

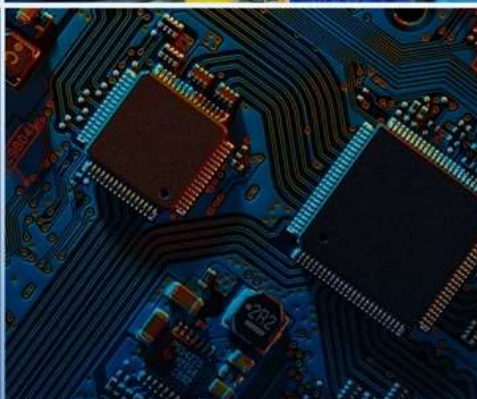
SSW07 Overview



Driving efficiency and sustainability



Class: SSW071
Version: 01.2025



Automation
Training

SSW07



SSW07 – REDUCED VOLTAGE SOFT STARTER

- Soft Starters are static starting devices, designed for the acceleration, deceleration, and protection of the three phase, electric induction motors through the control of the voltage applied to the motor. The WEG SSW07, with DSP control (Digital Signal Processor), was designed to provide great performance on motor starts and stops with an excellent cost-benefit relation. Easy to set up, it simplifies start-up activities and daily operations.
- The SSW07 is compact, optimizing space in electric panels. The SSW07 incorporates all electric motor protections and adapts to customer needs through its easy-to-install optional accessories. Optionally, a keypad, a communication interface, or a motor PTC input can be added to the product.



SSW07



MAIN FEATURES



- Universal voltage (220 to 575 Vac)
- Built-in run rated (AC1) By-pass contactor
- Easy operation, setup, maintenance & installation.
- Simple setpoint programming through trim pots.
- Operates in environments up to 55°C without current reduction.
- Integral electronic motor protection.
- Built-in electronic thermal relay
- Conformal coated circuit boards.

SSW 07



- **Main Power Supply**
 - 220 to 575 Vac
- **Control Power Supply**
 - Size 1 to 3: 110 to 240 Vac
 - Size 4: 110 to 130 Vac
- **Current Rating**
 - Size 1: 17A, 24A, and 30A
 - Size 2: 45A, 61A, and 85A
 - Size 3: 130A, 171A, and 200A
 - Size 4: 255A, 312A, 365A, and 412A



SSW07 PROGRAMMING FEATURES



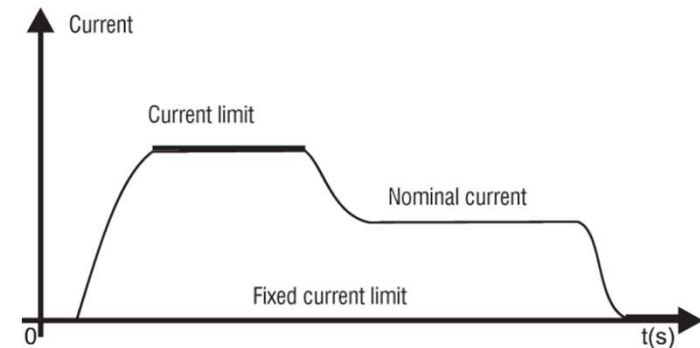
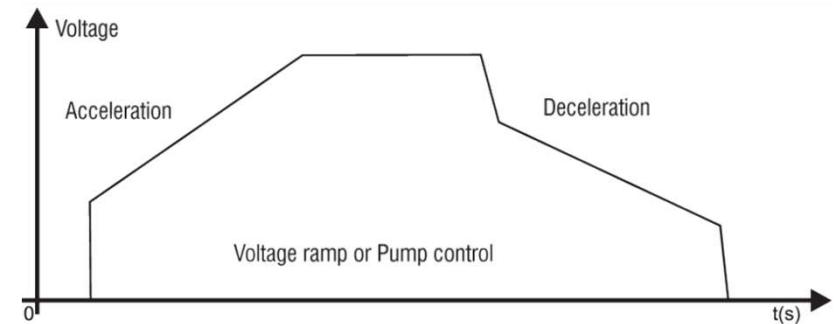
All programming necessary for starting any load is available through trim pots and dip-switch.

Voltage Ramp

It permits smooth acceleration and/or deceleration through voltage ramps.

Current Limit

The current limit during the start is according to the application requirements.



SSW07 PROGRAMMING FEATURES

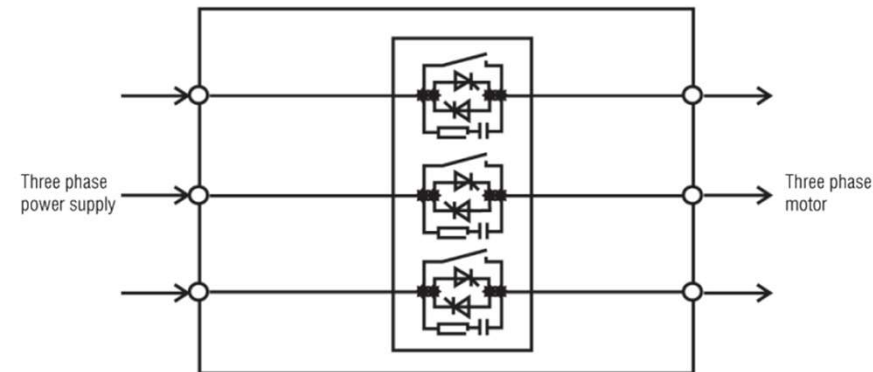
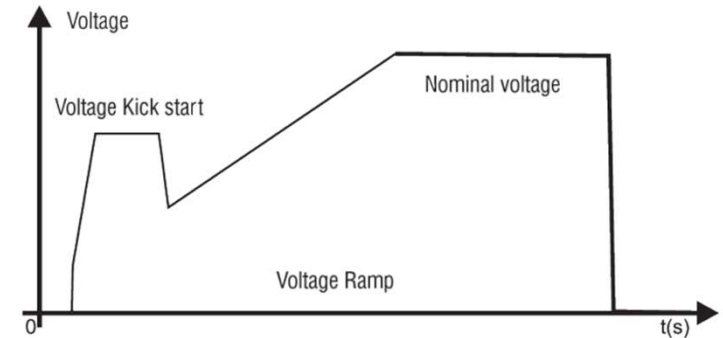


Voltage Kick Start

Enables an initial voltage boost, which provides initial starting torque. This is necessary for starting high breakaway torque loads.

Built-in By-Pass

Built-in by-pass minimizes power loss and heat dissipation in the thyristors, reducing size and saving energy. This is available in all models.

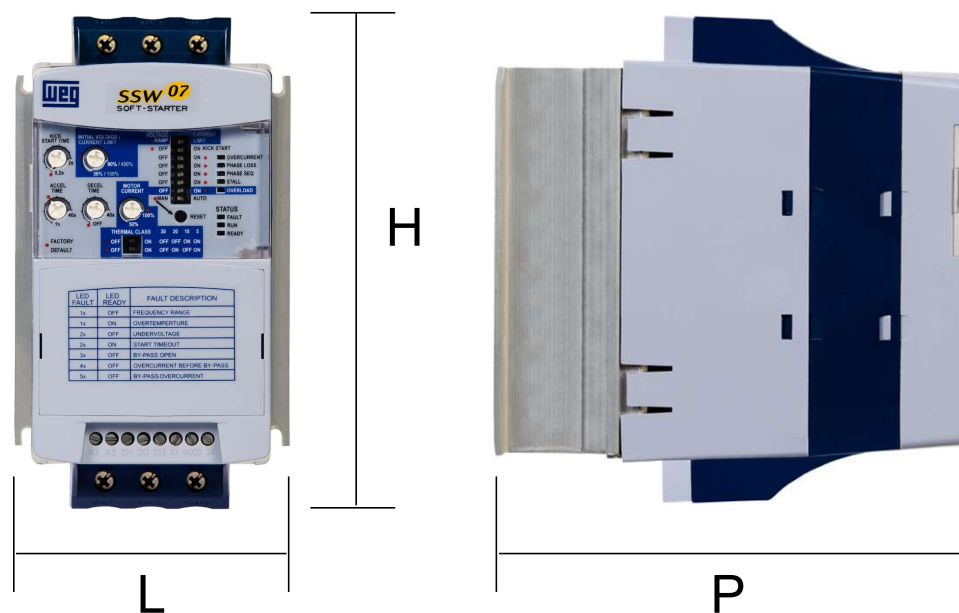


SSW07 DIMENSIONS

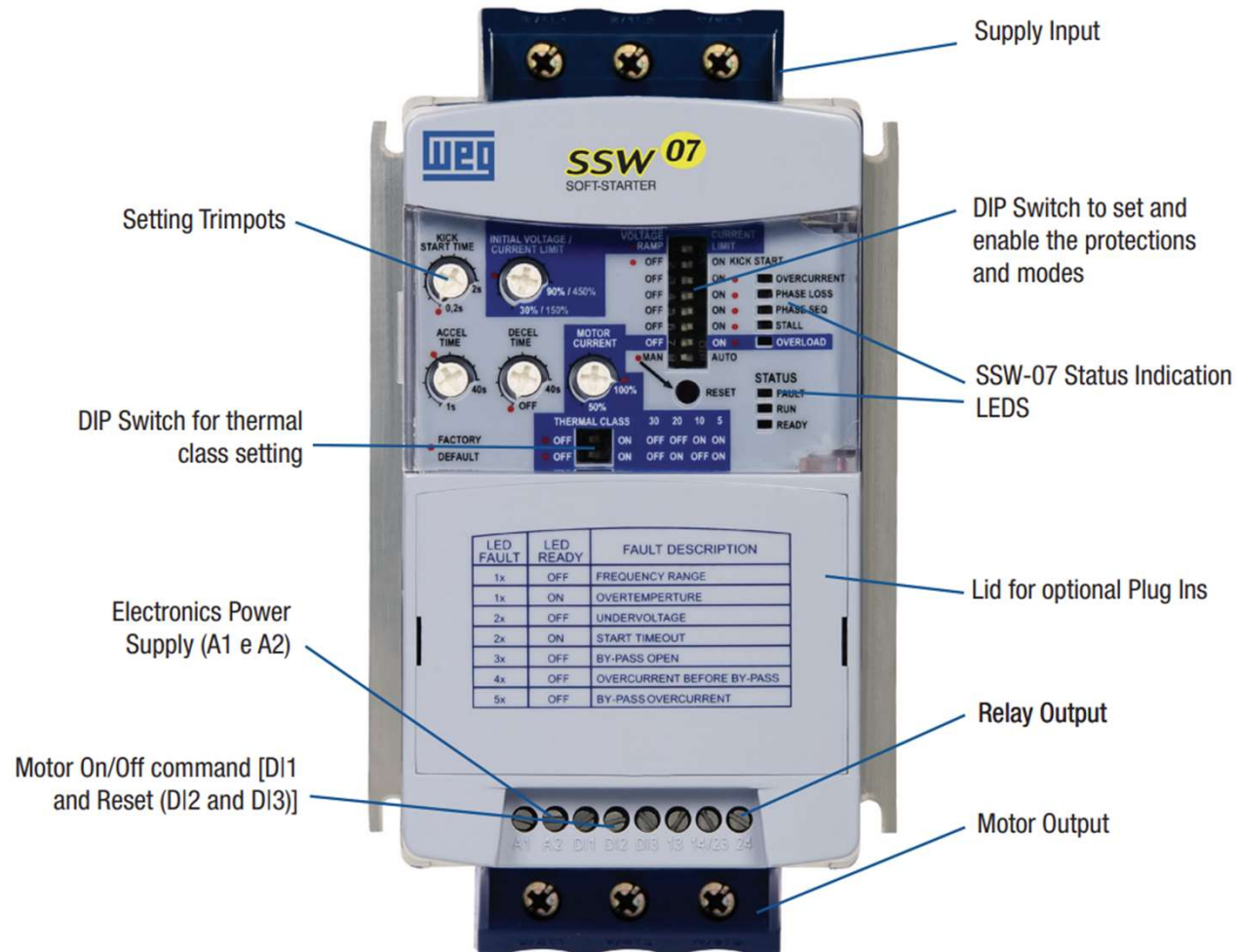


Frame Size	IP Rating	Height 'H' In. (mm)	Width 'L' In. (mm)	Depth 'P' In. (mm)
1	IP20	6.4 (162)	3.8 (95)	6.2 (157)
2	IP20	8.3 (208)	5.6 (141)	8.0 (202)
3	IP20	10.9 (276)	8.6 (218)	8.7 (220)
4	IP00	13.1 (331)	9.0 (227)	9.6 (242)

Frame Size 4 can be IP 20 with an optional kit.



SSW07



ACCESSORIES: KEYPADS



Local



Remote



Not included with the SSW07.

ACCESSORIES: COMMUNICATION



RS-232 Communication Kit



RS-485 Communication Kit



DeviceNet Communication Kit plus Remote HMI Connection



ACCESSORIES: FAN KIT



FAN KIT FOR SIZE 2 AND 3

Starting Cycle without Fan:

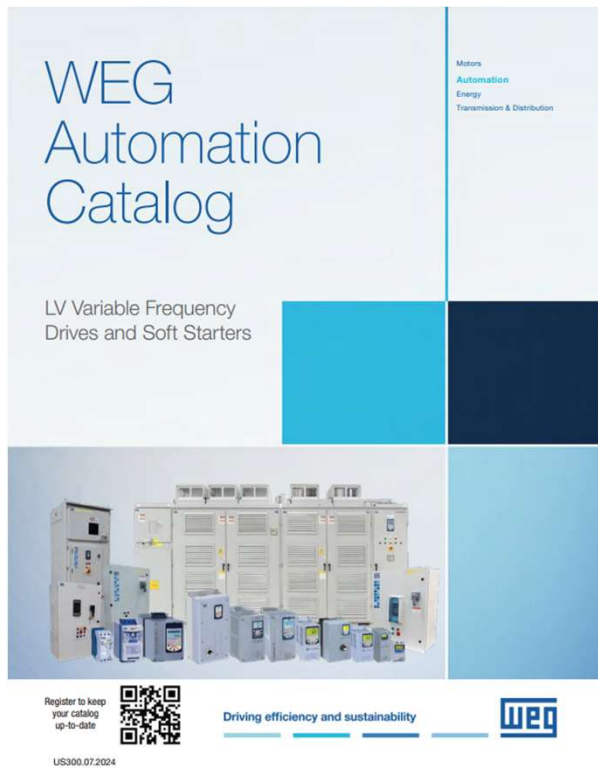
3 x In for 30s; **3 times** / hour @ 55°C

Starting Cycle with Fan:

3 x In for 30s; **10 times** / hour @ 55°C



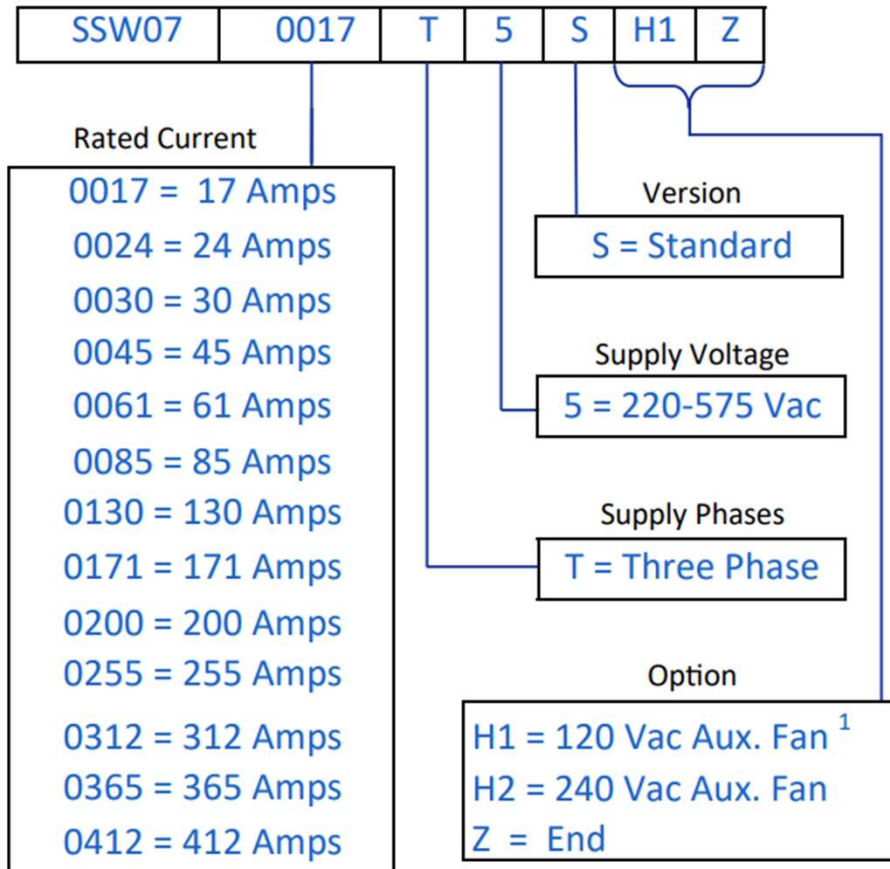
Sizing and Selecting



**Access our
Interactive
Catalog on-line**



SSW07 Catalog Number Sequence





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