

Testing Procedures

The best scenario for a AircoFridge Optimizer test is to locate two side by side units that are of the same age, that they are of the same tonnage, they both will be under the same load, and that do not share the same common oil.

Once you find the right systems to treat you can easily set up your data logger (such as a remote monitoring system from Winn Energy or a Hobo data logger) on each unit and begin to record your initial readings. The things that you can note for comparison are as follows:

1. Amps
2. Kw or KWH
3. Run Hours
4. Internal Pressures
5. Head Temperature
6. Sound or Decibel Level
7. Vibration Analysis
8. Delta T, this is the difference in the supply air (air coming out of the vents after the evaporator) and the return air (air before the evaporator).

We recommend that a base line for any of these test run for at least a week and readings taken every 15 minutes. Although you may see an initial savings immediately, it takes almost 2-3 weeks for AircoFridge Optimizer to properly travel throughout the hermetic circuit.