

BlueStars CSR-U2 Hard Start Capacitor Kit - Compatible for Air Conditioner 3 1/2 to 5 Ton Units



5-2-1 CSR-U2 Compressor Saver Hard Start Capacitor by Blue Stars **Perfect Fit, Long-lasting & Smooth Operation**

The CSR-U2 Compressor Saver Hard Start Capacitor protects vital components of your air conditioner by significantly reducing the amount of time it takes for your compressor to start - in some cases up to 50%. It helps your air conditioner and compressor bear ½ the stress, strain and heat each and every time it starts.

MAIN FEATURES The 5-2-1 method is approved by all major compressor manufactures, more safely; Easy to install, with only three wires to connect.

- Easy to install
- Made of high quality materials
- Wide compatibility with OEM specifications
- No harmful chemicals and safe to use
- Long-lasting



Easy Installation

The part has been prewired to make the installation fast and convenient. The kit also includes mounting screws and a zip-tie

- Plug and Play
- Totally safe

- **MODEL APPLICATION:** CSR-U2 Hard Start Capacitor Kit designed for 3.5 to 5 ton air conditioning units. Helps provide the needed boost for AC compressors during startup, especially on older or hard-starting systems.
- **BOOSTS COMPRESSOR PERFORMANCE:** This part delivers powerful starting torque up to a 500% increase to help the compressor start more easily under heavy load or low-voltage conditions. By reducing startup strain and shortening the time it takes for the compressor to reach full speed, this kit supports smoother operation and may prolong compressor service life. Ideal for units that struggle to start or frequently trip breakers.
- **WIDE COMPATIBILITY:** Compatible with many residential HVAC systems using a standard 3.5 to 5 ton setup. Works as a replacement option for CSR-U2, CSRU2, and similar 5-2-1 style hard start kits.
- **EASY INSTALLATION:** Designed for straightforward installation by HVAC professionals. Clear wiring leads allow fast connection to existing terminals for immediate performance improvement.
- **IMPORTANT SAFETY WARNING – PROPER INSTALLATION REQUIRED:** This hard start capacitor kit must be installed correctly and according to the wiring diagram. Incorrect wiring, improper installation, or using the product outside recommended conditions may cause capacitor failure or damage to the AC system. If you are unsure about installation, please message us before installing – we're always happy to help ensure safe and proper use.
- **DURABLE, HIGH-QUALITY BUILD:** Constructed with reliable components engineered to handle frequent high-load starts. Built to maintain strong, stable performance across demanding temperature conditions.

Perfect Fit - It is made exactly fit for most AC brands and is compatible for 3 1/2 to 5 Ton Units

Premium Quality- The product is made of strong & durable materials that prevents cracking and failing during the installation and use process.

Saving Solution - Enjoy the great feeling when your A/C is repaired and works properly like before - BlueStars brings DIY solutions to help you deal with any trouble.

General tips:

For 3.5 to 5 ton HVAC units, a hard start kit with a capacitance range of **189-227 MFD** to **270-324 MFD** is required, typically rated for 330 VAC. Common, high-performance, three-wire kits like the CSR-U2 or 5-2-1 Compressor Saver are designed specifically for this range to provide maximum starting torque.

Key Considerations:

Capacity (MFD/μF): 3.5–5 ton systems usually require 189–227 MFD or 270–324 MFD, depending on the specific model and manufacturer.

Voltage Rating: Must be rated for at least 330 VAC.

Kit Type: 3-wire potential relay kits are generally recommended for superior, safer starting performance over 2-wire thermistor kits.

Compatibility: Designed for single-phase 208/230V systems.