

GE Energy
Industrial Solutions

QL Ultra Efficient Transformers



Spend less on energy.
More on more important things.

No dry-type transformers are more efficient than QL Ultra Efficient transformers. They can save you nearly \$4,000 per year in operating costs, compared to pre-TP-1 transformers, based on a facility the size of an elementary school*. Wouldn't that be music to your ears?

a product of
ecomagination



QL Ultra Efficient Transformers

What will you do with the money you save?

More energy efficient than the TP-1 design, the QL Ultra Efficient transformer – GE’s newest – can save users nearly \$4,000 per year in operating costs, based on a facility the size of an elementary school. Over the life of such a facility, that adds up to more than \$100,000 in savings*. That would buy a lot of French horns. Or books. Or whatever’s important to you.



The QL Ultra Efficient Transformer not only features all of the convenience and reliability you expect from GE, it’s significantly quieter than standard transformers. It’s perfect for schools and colleges and for government, healthcare and commercial buildings. It also helps a project earn LEED® certification points from the U. S. Green Building Council.

- 30% lower operating costs than comparable TP-1 transformers
- Meets or exceeds NEMA TP-1, NEMA Premium® and DOE CSL-3 efficiency
- Available with a K-Factor rating of K4 and K13
- 150°C, 115°C, and 80°C rise
- Ultra-efficient harmonic mitigating available in 0° phase shift and -30° phase shift
- Factory nonlinear test laboratory verifies efficiency under nonlinear load
- Quieter than standard TP-1 transformers
- Seismic qualified to the requirements of ASCE 7.05, IEEE-693-2005 and IBC-2006
- 200% neutral
- Copper ground strap
- Full capacity, universal taps: two 2.5% above nominal and four 2.5% below nominal
- Robust packaging with top and edge protection
- 220°C insulation system
- 40°C ambient
- 10kV-BIL
- Copper windings are standard. Aluminum windings are available.
- UL Listed
- 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
- One-year limited warranty standard. Extended warranty is available.

QL Ultra Efficient Transformers

480V input Voltage, 208Y/120 V Output Voltage, Copper Windings, Meets NEMA Premium® and DOE CSL-3 Efficiency

kVA	Standard				K4			K13			Harmonic Mitigating	
	150°C	150°C with ES Shield	115°C	115°C with ES Shield	150°C	115°C	80°C	150°C	115°C	80°C	0° Phase Shift	-30° Phase Shift
15	*9871	*9871G03	*9871G15	*9871G13	*9461G03	*9461G13	*9461G83	*9471G03	*9471G13	*9471G83	▼9871G03	▲9871G03
30	*9872	*9872G03	*9872G15	*9872G13	*9462G03	*9462G13	*9462G83	*9472G03	*9472G13	*9472G83	▼9872G03	▲9872G03
45	*9873	*9873G03	*9873G15	*9873G13	*9463G03	*9463G13	*9463G83	*9473G03	*9473G13	*9473G83	▼9873G03	▲9873G03
75	*9874	*9874G03	*9874G15	*9874G13	*9464G03	*9464G13	*9464G83	*9474G03	*9474G13	*9474G83	▼9874G03	▲9874G03
112.5	*9875	*9875G03	*9875G15	*9875G13	*9465G03	*9465G13	*9465G83	*9475G03	*9475G13	*9475G83	▼9875G03	▲9875G03
150	*9876	*9876G03	*9876G15	*9876G13	*9466G03	*9466G13	*9466G83	*9476G03	*9476G13	*9476G83	▼9876G03	▲9876G03
225	*9877	*9877G03	*9877G15	*9877G13	*9467G03	*9467G13	*9467G83	*9477G03	*9477G13	*9477G83	▼9877G03	▲9877G03
300	*9878	*9878G03	*9878G15	*9878G13	*9468G03	*9468G13	*9468G83	*9478G03	*9478G13	*9478G83	▼9878G03	▲9878G03

*9T73C catalog number prefix ▼9T76H catalog number prefix ▲9T77H catalog number prefix

Energy Efficiency for 3-Phase Low-Voltage Dry-Type Transformers

TP-1 vs. DOE CSL-3 and NEMA Premium®

kVA	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%
DOE CSL-3	97.9%	98.3%	98.4%	98.6%	98.7%	98.8%	99.0%	99.0%
NEMA Premium®	97.90%	98.25%	98.39%	98.60%	98.74%	98.81%	98.95%	99.02%

To see what a typical building like yours would save, use the easy calculator at www.geindustrial.com/ultra. Or click the link there to request a savings analysis to your site.

*Based on upgrading pre-2007 transformers at an elementary school that uses 13 GE non-TP-1 transformers, ranging in size from 30kVA to 112.5 kVA and energy costs of \$.077/kwh to the equivalent GE QL Ultra transformers. Lifetime savings based on a building life and usage of 30 years.

GE Energy

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