage needed at the load
4. Determine the kVA load, allowing room for expansion
5. Using the facts determined in the four steps, locate the transformer model in the listings on the following pages.

Type QB, .050 kVA-3 kVA, Single-Phase

Type QMS, 5 kVA-25 kVA, Single-Phase

Type QL, 15 kVA-250 kVA, Single-Phase, TP-1
15 kVA-750 kVA, Three-Phase, TP-1

TransforMore™, 150 kVA-1000 kVA, Three-Phase, TP-1

Dry Type Transformers
General Purpose
Aluminum
Single-Phase TP-1

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	15	(+2, -4 2.5%)	23	320	YF171	9T83B2670
240 x 480 Volts	120/240 Volts	25	(+2, -4 2.5%)	23	320	YF171	9T83B2671
240 x 480 Volts	120/240 Volts	37.5	(+2, -4 2.5%)	23	320	YF171	9T83B2672
240 x 480 Volts	120/240 Volts	50	(+2, -4 2.5%)	23	400	YF172	9T83B2673
240 x 480 Volts	120/240 Volts	75	(+2, -4 2.5%)	23	510	YF174	9T83B2674
240 x 480 Volts	120/240 Volts	100	(+2, -4 2.5%)	23	900	YF175	9T83B2675
240 x 480 Volts	120/240 Volts	167	(+2, -4 2.5%)	23	1360	YF176	9T83B2676
240 x 480 Volts	120/240 Volts	250	(+2, -4 2.5%)	23	1700	YF177	9T83B2677

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	15	(+2, -4 2.5%)	23	320	YF171	9T83B2670G15
240 x 480 Volts	120/240 Volts	25	(+2, -4 2.5%)	23	320	YF171	9T83B2671G15
240 x 480 Volts	120/240 Volts	37.5	(+2, -4 2.5%)	23	400	YF172	9T83B2672G15
240 x 480 Volts	120/240 Volts	50	(+2, -4 2.5%)	23	500	YF173	9T83B2673G15
240 x 480 Volts	120/240 Volts	75	(+2, -4 2.5%)	23	510	YF174	9T83B2674G15
240 x 480 Volts	120/240 Volts	100	(+2, -4 2.5%)	23	900	YF175	9T83B2675G15
240 x 480 Volts	120/240 Volts	167	(+2, -4 2.5%)	23	1360	YF176	9T83B2676G15

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	15	(+2, -4 2.5%)	23	320	YF171	9T83B2670G80
240 x 480 Volts	120/240 Volts	25	(+2, -4 2.5%)	23	320	YF171	9T83B2671G80
240 x 480 Volts	120/240 Volts	37.5	(+2, -4 2.5%)	23	400	YF172	9T83B2672G80
240 x 480 Volts	120/240 Volts	50	(+2, -4 2.5%)	23	510	YF174	9T83B2673G80
240 x 480 Volts	120/240 Volts	75	(+2, -4 2.5%)	23	900	YF175	9T83B2674G80
240 x 480 Volts	120/240 Volts	100	(+2, -4 2.5%)	23	1360	YF176	9T83B2675G80
240 x 480 Volts	120/240 Volts	167	(+2, -4 2.5%)	23	1700	YF177	9T83B2676G80

[1]See page 10-45 for wiring diagrams.

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	15	(+2, -4 2.5%)	23	350	YF171	9T83C2570
240 x 480 Volts	120/240 Volts	25	(+2, -4 2.5%)	23	350	YF171	9T83C2571
240 x 480 Volts	120/240 Volts	37.5	(+2, -4 2.5%)	23	500	YF172	9T83C2572
240 x 480 Volts	120/240 Volts	50	(+2, -4 2.5%)	23	520	YF173	9T83C2573
240 x 480 Volts	120/240 Volts	75	(+2, -4 2.5%)	23	635	YF174	9T83C2574
240 x 480 Volts	120/240 Volts	100	(+2, -4 2.5%)	23	1050	YF175	9T83C2575
240 x 480 Volts	120/240 Volts	167	(+2, -4 2.5%)	23	1675	YF176	9T83C2576

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	15	(+2, -4 2.5%)	23	350	YF171	9T83C2570G15
240 x 480 Volts	120/240 Volts	25	(+2, -4 2.5%)	23	350	YF171	9T83C2571G15
240 x 480 Volts	120/240 Volts	37.5	(+2, -4 2.5%)	23	500	YF172	9T83C2572G15
240 x 480 Volts	120/240 Volts	50	(+2, -4 2.5%)	23	520	YF173	9T83C2573G15
240 x 480 Volts	120/240 Volts	75	(+2, -4 2.5%)	23	635	YF174	9T83C2574G15
240 x 480 Volts	120/240 Volts	100	(+2, -4 2.5%)	23	1050	YF175	9T83C2575G15
240 x 480 Volts	120/240 Volts	167	(+2, -4 2.5%)	23	1675	YF176	9T83C2576G15

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	15	(+2, -4 2.5%)	23	350	YF171	9T83C2570G80
240 x 480 Volts	120/240 Volts	25	(+2, -4 2.5%)	23	350	YF171	9T83C2571G80
240 x 480 Volts	120/240 Volts	37.5	(+2, -4 2.5%)	23	500	YF172	9T83C2572G80
240 x 480 Volts	120/240 Volts	50	(+2, -4 2.5%)	23	635	YF174	9T83C2573G80
240 x 480 Volts	120/240 Volts	75	(+2, -4 2.5%)	23	1050	YF175	9T83C2574G80
240 x 480 Volts	120/240 Volts	100	(+2, -4 2.5%)	23	1675	YF176	9T83C2575G80
240 x 480 Volts	120/240 Volts	167	(+2, -4 2.5%)	23	1960	YF177	9T83C2576G80

[1]See page 10-45 for wiring diagrams.

Dry Type Transformers
General Purpose
Aluminum
Three-Phase TP-1

Advantages

—Quiet performance
—No-weld design – an industry first
—Comprehensive factory testing assures quality
—Easy, fast installation saves time
—Clear, comprehensive documentation and labeling enhance safety

Key Features

—Unique core and coil design makes QL transformers among the quietest available
—Core and coil assemblies are 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
—Single-piece front/back is easily removable for service
—Accessible mounting flanges with front/back slotted mounting holes make installation easier
—100% factory tested for shorts and coil integrity, current and loss, voltage, impedance and noise.
—NEMA 2 powder-coat drip-proof enclosure is standard. Weathershield kit is available for conversion to NEMA 3R outdoor.
—NEMA 3R stainless steel enclosure is available up to 150kVA. To specify a stainless steel enclosure, substitute an "S" in the fifth character in the GE catalog number.
Example: 9T83B3874 changes to 9T83S3874.

Type QL Transformer

—Seismic qualified to the requirements of ASCE 7.05, IEEE-693-2005 and IBC-2006
—Copper or aluminum windings
—Copper ground strap
—Robust packaging with top and side protection protects against shipping damage

Applications

—Commercial
—Industrial
—Motors
—Incandescent lighting
—Resistance heating
—Motor generators (without solid state drives)

Transformer Selection Guide

	Standard	Guard I	Guard II	Guard III	K -Factor (K=4)	K -Factor (K=13)	K -Factor (K=20)	K -Factor (K=30)	DIT	Service Center	TENV	Stainless Steel (type 316) Enclosure
Motors	X	X			X							
Incandescent Lighting	X	X			X							
Resistance Heating	X	X			X							
Motor Generators (without solid state drives)	X	X			X							
HID Lighting					X							
Induction Heaters					X							
Welders					X							
UPS with optional input filtering					X							
PLC & Solid state controls					X							
Multiple receptacle circuits in heath care facilities						X						
UPS without optional input filtering						X						
Production or assembly line equipment						X						
Schools & Classroom facilities						X						
Surge Supression			X									
Office Buildings		X	X	X		X						
SCR Variable Speed Drives							X	X				
Circuits with exclusive data processing equipment			X	X			X	X				
Critical Care facilities			X	X			X	X				
Hospital Operating Rooms			X	X			X	X				
X-ray equipment			X	X			X	X				
Computer Installations			X	X			X	X				
Programmable Controllers			X	X			X	X				
Instrumentation			X	X			X	X				
AC or DC Variable Speed Drives									X			
Rectifier outputs									X			
Temporary Power										X		
Airborne contamins or dust-laden environments (indoor and outdoor)											X	
Corrosive environments including water/wastewater and salt spray												X

Dry Type Transformers
General Purpose
Aluminum
Three-Phase TP-1

Type QL Transformer
(Front Panel Removed)

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	240	Y371A	9T83B3871
480 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	334	Y372A	9T83B3872
480 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	415	Y373A	9T83B3873
480 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	620	Y374A	9T83B3874
480 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3875
480 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3876
480 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1210	L37AA	9T83B3877
480 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	1470	L38AA	9T83B3878
480 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	3400	L39AA	9T83B3879
480 Volts	208Y/120 V	750	(+2, -2 2.5%)	12	4000	L47AA	9T83B3867
480 Volts	208Y/120 V	1000	(+2, -2 2.5%)	12	3250	FC68	9T40G0011

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	240	Y371A	9T83B3871G15
480 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3872G15
480 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3873G15
480 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3874G15
480 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3875G15
480 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1210	L37AA	9T83B3876G15
480 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1470	L38AA	9T83B3877G15
480 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	3400	L39AA	9T83B3878G15
480 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	3250	FC67	9T40G0009G51
480 Volts	208Y/120 V	750	(+2, -2 2.5%)	12	3250	FC68	9T40G0010G51

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	334	XV372	9T83B3871G80
480 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	415	XV373	9T83B3872G80
480 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	620	Y374A	9T83B3873G80
480 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	765	XV375	9T83B3874G80
480 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3875G80
480 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1210	L37AA	9T83B3876G80
480 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1470	L38AA	9T83B3877G80
480 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	3400	L39AA	9T83B3878G80
480 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	3250	FC67	9T40G0009G81
480 Volts	208Y/120 V	750	(+2, -2 2.5%)	12	3250	FC68	9T40G0010G81

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
208 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	240	XV371	9T83B3091
208 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3092
208 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3093
208 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3094
208 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3095
208 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3096
208 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1590	FC79	9T83B3097
208 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3098
208 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3099

[1]See page 10-45 for wiring diagrams.

Note: Product numbers beginning with 9T4 have fan-assisted cooling.

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
208 Volts	480Y/277 V	15	(+2, -4 2.5%)	12	240	XV371	9T83B3801
208 Volts	480Y/277 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3802
208 Volts	480Y/277 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3803
208 Volts	480Y/277 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3804
208 Volts	480Y/277 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3805
208 Volts	480Y/277 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3806
208 Volts	480Y/277 V	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3807
208 Volts	480Y/277 V	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3808
208 Volts	480Y/277 V	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3809

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	240	XV371	9T83B3811
240 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3812
240 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3813
240 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3814
240 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3815
240 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3816
240 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3817
240 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3818
240 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3819

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 Volts	480Y/277 V	15	(+2, -4 2.5%)	12	240	XV371	9T83B3051
240 Volts	480Y/277 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3052
240 Volts	480Y/277 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3053
240 Volts	480Y/277 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3054
240 Volts	480Y/277 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3055
240 Volts	480Y/277 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3056
240 Volts	480Y/277 V	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3057
240 Volts	480Y/277 V	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3058
240 Volts	480Y/277 V	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3059

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	240/120 V	15	(+2, -4 2.5%)	19	240	XV371	9T83B3841
480 Volts	240/120 V	30	(+2, -4 2.5%)	19	334	XV372	9T83B3842
480 Volts	240/120 V	45	(+2, -4 2.5%)	19	415	XV373	9T83B3843
480 Volts	240/120 V	75	(+2, -4 2.5%)	19	620	XV374	9T83B3844
480 Volts	240/120 V	112.5	(+2, -4 2.5%)	19	765	XV375	9T83B3845
480 Volts	240/120 V	150	(+2, -4 2.5%)	19	1070	XV376	9T83B3846
480 Volts	240/120 V	225	(+2, -4 2.5%)	19	1590	XV377	9T83B3847
480 Volts	240/120 V	300	(+2, -4 2.5%)	19	1820	YF378	9T83B3848
480 Volts	240/120 V	500	(+2, -2 2.5%)	19	3400	YF379	9T83B3849

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	480Y/277 V	15	(+2, -4 2.5%)	12	240	XV371	9T83B3851
480 Volts	480Y/277 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3852
480 Volts	480Y/277 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3853
480 Volts	480Y/277 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3854
480 Volts	480Y/277 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3855
480 Volts	480Y/277 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3856
480 Volts	480Y/277 V	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3857
480 Volts	480Y/277 V	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3858
480 Volts	480Y/277 V	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3859
480 Volts	480Y/277 V	750	(+2, -2 2.5%)	12	3250	FC67	9T40G0410

[1]See page 10-45 for wiring diagrams.

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	240 V	15	(+2, -4 2.5%)	13	240	XV371	9T83B3881
480 Volts	240 V	30	(+2, -4 2.5%)	13	334	XV372	9T83B3882
480 Volts	240 V	45	(+2, -4 2.5%)	13	415	XV373	9T83B3883
480 Volts	240 V	75	(+2, -4 2.5%)	13	620	XV374	9T83B3884
480 Volts	240 V	112.5	(+2, -4 2.5%)	13	765	XV375	9T83B3885
480 Volts	240 V	150	(+2, -4 2.5%)	13	1070	XV376	9T83B3886
480 Volts	240 V	225	(+2, -4 2.5%)	13	1590	XV377	9T83B3887
480 Volts	240 V	300	(+2, -4 2.5%)	13	1820	YF378	9T83B3888
480 Volts	240 V	500	(+2, -2 2.5%)	13	3400	YF379	9T83B3889

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
600 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	240	XV371	9T83B3891
600 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	334	XV372	9T83B3892
600 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	415	XV373	9T83B3893
600 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	620	XV374	9T83B3894
600 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3895
600 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3896
600 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3897
600 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3898
600 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3899

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	250	Y371C	9T83C9871
480 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	377	Y372C	9T83C9872
480 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	490	Y373C	9T83C9873
480 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	710	Y374C	9T83C9874
480 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	949	Y375C	9T83C9875
480 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1190	Y376C	9T83C9876
480 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	1400	L37AA	9T83C9877
480 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	2480	L38AA	9T83C9878
480 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	4050	L39AA	9T83C9879
480 Volts	208Y/120 V	750	(+2, -2 2.5%)	12	4030	FC67	9T45G0010
480 Volts	208Y/120 V	1000	(+2, -2 2.5%)	12	4030	FC68	9T45G0011

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	250	XV371	9T83C9871G15
480 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	377	XV372	9T83C9872G15
480 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	490	XV373	9T83C9873G15
480 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	710	XV374	9T83C9874G15
480 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	949	XV375	9T83C9875G15
480 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1400	L37AA	9T83C9876G15
480 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	2480	L38AA	9T83C9877G15
480 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	4050	L39AA	9T83C9878G15
480 Volts	208Y/120 V	750	(+2, -2 2.5%)	12	4030	FC67	9T45G0010G51

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts	208Y/120 V	15	(+2, -4 2.5%)	12	377	XV372	9T83C9871G80
480 Volts	208Y/120 V	30	(+2, -4 2.5%)	12	490	XV373	9T83C9872G80
480 Volts	208Y/120 V	45	(+2, -4 2.5%)	12	710	XV374	9T83C9873G80
480 Volts	208Y/120 V	75	(+2, -4 2.5%)	12	949	XV375	9T83C9874G80
480 Volts	208Y/120 V	112.5	(+2, -4 2.5%)	12	1190	XV376	9T83C9875G80
480 Volts	208Y/120 V	150	(+2, -4 2.5%)	12	1400	L37AA	9T83C9876G80
480 Volts	208Y/120 V	225	(+2, -4 2.5%)	12	2480	L38AA	9T83C9877G80
480 Volts	208Y/120 V	300	(+2, -4 2.5%)	12	4050	L39AA	9T83C9878G80
480 Volts	208Y/120 V	500	(+2, -2 2.5%)	12	4030	FC67	9T45G0009G81
480 Volts	208Y/120 V	750	(+2, -2 2.5%)	12	4030	FC68	9T45G0010G81

[1]See page 10-45 for wiring diagrams.

Dry Type Transformers
K-Factor
Aluminum
Three-Phase TP-1

Product Description

These type QL transformers have passed the UL K-factor testing program. K-factor is a standardized way to indicate the ability of a transformer to withstand harmonics. These units shall not exceed rated winding temperature rise at full load and rated K-factor. Neutrals are capable of handling 200% of rated secondary phase current.

Full-width copper electrostatic shielding is standard on all GE K-factor rated transformers. Effective coupling capacitance is 30 pf. Common mode noise attenuation averages 120 dB, and transverse mode noise attenuation averages 30 dB.

Application

For commercial applications with significance nonlinear electronic loading, use K=4 for systems with 50% connected nonlinear electronic loads; K=13 for systems with 100% connected nonlinear electronic loads.

Higher K-factor rated units are available for unique applications.

Type QL, UL K-Factor Transformer

K=4 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3461G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	334	XK372	9T83B3462G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3463G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3464G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3465G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1590	XV377	9T83B3466G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1470	L38AA	9T64B3877G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3400	YF379	9T64B3878G03
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	3250	FC68	9T44G0009G03
480 Volts Delta	208Y/120 Volts	750	(+2, -2 2.5%)	12	3250	FC68	9T44G0010G03

K=4 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3461G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3462G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3463G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3464G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3465G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T64B3876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3400	YF379	9T64B3877G13
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3400	YF379	9T64B3878G13
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	3250	FC68	9T44G0009G53

K=4 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XV372	9T64B3871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3462G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3463G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1070	XV376	9T64B3874G83
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T64B3875G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T64B3876G83
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1020	FC78	9T44G0007G83
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	1590	FC79	9T44G0008G83
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	3250	FC68	9T44G0009G83

[1]See page 10-45 for wiring diagrams.

Note: Product numbers beginning with 9T4 have fan-assisted cooling.

K=13 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3471G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	334	XK372	9T83B3472G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3473G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3474G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3475G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1590	XV377	9T83B3476G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1470	L38AA	9T61B3877G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3400	YF379	9T61B3878G03
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	3250	FC68	9T41G0009G03

K=13 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3471G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3472G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3473G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3474G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T61B3875G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T61B3876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3400	YF379	9T61B3877G13
480 Volts Delta	208Y/120 Volts	300	(+2,-4 2.5%)	12	3250	FC68	9T41G0008G53

K=13 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XK372	9T61B3871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	620	XV374	9T61B3872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3473G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1070	XV376	9T61B3874G83
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T61B3875G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T61B3876G83
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1590	FC79	9T41G0007G83
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3250	FC68	9T41G0008G83

[1]See page 10-45 for wiring diagrams.

K=20 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3481G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3482G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3483G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T62B3874G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T62B3875G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T62B3876G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3400	YF379	9T62B3877G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	1590	FC79	9T42G0008G03

K=20 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XK372	9T62B3871G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3482G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3483G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1070	XV376	9T62B3874G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T62B3875G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T62B3876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1590	FC79	9T42G0007G53
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3250	FC68	9T42G0008G53

K=20 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XK372	9T62B3871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	620	XV374	9T62B3872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3483G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1070	XV376	9T62B3874G83
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T62B3875G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1020	FC78	9T42G0006G83
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3250	FC68	9T42G0007G83
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3250	FC68	9T42G0008G83

[1]See page 10-45 for wiring diagrams.

K=30 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3491G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3492G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3493G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3494G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T63B3875G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T63B3876G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1590	FC79	9T43G0007G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3250	FC68	9T43G0008G03

K=30 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XK372	9T63B3871G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3492G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3493G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1070	XV376	9T63B3874G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1590	XV377	9T63B3875G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1470	L38AA	9T63B3876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3250	FC68	9T43G0007G53

K=30 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XK372	9T63B3871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	620	XV374	9T63B3872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	765	XV375	9T63B3873G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1020	FC78	9T43G0006G83

[1]See page 10-45 for wiring diagrams.

K=4 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	250	XV371	9T83C9461G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	377	XV372	9T64C9872G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9463G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9464G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1190	XV376	9T83C9465G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T64C9876G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T64C9877G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	2480	L38AA	9T64C9878G03
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	4030	FC68	9T49G0009G03
480 Volts Delta	208Y/120 Volts	750	(+2, -2 2.5%)	12	4030	FC68	9T49G0010G03

K=4 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	250	XV371	9T83C9461G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T83C9462G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9463G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9464G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1190	XV376	9T83C9465G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T64C9876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T64C9877G13
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	4030	FC68	9T49G0009G53
480 Volts Delta	208Y/120 Volts	750	(+2, -2 2.5%)	12	4030	FC68	9T49G0010G53

K=4 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T64C9871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T64C9872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9463G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1190	XV376	9T83C9464G83
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1400	L37AA	9T64C9875G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T64C9876G83
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1160	FC78	9T49G0007G83
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	1780	FC79	9T49G0008G83
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	4030	FC68	9T49G0009G83

[1]See page 10-45 for wiring diagrams.

K=13 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	250	XV371	9T61C9871G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	377	XV372	9T61C9872G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9473G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9474G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1190	XV376	9T83C9475G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T61C9876G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T61C9877G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	4050	YF379	9T61C9878G03
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	4030	FC68	9T46G0009G03

K=13 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T61C9871G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T83C9472G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9473G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9474G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1710	XV377	9T61C9875G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T61C9876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T61C9877G13
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	1780	FC79	9T46G0008G53
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	4030	FC68	9T46G0009G53

K=13 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T61C9871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	710	XV374	9T61C9872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9473G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1190	XV376	9T61C9874G83
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1400	L37AA	9T61C9875G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	2480	L38AA	9T61C9876G83
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1780	FC79	9T46G0007G83
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	4030	FC68	9T46G0008G83

[1]See page 10-45 for wiring diagrams.

Copper

Three-Phase TP-1

K=20 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T62C9871G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T83C9482G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9483G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9484G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1710	XV377	9T62C9875G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T62C9876G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T62C9877G03
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	1780	FC79	9T47G0008G03

K=20 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T62C9875G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T83C9482G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9483G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1190	XV376	9T83C9484G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1400	L37AA	9T62C9875G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T62C9876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T62C9877G13
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	4030	FC68	9T47G0008G53

K=20 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T62C9871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	710	XV374	9T62C9872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T62C9873G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1190	XV376	9T62C9874G83
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1710	XV377	9T62C9875G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	2480	L38AA	9T62C9876G83

[1]See page 10-45 for wiring diagrams.

Copper

Three-Phase TP-1

K=30 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T63C9871G03
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T83C9492G03
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9493G03
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9494G03
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1710	XV377	9T63C9875G03
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T63C9876G03
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	2480	L38AA	9T63C9877G03

K=30 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T63C9871G13
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T63C9872G13
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9493G13
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1190	XV376	9T83C9494G13
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1400	L37AA	9T63C9875G13
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1400	L37AA	9T63C9876G13
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1780	FC79	9T48G0007G53

K=30 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T63C9871G83
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	710	XV374	9T63C9872G83
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	949	XV375	9T63C9873G83
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	1190	XV376	9T63C9874G83
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	2480	L38AA	9T63C9876G83

[1]See page 10-45 for wiring diagrams.

K=4 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T64B3871G53
480	208Y/120	30	(+2, -4 2.5%)	12	334	XK372	9T64B3872G53
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T64B3873G53
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T64B3874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1070	XV376	9T64B3875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1590	XV377	9T64B3876G53
480	208Y/120	225	(+2, -4 2.5%)	12	1820	YF378	9T64B3877G53
480	208Y/120	300	(+2, -4 2.5%)	12	3400	YF379	9T64B3878G53

K=4 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T64B3871G23
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T64B3872G23
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T64B3873G23
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T64B3874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1070	XV376	9T64B3875G23
480	208Y/120	150	(+2, -4 2.5%)	12	1590	XV377	9T64B3876G23
480	208Y/120	225	(+2, -4 2.5%)	12	3400	YF379	9T64B3877G23
480	208Y/120	300	(+2, -4 2.5%)	12	3400	YF379	9T64B3878G23

K=4 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T64B3872G93
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T64B3873G93
480	208Y/120	75	(+2, -4 2.5%)	12	1070	XV376	9T64B3874G93
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T64B3875G93
480	208Y/120	150	(+2, -4 2.5%)	12	1820	YF378	9T64B3876G93

K=13 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T61B3871G53
480	208Y/120	30	(+2, -4 2.5%)	12	334	XK372	9T61B3872G53
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T61B3873G53
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T61B3874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1070	XV376	9T61B3875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1590	XV377	9T61B3876G53
480	208Y/120	225	(+2, -4 2.5%)	12	3400	YF379	9T61B3877G53
480	208Y/120	300	(+2, -4 2.5%)	12	3400	YF379	9T61B3878G53

K=13 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T61B3871G23
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T61B3872G23
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T61B3873G23
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T61B3874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T61B3875G23
480	208Y/120	150	(+2, -4 2.5%)	12	1820	YF378	9T61B3876G23
480	208Y/120	225	(+2, -4 2.5%)	12	3400	YF379	9T61B3877G23

K=13 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T61B3873G93
480	208Y/120	75	(+2, -4 2.5%)	12	1070	XV376	9T61B3874G93
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T61B3875G93

[1]See page 10-45 for wiring diagrams.

Dry Type Transformers
K-Factor Low Noise
Aluminum
Three-Phase TP-1

K=20 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T62B3871G53
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T62B3872G53
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T62B3873G53
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T62B3874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T62B3875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1590	XV377	9T62B3876G53
480	208Y/120	225	(+2, -4 2.5%)	12	3400	YF379	9T62B3877G53

K=20 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T62B3872G23
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T62B3873G23
480	208Y/120	75	(+2, -4 2.5%)	12	1070	XV376	9T62B3874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T62B3875G23

K=20 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T62B3873G93
480	208Y/120	75	(+2, -4 2.5%)	12	1070	XV376	9T62B3874G93
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T62B3875G93

K=30 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T63B3871G53
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T63B3872G53
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T63B3873G53
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T63B3874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T63B3875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1820	YF378	9T63B3876G53

K=30 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T63B3872G23
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T63B3873G23
480	208Y/120	75	(+2, -4 2.5%)	12	1070	XV376	9T63B3874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T63B3875G23

[1]See page 10-45 for wiring diagrams.

Copper

Three-Phase TP-1

K = 4 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	250	XV371	9T64C9871G53
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T64C9872G53
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T64C9873G53
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T64C9874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	XV376	9T64C9875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T64C9876G53
480	208Y/120	225	(+2, -4 2.5%)	12	3150	YF378	9T64C9877G53
480	208Y/120	300	(+2, -4 2.5%)	12	4050	YF379	9T64C9878G53

K = 4 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	250	XV371	9T64C9871G23
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T64C9872G23
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T64C9873G23
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T64C9874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	XV376	9T64C9875G23
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T64C9876G23
480	208Y/120	225	(+2, -4 2.5%)	12	4050	YF379	9T64C9877G23
480	208Y/120	300	(+2, -4 2.5%)	12	4050	YF379	9T64C9878G23

K = 4 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	377	XV372	9T64C9871G93
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T64C9872G93
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T64C9873G93
480	208Y/120	75	(+2, -4 2.5%)	12	1190	XV376	9T64C9874G93
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T64C9875G93
480	208Y/120	150	(+2, -4 2.5%)	12	1400	L37AA	9T64C9876G93
480	208Y/120	225	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales

K = 13 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	250	XV371	9T61C9871G53
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T61C9872G53
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T61C9873G53
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T61C9874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	XV376	9T61C9875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T61C9876G53
480	208Y/120	300	(+2, -4 2.5%)	12	4050	YF379	9T61C9878G53

K = 13 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	377	XV372	9T61C9871G23
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T61C9872G23
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T61C9873G23
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T61C9874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	XV376	9T61C9875G23
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T61C9876G23

K = 13 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	377	XV372	9T61C9871G93
480	208Y/120	30	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T61C9873G93
480	208Y/120	75	(+2, -4 2.5%)	12	1190	XV376	9T61C9874G93
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T61C9875G93
480	208Y/120	150	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales

[1]See page 10-45 for wiring diagrams.

K = 20 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	377	XV372	9T62C9871G53
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T62C9872G53
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T62C9873G53
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T62C9874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T62C9875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T62C9876G53

K = 20 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	377	XV372	9T62C9871G23
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T62C9872G23
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T62C9873G23
480	208Y/120	75	(+2, -4 2.5%)	12	1190	XV376	9T62C9874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T62C9875G23
480	208Y/120	150	(+2, -4 2.5%)	12	1400	L37AA	9T62C9876G23

K = 20 80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T62C9873G93
480	208Y/120	75	(+2, -4 2.5%)	12	1190	XV376	9T62C9874G93
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T62C9875G93

K = 30 150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T63C9872G53
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T63C9873G53
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T63C9874G53
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T63C9875G53
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T63C9876G53

K = 30 115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	30	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T63C9873G23
480	208Y/120	75	(+2, -4 2.5%)	12	1190	XV376	9T63C9874G23
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	XV377	9T63C9875G23

[1]See page 10-45 for wiring diagrams.

Dry Type Transformers
Low Noise
Aluminum
Three-Phase TP-1

Product Description

These low noise transformers are designed to operate at reduced noise levels. The vibrations within the magnetic steel core were greatly reduced, thus lowering the humming of the transformer from 3 to 5 dB less than NEMA/ANSI standards. Available in Aluminum or Copper windings, with either a 150°C, 115°C or 80°C rise.

Application

Type QL low noise transformers are ideal when quiet operation is required such as near offices, in school buildings, or hospitals. Although they are inherently quieter, installation can greatly influence their noise level and therefore care should be taken in following acoustical principles as well as proper installation procedures. Closets and corners should be avoided as they act as megaphones by seemingly increasing noise levels.

Type QL Low Noise Transformer (front panel removed)

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3141
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	334	Y372A	9T83B3142
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	415	XV373	9T83B3143
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	620	XV374	9T83B3144
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3145
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3146
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3147
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3148
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3149

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	240	XV371	9T83B3141G15
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	334	XV372	9T83B3142G15
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	415	XV373	9T83B3143G15
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	620	XV374	9T83B3144G15
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3145G15
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1590	XV377	9T83B3146G15
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1820	YF378	9T83B3147G15
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	334	XV372	9T83B3141G80
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	415	XV373	9T83B3142G80
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	620	XV374	9T83B3143G80
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3144G80
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1820	YF378	9T83B3147G80
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	765	XV375	9T83B3874G90

[1]See page 10-45 for wiring diagrams.

Dry Type Transformers
Low Noise
Copper
Three-Phase TP-1

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	250	XV371	9T83C9141
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	377	XV372	9T83C9142
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	490	XV373	9T83C9143
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	710	XV374	9T83C9144
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	949	XV375	9T83C9145
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1190	XV376	9T83C9146
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	1710	XV377	9T83C9147
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	3150	YF378	9T83C9148
480 Volts Delta	208Y/120 Volts	500	(+2, -2 2.5%)	12	4050	YF379	9T83C9149

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	250	XV371	9T83C9141G15
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	377	XV372	9T83C9142G15
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	490	XV373	9T83C9143G15
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	710	XV374	9T83C9144G15
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	949	XV375	9T83C9145G15
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	1710	XV377	9T83C9146G15
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3150	YF378	9T83C9147G15
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	710	XV374	9T83C9874G20
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	949	XV375	9T83C9875G20
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	4050	L39AA	9T83C9878G20

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480 Volts Delta	208Y/120 Volts	15	(+2, -4 2.5%)	12	377	XV372	9T83C9141G80
480 Volts Delta	208Y/120 Volts	30	(+2, -4 2.5%)	12	490	XV373	9T83C9142G80
480 Volts Delta	208Y/120 Volts	45	(+2, -4 2.5%)	12	710	XV374	9T83C9143G80
480 Volts Delta	208Y/120 Volts	75	(+2, -4 2.5%)	12	949	XV375	9T83C9144G80
480 Volts Delta	208Y/120 Volts	112.5	(+2, -4 2.5%)	12	1190	XV376	9T83C9145G80
480 Volts Delta	208Y/120 Volts	150	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales
480 Volts Delta	208Y/120 Volts	225	(+2, -4 2.5%)	12	3150	YF378	9T83C9147G80
480 Volts Delta	208Y/120 Volts	300	(+2, -4 2.5%)	12	Contact GE Sales	Contact GE Sales	Contact GE Sales

[1]See page 10-45 for wiring diagrams.

Noise Isolation — Guard I (Electrostatic Shield)

Aluminum

Three-Phase TP-1

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T83B3871G03
480	208Y/120	30	(+2, -4 2.5%)	12	334	XV372	9T83B3872G03
480	208Y/120	45	(+2, -4 2.5%)	12	415	XV373	9T83B3873G03
480	208Y/120	75	(+2, -4 2.5%)	12	620	XV374	9T83B3874G03
480	208Y/120	112.5	(+2, -4 2.5%)	12	765	XV375	9T83B3875G03
480	208Y/120	150	(+2, -4 2.5%)	12	1070	XV376	9T83B3876G03
480	208Y/120	225	(+2, -4 2.5%)	12	1590	XV377	9T83B3877G03
480	208Y/120	300	(+2, -4 2.5%)	12	1820	YF378	9T83B3878G03
480	208Y/120	500	(+2, -2 2.5%)	12	3400	YF379	9T83B3879G03
480	208Y/120	750	(+2, -2 2.5%)	12	3250	FC67	9T40G0010G03
480	208Y/120	1000	(+2, -2 2.5%)	12	3250	FC68	9T40G0011G03

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	XV371	9T83B3871G13
480	208Y/120	30	(+2, -4 2.5%)	12	334	XV372	9T83B3872G13
480	208Y/120	45	(+2, -4 2.5%)	12	415	XV373	9T83B3873G13
480	208Y/120	75	(+2, -4 2.5%)	12	620	XV374	9T83B3874G13
480	208Y/120	112.5	(+2, -4 2.5%)	12	1070	XV376	9T83B3875G13
480	208Y/120	150	(+2, -4 2.5%)	12	1590	XV377	9T83B3876G13
480	208Y/120	225	(+2, -4 2.5%)	12	1820	YF378	9T83B3877G13
480	208Y/120	300	(+2, -4 2.5%)	12	3400	L39AA	9T83B3878G13
480	208Y/120	500	(+2, -2 2.5%)	12	3250	FC67	9T40G0009G53

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	334	XV372	9T83B3871G83
480	208Y/120	30	(+2, -4 2.5%)	12	415	XV373	9T83B3872G83
480	208Y/120	45	(+2, -4 2.5%)	12	620	XV374	9T83B3873G83
480	208Y/120	75	(+2, -4 2.5%)	12	765	XV375	9T83B3874G83
480	208Y/120	112.5	(+2, -4 2.5%)	12	1590	XV377	9T83B3875G83
480	208Y/120	150	(+2, -4 2.5%)	12	850	FC77	9T40G0006G83
480	208Y/120	225	(+2, -4 2.5%)	12	1820	YF378	9T83B3877G83
480	208Y/120	300	(+2, -4 2.5%)	12	3400	L39AA	9T83B3878G83

[1]See page 10-45 for wiring diagrams.

Note: Product numbers beginning with 9T4 have fan-assisted cooling.

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	250	XV371	9T83C9871G03
480	208Y/120	30	(+2, -4 2.5%)	12	377	XV372	9T83C9872G03
480	208Y/120	45	(+2, -4 2.5%)	12	490	XV373	9T83C9873G03
480	208Y/120	75	(+2, -4 2.5%)	12	710	XV374	9T83C9874G03
480	208Y/120	112.5	(+2, -4 2.5%)	12	949	XV375	9T83C9875G03
480	208Y/120	150	(+2, -4 2.5%)	12	1190	XV376	9T83C9876G03
480	208Y/120	225	(+2, -4 2.5%)	12	1710	XV377	9T83C9877G03
480	208Y/120	300	(+2, -4 2.5%)	12	3150	YF378	9T83C9878G03
480	208Y/120	500	(+2, -2 2.5%)	12	4050	YF379	9T83C9879G03
480	208Y/120	750	(+2, -2 2.5%)	12	4030	FC67	9T45G0010G03
480	208Y/120	1000	(+2, -2 2.5%)	12	4030	FC68	9T45G0011G03

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	250	XV371	9T83C9871G13
480	208Y/120	30	(+2, -4 2.5%)	12	377	XV372	9T83C9872G13
480	208Y/120	45	(+2, -4 2.5%)	12	490	XV373	9T83C9873G13
480	208Y/120	75	(+2, -4 2.5%)	12	710	XV374	9T83C9874G13
480	208Y/120	112.5	(+2, -4 2.5%)	12	949	XV375	9T83C9875G13
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T83C9876G13
480	208Y/120	225	(+2, -4 2.5%)	12	3150	YF378	9T83C9877G13
480	208Y/120	300	(+2, -4 2.5%)	12	4050	L39AA	9T83C9878G13

80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.[1]	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	377	XV372	9T83C9871G83
480	208Y/120	30	(+2, -4 2.5%)	12	490	XV373	9T83C9872G83
480	208Y/120	45	(+2, -4 2.5%)	12	710	XV374	9T83C9873G83
480	208Y/120	75	(+2, -4 2.5%)	12	949	XV375	9T83C9874G83
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	XV376	9T83C9875G83
480	208Y/120	150	(+2, -4 2.5%)	12	1710	XV377	9T83C9876G83
480	208Y/120	225	(+2, -4 2.5%)	12	3150	YF378	9T83C9877G83
480	208Y/120	300	(+2, -4 2.5%)	12	4050	L39AA	9T83C9878G83

[1]See page 10-45 for wiring diagrams.

Guard II noise isolation transformers provide common mode noise attenuation plus an enhanced level of transverse mode noise attenuation for increased protection of sensitive electronic equipment.

Key Features

—Grounded copper electrostatic shield between primary and secondary windings
—Noise suppressors and spike/surge suppressors
—120dB common mode noise rejection
—60dB transverse mode noise rejection
—Compliance with ANSI and NEMA standards
—Sound levels below NEMA ST-20 limits
—UL Listed
—NEMA 2 enclosure

Applications

—Schools and colleges
—Large computer installations
—Small commercial offices
—Motor installations
—Process controllers
—Hospitals
—X-ray rooms
—Electrical laboratories
—High lightning strike areas

Guard II Transformer

Guard II Transformer, (front panel removed)

150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	260	XV371	9T86B3871G03
480	208Y/120	30	(+2, -4 2.5%)	370	XV372	9T86B3872G03
480	208Y/120	45	(+2, -4 2.5%)	460	XV373	9T86B3873G03
480	208Y/120	75	(+2, -4 2.5%)	680	XV374	9T86B3874G03
480	208Y/120	112.5	(+2, -4 2.5%)	830	XV375	9T86B3875G03

115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	260	XV371	9T86B3871G13
480	208Y/120	30	(+2, -4 2.5%)	370	XV372	9T86B3872G13
480	208Y/120	45	(+2, -4 2.5%)	460	XV373	9T86B3873G13
480	208Y/120	75	(+2, -4 2.5%)	680	XV374	9T86B3874G13

80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	370	XV372	9T86B3871G83
480	208Y/120	30	(+2, -4 2.5%)	460	XV373	9T86B3872G83
480	208Y/120	45	(+2, -4 2.5%)	680	XV374	9T86B3873G83
480	208Y/120	75	(+2, -4 2.5%)	830	XV375	9T86B3874G83

150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
208	208Y/120	15	(+2, -4 2.5%)	260	XV371	9T86B3091G03
208	208Y/120	30	(+2, -4 2.5%)	370	XV372	9T86B3092G03
208	208Y/120	45	(+2, -4 2.5%)	460	XV373	9T86B3093G03
208	208Y/120	75	(+2, -4 2.5%)	680	XV374	9T86B3094G03
208	208Y/120	112.5	(+2, -4 2.5%)	830	XV375	9T86B3095G03

115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
208	208Y/120	15	(+2, -4 2.5%)	260	XV371	9T86B3091G13
208	208Y/120	30	(+2, -4 2.5%)	370	XV372	9T86B3092G13
208	208Y/120	45	(+2, -4 2.5%)	460	XV373	9T86B3093G13
208	208Y/120	75	(+2, -4 2.5%)	680	XV374	9T86B3094G13

80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
208	208Y/120	15	(+2, -4 2.5%)	370	XV372	9T86B3091G83
208	208Y/120	30	(+2, -4 2.5%)	460	XV373	9T86B3092G83
208	208Y/120	45	(+2, -4 2.5%)	680	XV374	9T86B3093G83
208	208Y/120	45	(+2, -4 2.5%)	830	XV375	9T86B3094G83

150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	270	XV371	9T86C9871G03
480	208Y/120	30	(+2, -4 2.5%)	420	XV372	9T86C9872G03
480	208Y/120	45	(+2, -4 2.5%)	540	XV373	9T86C9873G03
480	208Y/120	75	(+2, -4 2.5%)	770	XV374	9T86C9874G03
480	208Y/120	112.5	(+2, -4 2.5%)	1010	XV375	9T86C9875G03

115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	270	XV371	9T86C9871G13
480	208Y/120	30	(+2, -4 2.5%)	420	XV372	9T86C9872G13
480	208Y/120	45	(+2, -4 2.5%)	540	XV373	9T86C9873G13
480	208Y/120	75	(+2, -4 2.5%)	770	XV374	9T86C9874G13
480	208Y/120	112.5	(+2, -4 2.5%)	1010	XV375	9T86C9875G13

80°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	420	XV372	9T86C9871G83
480	208Y/120	30	(+2, -4 2.5%)	540	XV373	9T86C9872G83
480	208Y/120	45	(+2, -4 2.5%)	770	XV374	9T86C9873G83
480	208Y/120	75	(+2, -4 2.5%)	1010	XV375	9T86C9874G83

150°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
208	208Y/120	15	(+2, -4 2.5%)	270	XV371	9T86C9091G03
208	208Y/120	30	(+2, -4 2.5%)	420	XV372	9T86C9092G03
208	208Y/120	45	(+2, -4 2.5%)	540	XV373	9T86C9093G03
208	208Y/120	75	(+2, -4 2.5%)	770	XV374	9T86C9094G03
208	208Y/120	112.5	(+2, -4 2.5%)	1010	XV375	9T86C9095G03

115°C Rise

Input Voltage	Output Voltage	kVA	Taps	Approx Net Weight (Lbs)	Frame Size	Product Number
208	208Y/120	15	(+2, -4 2.5%)	270	XV371	9T86C9091G13
208	208Y/120	30	(+2, -4 2.5%)	420	XV372	9T86C9092G13
208	208Y/120	45	(+2, -4 2.5%)	540	XV373	9T86C9093G13
208	208Y/120	75	(+2, -4 2.5%)	770	XV374	9T86C9094G13
208	208Y/120	112.5	(+2, -4 2.5%)	1010	XV375	9T86C9095G13

Copper

Three-Phase TP-1

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Temp Rise	Phase Shift	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	115	0˚	315	H371C	9T96C9871G13
480	208Y/120	30	115	0˚	550	H372C	9T96C9872G13
480	208Y/120	45	115	0˚	550	H372C	9T96C9873G13
480	208Y/120	75	115	0˚	1050	H374C	9T96C9874G13
480	208Y/120	112.5	115	0˚	1975	H375C	9T96C9875G13
480	208Y/120	150	115	0˚	2000	H376C	9T96C9876G13

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Temp Rise	Phase Shift	Approx Net Weight (Lbs)	Frame Size	Product Number
480	208Y/120	15	150	-30˚	315	H371C	9T97C9871G03
480	208Y/120	30	150	-30˚	550	H372C	9T97C9872G03
480	208Y/120	45	150	-30˚	640	H373C	9T97C9873G03
480	208Y/120	75	150	-30˚	1050	H374C	9T97C9874G03
480	208Y/120	112.5	150	-30˚	1975	H375C	9T97C9875G03
480	208Y/120	150	150	-30˚	2000	H376C	9T97C9876G03
480	208Y/120	225	150	-30˚	Call GE Sales	H377C	9T97C9877G03
480	208Y/120	300	150	-30˚	Call GE Sales	Call GE Sales	9T97C9878G03

Dry Type Transformers
Ultra Energy Efficient
Copper (Also available with Aluminum Windings)
Three-Phase CSL-3
Three-Phase NEMA Premium™

More energy efficient than the TP-1 design, the GE QL Ultra Efficient transformer can save customers nearly $4,000 per year in operating costs, based on a facility the size of an elementary school*, and help them earn U. S. Green Building Council's LEED® certification points on a project. It's significantly quieter than standard transformers and features all of the convenience and reliability you expect from a QL transformer.

Applications

LEED® buildings, schools, university buildings, stadiums, government buildings, healthcare and commercial buildings.

Maximum No Load Loss (Watts)

kVA	TP-1	QL Ultra Efficient	% Change
15	92	49	-47%
30	152	85	-44%
45	191	97	-50%
75	320	142	-56%
112	417	200	-52%
150	421	203	-52%
225	715	313	-56%
300	751	330	-56%

Energy Efficiency TP-1 vs. CSL-3

	15kVA	30kVA	45kVA	75kVA	112.5kVA	150kVA	225kVA	300kVA
TP-1	97.0%	97.5%	97.7%	98.0%	98.2%	98.3%	98.5%	98.6%
QL Ultra Efficient (CSL-3)	97.90%	98.25%	98.39%	98.60%	98.74%	98.81%	98.75%	99.02%

150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	S31AC	9T73C9871
480	208Y/120	30	(+2, -4 2.5%)	12	360	S32AC	9T73C9872
480	208Y/120	45	(+2, -4 2.5%)	12	460	S33AC	9T73C9873
480	208Y/120	75	(+2, -4 2.5%)	12	690	S34AC	9T73C9874
480	208Y/120	112.5	(+2, -4 2.5%)	12	850	S35AC	9T73C9875
480	208Y/120	150	(+2, -4 2.5%)	12	1190	S36AC	9T73C9876
480	208Y/120	225	(+2, -4 2.5%)	12	1710	S37AC	9T73C9877
480	208Y/120	300	(+2, -4 2.5%)	12	3170	S38AC	9T73C9878

115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	S31AC	9T73C9871G15
480	208Y/120	30	(+2, -4 2.5%)	12	360	S32AC	9T73C9872G15
480	208Y/120	45	(+2, -4 2.5%)	12	460	S33AC	9T73C9873G15
480	208Y/120	75	(+2, -4 2.5%)	12	690	S34AC	9T73C9874G15
480	208Y/120	112.5	(+2, -4 2.5%)	12	850	S35AC	9T73C9875G15
480	208Y/120	150	(+2, -4 2.5%)	12	1710	S37AC	9T73C9876G15
480	208Y/120	225	(+2, -4 2.5%)	12	3170	S38AC	9T73C9877G15

*Based on upgrading pre-2007 (non-TP-1) GE transformers at an elementary school with 13 transformers, ranging in size from 30kVA to 112.5kVA and energy costs of $.077/kwh to the equivalent GE QL Ultra transformers.

Dry Type Transformers
Ultra Energy Efficient K-Factor
Copper (Also available with Aluminum Windings)
Three-Phase NEMA Premium™

K=4 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	360	S32AC	9T73C9461G03
480	208Y/120	30	(+2, -4 2.5%)	12	360	S32AC	9T73C9462G03
480	208Y/120	45	(+2, -4 2.5%)	12	690	S34AC	9T73C9463G03
480	208Y/120	75	(+2, -4 2.5%)	12	850	S35AC	9T73C9464G03
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	S36AC	9T73C9465G03
480	208Y/120	150	(+2, -4 2.5%)	12	1710	S37AC	9T73C9466G03

K=4 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	360	S32AC	9T73C9461G13
480	208Y/120	30	(+2, -4 2.5%)	12	460	S33AC	9T73C9462G13
480	208Y/120	45	(+2, -4 2.5%)	12	690	S34AC	9T73C9463G13
480	208Y/120	75	(+2, -4 2.5%)	12	850	S35AC	9T73C9464G13
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	S36AC	9T73C9465G13
480	208Y/120	150	(+2, -4 2.5%)	12	1710	S37AC	9T73C9466G13

K=4 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	360	S32AC	9T73C9461G83
480	208Y/120	30	(+2, -4 2.5%)	12	460	S33AC	9T73C9462G83
480	208Y/120	45	(+2, -4 2.5%)	12	690	S34AC	9T73C9463G83
480	208Y/120	75	(+2, -4 2.5%)	12			9T73C9464G83
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	S37AC	9T73C9465G83
480	208Y/120	150	(+2, -4 2.5%)	12	3170	S38AC	9T73C9466G83

K=13 150°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	S31AC	9T73C9471G03
480	208Y/120	30	(+2, -4 2.5%)	12	360	S32AC	9T73C9472G03
480	208Y/120	45	(+2, -4 2.5%)	12	690	S34AC	9T73C9473G03
480	208Y/120	75	(+2, -4 2.5%)	12	850	S35AC	9T73C9474G03
480	208Y/120	112.5	(+2, -4 2.5%)	12	1190	S36AC	9T73C9475G03
480	208Y/120	150	(+2, -4 2.5%)	12	1710	S37AC	9T73C9476G03

K=13 115°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	360	S32AC	9T73C9471G13
480	208Y/120	30	(+2, -4 2.5%)	12	460	S33AC	9T73C9472G13
480	208Y/120	45	(+2, -4 2.5%)	12	690	S34AC	9T73C9473G13
480	208Y/120	75	(+2, -4 2.5%)	12	850	S35AC	9T73C9474G13
480	208Y/120	112.5	(+2, -4 2.5%)	12	1710	S37AC	9T73C9475G13
480	208Y/120	150	(+2, -4 2.5%)	12	1710	S37AC	9T73C9476G13

K=13 80°C Rise NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12			9T73C9471G83
480	208Y/120	30	(+2, -4 2.5%)	12			9T73C9472G83
480	208Y/120	45	(+2, -4 2.5%)	12			9T73C9473G83
480	208Y/120	75	(+2, -4 2.5%)	12	1190	S36AC	9T73C9474G83
480	208Y/120	112.5	(+2, -4 2.5%)	12			9T73C9475G83
480	208Y/120	150	(+2, -4 2.5%)	12			9T73C9476G83

Dry Type Transformers
Ultra Energy Efficient Harmonic Mitigating
Copper (Also available with Aluminum Windings)
Three-Phase NEMA Premium™

0°C Phase Shift NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	S31AC	9T76H9871G03
480	208Y/120	30	(+2, -4 2.5%)	12	360	S32AC	9T76H9872G03
480	208Y/120	45	(+2, -4 2.5%)	12	460	S33AC	9T76H9873G03
480	208Y/120	75	(+2, -4 2.5%)	12	690	S34AC	9T76H9874G03
480	208Y/120	112.5	(+2, -4 2.5%)	12	850	S35AC	9T76H9875G03
480	208Y/120	150	(+2, -4 2.5%)	12	1190	S36AC	9T76H9876G03
480	208Y/120	225	(+2, -4 2.5%)	12	1710	S37AC	9T76H9877G03
480	208Y/120	300	(+2, -4 2.5%)	12	3170	S38AC	9T76H9878G03

-30°C Phase Shift NEMA 2

Input Voltage	Output Voltage	kVA	Taps	Wiring Diagram No.	Approx. Net Weight (Lbs.)	Frame Size	Product Number
480	208Y/120	15	(+2, -4 2.5%)	12	240	S31AC	9T77H9871G03
480	208Y/120	30	(+2, -4 2.5%)	12	360	S32AC	9T77H9872G03
480	208Y/120	45	(+2, -4 2.5%)	12	460	S33AC	9T77H9873G03
480	208Y/120	75	(+2, -4 2.5%)	12	690	S34AC	9T77H9874G03
480	208Y/120	112.5	(+2, -4 2.5%)	12	850	S35AC	9T77H9875G03
480	208Y/120	150	(+2, -4 2.5%)	12	1190	S36AC	9T77H9876G03
480	208Y/120	225	(+2, -4 2.5%)	12	1710	S37AC	9T77H9877G03
480	208Y/120	300	(+2, -4 2.5%)	12	3170	S38AC	9T77H9878G03

Dry Type Transformers
Servicenter Mini-Unit Substations
Integral Transformer and Distribution Center

Product Description

This easily installed and serviceable unit incorporates a Type QMS transformer (single-phase) or a Type QL transformer (three-phase), a primary main circuit breaker, a secondary main circuit breaker, and a load-center-design breaker panel. Since these components don't have to be installed and interconnected separately, the contractor or user can reduce installation time and costs. Because of the single-unit concept, only one, handy Servicenter needs to be mounted.

Available in single-phase, 5 through 25 kVA, and in three-phase, 15 through 30 kVA, 600 Volt class ratings, the GE Servicenter is a convenient, economical way to meet your industrial and temporary power requirements.

The Transformer—The Servicenter utilizes GE transformer design which has twenty years of field-proven experience behind it and a long track record for assuring consistent, reliable performance. Type QMS transformers employ a 180°C UL Recognized insulation system with a 115°C rise. Type QL transformers employ a 220°C UL Recognized insulation system with a 150°C rise.

The Panel—The panel assembly includes the rugged GE PowerMark Plus™ circuit breaker load center interior, E-frame primary breakers, and E-frame or Q Line secondary breakers. The load center will accept one-, two-, or three-pole (three-phase) common trip circuit breakers and ground fault breakers. All Servicenters come equipped with the properly sized primary main and secondary main circuit breakers installed and prewired. Branch breakers are not included.

Advantages

—Transformer, distribution panel and breakers are all designed, built and assembled by GE
—Saves time and money - pre-assembled, pre-wired unit saves time on the job
—High reliability – assembled and tested in our UL approved factory to assure consistency and quality
—Available GE ground-fault breakers ensure electrical safety around construction sites or wherever water may be present

Key Features

—Keyhole mounting flange facilitates easy mounting
—Indoor and outdoor use
—Front-accessible, hinged or removable panel door is safe and convenient
—Heat barrier under core and coil provides electrical and thermal isolation for wiring compartment
—High-efficiency core construction results in quiet transformer operation and low no-load losses
—Factory installed and wired GE main and secondary main circuit breakers

Application

The single-phase Servicenter can be used wherever 480 Volt power is available and 120 or 240 Volt branch circuits are required. The three-phase Servicenter can be used wherever 240 Volt∅, 480 Volt∅ or 600 Volt∅ is available and 208 Volt Y/120 Volt circuits are required. The unit can be used in such applications as vending machine areas, construction laboratory test areas, general construction sites where temporary or quickly obtained power is required, or where future expansion of branch circuits is planned.

—Vending or concession areas
—Office buildings
—Assembly lines
—Mining applications
—Parking lots
—Light industrial areas
—Warehouses
—Construction sites

NEC Requirements

The Servicenter conforms with Article 450-3 of the 1993 National Electric Code.

Single-Phase Servicenter, Hinged Door Removed

Three-Phase Servicenter, Closed View

Dry Type Transformers
Servicenter Mini-Unit Substations
Integral Transformer and Distribution Center
Single-Phase and Three-Phase TP-1

Single-Phase Servicenter

Single-Phase Indoor/Outdoor 60 Hz

Input Voltage	Output Voltage	kVA	Max. Branch Spaces 1 THQL, 1-pole	Max. Branch Spaces 1 THQL, 2-pole	Max. Branch Spaces 1/2 THQP, 1-pole	Max. Branch Spaces 1/2 THQP, 2-pole	Total 1-pole Spaces	Breaker Rating-Primary Main	Breaker Rating-Secondary Main	Product Number
480 Volts	120/240 Volts	5	6	3	12	4	12	25A	30A	9T21S1050
480 Volts	120/240 Volts	7.5	6	3	12	4	12	35A	40A	9T21S1070
480 Volts	120/240 Volts	10	8	4	16	6	16	50A	50A	9T21S1100
480 Volts	120/240 Volts	15	12	6	24	10	24	60A	70A	9T21S1150
480 Volts	120/240 Volts	25	20	10	8	2	24	100A	150A	9T21S1250

Three-Phase Indoor/Outdoor 60 Hz[1] TP-1

Input Voltage	Output Voltage	kVA	Max. Branch Spaces, 1-pole	Max. Branch Spaces 3-pole	Total 1-pole Spaces	Breaker Rating-Primary Main	Breaker Rating-Secondary Main	Product Number
240 Volts	208Y/120 Volts	15	12	4	12	100A	50A	9T83B0001
240 Volts	208Y/120 Volts	22.5	18	6	18	100A	70A	9T83B0002
240 Volts	208Y/120 Volts	30	24	8	24	100A	100A	9T83B0003
480 Volts	208Y/120 Volts	15	12	4	12	40A	50A	9T83B0011
480 Volts	208Y/120 Volts	22.5	18	6	18	70A	70A	9T83B0012
480 Volts	208Y/120 Volts	30	24	8	24	90A	100A	9T83B0013
600 Volts	208Y/120 Volts	15	12	4	12	40A	50A	9T83B0021
600 Volts	208Y/120 Volts	22.5	18	6	18	40A	70A	9T83B0022
600 Volts	208Y/120 Volts	30	24	8	24	40A	100A	9T83B0023

[1](3) 5% taps 1 above and 2 below rated primary volts.

Three-Phase Indoor/Outdoor 60 Hz[1] TP-1 Copper Transformer Windings

Input Voltage	Output Voltage	kVA	Max. Branch Spaces, 1-pole	Max. Branch Spaces 3-pole	Total 1-pole Spaces	Breaker Rating-Primary Main	Breaker Rating-Secondary Main	Product Number
240 Volts	208Y/120 Volts	15	12	4	12	100A	50A	9T83C0001
240 Volts	208Y/120 Volts	22.5	18	6	18	100A	70A	9T83C0002
240 Volts	208Y/120 Volts	30	24	8	24	100A	100A	9T83C0003
480 Volts	208Y/120 Volts	15	12	4	12	40A	50A	9T83C0011
480 Volts	208Y/120 Volts	22.5	18	6	18	70A	70A	9T83C0012
480 Volts	208Y/120 Volts	30	24	8	24	90A	100A	9T83C0013
600 Volts	208Y/120 Volts	15	12	4	12	40A	50A	9T83C0021
600 Volts	208Y/120 Volts	22.5	18	6	18	40A	70A	9T83C0022
600 Volts	208Y/120 Volts	30	24	8	24	40A	100A	9T83C0023

Dry Type Transformers
Servicenter Mini-Unit Substations
Integral Transformer and Distribution Center
Outlines, Dimensions and Wiring Diagrams

Single-Phase

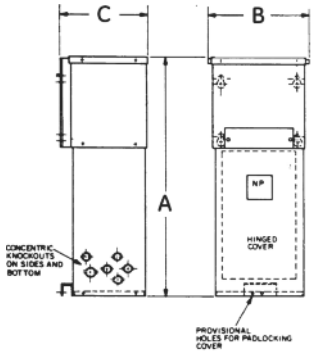
kVA	Product Number	Approx. Net Weight (Lbs.)	"A" Height (in.)	"B" Width (in.)	"C" Depth (in.)	Frame Size
5	9T21S1050	103	32.5	10.75	11.12	16350
7.5	9T21S1070	147	32.5	10.75	11.12	16600
10	9T21S1100	198	35	12.62	12.62	19400
15	9T21S1150	220	35	12.62	12.62	19500
25	9T21S1250	388	44.75	16.75	16	50500

Three-Phase TP-1 Aluminum

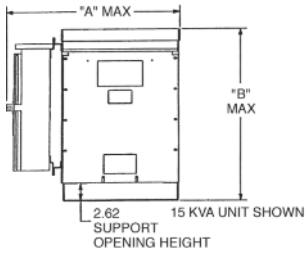
kVA	Product Number	Approx. Net Weight (Lbs.)	"B" Height (in.)	"A" Width (in.)	Depth (in.)	Frame Size
15	9T83B0001	280	27.3	27.4	16.9	XV371
22.5	9T83B0002	450	32.2	34.5	24	XV372
30	9T83B0003	450	32.2	34.5	24	XV372
15	9T83B0011	280	27.3	27.4	16.9	XV371
22.5	9T83B0012	450	32.2	34.5	24	XV372
30	9T83B0013	450	32.2	34.5	24	XV372
15	9T83B0021	280	27.3	27.4	16.9	XV371
22.5	9T83B0022	450	32.2	34.5	24	XV372
30	9T83B0023	450	32.2	34.5	24	XV372

Three-Phase TP-1 Copper

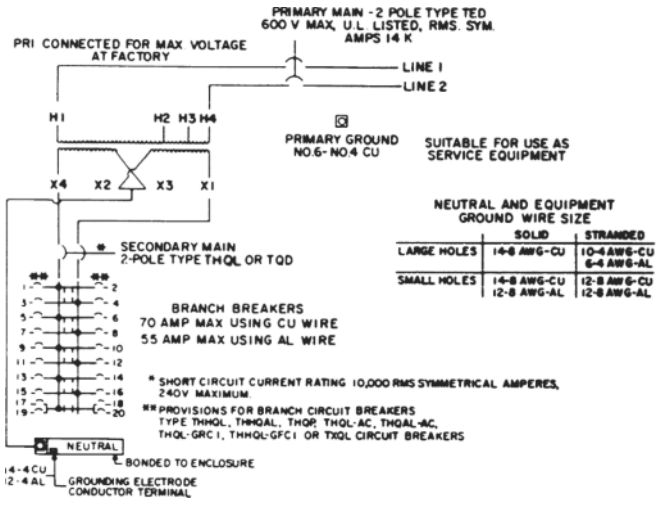
kVA	Product Number	Approx Net Weight (Lbs)	"A" Height (in.)	"B" Height (in.)	"C" Height (in.)	Frame Size
15	9T83C0001	290	27.3	27.4	16.9	XV371
22.5	9T83C0002	460	32.2	34.5	24	XV372
30	9T83C0003	460	32.2	34.5	24	XV372
15	9T83C0011	290	27.3	27.4	16.9	Y371C
22.5	9T83C0012	460	32.2	34.5	24	Y372C
30	9T83C0013	460	32.2	34.5	24	Y372C
15	9T83C0021	290	27.3	27.4	16.9	XV371
22.5	9T83C0022	460	32.2	34.5	24	XV372
30	9T83C0023	460	32.2	34.5	24	XV372



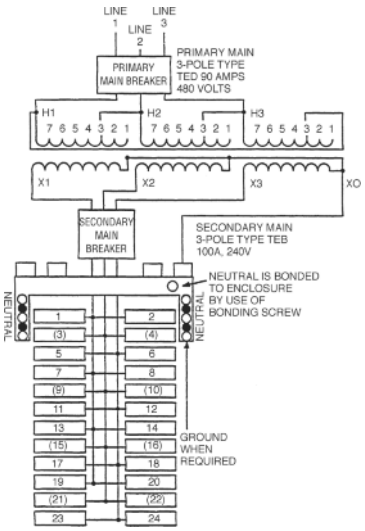
Dimensions Single-Phase



Dimensions Three-Phase



Typical Wiring Diagram Single-Phase



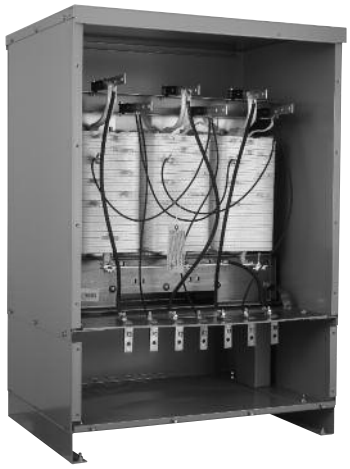
Typical Wiring Diagram Three-Phase[1]

[1]For 22.5 and 15 kVA three-phase Servicenters, secondary main breaker is a backfed plug-in type with positive retainers.

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.

TENV Transformer



TENV Transformer (front panel removed)

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

Dry Type Transformers
Totally Enclosed, Nonventilated
TENV
Three-Phase TP-1

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

Dry Type Transformers
Midtapped
Three-Phase TP-1

Product Description

GE Type QL midtapped transformer enables the user to transform three-phase power from 480 Volts primary to 240 Volts secondary and have 120 Volt, reduced capacity tap (RCT) single-phase capability as well. This is because a single-phase midtap is brought out of one coil of the unit's three-phase secondary winding. These transformers are UL listed, File E-79145.

Application

The Type QL midtapped design can be used wherever there is 480 Volt, three-phase supply available and the load is primarily 240 Volt three-phase with a nominal amount of 120 Volt, single-phase power required. Normally, in this instance, a small single-phase as well as a three-phase transformer would be required to provide the necessary transformation.

Caution: When utilizing the 120 Volt midtap for single-phase applications, the single-phase load should not exceed 5 percent of the three-phase kVA rating. The three-phase kVA load must be reduced by the same percentage as that added by the single-phase load. Additional loading beyond 5 percent may cause the transformer to overheat and fail. If the single-phase load is in excess of 5 percent, it is recommended that a separate single-phase unit be used to handle the load.

Type QL Midtapped Transformer

Aluminum

150°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	240	XV371	9T83B3841
480	240/120	30	(+2,-4 2.5%)	334	XV372	9T83B3842
480	240/120	45	(+2,-4 2.5%)	415	XV373	9T83B3843
480	240/120	75	(+2,-4 2.5%)	620	XV374	9T83B3844
480	240/120	112.5	(+2,-4 2.5%)	765	XV375	9T83B3845
480	240/120	150	(+2,-4 2.5%)	1070	XV376	9T83B3846
480	240/120	225	(+2,-4 2.5%)	1590	XV377	9T83B3847
480	240/120	300	(+2,-4 2.5%)	1820	YF378	9T83B3848
480	240/120	500	(+2,-2 2.5%)	3400	YF379	9T83B3849

115°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	240	XV371	9T83B3841G15
480	240/120	30	(+2,-4 2.5%)	334	XV372	9T83B3842G15
480	240/120	45	(+2,-4 2.5%)	415	XV373	9T83B3843G15
480	240/120	75	(+2,-4 2.5%)	620	XV374	9T83B3844G15
480	240/120	112.5	(+2,-4 2.5%)	1070	XV376	9T83B3845G15
480	240/120	150	(+2,-4 2.5%)	1590	XV377	9T83B3846G15
480	240/120	225	(+2,-4 2.5%)	1820	YF378	9T83B3847G15

80°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	334	XV372	9T83B3841G80
480	240/120	30	(+2,-4 2.5%)	415	XV373	9T83B3842G80
480	240/120	45	(+2,-4 2.5%)	620	XV374	9T83B3843G80
480	240/120	75	(+2,-4 2.5%)	765	XV375	9T83B3844G80
480	240/120	112.5	(+2,-4 2.5%)	1070	XV376	9T83B3845G80
480	240/120	150	(+2,-4 2.5%)	1590	XV377	9T83B3846G80
480	240/120	225	(+2,-4 2.5%)	1820	YF378	9T83B3847G80

Dry Type Transformers
Midtapped
Copper
Three-Phase TP-1

150°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	250	XV371	9T83C9841
480	240/120	30	(+2,-4 2.5%)	377	XV372	9T83C9842
480	240/120	45	(+2,-4 2.5%)	490	XV373	9T83C9843
480	240/120	75	(+2,-4 2.5%)	710	XV374	9T83C9844
480	240/120	112.5	(+2,-4 2.5%)	949	XV375	9T83C9845
480	240/120	150	(+2,-4 2.5%)	1190	XV376	9T83C9846
480	240/120	225	(+2,-4 2.5%)	1710	XV377	9T83C9847
480	240/120	300	(+2,-4 2.5%)	3150	YF378	9T83C9848
480	240/120	500	(+2,-2 2.5%)	4050	YF379	9T83C9849

115°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	250	XV371	9T83C9841G15
480	240/120	30	(+2,-4 2.5%)	377	XV372	9T83C9842G15
480	240/120	45	(+2,-4 2.5%)	490	XV373	9T83C9843G15
480	240/120	75	(+2,-4 2.5%)	710	XV374	9T83C9844G15
480	240/120	112.5	(+2,-4 2.5%)	949	XV375	9T83C9845G15
480	240/120	150	(+2,-4 2.5%)	1710	XV377	9T83C9846G15
480	240/120	225	(+2,-4 2.5%)	3150	YF378	9T83C9847G15

80°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	377	XV372	9T83C9841G80
480	240/120	30	(+2,-4 2.5%)	490	XV373	9T83C9842G80
480	240/120	45	(+2,-4 2.5%)	710	XV374	9T83C9843G80
480	240/120	75	(+2,-4 2.5%)	949	XV375	9T83C9844G80
480	240/120	112.5	(+2,-4 2.5%)	1190	XV376	9T83C9845G80
480	240/120	150	(+2,-4 2.5%)	1710	XV377	9T83C9846G80
480	240/120	225	(+2,-4 2.5%)	3150	YF378	9T83C9847G80

Dry Type Transformers
Drive Isolation
Aluminum
Three-Phase

Application

The use of SCR control circuitry with adjustable-speed drives has resulted in a need for a line of isolation transformers specifically designed to meet the demanding requirements of SCR drives. Symmetrically placed taps and added coil bracing minimize mechanical forces caused by the often severe SCR drive duty cycles. These features also help protect the transformer from the regenerative duty and more frequent short-circuits associated with SCR drives. Isolation transformers also reduce line-pollution feedback resulting from SCR firing circuits. The GE delta-wye designs meet the NEC requirements for grounded secondary neutrals that isolate primary distribution systems. kVA ratings of the DIT line cover most dc motor requirements from 3 to 1000 hp.

Enclosed drive isolation transformers are UL listed.

15 - 220 kVA Indoor Type QL UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
230 Volts Delta	230Y/133 Volts	15	60Hz	16	240	XV371	9T83B4000G29
230 Volts Delta	230Y/133 Volts	20	60Hz	16	334	XV372	9T83B4001G29
230 Volts Delta	230Y/133 Volts	27	60Hz	16	334	XV372	9T83B4002G29
230 Volts Delta	230Y/133 Volts	34	60Hz	16	334	XV372	9T83B4003G29
230 Volts Delta	230Y/133 Volts	40	60Hz	16	415	XV373	9T83B4004G29
230 Volts Delta	230Y/133 Volts	51	60Hz	16	415	XV373	9T83B4005G29
230 Volts Delta	230Y/133 Volts	63	60Hz	16	620	XV374	9T83B4006G29
230 Volts Delta	230Y/133 Volts	75	60Hz	16	620	XV374	9T83B4007G29
230 Volts Delta	230Y/133 Volts	93	60Hz	16	765	XV375	9T83B4008G29
230 Volts Delta	230Y/133 Volts	118	60Hz	16	1070	XV376	9T83B4009G29
230 Volts Delta	230Y/133 Volts	145	60Hz	16	1070	XV376	9T83B4010G29
230 Volts Delta	230Y/133 Volts	175	60Hz	16	1590	XV377	9T83B4011G29
230 Volts Delta	230Y/133 Volts	220	60Hz	16	1590	XV377	9T83B4012G29
230 Volts Delta	460Y/266 Volts	15	60Hz	16	240	XV371	9T83B4000G28
230 Volts Delta	460Y/266 Volts	20	60Hz	16	334	XV372	9T83B4001G28
230 Volts Delta	460Y/266 Volts	27	60Hz	16	334	XV372	9T83B4002G28
230 Volts Delta	460Y/266 Volts	34	60Hz	16	334	XV372	9T83B4003G28
230 Volts Delta	460Y/266 Volts	40	60Hz	16	415	XV373	9T83B4004G28
230 Volts Delta	460Y/266 Volts	51	60Hz	16	415	XV373	9T83B4005G28
230 Volts Delta	460Y/266 Volts	63	60Hz	16	620	XV374	9T83B4006G28
230 Volts Delta	460Y/266 Volts	75	60Hz	16	620	XV374	9T83B4007G28
230 Volts Delta	460Y/266 Volts	93	60Hz	16	765	XV375	9T83B4008G28
230 Volts Delta	460Y/266 Volts	118	60Hz	16	1070	XV376	9T83B4009G28
230 Volts Delta	460Y/266 Volts	145	60Hz	16	1070	XV376	9T83B4010G28
230 Volts Delta	460Y/266 Volts	175	60Hz	16	1590	XV377	9T83B4011G28
230 Volts Delta	460Y/266 Volts	220	60Hz	16	1590	XV377	9T83B4012G28

[1]See page 10-45 for wiring diagrams.

15 - 220 kVA Indoor Type QL UL Listed (continued)

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
460 Volts Delta	230Y/133	15	60 Hz	16	240	XV371	9T83B4000G23
460 Volts Delta	230Y/133	20	60 Hz	16	334	XV372	9T83B4001G23
460 Volts Delta	230Y/133	27	60 Hz	16	334	XV372	9T83B4002G23
460 Volts Delta	230Y/133	34	60 Hz	16	334	XV372	9T83B4003G23
460 Volts Delta	230Y/133	40	60 Hz	16	415	XV373	9T83B4004G23
460 Volts Delta	230Y/133	51	60 Hz	16	415	XV373	9T83B4005G23
460 Volts Delta	230Y/133	63	60 Hz	16	620	XV374	9T83B4006G23
460 Volts Delta	230Y/133	75	60 Hz	16	620	XV374	9T83B4007G23
460 Volts Delta	230Y/133	93	60 Hz	16	765	XV375	9T83B4008G23
460 Volts Delta	230Y/133	118	60 Hz	16	1070	XV376	9T83B4009G23
460 Volts Delta	230Y/133	145	60 Hz	16	1070	XV376	9T83B4010G23
460 Volts Delta	230Y/133	175	60 Hz	16	1590	XV377	9T83B4011G23
460 Volts Delta	230Y/133	220	60 Hz	16	1590	XV377	9T83B4012G23
460 Volts Delta	460Y/266	15	60 Hz	16	240	XV371	9T83B4000G22
460 Volts Delta	460Y/266	20	60 Hz	16	334	XV372	9T83B4001G22
460 Volts Delta	460Y/266	27	60 Hz	16	334	XV372	9T83B4002G22
460 Volts Delta	460Y/266	34	60 Hz	16	334	XV372	9T83B4003G22
460 Volts Delta	460Y/266	40	60 Hz	16	415	XV373	9T83B4004G22
460 Volts Delta	460Y/266	51	60 Hz	16	415	XV373	9T83B4005G22
460 Volts Delta	460Y/266	63	60 Hz	16	620	XV374	9T83B4006G22
460 Volts Delta	460Y/266	75	60 Hz	16	620	XV374	9T83B4007G22
460 Volts Delta	460Y/266	93	60 Hz	16	765	XV375	9T83B4008G22
460 Volts Delta	460Y/266	118	60 Hz	16	1070	XV376	9T83B4009G22
460 Volts Delta	460Y/266	145	60 Hz	16	1070	XV376	9T83B4010G22
460 Volts Delta	460Y/266	175	60 Hz	16	1590	XV377	9T83B4011G22
460 Volts Delta	460Y/266	220	60 Hz	16	1590	XV377	9T83B4012G22
575 Volts Delta	230Y/133	15	60 Hz	16	240	XV371	9T83B4000G27
575 Volts Delta	230Y/133	20	60 Hz	16	334	XV372	9T83B4001G27
575 Volts Delta	230Y/133	27	60 Hz	16	334	XV372	9T83B4002G27
575 Volts Delta	230Y/133	34	60 Hz	16	334	XV372	9T83B4003G27
575 Volts Delta	230Y/133	40	60 Hz	16	415	XV373	9T83B4004G27
575 Volts Delta	230Y/133	51	60 Hz	16	415	XV373	9T83B4005G27
575 Volts Delta	230Y/133	63	60 Hz	16	620	XV374	9T83B4006G27
575 Volts Delta	230Y/133	75	60 Hz	16	620	XV374	9T83B4007G27
575 Volts Delta	230Y/133	93	60 Hz	16	765	XV375	9T83B4008G27
575 Volts Delta	230Y/133	118	60 Hz	16	1070	XV376	9T83B4009G27
575 Volts Delta	230Y/133	145	60 Hz	16	1070	XV376	9T83B4010G27
575 Volts Delta	230Y/133	175	60 Hz	16	1590	XV377	9T83B4011G27
575 Volts Delta	230Y/133	220	60 Hz	16	1590	XV377	9T83B4012G27
575 Volts Delta	460Y/266	15	60 Hz	16	240	XV371	9T83B4000G26
575 Volts Delta	460Y/266	20	60 Hz	16	334	XV372	9T83B4001G26
575 Volts Delta	460Y/266	27	60 Hz	16	334	XV372	9T83B4002G26
575 Volts Delta	460Y/266	34	60 Hz	16	334	XV372	9T83B4003G26
575 Volts Delta	460Y/266	40	60 Hz	16	415	XV373	9T83B4004G26
575 Volts Delta	460Y/266	51	60 Hz	16	415	XV373	9T83B4005G26
575 Volts Delta	460Y/266	63	60 Hz	16	620	XV374	9T83B4006G26
575 Volts Delta	460Y/266	75	60 Hz	16	620	XV374	9T83B4007G26
575 Volts Delta	460Y/266	93	60 Hz	16	765	XV375	9T83B4008G26
575 Volts Delta	460Y/266	118	60 Hz	16	1070	XV376	9T83B4009G26
575 Volts Delta	460Y/266	145	60 Hz	16	1070	XV376	9T83B4010G26
575 Volts Delta	460Y/266	175	60 Hz	16	1590	XV377	9T83B4011G26
575 Volts Delta	460Y/266	220	60 Hz	16	1590	XV377	9T83B4012G26

[1]See page 10-45 for wiring diagrams.

NOTE: Full capacity symmetrical taps (1) +5% and (1) –5%, in primary windings for 230 and 460 Y thru 550 kVA; (1) +6.2% and (1) –6.2% at 750 kVA; (1) +6.4% and (1) –6.4%) at 1000 kVA. With 575 V primary, symmetrical 5% taps apply thru 750 kVA; at 1000 kVA, (1) +5.1% and (1) –5.1%. For ratings less than 15 kV contact GE Energy Sales Office.

Conversion Chart

Decimal	Fraction
.13	1/8
.38	3/8
.63	5/8
.88	7/8

Wall Mount Bracket

Frame Size	Product Number
H371C	9T18Y5042
H372C	9T18Y5042
H373C	9T18Y5042
H374C	9T18Y5043
S31AC	9T18Y5042
S32AC	9T18Y5042
S33AC	9T18Y5042
S34AC	9T18Y5043
XK372	9T18Y5042
XV173	9T18Y5043
XV371	9T18Y5042
XV372	9T18Y5042
XV373	9T18Y5042
XV374	9T18Y5043
Y371A	9T18Y5042
Y371C	9T18Y5042
Y372A	9T18Y5042
Y372C	9T18Y5042
Y373A	9T18Y5042
Y373C	9T18Y5042
Y374A	9T18Y5043
Y374C	9T18Y5043
YF171	9T18Y5042
YF172	9T18Y5043
YF173	9T18Y5043
YF174	9T18Y5043

Bottom Pan

Frame Size	Product Number
F77C	9T18Y4504G77
FC67	9T18Y4504G68
FC68	9T18Y4504G68
FC77	9T18Y4504G77
FC78	9T18Y4504G78
FC79	9T18Y4504G79
S37AC	9T18Y4504G79
S38AC	9T18Y4504G79
XV377	9T18Y4504G79
Y377A	9T18Y4504G79
YF175	9T18Y4504G77
YF176	9T18Y4504G79
YF177	9T18Y4504G79
YF378	9T18Y4504G79
YF379	9T18Y4504G68
XV378	9T18Y4504G79
H375C	9T18Y4504G79
H376C	9T18Y4504G79
L37AA	9T18Y4504G79
L38AA	9T18Y4504G79
L39AA	9T18Y4504G68

Rainshield Kit

Frame Size	Product Number
FC67	9T18Y4322G68
FC68	9T18Y4322G68
FC77	9T18Y4322G77
FC78	9T18Y4322G78
FC79	9T18Y4322G79
H371C	9T18Y4317G11
H372C	9T18Y4317G05
H373C	9T18Y4317G05
H374C	9T18Y4317G06
H375C	9T18Y4322G79
H376C	9T18Y4322G79
S31AC	9T18Y4317G11
S32AC	9T18Y4317G05
S33AC	9T18Y4317G05
S34AC	9T18Y4317G06
S35AC	9T18Y4317G06
S36AC	9T18Y4317G07
S37AC	9T18Y4322G79
S38AC	9T18Y4322G88
XK372	9T18Y4317G05
XV173	9T18Y4317G06
XV371	9T18Y4317G11
XV372	9T18Y4317G05
XV373	9T18Y4317G05
XV374	9T18Y4317G06
XV375	9T18Y4317G06
XV376	9T18Y4317G07
XV377	9T18Y4322G88
Y371A	9T18Y4317G11
Y371C	9T18Y4317G11
Y372A	9T18Y4317G05
Y372C	9T18Y4317G05
Y373A	9T18Y4317G05
Y373C	9T18Y4317G05
Y374A	9T18Y4317G06
Y374C	9T18Y4317G06
Y375C	9T18Y4317G06
Y376C	9T18Y4317G07
YF171	9T18Y4317G05
YF172	9T18Y4317G06
YF173	9T18Y4317G06
YF174	9T18Y4317G06
YF175	9T18Y4322G77
YF176	9T18Y4322G79
YF177	9T18Y4322G79
YF378	9T18Y4322G88
YF379	9T18Y4322G68
XV378	9T18Y4322G88
L37AA	9T18Y4322G88
L38AA	9T18Y4322G88
L39AA	9T18Y4322G68
L47AA	9T18Y4322G98

Lug Kits for QL Transformers

Frame Size	Product Number
F77C	9T18Y7242G02
FC67	9T18Y7242G10
FC68	9T18Y7242G10
FC77	9T18Y7242G02
FC78	9T18Y7242G04
FC79	9T18Y7242G06
H371C	9T18Y7327
H372C	9T18Y7240
H373C	9T18Y7240
H374C	9T18Y7241
H375C	9T18Y7242
H376C	9T18Y7242G03
S31AC	9T18Y7327
S32AC	9T18Y7240
S33AC	9T18Y7240
S34AC	9T18Y7241
S35AC	9T18Y7242
S37AC	9T18Y7242G02
S38AC	9T18Y7242G04
XK372	9T18Y7240
XV173	9T18Y7241G03
XV371	9T18Y7327
XV372	9T18Y7240
XV373	9T18Y7240
XV374	9T18Y7241
XV375	9T18Y7242
XV376	9T18Y7242G03
XV377	9T18Y7242G06
XV378	9T18Y7242G04
Y371A	9T18Y7327
Y371C	9T18Y7327
Y372A	9T18Y7240
Y372C	9T18Y7240
Y373A	9T18Y7240
Y373C	9T18Y7240
Y374A	9T18Y7241
Y374C	9T18Y7241
Y375C	9T18Y7242
Y376C	9T18Y7242G03
Y377A	9T18Y7242G02
YF171	9T18Y7240G02
YF172	9T18Y7241G03
YF174	9T18Y7240G03
YF175	9T18Y7242G07
YF176	9T18Y7242G05
YF378	9T18Y7242G04
YF379	9T18Y7242G06
L37AA	9T18Y7242G02
L38AA	9T18Y7242G04
L39AA	9T18Y7242G06
L47AA	9T18Y7242G10

Lug Kit Information for QL Transformers

Frame Size	Typical Transformer Size	Primary Bus Bar Holes (Qty/Size)	Secondary Bus Bar Holes (Qty/Size)	Specified Lug Kit						
					Lug Size No.1			Lug Size No.2		
				Kit Number	Qty	Conductor Size	Stud Hole Size	Qty	Conductor Size	Stud Hole Size
YF171	1 ph - 15/25 kVA (2670/2671)	(2) .406 dia	(2) .406 dia	9T18Y7240G02[1]	8	6 AWG to 250 MCM	5/16	N/A	N/A	N/A
YF171	1 ph - 37.5 kVA (2672)	(2) .563 dia	(2) .563 dia							
YF172	1 ph - 50 kVA (2673)	(2) .563 dia	(2) .563 dia	9T18Y7241G03	4	6 AWG to 250 MCM	5/16	4	6 AWG to 350 MCM	3/8
YF174	1 ph - 75 kVA (2674)	(2) .563 dia	(2) .563 dia	9T18Y7240G03	12	6 AWG to 250 MCM	5/16	N/A	N/A	N/A
YF175	1 ph -100 kVA (2675)	(2) .563 dia	(2) .563 dia	9T18Y7242G07	12	6 AWG to 350 MCM	3/8	N/A	N/A	N/A
YF176	1 ph - 167 kVA (2676)	(4) .563 dia	(4) .563 dia	9T18Y7242G05	8	6 AWG to 350 MCM	3/8	12	4 AWG to 500 MCM	3/8
XV371	3 ph - 15 kVA (3871)	(2) .406 dia	(2) .406 dia	9T18Y7327[1]	7	14 AWG to 1/0 AWG	1/4	N/A	N/A	N/A
XV372/XV373	3 ph - 30/45 kVA (3872/3873)	(2) .406 dia	(2) .406 dia	9T18Y7240[1]	7	6 AWG to 250 MCM	5/16	N/A	N/A	N/A
XV374	3 ph - 75 kVA (3874)	(2) .406 dia	(2) .406 dia	9T18Y7241	3	6 AWG to 250 MCM	5/16	8	6 AWG to 350 MCM	3/8
XV375	3 ph - 112.5 kVA (3875)	(1) .563 dia	(2) .563 dia	9T18Y7242	11	6 AWG to 350 MCM	3/8	N/A	N/A	N/A
XV376	3 ph - 150 kVA (3876)	(1) .563 dia	(2) .563 dia	9T18Y7242G03	3	6 AWG to 350 MCM	3/8	8	4 AWG to 500 MCM	3/8
XV377	3 ph - 225 kVA (3877)	(2) .563 dia	(4) .563 dia	9T18Y7242G02	22	6 AWG to 350 MCM	3/8	N/A	N/A	N/A
XV378	3 ph - 300 kVA (3878)	(2) .563 dia	(4) .563 dia	9T18Y7242G04	6	6 AWG to 350 MCM	3/8	16	4 AWG to 500 MCM	3/8
XV379	3 ph - 500 kVA (3879)	(4) .563 dia	(6) .563 dia	9T18Y7242G06	9	6 AWG to 350 MCM	3/8	24	4 AWG to 500 MCM	3/8

[1]Proximity of bus bars would prohibit dual lugs per bus bar

TransforMore™ Disconnect Switch Lug Information

(TransforMore™ transformers are supplied with lugs on the primary side of the disconnect switch. This chart provides information on those lugs.)

Frame Size	Lug Part No.	Amps	Qty of Holes Per Lug	Qty of Lugs Per Phase	Primary Load Lugs					
					Lug Hole No.1		Lug Hole No.2		Lug Hole No.3	
					Dia (in.)	UL Certified Wire Sizes Cu-AL	Dia (in.)	UL Certified Wire Sizes Cu-AL	Dia (in.)	UL Certified Wire Sizes Cu-AL
FC77	TCAL43[2]	thru 400	2	1	0.922	2/0 - 600 Kcmil Cu or Al	0.609	6 - 250 Kcmil Cu or Al	N/A	N/A
FC78	TCAL63[3]	450-600	2	1	0.844	4/0-350 Kcmil Cu or 3/0-500 Kcmil Al	0.844	4/0-350 Kcmil Cu or 3/0-500 Kcmil Al	N/A	N/A
FC79	TCAL81[4]	700-1000	3	1	0.844	3/0-500 Kcmil Cu or Al	0.844	3/0-500 Kcmil Cu or Al	0.844	500 MCM
FC67	TCAL81[4]	700-1000	3	2	0.844	3/0-500 Kcmil Cu or Al	0.844	3/0-500 Kcmil Cu or Al	0.844	500 MCM
FC68	TCAL81[4]	700-1000	3	2	0.844	3/0-500 Kcmil Cu or Al	0.844	3/0-500 Kcmil Cu or Al	0.844	500 MCM

[2]May use twin 250 Kcmil Cu or Al.
[3]The TCAL43 lugs could be substituted for the TCAL63 lugs to give customer a 600 mcm hole.
[4]The TCAL124 lubs can be substituted for the TCAL81 lugs. TCAL124 = 3 holes at 350–750 Kcmil (1.055 dia) > some sizing differences.

Enclosure Parts for TransforMore™ Transformers

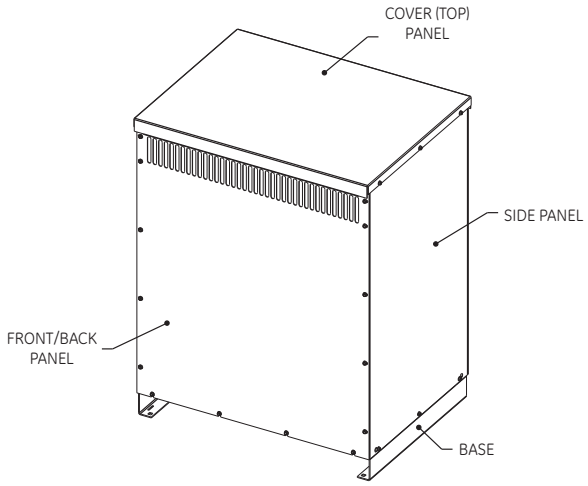
	Frame Size				
	FC77 (225 kVA frame size)	FC78 (300 kVA frame size)	FC79 (500 kVA frame size)	FC67 (750 kVA frame size)	FC68 (1000 kVA frame size)
Description	**Product No.**	**Product No.**	**Product No.**	**Product No.**	**Product No.**
Cover (Top) Panel	9T18Y4501G77	9T18Y4501G78	9T18Y4501G79	9T18Y4501G68	9T18Y4501G68
Front/Back Panel	9T18Y4502G77	9T18Y4502G78	9T18Y4502G79	9T18Y4502G68	9T18Y4502G68
Grill, Front/Back	9T18Y4503G77	9T18Y4503G78	9T18Y4503G79	9T18Y4503G68	9T18Y4503G68
Bottom Pan	9T18Y4504G77	9T18Y4504G78	9T18Y4504G79	9T18Y4504G68	9T18Y4504G68
Side Panel	9T18Y4505G77	9T18Y4505G78	9T18Y4505G79	9T18Y4505G68	9T18Y4505G68
Enclosure Kit[1]	9T18Y4506G77	9T18Y4506G78	9T18Y4506G79	9T18Y4506G68	9T18Y4506G68
Fan Assembly	9T18Y4507G77	9T18Y4507G78	9T18Y4507G79	9T18Y4507G68	9T18Y4507G68
Isomode Pads	9T18Y4508G77	9T18Y4508G78	9T18Y4508G79	9T18Y4508G68	9T18Y4508G68
Disconnect Switch	9T18Y4509G77	9T18Y4509G78	9T18Y4509G79	9T18Y4509G68	9T18Y4509G68
Rainshield Kit	9T18Y4322G77	9T18Y4322G78	9T18Y4322G79	9T18Y4322G68	9T18Y4322G68

[1]Enclosure Kit Contains 2 Side Panels, 2 Front/Back panels, and Cover

Enclosure Parts for QL Transformers

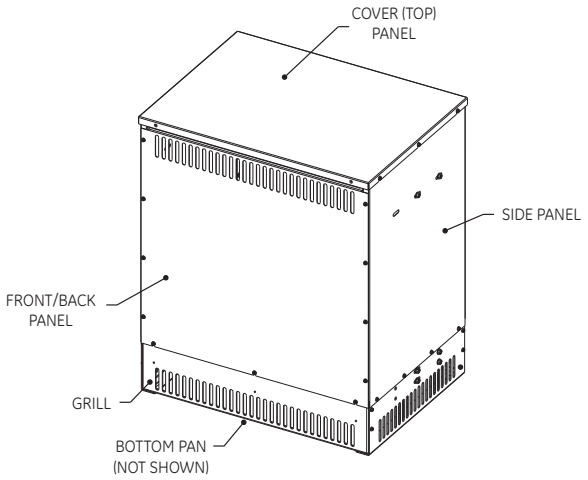
	Enclosure Kit[2]	Front/Back Panel	Side Panel	Cover (Top) Panel	Base
Frame Size	**Product No.**	**Product No.**	**Product No.**	**Product No.**	**Product No.**
XV371	9T18Y4421	9T18Y4421G03	9T18Y4421G04	9T18Y4421G05	
XV372	9T18Y4412	9T18Y4412G03	9T18Y4412G04	9T18Y4412G05	
XV373	9T18Y4412	9T18Y4412G03	9T18Y4412G04	9T18Y4412G05	Not User Replaceable
XV374	9T18Y4413	9T18Y4413G03	9T18Y4413G04	9T18Y4414G05	Contact Technical Support
XV375	9T18Y4414	9T18Y4414G03	9T18Y4414G04	9T18Y4414G05	
XV376	9T18Y4415	9T18Y4415G03	9T18Y4415G04	9T18Y4415G05	
XV377	9T18Y4506G79	9T18Y4502G79	9T18Y4505G79	9T18Y4501G79	

[2]Enclosure Kit Contains 2 Front/Backs, 2 Sides, 1 Cover



ENCLOSURE KIT: 1 COVER + 2 SIDES + 2 FRONTS

QL Style Enclosure



ENCLOSURE KIT: 1 COVER + 2 SIDES + 2 FRONTS

TransforMore™ Style Enclosure

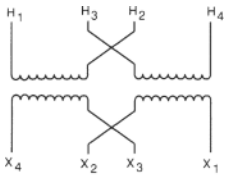


Diagram 1

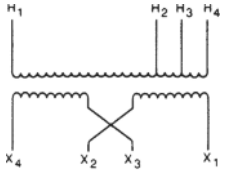


Diagram 2

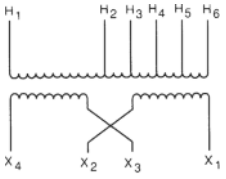


Diagram 3

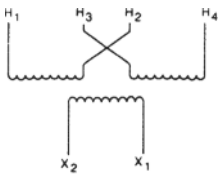


Diagram 4

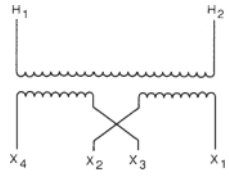


Diagram 5

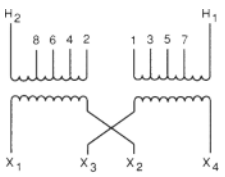


Diagram 6

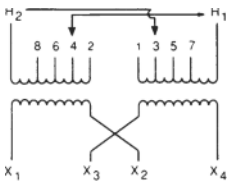


Diagram 7

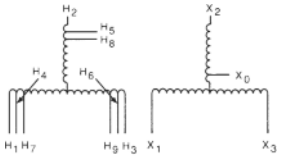


Diagram 8

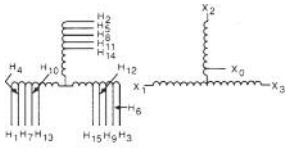


Diagram 9

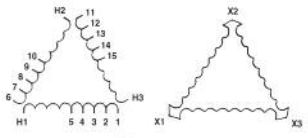


Diagram 10

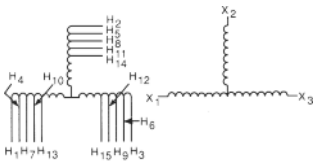


Diagram 11

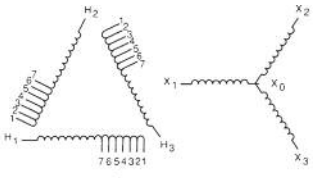


Diagram 12

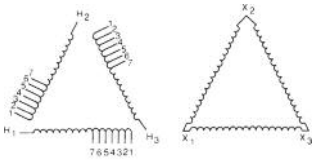


Diagram 13

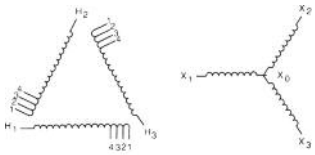


Diagram 14

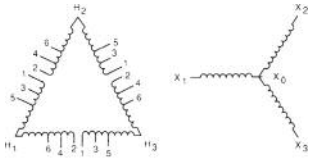


Diagram 15

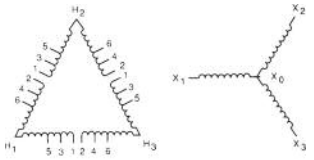


Diagram 16

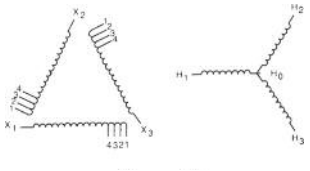


Diagram 17

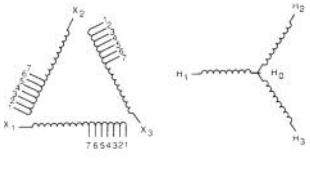


Diagram 18

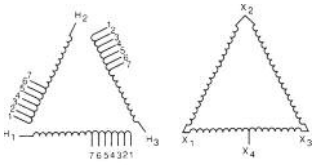


Diagram 19

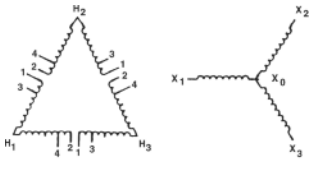


Diagram 20

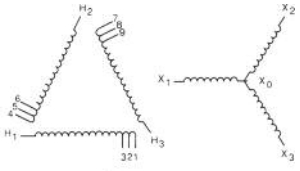


Diagram 21

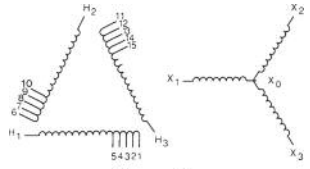


Diagram 22

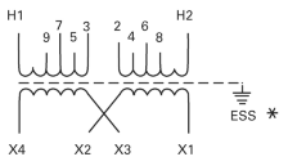


Diagram 23

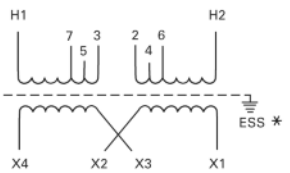


Diagram 24

Dry Type Transformers
Dimensions

QL Transformer
(Front Panel Removed)

TransforMore™ Transformer

1-Phase Vented QL Transformers

Frame Size	Outline Drawing No.	Height (In.)	Width (In.)	Depth (In.)
YF171	303B406AAP071	32.1	23.8	18.4
YF172	303B406AAP072	35.7	31.8	24
XV173	303B406AAP073	35.7	31.8	24
YF174	303B406AAP074	39.9	31.8	24
YF175	303B932AAP075	37.4	29.5	28.5
YF176	303B932AAP076	45.5	38.5	33
YF177	303B932AAP077	45.5	38.5	33

3-Phase, Vented, Non-Fan Cooled QL Transformers (9T8, 9T7, 9T6 models)

Includes General Purpose, K-Factor, K-Factor Low Noise, Low Noise, Guard I, Midtapped, Drive Isolation

Frame Size	Outline Drawing	Height (in.)	Width (In.)	Depth (In.)
XV371	303B401AAP071	27.3	18.7	16.9
Y371A	303B401AAP071	27.3	18.7	16.9
Y371C	303B401AAP071	27.3	18.7	16.9
XV372	303B401AAP072	32.1	23.8	18.4
XK372	303B401AAP072	32.1	23.8	18.4
Y372A	303B401AAP072	32.1	23.8	18.4
Y372C	303B401AAP072	32.1	23.8	18.4
XV373	303B401AAP073	32.1	23.8	18.4
Y373A	303B401AAP073	32.1	23.8	18.4
Y373C	303B401AAP073	32.1	23.8	18.4
XV374	303B401AAP074	35.7	31.8	24
Y374A	303B401AAP074	35.7	31.8	24
Y374C	303B401AAP074	35.7	31.8	24
XV375	303B401AAP075	39.9	31.8	24
Y375C	303B401AAP075	39.9	31.8	24
XV376	303B401AAP076	45.9	34.8	24
Y376C	303B401AAP076	45.9	34.8	24
L47AA	303B912AAP167	65.7	57.7	48.2
L37AA	303B912AAP177	45.4	38.4	33
L38AA	303B912AAP178	57.1	38.4	33
L39AA	303B912AAP179	65.7	47.1	38
XV377	303B919AAP077	45.5	38.5	33
Y377A	303B919AAP077	45.5	38.5	33
YF378	303B919AAP178	57.1	38.5	33
YF379	303B919AAP179	65.7	47.3	38

3-Phase Fan-Cooled TransforMore™ Transformers (9T4-models)

Includes General Purpose, K-Factor, K-Factor Low Noise, Low Noise, Guard I, Midtapped, and Drive Isolation

Frame Size	Outline Drawing	Height (in.)	Width (In.)	Depth (In.)
FC77	303B899AAP077	37.3	29.5	28.5
FC78	303B899AAP078	40.9	34.8	25.6
FC79	303B899AAP079	45.4	38.5	33.6
FC67	303B899AAP067	57.5	47.5	40
FC68	303B899AAP068	57.5	47.5	40

Servicenter Transformers

Frame Size	Outline Drawing	Height (in.)	Width (In.)	Depth (In.)
16350	303B915AAP005	32.5	10.75	11.12
16600	303B915AAP007	32.5	10.75	11.12
19400	303B915AAP010	35	12.62	12.62
19500	303B915AAP015	35	12.62	12.62
50500	303B915AAP025	44.75	16.75	16
XV371	303B404AAP015	27.3	27.4	16.9
XV372	303B404AAP022	32.2	34.5	24
XV372	303B404AAP030	32.2	34.5	24
Y371C	303B404AAP015	27.3	27.4	16.9
Y372C	303B404AAP022	32.2	34.5	24
Y372C	303B404AAP030	32.2	34.5	24

QMS Transformers

Frame Size	Outline Drawing	Height (in.)	Width (In.)	Depth (In.)
16350	303B923AAP005	14.5	10.62	11
16400	303B923AAP005	14.5	10.62	11
16450	303B923AAP005	14.5	10.62	11
16600	303B923AAP007	17.06	10.62	11
19400	303B923AAP010	17.06	12.5	12.5
19450	303B923AAP010	17.06	12.5	12.5
19500	303B915AAP015	35	12.62	12.62
1619	303B922AAP001	14.50	10.75	11.12
1620	303B922AAP001	14.50	10.75	11.12
1921	303B922AAP003	17.12	12.62	12.75
1923	303B922AAP004	18.81	14.75	14.53
50500	303B915AAP025	44.75	16.75	16

Guard II Transformers

Frame Size	Outline Drawing No.	Height (In.)	Width (In.)	Depth (In.)
XV371	303B403AAP071	34.5	18.7	16.9
XV372	303B403AAP072	41.3	23.8	18.4
XV373	303B403AAP073	41.3	23.8	18.4
XV374	303B403AAP074	44.8	31.8	24
XV375	303B403AAP075	49.1	31.8	24

Guard III Harmonic Mitigating

Frame Size	Outline Drawing No.	Height (In.)	Width (In.)	Depth (In.)
H371C	303B431AAP071	32.3	23.8	18.4
H372C	303B431AAP072	35.7	31.8	24
H373C	303B431AAP073	35.7	31.8	24
H374C	303B431AAP074	39.9	31.8	24
H375C	303B931AAP075	45.5	38.6	33
H376C	303B931AAP076	45.4	38.5	33

TENV Transformers

Frame Size	Outline Drawing No.	Height (In.)	Width (In.)	Depth (In.)
XV372	303B405AAP072	41.3	23.8	18.4
XV373	303B405AAP073	41.3	23.8	18.4
XV374	303B405AAP074	44.8	31.8	24
XV375	303B405AAP075	49.1	31.8	24

QB Transformers

Frame Size	Outline Drawing No.	Height (In.)	Width (In.)	Depth (In.)
6100	303B920AAP001	6.38	5.12	3.25
6150	303B920AAP001	6.38	5.12	3.25
6200	303B920AAP001	6.38	5.12	3.25
8175	303B920AAP002	7.38	6.12	4.25
8200	303B920AAP002	7.38	6.12	4.25
10200	303B920AAP003	8.38	6.88	4.88
10225	303B920AAP003	8.38	6.88	4.88
12200	303B920AAP004	9.62	7.88	5.5
12225	303B920AAP004	9.62	7.88	5.5
12275	303B920AAP004	9.62	7.88	5.5
12300	303B920AAP004	9.62	7.88	5.5
14200	303B920AAP005	11.12	9.38	6.72
14225	303B920AAP005	11.12	9.38	6.72
14250	303B920AAP005	11.12	9.38	6.72
14300	303B920AAP005	11.12	9.38	6.72
14350	303B920AAP005	11.12	9.38	6.72
14400	303B920AAP005	11.12	9.38	6.72

Dry Type Transformers
General Purpose Encapsulated
Single-Phase NEMA 3R

.050 - 3 kVA Indoor/Outdoor Type QB UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Taps	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts, 480 Volts	120/240 Volts	0.05	60 Hz	No Taps	1	6	6100	9T51B0002
240 x 480 Volts	120/240 Volts	0.05	50 Hz	No Taps	1	6	6100	9T51B0502
240 x 480 Volts, 480 Volts	120/240 Volts	0.075	60 Hz	No Taps	1	6	6200	9T51B0003
240 x 480 Volts	120/240 Volts	0.075	50 Hz	No Taps	1	6	6200	9T51B0503
240 x 480 Volts, 480 Volts	120/240 Volts	0.1	60 Hz	No Taps	1	6	6200	9T51B0004
240 x 480 Volts	120/240 Volts	0.1	50 Hz	No Taps	1	6	6200	9T51B0504
240 x 480 Volts, 480 Volts	120/240 Volts	0.15	60 Hz	No Taps	1	10	8175	9T51B0005
240 x 480 Volts	120/240 Volts	0.15	50 Hz	No Taps	1	10	8175	9T51B0505
240 x 480 Volts, 480 Volts	120/240 Volts	0.25	60 Hz	No Taps	1	10	8175	9T51B0007
240 x 480 Volts	120/240 Volts	0.25	50 Hz	No Taps	1	10	8200	9T51B0507
240 x 480 Volts, 480 Volts	120/240 Volts	0.5	60 Hz	No Taps	1	16	10200	9T51B0008
240 x 480 Volts	120/240 Volts	0.5	50 Hz	No Taps	1	20	10225	9T51B0508
240 x 480 Volts, 480 Volts	120/240 Volts	0.75	60 Hz	No Taps	1	25	12200	9T51B0009
240 x 480 Volts	120/240 Volts	0.75	50 Hz	No Taps	1	25	12225	9T51B0509
240 x 480 Volts, 480 Volts	120/240 Volts	1	60 Hz	No Taps	1	25	12225	9T51B0010
240 x 480 Volts	120/240 Volts	1	50 Hz	No Taps	1	30	12275	9T51B0510
240 x 480 Volts, 480 Volts	120/240 Volts	1.5	60 Hz	No Taps	1	40	14200	9T51B0011
240 x 480 Volts	120/240 Volts	1.5	50 Hz	No Taps	1	40	14225	9T51B0511
240 x 480 Volts, 480 Volts	120/240 Volts	2	60 Hz	No Taps	1	45	14250	9T51B0012
240 x 480 Volts	120/240 Volts	2	50 Hz	No Taps	1	50	14300	9T51B0512
240 x 480 Volts, 480 Volts	120/240 Volts	3	60 Hz	No Taps	1	55	14350	9T51B0013
240 x 480 Volts	120/240 Volts	3	50 Hz	No Taps	1	60	14400	9T51B0513
480 Volts	120/240 Volts	0.5	50 Hz	(-2 5.0%)	2	20	10225	9T51B0548
480 Volts	120/240 Volts	0.75	50 Hz	(-2 5.0%)	2	25	12200	9T51B0549
480 Volts	120/240 Volts	1	60 Hz	(-2 5.0%)	2	25	12225	9T51B0050
480 Volts	120/240 Volts	1	50 Hz	(-2 5.0%)	2	30	12275	9T51B0550
480 Volts	120/240 Volts	1.5	60 Hz	(-2 5.0%)	2	40	14200	9T51B0051
480 Volts	120/240 Volts	1.5	50 Hz	(-2 5.0%)	2	40	14225	9T51B0551
480 Volts	120/240 Volts	2	60 Hz	(-2 5.0%)	2	45	14250	9T51B0052
480 Volts	120/240 Volts	2	50 Hz	(-2 5.0%)	2	50	14300	9T51B0552
480 Volts	120/240 Volts	3	60 Hz	(-2 5.0%)	2	55	14350	9T51B0053
480 Volts	120/240 Volts	3	60 Hz	(+2,-2 2.5%)	3	55	14350	9T51B0135
480 Volts	120/240 Volts	3	50 Hz	(-2 5.0%)	2	60	14400	9T51B0553
600 Volts	120/240 Volts	0.05	60 Hz	No Taps	5	6	6100	9T51B0082
600 Volts	120/240 Volts	0.075	60 Hz	No Taps	5	6	6200	9T51B0083
600 Volts	120/240 Volts	0.1	60 Hz	No Taps	5	6	6200	9T51B0084
600 Volts	120/240 Volts	0.1	50 Hz	No Taps	5	6	6200	9T51B0584
600 Volts	120/240 Volts	0.15	60 Hz	No Taps	5	10	8175	9T51B0085
600 Volts	120/240 Volts	0.25	60 Hz	No Taps	5	10	8175	9T51B0087
600 Volts	120/240 Volts	0.25	50 Hz	No Taps	5	10	8200	9T51B0587
600 Volts	120/240 Volts	0.5	60 Hz	No Taps	5	16	10200	9T51B0088
600 Volts	120/240 Volts	0.5	50 Hz	(-2 5.0%)	2	20	10225	9T51B0568
600 Volts	120/240 Volts	0.75	60 Hz	No Taps	5	25	12200	9T51B0089
600 Volts	120/240 Volts	0.75	50 Hz	(-2 5.0%)	2	25	12200	9T51B0569
600 Volts	120/240 Volts	1	60 Hz	(-2 5.0%)	2	25	12225	9T51B0070
600 Volts	120/240 Volts	1	60 Hz	No Taps	5	25	12225	9T51B0090
600 Volts	120/240 Volts	1	50 Hz	(-2 5.0%)	2	30	12275	9T51B0570
600 Volts	120/240 Volts	1.5	60 Hz	(-2 5.0%)	2	40	14200	9T51B0071
600 Volts	120/240 Volts	1.5	60 Hz	No Taps	5	40	14200	9T51B0091
600 Volts	120/240 Volts	1.5	50 Hz	(-2 5.0%)	2	40	14225	9T51B0571
600 Volts	120/240 Volts	2	60 Hz	(-2 5.0%)	2	45	14250	9T51B0072
600 Volts	120/240 Volts	2	60 Hz	No Taps	5	45	14250	9T51B0092
600 Volts	120/240 Volts	2	50 Hz	(-2 5.0%)	2	50	14300	9T51B0572
600 Volts	120/240 Volts	2	50 Hz	No Taps		50	14300	9T51B0592
600 Volts	120/240 Volts	3	60 Hz	(-2 5.0%)	2	55	14350	9T51B0073
600 Volts	120/240 Volts	3	60 Hz	No Taps	5	55	14350	9T51B0093
600 Volts	120/240 Volts	3	50 Hz	(-2 5.0%)	2	60	14400	9T51B0573
600 Volts	120/240 Volts	3	50 Hz	No Taps		60	14400	9T51B0593

[1]See page 10-45 for wiring diagrams.

.050 - 3 kVA Indoor/Outdoor Type QB UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Taps	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
120 x 240 Volts	120/240 Volts	0.05	60 Hz	No Taps	1	6	6100	9T51B0022
120 x 240 Volts	120/240 Volts	0.1	60 Hz	No Taps	1	6	6200	9T51B0024
120 x 240 Volts	120/240 Volts	0.15	60 Hz	No Taps	1	10	8175	9T51B0025
120 x 240 Volts	120/240 Volts	0.25	60 Hz	No Taps	1	10	8175	9T51B0027
120 x 240 Volts	120/240 Volts	0.5	60 Hz	No Taps	1	16	10200	9T51B0028
120 x 240 Volts	120/240 Volts	0.75	60 Hz	No Taps	1	25	12200	9T51B0029
120 x 240 Volts	120/240 Volts	1	60 Hz	No Taps	1	25	12225	9T51B0030
120 x 240 Volts	120/240 Volts	1.5	60 Hz	No Taps	1	40	14200	9T51B0031
120 x 240 Volts	120/240 Volts	2	60 Hz	No Taps	1	45	14250	9T51B0032
120 x 240 Volts	120/240 Volts	3	60 Hz	No Taps	1	60	14400	9T51B0033
208 Volts	120/240 Volts	0.5	60 Hz	No Taps	4	16	10200	9T51B0158
208 Volts	120/240 Volts	0.75	60 Hz	No Taps	4	25	12200	9T51B0159
208 Volts	120/240 Volts	1	60 Hz	No Taps	4	25	12225	9T51B0160
208 Volts	120/240 Volts	2	60 Hz	No Taps	4	45	14250	9T51B0156
208 Volts	120/240 Volts	3	60 Hz	No Taps	4	55	14350	9T51B0157

.050 - 3 kVA Indoor/Outdoor Type QB UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Taps	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
277 Volts	120/240 Volts	0.25	60 Hz	(-2 5.1%)	2	10	8175	9T51B0187
277 Volts	120/240 Volts	0.5	60 Hz	(-2 5.1%)	2	16	10200	9T51B0188
277 Volts	120/240 Volts	0.75	60 Hz	(-2 5.1%)	2	25	12200	9T51B0189
277 Volts	120/240 Volts	1	60 Hz	(-2 5.1%)	2	30	12275	9T51B0190
277 Volts	120/240 Volts	1.5	60 Hz	(-2 5.1%)	2	40	14200	9T51B0191
277 Volts	120/240 Volts	2	60 Hz	(-2 5.1%)	2	45	14250	9T51B0192
277 Volts	120/240 Volts	3	60 Hz	(-2 5.1%)	2	55	14350	9T51B0193
380/400/416 Volts	120/240 Volts	0.05	50 Hz	No Taps	2	6	6150	9T51B0162
380/400/416 Volts	120/240 Volts	0.15	50 Hz	No Taps	2	10	8175	9T51B0165
380/400/416 Volts	120/240 Volts	0.25	50 Hz	No Taps	2	10	8200	9T51B0167
380/400/416 Volts	120/240 Volts	0.5	50 Hz	No Taps	2	20	10225	9T51B0168
380/400/416 Volts	120/240 Volts	0.75	50 Hz	No Taps	2	25	12200	9T51B0169
380/400/416 Volts	120/240 Volts	1	50 Hz	No Taps	2	30	12275	9T51B0170
380/400/416 Volts	120/240 Volts	1.5	50 Hz	No Taps	2	40	14225	9T51B0171
380/400/416 Volts	120/240 Volts	2	50 Hz	No Taps	2	50	14300	9T51B0172
380/400/416 Volts	120/240 Volts	3	50 Hz	No Taps	2	60	14400	9T51B0173

[1]See page 10-45 for wiring diagrams.

5 - 25 kVA Indoor/Outdoor Type QMS 115°C Rise UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Taps	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
120 x 240 Volts	120/240 Volts	5	60 Hz	No Taps	1	103	16350	9T21B1001G02
120 x 240 Volts	120/240 Volts	7.5	60 Hz	No Taps	1	147	16600	9T21B1002G02
120 x 240 Volts	120/240 Volts	10	60 Hz	No Taps	1	198	19400	9T21B1003G02
120 x 240 Volts	120/240 Volts	10	60 Hz	No Taps	1	198	19400	9T21B1054G02
120 x 240 Volts	120/240 Volts	15	60 Hz	No Taps	1	220	19500	9T21B9101
120 x 240 Volts	120/240 Volts	15	60 Hz	No Taps	1	233	19550	9T21B9131
120 x 240 Volts	120/240 Volts	25	60 Hz	No Taps	1	233	19550	9T21B9102
208 Volts	120/240 Volts	5	60 Hz	No Taps	4	103	16350	9T21B1028G02
208 Volts	120/240 Volts	7.5	60 Hz	No Taps	4	147	16600	9T21B1029G02
208 Volts	120/240 Volts	10	60 Hz	No Taps	4	198	19400	9T21B1030G02
208 Volts	120/240 Volts	15	60 Hz	No Taps	4	220	19500	9T21B9119
208 Volts	120/240 Volts	25	60 Hz	No Taps	4	388	50500	9T21B9120

[1]See page 10-45 for wiring diagrams.
[2]For Outdoor NEMA 3R Enclosure add suffix G62 to product number.

5 - 25 kVA Indoor/Outdoor Type QMS 115°C Rise UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Taps	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
277 Volts	120/240 Volts	5	60 Hz	(-2 5.1%)	2	103	16350	9T21B1046G02
277 Volts	120/240 Volts	5	60 Hz	(-2 2.5%)	2	103	16350	9T21B1265G02
277 Volts	120/240 Volts	7.5	60 Hz	(-2 5.1%)	2	147	16600	9T21B1047G02
277 Volts	120/240 Volts	10	60 Hz	(-2 5.1%)	2	198	19400	9T21B1048G02
277 Volts	120/240 Volts	10	60 Hz	(-2 2.5%)	2	198	19400	9T21B1266G02
277 Volts	120/240 Volts	15	60 Hz	(-2 5.1%)	2	220	19500	9T21B9143
277 Volts	120/240 Volts	25	60 Hz	(-2 4.7%)	2	388	50500	9T21B9144

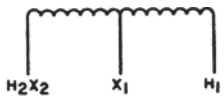
[1]See page 10-45 for wiring diagrams.

5 - 25 kVA Indoor/Outdoor Type QMS 115°C Rise UL Listed C-UL Listed

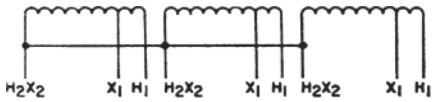
Input Voltage	Output Voltage	kVA	Frequency (Hz)	Taps	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	5	60	No Taps	1	103	16350	9T21B1004G02
240 x 480 Volts	120/240 Volts	5	50	No Taps	1	115	16400	9T21B1055G02
240 x 480 Volts	120/240 Volts	7.5	60	No Taps	1	147	16600	9T21B1005G02
240 x 480 Volts	120/240 Volts	7.5	50	No Taps	1	174	16600	9T21B1056G02
240 x 480 Volts	120/240 Volts	10	60	No Taps	1	198	19400	9T21B1006G02
240 x 480 Volts	120/240 Volts	10	50	No Taps	1	198	19400	9T21B1057G02
240 x 480 Volts	120/240 Volts	15	60	No Taps	1	220	19500	9T21B9103
240 x 480 Volts	120/240 Volts	15	50	No Taps	1	233	19550	9T21B9133
240 x 480 Volts	120/240 Volts	25	60	No Taps	1	388	50500	9T21B9104
240 x 480 Volts	120/240 Volts	25	50	No Taps	1	428	50600	9T21B9134
480 Volts	120/240 Volts	5	60	(-2 5.0%)	2	103	16350	9T21B1007G02
480 Volts	120/240 Volts	5	60	(+2,-2 2.5%)	3	103	16350	9T21B1013G02
480 Volts	120/240 Volts	7.5	60	(-2 5.0%)	2	147	16600	9T21B1008G02
480 Volts	120/240 Volts	7.5	60	(+2,-2 2.5%)	3	147	16600	9T21B1014G02
480 Volts	120/240 Volts	10	60	(-2 4.9%)	2	198	19400	9T21B1009G02
480 Volts	120/240 Volts	10	60	(+2,-2 2.6%)	3	198	19400	9T21B1015G02
480 Volts	120/240 Volts	15	60	(-2 5.0%)	2	220	19500	9T21B9105
480 Volts	120/240 Volts	15	60	(+2,-2 2.5%)	3	220	19500	9T21B9109
480 Volts	120/240 Volts	25	60	(-2 5.0%)	2	388	50500	9T21B9106
480 Volts	120/240 Volts	25	60	(+2,-2 2.5%)	3	388	50500	9T21B9110
600 Volts	120/240 Volts	5	60	No Taps	5	103	16350	9T21B1016G02
600 Volts	120/240 Volts	5	60	(-2 5.0%)	2	103	16350	9T21B1019G02
600 Volts	120/240 Volts	5	60	(+2,-2 2.5%)		107	16350	9T21B1025G02
600 Volts	120/240 Volts	7.5	60	(-2 5.0%)	2	147	16600	9T21B1020G02
600 Volts	120/240 Volts	10	60	(-2 4.9%)	2	198	19400	9T21B1021G02
600 Volts	120/240 Volts	15	60	No Taps	5	220	19500	9T21B9111
600 Volts	120/240 Volts	15	60	(-2 4.8%)	2	220	19500	9T21B9113
600 Volts	120/240 Volts	25	60	(-2 5.0%)	2	388	50500	9T21B9114

[1]See page 10-45 for wiring diagrams..

Dry Type Transformers
Buck-Boost
Encapsulated
Autotransformers
For Bucking and Boosting Voltage



Wiring Diagram: Single-Phase



Wiring Diagram: Three-Phase

Application

For General Lighting and Power Service

Autotransformers are more economical than isolation transformers designed to carry the same load. Within their voltage limitations, they will perform the same function as transformers with the exception of insulating two circuits. You can use these autotransformers to obtain 120 Volts from a 240 Volt circuit, to derive a neutral on a 240 Volt, two-wire circuit, or to balance a 120/240 Volt, three-wire circuit. They also may be used in banks on polyphase circuits. See footnotes below.

For Bucking or Boosting Voltage of Single-Phase Indoor/Outdoor Type QB 60 Hz UL Listed CSA Certified[1]

Input Voltage	Output Voltage	kVA[2]	Height (in)	Width (in)	Depth (in)	Approx. Net Weight (Lbs.)	Frame Size	Product Number
240/120 Volts	120 or 240/120 Volts (Three-Wire)	0.5	7.38	6.13	4.25	10	8175	9T51B0136
240/120 Volts	120 or 240/120 Volts (Three-Wire)	0.75	8.38	6.88	4.88	16	10200	9T51B0137
240/120 Volts	120 or 240/120 Volts (Three-Wire)	1	8.38	6.88	4.88	16	10200	9T51B0138
240/120 Volts	120 or 240/120 Volts (Three-Wire)	1.5	9.63	7.88	5.5	25	12200	9T51B0139
240/120 Volts	120 or 240/120 Volts (Three-Wire)	2	9.63	7.88	5.5	25	12225	9T51B0140
240/120 Volts	120 or 240/120 Volts) (Three-Wire)	3	11.13	9.38	6.75	40	14200	9T51B0141
240/120 Volts	120 or 240/120 Volts (Three-Wire)	5	11.13	9.38	6.75	60	14400	9T51B0142

[1]Through 3 kVA

For Bucking or Boosting Voltage of Single-Phase Indoor/Outdoor Type QMS 60 Hz UL Listed CSA Certified

Input Voltage	Output Voltage	kVA[2]	Height (in)	Width (in)	Depth (in)	Approx. Net Weight (Lbs.)	Frame Size	Product Number
240/120 Volts	120 or 240/120 Volts (Three-Wire)	10	14.50	10.62	11.00	103	16350	9T21B4553G02
240/120 Volts	120 or 240/120 Volts (Three-Wire)	15	17.06	10.62	11.00	147	16600	9T21B9201
240/120 Volts	120 or 240/120 Volts (Three-Wire)	25	17.06	12.50	12.50	220	19500	9T21B9202

[2]kVA output at 120 Volts, two-wire, or allowable unbalance at 240/120 Volts, three-wire.

For Boosting Voltage of Three-Phase Indoor/Outdoor Type QB 60 Hz UL Listed

Input Voltage	Output Voltage	kVA[3]	Height (in)	Width (in)	Depth (in)	Approx. Net Weight (Lbs.)	Frame Size	Product Number
208Y/120 Volts	230/133 Volts	6	7.38	6.13	4.25	10	8175	9T51B0143
208Y/120 Volts	230/133 Volts	9	8.38	6.88	4.88	16	10200	9T51B0144
208Y/120 Volts	230/133 Volts	15	8.38	6.88	4.88	20	10225	9T51B0145
208Y/120 Volts	230/133 Volts	30	9.63	7.88	5.50	30	12275	9T51B0146
208Y/120 Volts	230/133 Volts	45	11.13	9.38	6.75	40	14200	9T51B0147
208Y/120 Volts	230/133 Volts	75	11.13	9.38	6.75	60	14400	9T51B0148
208Y/120 Volts	240/120 Volts	6	7.38	6.13	4.25	10	8175	9T51B0150
208Y/120 Volts	240/120 Volts	15	9.63	7.88	5.50	25	12200	9T51B0152
208Y/120 Volts	240/120 Volts	30	11.13	9.38	6.75	40	14200	9T51B0153
208Y/120 Volts	240/120 Volts	45	11.13	9.38	6.75	45	14250	9T51B0154

[3]Bank of three single-phase autotransformers to be connected wye. Price is for one single unit. Dimensions and weights are for each unit in bank. Each single autotransformer is rated 1/3 of the bank kVA rating. Order three single-phase transformers for each three-phase bank.

Conversion Chart

Decimal	Fraction
.13	1/8
.38	3/8
.63	5/8
.88	7/8

Dry Type Transformers
Buck-Boost
Encapsulated
For Bucking and Boosting Voltage

Product Description

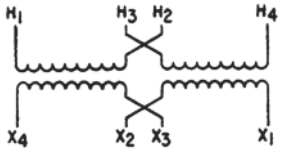
Buck boost transformers are small, single-phase, dry type distribution transformers designed and shipped as insulating/isolating transformers. They have a dual voltage primary and a dual voltage secondary. These transformers can be connected for a wide range of voltage combinations. The most common use is to buck (lower) or boost (raise) the supply voltage a small amount, usually 5 to 27%. Buck boost transformers comply with NEC Article 210-9, Exception 1, when field connected as an autotransformer.

GE bucking and boosting transformers provide an economical and convenient means for bucking or boosting voltage, usually no more than ±20% on single- and three-phase circuits. They are compact, relatively light in weight, and can be easily installed for indoor or outdoor service.

Buck-boost transformers are employed primarily for boosting single-and three-phase circuits by connecting them as autotransformers. When connected as an autotransformer, only the low-voltage, high-current capacity secondary windings are required to carry the load. Because this load is only transformed over a small change in voltage, the buck-boost transformer can handle loads many times its nameplate kVA rating.

The transformers with series-multiple 12/24, 24/48, or 16/32 Volt secondary windings are suitable for a wide variety of applications. Two or more units can be used in various combinations to obtain many other special voltages. (For fluctuating voltage conditions, refer to Power Conditioning Equipment Products section starting on page 10-36).

Indoor/Outdoor Type QB Transformer; Single-Phase



Wiring Diagram for Low Voltage Loads

Advantages

—Efficient insulating materials permit compact size and light weight
—Dual voltage primary and dual voltage secondary for maximum versatility
—Large, front-accessible wiring compartment permits fast, easy wiring
—Convenient conduit knockouts located on side, bottom and back of wiring compartment
—GE Buck-Boost Transformer Selector makes selection fast and easy
—Many GE buck-boost transformers fit competitor mounting footprints
—Indoor or outdoor service

Key Features

—Convenient and least expensive method of matching line voltage with equipment voltage
—More efficient than equivalent isolation transformers
—Ability to handle loads up to 20 times nameplate rating when connected as an autotransformer
—Ideal for changing line voltages by small amounts
—Primary voltages include 120V, 240V and 480V
—Secondary voltages include 12V, 16V, 24V, 32V, 48V
—UL and cUL Listed
—Qualified to the seismic requirements of IEEE-693-1997 and IBC-2003
—ABS (American Bureau of Shipping) Type Approved

Applications

—International voltage adaptation
—Commercial and industrial air conditioning
—Heating systems
—Induction motors
—Voltage line drop correction
—Landscape lighting
—Low-voltage lighting
—Marine and Offshore - ABS Classed Vessels

Efficient operation of electrical equipment requires that line voltage be at or near the nameplate rating of the equipment. In order to match available line voltage (whether it be too high or low) with equipment voltage, buck-boost transformers provide the most convenient and least expensive method.

Do not use buck-boost transformers to solve a fluctuating voltage problem. They should be used to compensate for high- or low-voltage conditions only when the available line voltage is reasonably constant.

Single-Phase Indoor/Outdoor Type QB 60 Hz UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Height (in)	Width (in)	Depth (in)	Approx. Net Weight (Lbs.)	Frame Size	Product Number
120/240 Volts	12/24 Volts	0.05	6.38	5.12	3.25	6	6100	9T51B0102
120/240 Volts	12/24 Volts	0.075	6.38	5.12	3.25	6	6200	9T51B0103
120/240 Volts	12/24 Volts	0.1	6.38	5.12	3.25	6	6200	9T51B0104
120/240 Volts	12/24 Volts	0.15	7.38	6.12	4.25	10	8175	9T51B0105
120/240 Volts	12/24 Volts	0.25	7.38	6.12	4.25	10	8175	9T51B0107
120/240 Volts	12/24 Volts	0.5	8.38	6.88	4.88	20	10225	9T51B0108
120/240 Volts	12/24 Volts	0.75	9.62	7.88	5.50	25	12200	9T51B0109
120/240 Volts	12/24 Volts	1	9.62	7.88	5.50	25	12225	9T51B0110
120/240 Volts	12/24 Volts	1.5	11.12	9.38	6.72	40	14200	9T51B0111
120/240 Volts	12/24 Volts	2	11.12	9.38	6.72	50	14300	9T51B0112
120/240 Volts	12/24 Volts	3		9.38	6.72	55	14350	9T51B0113
120/240 Volts	16/32 Volts	0.05	6.38	5.12	3.25	6	6100	9T51B0122
120/240 Volts	16/32 Volts	0.075	6.38	5.12	3.25	6	6200	9T51B0123
120/240 Volts	16/32 Volts	0.1	6.38	5.12	3.25	6	6200	9T51B0124
120/240 Volts	16/32 Volts	0.15	7.38	6.12	4.25	10	8175	9T51B0125
120/240 Volts	16/32 Volts	0.25	7.38	6.12	4.25	10	8175	9T51B0127
120/240 Volts	16/32 Volts	0.5	8.38	6.88	4.88	20	10225	9T51B0128
120/240 Volts	16/32 Volts	0.75	9.62	7.88	5.50	25	12200	9T51B0129
120/240 Volts	16/32 Volts	1	9.62	7.88	5.50	30	12300	9T51B0130
120/240 Volts	16/32 Volts	1.5	11.12	9.38	6.72	40	14200	9T51B0131
120/240 Volts	16/32 Volts	2	11.12	9.38	6.72	50	14300	9T51B0132
120/240 Volts	16/32 Volts	3		9.38	6.72	55	14350	9T51B0133
240/480 Volts	24/48 Volts	0.05	6.38	5.12	3.25	6	6100	9T51B0202
240/480 Volts	24/48 Volts	0.075	6.38	5.12	3.25	6	6200	9T51B0203
240/480 Volts	24/48 Volts	0.1	6.38	5.12	3.25	6	6200	9T51B0204
240/480 Volts	24/48 Volts	0.15	7.38	6.12	4.25	10	8175	9T51B0205
240/480 Volts	24/48 Volts	0.25	7.38	6.12	4.25	10	8175	9T51B0207
240/480 Volts	24/48 Volts	0.5	8.38	6.88	4.88	20	10225	9T51B0208
240/480 Volts	24/48 Volts	0.75	9.62	7.88	5.50	25	12200	9T51B0209
240/480 Volts	24/48 Volts	1	9.62	7.88	5.50	30	12275	9T51B0210
240/480 Volts	24/48 Volts	1.5	11.12	9.38	6.72	40	14200	9T51B0211
240/480 Volts	24/48 Volts	2	11.12	9.38	6.72	50	14300	9T51B0212
240/480 Volts	24/48 Volts	3	11.12	9.38	6.72	55	14350	9T51B0213

Single-Phase Indoor/Outdoor Type QMS 60 Hz UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Height (in)	Width (in)	Depth (in)	Approx. Net Weight (Lbs.)	Frame Size	Product Number
120/240 Volts	12/24 Volts	5	14.5	10.62	11	103	16350	9T21B1037G02
120/240 Volts	16/32 Volts	5	14.5	10.62	11	115	16400	9T21B1040G02

Single-Phase Indoor/Outdoor Type QMS 50 Hz UL Listed C-UL Listed

Input Voltage	Output Voltage	kVA	Height (in)	Width (in)	Depth (in)	Approx. Net Weight (Lbs.)	Frame Size	Product Number
120/240 Volts	12/24 Volts	5	14.5	10.62	11	115	16400	9T21B1061G02
120/240 Volts	16/32 Volts	5	14.5	10.62	11	127	16450	9T21B1064G02

NOTE: In addition to bucking or boosting low circuit voltages to related value, these transformers can be used as two winding transformers to supply the rated nameplate low voltages, 12 to 48 Volts, two-wire or 12/24 to 24/48 Volts, three-wire. Also available in 50/60 Hz ratings.

5-Step Selection

The tables on these pages greatly facilitate buck-boost transformer selection. Simply follow these five easy steps:

1. Refer to the table having the same "output voltage" as the equipment you want to operate. For example, if you are installing a 230 Volt single-phase air conditioner, use the 230 Volt table.
2. Different available "line voltages" are listed across the top of each table. Select the line voltage column closest to your actual supply. If your available line voltage is exactly midway between two listed voltage levels, you may use either voltage column. For example, in the 230 Volt table, if you have 212 available, use either the 208 or the 216 column.
3. Read down the available line voltage column until you reach the rated load kVA of the equipment you want to operate or "the next higher kVA" rating. For example, in the 230 Volt table under the 208 available line voltage column, you want to operate an air conditioner rated 2 kVA. Since 2 kVA is not listed as such, you must read down to the next higher value or 2.4 kVA.
4. Once you have established this point, read across to the far left column for the exact GE buck-boost model number for your application. For example, the 230 Volt table under the 208 column for a 2 kVA air conditioner, read across from 2.4 (next higher kVA rating) and the model number is 9T51B0107.
5. Connect the buck-boost transformer you have selected per the connection diagram specified at the "bottom" of the available line voltage column you used. For example, if you used the 208 column, you would connect the buck-boost transformer per connection diagram A. That's all there is to it! The transformer you've selected will meet your exact requirements when connected in the specified manner.

The formula for calculating single-phase kVA is:

$$\frac{\text{Load Voltage} \times \text{Full Load Amps}}{1000}$$

The formula for calculating three-phase kVA is:

$$\frac{1.732 \times \text{Load Voltage} \times \text{Load Amps}}{1000}$$

Table 1

230 Volts Output, 60 Hertz, Single-Phase

	Available Line Voltage									
	192	203	208	216	219	242	245	353	261	276
Product Number	Load kVA[1]									
9T51B0102	—	—	0.480	—	0.960	1.0	—	0.530	—	—
9T51B0122	—	0.360	—	0.720	—	—	0.770	—	0.410	—
9T51B0202	0.240	—	—	—	—	—	—	—	—	0.288
9T51B0103	—	—	0.720	—	1.5	1.6	—	0.800	—	—
9T51B0123	—	0.540	—	1.1	—	—	1.2	—	0.620	—
9T51B0203	0.359	—	—	—	—	—	—	—	—	0.431
9T51B0104	—	—	0.960	—	2.0	2.1	—	1.1	—	—
9T51B0124	—	0.720	—	1.5	—	—	1.6	—	0.820	—
9T51B0204	0.479	—	—	—	—	—	—	—	—	0.575
9T51B0105	—	—	1.5	—	2.9	3.1	—	1.6	—	—
9T51B0125	—	1.1	—	2.2	—	—	2.3	—	1.3	—
9T51B0205	0.719	—	—	—	—	—	—	—	—	0.863
9T51B0107	—	—	2.4	—	4.8	5.1	—	2.7	—	—
9T51B0127	—	1.8	—	3.6	—	—	3.9	—	2.1	—
9T51B0207	1.2	—	—	—	—	—	—	—	—	1.4
9T51B0108	—	—	4.8	—	9.6	10.1	—	5.3	—	—
9T51B0128	—	3.6	—	7.2	—	—	7.7	—	4.1	—
9T51B0208	2.4	—	—	—	—	—	—	—	—	2.9
9T51B0109	—	—	7.2	—	14.4	15.2	—	7.9	—	—
9T51B0129	—	5.4	—	10.8	—	—	11.5	—	6.2	—
9T51B0209	3.6	—	—	—	—	—	—	—	—	4.3
9T51B0110	—	—	9.6	—	19.2	20.2	—	10.6	—	—
9T51B0130	—	7.2	—	14.4	—	—	15.4	—	8.2	—
9T51B0210	4.8	—	—	—	—	—	—	—	—	5.7
9T51B0111	—	—	14.4	—	28.8	30.3	—	15.9	—	—
9T51B0131	—	10.8	—	21.6	—	—	23.0	—	12.3	—
9T51B0211	7.2	—	—	—	—	—	—	—	—	8.6
9T51B0112	—	—	19.1	—	38.4	40.4	—	21.1	—	—
9T51B0132	—	14.4	—	28.8	—	—	30.7	—	16.4	—
9T51B0212	9.6	—	—	—	—	—	—	—	—	11.5
9T51B0113	—	—	28.7	—	57.5	60.5	—	31.7	—	—
9T51B0133	—	21.6	—	43.2	—	—	46.0	—	24.5	—
9T51B0213	14.4	—	—	—	—	—	—	—	—	17.3
9T21B1037G02	—	—	47.8	—	95.9	100.9	—	52.7	—	—
9T21B1040G02	—	36.0	—	72.0	—	—	77.0	—	40.8	—
Connection Diagram Page 10-60	C	A	A	B	B	B	B	A	A	C

[1]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.

Table 2

240 Volts Output, 60 Hertz, Single-Phase

	Available Line Voltage									
	200	212	218	225	229	252	256	264	272	288
Product Number	Load kVA[1]									
9T51B0102	—	—	0.500	—	1.0	1.1	—	0.6	—	—
9T51B0122	—	0.380	—	0.750	—	—	0.800	—	0.430	—
9T51B0202	0.250	—	—	—	—	—	—	—	—	0.300
9T51B0103	—	—	0.750	—	1.5	1.6	—	0.825	—	—
9T51B0123	—	0.570	—	1.2	—	—	1.2	—	0.640	—
9T51B0203	0.375	—	—	—	—	—	—	—	—	0.391
9T51B0104	—	—	1.0	—	2.0	2.1	—	1.1	—	—
9T51B0124	—	0.750	—	1.5	—	—	1.6	—	0.850	—
9T51B0204	0.500	—	—	—	—	—	—	—	—	0.522
9T51B0105	—	—	1.5	—	3.0	3.2	—	1.7	—	—
9T51B0125	—	1.2	—	2.3	—	—	2.4	—	1.3	—
9T51B0205	0.750	—	—	—	—	—	—	—	—	0.782
9T51B0107	—	—	2.5	—	5.0	5.3	—	2.8	—	—
9T51B0127	—	1.9	—	3.8	—	—	4.0	—	2.2	—
9T51B0207	1.3	—	—	—	—	—	—	—	—	1.4
9T51B0108	—	—	5.0	—	10.0	10.5	—	5.5	—	—
9T51B0128	—	3.8	—	7.5	—	—	8.0	—	4.3	—
9T51B0208	2.5	—	—	—	—	—	—	—	—	2.6
9T51B0109	—	—	7.5	—	15.0	15.8	—	8.3	—	—
9T51B0129	—	5.7	—	11.3	—	—	12.0	—	6.4	—
9T51B0209	3.8	—	—	—	—	—	—	—	—	4.0
9T51B0110	—	—	10.0	—	20.0	21.0	—	11.0	—	—
9T51B0130	—	7.5	—	15.0	—	—	16.0	—	8.5	—
9T51B0210	5.0	—	—	—	—	—	—	—	—	5.2
9T51B0111	—	—	15.0	—	30.0	31.5	—	16.5	—	—
9T51B0131	—	11.3	—	22.5	—	—	24.0	—	12.8	—
9T51B0211	7.5	—	—	—	—	—	—	—	—	7.8
9T51B0112	—	—	20.0	—	40.0	42.6	—	22.0	—	—
9T51B0132	—	15.0	—	30.0	—	—	32.0	—	17.0	—
9T51B0212	10.0	—	—	—	—	—	—	—	—	10.4
9T51B0113	—	—	30.0	—	60.0	63.0	—	33.0	—	—
9T51B0133	—	22.5	—	45.0	—	—	48.0	—	25.5	—
9T51B0213	15.0	—	—	—	—	—	—	—	—	15.6
9T21B1037G02	—	—	50.0	—	100.0	105.0	—	55.0	—	—
9T21B1040G02	—	37.5	—	75.0	—	—	80.0	—	42.5	—
Connection Diagram Page 10-60	C	A	A	B	B	B	B	A	A	C

[1]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.

Table 3

115 Volts Output, 60 Hertz, Single-Phase

	Available Line Voltage							
	91	96	101	105	127	130	138	146
Product Number	Load kVA[1]							
9T51B0102	—	0.240	—	0.480	0.539	—	0.290	—
9T51B0122	0.180	—	0.360	—	—	0.410	—	0.230
9T51B0103	—	0.360	—	0.720	0.800	—	0.440	—
9T51B0123	0.270	—	0.540	—	—	0.610	—	0.350
9T51B0104	—	0.480	—	0.960	1.1	—	0.580	—
9T51B0124	0.360	—	0.720	—	—	0.820	—	0.460
9T51B0105	—	0.720	—	1.5	1.6	—	0.870	—
9T51B0125	0.540	—	1.1	—	—	1.3	—	0.690
9T51B0107	—	1.2	—	2.4	2.7	—	1.5	—
9T51B0127	0.900	—	1.8	—	—	2.1	—	1.2
9T51B0108	—	2.4	—	4.8	5.3	—	2.9	—
9T51B0128	1.8	—	3.6	—	—	4.1	—	2.3
9T51B0109	—	3.6	—	7.2	8.0	—	4.4	—
9T51B0129	2.7	—	5.4	—	—	6.1	—	3.5
9T51B0110	—	4.8	—	9.6	10.6	—	5.8	—
9T51B0130	3.6	—	7.2	—	—	8.2	—	4.6
9T51B0111	—	7.2	—	14.4	15.9	—	8.6	—
9T51B0131	5.4	—	10.8	—	—	12.2	—	6.9
9T51B0112	—	9.6	—	19.2	21.2	—	11.5	—
9T51B0132	7.2	—	14.4	—	—	16.3	—	9.2
9T51B0113	—	14.4	—	28.8	31.8	—	17.3	—
9T51B0133	10.8	—	21.6	—	—	24.4	—	13.7
9T21B1061G02	—	24.0	—	48.0	53.0	—	28.8	—
9T21B1037G02	—	24.0	—	48.0	53.0	—	28.8	—
9T21B1064G02	18.0	—	36.0	—	—	41.0	—	22.9
9T21B1040G02	18.0	—	36.0	—	—	41.0	—	22.9
Connection Diagram Page 10-60	C	C	D	D	D	D	C	C

[1]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.

Table 4

120 Volts Output, 60 Hertz, Single-Phase

	Available Line Voltage							
	95	100	106	109	132	136	144	152
Product Number	Load kVA[1]							
9T51B0102	—	0.250	—	0.500	0.550	—	0.300	—
9T51B0122	0.190	—	0.380	—	—	0.430	—	0.240
9T51B0103	—	0.380	—	0.750	0.830	—	0.450	—
9T51B0123	0.290	—	0.570	—	—	0.640	—	0.360
9T51B0104	—	0.500	—	1.0	1.1	—	0.600	—
9T51B0124	0.380	—	0.750	—	—	0.850	—	0.480
9T51B0105	—	0.750	—	1.5	1.7	—	0.900	—
9T51B0125	0.570	—	1.2	—	—	1.3	—	0.720
9T51B0107	—	1.3	—	2.5	2.8	—	1.5	—
9T51B0127	0.940	—	1.9	—	—	2.2	—	1.2
9T51B0108	—	2.5	—	5.0	5.5	—	3.0	—
9T51B0128	1.9	—	3.8	—	—	4.3	—	2.4
9T51B0109	—	3.8	—	7.5	8.3	—	4.5	—
9T51B0129	2.9	—	5.7	—	—	6.4	—	3.6
9T51B0110	—	5.0	—	10.0	11.0	—	6.0	—
9T51B0130	3.8	—	7.5	—	—	8.5	—	4.8
9T51B0111	—	7.5	—	15.0	16.5	—	9.0	—
9T51B0131	5.7	—	11.3	—	—	12.8	—	7.2
9T51B0112	—	10.0	—	20.0	22.0	—	12.0	—
9T51B0132	7.5	—	15.0	—	—	17.0	—	9.5
9T51B0113	—	15.0	—	30.0	33.0	—	18.0	—
9T51B0133	11.3	—	22.5	—	—	25.5	—	14.3
9T21B1061G02	—	25.0	—	50.0	55.0	—	30.0	—
9T21B1037G02	—	25.0	—	50.0	55.0	—	30.0	—
9T21B1064G02	18.8	—	38.0	—	—	43.0	—	23.8
9T21B1040G02	18.8	—	38.0	—	—	43.0	—	23.8
Connection Diagram Page 10-60	C	C	D	D	D	D	C	C

[1]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.

Table 5

230 Volts, 3-Wire Output, 60 Hertz, Three-Phase[2]

Quantity Required Per Bank	Product Number	Available Line Voltage 181Y/105	192Y/111	203Y/117	208Y/120	277Y/160
		Load kVA[1]				
3	9T51B0102	—	0.830	—	1.7	—
3	9T51B0122	0.620	—	1.3	—	—
3	9T51B0202	—	—	—	—	0.480
3	9T51B0103	—	1.2	—	2.5	—
3	9T51B0123	0.930	—	1.9	—	—
3	9T51B0203	—	—	—	—	0.720
3	9T51B0104	—	1.7	—	3.4	—
3	9T51B0124	1.2	—	2.5	—	—
3	9T51B0204	—	—	—	—	0.960
3	9T51B0105	—	2.5	—	5.0	—
3	9T51B0125	1.9	—	3.7	—	—
3	9T51B0205	—	—	—	—	1.44
3	9T51B0107	—	4.2	—	8.3	—
3	9T51B0127	3.1	—	6.2	—	—
3	9T51B0207	—	—	—	—	2.4
3	9T51B0108	—	8.3	—	16.6	—
3	9T51B0128	6.2	—	12.5	—	—
3	9T51B0208	—	—	—	—	4.8
3	9T51B0109	—	12.5	—	25.0	—
3	9T51B0129	9.3	—	18.7	—	—
3	9T51B0209	—	—	—	—	7.2
3	9T51B0110	—	16.6	—	33.2	—
3	9T51B0130	12.5	—	25.0	—	—
3	9T51B0210	—	—	—	—	9.6
3	9T51B0111	—	25.0	—	50.0	—
3	9T51B0131	18.7	—	37.0	—	—
3	9T51B0211	—	—	—	—	14.4
3	9T51B0112	—	33.0	—	66.0	—
3	9T51B0132	25.0	—	50.0	—	—
3	9T51B0212	—	—	—	—	19.2
3	9T51B0113	—	50.0	—	100.0	—
3	9T51B0133	37.5	—	75.0	—	—
3	9T51B0213	—	—	—	—	28.8
3	9T21B1037G02	—	83.0	—	167.0	—
3	9T21B1040G02	62.0	—	125.0	—	—
	Connection Diagram Page 10-60	F	F	G	G	F

[1]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.
[2]See Caution page 10-58, footnote 1.

Table 6

240 Volts, 3-Wire Output, 60 Hertz, Three-Phase[2]

Quantity Required Per Bank	Product Number	Available Line Voltage				
		189Y/109	200Y/115	208Y/120[3] 212Y/122	218Y/126	288Y/166
		Load kVA[1]				
3	9T51B0102	—	0.870	—	1.7	—
3	9T51B0122	0.650	—	1.3	—	—
3	9T51B0202	—	—	—	—	0.500
3	9T51B0103	—	1.3	—	2.6	—
3	9T51B0123	0.970	—	2.0	—	—
3	9T51B0203	—	—	—	—	0.750
3	9T51B0104	—	1.7	—	3.5	—
3	9T51B0124	1.3	—	2.6	—	—
3	9T51B0204	—	—	—	—	1.0
3	9T51B0105	—	2.6	—	5.2	—
3	9T51B0125	2.0	—	3.9	—	—
3	9T51B0205	—	—	—	—	1.5
3	9T51B0107	—	4.3	—	8.7	—
3	9T51B0127	3.2	—	6.5	—	—
3	9T51B0207	—	—	—	—	2.5
3	9T51B0108	—	8.7	—	17.3	—
3	9T51B0128	6.5	—	13.0	—	—
3	9T51B0208	—	—	—	—	5.0
3	9T51B0109	—	13.0	—	26.0	—
3	9T51B0129	9.7	—	19.5	—	—
3	9T51B0209	—	—	—	—	7.5
3	9T51B0110	—	17.3	—	34.6	—
3	9T51B0130	13.0	—	26.0	—	—
3	9T51B0210	—	—	—	—	10.0
3	9T51B0111	—	26.0	—	52.0	—
3	9T51B0131	19.5	—	39.0	—	—
3	9T51B0211	—	—	—	—	15.0
3	9T51B0112	—	35.0	—	70.0	—
3	9T51B0132	26.0	—	52.0	—	—
3	9T51B0212	—	—	—	—	20.0
3	9T51B0113	—	52.0	—	104.0	—
3	9T51B0133	39.0	—	78.0	—	—
3	9T51B0213	—	—	—	—	30.0
3	9T21B1037G02	—	87.0	—	173.0	—
3	9T21B1040G02	65.0	—	130.0	—	—
	Connection Diagram Page 10-60	F	F	G	G	F

[1]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.
[2]See Caution page 10-58, footnote 1.
[3]When 208Y/120 Volts is the available line voltage, the 212Y/122 column may be used to obtain 236 Volts which should be satisfactory for most applications.

Table 7

460 Volts, 3-Wire Output, 60 Hertz, Three-Phase [1]

Quantity Required Per Bank	Product Number	Available Line Voltage — 3- or 4-Wire				
		385	406	418	432	438
		Load kVA[2]				
3	9T51B0102	—	—	1.66	—	3.32
3	9T51B0122	—	1.25	—	2.49	—
3	9T51B0202	0.830	—	—	—	—
3	9T51B0103	—	—	2.48	—	4.96
3	9T51B0123	—	1.87	—	3.73	—
3	9T51B0203	1.2	—	—	—	—
3	9T51B0104	—	—	3.31	—	6.62
3	9T51B0124	—	2.49	—	4.97	—
3	9T51B0204	1.7	—	—	—	—
3	9T51B0105	—	—	4.97	—	9.94
3	9T51B0125	—	3.73	—	3.9	—
3	9T51B0205	2.5	—	—	—	—
3	9T51B0107	—	—	8.28	—	16.6
3	9T51B0127	—	6.22	—	6.5	—
3	9T51B0207	4.2	—	—	—	—
3	9T51B0108	—	—	16.6	—	33.2
3	9T51B0128	—	12.5	—	13.0	—
3	9T51B0208	8.3	—	—	—	—
3	9T51B0109	—	—	24.8	—	59.6
3	9T51B0129	—	18.7	—	19.5	—
3	9T51B0209	12.5	—	—	—	—
3	9T51B0110	—	—	33.1	—	66.2
3	9T51B0130	—	24.9	—	26.0	—
3	9T51B0210	16.6	—	—	—	—
3	9T51B0111	—	—	49.7	—	99.4
3	9T51B0131	—	37.3	—	39.0	—
3	9T51B0211	24.9	—	—	—	—
3	9T51B0112	—	—	66.3	—	133.0
3	9T51B0132	—	49.7	—	52.0	—
3	9T51B0212	33.2	—	—	—	—
3	9T51B0113	—	—	99.3	—	198.6
3	9T51B0133	—	74.6	—	78.0	—
3	9T51B0213	49.8	—	—	—	—
3	9T21B1037G02	—	—	166.0	—	322.0
3	9T21B1040G02	—	125.0	—	130.0	—
	Connection Diagram Page 10-60	F	H	H	I	I

[1] **Caution:** If input is 3-wire Delta or 4-wire midtapped Delta, the neutral established from the bank of buck-boost transformers must be insulated and isolated from the input power neutral and/or ground.

[2] The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.

Table 8

480 Volts, 3-Wire Output, 60 Hertz, Three-Phase[1]

Quantity Required Per Bank	Product Number	Available Line Voltage — 3- or 4-Wire			
		400	424	436	450
		Load kVA[2]			
	9T51B0102	—	—	1.74	—
3	9T51B0122	—	1.3	—	2.6
3	9T51B0202	0.866	—	—	—
3	9T51B0103	—	—	2.6	—
3	9T51B0123	—	1.95	—	3.9
3	9T51B0203	1.3	—	—	—
3	9T51B0104	—	—	3.5	—
3	9T51B0124	—	2.6	—	5.2
3	9T51B0204	1.7	—	—	—
3	9T51B0105	—	—	5.2	—
3	9T51B0125	—	3.9	—	7.8
3	9T51B0205	2.6	—	—	—
3	9T51B0107	—	—	8.7	—
3	9T51B0127	—	6.3	—	13.0
3	9T51B0207	4.3	—	—	—
3	9T51B0108	—	—	17.4	—
3	9T51B0128	—	13.0	—	26.0
3	9T51B0208	8.7	—	—	—
3	9T51B0109	—	—	26.0	—
3	9T51B0129	—	19.5	—	39.0
3	9T51B0209	13.0	—	—	—
3	9T51B0110	—	—	35.0	—
3	9T51B0130	—	26.0	—	52.0
3	9T51B0210	17.3	—	—	—
3	9T51B0111	—	—	52.2	—
3	9T51B0131	—	39.0	—	78.0
3	9T51B0211	26.0	—	—	—
3	9T51B0112	—	—	69.0	—
3	9T51B0132	—	52.0	—	104.0
3	9T51B0212	34.6	—	—	—
3	9T51B0113	—	—	104.0	—
3	9T51B0133	—	78.0	—	156.0
3	9T51B0213	51.9	—	—	—
3	9T21B1037G02	—	—	174.0	—
3	9T21B1040G02	—	130.0	—	260.0
	Connection Diagram Page 10-60	F	H	H	I

Table 9

208 Volts, 3-Wire, 60 Hertz, Three-Phase[1]

Quantity Required Per Bank	Product Number	Available Line Voltage — 3- or 4-Wire			
		218	222	229	236
		Load kVA[2]			
2	9T51B0102	1.6	—	0.800	—
2	9T51B0122	—	1.2	—	0.640
2	9T51B0103	2.3	—	1.2	—
2	9T51B0123	—	1.8	—	0.960
2	9T51B0104	3.2	—	1.6	—
2	9T51B0124	—	2.4	—	1.3
2	9T51B0105	4.7	—	2.5	—
2	9T51B0125	—	3.6	—	1.9
2	9T51B0107	7.8	—	4.1	—
2	9T51B0127	—	6.0	—	3.2
2	9T51B0108	16	—	8.0	—
2	9T51B0128	—	12.0	—	6.4
2	9T51B0109	23.6	—	12.4	—
2	9T51B0129	—	18.0	—	9.6
2	9T51B0110	31.5	—	16.5	—
2	9T51B0130	—	24.0	—	12.7
2	9T51B0111	47.5	—	24.8	—
2	9T51B0131	—	36.0	—	19.1
2	9T51B0112	63.0	—	33.0	—
2	9T51B0132	—	48.0	—	25.6
2	9T51B0113	94	—	49.6	—
2	9T51B0133	—	72.0	—	38.3
	Connection Diagram Page 10-60	J	J	Z	Z

[1]**Caution:** If input is 3-wire Delta or 4-wire midtapped Delta, the neutral established from the bank of buck-boost transformers must be insulated and isolated from the input power neutral and/or ground.

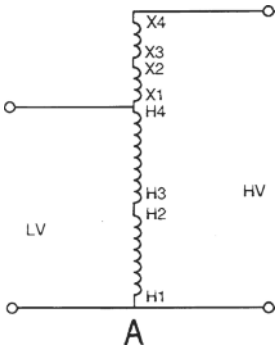
[2]The load kVA is the maximum load at voltages shown when transformers are connected as autotransformers according to the diagram referenced.

Buck-Boost Connection Diagrams

Encapsulated

For Bucking and Boosting Voltage

Connection Diagrams



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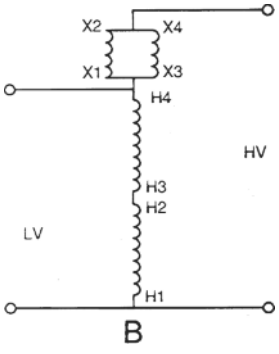

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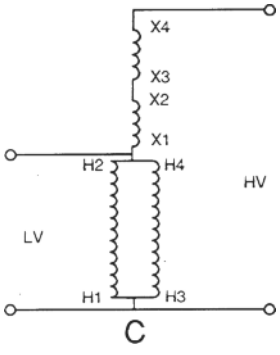

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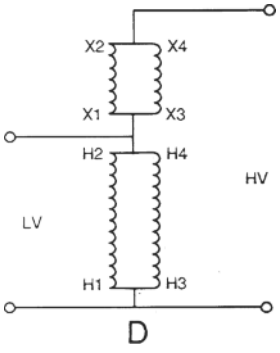

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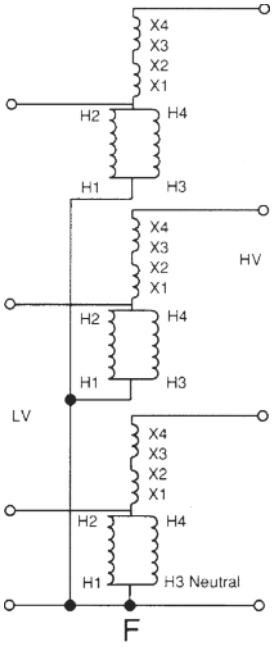

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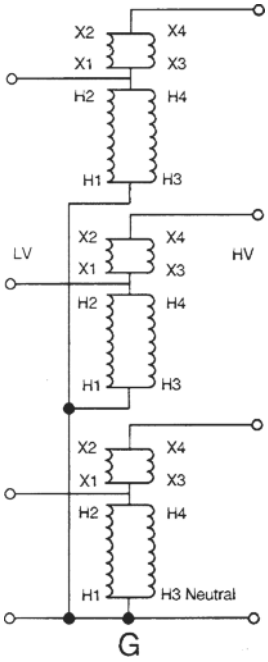

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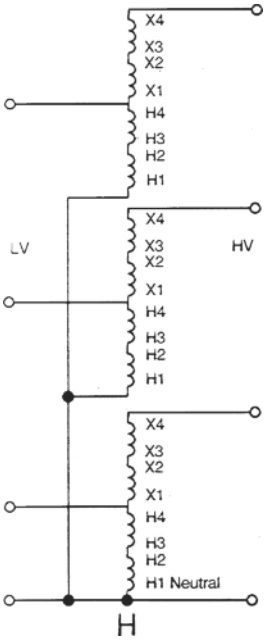

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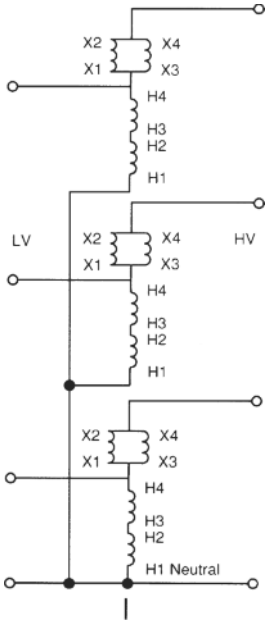

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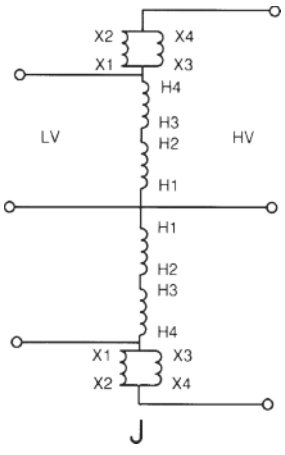

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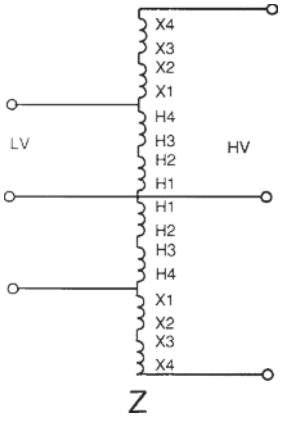


Z

Dry Type Transformers
Open Core and Coil Transformers
Machine Tool and Control Power

Product Description

Core and coil transformers for machine tools are used to provide voltage to control devices in applications where regulation and minimum space are important. Welded cores provide the highest quality electrical performance and quiet operation.

Standards: Type IP transformers conform to NEMA ST20

Listings: UL listed under UL-5085, File E2739
CSA Certified under C22.2, Number 66, File 3272

Insulation Classes: 150VA and below: 105°C insulation class, 55°C Rise

200VA and above: 185°C (NEMA)
180°C (UL) insulation class, 115°C Rise

Frequency: 60 Hz standard; 50 Hz optional.

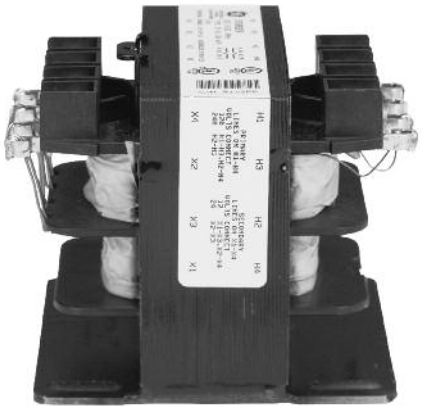
Voltage Regulation: All designs 2.0 kVA and below are compensated for voltage drop. Compensation ranges from 10% in the smallest rating to 3% for the largest. All machine tool designs meet or exceed NMTBA regulation requirements.

Series-Multiple Secondary Connections: Transformers with 120/240 V secondaries (series-multiple) may be connected for 120 V, 240 V or 240/120 V three-wire. Jumpers are provided.

Overcurrent Protection: Type IP transformers are low impedance transformers that require overcurrent protection for most applications. They provide for optional integral primary and/or secondary fusing.

Mounting Dimensions: Type IP transformers are lightweight, small, and designed for minimum mounting dimensions. Many units will fit competitors mounting footprints.

Core and Coil Transformer



Core and Coil Transformer

Advantages

—Finger-safe terminals offer added protection and safety
—Pressure plate terminals ensure secure connections
—Wide variety of fusing options

Key Features—Terminal Board Connection

—Rugged, high-impact plastic terminal board
—Full head #8 brass screws assure quick, easy terminations with maximum connection integrity
—Copper windings
—Flexible design allows input or output voltage to match any application
—CUL, CE, UL approvals
—Available fuse-blocks offer simple, low-cost fusing

60 Hz Terminal Board Connection

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.05	1	2.4	6100	9T58R0042
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.08	1	2.8	6125	9T58R0043
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.10	1	3.6	8100	9T58R0044
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.15	1	5.1	8150	9T58R0045
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.20	1	5.8	8175	9T58R0046
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.25	1	6.5	8200	9T58R0047
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.30	1	7.6	8250	9T58R0048
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.38	1	7.6	8250	9T58R0049
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.50	1	10.7	10225	9T58R0050
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	0.75	1	12	12225	9T58R0051
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	1	1	16.1	12300	9T58R0052
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	2	1	26.7	14225	9T58R0053
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	2	1	32.7	14300	9T58R0054
220x440, 230x460,240x480 Volts	110, 115, 120 Volts	3	1	47.4	14475	9T58R0055

50/60 Hz Terminal Board Connection

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
230/460/575 Volts	115/95 Volts	0.05	2	3.1	6150	9T58R0062
230/460/575 Volts	115/95 Volts	0.08	2	3.6	8100	9T58R0063
230/460/575 Volts	115/95 Volts	0.10	2	5.1	8150	9T58R0064
230/460/575 Volts	115/95 Volts	0.15	2	6.5	8200	9T58R0065
230/460/575 Volts	115/95 Volts	0.20	2	6.5	8200	9T58R0066
230/460/575 Volts	115/95 Volts	0.25	2	7.6	8250	9T58R0067
230/460/575 Volts	115/95 Volts	0.30	2	10.7	10225	9T58R0068
230/460/575 Volts	115/95 Volts	0.38	2	10.7	10225	9T58R0069
230/460/575 Volts	115/95 Volts	0.50	2	10.7	10225	9T58R0070
230/460/575 Volts	115/95 Volts	0.75	2	16.1	12300	9T58R0071
230/460/575 Volts	115/95 Volts	1	2	26.7	14225	9T58R0072
230/460/575 Volts	115/95 Volts	1.5	2	32.7	14300	9T58R0073
230/460/575 Volts	115/95 Volts	2	2	47.4	14475	9T58R0074
208/277/380 Volts	115/95 Volts	0.05	3	3.1	6150	9T58R0082
208/277/380 Volts	115/95 Volts	0.08	3	3.6	8100	9T58R0083
208/277/380 Volts	115/95 Volts	0.10	3	5.1	8150	9T58R0084
208/277/380 Volts	115/95 Volts	0.15	3	6.5	8200	9T58R0085
208/277/380 Volts	115/95 Volts	0.20	3	6.5	8200	9T58R0086
208/277/380 Volts	115/95 Volts	0.25	3	7.6	8250	9T58R0087
208/277/380 Volts	115/95 Volts	0.30	3	10.7	10225	9T58R0088
208/277/380 Volts	115/95 Volts	0.38	3	10.7	10225	9T58R0089
208/277/380 Volts	115/95 Volts	0.50	3	10.7	10225	9T58R0090
208/277/380 Volts	115/95 Volts	0.75	3	16.1	12300	9T58R0091
208/277/380 Volts	115/95 Volts	1	3	26.7	14225	9T58R0092
208/277/380 Volts	115/95 Volts	1.5	3	32.7	14300	9T58R0093
208/277/380 Volts	115/95 Volts	2	3	47.4	14475	9T58R0094

[1]See page 10-66 for wiring diagrams.

Factory- or Field-Installed Options

Secondary Fusing—Factory- or field-installed secondary fuse clips are available. They are restricted to units with terminal strips and a single secondary voltage or secondary with one tap.

Dual Primary and Secondary Fusing—Factory- or field-installed dual primary and secondary fuse clips are available on all units.

60 Hz Terminal Board Connection

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240x480 Volts	120/240 Volts	0.05	4	2.4	6100	9T58R2802
240x480 Volts	120/240 Volts	0.08	4	2.8	6125	9T58R2803
240x480 Volts	120/240 Volts	0.10	4	3.6	8100	9T58R2804
240x480 Volts	120/240 Volts	0.15	4	5.1	8150	9T58R2805
240x480 Volts	120/240 Volts	0.20	4	5.8	8175	9T58R2806
240x480 Volts	120/240 Volts	0.25	4	6.5	8200	9T58R2807
240x480 Volts	120/240 Volts	0.30	4	6.5	8200	9T58R2808
240x480 Volts	120/240 Volts	0.38	4	7.6	8250	9T58R2809
240x480 Volts	120/240 Volts	0.50	4	10.7	10225	9T58R2810
240x480 Volts	120/240 Volts	0.75	4	12	12225	9T58R2811
240x480 Volts	120/240 Volts	1	4	16.1	12300	9T58R2812
240x480 Volts	120/240 Volts	1.5	4	26.7	14225	9T58R2813
240x480 Volts	120/240 Volts	2	4	32.7	14300	9T58R2814
240x480 Volts	120/240 Volts	3	4	47.4	14475	9T58R2815
600 Volts	120/240 Volts	0.08	5	2.8	6125	9T58R2823
600 Volts	120/240 Volts	0.10	5	3.6	8100	9T58R2824
600 Volts	120/240 Volts	0.20	5	5.8	8175	9T58R2826
600 Volts	120/240 Volts	0.25	5	6.5	8200	9T58R2827
600 Volts	120/240 Volts	0.30	5	6.5	8200	9T58R2828
600 Volts	120/240 Volts	0.50	5	10.7	10225	9T58R2830
600 Volts	120/240 Volts	0.75	5	12	12225	9T58R2831
600 Volts	120/240 Volts	1	5	16.1	12300	9T58R2832
600 Volts	120/240 Volts	1.5	5	26.7	14225	9T58R2833
600 Volts	120/240 Volts	2	5	32.7	14300	9T58R2834
600 Volts	120/240 Volts	3	5	47.4	14475	9T58R2835
120x240 Volts	120/240 Volts	0.10	6	3.6	8100	9T58R2907
120x240 Volts	120/240 Volts	0.20	6	5.8	8175	9T58R2909
120x240 Volts	120/240 Volts	0.30	6	6.5	8200	9T58R2911
120x240 Volts	120/240 Volts	0.50	6	10.7	10225	9T58R2913
120x240 Volts	120/240 Volts	0.75	6	12	12225	9T58R2914
120x240 Volts	120/240 Volts	1	6	16.1	12300	9T58R2915
120x240 Volts	120/240 Volts	2	6	32.7	14300	9T58R2917
120x240 Volts	120/240 Volts	3	6	47.4	14475	9T58R2918

60 Hz Terminal Board Connection

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
120 x 240 Volts	12/24 Volts	0.05	7	2.4	6100	9T58R2873
120 x 240 Volts	12/24 Volts	0.075	7	2.8	6125	9T58R2874
120 x 240 Volts	12/24 Volts	0.10	7	3.6	8100	9T58R2875
120 x 240 Volts	12/24 Volts	0.15	7	5.1	8150	9T58R2876
120 x 240 Volts	12/24 Volts	0.20	7	5.8	8175	9T58R2877
120 x 240 Volts	12/24 Volts	0.25	7	6.5	8200	9T58R2878
120 x 240 Volts	12/24 Volts	0.30	7	6.5	8200	9T58R2879
240 x 480 Volts	12/24 Volts	0.25	---	6.5	8200	9T58R3024
240 x 480 Volts	12/24 Volts	0.05	---	2.4	6100	9T58R3164
240 x 480 Volts	12/24 Volts	0.10	---	3.6	8100	9T58R4132
240 x 480 Volts	12/24 Volts	0.15	---	5.1	8150	9T58R4133
208 x 240 Volts	12/24 Volts	0.05	---	2.4	6100	9T58R4050
208 x 240 Volts	12/24 Volts	0.10	---	3.6	8100	9T58R4051
208 x 240 Volts	12/24 Volts	0.15	---	5.1	8150	9T58R4052
208 x 240 Volts	12/24 Volts	0.25	---	6.5	8200	9T58R4053

50/60 Hz Terminal Board Connection

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	0.50	4	10.7	10225	9T58R2930
240 x 480 Volts	120/240 Volts	0.75	4	16.1	12300	9T58R2931
240 x 480 Volts	120/240 Volts	1	4	26.7	14225	9T58R2932
240 x 480 Volts	120/240 Volts	1.5	4	32.7	14300	9T58R2933
240 x 480 Volts	120/240 Volts	2	4	47.4	14475	9T58R2934
240 x 480 Volts	120/240 Volts	3	4	47.4	14475	9T58R2935
380/400/416 Volts	115/230 Volts	0.25	8	6.5	8200	9T58R2975
380/400/416 Volts	115/230 Volts	0.50	8	10.7	10225	9T58R2978
380/400/416 Volts	115/230 Volts	0.75	8	16.1	12300	9T58R2979
380/400/416 Volts	115/230 Volts	1	8	26.7	14225	9T58R2980
380/400/416 Volts	115/230 Volts	1.5	8	32.7	14300	9T58R2981
380/400/416 Volts	115/230 Volts	2	8	47.4	14475	9T58R2982
380/400/416 Volts	115/230 Volts	3	8	47.4	14475	9T58R2983

[1]See page 10-66 for wiring diagrams.
[2]Secondary fusing not available.

Dry Type Transformers
Open Core and Coil Transformers
Control
Single-Phase, Non-encapsulated Design

60 Hz Leads Out Connection[2]

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
120x240 Volts	12/24 Volts	0.05	7	2.4	6100	9T58R1873G07
120x240 Volts	12/24 Volts	0.075	7	2.8	6125	9T58R1874G07
120x240 Volts	12/24 Volts	0.10	7	3.6	8100	9T58R1875G07
120x240 Volts	12/24 Volts	0.15	7	5.1	8150	9T58R1876G07
120x240 Volts	12/24 Volts	0.20	7	5.8	8175	9T58R1877G07
120x240 Volts	12/24 Volts	0.25	7	6.5	8200	9T58R1878G07
120x240 Volts	12/24 Volts	0.30	7	6.5	8200	9T58R1879G07
120x240 Volts	12/24 Volts	0.50	7	10.7	10225	9T58R1881G07
120x240 Volts	12/24 Volts	0.75	7	12	12225	9T58R1882G07
120x240 Volts	12/24 Volts	1	7	26.7	14225	9T58R1883G07

60 Hz Leads Out Connection[2]

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240 x 480 Volts	120/240 Volts	0.05	4	2.4	6100	9T58R1802G07
240 x 480 Volts	120/240 Volts	0.075	4	2.8	6125	9T58R1803G07
240 x 480 Volts	120/240 Volts	0.10	4	3.6	8100	9T58R1804G07
240 x 480 Volts	120/240 Volts	0.15	4	5.1	8150	9T58R1805G07
240 x 480 Volts	120/240 Volts	0.20	4	5.8	8175	9T58R1806G07
240 x 480 Volts	120/240 Volts	0.25	4	6.5	8200	9T58R1807G07
240 x 480 Volts	120/240 Volts	0.30	4	6.5	8200	9T58R1808G07
240 x 480 Volts	120/240 Volts	0.375	4	7.6	8250	9T58R1809G07
240 x 480 Volts	120/240 Volts	0.50	4	10.7	10225	9T58R1810G07
240 x 480 Volts	120/240 Volts	0.75	4	12	12225	9T58R1811G07
240 x 480 Volts	120/240 Volts	1	4	16.1	12300	9T58R1812G07
240 x 480 Volts	120/240 Volts	1.5	4	26.7	14225	9T58R1813G07
240 x 480 Volts	120/240 Volts	2	4	32.7	14300	9T58R1814G07
240 x 480 Volts	120/240 Volts	3	4	47.4	14475	9T58R1815G07
600 Volts	120/240 Volts	0.10	5	3.6	8100	9T58R1824G07
600 Volts	120/240 Volts	0.20	5	5.8	8175	9T58R1826G07
600 Volts	120/240 Volts	0.30	5	6.5	8200	9T58R1828G07
600 Volts	120/240 Volts	0.50	5	10.7	10225	9T58R1830G07
600 Volts	120/240 Volts	1	5	26.7	14225	9T58R1832G07
600 Volts	120/240 Volts	2	5	32.7	14300	9T58R1834G07
600 Volts	120/240 Volts	3	5	47.4	14475	9T58R1835G07

50/60 Hz Leads Out Connection[2]

Input Voltage	Output Voltage	kVA	Wiring Diagram No.[1]	Approx. Net Weight (Lbs)	Frame Size	Product Number
240x480 Volts	120/240 Volts	0.25	4	6.5	8200	9T58R1927G07
240x480 Volts	120/240 Volts	0.30	4	7.6	8250	9T58R1928G07
240x480 Volts	120/240 Volts	0.50	4	10.7	10225	9T58R1930G07
240x480 Volts	120/240 Volts	0.75	4	16.1	12300	9T58R1931G07
240x480 Volts	120/240 Volts	1.5	4	32.7	14300	9T58R1933G07
240x480 Volts	120/240 Volts	3	4	47.4	14475	9T58R1935G07
380/400/416 Volts	115/230 Volts	0.50	8	10.7	10225	9T58R1978G07
380/400/416 Volts	115/230 Volts	0.75	8	16.1	12300	9T58R1979G07
380/400/416 Volts	115/230 Volts	1	8	26.7	14225	9T58R1980G07
380/400/416 Volts	115/230 Volts	1.5	8	32.7	14300	9T58R1981G07

[1]See page 10-66 for wiring diagrams.
[2]Secondary fusing not available.

50/60 Hz Universal Voltage/Multitap Terminal Strip Connection

kVA	Frame Size	Product Number
0.25	10225	9T58R3715
0.35	10225	9T58R3716
0.50	12225	9T58R3717
0.75	12300	9T58R3718
1	14225	9T58R3719
1.5	14300	9T58R3720
2	14475	9T58R3721

Voltage Table

Incoming Voltage				Output Voltage		
H1 H2	H1 H3	H1 H4	H1 H5	X1 X2	X1 X3	X1 X4
208			500	85	100	110
		415		86	104	113
220	380	440	550	91	110	120
230	40	460	575	95	115	125
240	416	480	600	99	120	130

Transformer Options

Accessory Description	Product Number
Jumper Links	9T58R0000G01
Lead Kit (12 GA) SM (10" long) (6-8 fr)	9T58R0000G07
Lead Kit (10 GA) LG (10" long) (10-14 fr)	9T58R0000G08
(1) Quarter-Inch Fuseholder	9T58R0000G10
(1) Midget Fuseholder	9T58R0000G20
(1) H/K Fuseholder	9T58R0000G30
(2) CC Fuseholder	9T58R0000G40
(2) H/K Fuseholder	9T58R0000G50
(2) CC + (1) Quarter-Inch Fuseholder	9T58R0000G60
(2) CC + (1) Midget Fuseholder	9T58R0000G70
(2) CC + (1) H/K Fuseholder	9T58R0000G80
(2) CC Fuseholder	9T58E0000G40
(2) CC + (1) Midget Fuseholder	9T58E0000G70

Fuse Guide

Midget Class CC Rejection Fuse

	Transformer Continuous Power Rating (VA)								
Primary Voltage	50	75	100	150	200	250	300	375	500
	Fuse Rating (Amperes)								
100	1.50	2.00	3.00	4.00	3.00	4.00	5.00	6.00	8.00
110	1.25	2.00	2.50	4.00	5.00	3.00	4.00	5.00	7.00
120	1.25	1.60	2.50	3.00	5.00	3.00	4.00	5.00	6.00
200	0.75	1.00	1.50	2.00	3.00	3.00	4.00	5.00	4.00
208	0.60	1.00	1.25	2.00	2.50	3.00	4.00	5.00	4.00
220	0.60	1.00	1.25	2.00	2.50	3.00	4.00	5.00	3.00
230	0.60	0.80	1.25	1.60	2.50	3.00	3.00	4.00	3.00
240	0.60	0.80	1.25	1.60	2.50	3.00	3.00	4.00	3.00
277	0.50	0.80	1.00	1.60	2.00	2.50	3.00	4.00	5.00
380	0.30	0.50	0.75	1.00	1.50	1.60	2.00	2.50	3.00
400	0.30	0.50	0.75	1.00	1.50	1.60	2.00	2.50	3.00
416	0.30	0.50	0.60	1.00	1.25	1.60	2.00	2.50	3.00
440	0.30	0.50	0.60	1.00	1.25	1.60	2.00	2.50	3.00
460	0.30	0.40	0.60	0.80	1.25	1.60	1.60	2.00	3.00
480	0.30	0.40	0.60	0.80	1.25	1.50	1.60	2.00	3.00
550	0.25	0.40	0.50	0.80	1.00	1.25	1.60	2.00	2.50
575	0.25	0.30	0.50	0.75	1.00	1.25	1.50	1.60	2.50
600	0.25	0.30	0.50	0.75	1.00	1.25	1.50	1.60	2.50

For motor control circuits fusing, refer to NEC 430-72.

Secondary Fuse Selection

Glass Fuse

	Transformer Continuous Power Rating (VA)													
Secondary Voltage	50	75	100	150	200	250	300	375	500	750	1000	1500	2000	3000
	Fuse Rating (Amperes)													
12	6.00	10.00	12.00	15.00	20.00	25.00	30.00	—		—	—	—	—	—
24	3.00	5.00	6.00	10.00	12.00	12.00	15.00	—	25.00	—	—	—	—	—
36	2.00	3.00	4.00	6.00	8.00	10.00	12.00	—	15.00	—	—	—	—	—
48	1.50	2.50	3.00	5.00	6.00	8.00	10.00	12.00	12.00	—	—	—	—	—
95	0.80	1.25	1.60	2.50	3.00	4.00	5.00	6.00	8.00	12.00	15.00	20.00	25.00	—
110	0.75	1.00	1.50	2.00	3.00	3.00	4.00	5.00	7.00	10.00	12.00	20.00	25.00	30.00
115	0.60	1.00	1.25	2.00	2.50	3.00	4.00	5.00	7.00	10.00	12.00	20.00	20.00	30.00
120	0.60	1.00	1.25	2.00	2.50	3.00	4.00	5.00	6.00	10.00	12.00	15.00	20.00	30.00
208	0.40	0.60	0.80	1.00	1.60	2.00	2.00	3.00	4.00	6.00	8.00	12.00	15.00	20.00
220	0.30	0.50	0.75	1.00	1.50	1.60	2.00	2.50	3.00	5.00	7.00	10.00	12.00	20.00
230	0.30	0.50	0.60	1.00	1.25	1.60	2.00	2.50	3.00	5.00	7.00	10.00	12.00	20.00
240	0.30	0.50	0.60	1.00	1.25	1.60	2.00	2.50	3.00	5.00	6.00	10.00	12.00	15.00

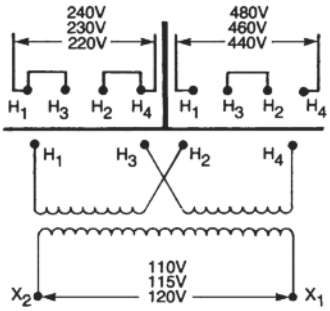


Diagram 1

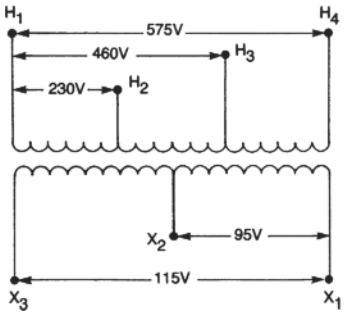


Diagram 2

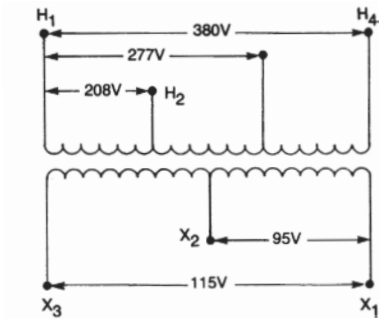


Diagram 3

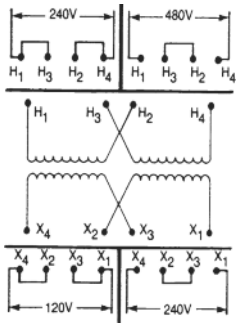


Diagram 4

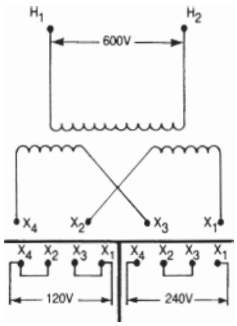


Diagram 5

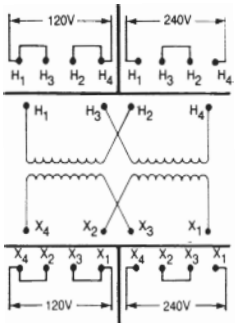


Diagram 6

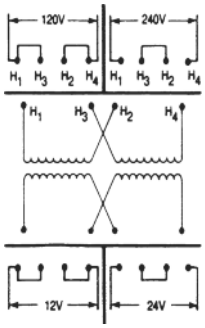


Diagram 7

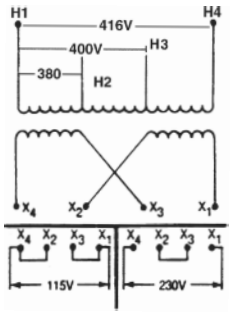


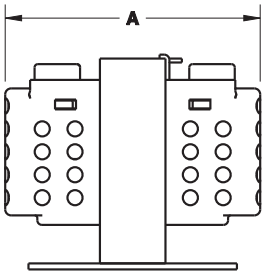
Diagram 8

Outlines and Dimensions

6, 8, 10, 12 and 14 Frames

Terminal Board and Leads Out Connection Style

Frame Size	Outline	Approx. Net Weight (Lbs.)	A Depth (in.)	B Width (in.)	C Height (in.)	E Mounting Depth (in.)	F Mounting Width (in.)	Mounting Slot (in.)
6100	303B957AA	2.4	3.75	3	2.65	2.16	2.5	.219x.750
6125	303B957AA	2.8	4	3	2.65	2.41	2.5	.219x.750
6150	303B957AA	3.1	4.25	3	2.65	2.66	2.5	.219x.750
8100	303B957CA	3.6	4	3.75	3.28	2.16	3.13	.219x.750
8150	303B957CA	5.1	4.5	3.75	3.28	2.66	3.13	.219x.750
8175	303B957CA	5.8	4.75	3.75	3.28	2.91	3.13	.219x.750
8200	303B957CA	6.5	5	3.75	3.28	3.16	3.13	.219x.750
8250	303B957CA	7.6	5.5	3.75	3.28	3.66	3.13	.219x.750
10225	303B957EA	10.7	5.62	4.5	3.9	3.38	3.75	.297x.580
12225	303B957GA	12	5.88	5.25	4.53	3.38	4	.297x.580
12300	303B957GA	16.1	6.62	5.25	4.53	4.12	4	.297x.580
14225	303B957JA	26.7	6.5	6.75	5.78	3.38	5.5	.297x.580
14300	303B957JA	32.7	7.25	6.75	5.78	4.12	5.5	.297x.580
14475	303B957JA	47.4	9	6.75	5.78	5.88	5.5	.297x.580



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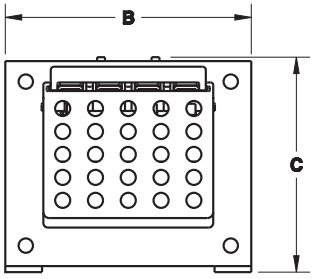
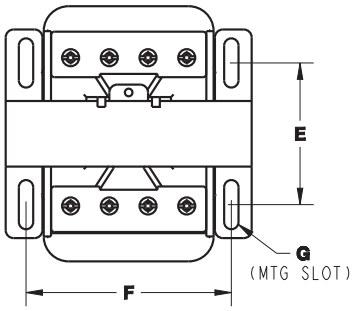
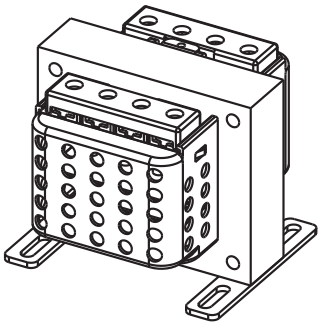


FRONT

TOP





Dry Type Transformers
Open Core and Coil Transformers
CE-Rated

Application

This product is designed to be incorporated into equipment manufactured for sale in the European Community. This product is in conformity with the European Standard:
EN 60 742, 1995 per the provisions of the Low Voltage (LV) Directive 73/23/EEC in 1973 as amended by 93/68/EEC in 1995.

The Type "IP" CE offering utilizes all copper windings, which are encapsulated in a hardened epoxy, making the winding impervious to the elements. These designs are rated at 55° C rise with a 40° C ambient. Standard on these designs are terminal board covers. These provide added protection from current carrying terminals. These designs incorporate customer friendly connection on rugged high-impact molded terminal boards.

Besides being CE rated, these designs are both UL and C-UL listed.

50/60 Hz

Input Voltage	Output Voltage	kVA	Approx. Net Weight (Lbs)	Frame Size	Product Number
230/400 Volts	12/24 Volts	0.025	3	6100	9T58E0020
230/400 Volts	12/24 Volts	0.05	4	6150	9T58E0021
230/400 Volts	12/24 Volts	0.075	4	8100	9T58E0023
230/400 Volts	12/24 Volts	0.1	5	8150	9T58E0024
230/400 Volts	12/24 Volts	0.15	7	8200	9T58E0025
230/400 Volts	12/24 Volts	0.2	12	10225	9T58E0026
230/400 Volts	12/24 Volts	0.25	12	10225	9T58E0027
230/400 Volts	12/24 Volts	0.3	12	10225	9T58E0028
230/400 Volts	12/24 Volts	0.375	16	12225	9T58E0029
230/400 Volts	24/48 Volts	0.05	4	6150	9T58E0061
230/400 Volts	24/48 Volts	0.075	4	8100	9T58E0063
230/400 Volts	24/48 Volts	0.1	5	8150	9T58E0064
230/400 Volts	24/48 Volts	0.15	7	8200	9T58E0065
230/400 Volts	24/48 Volts	0.2	12	10225	9T58E0066
230/400 Volts	24/48 Volts	0.5	19	12300	9T58E0071
230/400 Volts	24/48 Volts	0.75	28	14225	9T58E0073
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.025	3	6100	9T58E0150
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.05	4	6150	9T58E0151
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.075	4	8100	9T58E0153
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.1	5	8150	9T58E0154
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.15	7	8200	9T58E0155
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.2	12	10225	9T58E0156
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.25	12	10225	9T58E0157
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.3	12	10225	9T58E0158
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.375	16	12225	9T58E0159
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.5	19	12300	9T58E0161
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	0.75	28	14225	9T58E0163
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	1	34	14300	9T58E0164
220/380, 230/400, 240/415 Volts	110/220, 115/230, 120/240 Volts	1.5	45	14475	9T58E0165

Factory- or Field-Installed Options

Available as an option are two fuse blocks that have fuse covers that provide the touch safety like the terminal blocks. These can be ordered factory-installed or as kits.

In kit form order:
Fuse block for 2 class CC fuses is 9T58E0000G46. Fuse block for 2 class CC and 1 Midget fuse is 9T58E0000G47.

For factory installation add the G46 or G47 suffix to the transformer product number (example 9T58E0020G47).