

SmartStart™ Benefits These A/C Systems

Dometic's SmartStart soft starter dramatically reduces the startup power demand of Cruisair and Marine Air self-contained and split-gas air conditioning systems with single-phase compressors.



◀ Stowaway (Cruisair) and Vector (Marine Air) Turbo series self-contained air conditioners



▶ Stowaway (Cruisair) and Vector (Marine Air) Compact series self-contained air conditioners



◀ Emerald series R-410A split condensing units for Cruisair and Marine Air systems

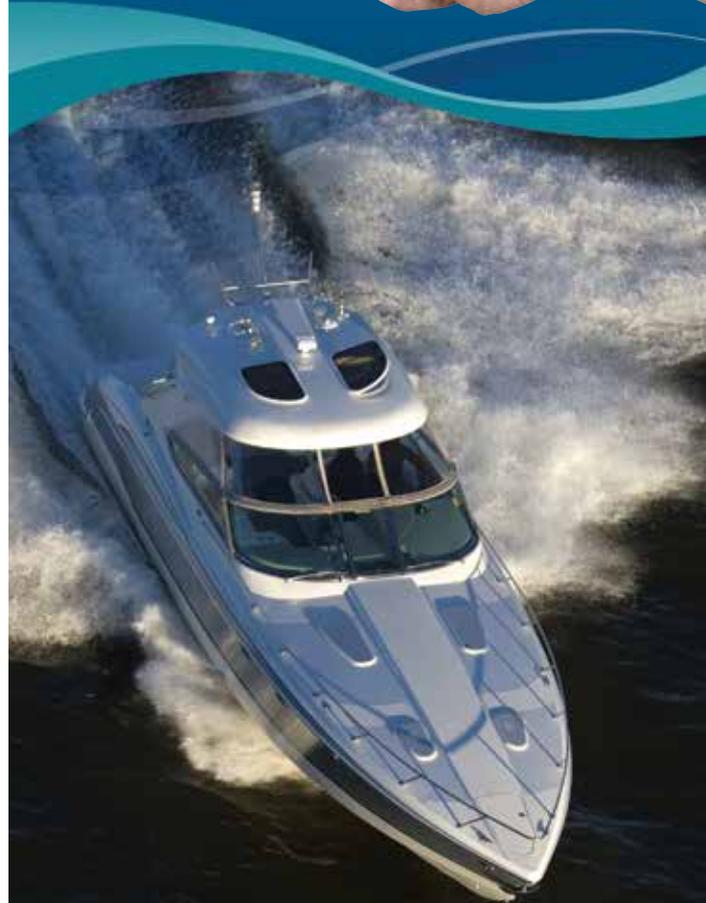


▶ Cruisair and Marine Air R-417A split condensing units



Eliminate A/C Startup Spikes

With the SmartStart™ Soft Starter



Cruisair®
by Dometic GROUP

MARINE AIR SYSTEMS®
AIRRRRRRR
by Dometic GROUP

SmartStart™ Reduces A/C Compressor Startup Demand by Up to 65%

Dometic's SmartStart single-phase soft starter is a unique device that uses dynamic feedback control to reduce the inrush of starting current to the compressor.

This gentler method of handling the power surge has several important benefits.

In the short term, SmartStart eliminates light flicker during air conditioner startup and significantly reduces compressor startup noise — ideal for self-contained systems installed in or near cabins.

In the long run, SmartStart may eliminate the need to upgrade the boat's generator. For boats without a generator, SmartStart may allow powering the air conditioning system from an inverter. In addition, SmartStart protects the compressor from sudden interruptions or reductions in power, thereby extending compressor life.

Remarkable Benefits and Value In a Small and Lightweight Package

All this power comes in a surprisingly small and lightweight package. The SmartStart weighs less than one lb., and, once electrical connections are made, may fit inside the electrical box or mounted unobtrusively on a flat surface. An optional mounting tray is available.



The SmartStart connected to the electrical box of a Turbo air conditioner.

Product Testimonial

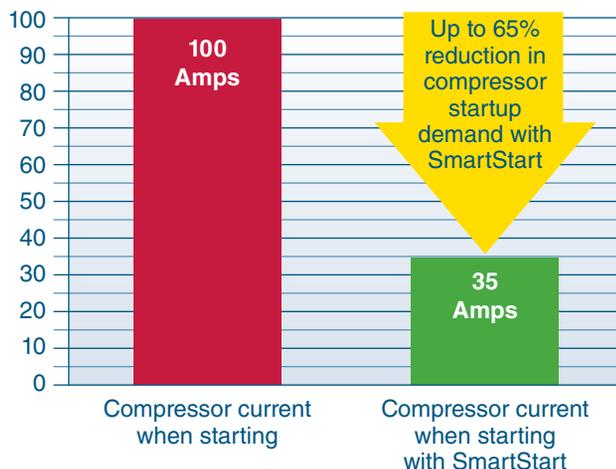
"The generator's control circuit would trip and stop the generator due to the inrush of the *Emiko's* heat pump. The SmartStart reduced that inrush of current so the generator would continue to run.

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."

— John Poole, *M/V Emiko* (37-ft. Nordic Tug)

No Other Soft Starter In the Industry Provides Better Performance

- Reduces strain on the power source.
- Reduces light flicker during compressor startup.
- May enable an inverter to power the air conditioner.
- May eliminate the need to upgrade the generator.
- Protects the compressor from sudden interruptions or reductions in power.
- Significantly reduces compressor startup noise — ideal for self-contained systems installed in or near cabins.
- Allows A/C unit to start much more easily under poor shore power conditions, or connections with inadequate voltage that could otherwise cause the compressor to stall during startup.



SmartStart Part Numbers

Model	Voltage/Freq.	Supported BTU Capacity
4220040	115/60	5K-18K
4220043	208-240/50-60	12K-30K
4220044	208-240/50-60	36K-60K

SmartStart Accessories

Model	Description
4220045	Optional Mounting Tray



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