



## WEG Soft Starters

- Extend equipment life by decreasing mechanical strain
- Reduce water hammer
- Ideal for use with pumps, fans and blowers



WEG soft starters provide full motor protection by allowing your pump motor to ramp up or down in speed over a period of time. This process can reduce damaging water hammer, and minimize electrical and mechanical wear and strain on motors, couplings and transmission equipment.

All parameters and set-up selections are made via dip switches and potentiometers. Status LEDs alert you to operational status. Starters feature built-in bypass contacts for low heat dissipation during running operations. They also have digital inputs for start/stop and fault reset, relay outputs for run indication and full voltage indication, adjustable acceleration and deceleration ramps, and adjustable pedestal voltage. Mount starters directly on a DIN rail.

**Note:** For use with variable torque loads only. 120-VAC control power supply required.

<b>Line voltage:</b>	220-460 VAC, 50/60 Hz, 3-phase
<b>Control voltage:</b>	120 VAC
<b>Duty cycle:</b>	300% rated current during 10 seconds, 4 starts per hour
<b>Control inputs:</b>	one input for start/stop (90-250 VAC) one input for fault reset (90-250 VAC)
<b>Control outputs:</b>	one relay output for run indication (1A @ 250V) one relay output for full voltage indication (1A @ 250V)
<b>Protections:</b>	motor overload, locked rotor, over current, phase sequence, phase loss (all the above may be disabled)
<b>Pedestal voltage:</b>	30 to 80% of line voltage
<b>Acceleration time:</b>	1 to 20 seconds
<b>Deceleration time:</b>	1 to 20 seconds
<b>Operating conditions:</b>	32 to 131°F

MAX HP @ LISTED VOLTAGE	AMPS (MAX)	DIMENSIONS (H x W x D)	STOCK #	EACH
230 VOLTS	460 VOLTS			\$
3	5	5.1" x 2.3" x 5.7"	21998	
5	10	5.1" x 2.3" x 5.7"	21999	
7.5	15	5.1" x 2.3" x 5.7"	22000	
10	20	5.1" x 2.3" x 5.7"	22001	
15	30	7.3" x 3.1" x 6.8"	22002	
20	40	7.3" x 3.1" x 6.8"	22003	
30	60	7.3" x 3.1" x 6.8"	56857	

See pages 326-328 for our selection of **Fuses.**



**BEST VALUE**



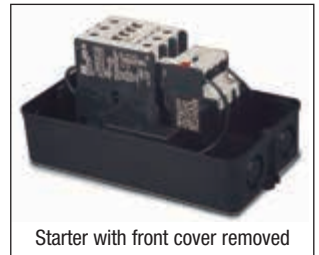
**UPDATED models!**

## WEG NEMA 4X Enclosed Motor Starters

- NEMA 4X enclosures stand up to harsh environments
- Quick and easy operation—start/stop and reset buttons on cover

Protect your motors from overload with these pre-wired, factory-assembled starters. They feature IEC magnetic starters, adjustable bimetallic overload relays and electrically isolated NO/NC auxiliary contacts. Reset feature can be set for manual or automatic operation. Starters offer 120V control voltage, and accept a separate control from a float or pressure switch.

Additional options are available as special order, including alternate coil voltages, higher horsepower and combination starters. Contact USABlueBook for more information.



Starter with front cover removed

### 1-Phase Starters

MAX UL HORSEPOWER	OVERLOAD RANGE	DIMENSIONS (H x W x D)	STOCK #	EACH
115V	230V			\$
1/3	1	5.6 to 8.0 FLA	301300	
1/2	—	7.0 to 10 FLA	301301	
3/4	2	10 to 15 FLA	301302	
1	3	11 to 17 FLA	301303	
1 1/2	5	15 to 23 FLA	301304	
2	5	22 to 32 FLA	301305	

### 3-Phase Starters

MAX UL HORSEPOWER	OVERLOAD RANGE	DIMENSIONS (H x W x D)	STOCK #	EACH
200V	230V	460V		\$
—	1/3	1/2	0.8 to 1.2 FLA	301306
—	—	1	1.2 to 1.8 FLA	301307
1/2	3/4	1 1/2	1.8 to 2.8 FLA	301308
1	1	2	2.8 to 4.0 FLA	301309
1 1/2	1 1/2	3	4.0 to 6.3 FLA	301310
2	2	5	5.6 to 8.0 FLA	301311
3	3	—	7.0 to 10 FLA	301312
—	—	7 1/2	8.0 to 12.5 FLA	301313
5	5	10	11 to 17 FLA	301314
7 1/2	7 1/2	15	15 to 23 FLA	301315
10	10	20	22 to 32 FLA	301316
10	15	30	25 to 40 FLA	301317
15	15	30	32 to 50 FLA	301318
20	20	40	40 to 57 FLA	301319
—	25	50	57 to 70 FLA	301320

