

5 Ways EnerG² + Frigitek Reduce kWh and Energy Cost

	PRODUCT	REDUCED KWH	HOW
1.	EnerG ²	Compressor	By substituting volatile air temperature with simulated product temperature within the control circuit of the compressor, EnerG ² alters the start/run compressor cycle to a more energy efficient pattern of fewer cycles for longer durations, reducing motor starts and the overall kWh consumption of the compressor .
2.	Frigitek EC Motors	Evaporator Fans	By replacing less efficient Shaded Pole, PSC and 3-Phase evaporator fan motors with high efficiency Frigitek Electrically Commutated Motors (ECMs), the evaporator fan kWh consumption is significantly reduced.
3.	Frigitek EC Motors	Compressor	Frigitek ECMs produce significantly less heat within the refrigerated space than do the existing motors they replace. This heat reduction reduces the load requirement on the compressor unit, reducing compressor kWh consumption.
4.	Frigitek ECM Controllers	Evaporator Fans	By controlling the evaporator fan ECMs to run at full speed only when the cooling cycle is on and at low speed whenever the cooling cycle is off, there is further reduction of fan motor kWh.
5.	Frigitek ECM Controllers	Compressor	By controlling the evaporator fan ECMs to run at full speed only when the cooling cycle is on and at low speed whenever the cooling cycle is off, there is further reduction of heat produced within the refrigerated space which further reduces load on the compressor and further reduces compressor unit kWh consumption.