

Energy Policy Act Information — Part II

How much will the Energy Star units cost and what should I keep in stock?

Energy Star transformers are designed using high grade, low loss silicon core steel and low resistance wiring resulting in higher manufacturing costs and higher unit pricing than the current transformers.

You may want to increase your stock of transformers before January 1, 2007. This will allow you to supply your customers with units at the current prices rather than the higher priced Energy Star units. Stocking up on current units will allow you to supply transformers that have matching case dimensions and wiring styles to previously delivered units. Review any orders that require multiple shipments. You may wish to buy stock for any existing orders for transformers that are scheduled to be delivered in 2007.

Why are these transformers more efficient?

Traditionally designed transformers are over 96% efficient when loaded at 50% or greater. An EPA study of installed transformers showed that a typical transformer is only loaded to 35% of maximum. The NEMA TP-1 standard defines the required minimum efficiency to be 97% to 98% when loaded to 35% of maximum rating. The minimum TP-1 efficiency requirements are shown in the charts below. In many cases the Jefferson Electric transformers exceed these requirements.

Single Phase	
KVA	Efficiency Level (%)
15	97.7
25	98.0
37.5	98.2
50	98.3
75	98.5
100	98.6
167	98.7
250	98.8
333	98.9

Three Phase	
KVA	Efficiency Level (%)
15	97.0
30	97.5
45	97.7
75	98.0
112.5	98.2
150	98.3
225	98.5
300	98.6
500	98.7
750	98.8
1000	98.9

How can I learn more?

Contact your Jefferson Electric representative for details on Jefferson's PowerSaver line of Energy Star transformers or contact our headquarters at the numbers listed below.

For more information see our website www.jeffersonelectric.com

Go to Resources>Technical Documents and look at the documents under the "Energy Bill Information" section including: Energy Bill Q&A, TP-1 Whitepaper, and Energy Policy Act Information Parts I, II & III

Jefferson Electric,
phone 800-892-3755, fax 800-942-5169,
info@jeffersonelectric.com, www.jeffersonelectric.com