



208 V – 460 V | 30 – 100 HP | Motor Protection  
Motor Soft Starter | Reduces Inrush Current

## SS SERIES REDUCED VOLTAGE SOFT START



**Motor  
Protection**



**Reduced  
Inrush Current**



**508A  
Panel Shop**



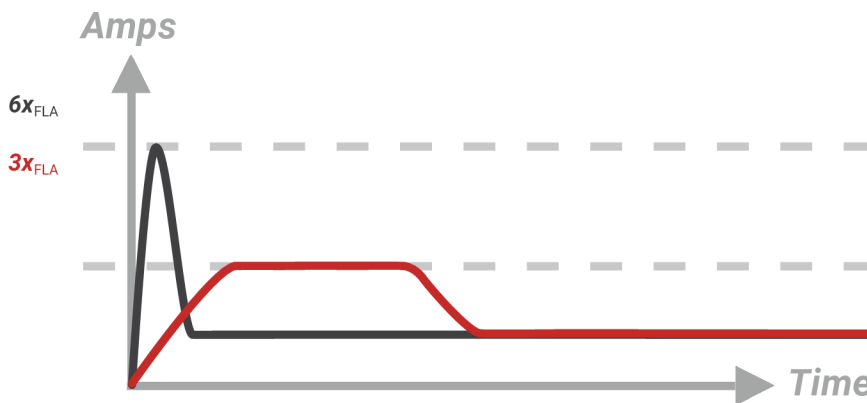
**Smooth  
Acceleration**



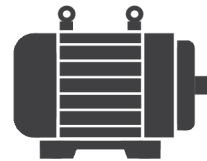
**Extended  
Equipment Life**

### 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.



**Soft Start**



**Motor**

### 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. 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.

## 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

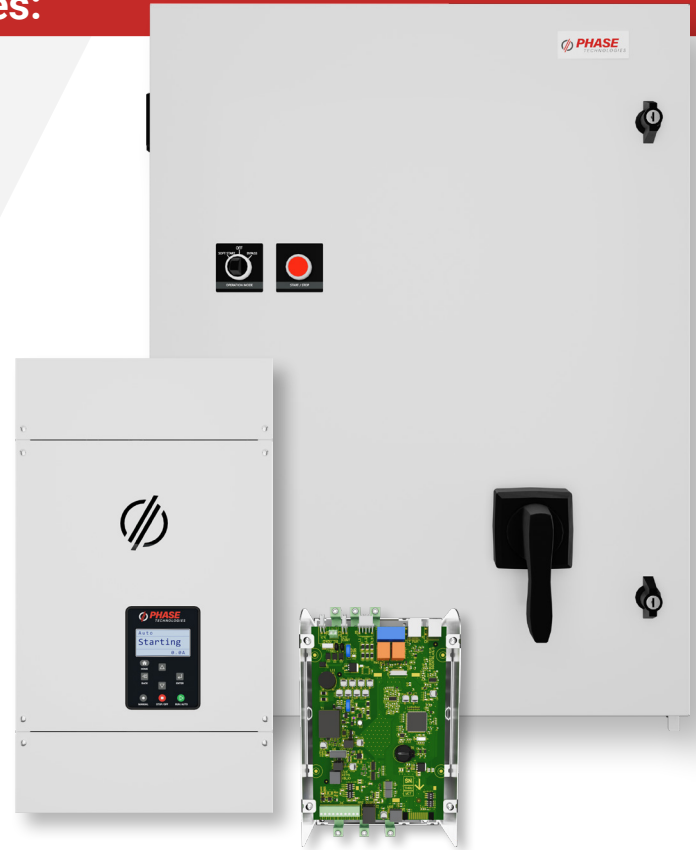
Offers precise control with adjustable:

- ▶ **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

### 508A Panel Shop Options

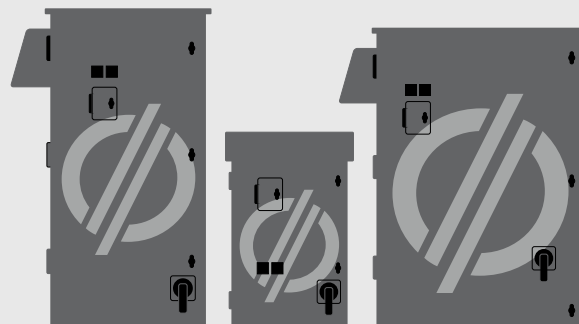
- ▶ **NEMA 3R Enclosure**
- ▶ **Service Rated Breaker/Disconnect**
- ▶ **Surge Protection**



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

**PRODUCT** BUILDER

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



**UP-TO-DATE**

- ✓ **LEAD TIMES**
- ✓ **PRICING**
- ✓ **DIMENSIONS**

