

NEW!

Power Up With SmartStart™

Eliminate Startup Spikes



SmartStart™ Model #4220040 shown

The biggest drain on your power source usually occurs when the air conditioning compressor starts. The big power surge can cause lights and other electrical appliances to flicker and falter. In severe cases, the surge can cause the boat to lose power completely.

The SmartStart™ is a unique device that smoothes out startup power demand instead of spiking it, reducing amp requirements by up to 65%. The technology uses dynamic feedback control to reduce the inrush of current by starting the compressor motor slowly. No other soft starter in the industry provides better performance.

Discover How to Save Money and Energy

Once running, an air conditioning compressor has a much lower, steady amp draw, but the initial locked-rotor amps needed to start the system can create high current surges that could adversely affect the operation of an overstrained power source.

In some situations, this gentler method of handling the power surge can mean the difference between keeping the generator you have or investing thousands of dollars in a larger generator.

For boats without a generator, the SmartStart™ may allow the option of powering an air conditioning system from an inverter.

When running on dock power, a SmartStart™ may resolve issues where the power source or connection may be weak.

Continued on reverse side

Key Benefits

- Reduces strain on the power source.
- Reduces brown-out effects at compressor start up.
- May enable an inverter to power A/C.
- May eliminate the need to upgrade your generator.
- Inexpensive.
- Small and lightweight.

Customer comment:

"The generator's control circuit would trip and stop the generator due to the inrush of the Emiko's heat pump. The SmartStart reduced that inrush of current so the generator would continue to run.

We started with an inrush of 77 amps and finished with an inrush of only 20 amps. [The SmartStart] is a great solution to our problem."

M/V Emiko, 37 ft. Nordic Tug
Mr. John Poole, Poole Refrigeration Service
Alameda, CA

Not only does the SmartStart™ ease strain on the power source, it's also less stressful for the compressor itself since it starts more gently. Additionally, it provides valuable protection by shutting down the compressor if the power source or the connection to the compressor is briefly interrupted, then it reattempts a soft start after a three-minute delay.

Little Package

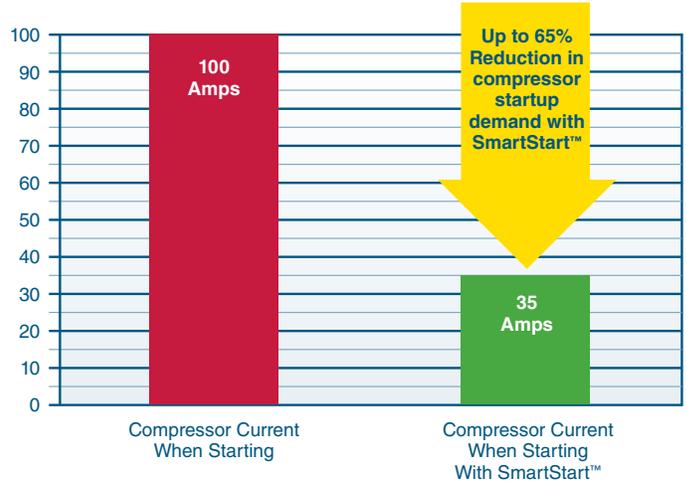
All this power comes in a surprisingly small package. At only 5 x 3 x 2 in. (127 x 76 x 51 mm), the SmartStart™ takes up little space and weighs only 15 oz. (0.43 kg.). The SmartStart™ is wired directly into the air-conditioning system's electrical box.

Technical Specifications for SmartStart™

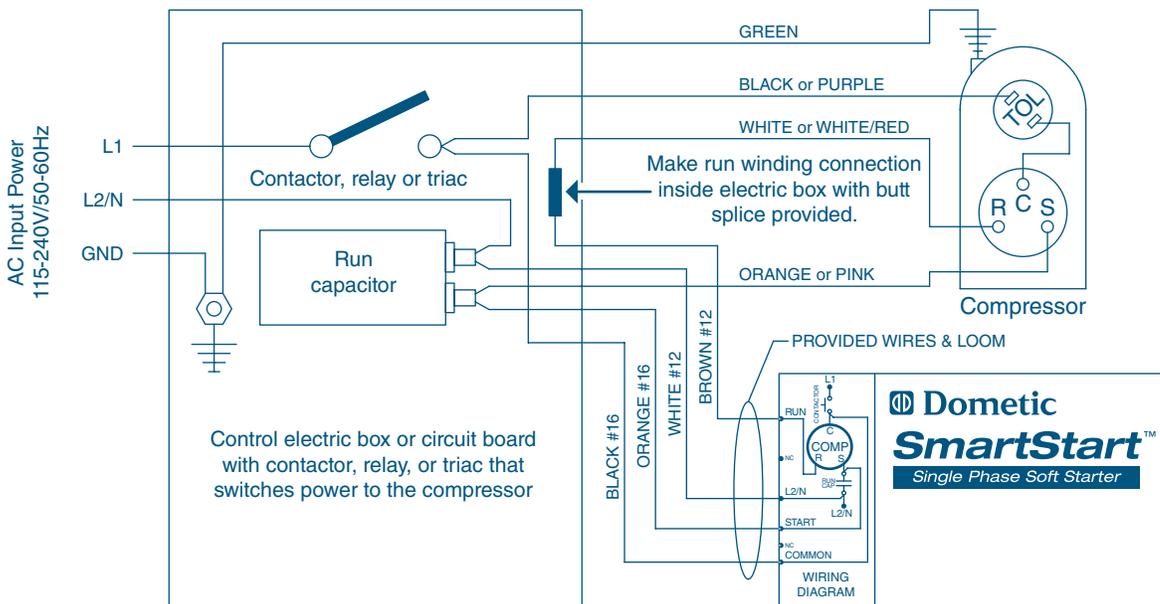
Model	Voltage (volts) / Frequency (Hz)	Supported Compressor Capacity Range (BTUs)
4220040	115/60	5K–18K
4220043	208–240/50–60	12K–30K
4220044	208–240/50–60	36K–60K
SmartStart™ Accessories		
4220045	Optional Mounting Tray	

Notes:

- Maximum continuous current for all models: 32 Amps.
- Typical start surge reduction as compared to compressor locked-rotor amperage (LRA): 65%.



SmartStart™ Wiring Diagram



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Environmentally Responsible

Dealer: