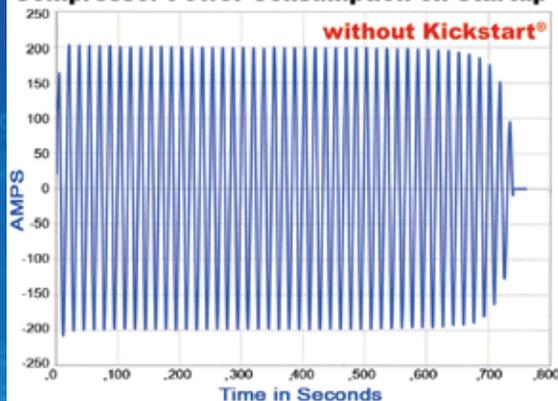


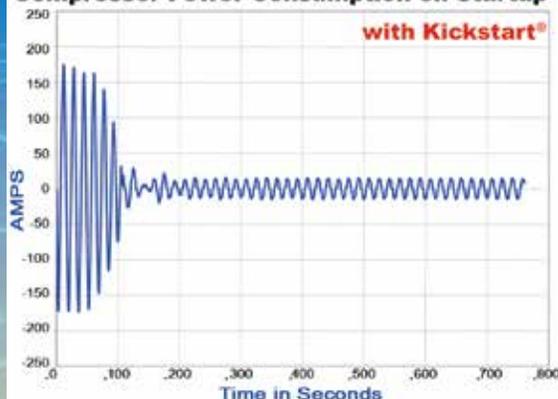
**Graph 1:**

**Compressor Power Consumption on Startup\***



**Graph 2:**

**Compressor Power Consumption on Startup\***



Graph 1 reflects a residential air conditioning unit standard start without a starting device. This puts extreme load on the run windings. In most areas, air conditioners are started 5,000 times a year, which in turn lessens the compressor life.

Graph 2 reflects the same air conditioning unit using a **Kickstart®** starting device. This shortens the start time of the compressor, thus extending its life.



A proper starting device can extend the life of your compressor, by having a quicker, more efficient start.

## Kickstart®

*starting devices are available through your local licensed air-conditioning service contractor.*

Call about installing a Kickstart® on your residential air conditioning system:

Contact: RectorSeal® **P** 713-263-8001 | 800-231-3345  
 2601 Spenwick Drive, **F** 713-263-7577 | 800-441-0051  
 Houston, TX 77055 **W** www.rectorseal.com

# Kickstart®

Proven Reliability & Performance

The Original  
2-Wire Hard Start Device



**Homeowner's Guide**  
**Frequently Asked Questions**

# Kickstart®

**KS-1 for 3.5 - 5.0 ton max. torque**  
**TO-5 for 1.0 - 3.0 ton max. torque**

- **Reduces Stress on Compressor During Start Up**
- **Extends Compressor Life**
- **Proven Performance and Reliability**
- **3-year Warranty**

## “What do Kickstart® devices do?”

**Kickstart®** starting devices allow your air conditioning and heat pump compressors to start with maximum efficiency. In some cases, starting ten times faster than compressors without a starting device installed.

A typical A/C unit has an Energy Efficiency Rating (EER) of **less than 50%**.

ONLY half of the electricity is being used!

Because of this, the compressor has to work much harder, exposing it to excess heat on each and every start.

With **Kickstart®**, the EER is **BOOSTED to over 98%**, utilizing all available electricity for SMOOTHER, FASTER start ups!

## “What are the benefits of having Kickstart® installed?”

### #1: Extends the life of your compressor.

**Kickstart®** minimizes the amount of damaging heat inside the compressor during start up.

Over time, this reduces stress on wiring and other critical components of the system and extends the life of the compressor.

### #2: Prevents the lights from dimming whenever the A/C unit starts up.

Your A/C compressor is the largest user of electricity in your home. When starting, it will often dim your lights.

**Kickstart®** technology makes the most-efficient use of your electricity for EVERY start up eliminating this problem.

## “What is the life expectancy of a Kickstart® device?”

All **Kickstart®** starting devices currently come with a Three Year Warranty.

Because **Kickstart®** starting devices are constructed with the HIGHEST quality components, the average life expectancy of **Kickstart®** components are generally 10 years or 50,000 starts!



## “If starting devices are so important, why does my unit come without one pre-installed?”

At one time, all air conditioning and heat pump units had starting devices installed at the factory.

Several years ago, in order to make A/C units more affordable, manufacturers discontinued equipping their units with starting devices.

Original equipment manufacturers have approved the installation of **Kickstart®**; leaving the decision to install one up to the homeowner.

With a **Kickstart®** device installed by a Licensed Technician, you can be certain your unit will start reliably with the least amount of energy consumption and stress, each and every time.