

# 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



# 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	850	S35AC	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™

## Section 10

### 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

