

# SS

## SERIES

REDUCED VOLTAGE SOFT START



208 V – 460 V | 30 – 100 HP | MOTOR PROTECTION  
MOTOR SOFT STARTER | REDUCES INRUSH CURRENT

## STARTER ATTRIBUTES

### Key Features

#### ► Comprehensive Motor Protection

Safeguards motors against critical conditions including:

- Dry-run (over/under power)
- Over/under voltage
- Voltage and current phase imbalance
- Phase loss
- Stalled or locked rotor
- Ground fault (UL1053 certified)
- Cycle faults

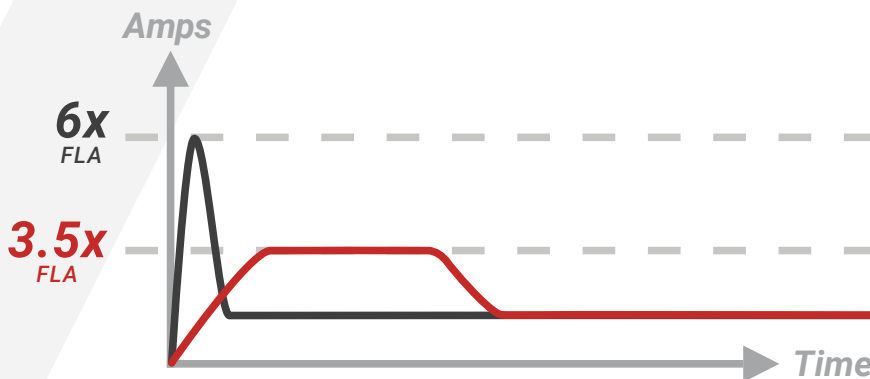
#### ► Cost-Saving Design

Eliminates the need for expensive external pump protection relays.



## SOFT START VS. MOTOR

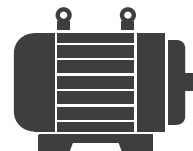
Phase Technologies Soft Starter reduces inrush current and mechanical stress during startup, extending the life of your equipment. The SS Series ensures a gentle ramp-up to full motor speed—minimizing wear, improving reliability, and enhancing overall system performance and longevity.



SS can handle 350% of its rating for up to 30 seconds



**Soft Start**



**Motor**



**Motor Protection**



**Reduced Inrush Current**



**508A Panel Shop**



**Smooth Acceleration**

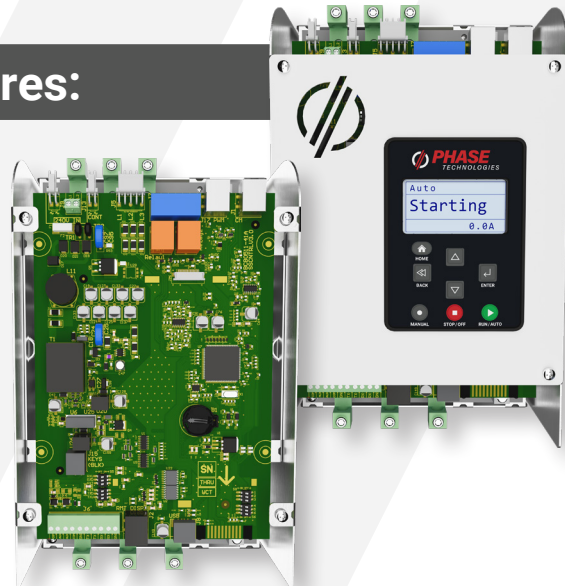


**Extended Equipment Life**



## Operational Flexibility & Control Features:

- ▶ **Full Horsepower-Rated Bypass Contactor**  
Ensures efficient operation and reduced heat during run mode.
- ▶ **Emergency Start Capability**  
Allows across-the-line starting, converting the soft starter into a standard motor starter for critical situations.
- ▶ **Customizable Start Modes**  
Offers precise control with adjustable:
  - Current limit
  - Initial voltage
  - Start time
  - Torque boost for demanding startup conditions
- ▶ **Versatile Stop Options**  
Includes multiple stop modes to suit application needs:
  - Coast to stop
  - Linear deceleration to minimize water hammer
  - Adjustable stop voltage and stop time for smoother shutdown



## Product Specifications

Model / Part Number	Rated Current	Horsepower
SS040R	40 A	30
SS080R	80 A	60
SS130R	130 A	100

- ▶ **508A Panel Shop Options**
  - NEMA 3R Enclosure
  - Service Rated Breaker/Disconnect
  - Surge Protection



# PRODUCT BUILDER

[PHASETECHNOLOGIES.COM/PRODUCTS](https://phasetechnologies.com/products)



UP-TO-DATE

- ✓ LEAD TIMES
- ✓ PRICING
- ✓ DIMENSIONS



# Brochure - Reduced Voltage Soft Start



DIGITAL PHASE  
CONVERTERS

VARIABLE  
FREQUENCY  
DRIVES

MOTOR  
PROTECTION

SOFT  
STARTER

508A  
PANEL  
SHOP

## OUR MISSION

Relentlessly seek to provide *Uncommon Value*, solutions, innovation, and support for the industries that we serve.



VISIT OUR WEBSITE FOR MORE INFO  
**PHASETECHNOLOGIES.COM**

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