

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

¹See page 10-45 for wiring diagrams.

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

