

## Frigitek Controller/Motor savings

Documentation from recent installation at the 18<sup>th</sup> Street Nando's – Washington DC.



### Before installation

This is the amperage reading of the two fan motors on the evaporator coil with the old shaded pole motors – before installation

3.41 amps or 409 watts



### After installation

This is the amperage reading of the two fan motors after being replaced by the new EC motors. They are currently running at high speed.

.78 amps or 94 watts

This is a 77% reduction in energy use.



This is the amperage reading of the two fans with the EC motors at the slow speed. Since the compressor is running on average about 40% of the time, that means the motors will be at this amperage draw about 60% of the time.

.13 amps or 16 watts

This is a 96% reduction in energy use.

The overall average savings for the fan motors in your box, based on the current duty cycle of 40%, comes in, as we originally estimated, at about 85%.

Also note, there are 2 coils in this cooler so the overall savings will be doubled.