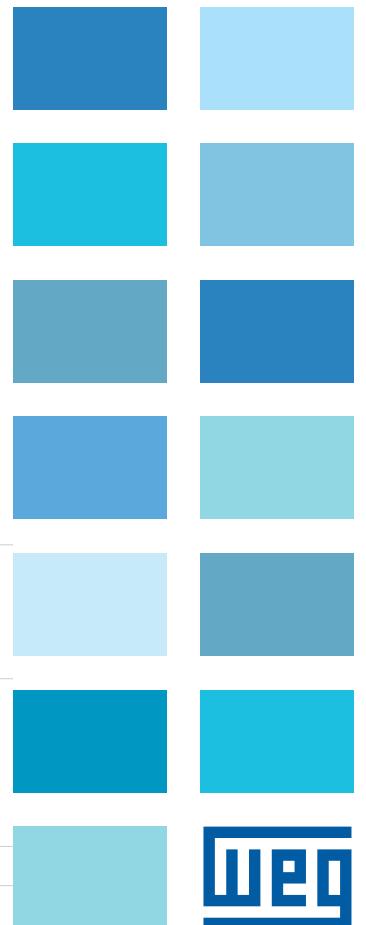
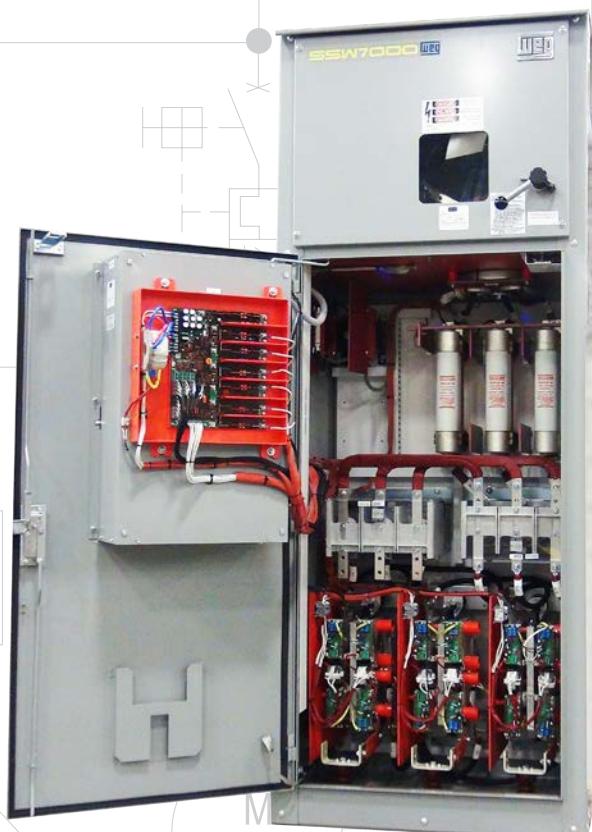


# Medium Voltage Soft-Starter Quick Ship

## NEMA 12, SSW7000C

NEXT  
GENERATION

- Flexible Torque Control
- Active Motor Protection
- Soft PLC Function
- UL 347 Listed



# Tag Line for Medium Voltage Soft-Starter



The SSW7000C uses state-of-the-art technology to provide start / stop control and protection for three-phase induction and synchronous motors. Developed to ensure excellent performance, it prevents mechanical shocks to the drivetrain, protects the motor against related burnouts or current surges in the power supply and thus offers a complete solution for various applications.

## Applications

- Blowers
- Compressors
- Conveyors
- Chippers
- Fans
- Exhausters
- Pumps

## Industries

- Chemical, Petrochemical, Oil and Gas
- Cement and Mining
- Steel and Metallurgy
- Sugar and Chemical
- Pulp and Paper
- Water and Waste Water Management



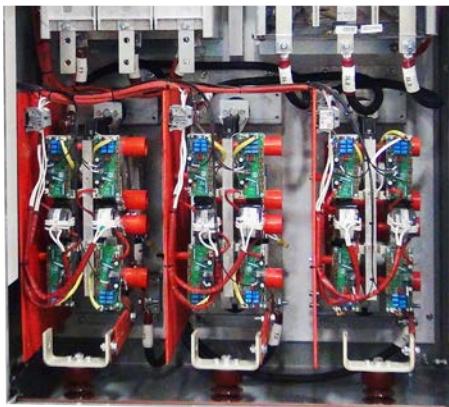
# SSW7000C

## Standard Features:

- Motor voltage: 2.3kV, 4.16kV
- Power: 400 hp to 3500 hp
- Protection Degree : NEMA12, IP 41
- Operating interface (HMI) with graphic LCD
- Real time clock
- Main and bypass vacuum contactors
- Medium voltage fuses
- Power and control insulated by fiber optics
- Soft PLC Function
- License Free programming software SuperDrive and WLP
- Motor thermal protection - PT100 (accessory), 8 Channels
- Ground Fault Protection - standard
- 5 start modes
- Network communication boards (accessories): DeviceNet, Profibus-DP, Ethernet and Modbus, RS-232 or RS-485
- Flash Memory Module (accessory)

## Advantages:

- Flexible Torque control
- Overload capacity of 400% for 20 s. (2x / hour duty cycle)
- Management of Demand restrictions by the electric company
- Bumpless starting
- Motor protection
- Mechanical wear reduction
- Handles lower inrush current limitations of power supply



## Special Features:

- Clean Assembly with easy accessibility to all components
- Flexible Torque Control (FTC), by employing torque estimation using vector control principle and measurement of input voltage, output voltage and output current. This provides more accurate torque set-points, compared to estimating torque values only via current measurement.
- Active Protection offers complete motor protection in DOL START and RUN mode. This eliminates need for any expensive motor protection relays for backup protection.
- Optimized heat-sink design for balanced, compact cooling
- Power stacks are light weight, independent phase modules for ease of handling
- Ground Fault protection is standard
- Flexible Thermal Class Curve setup & selection that eliminates need for third party expensive protection relays
- Soft PLC function with license-free software
- Nickel plated bus bars and bus-stub connections provide corrosion resistance and ensure proper electrical connection
- Power connection terminals for TOP or BOTTOM motor connection
- Operator Interface (keypad, parameter setup) is identical to that of WEG's low voltage starter product line



## Certifications



# Characteristics

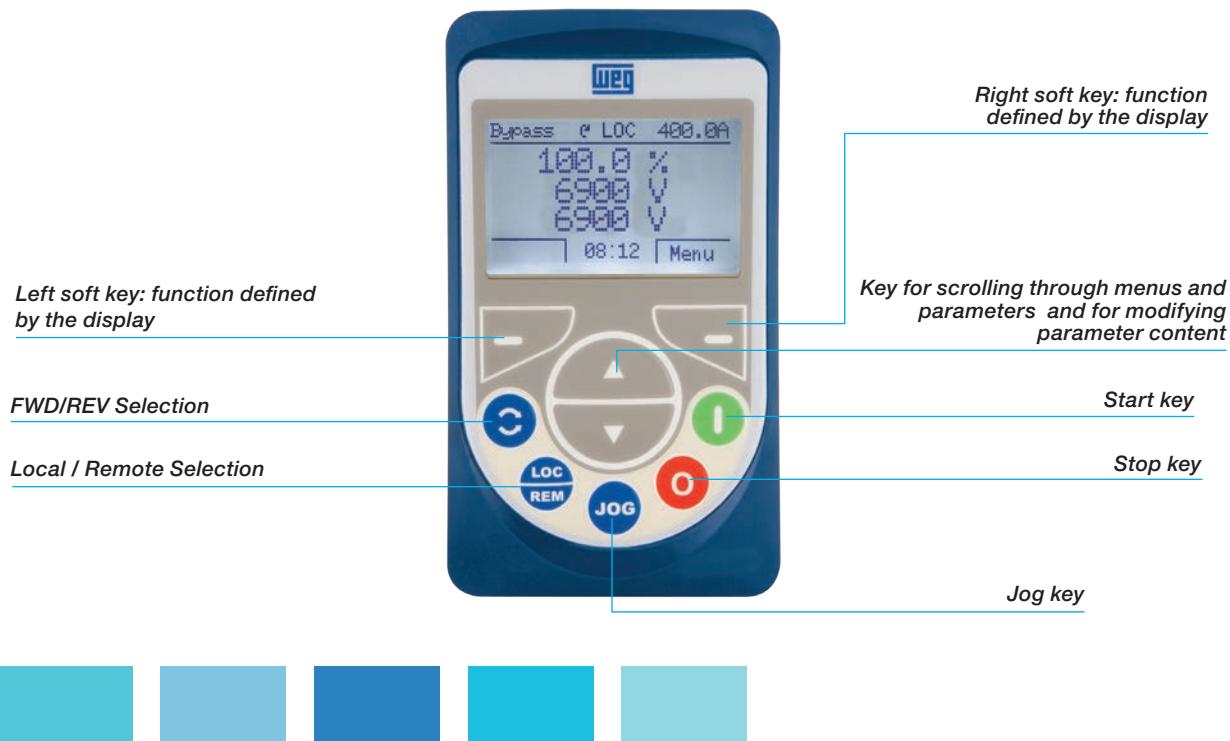
## Plug and play philosophy

The installation of the accessories is based on the plug-and-play philosophy, that is, they are automatically configured when connected to the SSW7000, ensuring a faster and easier process.



## Human Machine Interface – HMI

Navigation is similar to the logic used in cell phones, with the option of sequential access to the parameters or through the groups (Menu) by means of the function access keys on the display (soft keys).



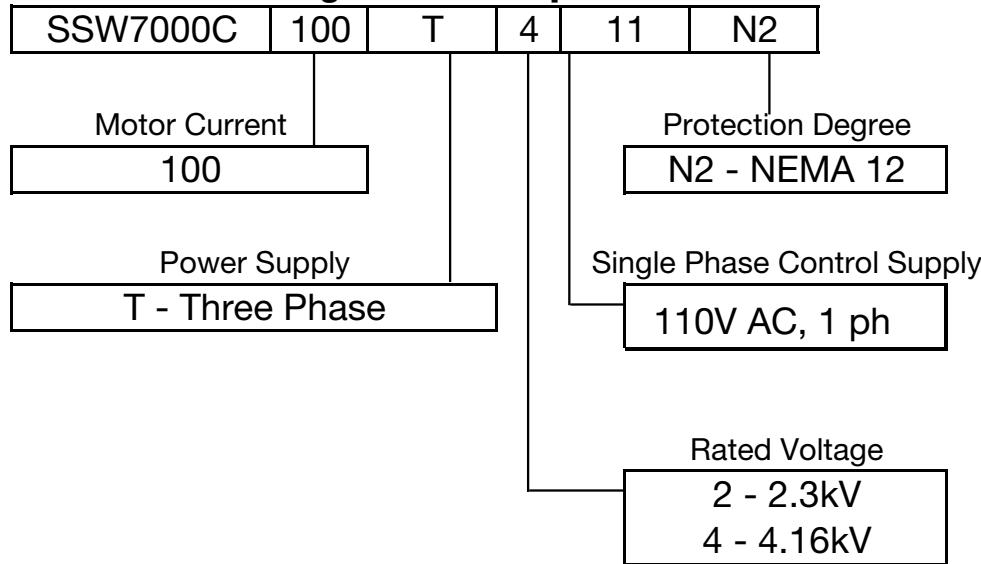
## Functions

- Powersupply overvoltage and under-voltage programmable protections and voltage unbalance between phases.
- Motor overload and under-load programmable protections.
- Motor thermal protections.
- Actuation of the programmable protections between fault or alarm
- Indication of;
  - motor current per phase, motor current as % of SSW rated current and as % of motor nominal current
  - power supply input voltages per phase
  - power supply frequency
  - motor torque
  - motor active and apparent power in kW and kVA
  - value of analog inputs
  - status of digital inputs and outputs
  - status of thermal class protection
  - temperature of SCRs
  - motor winding temperature using accessory module for measuring temperature
  - hours energized, hours in operation, hours of fan use;
  - ground fault current or voltage.
- Fault and alarm indication
- Fault history;
  - saving of 10 last faults;
  - date and time of fault occurrence
  - motor current during fault event
  - power supply voltage during fault event
  - SSW operating status during fault event.
- Start and full duty diagnosis;
  - maximum starting current
  - average starting current
  - real starting time
  - maximum current at full duty
  - Power supply maximum and minimum voltage with the motor activated
  - Power supply maximum and minimum frequency with the motor activated
  - maximum number of starts per hour
  - total number of starts
  - maximum temperature of the SCRs
  - maximum temperatures of the motor (with the use of optional IOE accessory).
- Flexible selection of Start and Stop Control Modes enabled via flowchart style Oriented Start Up
  - Voltage Ramp
  - Current Limit
  - Current Ramp
  - Pump Control
  - Flexible Torque Control (FTC)
- Flexible Torque Control with high performance is very useful in applications where starting torque is likely to vary
- Possibility to monitor measurements of power supply voltages via Serial or Fieldbus communication.
- Monitoring and programming in graphical mode using SuperDriveG2 Software
- Soft PLC allows implementation of PLC software or special operating versions of SSW soft-starter.

Enables smooth starting of motors up to rated speed, by eliminating impacts of inrush current on the power supply and by eliminating impacts of mechanical shocks on the load and the coupling. This helps in reducing maintenance of bearings, couplings, gear boxes, pulleys, belts and chains, in addition to protecting the motor.

## Product Code

### SSW7000C Catalog Number Sequence



## Rating

Power Supply	Model	Control Voltage	Motor Power		List Price	Multiplier
			HP*	kW		
2300V, 3PH, 60HZ	<b>SSW7000C100T211N2</b>	110V, 1Ph	400	300	<b>58,322</b>	E3
	<b>SSW7000C120T211N2</b>	110V, 1Ph	500	373	<b>58,684</b>	
	<b>SSW7000C150T211N2</b>	110V, 1Ph	600	450	<b>60,294</b>	
	<b>SSW7000C180T211N2</b>	110V, 1Ph	750	560	<b>61,749</b>	
	<b>SSW7000C210T211N2</b>	110 V, 1Ph	950	700	<b>62,570</b>	
	<b>SSW7000C240T211N2</b>	110V, 1Ph	1100	800	<b>63,851</b>	
	<b>SSW7000C300T211N2</b>	110 V, 1Ph	1350	1000	<b>69,396</b>	
	<b>SSW7000C370T211N2</b>	110V, 1Ph	1650	1200	<b>70,960</b>	
	<b>SSW7000C430T211N2</b>	110V, 1Ph	1900	1400	<b>73,789</b>	
4160V, 3PH, 60HZ	<b>SSW7000C100T411N2</b>	110V, 1Ph	750	560	<b>65,721</b>	E3
	<b>SSW7000C120T411N2</b>	110V, 1Ph	1000	750	<b>67,347</b>	
	<b>SSW7000C150T411N2</b>	110V, 1Ph	1250	925	<b>68,901</b>	
	<b>SSW7000C180T411N2</b>	110V, 1Ph	1500	1100	<b>70,728</b>	
	<b>SSW7000C210T411N2</b>	110 V, 1Ph	1750	1300	<b>71,560</b>	
	<b>SSW7000C240T411N2</b>	110V, 1Ph	2000	1500	<b>73,235</b>	
	<b>SSW7000C300T411N2</b>	110 V, 1Ph	2500	1850	<b>80,861</b>	
	<b>SSW7000C370T411N2</b>	110V, 1Ph	3000	2250	<b>82,080</b>	
	<b>SSW7000C430T411N2</b>	110V, 1Ph	3500	2600	<b>86,656</b>	

Note: (\*) The motor power ratings given above are based on WEG 4-pole motors, 4.16kV, 60-Hz, PF=0.87, Eff=0.97, SF=1. For applications with high overloads or special starting conditions, contact WEG's sales force. Current Rating of SSW7000C must be calculated based on the information on load type, load speed/torque curve and required number of starts per hour. All models are available in 220V, 1Ph control voltage.

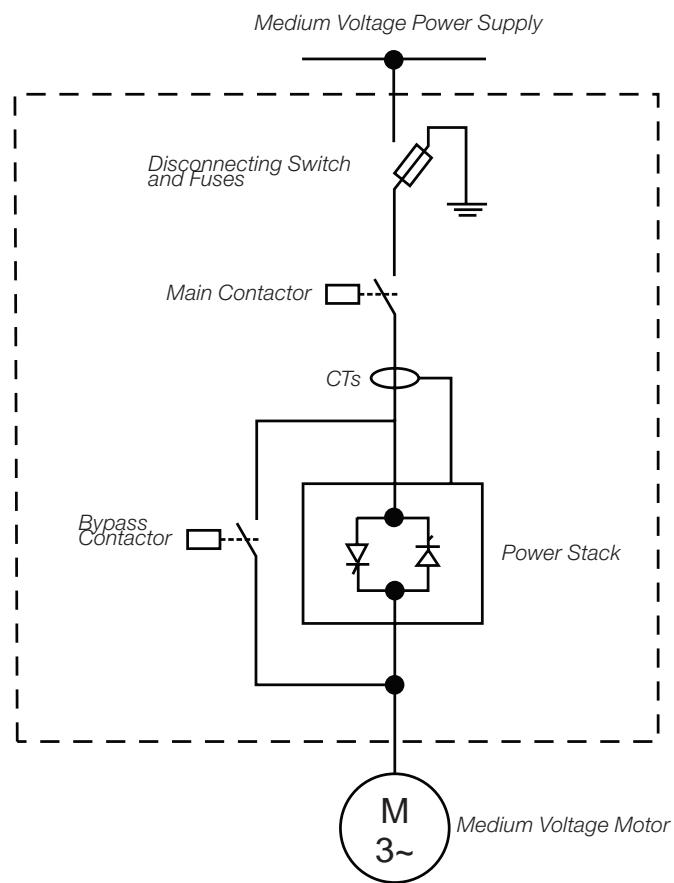
## Options

Reference	Description	Slot	List Price	Multiplier
<b>Control accessories to install in Slots 1, 2 and 3</b>				
<b>IOE-04</b>	Module for 8 temperature sensors PT100	1 and 2	\$2795	E3
<b>RS485-01</b>	RS-485 serial communication module (Modbus)	3	\$240	
<b>RS232-01</b>	RS-232C serial communication module (Modbus)		\$180	
<b>RS232-02</b>	RS-232C serial communication module with switch to program the microcontroller FLASH memory		\$180	
<b>Anybus-CA Accessories to install in Slots 4</b>				
<b>PROFDP-05</b>	ProfibusDP interface module	4	\$1100	E3
<b>DEVICENET-05</b>	Devicenet interface module		\$290	
<b>ETHERNET/IP-05</b>	EtherNet/IP interface module		\$360	
<b>RS232-05</b>	RS-232 interface module (passive) (Modbus)			
<b>RS485-05</b>	RS485 interface module (passive) (Modbus)			
<b>Flash Memory Module to install in Slot 5 - Included in Standard Models</b>				
<b>MMF-01</b>	FLASH memory module	5	\$71	V1
<b>Other Accessories</b>				
<b>HMI-01</b>	Man Machine Interface – MMI (sold separately) <sup>(1)</sup>	-	\$320	V1
<b>RHMIF-01</b>	Frame kit for MMI (protection rate IP56)		\$69	

## Dimensions



## Block Diagram



## Standards

ANSI/IEEE C37.2	Function/Protection Feature	Standard	Option
19	Reduced Voltage Starting and Bypass	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27	Undervoltage protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
37	Undercurrent protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
46	Phase-Balance Current protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
47	Phase Sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
48	Incomplete Sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>
50	Instantaneous Overcurrent trip	<input checked="" type="checkbox"/>	<input type="checkbox"/>
51	Overcurrent trip	<input checked="" type="checkbox"/>	<input type="checkbox"/>
55	Power Factor check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
59	Oversupply	<input checked="" type="checkbox"/>	<input type="checkbox"/>
81	Frequency check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
86	Lockout Relay - electronic	<input checked="" type="checkbox"/>	<input type="checkbox"/>
50N/51G	Ground fault detection instantaneous and fault-current	<input checked="" type="checkbox"/>	<input type="checkbox"/>
49 & 38	Winding Temperature and Bearing Temperature		



# Technical specifications

<b>Power Supply</b>	Power Voltage (R/1 L1, S/3L2, T/5L3)	Low voltage test: 500Vac: (-60% to +10%) or (200 to 550Vca) Models: 2300Vac: (-60% to +10%) or (920 to 2530Vca) 4160Vac: (-60% to +10%) or (2760 to 4576Vca)
	Frequency	(50 to 60Hz): (±10%) or (45 to 66Hz)
<b>Capacity</b>	Maximum number of starts	5 starts in 2 hours (One start every 30 minutes)
	Start cycle	AC-53a; 4.5-30:50-2
<b>Thyristors</b>	Medium voltage SCR per power arm	2300Vac: 2 thyristors per per power stack 4160Vac: 2 coupled pairs of thyristors
	Reverse voltage peak on the arm	2300Vac: 6.5kV 4160Vac: 13kV
<b>Protections</b>	Protection by Hardware	dv/dt filter Active overvoltage protection on the thyristors
<b>Control Supply</b>	Control voltage	As per code of the SSW7000: 110Vac: (-15% to 10%) or (93.5 to 121Vac) 230Vac: (-15% to 10%) or (195.6 to 253Vac)
	Frequency	(50 to 60Hz): (±10%) or (45 to 66Hz)
	Consumption	Continuous: 900 mA Peak: 9.5 A (during the closing of the vacuum contactors)
<b>Control</b>	Method	Voltage ramp. Current limitation. Pump control. Torque control. Current ramp.
<b>Inputs</b>	Digital	6 insulated digital inputs, 24 Vdc, programmable functions
	Analog	2 differential inputs insulated by differential amplifier; AI1 resolution: 12 bits, AI2 resolution: 11bits + signal, (0 to 10) V, (0 to 20) mA or (4 to 20) mA, Impedance: 400kQ for (0 to 10V), 500Q for (0 to 20mA) or (4 to 20mA), programmable functions
<b>Outputs</b>	Digital	3 NO/NC contact relays, 240 Vac, 1A, programmable functions.
	Analog	2 insulated outputs, (0 to 10V) RL ± 10kΩ (maximum load), 0 to 20mA or 4 to 20mA RL<500Ω, 11-bit resolution, programmable functions
<b>Man Machine Interface</b>	Standard	9 keys: Turn/Stop, Increase, Decrease, Rotation Direction, Jog, Local/Remote, right Soft key and left Soft key. Graphic LCD. It enables access to/change of all parameters.
<b>Safety</b>	Main protections	Under and Overcurrent and current unbalance. Under and Overvoltage and voltage unbalance. Under and Overtorque and Active overpower Phase loss. Reverse phase sequence Overtemperature in the power racks. Motor overload. Motor overttemperature (optional). External defect. Ground fault by voltage or current. Fault in the power racks. Fault in the power contactors. Faults in the control boards. Communication faults of MMI and between controls. Faults in the communication networks. Programming errors. For further details and more protections implemented, refer to the programming manual.
<b>Protection degree</b>	IP41	Standard panel
<b>PC connection for programming</b>	USB Connector	USB standard Rev. 2.0 (basic speed). USB plug type B "device". Interconnecting Cable: standard host/device shielded USB cable
<b>Environmental Conditions</b>	Temperature	-10° a 40°C
	Altitude	Up to 1000 m above sea level. For higher altitudes, contact our sales force.
	Humidity	Air relative humidity of 5 % to 90 % non-condensing.
<b>Standards</b>	NBR IEC 62271-200	High voltage controlgear and switchgear - part 200: High voltage controlgear and switchgear in metal enclosure for voltages over 1 kV up to and including 52 kV
	IEC 62271-1	High-voltage switchgear and controlgear - Part 1: Common specifications
	IEC 60060-1	High-voltage test techniques. Part 1: General definitions and test requirements
	CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment - electromagnetic disturbance characteristics - limits and methods of measurement
	IEC 61000-4-4	Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - section 4: electrical fast transient/burst immunity test. Basic EMB publication
	IEC 61000-4-18	Electromagnetic compatibility (EMC) - Part 4-18: testing and measurement techniques - damped oscillatory wave immunity test
	NBR IEC 60529	Protection rates for electric equipment enclosures (ip code)
	UL 347	Medium Voltage AC Contactors, Controllers and Control Centers
	UL 347B	Medium Voltage Motor Controllers

# WEG Soft Starter Selection Guide

## Medium Voltage Motors

HP	kW	RPM	NEMA Frame	Catalog Number	FL Amps		FL Eff (%)		Voltage (V)	MV Soft Starter Catalog Number for 2300V Operation	MV Soft Starter Catalog Number for 4160V Operation
					2300V	4160V	2300V	4160V			
150	110	3600	L447/9TS	<b>20036ET3XL449-W22MV-R</b>	36.1	20.5	93.20	93.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
150	110	1800	L447/9T	<b>20018ET3XL449-W22MV-R</b>	37.9	21.3	93.30	93.30	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
150	110	1200	L447/9T	<b>20012ET3XL449-W22MV-R</b>	40.4	23.3	93.60	93.60	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
200	150	3600	L447/9TS	<b>20036ET3XL449-W22MV</b>	47.1	26.4	94.10	94.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
200	150	1800	L447/9T	<b>20018ET3XL449-W22MV</b>	48.4	27.4	93.80	93.80	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
200	150	1200	L447/9T	<b>20012ET3XL449-W22MV</b>	51.6	29.3	93.60	93.60	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
250	185	3600	5009/10	<b>25036ET3X5009-W50MV</b>	55.5	30.7	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
250	185	1800	5009/10	<b>25018ET3X5009-W50MV</b>	58.2	32.2	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
250	185	1200	5009/10	<b>25012ET3X5009-W50MV</b>	61.9	34.6	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
300	220	3600	5009/10	<b>30036ET3X5009-W50MV</b>	65.3	36.1	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
300	220	1800	5009/10	<b>30018ET3X5009-W50MV</b>	68.4	38.3	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
300	220	1200	5009/10	<b>30012ET3X5009-W50MV</b>	73.6	41.2	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
350	260	3600	5009/10	<b>40036ET3X5009-W50MV-R</b>	78.1	43.2	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
350	260	1800	5009/10	<b>40018ET3X5009-W50MV-R</b>	83.8	47.5	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
350	260	1200	5009/10	<b>35012ET3X5009-W50MV</b>	87.0	48.7	95.00	95.00	2300/4160	SSW7000C100T211N2	SSW7000C100T411N2
400	300	3600	5009/10	<b>40036ET3X5009-W50MV</b>	89.1	49.2	95.00	95.00	2300/4160	SSW7000C120T211N2	SSW7000C100T411N2
400	300	1800	5009/10	<b>40018ET3X5009-W50MV</b>	94.4	52.8	95.00	95.00	2300/4160	SSW7000C120T211N2	SSW7000C100T411N2
400	300	1200	5809/10	<b>40012ET3X5809-W50MV</b>	100	56.2	95.00	95.00	2300/4160	SSW7000C120T211N2	SSW7000C100T411N2
450	330	3600	5809/10	<b>50036ET3X5809-W50MV-R</b>	98.9	54.7	95.20	95.20	2300/4160	SSW7000C120T211N2	SSW7000C100T411N2
450	330	1800	5009/10	<b>50018ET3X5009-W50MV-R</b>	105	58.8	95.00	95.00	2300/4160	SSW7000C120T211N2	SSW7000C100T411N2
450	330	1200	5809/10	<b>50012ET3X5809-W50MV-R</b>	113	64.3	95.00	95.00	2300/4160	SSW7000C150T211N2	SSW7000C100T411N2
500	370	3600	5809/10	<b>50036ET3X5809-W50MV</b>	109	60.5	95.40	95.40	2300/4160	SSW7000C150T211N2	SSW7000C100T411N2
500	370	1800	5009/10	<b>50018ET3X5009-W50MV</b>	116	65.1	95.00	95.00	2300/4160	SSW7000C150T211N2	SSW7000C100T411N2
500	370	1200	5809/10	<b>50012ET3X5809-W50MV</b>	124	70.2	95.00	95.00	2300/4160	SSW7000C150T211N2	SSW7000C100T411N2
550	400	3600	5809/10	<b>60036ET3X5809-W50MV-R</b>	121	68.5	95.40	95.40	2300/4160	SSW7000C150T211N2	SSW7000C100T411N2
550	400	1800	5809/10	<b>60018ET3X5809-W50MV-R</b>	125	70.1	95.40	95.40	2300/4160	SSW7000C150T211N2	SSW7000C100T411N2
550	400	1200	5809/10	<b>60012ET3X5809-W50MV-R</b>	137	77.9	95.00	95.00	2300/4160	SSW7000C180T211N2	SSW7000C100T411N2
600	440	3600	5809/10	<b>60036ET3X5809-W50MV</b>	132	74.4	95.40	95.40	2300/4160	SSW7000C180T211N2	SSW7000C100T411N2
600	440	1800	5809/10	<b>60018ET3X5809-W50MV</b>	136	76.2	95.40	95.40	2300/4160	SSW7000C180T211N2	SSW7000C100T411N2
600	440	1200	5809/10	<b>60012ET3X5809-W50MV</b>	147	83.5	95.00	95.00	2300/4160	SSW7000C180T211N2	SSW7000C100T411N2
650	480	1800	6806/07	<b>70018ET3X6806-W50MV-R</b>	152	85.2	95.40	95.40	2300/4160	SSW7000C180T211N2	SSW7000C100T411N2
650	480	1200	6808/09	<b>70012ET3X6808-W50MV-R</b>	149	83.1	95.40	95.40	2300/4160	SSW7000C180T211N2	SSW7000C100T411N2
700	515	1800	6806/07	<b>70018ET3X6806-W50MV</b>	161	90.3	95.40	95.40	2300/4160	SSW7000C210T211N2	SSW7000C120T411N2
700	515	1200	6808/09	<b>70012ET3X6808-W50MV</b>	158	88.1	95.40	95.40	2300/4160	SSW7000C210T211N2	SSW7000C120T411N2
750	560	1800	6808/09	<b>80018ET3X6808-W50MV-R</b>	180	101	95.40	95.40	2300/4160	SSW7000C240T211N2	SSW7000C120T411N2
800	590	1800	6808/09	<b>80018ET3X6808-W50MV</b>	187	105	95.40	95.40	2300/4160	SSW7000C240T211N2	SSW7000C120T411N2

1. Power Factor Capacitors or Surge Arrestors CAN NOT be connected to motor during starting

2. Starting via soft starter reduces motor starting torque

3. Number of Starts are 2 starts per hour (30 minute pause between starts). For higher number of starts/hour, please contact WEG.

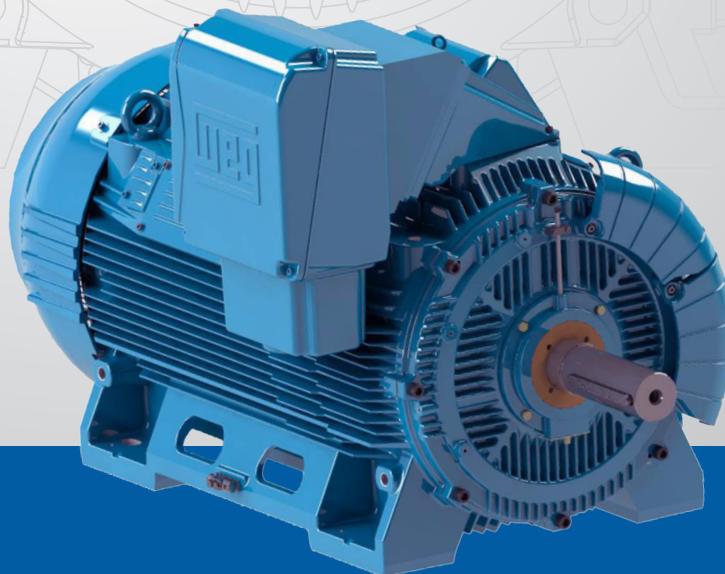
4. Motor cable length is limited to 330 feet. For longer cable length please contact WEG.

5. Temperature Measurement via RTD (8 channel) is available as Option

6. Soft-Starter typical delivery: Stock to 2 weeks.



# WEG HAS *MEDIUM VOLTAGE MOTORS AND SOFT STARTS* IN STOCK



LATEST  
TECHNOLOGY  
IN STOCK!

## SSW7000C

- Motor voltage: 2.3kV, 4.16kV
- Power: 400 hp to 3500 hp
- Protection Degree : NEMA12, IP 41
- Operating interface (HMI) with graphic LCD

## MEDIUM VOLTAGE MOTORS

- Meets most relevant features of IEEE841
- Certified Class I, Div 2
- Modifications available from Stock
- Inverter Rated without derate



ASK WHAT WEG  
CAN DO FOR YOU!



[www.weg.net/us](http://www.weg.net/us)

WEG Electric Corp. offers the following products, and more! With a full range of IEC/NEMA Global Certifications and a full line of products, WEG can supply the right solution for your needs anywhere in the world. To learn more about WEG's products and solutions or to locate a Distributor near you, please call 1-800-ASK-4WEG or visit [www.weg.net/us](http://www.weg.net/us).

#### **Low Voltage Motors,**

#### **Single and 3-Phase, 1/8 – 700HP**

General Purpose Motors  
Explosion Proof Motors  
Crusher Duty Motors  
IEC Tru-Metric Motors  
Pump Motors including JP/JM  
P-Base Pump Motors  
Oil Well Pumping Motors  
Pool & Spa Motors  
Brake Motors  
Compressor Duty Motors  
Farm Duty Motors  
Poultry Fan Motors  
Auger Drive Motors  
IEEE 841 Motors  
Stainless Steel Wash Down Motors  
Saw Arbor Motors  
Cooling Tower Motors  
Commercial HVAC Motors  
Pad Mounted Motors  
Vector Duty Motors

#### **Large Electric Motors**

Low Voltage 3-phase motors up to 2,500HP  
Motors up to 70,000HP and 13,200V  
Wound Rotor Systems (including starters) up to 70,000HP and 13,200V  
Synchronous Motors up to 70,000HP and 13,200V  
Explosion proof motors (Ex-d) up to 1,500kW and 11kV  
Ex-n, Ex-e, Ex-p motors

#### **Variable Frequency Drives**

Low Voltage 1/4 to 2500HP, 230V – 480V  
Medium Voltage 500-8000HP  
Multi-pump systems  
NEMA 4X  
Dynamic braking resistors  
Line and load reactors  
Plug and play technology  
Network communications: Profibus-DP, DeviceNet, Modbus-RTU  
PLC functions integrated  
Complete line of options and accessories

#### **Soft Starters**

3-1500HP  
Oriented start-up  
Built-in bypass contactor  
Universal source voltage (230-575V, 50/60Hz)  
Network communications: Profibus-DP, DeviceNet, Modbus-RTU  
Complete Line of options and accessories  
MV Soft-starter 3.3kV, 41.6kV: up to 3500HP, Withdrawable Power Stacks, & 8x PT100 Temperature monitoring

#### **Controls**

Mini – Contactors  
IEC Contactors  
Thermal Overload Relays  
Manual Motor Protectors  
Molded Case Circuit Breakers  
Smart Relays  
Enclosed Starters: combination & non-combination,  
Pushbuttons & Pilot Lights  
Timing & Motor Protection Relays  
Terminal Blocks

#### **Custom Panels**

Custom configured to your specification.  
NEMA 1, 12, 3R, 4 and 4X cabinets  
Quick delivery of preconfigured drives and soft starters  
UL 508 certified  
Low Voltage (230-460)  
Made in the U.S.A.

#### **Generators**

Brushless Synchronous Generators for diesel gen-sets up to 4,200kVA  
Hydro-generators up to 25,000kVA  
Turbo-generators up to 62,500kVA

#### **Power Transformers**

Built and engineered in North America  
Voltages < 500kV  
Ratings 5-300MVA  
Station class, oil filled, round core, copper windings  
Special configurations and designs available!  
Ask your WEG Sales Representative for details.  
Designed, built, and engineered to ANSI standards.

#### **Custom Solution Package Sales**

WEG can package any of its products for ease of sale! Enjoy a single point of contact for the entire package of products and assistance from quote through after-sales support. Ask your WEG Sales Representative for details.

Please contact your authorized distributor:

US.SSW7000C.6-17-2016



WEG Electric Corp.  
6655 Sugarloaf Parkway  
Duluth, GA 30097  
Phone: 1-800-ASK-4WEG  
[www.weg.net](http://www.weg.net)