

Siemens Motor Controls Catalog

Custom Panels • Soft Starters • Variable Frequency Drives





North American Electric's NAE Motor Control division was established in 2014. We have an engineering staff along with a UL508A panel shop where we manufacture a wide range of high quality in-stock and custom control panel options along with engineered custom application solutions. We partner with high quality brands to meet all UL standards and requirements allowing us to provide you with exceptional quality, a quick lead time, all at a competitive value.

From Safety Switches, Across the Line Starters, Part Wind Starters, Soft Starters to Variable Frequency Drives, we've got you covered.

Our sales and customer service staff are here to help you find the motor control that is right for your application needs and we offer 24 hour to 2-week shipping on most pre-engineered, in-stock motor controls.

Motor Controls Made Easy!

- Excellent Sales and Customer Service
- Wide Selection of Motor Controls
- In-Stock Inventory
- Fast Delivery
- Custom Modifications
- Technical Support
- Warranty and Repair





MOTOR CONTROLS



SOFT STARTERS - ECONOMY

3RW40 Series

General Purpose, Irrigation or Washdown Applications

- 7 ½ HP – 75 HP
- Siemens 3RW40 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



SOFT STARTERS - ECONOMY & STANDARD

3RW50 Series

General Purpose or Washdown Applications

- 100 HP – 400 HP
- Siemens 3RW50 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



SOFT STARTERS - ECONOMY & STANDARD

3RW52 Series

General Purpose or Washdown Applications

- 7 ½ HP – 400 HP
- Siemens 3RW52 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



SOFT STARTERS - ECONOMY & STANDARD

3RW55 Series

General Purpose or Washdown Applications

- 7 ½ HP – 1000 HP
- Siemens 3RW55 Series Chassis
- Normal Duty or Heavy Duty
- Circuit Breaker
- NEMA 3R, 4/12 or 4X Enclosure



VFD-ECONOMY

1 HP – 700 HP Variable Torque

1 HP – 500 HP Constant Torque

- Siemens G120 or G120X Series Drive
- Circuit Breaker or Fused
- NEMA 3R, 4, 4X or 12 Enclosure



VFD-STANDARD

1 HP – 700 HP Variable Torque

1 HP – 500 HP Constant Torque

- Siemens G120 or G120X Series Drive
- Circuit Breaker or Fused
- NEMA 3R, 4, 4X or 12 Enclosure
- 65kA SCCR Rating



VFD-WASHDOWN/STAINLESS

1 HP – 200 HP Variable Torque

½ HP – 150 HP Constant Torque

- Siemens G120 or G120X Series Drive
- Circuit Breaker or Fused
- NEMA 4X Enclosure



VFD-IRRIGATION

1 HP – 700 HP

- Siemens G120X Series Drive
- 24/7 Programmable & 0-10 Backspin Timer
- Variable Torque
- Circuit Breaker or Fused
- Lightning & Surge Protection



VFD-SUBMERSIBLE

½ HP – 200 HP

- Siemens G120X Series Drive
- 24/7 Programmable & 0-10 Backspin Timer
- Variable Torque
- Circuit Breaker or Fused
- NEMA 3R Enclosure
- Lightning & Surge Protection



VFD-POSITIVE DISPLACEMENT PUMP

1 HP – 500 HP

- Circuit Breaker
- NEMA 3R Enclosure
- Murphy Switch Interface
- Lightning & Surge Protection



VFD-BEAM PUMP

1 HP – 200 HP

- Siemens G120X Series Drive
- ReGen Avoidance
- Constant Torque
- Circuit Breaker
- NEMA 3R Enclosure

CUSTOM PANELS

Motor Controls Panel Customization Made Easy



NAE Motor Controls offers customers the ability to custom configure and order their control panel to meet their specific needs and have it shipped quickly. All NAE packaged panels are backed by our 2 year warranty.

SOFT STARTERS (RVSS) PANELS

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GENERAL PURPOSE REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

Siemens 3RW40 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10) - NEMA 3R26
 Heavy Starting (Class 20E) - NEMA 3R27
 Normal Starting (Class 10) - NEMA 4/1228
 Heavy Starting (Class 20E) - NEMA 4/1229

Siemens 3RW50 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - NEMA 3R30
 Heavy Starting (Class 20E) - NEMA 3R31
 Normal Starting (Class 10E) - NEMA 4/1232
 Heavy Starting (Class 20E) - NEMA 4/1233

Siemens 3RW50 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - NEMA 3R34
 Heavy Starting (Class 20E) - NEMA 3R35
 Normal Starting (Class 10E) - NEMA 4/1236
 Heavy Starting (Class 20E) - NEMA 4/1237

Siemens 3RW52 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 3R38
 Normal Starting (Class 10E) - 480V - NEMA 3R39
 Heavy Starting (Class 20E) - 240V - NEMA 3R40
 Heavy Starting (Class 20E) - 480V - NEMA 3R41

Siemens 3RW52 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4/1242
 Normal Starting (Class 10E) - 480V - NEMA 4/1243
 Heavy Starting (Class 20E) - 240V - NEMA 4/1244
 Heavy Starting (Class 20E) - 480V - NEMA 4/1245

Siemens 3RW52 Series - Standard Packages

(Door mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 3R46
 Normal Starting (Class 10E) - 480V - NEMA 3R47
 Heavy Starting (Class 20E) - 240V - NEMA 3R48
 Heavy Starting (Class 20E) - 480V - NEMA 3R49
 Normal Starting (Class 10E) - 240V - NEMA 4/1250
 Normal Starting (Class 10E) - 480V - NEMA 4/1251
 Heavy Starting (Class 20E) - 240V - NEMA 4/1252
 Heavy Starting (Class 20E) - 480V - NEMA 4/1253

Siemens 3RW55 Series - Economy Package

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 3R54
 Normal Starting (Class 10E) - 480V - NEMA 3R55
 Heavy Starting (Class 20E) - 240V - NEMA 3R56
 Heavy Starting (Class 20E) - 480V - NEMA 3R57
 Heavy Starting (Class 30E) - 240V - NEMA 3R58
 Heavy Starting (Class 30E) - 480V - NEMA 3R59
 Normal Starting (Class 10E) - 240V - NEMA 4/1260
 Normal Starting (Class 10E) - 480V - NEMA 4/1261
 Heavy Starting (Class 20E) - 240V - NEMA 4/1262
 Heavy Starting (Class 20E) - 480V - NEMA 4/1263
 Heavy Starting (Class 30E) - 480V - NEMA 4/1264
 Heavy Starting (Class 30E) - 240V - NEMA 4/1265



Siemens 3RW55 Series - Standard Packages

(Door mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 480V - NEMA 3R.....	66
Normal Starting (Class 10E) - 240V - NEMA 3R.....	67
Heavy Starting (Class 20E) - 240V - NEMA 3R.....	68
Heavy Starting (Class 20E) - 480V - NEMA 3R.....	69
Heavy Starting (Class 30E) - 240V - NEMA 3R.....	70
Heavy Starting (Class 30E) - 480V - NEMA 3R.....	71
Normal Starting (Class 10E) - 480V - NEMA 4/12.....	72
Normal Starting (Class 10E) - 240V - NEMA 4/12.....	73
Heavy Starting (Class 20E) - 240V - NEMA 4/12.....	74
Heavy Starting (Class 20E) - 480V - NEMA 4/12.....	75
Heavy Starting (Class 30E) - 240V - NEMA 4/12.....	76
Heavy Starting (Class 30E) - 480V - NEMA 4/12.....	77

SPECIAL PURPOSE IRRIGATION REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

Siemens 3RW40 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10) - NEMA 3R.....	78
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SPECIAL PURPOSE STAINLESS STEEL WASHDOWN DUTY REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

Siemens 3RW40 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10) - NEMA 4X.....	79
Heavy Starting (Class 20E) - NEMA 4X.....	80

Siemens 3RW50 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - NEMA 4X.....	81
Heavy Starting (Class 20E) - NEMA 4X.....	82

Siemens 3RW50 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - NEMA 4X.....	83
Heavy Starting (Class 20E) - NEMA 4X.....	84

Siemens 3RW52 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....	85
Normal Starting (Class 10E) - 480V - NEMA 4X.....	86
Heavy Starting (Class 20E) - 240V - NEMA 4X.....	87
Heavy Starting (Class 20E) - 480V - NEMA 4X.....	88

Siemens 3RW52 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....	89
Normal Starting (Class 10E) - 480V - NEMA 4X.....	90
Heavy Starting (Class 20E) - 240V - NEMA 4X.....	91
Heavy Starting (Class 20E) - 480V - NEMA 4X.....	92

Siemens 3RW55 Series - Economy Packages

(Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....	93
Normal Starting (Class 10E) - 480V - NEMA 4X.....	94
Heavy Starting (Class 20E) - 240V - NEMA 4X.....	95
Heavy Starting (Class 20E) - 480V - NEMA 4X.....	96
Heavy Starting (Class 30E) - 240V - NEMA 4X.....	97
Heavy Starting (Class 30E) - 480V - NEMA 4X.....	98

Siemens 3RW55 Series - Standard Packages

(Door Mounted HMI / Start Pushbutton / HOA / Illuminated Reset Pushbutton):

Normal Starting (Class 10E) - 240V - NEMA 4X.....	99
Normal Starting (Class 10E) - 480V - NEMA 4X.....	100
Heavy Starting (Class 20E) - 240V - NEMA 4X.....	101
Heavy Starting (Class 20E) - 480V - NEMA 4X.....	102



Heavy Starting (Class 30E) - 240V - NEMA 4X103
 Heavy Starting (Class 30E) - 480V - NEMA 4X104

CRUSHER DUTY AND SEVERE DUTY REDUCED VOLTAGE SOFT STARTER (RVSS) PANELS

SAF MS6 Series - Standard Packages

(Door Mounted Keypad / Start Pushbutton / HOA / Reset Pushbutton):

Heavy Starting (Class 30E) - 480V - NEMA 3R105
 Heavy Starting (Class 30E) - 480V - NEMA 4/12106

Reduced Voltage Soft Starter (RVSS) Panel Options 107-108

VARIABLE FREQUENCY DRIVE NEMA 1 ENCLOSED CHASSIS

VFD - Enclosed Chassis - 240V PROFINET - Siemens G120X Series - NEMA 1109
 VFD - Enclosed Chassis - 480V PROFINET - Siemens G120X Series - NEMA 1110
 VFD - Enclosed Chassis - 240V BACnet - Siemens G120X Series - NEMA 1111
 VFD - Enclosed Chassis - 480V BACnet - Siemens G120X Series - NEMA 1112

VARIABLE FREQUENCY DRIVE PANELS

Variable Frequency Drive Panel Model Identifier113
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GENERAL PURPOSE VARIABLE FREQUENCY DRIVE PANELS

Siemens - Standard Packages - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive115
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive116
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive117
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive118

Siemens - Industrial Packages - NEMA 12

(Door Mounted Keypad / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive119
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive121
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive123
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive125

Siemens - Standard Packages - NEMA 4

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - Siemens G120X Series Drive127
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive128
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive129
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive130

SPECIAL PURPOSE VARIABLE FREQUENCY DRIVE PANELS

IRRIGATION & SUBMERSIBLE VARIABLE FREQUENCY DRIVE PUMP PANELS

Siemens - Irrigation - Standard Package - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 480V - Variable Torque - G120X Series Drive131

Siemens - Submersible Standard Package - NEMA 3R

(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):

3-Phase - 240V - Variable Torque - G120X Series Drive132
 3-Phase - 480V - Variable Torque - G120X Series Drive133

OIL FIELD VFD PANELS / BEAM PUMP VARIABLE FREQUENCY DRIVE PANELS

Beam Pump VFD Panels w/ Regen Avoidance - Standard Package - NEMA 3R

(Door Mounted Keypad / Percentage Timer / HOA / Potentiometer):

3-Phase - 480V - Constant Torque - G120X Series Drive134



**Beam Pump VFD Panels w/ Regen Avoidance - w/ Two Contactor By-Pass - Standard Package - NEMA 3R
(Door Mounted Keypad / Percentage Timer / HOA / Potentiometer / By-Pass Selector):**
 3-Phase - 480V - Constant Torque - G120X Series Drive..... 135

POSITIVE DISPLACEMENT VARIABLE FREQUENCY DRIVE PUMP PANELS

**Positive Displacement Pump VFD Panel - Standard Package - NEMA 3R
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):**
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drives..... 136

**Positive Displacement Pump VFD Panel - Advanced Package - NEMA 3R
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer / Murphy Switch Interface)**
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drives..... 137

**Positive Displacement Pump VFD Panel - Deluxe Package - NEMA 3R
(HMI Touchscreen / Start Pushbutton / HOA / Potentiometer)**
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drives..... 138

WASHDOWN DUTY VARIABLE FREQUENCY DRIVE PANELS (NEMA 4X / STAINLESS STEEL ENCLOSURES)

**Washdown Duty VFD Panels - Standard Packages - NEMA 4X
(Door Mounted Keypad / Start Pushbutton / HOA / Potentiometer):**
 3-Phase - 480V - Variable Torque - Siemens G120X Series Drive 139
 3-Phase - 480V - Constant Torque - Siemens G120X Series Drive 140
 3-Phase - 480V - Variable Torque - Siemens G120 Series Drive 141
 3-Phase - 480V - Constant Torque - Siemens G120 Series Drive 142
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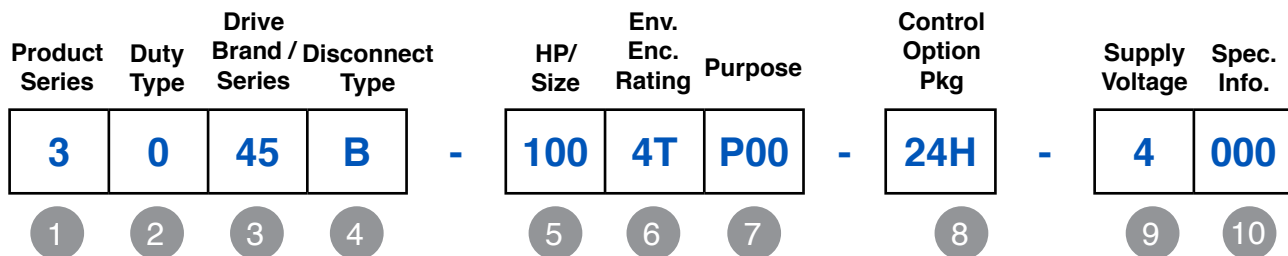
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Model Number Identifier

RVSS (Soft Starter) Panels - 3000 Series



Product Series

1. 3 - RVSS

Duty Type

Siemens Panels

- 2. 0 - Normal Starting (Class 10 & Class 10E)
 - 1 - Heavy Starting (Class 20E)
 - 2 - Heavy Starting (Class 30E)

SAF Panels

- 1 - Heavy Starting

Drive Brand / Series

- 3. 20- SAF MS6
 - 41 - Siemens 3RW40
 - 45 - Siemens 3RW50
 - 43 - Siemens 3RW52
 - 44 - Siemens 3RW55

Disconnect Type

- 4. B - Breaker
- F - Fused
- N - None

HP / Size

- 5. 005 - 5
- 7P5 - 7.5
- 010 - 10
- 015 - 15
- 020 - 20
- 030 - 30
- ...
- ...
- 700 - 700

Env. Enc. Rating

- 6. N1—NEMA 1
- 3R—NEMA 3R
- FR—NEMA 3R Flanged
- T2—NEMA 3R Tunnel
- T3—NEMA 3R Flanged Tun
- N4—NEMA 4
- 4F—NEMA 4X Fiberglass
- 4T—NEMA 4/12
- FT—NEMA 4/12 Flanged
- 4X—NEMA 4X 304 SS
- FX—NEMA 4X 304 SS Flanged
- 4S—NEMA 4X 316 SS
- FS—NEMA 4X 316 SS Flanged
- 4P—NEMA 4X Polycarbon
- 4F—NEMA 4 Flanged
- 42—NEMA 12
- F2—NEMA 12 Flanged

Purpose

- 7. P00 - General

Control Option Pkg

- 8. E.g. 13A
 - Hand/Off /Auto (HOA)
 - Start pushbutton
 - Overload Reset Button
 Other options available - Please refer to pp. 107-108, or contact us at 800-884-0404 for assistance.

Supply Voltage









- 9. 1 - 208/3PH
- 2 - 240/3PH
- 4 - 480/3PH
- 5 - 575/3PH
- 6 - 690/3PH

Spec. Info.

- 10. 000—None
- SPC—Special Instructions
- 065—High Visibility Status Light
- 030—Elapsed Time Meter
- ☎—Multiple Options Available (pp. 107-108)



Soft Starter Application Ranges

High Performance		3RW55 7.5 to 1000 HP	$(\sqrt{3})$ to 1700 HP			3-phase control
		3RW55 Failsafe 7.5 to 400 HP				
General Performance		3RW52 7.5 to 400 HP	$(\sqrt{3})$ to 750 HP			3-phase control
Basic Performance		3RW40 7.5 to 75 HP	3RW50 100 to 400 HP			2-phase control
		3RW30 1.5 to 75 HP				
Typical applications for SIRIUS 3RW Softstarters						
		Pumping	Ventilating	Compressing	Conveying	Processing

Basic Performance

SIRIUS 3RW30/40/50 soft starters are one of the world's most compact two-phase control soft starters in the power range from 1.5 HP (at 400 V) to 400 HP (at 400 V) thanks to their innovative control principle. Their compact design helps you save space in the control panel configurations. SIRIUS 3RW30/40/50 soft starters are the ideal solution for simple applications of all kinds.

General Performance

SIRIUS 3RW52 soft starters are an ideal solution for standard applications. With 3-phase motor control, they cover the power range from 7.5 HP (at 400 V) to 400 HP in standard circuits or up to 750 HP (at 400 V) in inside-delta circuits. With optional HMI modules, communication options (PROFINET, PROFIBUS, Modbus RTU/TCP, EtherNet IP) and the choice between an analog output or thermistor motor protection, they offer maximum flexibility.

High Performance

Equipped with maximum functionality, the SIRIUS 3RW55 all-rounder masters even difficult starting and stopping operations. Thanks to its innovative torque control, it can be used for drives in a performance class up to 1000 HP (at 400 V) in in-line circuits or 1,700 HP (at 400 V) in inside-delta circuits. The optional communication module for PROFINET High Feature with 2 ports, which facilitates media redundancy in a ring topology, means even greater reliability for the user. The functionality designed for easy handling ensures maximum operating convenience.



Soft Starter Applications

	High Performance	General Performance	Basic Performance			
Normal Starting (Class 10E)						
Pumps	•	•	•	•	•	•
Pumps with special pump stop (to prevent water hammer)	•	•	◉	◉	•	•
Heat pumps	•	•	•	•	•	•
Hydraulic pumps	•	•	•	•	•	◉
Presses	•	•	•	•	•	◉



Soft Starter Applications

	High Performance	General Performance	Basic Performance			
Normal Starting (Class 10E) Cont.						
Conveyor belts	•	•	•	•	•	⊙
Roller conveyors	•	•	•	•	•	⊙
Screw conveyors	•	•	•	•	•	⊙
Escalators	•	•	•	•	•	
Piston compressors	•	•	•	•	•	
Screw compressors	•	•	•	•	•	
Small fans ¹	•	•	•	•	•	
Centrifugal blowers	•	•	•	•	•	
Bow thrusters	•	•	•	•	•	
Heavy Starting (CLASS 20)						
Stirrers	•	•	⊙	⊙	⊙	
Extruders	•	•	⊙	⊙	⊙	
Lathes	•	•	⊙	⊙	⊙	
Milling machines	•	•	⊙	⊙	⊙	
Heavy Starting (CLASS 30)						
Large fans ²	•	•				
Circular saws/bandsaws	•	•				
Centrifuges	•	•				
Mills	•	•				
Crushers	•	•				

* This product is a custom order. Contact your customer service representative for more information.

- Recommended soft starter
- ⊙ Potential soft starter

- 1) The mass inertia of the fan is <10 times the mass inertia of the motor.
- 2) The mass inertia of the fan is >10 times the mass inertia of the motor.



Soft Starter Features

	High Performance	General Performance	Basic Performance					
General Technical Specifications								
Operational current at 40 °C	A	13 ... 2 217	13 ... 987	13 ... 987	143 ... 570	12.5 ... 106	3 ... 106	
Operational voltage	V	200 ... 690 ¹	200 ... 480	200 ... 600	200 ... 600	200 ... 600	200 ... 480	
Operating power for three-phase motors								
At 400 V, at 40 °C	- Standard circuit	kW	5.5 ... 710	5.5 ... 315	5 ... 315	5.5 ... 315	5.5 ... 55	1 ... 55
	- Inside-delta circuit	kW	11 ... 1 200	11 ... 560	11 ... 560	--	--	--
At 460/480 V at 50 °C	- Standard circuit	hp	7.5 ... 1 000	7.5 ... 400	7.5 ... 400	100 ... 400	7.5 ... 75	1.5 ... 75
	- Inside-delta circuit	hp	10 ... 1 700	10 ... 750	10 ... 750	--	--	--
Ambient temperature ²⁾	°C	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	
Soft starting/ramp-down		•	•	•	•	•	• ³	
Voltage ramp		•	•	•	•	•	•	
Starting voltage	%	20 ... 100	20 ... 100	30 ... 100	30 ... 100	40 ... 100	40 ... 100	



Soft Starter Features

	High Performance	General Performance	Basic Performance				
General Technical Specifications							
Ramp-up and ramp-down time	s	0 ... 360	0 ... 360	0 ... 20	0 ... 20	0 ... 20	0 ... 20 ³⁾
Pump stop (torque control) ⁴⁾		●	●	--	--	--	--
• Starting torque	%	10 ... 100	10 ... 100	--	--	--	--
• Torque limit	%	20 ... 200	20 ... 200	--	--	--	--
Soft Torque (torque limit)		--	--	●	●	--	--
Integral bypass contact system		●	●	●	●	●	●
Intrinsic device protection		●	●	●	●	●	--
Motor overload protection		● ⁵⁾	● ⁵⁾	●	● ⁵⁾	● ⁵⁾	--
Thermistor motor protection evaluation		●	●	● ⁶⁾	● ⁶⁾	● ⁶⁾	--
Analog output		●	●	● ⁶⁾	● ⁶⁾	--	--
Remote RESET		●	●	●	●	●	--
Adjustable current limiting		●	●	●	●	●	--
Inside-delta circuit ¹⁾		●	●	●	--	--	--
Breakaway pulse		●	●	--	--	--	--
Automatic parameterization		●	●	--	--	--	--
Pump cleaning		●	●	--	--	--	--
Condition monitoring		●	●	--	--	--	--
User account administration ⁸⁾		●	●	--	--	--	--
Creep speed in both directions of rotation		●	--	--	--	--	--
Reversing duty		●	●	--	--	--	--
Reversing DC braking ⁴⁾⁷⁾		●	--	--	--	--	--
DC braking ⁴⁾⁷⁾		●	--	--	--	--	--
Dynamic DC braking ⁴⁾⁷⁾		●	--	--	--	--	--
Motor heating		●	--	--	--	--	--
Communication function ⁹⁾		●	●	●	●	--	--
HMI module installable in the cabinet door		●	●	● ⁹⁾	● ⁹⁾	--	--
Operating measured value display		●	●	● ⁹⁾	● ⁹⁾	--	--
Logbooks		●	●	● ⁹⁾	● ⁹⁾	--	--
Statistical data and slave pointer function		●	●	● ⁹⁾	● ⁹⁾	--	--
Trace function ⁹⁾		●	●	--	--	--	--
Programmable control inputs and outputs		●	●	--	--	--	--
Number of parameter sets		3	3	1	1	1	1
Parameterizable via software ⁹⁾		●	●	--	--	--	--
Number of controlled phases		3	3	3	2	2	2
Heavy starting CLASS 30 ⁴⁾		●	●	--	--	--	--

* This product is a custom order. Contact your customer service representative for more information.

Function Available:

-- Function not available

- 1) Inside-delta circuit only up to operational voltage 600 V.
- 2) Note derating above 40 °C.
- 3) Only soft starting available for 3RW30.
- 4) Calculate soft starter and motor with size allowance where required.

- 5) When using the motor overload protection according to ATEX/IECEx, an upstream contactor may be required.
- 6) Special device versions only.
- 7) Not possible in inside-delta circuit.
- 8) With software Soft Starter ES (TIA Portal).
- 9) Only in conjunction with special accessories.



Soft Starter: Basic Performance
Series: 3RW40



3RW40

Starting Class Details

Basic Performance

Type		3RW4024	3RW4026	3RW4027	3RW4028
Power Electronics					
Load rating with rated operational current I_e					
IEC + UL/CSA, individual mounting at 40/50/60°C, AC-53a					
	A	12.5/11/10	25.3/23/21	32.2/29/26	38/34/31
Smallest adjustable rated motor current I_M					
For the motor overload protection					
	A	5	10	17	23
Power loss					
• In operation after completed starting with uninterrupted rated operational current (40 °C) approx.					
	W	2	8	13	19
• During starting with current limiting set to 300% I_M (40 °C)					
	W	68	188	220	256
Normal starting (CLASS 10)					
Rated motor current I_{M^2} : at 40/50 °C					
- Start-up time 3 s	A	12.5/11	25/23	32/29	38/34
- Starts per hour ³⁾	1/h	50/50	23/23	23/23	19/19
Rated motor current I_{M^2} : at 40/50 °C					
- Start-up time 4 s	A	12.5/11	25/23	32/29	38/34
- Starts per hour ³⁾	1/h	36/36	15/15	16/16	12/12
Heavy starting (CLASS 20)					
Rated motor current I_{M^2} : at 40/50 °C					
- Start-up time 6 s	A	10/9	21/19	27/24	31/28
- Starts per hour ³⁾	1/h	47/47	21/21	20/20	18/18
Rated motor current I_{M^2} : at 40/50 °C					
- Start-up time 8 s	A	10/9	21/19	27/24	31/28
- Starts per hour ³⁾	1/h	34/34	15/15	14/14	13/13

1) Measurement at 60 °C according to UL/CSA not required.
 2) Current limiting on soft starter set to 300% I_M , $T_u = 40/50^\circ\text{C}$.
 Maximum adjustable rated motor current I_M dependent on CLASS setting.

3) For intermittent duty S4 with ON period = 30%, $T_r = 40/50^\circ\text{C}$, stand-alone installation vertical. The quoted switching frequencies do not apply for automatic mode.

Soft Starter: Basic Performance

Series: 3RW40



3RW40

Starting Class Details

Type	Basic Performance					
	3RW4036	3RW4037	3RW4038	3RW4046	3RW4047	
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA ¹⁾ , individual mounting at 40/50/60°C, AC-53a	A	45/42/39	63/58/53	72/62.1/60	80/73/66	106/98/90
Smallest adjustable rated motor current I_M For the motor overload protection	A	23	26	35	43	46
Power loss						
• In operation after completed starting with uninterrupted rated operational current (40 °C) approx.	W	6	12	15	12	21
• During starting with 300% I_M (40 °C)	W	316	444	500	576	768
Normal starting (CLASS 10)						
Rated motor current $I_M^{2)}$						
- Start-up time 3 s	A	45/42	63/58	72/62	80/73	106/98
- Starts per hour ³⁾	1/h	38/38	23/23	22/22	22/22	15/15
Rated motor current $I_M^{2)4)}$						
- Start-up time 4 s	A	45/42	63/58	72/62	80/73	106/98
- Starts per hour ³⁾	1/h	26/26	15/15	15/15	15/15	10/10
Normal starting (CLASS 20)						
Rated motor current $I_M^{2)}$						
- Start-up time 6 s	A	38/34	46/42	50/46	64/58	77/70
- Starts per hour ³⁾	1/h	30/30	31/31	34/34	23/23	23/23
Rated motor current $I_M^{2)4)}$						
- Start-up time 8 s	A	38/34	46/42	50/46	64/58	77/70
- Starts per hour ³⁾	1/h	21/21	22/22	24/24	16/16	16/16

1) Measurement at 60 °C according to UL/CSA not required.

2) Current limiting on soft starter set to 300% I_M , $T_u = 40/50^\circ\text{C}$. Maximum adjustable rated motor current I_M dependent on CLASS setting.3) For intermittent duty S4 with ON period = 30%, $T_u = 40/50^\circ\text{C}$, stand-alone installation vertical. The quoted switching frequencies do not apply for automatic mode.4) Maximum adjustable rated motor current I_M , dependent on CLASS setting.

Soft Starter: Basic Performance

Series: 3RW40



3RW40

Starting Class Details

Type	Basic Performance						
	3RW4055	3RW4056	3RW4073	3RW4074	3RW4075	3RW4076	
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA ¹⁾ , individual mounting at 40/50/60°C, AC-53a	A	134/117/100	162/145/125	230/205/180	280/248/215	356/315/280	432/385/335
Smallest adjustable rated motor current I_M For the motor overload protection	A	59	87	80	130	131	207
Power loss							
• In operation after completed starting with uninterrupted rated operational current (40 °C) approx.	W	60	75	75	90	125	165
• During starting with 300% I_M (40 °C)	W	1043	1355	2448	3257	3277	3600
Normal starting (CLASS 10)							
Rated motor current I_{M^2}							
- Start-up time 10 s	A	134/117/100	162/145/125	230/205/180	280/248/215	356/315/280	432/385/335
- Starts per hour ³⁾	1/h	20	8	20	20	16	17
Rated motor current $I_{M^{2(4)}}$							
- Start-up time 20 s	A	134/117/100	162/145/125	230/205/180	280/248/215	356/315/280	432/385/335
- Starts per hour ³⁾	1/h	7	1.4	9	8	5	5
Normal starting (CLASS 20)							
Rated motor current I_{M^2}							
- Start-up time 20 s	A	124/112/100	142/132/120	200/185/168	230/205/180	311/280/250	372/340/305
- Starts per hour ³⁾	1/h	12	9	10	10	10	10
Rated motor current $I_{M^{2(4)}}$							
- Start-up time 40 s	A	124/112/100	142/132/120	200/185/168	230/205/180	311/280/250	372/340/305
- Starts per hour ³⁾	1/h	3	3	1	5	1	1

1) Measurement at 60 °C according to UL/CSA not required.

2) Current limiting on soft starter set to 300% I_M , $T_u = 40/50^\circ\text{C}$. Maximum adjustable rated motor current I_M dependent on CLASS setting.

3) For intermittent duty S4 with ON period = 30%, $T_a = 40/50^\circ\text{C}$, stand-alone installation vertical. The quoted switching frequencies do not apply for automatic mode.

4) Maximum adjustable rated motor current I_M , dependent on CLASS setting.

Soft Starter: Basic Performance

Series: 3RW50



3RW50

Series
3RW50Class
10ESeries
3RW50Class
20ESOFT
STARTERVARIABLE FREQUENCY
DRIVE

APPENDIX

Starting Class Details

Type	Basic Performance		
		3RW5055	3RW5056
Rated operational current I_e A	A	143	171
Power Electronics			
Load rating with rated operational current I_e			
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	128	153
Permissible rated motor current and starts/h			
Normal starting (CLASS 10A)			
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	128	153
ON period = 70%; motor protection activated			
• 300% I_M - Start-up time 5 s - Start-up time 10 s	1/h	43	43
	1/h	18	18
• 350% I_M - Start-up time 5 s - Start-up time 10 s	1/h	28	28
	1/h	10	9
Normal starting (CLASS 10E)			
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	128	153
ON period = 70%; motor protection activated			
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	21	21
	1/h	8	8
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	12	9
	1/h	4	-
Heavy starting (CLASS 20E)			
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	98	123
ON period = 70%; motor protection activated			
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10
	1/h	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7
	1/h	2.5	2.5
Adjustable rated motor current I_M			
• Minimum/maximum	A	68/143	81/117

Soft Starter: Basic Performance
Series: 3RW50



3RW50

Series
3RW50

Class
10E

Series
3RW50

Class
20E

Starting Class Details

Basic Performance

Type		3RW5072	3RW5073	3RW5074	3RW5075	3RW5076	3RW5077
Rated operational current I_e A	A	210	250	315	370	470	570
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA, individual mounting at 50°C, A AC-53a		186	220	279	328	416	504
Permissible rated motor current and starts/h							
Normal starting (CLASS 10A)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	43	28
	1/h	18	18	18	18	18	11
• 350% I_M - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	28	16
	1/h	8	10	10	10	10	4
Normal starting (CLASS 10E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	20	21
	1/h	8	8	8	8	7	8
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	8	13	12	13	12	13
	1/h	--	4	4	4	2	4
Heavy starting (CLASS 20E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	146	180	195	230	254	262
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10	10
	1/h	4	4	4	4	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5	2.5

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Soft Starter: General Performance

Series: 3RW52



3RW52

Series
3RW52Class
20E

Starting Class Details

Type	General Performance					
		3RW5213	3RW5214	3RW5215	3RW5216	3RW5217
Rated operational current $I_e A$	A	13	18	25	32	38
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	11.5	15.9	22.3	28.4	33.5
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM						
- Start-up time 5 s	1/h	43	43	43	43	43
- Start-up time 10 s	1/h	18	18	18	18	18
• 350% IM						
- Start-up time 5 s	1/h	28	28	28	28	28
- Start-up time 10 s	1/h	10	10	10	10	10
Normal starting (CLASS 10E)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% IM						
- Start-up time 20 s	1/h	21	21	21	21	21
- Start-up time 40 s	1/h	8	8	8	8	8
• 350% IM						
- Start-up time 20 s	1/h	13	13	13	13	13
- Start-up time 40 s	1/h	4	4	4	4	4
Heavy starting (CLASS 20E)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	27.2	30.5
ON period = 70%; motor protection activated						
• 300% I_M						
- Start-up time 20 s	1/h	10	10	10	10	10
- Start-up time 40 s	1/h	4	4	4	4	4
• 350% I_M						
- Start-up time 20 s	1/h	7	7	7	7	7
- Start-up time 40 s	1/h	2.5	2.5	2.5	2.5	2.5
Adjustable rated motor current IM						
• Minimum/maximum	A	5.5/13	7.5/18	11.5/25	14/32	15.5/38
• Minimum/maximum in inside-delta circuits	A	9.5/22.5	13/31.2	19.9/43.3	24.2/55.4	26.8/65.8

Series
3RW52Class
20E

Soft Starter: General Performance

Series: 3RW52



3RW52

Starting Class Details

General
Performance

Type		3RW5224	3RW5225	3RW5226	3RW5227
Rated operational current I_e A	A	47	63	77	93
Power Electronics					
Load rating with rated operational current I_e					
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	41.6	55.5	68	82.5
Permissible rated motor current and starts/h					
Normal starting (CLASS 10A)					
Rated motor current / M, Tu = 50 °C	A	41.6	55.5	68	82.5
ON period = 70%; motor protection activated					
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43
	1/h	18	18	18	18
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28
	1/h	10	10	10	10
Normal starting (CLASS 10E)					
Rated motor current / M, Tu = 50 °C	A	41.6	55.5	68	82.5
ON period = 70%; motor protection activated					
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21
	1/h	8	8	8	8
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13	13
	1/h	4	4	4	4
Heavy starting (CLASS 20E)					
Rated motor current / M, Tu = 50 °C	A	41.6	55.5	68	82.5
ON period = 70%; motor protection activated					
• 300% / M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10
	1/h	4	3	4	4
• 350% / M - Start-up time 20 s - Start-up time 40 s	1/h	7	4	7	7
	1/h	2	0	2.5	2.5
Adjustable rated motor current IM					
• Minimum/maximum	A	20/47	25.5/63	32/77	40.5/93
• Minimum/maximum in inside-delta circuits	A	34.6/81.4	44.2/109	55.4/133	70.1/161

Soft Starter: General Performance
Series: 3RW52



3RW52

Series
3RW52

Class
20E

Starting Class Details

Type	General Performance			
		3RW5234	3RW5235	3RW5236
Rated operational current $I_e A$	A	113	143	171
Power Electronics				
Load rating with rated operational current I_e				
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	101	128	153
Permissible rated motor current and starts/h				
Normal starting (CLASS 10A)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	128	153
ON period = 70%; motor protection activated				
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43
	1/h	18	18	18
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	27	20
	1/h	10	8	4
Normal starting (CLASS 10E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	127	146
ON period = 70%; motor protection activated				
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21
	1/h	8	8	8
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	12	12
	1/h	4	1	1
Heavy starting (CLASS 20E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	97	103	117
ON period = 70%; motor protection activated				
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10
	1/h	4	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7
	1/h	2.5	2.5	2.5
Adjustable rated motor current IM				
• Minimum/maximum	A	53/113	68/143	81/171
• Minimum/maximum in inside-delta circuits	A	91.8/196	118/248	140/296

Soft Starter: General Performance
Series: 3RW52



3RW52

Series
3RW52
Class
20E

Starting Class Details

Type	General Performance						
	3RW5243	3RW5244	3RW5245	3RW5246	3RW5247	3RW5248	
Rated operational current I_e A	A	210	250	315	370	470	570
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	186	220	279	328	416	504
Permissible rated motor current and starts/h							
Normal starting (CLASS 10A)							
Rated motor current / M, Tu = 50 °C	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	30	20
	1/h	18	18	14	18	11	6
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	16	28	17	9
	1/h	5	10	4	10	5	1
Normal starting (CLASS 10E)							
Rated motor current / M, Tu = 50 °C	A	184	220	255	328	362	416
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	21	18
	1/h	8	8	8	8	8	7
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	12	13	12	13	13	11
	1/h	1	4	3	4	4	2
Heavy starting (CLASS 20E)							
Rated motor current / M, Tu = 50 °C	A	146	180	171	230	236	262
ON period = 70%; motor protection activated							
• 300% / M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10	10
	1/h	4	4	4	4	4	4
• 350% / M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5	2.5
Adjustable rated motor current IM							
• Minimum/maximum	A	90/210	100/250	135/315	160/370	200/470	240/570
• Minimum/maximum in inside-delta circuits	A	156/364	173/433	234/546	277/641	346/814	416/987

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Soft Starter: High Performance

Series: 3RW55



3RW55

Series
3RW55Class
20ESeries
3RW55Class
30E

Starting Class Details

High
Performance

Type		3RW5513	3RW5514	3RW5515	3RW5516	3RW5517
Rated operational current $I_e A$	A	13	18	25	32	38
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	11.5	15.9	22.3	28.4	33.5
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% I_M						
- Start-up time 5 s	1/h	43	43	43	43	43
- Start-up time 10 s	1/h	18	18	18	18	18
• 350% I_M						
- Start-up time 5 s	1/h	28	28	28	28	28
- Start-up time 10 s	1/h	10	10	10	10	10
Normal starting (CLASS 10E)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% I_M						
- Start-up time 20 s	1/h	21	21	21	21	21
- Start-up time 40 s	1/h	8	8	8	8	8
• 350% I_M						
- Start-up time 20 s	1/h	13	13	13	13	13
- Start-up time 40 s	1/h	4	4	4	4	4
Heavy starting (CLASS 20E)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	27.2	30.5
ON period = 70%; motor protection activated						
• 300% I_M						
- Start-up time 20 s	1/h	10	10	10	10	10
- Start-up time 40 s	1/h	4	4	4	4	4
• 350% I_M						
- Start-up time 20 s	1/h	7	7	7	7	7
- Start-up time 40 s	1/h	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)						
Rated motor current I_M , $T_u = 50^\circ C$	A	11.5	15.9	22.3	28.4	33.5
ON period = 70%; motor protection activated						
• 300% I_M						
- Start-up time 20 s	1/h	21	21	21	21	21
- Start-up time 40 s	1/h	8	8	8	8	8
• 350% I_M						
- Start-up time 20 s	1/h	7	7	7	7	7
- Start-up time 40 s	1/h	2.5	2.5	2.5	2.5	2.5
Adjustable rated motor current I_M						
• Minimum/maximum	A	2.5/13	3.5/18	25-May	6.5/32	7.5/38
• Minimum/maximum in inside-delta circuits	A	4.3/22.5	6.1/31.1	8.7/43.3	11.3/55.4	13/65.8

SOFT
STARTERVARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter: High Performance
Series: 3RW55



3RW55

Series
3RW55

Class
20E

Series
3RW55

Class
30E

Starting Class Details

High Performance

Type		3RW5521	3RW5524	3RW5525	3RW5526	3RW5527
Rated operational current $I_e A$	A	25	47	63	77	93
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	22.3	41.6	55.5	68	82.5
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current $I M$, $T_u = 50\text{ °C}$	A	22.3	41.6	55.5	68	82.5
ON period = 70%; motor protection activated						
• 300% IM						
- Start-up time 5 s	1/h	43	43	43	43	43
- Start-up time 10 s	1/h	18	18	18	18	18
• 350% IM						
- Start-up time 5 s	1/h	28	28	28	28	28
- Start-up time 10 s	1/h	10	10	10	10	10
Normal starting (CLASS 10E)						
Rated motor current $I M$, $T_u = 50\text{ °C}$	A	22.3	41.6	55.5	68	82.5
ON period = 70%; motor protection activated						
• 300% IM						
- Start-up time 20 s	1/h	21	21	21	21	21
- Start-up time 40 s	1/h	8	8	8	8	8
• 350% IM						
- Start-up time 20 s	1/h	13	13	13	13	13
- Start-up time 40 s	1/h	4	4	4	4	4
Heavy starting (CLASS 20E)						
Rated motor current $I M$, $T_u = 50\text{ °C}$	A	22.3	41.6	55.5	68	82.5
ON period = 70%; motor protection activated						
• 300% $I M$						
- Start-up time 20 s	1/h	10	10	10	10	10
- Start-up time 40 s	1/h	4	4	4	4	4
• 350% $I M$						
- Start-up time 20 s	1/h	7	7	7	7	7
- Start-up time 40 s	1/h	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)						
Rated motor current $I M$, $T_u = 50\text{ °C}$	A	22.3	38	48	62	75.5
ON period = 70%; motor protection activated						
• 300% IM						
- Start-up time 20 s	1/h	7	7	7	7	7
- Start-up time 40 s	1/h	3	3	3	3	3
• 350% $I M$						
- Start-up time 20 s	1/h	4	4	4	4	4
- Start-up time 40 s	1/h	1.8	1.8	1.8	1.8	1.8
Adjustable rated motor current IM						
• Minimum/maximum	A	5/25	10/47	13/63	16/77	19/93
• Minimum/maximum in inside-delta circuits	A	8.7/43.3	17.3/81.4	22.5/109	27.7/133	32.9/161

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Soft Starter: High Performance
Series: 3RW55



3RW55



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Starting Class Details

High Performance

Type		3RW5534	3RW5535	3RW5536
Rated operational current $I_e A$	A	113	143	171
Power Electronics				
Load rating with rated operational current I_e				
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	101	128	153
Permissible rated motor current and starts/h				
Normal starting (CLASS 10A)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	128	153
ON period = 70%; motor protection activated				
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43
	1/h	18	18	18
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28
	1/h	10	10	10
Normal starting (CLASS 10E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	101	128	153
ON period = 70%; motor protection activated				
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21
	1/h	8	8	8
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13
	1/h	4	4	4
Heavy starting (CLASS 20E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	97	113	129
ON period = 70%; motor protection activated				
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10
	1/h	4	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7
	1/h	2.5	2.5	2.5
Normal starting (CLASS 30E)				
Rated motor current I_M , $T_u = 50^\circ C$	A	81	98	105
ON period = 70%; motor protection activated				
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7
	1/h	3	3	3
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	4	4	4
	1/h	1.8	1.8	1.8
Adjustable rated motor current IM				
• Minimum/maximum	A	23/113	29/143	34/171
• Minimum/maximum in inside-delta circuits	A	39.8/195	50.2/247	58.9/296



Soft Starter: High Performance
Series: 3RW55



3RW55



Starting Class Details

High Performance

Type		3RW5543	3RW5544	3RW5545	3RW5546	3RW5547	3RW5548
Rated operational current I_e A	A	210	250	315	370	470	570
Power Electronics							
Load rating with rated operational current I_e							
IEC + UL/CSA, individual mounting at 50°C, A AC-53a	A	186	220	279	328	416	504
Permissible rated motor current and starts/h							
Normal starting (CLASS 10A)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	186	220	279	328	416	504
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	43	43	40	20
	1/h	18	18	18	18	17	6
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	28	28	26	9
	1/h	10	10	10	10	10	1
Normal starting (CLASS 10E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	186	220	279	328	416	490
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	21	21	17	8
	1/h	8	8	8	8	6	1
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	13	13	10	2
	1/h	4	4	4	4	2	--
Heavy starting (CLASS 20E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	146	180	207	230	254	262
ON period = 70%; motor protection activated							
• 300% I_M - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10	10
	1/h	4	4	4	4	4	4
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)							
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	122	140	159	174	190	200
ON period = 70%; motor protection activated							
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7	7
	1/h	3	3	3	3	3	3
• 350% I_M - Start-up time 20 s - Start-up time 40 s	1/h	4	4	4	4	4	4
	1/h	1.8	1.8	1.8	1.8	1.8	1.8
Adjustable rated motor current IM							
• Minimum/maximum	A	42/210	50/250	63/315	74/370	94/470	114/570
• Minimum/maximum in inside-delta circuits	A	72.7/363	86.6/433	109.1/545	128.2/640	162.8/814	197.5/987

SOFT STARTER

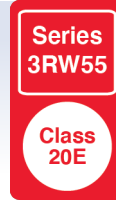
VARIABLE FREQUENCY DRIVE

APPENDIX

Soft Starter: High Performance
Series: 3RW55



3RW55



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Starting Class Details

High Performance

Type		3RW5552	3RW5553	3RW5554	3RW5556	3RW5558
Rated operational current I_e A	A	630	720	840	1100	1280
Power Electronics						
Load rating with rated operational current I_e						
IEC + UL/CSA, individual mounting at 50°C, AAC-53a	A	561	641	748	979	1139
Permissible rated motor current and starts/h						
Normal starting (CLASS 10A)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	561	641	748	979	1139
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 5 s - Start-up time 10 s	1/h	43	43	42	43	32
	1/h	18	18	18	18	12
• 350% IM - Start-up time 5 s - Start-up time 10 s	1/h	28	28	25	27	17
	1/h	10	10	10	9	4
Normal starting (CLASS 10E)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	561	641	748	979	1130
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	21	21	19	18	15
	1/h	8	8	7	7	5
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	13	13	10	9	1
	1/h	4	4	2	2	1
Heavy starting (CLASS 20E)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	450	470	520	840	900
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	10	10	10	10	10
	1/h	4	4	4	4	4
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	2.5	2.5	2.5	2.5	2.5
Normal starting (CLASS 30E)						
Rated motor current I_M , $T_u = 50^\circ\text{C}$	A	340	360	380	670	720
ON period = 70%; motor protection activated						
• 300% IM - Start-up time 20 s - Start-up time 40 s	1/h	7	7	7	7	7
	1/h	3	3	3	3	3
• 350% IM - Start-up time 20 s - Start-up time 40 s	1/h	4	4	4	4	4
	1/h	1.8	1.8	1.8	1.8	1.8
Adjustable rated motor current IM						
• Minimum/maximum	A	114/630	144/720	168/840	220/1100	258/1280
• Minimum/maximum in inside-delta circuits	A	197.5/987	249.4/1247	291/1454	381.1/1905	446.9/2217



HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW40 Soft Starter
 General Purpose Applications



(See pp. 12-14 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

- LED status / fault monitoring
- Remote reset

Standard Features

- 15 HP - 75 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection

- Normal Starting (Class 10) - Please see Starting Class Details on p 14-16
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP

- 120V Transformer

Warranty

- Two (2) year warranty

Applications

- General purpose applications that require Normal Starting (Class 10). See Applications listed on pp 10-11 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0153RP00-24H-2-000	M90	\$4,936.98	
20	58	24	24	12	3RW4037-1BB14	3041B-0203RP00-24H-2-000	M90	\$5,206.13	
25	73	24	24	12	3RW4046-1BB14	3041B-0253RP00-24H-2-000	M90	\$5,706.21	
30	98	24	24	12	3RW4047-1BB14	3041B-0303RP00-24H-2-000	M90	\$6,020.71	

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0253RP00-24H-4-000	M90	\$4,697.57	
30	42	24	24	12	3RW4036-1BB14	3041B-0303RP00-24H-4-000	M90	\$4,936.98	
40	58	24	24	12	3RW4037-1BB14	3041B-0403RP00-24H-4-000	M90	\$5,206.13	
50	73	24	24	12	3RW4046-1BB14	3041B-0503RP00-24H-4-000	M90	\$5,706.21	
60	98	24	24	12	3RW4047-1BB14	3041B-0603RP00-24H-4-000	M90	\$6,020.71	
75	98	24	24	12	3RW4047-1BB14	3041B-0753RP00-24H-4-000	M90	\$6,020.71	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 15 HP - 40 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW40 Soft Starter
 General Purpose Applications



(See pp. 12-14 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 40 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 240V: 15 HP - 20 HP
- 480V: 25 HP - 40 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4037-1BB14	3141B-0153RP00-24H-2-000	M90	\$5,206.13	
20	58	24	24	12	3RW4047-1BB14	3141B-0203RP00-24H-2-000	M90	\$6,019.28	

HP ¹	Amps	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4037-1BB14	3141B-0253RP00-24H-4-000	M90	\$5,206.13	
30	42	24	24	12	3RW4037-1BB14	3141B-0303RP00-24H-4-000	M90	\$5,206.13	
40	58	24	24	12	3RW4047-1BB14	3141B-0403RP00-24H-4-000	M90	\$6,019.28	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40-



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW40 Soft Starter

General Purpose Applications



(See pp. 12-14 for Starting Class Details)

Standard Features / Specifications

Pilot devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on pp 13-15
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty

Applications

- General purpose applications that require Normal Starting (Class 10). See Applications listed on pp 10-11 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0154TP00-24H-2-000	M90	\$5,136.71	
20	58	24	24	12	3RW4037-1BB14	3041B-0204TP00-24H-2-000	M90	\$5,405.87	
25	73	24	24	12	3RW4046-1BB14	3041B-0254TP00-24H-2-000	M90	\$5,905.95	
30	98	24	24	12	3RW4047-1BB14	3041B-0304TP00-24H-2-000	M90	\$6,219.03	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0254TP00-24H-4-000	M90	\$4,897.31	
30	42	24	24	12	3RW4036-1BB14	3041B-0304TP00-24H-4-000	M90	\$5,136.71	
40	58	24	24	12	3RW4037-1BB14	3041B-0404TP00-24H-4-000	M90	\$5,405.87	
50	73	24	24	12	3RW4046-1BB14	3041B-0504TP00-24H-4-000	M90	\$5,905.95	
60	98	24	24	12	3RW4047-1BB14	3041B-0604TP00-24H-4-000	M90	\$6,219.03	
75	98	24	24	12	3RW4047-1BB14	3041B-0754TP00-24H-4-000	M90	\$6,219.03	

*** Notes:**

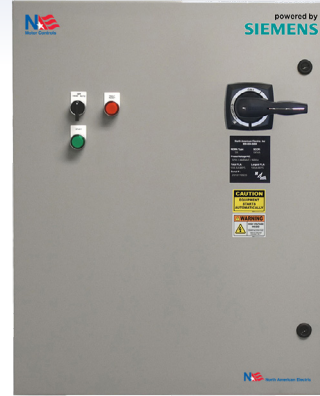
1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 15 HP - 40 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



(See pp. 12-14 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW40 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 40 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 20 HP
- 480V: 25 HP - 40 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4037-1BB14	3141B-0154TP00-24H-2-000		M90	\$5,405.87
20	58	24	24	12	3RW4047-1BB14	3141B-0204TP00-24H-2-000		M90	\$6,219.03

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4037-1BB14	3141B-0254TP00-24H-4-000		M90	\$5,405.87
30	42	24	24	12	3RW4037-1BB14	3141B-0304TP00-24H-4-000		M90	\$5,405.87
40	58	24	24	12	3RW4047-1BB14	3141B-0404TP00-24H-4-000		M90	\$6,219.03

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW50 Soft Starter
 General Purpose Applications



(See pp. 15-16 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0403RP00-24H-2-000	M90	\$7,976.43	
50	153	40	24	12	3RW50566AB14	3045B-0503RP00-24H-2-000	M90	\$8,735.34	
60	186	42	30	16	3RW50726AB14	3045B-0603RP00-24H-2-000	M90	\$10,366.46	
75	220	42	30	16	3RW50736AB14	3045B-0753RP00-24H-2-000	M90	\$10,480.93	
100	279	48	30	16	3RW50746AB14	3045B-1003RP00-24H-2-000	M90	\$10,978.32	
125	328	48	30	16	3RW50756AB14	3045B-1253RP00-24H-2-000	M90	\$15,040.53	
150	416	48	30	16	3RW50766AB14	3045B-1503RP00-24H-2-000	M90	\$16,578.02	
200	504	48	30	16	3RW50776AB14	3045B-2003RP00-24H-2-000	M90	\$17,354.93	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1003RP00-24H-4-000	M90	\$7,976.43	
100	153	40	24	12	3RW50566AB14	3045B-1003RP00-24H-4-002	M90	\$8,735.34	
150	186	42	30	12	3RW50726AB14	3045B-1503RP00-24H-4-000	M90	\$10,366.46	
150	220	42	30	12	3RW50736AB14	3045B-1503RP00-24H-4-002	M90	\$10,480.93	
200	279	48	30	16	3RW50746AB14	3045B-2003RP00-24H-4-000	M90	\$10,978.32	
250	328	48	30	16	3RW50756AB14	3045B-2503RP00-24H-4-000	M90	\$15,040.53	
350	416	48	30	16	3RW50766AB14	3045B-3503RP00-24H-4-000	M90	\$16,578.02	
400	504	48	30	16	3RW50776AB14	3045B-4003RP00-24H-4-000	M90	\$18,426.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

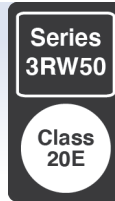
Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 207-210
 Enclosure Information on p. 148



HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW50 Soft Starter
 General Purpose Applications



(See pp. 15-16 for Starting Class Details)

SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 30 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0303RP00-24H-2-000	M90	\$7,855.22	
40	123	40	24	12	3RW50566AB14	3145B-0403RP00-24H-2-000	M90	\$8,614.14	
50	146	42	30	16	3RW50726AB14	3145B-0503RP00-24H-2-000	M90	\$9,699.07	
60	180	42	30	16	3RW50736AB14	3145B-0603RP00-24H-2-000	M90	\$10,062.05	
75	195	48	30	16	3RW50746AB14	3145B-0753RP00-24H-2-000	M90	\$10,934.80	
	230	48	30	16	3RW50756AB14	3145B-0753RP00-24H-2-002	M90	\$13,034.77	
100	254	48	30	16	3RW50766AB14	3145B-1003RP00-24H-2-000	M90	\$15,226.01	
	262	48	30	16	3RW50776AB14	3145B-1003RP00-24H-2-002	M90	\$15,765.99	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0753RP00-24H-4-000	M90	\$7,855.22	
75	123	40	24	12	3RW50566AB14	3145B-0753RP00-24H-4-002	M90	\$8,614.14	
100	146	42	30	12	3RW50726AB14	3145B-1003RP00-24H-4-000	M90	\$9,699.07	
125	180	42	30	12	3RW50736AB14	3145B-1253RP00-24H-4-000	M90	\$10,062.05	
150	195	48	30	16	3RW50746AB14	3145B-1503RP00-24H-4-000	M90	\$10,934.80	
	230	48	30	16	3RW50756AB14	3145B-1503RP00-24H-4-002	M90	\$13,034.77	
200	254	48	30	16	3RW50766AB14	3145B-2003RP00-24H-4-000	M90	\$15,226.01	
	262	48	30	16	3RW50776AB14	3145B-2003RP00-24H-4-002	M90	\$15,765.99	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW50 Soft Starter

General Purpose Applications



(See pp. 15-16 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 75 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404TP00-24H-2-000	M90	\$7,808.49	
50	153	40	24	12	3RW50566AB14	3045B-0504TP00-24H-2-000	M90	\$8,278.45	
60	186	42	30	16	3RW50726AB14	3045B-0604TP00-24H-2-000	M90	\$9,349.96	
75	220	42	30	16	3RW50736AB14	3045B-0754TP00-24H-2-000	M90	\$10,029.61	
100	279	48	30	16	3RW50746AB14	3045B-1004TP00-24H-2-000	M90	\$10,515.51	
125	328	48	30	16	3RW50756AB14	3045B-1254TP00-24H-2-000	M90	\$14,593.23	
150	416	48	30	16	3RW50766AB14	3045B-1504TP00-24H-2-000	M90	\$16,259.72	
200	504	48	30	16	3RW50776AB14	3045B-2004TP00-24H-2-000	M90	\$18,108.69	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1004TP00-24H-4-000	M90	\$7,519.53	
	153	40	24	12	3RW50566AB14	3045B-1004TP00-24H-4-002	M90	\$8,278.45	
150	186	42	30	12	3RW50726AB14	3045B-1504TP00-24H-4-000	M90	\$9,915.14	
	220	42	30	12	3RW50736AB14	3045B-1504TP00-24H-4-002	M90	\$10,618.63	
200	279	48	30	16	3RW50746AB14	3045B-2004TP00-24H-4-000	M90	\$10,515.48	
250	328	48	30	16	3RW50756AB14	3045B-2504TP00-24H-4-000	M90	\$14,577.71	
350	416	48	30	16	3RW50766AB14	3045B-3504TP00-24H-4-000	M90	\$16,259.72	
400	504	48	30	16	3RW50776AB14	3045B-4004TP00-24H-4-000	M90	\$18,108.69	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 15-16 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW50 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 30 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)
- Soft stop capable

- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304TP00-24H-2-000	M90	\$7,398.33	
40	123	40	24	12	3RW50566AB14	3145B-0404TP00-24H-2-000	M90	\$8,157.26	
50	146	42	30	16	3RW50726AB14	3145B-0504TP00-24H-2-000	M90	\$9,247.74	
60	180	42	30	16	3RW50736AB14	3145B-0604TP00-24H-2-000	M90	\$9,610.71	
75	195	48	30	16	3RW50746AB14	3145B-0754TP00-24H-2-000	M90	\$10,471.99	
	230	48	30	16	3RW50756AB14	3145B-0754TP00-24H-2-002	M90	\$12,571.97	
100	254	48	30	16	3RW50766AB14	3145B-1004TP00-24H-2-000	M90	\$14,763.21	
	262	48	30	16	3RW50776AB14	3145B-1004TP00-24H-2-002	M90	\$15,303.19	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754TP00-24H-4-000	M90	\$7,398.33	
	123	40	24	12	3RW50566AB14	3145B-0754TP00-24H-4-002	M90	\$8,157.26	
100	146	42	30	12	3RW50726AB14	3145B-1004TP00-24H-4-000	M90	\$9,247.74	
125	180	42	30	12	3RW50736AB14	3145B-1254TP00-24H-4-000	M90	\$9,610.71	
150	195	48	30	16	3RW50746AB14	3145B-1504TP00-24H-4-000	M90	\$10,471.99	
	230	48	30	16	3RW50756AB14	3145B-1504TP00-24H-4-002	M90	\$12,571.97	
200	254	48	30	16	3RW50766AB14	3145B-2004TP00-24H-4-000	M90	\$14,763.21	
	262	48	30	16	3RW50776AB14	3145B-2004TP00-24H-4-002	M90	\$15,303.19	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW50 Soft Starter
 General Purpose Applications



(See pp. 15-16 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0403RP00-32B-2-000	M90	\$7,855.22	
50	153	40	24	12	3RW50566AB14	3045B-0503RP00-32B-2-000	M90	\$8,614.14	
60	186	42	30	16	3RW50726AB14	3045B-0603RP00-32B-2-000	M90	\$9,699.07	
75	220	42	30	16	3RW50736AB14	3045B-0753RP00-32B-2-000	M90	\$10,062.05	
100	279	48	30	16	3RW50746AB14	3045B-1003RP00-32B-2-000	M90	\$10,934.80	
125	328	48	30	16	3RW50756AB14	3045B-1253RP00-32B-2-000	M90	\$13,034.77	
150	416	48	30	16	3RW50766AB14	3045B-1503RP00-32B-2-000	M90	\$15,226.01	
200	504	48	30	16	3RW50776AB14	3045B-2003RP00-32B-2-000	M90	\$15,765.99	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1003RP00-32B-4-000	M90	\$8,563.22	
	153	40	24	12	3RW50566AB14	3045B-1003RP00-32B-4-002	M90	\$9,322.15	
150	186	42	30	12	3RW50726AB14	3045B-1503RP00-32B-4-000	M90	\$10,953.27	
	220	42	30	12	3RW50736AB14	3045B-1503RP00-32B-4-002	M90	\$11,067.73	
200	279	48	30	16	3RW50746AB14	3045B-2003RP00-32B-4-000	M90	\$11,565.13	
250	328	48	30	16	3RW50756AB14	3045B-2503RP00-32B-4-000	M90	\$15,627.33	
350	416	48	30	16	3RW50766AB14	3045B-3503RP00-32B-4-000	M90	\$17,164.82	
400	504	48	30	16	3RW50776AB14	3045B-4003RP00-32B-4-000	M90	\$19,013.79	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 207-210
 Enclosure Information on p. 148



HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Series 3RW50
Class 20E



(See pp. 15-16 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW50 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 30 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0303RP00-32B-2-000	M90	\$8,727.85	
40	123	40	24	12	3RW50566AB14	3145B-0403RP00-32B-2-000	M90	\$9,486.77	
50	146	42	30	16	3RW50726AB14	3145B-0503RP00-32B-2-000	M90	\$10,571.67	
60	180	42	30	16	3RW50736AB14	3145B-0603RP00-32B-2-000	M90	\$10,934.66	
75	195	48	30	16	3RW50746AB14	3145B-0753RP00-32B-2-000	M90	\$11,807.40	
	230	48	30	16	3RW50756AB14	3145B-0753RP00-32B-2-002	M90	\$13,907.39	
100	254	48	30	16	3RW50766AB14	3145B-1003RP00-32B-2-000	M90	\$16,098.61	
	262	48	30	16	3RW50776AB14	3145B-1003RP00-32B-2-002	M90	\$16,638.61	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0753RP00-32B-4-000	M90	\$8,727.85	
	123	40	24	12	3RW50566AB14	3145B-0753RP00-32B-4-002	M90	\$9,486.77	
100	146	42	30	12	3RW50726AB14	3145B-1003RP00-32B-4-000	M90	\$10,571.67	
125	180	42	30	12	3RW50736AB14	3145B-1253RP00-32B-4-000	M90	\$10,934.66	
150	195	48	30	16	3RW50746AB14	3145B-1503RP00-32B-4-000	M90	\$11,807.40	
	230	48	30	16	3RW50756AB14	3145B-1503RP00-32B-4-002	M90	\$13,907.39	
200	254	48	30	16	3RW50766AB14	3145B-2003RP00-32B-4-000	M90	\$16,098.61	
	262	48	30	16	3RW50776AB14	3145B-2003RP00-32B-4-002	M90	\$16,638.61	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

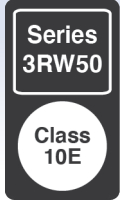
VARIABLE FREQUENCY DRIVE

APPENDIX

SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW50 Soft Starter
 General Purpose Applications



(See pp. 15-16 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 40 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Fully gasketed
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404TP00-32B-2-000	M90	\$8,300.40	
50	153	40	24	12	3RW50566AB14	3045B-0504TP00-32B-2-000	M90	\$9,059.33	
60	186	42	30	16	3RW50726AB14	3045B-0604TP00-32B-2-000	M90	\$10,130.86	
75	220	42	30	16	3RW50736AB14	3045B-0754TP00-32B-2-000	M90	\$10,245.31	
100	279	48	30	16	3RW50746AB14	3045B-1004TP00-32B-2-000	M90	\$10,680.76	
125	328	48	30	16	3RW50756AB14	3045B-1254TP00-32B-2-000	M90	\$14,742.94	
150	416	48	30	16	3RW50766AB14	3045B-1504TP00-32B-2-000	M90	\$16,330.91	
200	504	48	30	16	3RW50776AB14	3045B-2004TP00-32B-2-000	M90	\$18,179.35	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	40	24	12	3RW50556AB14	3045B-1004TP00-32B-4-000	M90	\$8,300.40	
	153	40	24	12	3RW50566AB14	3045B-1004TP00-32B-4-002	M90	\$9,059.33	
150	186	42	30	12	3RW50726AB14	3045B-1504TP00-32B-4-000	M90	\$12,626.58	
	220	42	30	12	3RW50736AB14	3045B-1504TP00-32B-4-002	M90	\$10,810.48	
200	279	48	30	16	3RW50746AB14	3045B-2004TP00-32B-4-000	M90	\$11,296.39	
250	328	48	30	16	3RW50756AB14	3045B-2504TP00-32B-4-000	M90	\$15,358.58	
350	416	48	30	16	3RW50766AB14	3045B-3504TP00-32B-4-000	M90	\$17,040.61	
400	504	48	30	16	3RW50776AB14	3045B-4004TP00-32B-4-000	M90	\$18,889.56	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 15-16 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW50 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 30 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304TP00-32B-2-000	M90	\$8,270.93	
40	123	40	24	12	3RW50566AB14	3145B-0404TP00-32B-2-000	M90	\$9,029.86	
50	146	42	30	16	3RW50726AB14	3145B-0504TP00-32B-2-000	M90	\$10,120.33	
60	180	42	30	16	3RW50736AB14	3145B-0604TP00-32B-2-000	M90	\$10,483.34	
75	195	48	30	16	3RW50746AB14	3145B-0754TP00-32B-2-000	M90	\$11,344.60	
	230	48	30	16	3RW50756AB14	3145B-0754TP00-32B-2-002	M90	\$13,444.56	
100	254	48	30	16	3RW50766AB14	3145B-1004TP00-32B-2-000	M90	\$15,635.83	
	262	48	30	16	3RW50776AB14	3145B-1004TP00-32B-2-002	M90	\$16,175.83	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754TP00-32B-4-000	M90	\$8,270.93	
	123	40	24	12	3RW50566AB14	3145B-0754TP00-32B-4-002	M90	\$9,029.86	
100	146	42	30	12	3RW50726AB14	3145B-1004TP00-32B-4-000	M90	\$10,120.33	
125	180	42	30	12	3RW50736AB14	3145B-1254TP00-32B-4-000	M90	\$10,483.34	
150	195	48	30	16	3RW50746AB14	3145B-1504TP00-32B-4-000	M90	\$11,344.60	
	230	48	30	16	3RW50756AB14	3145B-1504TP00-32B-4-002	M90	\$13,444.56	
200	254	48	30	16	3RW50766AB14	3145B-2004TP00-32B-4-000	M90	\$15,635.83	
	262	48	30	16	3RW50776AB14	3145B-2004TP00-32B-4-002	M90	\$16,175.83	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0033RP00-24H-2-000	M90	\$5,721.02	
5	15.9	36	24	10	3RW5214-1AC14	3043B-0053RP00-24H-2-000	M90	\$5,856.30	
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P53RP00-24H-2-000	M90	\$6,013.58	
	28.4	36	24	10	3RW5216-1AC14	3043B-0103RP00-24H-2-000	M90	\$6,194.87	
10	33.5	36	24	10	3RW5217-1AC14	3043B-0103RP00-24H-2-002	M90	\$6,396.43	
	41.6	36	24	12	3RW5224-1AC14	3043B-0103RP00-24H-2-003	M90	\$6,791.93	
	55.5	40	24	12	3RW5225-1AC14	3043B-0203RP00-24H-2-000	M90	\$7,055.92	
25	68	40	24	12	3RW5226-1AC14	3043B-0253RP00-24H-2-000	M90	\$7,299.84	
30	82.5	40	24	12	3RW5227-1AC14	3043B-0303RP00-24H-2-000	M90	\$7,761.94	
	101	40	24	12	3RW5234-6AC14	3043B-0303RP00-24H-2-002	M90	\$8,110.88	
40	128	40	24	12	3RW5235-6AC14	3043B-0403RP00-24H-2-000	M90	\$8,889.28	
50	153	40	24	12	3RW5236-6AC14	3043B-0503RP00-24H-2-000	M90	\$9,544.46	
60	186	40	24	12	3RW5243-6AC14	3043B-0603RP00-24H-2-000	M90	\$12,493.97	
75	220	60	36	12	3RW5244-6AC14	3043B-0753RP00-24H-2-000	M90	\$13,411.60	
100	279	60	36	12	3RW5245-6AC14	3043B-1003RP00-24H-2-000	M90	\$15,218.26	
125	328	60	36	12	3RW5246-6AC14	3043B-1253RP00-24H-2-000	M90	\$18,907.37	
150	416	60	36	12	3RW5247-6AC14	3043B-1503RP00-24H-2-000	M90	\$20,487.54	
200	504	60	36	12	3RW5248-6AC14	3043B-2003RP00-24H-2-000	M90	\$21,809.57	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P53RP00-24H-4-000	M90	\$5,721.02	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0103RP00-24H-4-000	M90	\$5,856.30	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0153RP00-24H-4-000	M90	\$6,013.58	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0203RP00-24H-4-000	M90	\$6,194.87	
	33.5	36	24	10	3RW5217-1AC14	3043B-0203RP00-24H-4-002	M90	\$6,396.43	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0303RP00-24H-4-000	M90	\$6,791.93	
40	55.5	40	24	12	3RW5225-1AC14	3043B-0403RP00-24H-4-000	M90	\$7,055.92	
50	68.0	40	24	12	3RW5226-1AC14	3043B-0503RP00-24H-4-000	M90	\$7,299.84	
60	82.5	40	24	12	3RW5227-1AC14	3043B-0603RP00-24H-4-000	M90	\$7,761.94	
75	101.0	40	24	12	3RW5234-6AC14	3043B-0753RP00-24H-4-000	M90	\$8,110.88	
100	128.0	40	24	12	3RW5235-6AC14	3043B-1003RP00-24H-4-000	M90	\$8,889.28	
	153.0	40	24	12	3RW5236-6AC14	3043B-1003RP00-24H-4-002	M90	\$9,544.46	
150	186.0	40	24	12	3RW5243-6AC14	3043B-1503RP00-24H-4-000	M90	\$12,493.97	
	220.0	60	36	12	3RW5244-6AC14	3043B-1503RP00-24H-4-002	M90	\$13,411.60	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2003RP00-24H-4-000	M90	\$15,218.26	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2503RP00-24H-4-000	M90	\$18,907.37	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3503RP00-24H-4-000	M90	\$20,487.54	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4003RP00-24H-4-000	M90	\$21,809.57	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0033RP00-24H-2-000	M90	\$5,957.41	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0053RP00-24H-2-000	M90	\$6,098.30	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P53RP00-24H-2-000	M90	\$6,262.08	
	27.2	36	24	10	3RW5216-1AC14	3143B-7P53RP00-24H-2-002	M90	\$6,450.86	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0103RP00-24H-2-000	M90	\$6,660.75	
	41.6	36	24	12	3RW5224-1AC14	3143B-0103RP00-24H-2-002	M90	\$7,075.77	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0203RP00-24H-2-000	M90	\$7,347.49	
	59	40	24	12	3RW5226-1AC14	3143B-0203RP00-24H-2-002	M90	\$7,347.49	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0303RP00-24H-2-000	M90	\$8,082.68	
	97	40	24	12	3RW5234-6AC14	3143B-0303RP00-24H-2-002	M90	\$8,446.04	
	103	40	24	12	3RW5235-6AC14	3143B-0303RP00-24H-2-003	M90	\$9,123.98	
40	117	40	24	12	3RW5236-6AC14	3143B-0403RP00-24H-2-000	M90	\$9,806.27	
50	146	40	24	12	3RW5243-6AC14	3143B-0503RP00-24H-2-000	M90	\$12,495.39	
60	180	60	36	12	3RW5244-6AC14	3143B-0603RP00-24H-2-000	M90	\$13,450.94	
	171	60	36	12	3RW5245-6AC14	3143B-0603RP00-24H-2-002	M90	\$14,966.44	
75	230	60	36	12	3RW5246-6AC14	3143B-0753RP00-24H-2-000	M90	\$17,148.71	
	236	60	36	12	3RW5247-6AC14	3143B-0753RP00-24H-2-002	M90	\$18,786.77	
100	262	60	36	12	3RW5248-6AC14	3143B-1003RP00-24H-2-000	M90	\$20,163.44	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P53RP00-24H-4-000	M90	\$5,957.41	
10	15.9	36	24	10	3RW5214-1AC14	3143B-0103RP00-24H-4-000	M90	\$6,098.30	
15	22.3	36	24	10	3RW5215-1AC14	3143B-0153RP00-24H-4-000	M90	\$6,262.08	
20	27.2	36	24	10	3RW5216-1AC14	3143B-0203RP00-24H-4-000	M90	\$6,450.86	
	31.5	36	24	10	3RW5217-1AC14	3143B-0203RP00-24H-4-002	M90	\$6,660.75	
30	41.6	36	24	12	3RW5224-1AC14	3143B-0303RP00-24H-4-000	M90	\$7,072.58	
40	55.5	40	24	12	3RW5225-1AC14	3143B-0403RP00-24H-4-000	M90	\$7,347.49	
	59.0	40	24	12	3RW5226-1AC14	3143B-0403RP00-24H-4-002	M90	\$7,685.97	
50	82.5	40	24	12	3RW5227-1AC14	3143B-0503RP00-24H-4-000	M90	\$8,082.68	
60	82.5	40	24	12	3RW5227-1AC14	3143B-0603RP00-24H-4-000	M90	\$8,082.68	
75	97.0	40	24	12	3RW5234-6AC14	3143B-0753RP00-24H-4-000	M90	\$8,446.04	
	103.0	40	24	12	3RW5235-6AC14	3143B-0753RP00-24H-4-002	M90	\$9,123.98	
	117.0	40	24	12	3RW5236-6AC14	3143B-0753RP00-24H-4-003	M90	\$9,938.86	
100	146.0	40	24	12	3RW5243-6AC14	3143B-1003RP00-24H-4-000	M90	\$12,495.76	
125	171.0	60	36	12	3RW5245-6AC14	3143B-1253RP00-24H-4-000	M90	\$13,965.80	
	180.0	60	36	12	3RW5244-6AC14	3143B-1503RP00-24H-4-000	M90	\$15,027.15	
150	230.0	60	36	12	3RW5246-6AC14	3143B-1503RP00-24H-4-002	M90	\$17,259.18	
	236.0	60	36	12	3RW5247-6AC14	3143B-1503RP00-24H-4-003	M90	\$18,897.26	
200	262.0	60	36	12	3RW5248-6AC14	3143B-2003RP00-24H-4-000	M90	\$20,199.02	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications



(See pp. 17-20 for Starting Class Details)



Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034TP00-24H-2-000		M90	\$5,282.94
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054TP00-24H-2-000		M90	\$5,418.23
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54TP00-24H-2-000		M90	\$5,575.50
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104TP00-24H-2-000		M90	\$5,756.79
	33.5	36	24	10	3RW5217-1AC14	3043B-0104TP00-24H-2-002		M90	\$5,958.34
	41.6	36	24	12	3RW5224-1AC14	3043B-0104TP00-24H-2-003		M90	\$6,344.39
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204TP00-24H-2-000		M90	\$6,608.40
25	68	40	24	12	3RW5226-1AC14	3043B-0254TP00-24H-2-000		M90	\$6,852.31
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304TP00-24H-2-000		M90	\$7,314.41
	101	40	24	12	3RW5234-6AC14	3043B-0304TP00-24H-2-002		M90	\$7,663.35
40	128	40	24	12	3RW5235-6AC14	3043B-0404TP00-24H-2-000		M90	\$8,441.75
50	153	40	24	12	3RW5236-6AC14	3043B-0504TP00-24H-2-000		M90	\$9,096.93
60	186	40	24	12	3RW5243-6AC14	3043B-0604TP00-24H-2-000		M90	\$11,974.70
75	220	60	36	12	3RW5244-6AC14	3043B-0754TP00-24H-2-000		M90	\$12,892.33
100	279	60	36	12	3RW5245-6AC14	3043B-1004TP00-24H-2-000		M90	\$14,699.00
125	328	60	36	12	3RW5246-6AC14	3043B-1254TP00-24H-2-000		M90	\$18,388.09
150	416	60	36	12	3RW5247-6AC14	3043B-1504TP00-24H-2-000		M90	\$19,968.27
200	504	60	36	12	3RW5248-6AC14	3043B-2004TP00-24H-2-000		M90	\$21,290.31

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System

- Soft Torque
- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54TP00-24H-4-000	M90	\$5,282.94	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104TP00-24H-4-000	M90	\$5,418.23	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154TP00-24H-4-000	M90	\$5,575.50	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204TP00-24H-4-000	M90	\$5,756.79	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204TP00-24H-4-002	M90	\$5,958.34	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304TP00-24H-4-000	M90	\$6,344.39	
40	55.5	40	24	12	3RW5225-1AC14	3043B-0404TP00-24H-4-000	M90	\$6,608.40	
50	68.0	40	24	12	3RW5226-1AC14	3043B-0504TP00-24H-4-000	M90	\$6,852.31	
60	82.5	40	24	12	3RW5227-1AC14	3043B-0604TP00-24H-4-000	M90	\$7,314.41	
75	101.0	40	24	12	3RW5234-6AC14	3043B-0754TP00-24H-4-000	M90	\$7,663.35	
100	128.0	40	24	12	3RW5235-6AC14	3043B-1004TP00-24H-4-000	M90	\$8,441.75	
	153.0	40	24	12	3RW5236-6AC14	3043B-1004TP00-24H-4-002	M90	\$9,096.93	
150	186.0	40	24	12	3RW5243-6AC14	3043B-1504TP00-24H-4-000	M90	\$11,974.70	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504TP00-24H-4-002	M90	\$12,892.33	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004TP00-24H-4-000	M90	\$14,805.11	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504TP00-24H-4-000	M90	\$18,494.20	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504TP00-24H-4-000	M90	\$20,074.37	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004TP00-24H-4-000	M90	\$21,396.42	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series

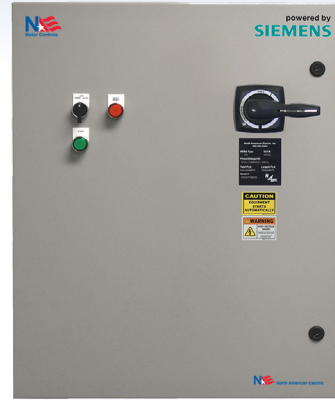


Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications



(See pp. 17-20 for Starting Class Details)



Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034TP00-24H-2-000		M90	\$5,501.24
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054TP00-24H-2-000		M90	\$5,642.11
	22.3	36	24	10	3RW5215-1AC14	3143B-7P54TP00-24H-2-000		M90	\$6,262.08
7.5	27.2	36	24	10	3RW5216-1AC14	3143B-7P54TP00-24H-2-002		M90	\$5,994.68
	30.5	36	24	10	3RW5217-1AC14	3143B-0104TP00-24H-2-000		M90	\$6,204.57
15	41.6	36	24	12	3RW5224-1AC14	3143B-0154TP00-24H-2-000		M90	\$6,609.75
20	55.5	40	24	12	3RW5225-1AC14	3143B-0204TP00-24H-2-000		M90	\$6,881.48
	59	40	24	12	3RW5226-1AC14	3143B-0204TP00-24H-2-002		M90	\$7,135.47
30	82.5	40	24	12	3RW5227-1AC14	3143B-0304TP00-24H-2-000		M90	\$7,616.65
	97	40	24	12	3RW5234-6AC14	3143B-0304TP00-24H-2-002		M90	\$7,980.01
	103	40	24	12	3RW5235-6AC14	3143B-0304TP00-24H-2-003		M90	\$8,657.97
40	117	40	24	12	3RW5236-6AC14	3143B-0404TP00-24H-2-000		M90	\$9,340.23
50	146	40	24	12	3RW5243-6AC14	3143B-0504TP00-24H-2-000		M90	\$11,954.66
60	180	60	36	12	3RW5244-6AC14	3143B-0604TP00-24H-2-000		M90	\$12,910.21
	171	60	36	12	3RW5245-6AC14	3143B-0604TP00-24H-2-002		M90	\$14,451.45
75	230	60	36	12	3RW5246-6AC14	3143B-0754TP00-24H-2-000		M90	\$16,607.98
	236	60	36	12	3RW5247-6AC14	3143B-0754TP00-24H-2-002		M90	\$18,246.05
100	262	60	36	12	3RW5248-6AC14	3143B-1004TP00-24H-2-000		M90	\$19,622.74

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System

- Soft Torque
- Three - Phase Motor Control
- Parameterization using keypad
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54TP00-24H-4-000	M90	\$5,501.24	
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104TP00-24H-4-000	M90	\$5,642.11	
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154TP00-24H-4-000	M90	\$5,805.90	
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204TP00-24H-4-000	M90	\$5,994.68	
	30.5	36	24	10	3RW5217-1AC14	3143B-0204TP00-24H-4-002	M90	\$6,204.57	
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304TP00-24H-4-000	M90	\$6,606.57	
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404TP00-24H-4-000	M90	\$6,881.48	
	59.0	40	24	12	3RW5226-1AC14	3143B-0404TP00-24H-4-002	M90	\$7,219.93	
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504TP00-24H-4-000	M90	\$7,616.65	
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604TP00-24H-4-000	M90	\$7,616.65	
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754TP00-24H-4-000	M90	\$7,980.01	
	103.0	40	24	12	3RW5235-6AC14	3143B-0754TP00-24H-4-002	M90	\$8,657.97	
	117.0	40	24	12	3RW5236-6AC14	3143B-0754TP00-24H-4-003	M90	\$9,472.85	
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004TP00-24H-4-000	M90	\$11,955.04	
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254TP00-24H-4-000	M90	\$14,486.43	
	180.0	60	36	12	3RW5244-6AC14	3143B-1504TP00-24H-4-000	M90	\$13,425.06	
150	230.0	60	36	12	3RW5246-6AC14	3143B-1504TP00-24H-4-002	M90	\$13,425.06	
	236.0	60	36	12	3RW5247-6AC14	3143B-1504TP00-24H-4-003	M90	\$13,425.06	
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004TP00-24H-4-000	M90	\$19,622.74	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0033RP00-32B-2-000		M90	\$6,905.82
5	15.9	36	24	10	3RW5214-1AC14	3043B-0053RP00-32B-2-000		M90	\$7,041.10
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P53RP00-32B-2-000		M90	\$7,198.38
	28.4	36	24	10	3RW5216-1AC14	3043B-0103RP00-32B-2-000		M90	\$7,379.68
10	33.5	36	24	10	3RW5217-1AC14	3043B-0103RP00-32B-2-002		M90	\$7,581.23
	41.6	36	24	12	3RW5224-1AC14	3043B-0103RP00-32B-2-003		M90	\$7,976.72
	55.5	40	24	12	3RW5225-1AC14	3043B-0203RP00-32B-2-000		M90	\$8,240.74
25	68	40	24	12	3RW5226-1AC14	3043B-0253RP00-32B-2-000		M90	\$8,484.64
	82.5	40	24	12	3RW5227-1AC14	3043B-0303RP00-32B-2-000		M90	\$8,946.74
30	101	40	24	12	3RW5234-6AC14	3043B-0303RP00-32B-2-002		M90	\$9,295.69
	128	40	24	12	3RW5235-6AC14	3043B-0403RP00-32B-2-000		M90	\$10,074.08
50	153	40	24	12	3RW5236-6AC14	3043B-0503RP00-32B-2-000		M90	\$10,729.27
60	186	40	24	12	3RW5243-6AC14	3043B-0603RP00-32B-2-000		M90	\$13,678.77
75	220	60	36	12	3RW5244-6AC14	3043B-0753RP00-32B-2-000		M90	\$14,596.40
100	279	60	36	12	3RW5245-6AC14	3043B-1003RP00-32B-2-000		M90	\$16,403.07
125	328	60	36	12	3RW5246-6AC14	3043B-1253RP00-32B-2-000		M90	\$20,092.17
150	416	60	36	12	3RW5247-6AC14	3043B-1503RP00-32B-2-000		M90	\$21,672.34
200	504	60	36	12	3RW5248-6AC14	3043B-2003RP00-32B-2-000		M90	\$22,994.37

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 207-210
 Enclosure Information on p. 148



HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P53RP00-32B-4-000		M90	\$6,905.82
10	15.9	36	24	10	3RW5214-1AC14	3043B-0103RP00-32B-4-000		M90	\$7,041.10
15	22.3	36	24	10	3RW5215-1AC14	3043B-0153RP00-32B-4-000		M90	\$7,198.39
20	28.4	36	24	10	3RW5216-1AC14	3043B-0203RP00-32B-4-000		M90	\$7,379.68
	33.5	36	24	10	3RW5217-1AC14	3043B-0203RP00-32B-4-002		M90	\$7,581.23
30	41.6	36	24	12	3RW5224-1AC14	3043B-0303RP00-32B-4-000		M90	\$7,976.72
40	55.5	40	24	12	3RW5225-1AC14	3043B-0403RP00-32B-4-000		M90	\$8,240.74
50	68.0	40	24	12	3RW5226-1AC14	3043B-0503RP00-32B-4-000		M90	\$8,484.64
60	82.5	40	24	12	3RW5227-1AC14	3043B-0603RP00-32B-4-000		M90	\$8,946.74
75	101.0	40	24	12	3RW5234-6AC14	3043B-0753RP00-32B-4-000		M90	\$9,295.69
100	128.0	40	24	12	3RW5235-6AC14	3043B-1003RP00-32B-4-000		M90	\$10,074.08
	153.0	40	24	12	3RW5236-6AC14	3043B-1003RP00-32B-4-002		M90	\$10,729.27
150	186.0	40	24	12	3RW5243-6AC14	3043B-1503RP00-32B-4-000		M90	\$13,678.77
	220.0	60	36	12	3RW5244-6AC14	3043B-1503RP00-32B-4-002		M90	\$14,596.40
200	279.0	60	36	12	3RW5245-6AC14	3043B-2003RP00-32B-4-000		M90	\$16,509.17
250	328.0	60	36	12	3RW5246-6AC14	3043B-2503RP00-32B-4-000		M90	\$20,198.27
350	416.0	60	36	12	3RW5247-6AC14	3043B-3503RP00-32B-4-000		M90	\$21,778.44
400	504.0	60	36	12	3RW5248-6AC14	3043B-4003RP00-32B-4-000		M90	\$23,100.47

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0033RP00-32B-2-000	M90	\$7,191.18	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0053RP00-32B-2-000	M90	\$7,332.07	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P53RP00-32B-2-000	M90	\$7,495.86	
	28.4	36	24	10	3RW5216-1AC14	3143B-7P53RP00-32B-2-002	M90	\$7,684.62	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0103RP00-32B-2-000	M90	\$7,894.51	
	41.6	36	24	12	3RW5224-1AC14	3143B-0103RP00-32B-2-002	M90	\$8,309.55	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0203RP00-32B-2-000	M90	\$8,581.25	
	59	40	24	12	3RW5226-1AC14	3143B-0253RP00-32B-2-002	M90	\$8,835.25	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0303RP00-32B-2-000	M90	\$9,316.44	
	97	40	24	12	3RW5234-6AC14	3143B-0303RP00-32B-2-002	M90	\$9,679.81	
	103	40	24	12	3RW5235-6AC14	3143B-0303RP00-32B-2-003	M90	\$10,428.89	
40	117	40	24	12	3RW5236-6AC14	3143B-0403RP00-32B-2-000	M90	\$11,111.15	
50	146	40	24	12	3RW5243-6AC14	3143B-0503RP00-32B-2-000	M90	\$13,839.63	
60	180	60	36	12	3RW5244-6AC14	3143B-0603RP00-32B-2-000	M90	\$14,795.18	
	171	60	36	12	3RW5245-6AC14	3143B-0603RP00-32B-2-002	M90	\$16,310.67	
75	230	60	36	12	3RW5246-6AC14	3143B-0753RP00-32B-2-000	M90	\$18,382.46	
	236	60	36	12	3RW5247-6AC14	3143B-0753RP00-32B-2-002	M90	\$20,020.54	
100	262	60	36	12	3RW5248-6AC14	3143B-1003RP00-32B-2-000	M90	\$21,397.20	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 207-210
 Enclosure Information on p. 148



HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P53RP00-32B-4-000		M90	\$7,191.18
10	15.9	36	24	10	3RW5214-1AC14	3143B-0103RP00-32B-4-000		M90	\$7,332.07
15	22.3	36	24	10	3RW5215-1AC14	3143B-0153RP00-32B-4-000		M90	\$7,495.86
20	27.2	36	24	10	3RW5216-1AC14	3143B-0203RP00-32B-4-000		M90	\$7,684.62
	31.5	36	24	10	3RW5217-1AC14	3143B-0203RP00-32B-4-002		M90	\$7,894.51
30	41.6	36	24	12	3RW5224-1AC14	3143B-0303RP00-32B-4-000		M90	\$8,306.33
40	55.5	40	24	12	3RW5225-1AC14	3143B-0403RP00-32B-4-000		M90	\$8,581.25
	59.0	40	24	12	3RW5226-1AC14	3143B-0403RP00-32B-4-002		M90	\$8,919.73
50	82.5	40	24	12	3RW5227-1AC14	3143B-0503RP00-32B-4-000		M90	\$9,316.44
60	82.5	40	24	12	3RW5227-1AC14	3143B-0603RP00-32B-4-000		M90	\$9,679.81
	97.0	40	24	12	3RW5234-6AC14	3143B-0753RP00-32B-4-000		M90	\$10,357.76
75	103.0	40	24	12	3RW5235-6AC14	3143B-0753RP00-32B-4-002		M90	\$11,172.62
	117.0	40	24	12	3RW5236-6AC14	3143B-0753RP00-32B-4-003		M90	\$13,729.54
100	146.0	40	24	12	3RW5243-6AC14	3143B-1003RP00-32B-4-000		M90	\$15,199.56
125	171.0	60	36	12	3RW5245-6AC14	3143B-1253RP00-32B-4-000		M90	\$15,720.19
	180.0	60	36	12	3RW5244-6AC14	3143B-1503RP00-32B-4-000		M90	\$18,492.94
150	230.0	60	36	12	3RW5246-6AC14	3143B-1503RP00-32B-4-002		M90	\$20,131.02
	236.0	60	36	12	3RW5247-6AC14	3143B-1503RP00-32B-4-003		M90	\$21,397.20
200	262.0	60	36	12	3RW5248-6AC14	3143B-2003RP00-32B-4-000		M90	\$21,488.19

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 200 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034TP00-32B-2-000		M90	\$6,467.76
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054TP00-32B-2-000		M90	\$6,603.03
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54TP00-32B-2-000		M90	\$6,760.31
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104TP00-32B-2-000		M90	\$6,941.59
	33.5	36	24	10	3RW5217-1AC14	3043B-0104TP00-32B-2-002		M90	\$7,143.16
	41.6	36	24	12	3RW5224-1AC14	3043B-0104TP00-32B-2-003		M90	\$7,529.19
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204TP00-32B-2-000		M90	\$7,793.21
25	68	40	24	12	3RW5226-1AC14	3043B-0254TP00-32B-2-000		M90	\$8,037.11
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304TP00-32B-2-000		M90	\$8,499.20
	101	40	24	12	3RW5234-6AC14	3043B-0304TP00-32B-2-002		M90	\$8,848.15
40	128	40	24	12	3RW5235-6AC14	3043B-0404TP00-32B-2-000		M90	\$9,626.55
50	153	40	24	12	3RW5236-6AC14	3043B-0504TP00-32B-2-000		M90	\$10,281.74
60	186	40	24	12	3RW5243-6AC14	3043B-0604TP00-32B-2-000		M90	\$13,159.50
75	220	60	36	12	3RW5244-6AC14	3043B-0754TP00-32B-2-000		M90	\$14,077.14
100	279	60	36	12	3RW5245-6AC14	3043B-1004TP00-32B-2-000		M90	\$15,883.80
125	328	60	36	12	3RW5246-6AC14	3043B-1254TP00-32B-2-000		M90	\$19,572.91
150	416	60	36	12	3RW5247-6AC14	3043B-1504TP00-32B-2-000		M90	\$21,153.08
200	504	60	36	12	3RW5248-6AC14	3043B-2004TP00-32B-2-000		M90	\$22,475.11

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54TP00-32B-4-000	M90	\$6,467.75	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104TP00-32B-4-000	M90	\$6,603.03	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154TP00-32B-4-000	M90	\$6,760.32	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204TP00-32B-4-000	M90	\$6,941.59	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204TP00-32B-4-002	M90	\$7,143.16	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304TP00-32B-4-000	M90	\$7,529.20	
40	55.5	40	24	12	3RW5225-1AC14	3043B-0404TP00-32B-4-000	M90	\$7,793.21	
50	68.0	40	24	12	3RW5226-1AC14	3043B-0504TP00-32B-4-000	M90	\$8,037.11	
60	82.5	40	24	12	3RW5227-1AC14	3043B-0604TP00-32B-4-000	M90	\$8,499.20	
75	101.0	40	24	12	3RW5234-6AC14	3043B-0754TP00-32B-4-000	M90	\$8,848.11	
100	128.0	40	24	12	3RW5235-6AC14	3043B-1004TP00-32B-4-000	M90	\$9,630.79	
	153.0	40	24	12	3RW5236-6AC14	3043B-1004TP00-32B-4-002	M90	\$10,281.74	
150	186.0	40	24	12	3RW5243-6AC14	3043B-1504TP00-32B-4-000	M90	\$13,159.50	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504TP00-32B-4-002	M90	\$14,077.12	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004TP00-32B-4-000	M90	\$15,989.91	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504TP00-32B-4-000	M90	\$19,679.02	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504TP00-32B-4-000	M90	\$21,153.08	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004TP00-32B-4-000	M90	\$22,581.22	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER
 VARIABLE FREQUENCY DRIVE
 APPENDIX

HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW52 Soft Starter

General Purpose Applications



(See pp. 17-20 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 100 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System (not start rated)
- Soft stop capable
- Hybrid switching devices w/ three-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034TP00-32B-2-000	M90	\$6,734.99	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054TP00-32B-2-000	M90	\$6,875.88	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P54TP00-32B-2-000	M90	\$7,039.67	
10	28.4	36	24	10	3RW5216-1AC14	3143B-0104TP00-32B-2-000	M90	\$7,228.43	
	33.5	36	24	10	3RW5217-1AC14	3143B-0104TP00-32B-2-002	M90	\$7,438.33	
	41.6	36	24	12	3RW5224-1AC14	3143B-0104TP00-32B-2-003	M90	\$7,840.32	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0204TP00-32B-2-000	M90	\$8,115.24	
	59	40	24	12	3RW5226-1AC14	3143B-0254TP00-32B-2-000	M90	\$8,369.22	
30	82.5	40	24	12	3RW5227-1AC14	3143B-0304TP00-32B-2-000	M90	\$8,850.41	
	97	40	24	12	3RW5234-6AC14	3143B-0304TP00-32B-2-002	M90	\$9,891.74	
	103	40	24	12	3RW5235-6AC14	3143B-0304TP00-32B-2-003	M90	\$10,573.98	
40	117	40	24	12	3RW5236-6AC14	3143B-0404TP00-32B-2-000	M90	\$13,188.43	
50	146	40	24	12	3RW5243-6AC14	3143B-0504TP00-32B-2-000	M90	\$14,143.97	
60	180	60	36	12	3RW5244-6AC14	3143B-0604TP00-32B-2-000	M90	\$15,685.20	
	171	60	36	12	3RW5245-6AC14	3143B-0604TP00-32B-2-002	M90	\$17,841.75	
75	230	60	36	12	3RW5246-6AC14	3143B-0754TP00-32B-2-000	M90	\$19,479.83	
	236	60	36	12	3RW5247-6AC14	3143B-0754TP00-32B-2-002	M90	\$20,856.49	
100	262	60	36	12	3RW5248-6AC14	3143B-1004TP00-32B-2-000	M90	\$21,059.13	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series 3RW52
Class 20E



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW52 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset

- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54TP00-32B-4-000		M90	\$6,734.99
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104TP00-32B-4-000		M90	\$6,875.88
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154TP00-32B-4-000		M90	\$7,039.67
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204TP00-32B-4-000		M90	\$7,228.43
	30.5	36	24	10	3RW5217-1AC14	3143B-0204TP00-32B-4-002		M90	\$7,438.33
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304TP00-32B-4-000		M90	\$7,840.32
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404TP00-32B-4-000		M90	\$8,115.24
	59.0	40	24	12	3RW5226-1AC14	3143B-0404TP00-32B-4-002		M90	\$8,453.69
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504TP00-32B-4-000		M90	\$8,850.41
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604TP00-32B-4-000		M90	\$8,850.41
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754TP00-32B-4-000		M90	\$9,213.73
	103.0	40	24	12	3RW5235-6AC14	3143B-0754TP00-32B-4-002		M90	\$9,891.74
	117.0	40	24	12	3RW5236-6AC14	3143B-0754TP00-32B-4-003		M90	\$10,706.61
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004TP00-32B-4-000		M90	\$13,188.79
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254TP00-32B-4-000		M90	\$14,658.82
	180.0	60	36	12	3RW5244-6AC14	3143B-1504TP00-32B-4-000		M90	\$15,720.19
150	230.0	60	36	12	3RW5246-6AC14	3143B-1504TP00-32B-4-002		M90	\$17,952.24
	236.0	60	36	12	3RW5247-6AC14	3143B-1504TP00-32B-4-003		M90	\$19,590.31
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004TP00-32B-4-000		M90	\$20,856.49

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER
 VARIABLE FREQUENCY DRIVE
 APPENDIX

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0033RP00-24H-2-000	M90	\$6,255.94	
	15.9	36	24	10	3RW5514-1HA14	3044B-0033RP00-24H-2-002	M90	\$6,473.31	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0053RP00-24H-2-000	M90	\$6,697.35	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P53RP00-24H-2-002	M90	\$6,941.24	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0103RP00-24H-2-000	M90	\$7,245.96	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0153RP00-24H-2-000	M90	\$7,723.05	
20	55.5	40	24	12	3RW5525-1HA14	3044B-0203RP00-24H-2-000	M90	\$8,118.15	
	68	40	24	12	3RW5526-1HA14	3044B-0203RP00-24H-2-002	M90	\$8,480.90	
25	82.5	40	24	12	3RW5527-1HA14	3044B-0253RP00-24H-2-000	M90	\$9,053.51	
30	101	40	24	12	3RW5534-2HA14	3044B-0303RP00-24H-2-000	M90	\$9,554.08	
40	128	40	24	12	3RW5535-2HA14	3044B-0403RP00-24H-2-000	M90	\$10,508.33	
50	153	40	24	12	3RW5536-2HA14	3044B-0503RP00-24H-2-000	M90	\$11,570.51	
60	186	60	36	12	3RW5543-2HA14	3044B-0603RP00-24H-2-000	M90	\$14,350.97	
75	220	60	36	12	3RW5544-2HA14	3044B-0753RP00-24H-2-000	M90	\$16,172.02	
100	279	60	36	12	3RW5545-2HA14	3044B-1003RP00-24H-2-000	M90	\$18,424.61	
125	328	60	36	12	3RW5546-2HA14	3044B-1253RP00-24H-2-000	M90	\$22,753.70	
150	416	60	36	12	3RW5547-2HA14	3044B-1503RP00-24H-2-000	M90	\$24,996.14	
200	504	60	48	12	3RW5548-2HA14	3044B-2003RP00-24H-2-000	M90	\$29,330.81	
	561	60	48	12	3RW5552-6HA14	3044B-2003RP00-24H-2-002	M90	\$31,200.37	
250	641	60	48	12	3RW5553-6HA14	3044B-2503RP00-24H-2-000	M90	\$32,966.24	
300	748	60	48	12	3RW5554-6HA14	3044B-3003RP00-24H-2-000	M90	\$34,752.14	
400	979	60	48	12	3RW5556-6HA14	3044B-4003RP00-24H-2-000	M90	\$38,453.01	
450	1139	60	48	12	3RW5558-6HA14	3044B-4503RP00-24H-2-000	M90	\$47,002.17	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P53RP00-24H-4-000	M90	\$6,255.94	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0103RP00-24H-4-000	M90	\$6,473.31	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0153RP00-24H-4-000	M90	\$6,697.35	
	28.4	36	24	10	3RW5516-1HA14	3044B-0153RP00-24H-4-002	M90	\$6,941.24	
20	33.5	36	24	10	3RW5517-1HA14	3044B-0203RP00-24H-4-000	M90	\$7,245.96	
30	41.6	40	24	12	3RW5524-1HA14	3044B-0303RP00-24H-4-000	M90	\$7,723.05	
40	55.5	40	24	12	3RW5525-1HA14	3044B-0403RP00-24H-4-000	M90	\$8,118.15	
50	68	40	24	12	3RW5526-1HA14	3044B-0503RP00-24H-4-000	M90	\$8,480.90	
60	82.5	40	24	12	3RW5527-1HA14	3044B-0603RP00-24H-4-000	M90	\$9,053.51	
75	101	40	24	12	3RW5534-2HA14	3044B-0753RP00-24H-4-000	M90	\$9,554.08	
	128	40	24	12	3RW5535-2HA14	3044B-0753RP00-24H-4-002	M90	\$10,508.33	
100	153	40	24	12	3RW5536-2HA14	3044B-1003RP00-24H-4-000	M90	\$11,570.51	
150	186	60	36	12	3RW5543-2HA14	3044B-1503RP00-24H-4-000	M90	\$14,350.97	
	220	60	36	12	3RW5544-2HA14	3044B-1503RP00-24H-4-002	M90	\$16,172.02	
200	279	60	36	12	3RW5545-2HA14	3044B-2003RP00-24H-4-000	M90	\$18,424.61	
250	328	60	36	12	3RW5546-2HA14	3044B-2503RP00-24H-4-000	M90	\$22,753.70	
300	416	60	36	12	3RW5547-2HA14	3044B-3003RP00-24H-4-000	M90	\$24,996.14	
400	504	60	48	12	3RW5548-2HA14	3044B-4003RP00-24H-4-000	M90	\$29,330.81	
450	561	60	48	12	3RW5552-6HA14	3044B-4503RP00-24H-4-000	M90	\$31,200.37	
500	641	60	48	12	3RW5553-6HA14	3044B-5003RP00-24H-4-000	M90	\$32,966.24	
600	748	60	48	12	3RW5554-6HA14	3044B-6003RP00-24H-4-000	M90	\$34,752.14	
850	979	60	48	12	3RW5556-6HA14	3044B-8503RP00-24H-4-000	M90	\$38,453.01	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K03RP00-24H-4-000	M90	\$47,002.17	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0033RP00-24H-2-000		M90	\$6,514.45
5	15.9	36	24	10	3RW5514-1HA14	3144B-0053RP00-24H-2-000		M90	\$6,740.81
	22.3	36	24	10	3RW5515-1HA14	3144B-7P53RP00-24H-2-000		M90	\$6,974.10
7.5	27.2	36	24	10	3RW5516-1HA14	3144B-7P53RP00-24H-2-002		M90	\$7,228.05
	30.5	36	24	10	3RW5517-1HA14	3144B-0103RP00-24H-2-000		M90	\$7,545.39
15	41.6	40	24	12	3RW5524-1HA14	3144B-0153RP00-24H-2-000		M90	\$8,042.18
20	55.5	40	24	12	3RW5525-1HA14	3144B-0203RP00-24H-2-000		M90	\$8,453.59
25	68	40	24	12	3RW5526-1HA14	3144B-0253RP00-24H-2-000		M90	\$8,831.35
30	82.5	40	24	12	3RW5527-1HA14	3144B-0303RP00-24H-2-000		M90	\$9,427.62
	97	40	24	12	3RW5534-2HA14	3144B-0303RP00-24H-2-002		M90	\$9,948.89
40	113	40	24	12	3RW5535-2HA14	3144B-0403RP00-24H-2-000		M90	\$10,942.54
	126	40	24	12	3RW5536-2HA14	3144B-0403RP00-24H-2-002		M90	\$12,048.61
50	146	60	36	12	3RW5543-2HA14	3144B-0503RP00-24H-2-000		M90	\$14,943.99
60	180	60	36	12	3RW5544-2HA14	3144B-0603RP00-24H-2-002		M90	\$16,840.28
75	207	60	36	12	3RW5545-2HA14	3144B-0753RP00-24H-2-000		M90	\$19,185.96
	230	60	36	12	3RW5546-2HA14	3144B-0753RP00-24H-2-002		M90	\$23,693.93
100	254	60	36	12	3RW5547-2HA14	3144B-1003RP00-24H-2-000		M90	\$26,029.05
	262	60	36	12	3RW5548-2HA14	3144B-1003RP00-24H-2-002		M90	\$30,542.82
150	450	60	48	12	3RW5552-6HA14	3144B-1503RP00-24H-2-000		M90	\$32,489.65
	470	60	48	12	3RW5553-6HA14	3144B-1503RP00-24H-2-002		M90	\$34,328.46
200	520	60	48	12	3RW5554-6HA14	3144B-2003RP00-24H-2-000		M90	\$36,188.17
350	840	60	48	12	3RW5556-6HA14	3144B-3503RP00-24H-2-000		M90	\$40,041.97
400	900	60	48	12	3RW5558-6HA14	3144B-4003RP00-24H-2-000		M90	\$48,944.41

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P53RP00-24H-4-000	M90	\$6,514.45	
10	15.9	36	24	10	3RW5514-1HA14	3144B-0103RP00-24H-4-000	M90	\$6,740.81	
15	22.3	36	24	10	3RW5515-1HA14	3144B-0153RP00-24H-4-000	M90	\$6,974.10	
20	27.2	36	24	10	3RW5516-1HA14	3144B-0203RP00-24H-4-000	M90	\$7,228.05	
	30.5	36	24	10	3RW5517-1HA14	3144B-0203RP00-24H-4-002	M90	\$7,545.39	
30	41.6	40	24	12	3RW5524-1HA14	3144B-0303RP00-24H-4-000	M90	\$8,042.18	
40	55.5	40	24	12	3RW5525-1HA14	3144B-0403RP00-24H-4-000	M90	\$8,453.59	
50	68	40	24	12	3RW5526-1HA14	3144B-0503RP00-24H-4-000	M90	\$8,831.35	
60	82.5	40	24	12	3RW5527-1HA14	3144B-0603RP00-24H-4-000	M90	\$9,427.62	
75	97	40	24	12	3RW5534-2HA14	3144B-0753RP00-24H-4-000	M90	\$9,948.89	
	113	40	24	12	3RW5535-2HA14	3144B-0753RP00-24H-4-002	M90	\$10,942.54	
100	126	40	24	12	3RW5536-2HA14	3144B-1003RP00-24H-4-000	M90	\$12,048.61	
	146	60	36	12	3RW5543-2HA14	3144B-1003RP00-24H-4-002	M90	\$14,943.99	
125	180	60	36	12	3RW5544-2HA14	3144B-1253RP00-24H-4-000	M90	\$16,840.28	
150	207	60	36	12	3RW5545-2HA14	3144B-1503RP00-24H-4-000	M90	\$19,185.96	
	230	60	36	12	3RW5546-2HA14	3144B-1503RP00-24H-4-002	M90	\$23,693.93	
200	254	60	36	12	3RW5547-2HA14	3144B-2003RP00-24H-4-000	M90	\$26,029.05	
	262	60	36	12	3RW5548-2HA14	3144B-2003RP00-24H-4-002	M90	\$30,542.82	
350	450	60	48	12	3RW5552-6HA14	3144B-3503RP00-24H-4-000	M90	\$32,489.65	
	470	60	48	12	3RW5553-6HA14	3144B-3503RP00-24H-4-002	M90	\$34,328.46	
450	520	60	48	12	3RW5554-6HA14	3144B-4503RP00-24H-4-000	M90	\$36,188.17	
	840	60	48	12	3RW5556-6HA14	3144B-7003RP00-24H-4-000	M90	\$40,041.97	
750	900	60	48	12	3RW5558-6HA14	3144B-7503RP00-24H-4-000	M90	\$48,944.41	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 3R / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0033RP00-24H-2-000		M90	\$6,514.45
5	15.9	36	24	10	3RW5514-1HA14	3244B-0053RP00-24H-2-000		M90	\$6,740.81
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P53RP00-24H-2-000		M90	\$6,974.10
10	23.6	36	24	10	3RW5516-1HA14	3244B-0103RP00-24H-2-000		M90	\$7,228.05
	26.0	36	24	10	3RW5517-1HA14	3244B-0103RP00-24H-2-002		M90	\$7,545.39
15	38.0	40	24	12	3RW5524-1HA14	3244B-0103RP00-24H-2-003		M90	\$8,042.18
	48.0	40	24	12	3RW5525-1HA14	3244B-0153RP00-24H-2-000		M90	\$8,444.19
20	62	40	24	12	3RW5526-1HA14	3244B-0203RP00-24H-2-000		M90	\$8,834.37
25	75.5	40	24	12	3RW5527-1HA14	3244B-0253RP00-24H-2-000		M90	\$9,233.65
	81	40	24	12	3RW5534-2HA14	3244B-0253RP00-24H-2-002		M90	\$9,999.87
30	98	40	24	12	3RW5535-2HA14	3244B-0303RP00-24H-2-000		M90	\$10,942.54
40	105	40	24	12	3RW5536-2HA14	3244B-0403RP00-24H-2-000		M90	\$11,916.01
	122	60	36	12	3RW5543-2HA14	3244B-0403RP00-24H-2-002		M90	\$14,811.37
50	140	60	36	12	3RW5544-2HA14	3244B-0503RP00-24H-2-000		M90	\$16,325.80
	159	60	36	12	3RW5545-2HA14	3244B-0603RP00-24H-2-000		M90	\$18,517.16
60	174	60	36	12	3RW5546-2HA14	3244B-0603RP00-24H-2-002		M90	\$20,485.16
	190	60	36	12	3RW5547-2HA14	3244B-0603RP00-24H-2-003		M90	\$23,481.69
75	200	60	36	12	3RW5548-2HA14	3244B-0753RP00-24H-2-002		M90	\$27,802.79
125	340	60	48	12	3RW5552-6HA14	3244B-1253RP00-24H-2-000		M90	\$30,262.67
150	360	60	48	12	3RW5553-6HA14	3244B-1503RP00-24H-2-000		M90	\$34,128.41
	380	60	48	12	3RW5554-6HA14	3244B-1503RP00-24H-2-002		M90	\$35,988.12
250	670	60	48	12	3RW5556-6HA14	3244B-2503RP00-24H-2-000		M90	\$40,041.97
300	720	60	48	12	3RW5558-6HA14	3244B-3003RP00-24H-2-000		M90	\$44,062.60

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P53RP00-24H-4-000	M90	\$6,514.45	
10	15.9	36	24	10	3RW5514-1HA14	3244B-0103RP00-24H-4-000	M90	\$6,740.81	
	22.3	36	24	10	3RW5515-1HA14	3244B-0153RP00-24H-4-000	M90	\$6,974.10	
15	23.6	36	24	10	3RW5516-1HA14	3244B-0153RP00-24H-4-002	M90	\$7,228.05	
	26.0	36	24	10	3RW5517-1HA14	3244B-0153RP00-24H-4-003	M90	\$7,545.39	
25	38.0	40	24	12	3RW5524-1HA14	3244B-0253RP00-24H-4-000	M90	\$8,042.18	
30	48.0	40	24	12	3RW5525-1HA14	3244B-0303RP00-24H-4-000	M90	\$8,444.19	
40	62	40	24	12	3RW5526-1HA14	3244B-0403RP00-24H-4-000	M90	\$8,834.37	
50	75.5	40	24	12	3RW5527-1HA14	3244B-0503RP00-24H-4-000	M90	\$9,233.65	
60	81	40	24	12	3RW5534-2HA14	3244B-0603RP00-24H-4-000	M90	\$9,999.87	
	98	40	24	12	3RW5535-2HA14	3244B-0753RP00-24H-4-000	M90	\$10,942.54	
75	105	40	24	12	3RW5536-2HA14	3244B-0753RP00-24H-4-002	M90	\$11,916.01	
	122	60	36	12	3RW5543-2HA14	3244B-0753RP00-24H-4-003	M90	\$14,811.37	
100	140	60	36	12	3RW5544-2HA14	3244B-1003RP00-24H-4-000	M90	\$16,325.80	
125	159	60	36	12	3RW5545-2HA14	3244B-1253RP00-24H-4-000	M90	\$18,517.16	
	174	60	36	12	3RW5546-2HA14	3244B-1253RP00-24H-4-002	M90	\$20,485.16	
150	190	60	36	12	3RW5547-2HA14	3244B-1503RP00-24H-4-000	M90	\$23,481.69	
	200	60	36	12	3RW5548-2HA14	3244B-1503RP00-24H-4-002	M90	\$27,802.79	
250	340	60	48	12	3RW5552-6HA14	3244B-2503RP00-24H-4-000	M90	\$30,262.67	
300	360	60	48	12	3RW5553-6HA14	3244B-3003RP00-24H-4-000	M90	\$34,128.41	
	380	60	48	12	3RW5554-6HA14	3244B-3003RP00-24H-4-002	M90	\$34,128.41	
600	670	60	48	12	3RW5556-6HA14	3244B-6003RP00-24H-4-000	M90	\$40,041.97	
650	720	60	48	12	3RW5558-6HA14	3244B-6503RP00-24H-4-000	M90	\$44,062.60	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

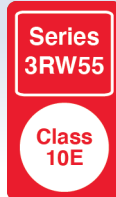
Warranty on pp. 149-152

Enclosure Information on p. 148



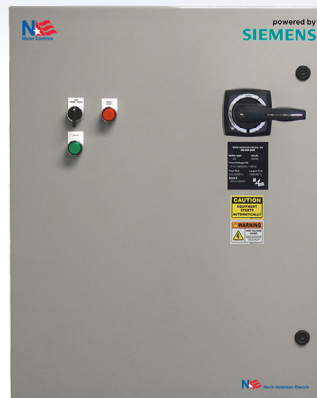
HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034TP00-24H-2-000	M90	\$5,817.86	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034TP00-24H-2-002	M90	\$6,035.23	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0054TP00-24H-2-000	M90	\$6,259.29	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P54TP00-24H-2-002	M90	\$6,503.15	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0104TP00-24H-2-000	M90	\$6,807.87	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0154TP00-24H-2-000	M90	\$7,275.51	
20	55.5	40	24	12	3RW5525-1HA14	3044B-0204TP00-24H-2-000	M90	\$7,670.61	
	68	40	24	12	3RW5526-1HA14	3044B-0204TP00-24H-2-002	M90	\$8,033.37	
25	82.5	40	24	12	3RW5527-1HA14	3044B-0254TP00-24H-2-000	M90	\$8,605.97	
30	101	40	24	12	3RW5534-2HA14	3044B-0304TP00-24H-2-000	M90	\$9,106.56	
40	128	40	24	12	3RW5535-2HA14	3044B-0404TP00-24H-2-002	M90	\$10,060.80	
50	153	40	24	12	3RW5536-2HA14	3044B-0504TP00-24H-2-000	M90	\$11,122.97	
60	186	60	36	12	3RW5543-2HA14	3044B-0604TP00-24H-2-000	M90	\$13,831.69	
75	220	60	36	12	3RW5544-2HA14	3044B-0754TP00-24H-2-002	M90	\$15,988.97	
100	279	60	36	12	3RW5545-2HA14	3044B-1004TP00-24H-2-000	M90	\$17,905.35	
125	328	60	36	12	3RW5546-2HA14	3044B-1254TP00-24H-2-000	M90	\$22,234.44	
150	416	60	36	12	3RW5547-2HA14	3044B-1504TP00-24H-2-000	M90	\$24,476.89	
200	504	60	36	12	3RW5548-2HA14	3044B-2004TP00-24H-2-000	M90	\$26,551.83	
	561	60	48	12	3RW5552-6HA14	3044B-2004TP00-24H-2-002	M90	\$30,495.03	
250	641	60	48	12	3RW5553-6HA14	3044B-2504TP00-24H-2-000	M90	\$32,260.90	
300	748	60	48	12	3RW5554-6HA14	3044B-3004TP00-24H-2-000	M90	\$34,046.82	
400	979	60	48	12	3RW5556-6HA14	3044B-4004TP00-24H-2-000	M90	\$37,747.68	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504TP00-24H-2-000	M90	\$46,296.83	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

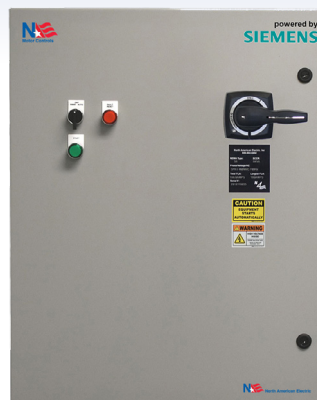
Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54TP00-24H-4-000	M90	\$5,817.86	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104TP00-24H-4-000	M90	\$6,035.23	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154TP00-24H-4-000	M90	\$6,259.29	
20	28.4	36	24	10	3RW5516-1HA14	3044B-0204TP00-24H-4-000	M90	\$6,503.15	
25	33.5	36	24	10	3RW5517-1HA14	3044B-0254TP00-24H-4-000	M90	\$6,807.87	
30	41.6	40	24	12	3RW5524-1HA14	3044B-0304TP00-24H-4-000	M90	\$7,275.51	
40	55.5	40	24	12	3RW5525-1HA14	3044B-0404TP00-24H-4-000	M90	\$7,670.61	
50	68	40	24	12	3RW5526-1HA14	3044B-0504TP00-24H-4-000	M90	\$8,033.37	
60	82.5	40	24	12	3RW5527-1HA14	3044B-0604TP00-24H-4-000	M90	\$8,605.97	
75	101	40	24	12	3RW5534-2HA14	3044B-0754TP00-24H-4-000	M90	\$9,106.56	
	128	40	24	12	3RW5535-2HA14	3044B-0754TP00-24H-4-002	M90	\$10,060.80	
100	153	40	24	12	3RW5536-2HA14	3044B-1004TP00-24H-4-000	M90	\$11,122.97	
150	186	60	36	12	3RW5543-2HA14	3044B-1504TP00-24H-4-000	M90	\$13,831.69	
	220	60	36	12	3RW5544-2HA14	3044B-1504TP00-24H-4-002	M90	\$15,652.75	
200	279	60	36	12	3RW5545-2HA14	3044B-2004TP00-24H-4-000	M90	\$17,905.35	
250	328	60	36	12	3RW5546-2HA14	3044B-2504TP00-24H-4-000	M90	\$22,234.44	
300	416	60	36	12	3RW5547-2HA14	3044B-3004TP00-24H-4-000	M90	\$24,476.89	
400	504	60	36	12	3RW5548-2HA14	3044B-4004TP00-24H-4-000	M90	\$28,625.47	
450	561	60	48	12	3RW5552-6HA14	3044B-4504TP00-24H-4-000	M90	\$30,495.03	
500	641	60	48	12	3RW5553-6HA14	3044B-5004TP00-24H-4-000	M90	\$32,260.90	
600	748	60	48	12	3RW5554-6HA14	3044B-6004TP00-24H-4-000	M90	\$34,046.82	
850	979	60	48	12	3RW5556-6HA14	3044B-8504TP00-24H-4-000	M90	\$37,747.68	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04TP00-24H-4-000	M90	\$46,296.83	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



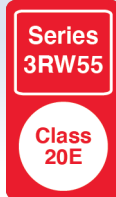
SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series

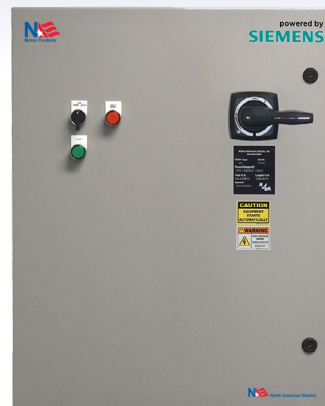


Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034TP00-24H-2-000		M90	\$6,058.28
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054TP00-24H-2-000		M90	\$6,284.62
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P54TP00-24H-2-000		M90	\$6,517.94
	27.2	36	24	10	3RW5516-1HA14	3144B-7P54TP00-24H-2-002		M90	\$6,771.88
10	30.5	36	24	10	3RW5517-1HA14	3144B-0104TP00-24H-2-000		M90	\$7,089.20
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154TP00-24H-2-000		M90	\$7,576.16
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204TP00-24H-2-000		M90	\$7,987.58
25	68	40	24	12	3RW5526-1HA14	3144B-0254TP00-24H-2-000		M90	\$8,365.33
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304TP00-24H-2-000		M90	\$8,961.60
	97	40	24	12	3RW5534-2HA14	3144B-0304TP00-24H-2-002		M90	\$9,482.87
40	113	40	24	12	3RW5535-2HA14	3144B-0404TP00-24H-2-000		M90	\$10,476.53
	126	40	24	12	3RW5536-2HA14	3144B-0404TP00-24H-2-002		M90	\$11,582.59
50	146	60	36	12	3RW5543-2HA14	3144B-0504TP00-24H-2-000		M90	\$14,403.27
60	180	60	36	12	3RW5544-2HA14	3144B-0604TP00-24H-2-002		M90	\$16,649.68
	207	60	36	12	3RW5545-2HA14	3144B-0754TP00-24H-2-000		M90	\$17,976.42
75	230	60	36	12	3RW5546-2HA14	3144B-0754TP00-24H-2-002		M90	\$20,613.25
	254	60	36	12	3RW5547-2HA14	3144B-1004TP00-24H-2-000		M90	\$25,488.32
100	262	60	36	12	3RW5548-2HA14	3144B-1004TP00-24H-2-002		M90	\$27,068.32
	450	60	48	12	3RW5552-6HA14	3144B-1504TP00-24H-2-000		M90	\$31,755.17
150	470	60	48	12	3RW5553-6HA14	3144B-1504TP00-24H-2-002		M90	\$33,594.02
	520	60	48	12	3RW5554-6HA14	3144B-2004TP00-24H-2-000		M90	\$35,453.72
350	840	60	48	12	3RW5556-6HA14	3144B-3504TP00-24H-2-000		M90	\$39,307.51
400	900	60	48	12	3RW5558-6HA14	3144B-4004TP00-24H-2-000		M90	\$41,424.37

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54TP00-24H-4-000		M90	\$6,058.28
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104TP00-24H-4-000		M90	\$6,284.62
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154TP00-24H-4-000		M90	\$6,517.94
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204TP00-24H-4-000		M90	\$6,771.88
	30.5	36	24	10	3RW5517-1HA14	3144B-0204TP00-24H-4-002		M90	\$7,089.20
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304TP00-24H-4-000		M90	\$7,576.16
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404TP00-24H-4-000		M90	\$7,987.58
50	68	40	24	12	3RW5526-1HA14	3144B-0504TP00-24H-4-000		M90	\$8,365.33
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604TP00-24H-4-000		M90	\$8,961.60
75	97	40	24	12	3RW5534-2HA14	3144B-0754TP00-24H-4-000		M90	\$9,482.87
	113	40	24	12	3RW5535-2HA14	3144B-0754TP00-24H-4-002		M90	\$10,476.53
100	129	40	24	12	3RW5536-2HA14	3144B-1004TP00-24H-4-000		M90	\$11,582.59
	146	60	36	12	3RW5543-2HA14	3144B-1004TP00-24H-4-002		M90	\$14,403.27
150	180	60	36	12	3RW5544-2HA14	3144B-1504TP00-24H-4-000		M90	\$16,649.68
	207	60	36	12	3RW5545-2HA14	3144B-1504TP00-24H-4-002		M90	\$17,976.42
200	230	60	36	12	3RW5546-2HA14	3144B-1504TP00-24H-4-003		M90	\$20,613.25
	254	60	36	12	3RW5547-2HA14	3144B-2004TP00-24H-4-000		M90	\$25,488.32
350	262	60	36	12	3RW5548-2HA14	3144B-2004TP00-24H-4-002		M90	\$27,068.32
	450	60	48	12	3RW5552-6HA14	3144B-3504TP00-24H-4-000		M90	\$31,755.17
450	470	60	48	12	3RW5553-6HA14	3144B-3504TP00-24H-4-002		M90	\$33,594.02
	520	60	48	12	3RW5554-6HA14	3144B-4504TP00-24H-4-000		M90	\$35,453.72
700	840	60	48	12	3RW5556-6HA14	3144B-7004TP00-24H-4-000		M90	\$39,307.51
750	900	60	48	12	3RW5558-6HA14	3144B-7504TP00-24H-4-000		M90	\$41,424.37

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 600 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series

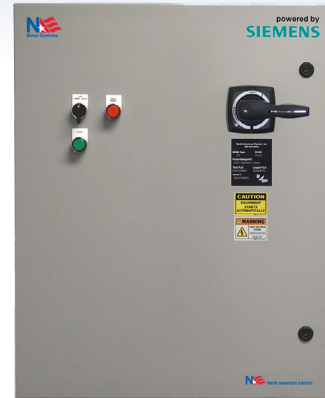


Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 600 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 600 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54TP00-24H-4-000		M90	\$6,058.28
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104TP00-24H-4-000		M90	\$6,284.62
	22.3	36	24	10	3RW5515-1HA14	3244B-0154TP00-24H-4-000		M90	\$6,517.94
15	23.6	36	24	10	3RW5516-1HA14	3244B-0154TP00-24H-4-002		M90	\$6,771.88
	26.0	36	24	10	3RW5517-1HA14	3244B-0154TP00-24H-4-003		M90	\$7,089.20
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254TP00-24H-4-000		M90	\$7,581.32
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304TP00-24H-4-000		M90	\$7,978.15
40	62	40	24	12	3RW5526-1HA14	3244B-0404TP00-24H-4-000		M90	\$8,368.35
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504TP00-24H-4-000		M90	\$8,767.62
60	81	40	24	12	3RW5534-2HA14	3244B-0604TP00-24H-4-000		M90	\$9,533.82
	98	40	24	12	3RW5535-2HA14	3244B-0754TP00-24H-4-000		M90	\$10,476.53
75	105	40	24	12	3RW5536-2HA14	3244B-0754TP00-24H-4-002		M90	\$11,450.00
	122	60	36	12	3RW5543-2HA14	3244B-0754TP00-24H-4-003		M90	\$14,270.66
100	140	60	36	12	3RW5544-2HA14	3244B-1004TP00-24H-4-000		M90	\$15,785.08
125	159	60	36	12	3RW5545-2HA14	3244B-1254TP00-24H-4-000		M90	\$17,976.42
	174	60	36	12	3RW5546-2HA14	3244B-1254TP00-24H-4-002		M90	\$19,944.44
150	190	60	36	12	3RW5547-2HA14	3244B-1504TP00-24H-4-000		M90	\$22,940.98
	200	60	36	12	3RW5548-2HA14	3244B-1504TP00-24H-4-002		M90	\$27,068.32
250	340	60	48	12	3RW5552-6HA14	3244B-2504TP00-24H-4-000		M90	\$29,528.19
	360	60	48	12	3RW5553-6HA14	3244B-3004TP00-24H-4-000		M90	\$33,393.95
300	380	60	48	12	3RW5554-6HA14	3244B-3004TP00-24H-4-002		M90	\$35,253.67
	670	60	48	12	3RW5556-6HA14	3244B-5504TP00-24H-4-000		M90	\$39,307.51
600	720	60	48	12	3RW5558-6HA14	3244B-6004TP00-24H-4-000		M90	\$41,168.80

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034TP00-24H-2-000		M90	\$6,058.28
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054TP00-24H-2-000		M90	\$6,284.62
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54TP00-24H-2-000		M90	\$6,517.94
	23.6	36	24	10	3RW5516-1HA14	3244B-0104TP00-24H-2-000		M90	\$6,771.88
10	26.0	36	24	10	3RW5517-1HA14	3244B-0104TP00-24H-2-002		M90	\$7,089.20
	38.0	40	24	12	3RW5524-1HA14	3244B-0104TP00-24H-2-003		M90	\$7,581.32
15	48.0	40	24	12	3RW5525-1HA14	3244B-0154TP00-24H-2-000		M90	\$7,978.15
20	62	40	24	12	3RW5526-1HA14	3244B-0204TP00-24H-2-000		M90	\$8,368.35
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254TP00-24H-2-000		M90	\$8,767.62
	81	40	24	12	3RW5534-2HA14	3244B-0254TP00-24H-2-002		M90	\$9,533.82
30	98	40	24	12	3RW5535-2HA14	3244B-0304TP00-24H-2-000		M90	\$10,476.53
40	105	40	24	12	3RW5536-2HA14	3244B-0404TP00-24H-2-000		M90	\$11,450.00
	122	60	36	12	3RW5543-2HA14	3244B-0404TP00-24H-2-002		M90	\$14,270.66
50	140	60	36	12	3RW5544-2HA14	3244B-0504TP00-24H-2-000		M90	\$15,785.08
	159	60	36	12	3RW5545-2HA14	3244B-0604TP00-24H-2-000		M90	\$17,976.42
60	174	60	36	12	3RW5546-2HA14	3244B-0604TP00-24H-2-002		M90	\$19,944.44
	190	60	36	12	3RW5547-2HA14	3244B-0604TP00-24H-2-003		M90	\$22,940.98
75	200	60	36	12	3RW5548-2HA14	3244B-0754TP00-24H-2-002		M90	\$27,068.32
125	340	60	48	12	3RW5552-6HA14	3244B-1254TP00-24H-2-000		M90	\$29,528.19
150	360	60	48	12	3RW5553-6HA14	3244B-1504TP00-24H-2-000		M90	\$33,393.95
	380	60	48	12	3RW5554-6HA14	3244B-1504TP00-24H-2-002		M90	\$35,253.67
250	670	60	48	12	3RW5556-6HA14	3244B-2504TP00-24H-2-000		M90	\$39,307.51
300	720	60	48	12	3RW5558-6HA14	3244B-3004TP00-24H-2-000		M90	\$41,168.80

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

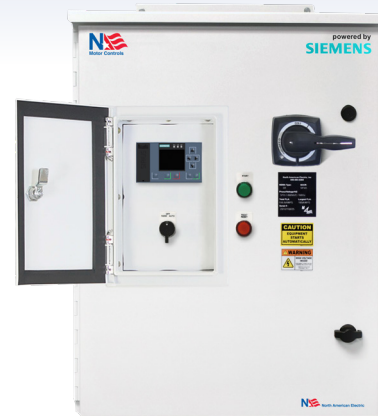
HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0033RP00-32B-2-000		M90	\$7,173.23
	15.9	36	24	10	3RW5514-1HA14	3044B-0033RP00-32B-2-002		M90	\$7,390.60
5	22.3	36	24	10	3RW5515-1HA14	3044B-0053RP00-32B-2-000		M90	\$7,614.65
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P53RP00-32B-2-000		M90	\$7,858.53
10	33.5	36	24	10	3RW5517-1HA14	3044B-0103RP00-32B-2-000		M90	\$8,163.25
15	41.6	40	24	12	3RW5524-1HA14	3044B-0153RP00-32B-2-000		M90	\$8,640.35
					3RW5525-1HA14	3044B-0203RP00-32B-2-000		M90	\$9,035.45
20	68	40	24	12	3RW5526-1HA14	3044B-0203RP00-32B-2-002		M90	\$9,398.19
					3RW5527-1HA14	3044B-0253RP00-32B-2-000		M90	\$9,970.79
25	82.5	40	24	12	3RW5534-2HA14	3044B-0303RP00-32B-2-000		M90	\$10,471.37
30	101	40	24	12	3RW5535-2HA14	3044B-0403RP00-32B-2-000		M90	\$11,425.63
40	128	40	24	12	3RW5536-2HA14	3044B-0503RP00-32B-2-000		M90	\$12,487.80
50	153	40	24	12	3RW5543-2HA14	3044B-0603RP00-32B-2-000		M90	\$15,268.25
60	186	60	36	12	3RW5544-2HA14	3044B-0753RP00-32B-2-000		M90	\$17,089.32
75	220	60	36	12	3RW5545-2HA14	3044B-1003RP00-32B-2-000		M90	\$19,341.89
100	279	60	36	12	3RW5546-2HA14	3044B-1253RP00-32B-2-000		M90	\$23,670.99
150	416	60	36	12	3RW5547-2HA14	3044B-1503RP00-32B-2-000		M90	\$25,913.43
					3RW5548-2HA14	3044B-2003RP00-32B-2-000		M90	\$30,248.11
200	561	60	48	12	3RW5552-6HA14	3044B-2003RP00-32B-2-002		M90	\$32,117.66
					3RW5553-6HA14	3044B-2503RP00-32B-2-000		M90	\$33,883.53
250	641	60	48	12	3RW5554-6HA14	3044B-3003RP00-32B-2-000		M90	\$35,669.43
300	748	60	48	12	3RW5556-6HA14	3044B-4003RP00-32B-2-000		M90	\$39,370.31
400	979	60	48	12	3RW5558-6HA14	3044B-4503RP00-32B-2-000		M90	\$47,919.46

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P53RP00-32B-4-000		M90	\$7,173.23
10	15.9	36	24	10	3RW5514-1HA14	3044B-0103RP00-32B-4-000		M90	\$7,390.60
15	22.3	36	24	10	3RW5515-1HA14	3044B-0153RP00-32B-4-000		M90	\$7,614.65
15	28.4	36	24	10	3RW5516-1HA14	3044B-0153RP00-32B-4-002		M90	\$7,858.53
20	33.5	36	24	10	3RW5517-1HA14	3044B-0203RP00-32B-4-000		M90	\$8,163.25
30	41.6	40	24	12	3RW5524-1HA14	3044B-0303RP00-32B-4-000		M90	\$8,640.35
40	55.5	40	24	12	3RW5525-1HA14	3044B-0403RP00-32B-4-000		M90	\$9,035.45
50	68	40	24	12	3RW5526-1HA14	3044B-0503RP00-32B-4-000		M90	\$9,398.19
60	82.5	40	24	12	3RW5527-1HA14	3044B-0603RP00-32B-4-000		M90	\$9,970.79
75	101	40	24	12	3RW5534-2HA14	3044B-0753RP00-32B-4-000		M90	\$10,471.37
	128	40	24	12	3RW5535-2HA14	3044B-0753RP00-32B-4-002		M90	\$11,425.63
100	153	40	24	12	3RW5536-2HA14	3044B-1003RP00-32B-4-000		M90	\$12,487.80
150	186	60	36	12	3RW5543-2HA14	3044B-1503RP00-32B-4-000		M90	\$15,268.25
	220	60	36	12	3RW5544-2HA14	3044B-1503RP00-32B-4-002		M90	\$17,089.32
200	279	60	36	12	3RW5545-2HA14	3044B-2003RP00-32B-4-000		M90	\$19,341.89
250	328	60	36	12	3RW5546-2HA14	3044B-2503RP00-32B-4-000		M90	\$23,670.99
300	416	60	36	12	3RW5547-2HA14	3044B-3003RP00-32B-4-000		M90	\$25,913.43
400	504	60	48	12	3RW5548-2HA14	3044B-4003RP00-32B-4-000		M90	\$30,248.11
450	561	60	48	12	3RW5552-6HA14	3044B-4503RP00-32B-4-000		M90	\$32,117.66
500	641	60	48	12	3RW5553-6HA14	3044B-5003RP00-32B-4-000		M90	\$33,883.53
600	748	60	48	12	3RW5554-6HA14	3044B-6003RP00-32B-4-000		M90	\$35,669.43
850	979	60	48	12	3RW5556-6HA14	3044B-8503RP00-32B-4-000		M90	\$39,370.31
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K03RP00-32B-4-000		M90	\$47,919.46

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0033RP00-32B-2-000		M90	\$7,469.65
5	15.9	36	24	10	3RW5514-1HA14	3144B-0053RP00-32B-2-000		M90	\$7,696.01
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P53RP00-32B-2-000		M90	\$7,929.32
	27.2	36	24	10	3RW5516-1HA14	3144B-7P53RP00-32B-2-002		M90	\$8,183.26
10	30.5	36	24	10	3RW5517-1HA14	3144B-0103RP00-32B-2-000		M90	\$8,500.57
15	41.6	40	24	12	3RW5524-1HA14	3144B-0153RP00-32B-2-000		M90	\$8,997.39
20	55.5	40	24	12	3RW5525-1HA14	3144B-0203RP00-32B-2-000		M90	\$9,408.80
25	68	40	24	12	3RW5526-1HA14	3144B-0253RP00-32B-2-000		M90	\$9,786.56
30	82.5	40	24	12	3RW5527-1HA14	3144B-0303RP00-32B-2-000		M90	\$10,382.80
	97	40	24	12	3RW5534-2HA14	3144B-0303RP00-32B-2-002		M90	\$10,904.06
40	113	40	24	12	3RW5535-2HA14	3144B-0403RP00-32B-2-000		M90	\$11,897.76
	126	40	24	12	3RW5536-2HA14	3144B-0403RP00-32B-2-002		M90	\$13,003.81
50	146	60	36	12	3RW5543-2HA14	3144B-0503RP00-32B-2-000		M90	\$15,899.18
60	180	60	36	12	3RW5544-2HA14	3144B-0603RP00-32B-2-000		M90	\$17,795.46
75	207	60	36	12	3RW5545-2HA14	3144B-0753RP00-32B-2-000		M90	\$20,141.16
	230	60	36	12	3RW5546-2HA14	3144B-0753RP00-32B-2-002		M90	\$24,649.13
100	254	60	36	12	3RW5547-2HA14	3144B-1003RP00-32B-2-000		M90	\$26,984.23
	262	60	36	12	3RW5548-2HA14	3144B-1003RP00-32B-2-002		M90	\$31,498.03
150	450	60	48	12	3RW5552-6HA14	3144B-1503RP00-32B-2-000		M90	\$33,444.84
	470	60	48	12	3RW5553-6HA14	3144B-1503RP00-32B-2-002		M90	\$35,283.66
200	520	60	48	12	3RW5554-6HA14	3144B-2003RP00-32B-2-000		M90	\$37,143.38
350	840	60	48	12	3RW5556-6HA14	3144B-3503RP00-32B-2-000		M90	\$40,997.18
400	900	60	48	12	3RW5558-6HA14	3144B-4003RP00-32B-2-000		M90	\$49,899.58

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P53RP00-32B-4-000		M90	\$7,469.65
10	15.9	36	24	10	3RW5514-1HA14	3144B-0103RP00-32B-4-000		M90	\$7,696.01
15	22.3	36	24	10	3RW5515-1HA14	3144B-0153RP00-32B-4-000		M90	\$7,929.32
20	27.2	36	24	10	3RW5516-1HA14	3144B-0203RP00-32B-4-000		M90	\$8,183.26
	30.5	36	24	10	3RW5517-1HA14	3144B-0203RP00-32B-4-002		M90	\$8,500.57
30	41.6	40	24	12	3RW5524-1HA14	3144B-0303RP00-32B-4-000		M90	\$8,997.39
40	55.5	40	24	12	3RW5525-1HA14	3144B-0403RP00-32B-4-000		M90	\$9,408.80
50	68	40	24	12	3RW5526-1HA14	3144B-0503RP00-32B-4-000		M90	\$9,786.56
60	82.5	40	24	12	3RW5527-1HA14	3144B-0603RP00-32B-4-000		M90	\$10,382.80
75	97	40	24	12	3RW5534-2HA14	3144B-0753RP00-32B-4-000		M90	\$10,904.06
	113	40	24	12	3RW5535-2HA14	3144B-0753RP00-32B-4-002		M90	\$11,897.76
100	126	40	24	12	3RW5536-2HA14	3144B-1003RP00-32B-4-000		M90	\$13,003.81
	146	60	36	12	3RW5543-2HA14	3144B-1003RP00-32B-4-002		M90	\$15,899.18
125	180	60	36	12	3RW5544-2HA14	3144B-1253RP00-32B-4-000		M90	\$17,795.46
150	207	60	36	12	3RW5545-2HA14	3144B-1503RP00-32B-4-000		M90	\$20,141.16
	230	60	36	12	3RW5546-2HA14	3144B-1503RP00-32B-4-002		M90	\$24,649.13
200	254	60	36	12	3RW5547-2HA14	3144B-2003RP00-32B-4-000		M90	\$26,984.23
	262	60	36	12	3RW5548-2HA14	3144B-2003RP00-32B-4-002		M90	\$31,498.03
350	450	60	48	12	3RW5552-6HA14	3144B-3503RP00-32B-4-000		M90	\$33,444.84
	470	60	48	12	3RW5553-6HA14	3144B-3503RP00-32B-4-002		M90	\$35,283.66
450	520	60	48	12	3RW5554-6HA14	3144B-4503RP00-32B-4-000		M90	\$37,143.38
700	840	60	48	12	3RW5556-6HA14	3144B-7003RP00-32B-4-000		M90	\$40,997.18
750	900	60	48	12	3RW5558-6HA14	3144B-7503RP00-32B-4-000		M90	\$49,899.58

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3344B-0033RP00-32B-2-000		M90	\$7,469.65
5	15.9	36	24	10	3RW5514-1HA14	3344B-0053RP00-32B-2-000		M90	\$7,696.01
7.5	22.3	36	24	10	3RW5515-1HA14	3344B-7P53RP00-32B-2-000		M90	\$7,929.32
10	23.6	36	24	10	3RW5516-1HA14	3344B-0103RP00-32B-2-000		M90	\$8,183.26
	26.0	36	24	10	3RW5517-1HA14	3344B-0103RP00-32B-2-002		M90	\$8,500.57
15	38.0	40	24	12	3RW5524-1HA14	3344B-0103RP00-32B-2-003		M90	\$8,997.39
	48.0	40	24	12	3RW5525-1HA14	3344B-0153RP00-32B-2-000		M90	\$9,399.39
20	62	40	24	12	3RW5526-1HA14	3344B-0203RP00-32B-2-000		M90	\$9,789.57
25	75.5	40	24	12	3RW5527-1HA14	3344B-0253RP00-32B-2-000		M90	\$10,188.83
	81	40	24	12	3RW5534-2HA14	3344B-0253RP00-32B-2-002		M90	\$10,955.06
30	98	40	24	12	3RW5535-2HA14	3344B-0303RP00-32B-2-000		M90	\$11,897.76
40	105	40	24	12	3RW5536-2HA14	3344B-0403RP00-32B-2-000		M90	\$12,871.20
	122	60	36	12	3RW5543-2HA14	3344B-0403RP00-32B-2-002		M90	\$15,766.56
50	140	60	36	12	3RW5544-2HA14	3344B-0503RP00-32B-2-000		M90	\$17,281.01
60	159	60	36	12	3RW5545-2HA14	3344B-0603RP00-32B-2-000		M90	\$19,472.33
	174	60	36	12	3RW5546-2HA14	3344B-0603RP00-32B-2-002		M90	\$21,440.35
	190	60	36	12	3RW5547-2HA14	3344B-0603RP00-32B-2-003		M90	\$24,436.89
75	200	60	36	12	3RW5548-2HA14	3344B-0753RP00-32B-2-002		M90	\$28,758.00
125	340	60	48	12	3RW5552-6HA14	3344B-1253RP00-32B-2-000		M90	\$31,217.87
150	360	60	48	12	3RW5553-6HA14	3344B-1503RP00-32B-2-000		M90	\$35,083.62
	380	60	48	12	3RW5554-6HA14	3344B-1503RP00-32B-2-002		M90	\$36,943.33
250	670	60	48	12	3RW5556-6HA14	3344B-2503RP00-32B-2-000		M90	\$40,997.18
300	720	60	48	12	3RW5558-6HA14	3344B-3003RP00-32B-2-000		M90	\$45,017.81

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 3R / Siemens 3RW55 Soft Starter
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3344B-7P53RP00-32B-4-000	M90	\$7,469.65	
10	15.9	36	24	10	3RW5514-1HA14	3344B-0103RP00-32B-4-000	M90	\$7,696.01	
	22.3	36	24	10	3RW5515-1HA14	3344B-0153RP00-32B-4-000	M90	\$7,929.32	
15	23.6	36	24	10	3RW5516-1HA14	3344B-0153RP00-32B-4-002	M90	\$8,183.26	
	26.0	36	24	10	3RW5517-1HA14	3344B-0153RP00-32B-4-003	M90	\$8,500.57	
25	38.0	40	24	12	3RW5524-1HA14	3344B-0253RP00-32B-4-000	M90	\$8,997.39	
30	48.0	40	24	12	3RW5525-1HA14	3344B-0303RP00-32B-4-000	M90	\$9,399.39	
40	62	40	24	12	3RW5526-1HA14	3344B-0403RP00-32B-4-000	M90	\$9,789.57	
50	75.5	40	24	12	3RW5527-1HA14	3344B-0503RP00-32B-4-000	M90	\$10,188.83	
60	81	40	24	12	3RW5534-2HA14	3344B-0603RP00-32B-4-000	M90	\$10,955.06	
	98	40	24	12	3RW5535-2HA14	3344B-0753RP00-32B-4-000	M90	\$11,897.76	
75	105	40	24	12	3RW5536-2HA14	3344B-0753RP00-32B-4-002	M90	\$12,871.20	
	122	60	36	12	3RW5543-2HA14	3344B-0753RP00-32B-4-003	M90	\$15,766.56	
100	140	60	36	12	3RW5544-2HA14	3344B-1003RP00-32B-4-000	M90	\$17,281.01	
	159	60	36	12	3RW5545-2HA14	3344B-1253RP00-32B-4-000	M90	\$19,472.33	
125	174	60	36	12	3RW5546-2HA14	3344B-1253RP00-32B-4-002	M90	\$21,440.35	
	190	60	36	12	3RW5547-2HA14	3344B-1503RP00-32B-4-000	M90	\$24,436.89	
150	200	60	36	12	3RW5548-2HA14	3344B-1503RP00-32B-4-002	M90	\$28,758.00	
	340	60	48	12	3RW5552-6HA14	3344B-2503RP00-32B-4-000	M90	\$31,217.87	
300	360	60	48	12	3RW5553-6HA14	3344B-3003RP00-32B-4-000	M90	\$35,083.62	
	380	60	48	12	3RW5554-6HA14	3344B-3003RP00-32B-4-002	M90	\$36,943.33	
600	670	60	48	12	3RW5556-6HA14	3344B-6003RP00-32B-4-000	M90	\$40,997.18	
650	720	60	48	12	3RW5558-6HA14	3344B-6503RP00-32B-4-000	M90	\$45,017.81	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



powered by SIEMENS



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 450 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034TP00-32B-2-000	M90	\$6,735.15	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034TP00-32B-2-002	M90	\$6,952.52	
5	22.3	36	24	10	3RW5515-1HA14	3044B-0054TP00-32B-2-000	M90	\$7,176.58	
7.5	28.4	36	24	10	3RW5516-1HA14	3044B-7P54TP00-32B-2-002	M90	\$7,420.44	
10	33.5	36	24	10	3RW5517-1HA14	3044B-0104TP00-32B-2-000	M90	\$7,725.17	
15	41.6	40	24	12	3RW5524-1HA14	3044B-0154TP00-32B-2-000	M90	\$8,192.80	
20	55.5	40	24	12	3RW5525-1HA14	3044B-0204TP00-32B-2-000	M90	\$8,587.91	
	68	40	24	12	3RW5526-1HA14	3044B-0204TP00-32B-2-002	M90	\$8,950.67	
25	82.5	40	24	12	3RW5527-1HA14	3044B-0254TP00-32B-2-000	M90	\$9,523.26	
30	101	40	24	12	3RW5534-2HA14	3044B-0304TP00-32B-2-000	M90	\$10,023.84	
40	128	40	24	12	3RW5535-2HA14	3044B-0404TP00-32B-2-000	M90	\$10,978.09	
50	153	40	24	12	3RW5536-2HA14	3044B-0504TP00-32B-2-000	M90	\$12,040.27	
60	186	60	36	12	3RW5543-2HA14	3044B-0604TP00-32B-2-000	M90	\$14,748.99	
75	220	60	36	12	3RW5544-2HA14	3044B-0754TP00-32B-2-000	M90	\$16,906.26	
100	279	60	36	12	3RW5545-2HA14	3044B-1004TP00-32B-2-000	M90	\$18,822.65	
125	328	60	36	12	3RW5546-2HA14	3044B-1254TP00-32B-2-000	M90	\$23,151.73	
150	416	60	36	12	3RW5547-2HA14	3044B-1504TP00-32B-2-000	M90	\$25,394.17	
200	504	60	36	12	3RW5548-2HA14	3044B-2004TP00-32B-2-000	M90	\$27,469.12	
	561	60	48	12	3RW5552-6HA14	3044B-2004TP00-32B-2-002	M90	\$31,412.34	
250	641	60	48	12	3RW5553-6HA14	3044B-2504TP00-32B-2-000	M90	\$33,178.19	
300	748	60	48	12	3RW5554-6HA14	3044B-3004TP00-32B-2-000	M90	\$34,964.11	
400	979	60	48	12	3RW5556-6HA14	3044B-4004TP00-32B-2-000	M90	\$38,664.98	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504TP00-32B-2-000	M90	\$47,214.13	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

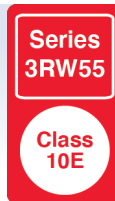
Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Normal Starting (Class 10E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54TP00-32B-4-000	M90	\$6,735.15	
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104TP00-32B-4-000	M90	\$6,952.52	
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154TP00-32B-4-000	M90	\$7,176.58	
15	28.4	36	24	10	3RW5516-1HA14	3044B-0154TP00-32B-4-002	M90	\$7,420.44	
20	33.5	36	24	10	3RW5517-1HA14	3044B-0204TP00-32B-4-000	M90	\$7,725.17	
30	41.6	40	24	12	3RW5524-1HA14	3044B-0304TP00-32B-4-000	M90	\$8,192.80	
40	55.5	40	24	12	3RW5525-1HA14	3044B-0404TP00-32B-4-000	M90	\$8,587.91	
50	68	40	24	12	3RW5526-1HA14	3044B-0504TP00-32B-4-000	M90	\$8,950.67	
60	82.5	40	24	12	3RW5527-1HA14	3044B-0604TP00-32B-4-000	M90	\$9,523.26	
75	101	40	24	12	3RW5534-2HA14	3044B-0754TP00-32B-4-000	M90	\$10,023.84	
	128	40	24	12	3RW5535-2HA14	3044B-0754TP00-32B-4-002	M90	\$10,978.09	
100	153	40	24	12	3RW5536-2HA14	3044B-1004TP00-32B-4-000	M90	\$12,040.27	
150	186	60	36	12	3RW5543-2HA14	3044B-1504TP00-32B-4-000	M90	\$14,748.99	
	220	60	36	12	3RW5544-2HA14	3044B-1504TP00-32B-4-002	M90	\$16,570.04	
200	279	60	36	12	3RW5545-2HA14	3044B-2004TP00-32B-4-000	M90	\$18,822.65	
250	328	60	36	12	3RW5546-2HA14	3044B-2504TP00-32B-4-000	M90	\$23,151.73	
300	416	60	36	12	3RW5547-2HA14	3044B-3004TP00-32B-4-000	M90	\$25,394.17	
400	504	60	36	12	3RW5548-2HA14	3044B-4004TP00-32B-4-000	M90	\$29,542.77	
450	561	60	48	12	3RW5552-6HA14	3044B-4504TP00-32B-4-000	M90	\$31,412.34	
500	641	60	48	12	3RW5553-6HA14	3044B-5004TP00-32B-4-000	M90	\$33,178.19	
600	748	60	48	12	3RW5554-6HA14	3044B-6004TP00-32B-4-000	M90	\$34,964.11	
850	979	60	48	12	3RW5556-6HA14	3044B-8504TP00-32B-4-000	M90	\$38,664.98	
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04TP00-32B-4-000	M90	\$47,214.13	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 400 HP ratings in stock
- Fully gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034TP00-32B-2-000		M90	\$7,013.46
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054TP00-32B-2-000		M90	\$7,239.82
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P54TP00-32B-2-000		M90	\$7,473.11
	27.2	36	24	10	3RW5516-1HA14	3144B-7P54TP00-32B-2-002		M90	\$7,727.09
10	30.5	36	24	10	3RW5517-1HA14	3144B-0104TP00-32B-2-000		M90	\$8,044.41
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154TP00-32B-2-000		M90	\$8,531.34
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204TP00-32B-2-000		M90	\$8,942.78
25	68	40	24	12	3RW5526-1HA14	3144B-0254TP00-32B-2-000		M90	\$9,320.51
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304TP00-32B-2-000		M90	\$9,916.78
	97	40	24	12	3RW5534-2HA14	3144B-0304TP00-32B-2-002		M90	\$10,438.05
40	113	40	24	12	3RW5535-2HA14	3144B-0404TP00-32B-2-000		M90	\$11,431.74
	126	40	24	12	3RW5536-2HA14	3144B-0404TP00-32B-2-002		M90	\$12,537.80
50	146	60	36	12	3RW5543-2HA14	3144B-0504TP00-32B-2-000		M90	\$15,358.47
60	180	60	36	12	3RW5544-2HA14	3144B-0604TP00-32B-2-000		M90	\$17,604.86
75	207	60	36	12	3RW5545-2HA14	3144B-0754TP00-32B-2-000		M90	\$18,931.63
	230	60	36	12	3RW5546-2HA14	3144B-0754TP00-32B-2-002		M90	\$21,568.44
100	254	60	36	12	3RW5547-2HA14	3144B-1004TP00-32B-2-000		M90	\$26,443.52
	262	60	36	12	3RW5548-2HA14	3144B-1004TP00-32B-2-002		M90	\$28,023.51
150	450	60	48	12	3RW5552-6HA14	3144B-1504TP00-32B-2-000		M90	\$32,710.35
	470	60	48	12	3RW5553-6HA14	3144B-1504TP00-32B-2-002		M90	\$34,549.20
200	520	60	48	12	3RW5554-6HA14	3144B-2004TP00-32B-2-000		M90	\$36,408.90
350	840	60	48	12	3RW5556-6HA14	3144B-3504TP00-32B-2-000		M90	\$40,262.71
400	900	60	48	12	3RW5558-6HA14	3144B-4004TP00-32B-2-000		M90	\$42,379.58

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 20E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54TP00-32B-4-000	M90	\$7,347.44	
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104TP00-32B-4-000	M90	\$7,573.79	
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154TP00-32B-4-000	M90	\$7,807.09	
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204TP00-32B-4-000	M90	\$8,061.05	
	30.5	36	24	10	3RW5517-1HA14	3144B-0204TP00-32B-4-002	M90	\$8,378.36	
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304TP00-32B-4-000	M90	\$8,865.31	
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404TP00-32B-4-000	M90	\$9,276.74	
50	68	40	24	12	3RW5526-1HA14	3144B-0504TP00-32B-4-000	M90	\$9,654.49	
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604TP00-32B-4-000	M90	\$10,250.74	
75	97	40	24	12	3RW5534-2HA14	3144B-0754TP00-32B-4-000	M90	\$10,772.00	
	113	40	24	12	3RW5535-2HA14	3144B-0754TP00-32B-4-002	M90	\$11,765.70	
100	129	40	24	12	3RW5536-2HA14	3144B-1004TP00-32B-4-000	M90	\$12,871.76	
	146	60	36	12	3RW5543-2HA14	3144B-1004TP00-32B-4-002	M90	\$15,692.43	
150	180	60	36	12	3RW5544-2HA14	3144B-1504TP00-32B-4-000	M90	\$17,938.82	
	207	60	36	12	3RW5545-2HA14	3144B-1504TP00-32B-4-002	M90	\$19,265.60	
	230	60	36	12	3RW5546-2HA14	3144B-1504TP00-32B-4-003	M90	\$21,902.40	
200	254	60	36	12	3RW5547-2HA14	3144B-2004TP00-32B-4-000	M90	\$26,777.48	
	262	60	36	12	3RW5548-2HA14	3144B-2004TP00-32B-4-002	M90	\$28,357.49	
350	450	60	48	12	3RW5552-6HA14	3144B-3504TP00-32B-4-000	M90	\$33,044.31	
	470	60	48	12	3RW5553-6HA14	3144B-3504TP00-32B-4-002	M90	\$34,883.16	
450	520	60	48	12	3RW5554-6HA14	3144B-4504TP00-32B-4-000	M90	\$36,742.87	
700	840	60	48	12	3RW5556-6HA14	3144B-7004TP00-32B-4-000	M90	\$40,596.66	
750	900	60	48	12	3RW5558-6HA14	3144B-7504TP00-32B-4-000	M90	\$42,713.53	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

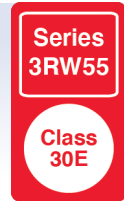
Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

General Purpose (RVSS) Panel
 NEMA 4/12 / Siemens 3RW55 Soft Starter
 General Purpose Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 300 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034TP00-32B-2-000		M90	\$7,013.46
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054TP00-32B-2-000		M90	\$7,239.82
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54TP00-32B-2-000		M90	\$7,473.11
	23.6	36	24	10	3RW5516-1HA14	3244B-0104TP00-32B-2-000		M90	\$7,727.09
10	26.0	36	24	10	3RW5517-1HA14	3244B-0104TP00-32B-2-002		M90	\$8,044.41
	38.0	40	24	12	3RW5524-1HA14	3244B-0104TP00-32B-2-003		M90	\$8,536.50
15	48.0	40	24	12	3RW5525-1HA14	3244B-0154TP00-32B-2-000		M90	\$8,933.36
20	62	40	24	12	3RW5526-1HA14	3244B-0204TP00-32B-2-000		M90	\$9,323.54
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254TP00-32B-2-000		M90	\$9,722.82
	81	40	24	12	3RW5534-2HA14	3244B-0254TP00-32B-2-002		M90	\$10,489.03
30	98	40	24	12	3RW5535-2HA14	3244B-0304TP00-32B-2-000		M90	\$11,431.74
40	105	40	24	12	3RW5536-2HA14	3244B-0404TP00-32B-2-000		M90	\$12,405.18
	122	60	36	12	3RW5543-2HA14	3244B-0404TP00-32B-2-002		M90	\$15,225.85
50	140	60	36	12	3RW5544-2HA14	3244B-0504TP00-32B-2-000		M90	\$16,740.27
	159	60	36	12	3RW5545-2HA14	3244B-0604TP00-32B-2-000		M90	\$18,931.63
60	174	60	36	12	3RW5546-2HA14	3244B-0604TP00-32B-2-002		M90	\$20,899.64
	190	60	36	12	3RW5547-2HA14	3244B-0604TP00-32B-2-003		M90	\$23,896.16
75	200	60	36	12	3RW5548-2HA14	3244B-0754TP00-32B-2-000		M90	\$28,023.51
125	340	60	48	12	3RW5552-6HA14	3244B-1254TP00-32B-2-000		M90	\$30,483.38
150	360	60	48	12	3RW5553-6HA14	3244B-1504TP00-32B-2-000		M90	\$34,349.15
	380	60	48	12	3RW5554-6HA14	3244B-1504TP00-32B-2-002		M90	\$36,208.85
250	670	60	48	12	3RW5556-6HA14	3244B-2504TP00-32B-2-000		M90	\$40,262.71
300	720	60	48	12	3RW5558-6HA14	3244B-3004TP00-32B-2-000		M90	\$42,123.99

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

General Purpose (RVSS) Panel

NEMA 4/12 / Siemens 3RW55 Soft Starter

General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Fully Gasketed / NEMA 4/12 / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card

- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- General purpose applications that require Heavy Starting (Class 30E). See Applications listed on pp 10-11 for details.

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54TP00-32B-4-000	M90	\$7,347.44	
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104TP00-32B-4-000	M90	\$7,573.79	
	22.3	36	24	10	3RW5515-1HA14	3244B-0154TP00-32B-4-000	M90	\$7,807.09	
15	23.6	36	24	10	3RW5516-1HA14	3244B-0154TP00-32B-4-002	M90	\$8,061.05	
	26.0	36	24	10	3RW5517-1HA14	3244B-0154TP00-32B-4-003	M90	\$8,378.36	
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254TP00-32B-4-000	M90	\$8,865.31	
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304TP00-32B-4-000	M90	\$9,276.74	
40	62	40	24	12	3RW5526-1HA14	3244B-0404TP00-32B-4-000	M90	\$9,654.49	
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504TP00-32B-4-000	M90	\$10,250.74	
60	81	40	24	12	3RW5534-2HA14	3244B-0604TP00-32B-4-000	M90	\$10,772.00	
	98	40	24	12	3RW5535-2HA14	3244B-0754TP00-32B-4-000	M90	\$11,765.70	
75	105	40	24	12	3RW5536-2HA14	3244B-0754TP00-32B-4-002	M90	\$12,871.76	
	122	60	36	12	3RW5543-2HA14	3244B-0754TP00-32B-4-003	M90	\$15,692.43	
100	140	60	36	12	3RW5544-2HA14	3244B-1004TP00-32B-4-000	M90	\$17,938.82	
125	159	60	36	12	3RW5545-2HA14	3244B-1254TP00-32B-4-000	M90	\$19,265.60	
	174	60	36	12	3RW5546-2HA14	3244B-1254TP00-32B-4-002	M90	\$21,902.40	
150	190	60	36	12	3RW5547-2HA14	3244B-1504TP00-32B-4-000	M90	\$26,777.48	
	200	60	36	12	3RW5548-2HA14	3244B-1504TP00-32B-4-002	M90	\$28,357.49	
250	340	60	48	12	3RW5552-6HA14	3244B-2504TP00-32B-4-000	M90	\$33,044.31	
300	360	60	48	12	3RW5553-6HA14	3244B-3004TP00-32B-4-000	M90	\$34,883.16	
	380	60	48	12	3RW5554-6HA14	3244B-3004TP00-32B-4-002	M90	\$34,883.16	
600	670	60	48	12	3RW5556-6HA14	3244B-6004TP00-32B-4-000	M90	\$40,596.66	
650	720	60	48	12	3RW5558-6HA14	3244B-6504TP00-32B-4-000	M90	\$42,713.53	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Soft Starter - Economy Package

Irrigation Pump Panel

NEMA 3R / Siemens 3RW40 Soft Starter

Irrigation Pump Applications



(See pp. 12-14 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on pp 13-15
- Isolation contactor
- Illuminated fault / Reset pushbutton
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP
- 120V Transformer

Warranty

- Two (2) year warranty

Applications

- Specifically designed for use on Irrigation Pump applications.

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0153RP00-24H-2-000	M90	\$4,936.98	
20	58	24	24	12	3RW4037-1BB14	3041B-0203RP00-24H-2-000	M90	\$5,206.13	
25	73	24	24	12	3RW4046-1BB14	3041B-0253RP00-24H-2-000	M90	\$5,706.21	
30	98	24	24	12	3RW4047-1BB14	3041B-0303RP00-24H-2-000	M90	\$6,020.71	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0253RP00-24H-4-000	M90	\$4,697.57	
30	42	24	24	12	3RW4036-1BB14	3041B-0303RP00-24H-4-000	M90	\$4,936.98	
40	58	24	24	12	3RW4037-1BB14	3041B-0403RP00-24H-4-000	M90	\$5,206.13	
50	73	24	24	12	3RW4046-1BB14	3041B-0503RP00-24H-4-000	M90	\$5,706.21	
60	98	24	24	12	3RW4047-1BB14	3041B-0603RP00-24H-4-000	M90	\$6,020.71	
75	98	24	24	12	3RW4047-1BB14	3041B-0753RP00-24H-4-000	M90	\$6,020.71	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 15 HP - 75 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



(See pp. 12-14 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW40 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 15 HP - 75 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

- Normal Starting (Class 10) - Please see Starting Class Details on pp 13-15
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- UL 508A certified

Power

- 240V: 15 HP - 30 HP
- 480V: 25 HP - 75 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4036-1BB14	3041B-0154XP00-24H-2-000	M95	\$6,940.22	
20	58	24	24	12	3RW4037-1BB14	3041B-0204XP00-24H-2-000	M95	\$7,236.62	
25	73	24	24	12	3RW4046-1BB14	3041B-0254XP00-24H-2-000	M95	\$8,036.86	
30	98	24	24	12	3RW4047-1BB14	3041B-0304XP00-24H-2-000	M95	\$8,376.94	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4028-1BB14	3041B-0254XP00-24H-4-000	M95	\$6,676.57	
30	42	24	24	12	3RW4036-1BB14	3041B-0304XP00-24H-4-000	M95	\$6,940.22	
40	58	24	24	12	3RW4037-1BB14	3041B-0404XP00-24H-4-000	M95	\$7,236.62	
50	73	24	24	12	3RW4046-1BB14	3041B-0504XP00-24H-4-000	M95	\$8,036.86	
60	98	24	24	12	3RW4047-1BB14	3041B-0604XP00-24H-4-000	M95	\$8,376.94	
75	98	24	24	12	3RW4047-1BB14	3041B-0754XP00-24H-4-000	M95	\$8,376.94	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 15 HP - 40 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: Siemens 3RW40



Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW40 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications



(See pp. 12-14 for Starting Class Details)



Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- Isolation contactor
- Surge suppressor
- Service entry rated
- Heavy duty mounting ears
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Standard Features

- 15 HP - 40 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW40 series device
 - Integrated bypass contact system
 - Adjustable current limiting
 - Intrinsic device protection
 - LED status / fault monitoring
 - Remote reset

Power

- 240V: 15 HP - 20 HP
- 480V: 25 HP - 40 HP
- 120V Transformer

Warranty

- Two (2) year warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
15	42	24	24	12	3RW4037-1BB14	3141B-0154XP00-24H-2-000	M95	\$7,174.21	
20	58	24	24	12	3RW4047-1BB14	3141B-0204XP00-24H-2-000	M95	\$8,191.28	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
25	34	24	24	12	3RW4037-1BB14	3141B-0254XP00-24H-4-000	M95	\$7,236.62	
30	42	24	24	12	3RW4037-1BB14	3141B-0304XP00-24H-4-000	M95	\$7,236.62	
40	58	24	24	12	3RW4047-1BB14	3141B-0404XP00-24H-4-000	M95	\$8,236.54	

*** Notes:**

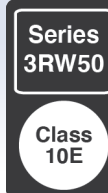
1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 15-16 for Starting Class Details)



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 40 HP - 400 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404XP00-24H-2-000	M95	\$11,398.75	
50	153	40	24	12	3RW50566AB14	3045B-0504XP00-24H-2-000	M95	\$12,194.85	
60	186	42	30	16	3RW50726AB14	3045B-0604XP00-24H-2-000	M95	\$13,942.26	
75	220	42	30	16	3RW50736AB14	3045B-0754XP00-24H-2-000	M95	\$14,086.89	
100	279	48	30	16	3RW50746AB14	3045B-1004XP00-24H-2-000	M95	\$15,520.96	
125	328	48	30	16	3RW50756AB14	3045B-1254XP00-24H-2-000	M95	\$19,810.56	
150	416	48	30	16	3RW50766AB14	3045B-1504XP00-24H-2-000	M95	\$21,523.55	
200	504	48	30	16	3RW50776AB14	3045B-2004XP00-24H-2-000	M95	\$23,489.92	

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	42	30	12	3RW50556AB14	3045B-1004XP00-24H-4-000	M95	\$10,920.29	
	153	42	30	12	3RW50566AB14	3045B-1004XP00-24H-4-002	M95	\$11,716.38	
150	186	42	36	12	3RW50726AB14	3045B-1504XP00-24H-4-000	M95	\$13,942.26	
	220	42	36	12	3RW50736AB14	3045B-1504XP00-24H-4-002	M95	\$14,086.89	
200	279	48	36	16	3RW50746AB14	3045B-2004XP00-24H-4-000	M95	\$15,520.92	
250	328	48	36	16	3RW50756AB14	3045B-2504XP00-24H-4-000	M95	\$19,810.56	
350	416	48	36	16	3RW50766AB14	3045B-3504XP00-24H-4-000	M95	\$21,523.55	
400	504	48	30	16	3RW50776AB14	3045B-4004XP00-24H-4-000	M95	\$23,489.92	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 15-16 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 30 HP - 200 HP ratings in stock
- NEMA 4X - Stainless Steel Enclosure
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)
- Soft stop capable

- Hybrid switching devices and two-phase motor control
- Parameterization using keypad
- Motor overload and intrinsic device protection
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75HP - 200HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304XP00-24H-2-000		M95	\$10,790.62
40	123	40	24	12	3RW50566AB14	3145B-0404XP00-24H-2-000		M95	\$11,586.70
50	146	42	30	16	3RW50726AB14	3145B-0504XP00-24H-2-000		M95	\$13,228.17
60	180	42	30	16	3RW50736AB14	3145B-0604XP00-24H-2-000		M95	\$13,638.68
75	195	48	30	16	3RW50746AB14	3145B-0754XP00-24H-2-000		M95	\$15,474.37
	230	48	30	16	3RW50756AB14	3145B-0754XP00-24H-2-002		M95	\$17,647.80
100	254	48	30	16	3RW50766AB14	3145B-1004XP00-24H-2-000		M95	\$19,922.29
	262	48	30	16	3RW50776AB14	3145B-1004XP00-24H-2-002		M95	\$20,488.06

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754XP00-24H-4-000		M95	\$10,790.62
	123	40	24	12	3RW50566AB14	3145B-0754XP00-24H-4-002		M95	\$11,586.70
100	146	42	30	12	3RW50726AB14	3145B-1004XP00-24H-4-000		M95	\$13,228.17
125	180	42	30	12	3RW50736AB14	3145B-1254XP00-24H-4-000		M95	\$13,638.68
150	195	48	30	16	3RW50746AB14	3145B-1504XP00-24H-4-000		M95	\$12,802.58
	230	48	30	16	3RW50756AB14	3145B-1504XP00-24H-4-002		M95	\$17,647.80
200	254	48	30	16	3RW50766AB14	3145B-2004XP00-24H-4-000		M95	\$19,922.29
	262	48	30	16	3RW50776AB14	3145B-2004XP00-24H-4-002		M95	\$20,488.06

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 40 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 15-16 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 40 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW50 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 16-17
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified Isolation Contactor

Power

- 240V: 40 HP - 200 HP
- 480V: 100 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
40	128	40	24	12	3RW50556AB14	3045B-0404XP00-32B-2-000		M95	\$12,657.18
50	153	40	24	12	3RW50566AB14	3045B-0504XP00-32B-2-000		M95	\$13,453.26
60	186	42	30	16	3RW50726AB14	3045B-0604XP00-32B-2-000		M95	\$15,200.68
75	220	42	30	16	3RW50736AB14	3045B-0754XP00-32B-2-000		M95	\$15,345.31
100	279	48	30	16	3RW50746AB14	3045B-1004XP00-32B-2-000		M95	\$16,779.33
125	328	48	30	16	3RW50756AB14	3045B-1254XP00-32B-2-000		M95	\$21,052.37
150	416	48	30	16	3RW50766AB14	3045B-1504XP00-32B-2-000		M95	\$22,781.97
200	504	48	30	16	3RW50776AB14	3045B-2004XP00-32B-2-000		M95	\$24,593.72

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
100	143	42	30	12	3RW50556AB14	3045B-1004XP00-32B-4-000		M95	\$12,657.18
	153	42	30	12	3RW50566AB14	3045B-1004XP00-32B-4-002		M95	\$13,453.26
150	186	42	36	12	3RW50726AB14	3045B-1504XP00-32B-4-000		M95	\$15,200.68
	220	42	36	12	3RW50736AB14	3045B-1504XP00-32B-4-002		M95	\$15,345.31
200	279	48	36	16	3RW50746AB14	3045B-2004XP00-32B-4-000		M95	\$16,779.33
250	328	48	36	16	3RW50756AB14	3045B-2504XP00-32B-4-000		M95	\$21,052.37
350	416	48	36	16	3RW50766AB14	3045B-3504XP00-32B-4-000		M95	\$22,781.97
400	504	48	30	16	3RW50776AB14	3045B-4004XP00-32B-4-000		M95	\$24,593.72

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 207-210
 Enclosure Information on p. 148



SOFT STARTER
 VARIABLE FREQUENCY DRIVE
 APPENDIX

HP: 30 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW50 Series



(See pp. 15-16 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW50 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door mounted HMI

Standard Features

- 30 HP - 200 HP ratings in stock
- Circuit breaker disconnect
- Siemens 3RW50 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 16-17
- 20VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System (not start rated)

- Soft stop capable
- Hybrid switching devices and two-phase motor control
- Parameterization using HMI
- Motor overload and intrinsic device protection
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified
- Isolation Contactor

Power

- 240V: 30 HP - 100 HP
- 480V: 75 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- PROFINET, PROFIBUS, Ethernet/IP and Modbus
- Communication Modules
- HMI modules for easy parameterization
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
30	98	40	24	12	3RW50556AB14	3145B-0304XP00-32B-2-000		M95	\$12,074.23
40	123	40	24	12	3RW50556AB14	3145B-0404XP00-32B-2-000		M95	\$12,870.32
50	146	42	30	16	3RW50726AB14	3145B-0504XP00-32B-2-000		M95	\$14,511.79
60	180	42	30	16	3RW50736AB14	3145B-0604XP00-32B-2-000		M95	\$14,922.30
75	195	48	30	16	3RW50746AB14	3145B-0754XP00-32B-2-000		M95	\$16,758.01
	230	48	30	16	3RW50756AB14	3145B-0754XP00-32B-2-002		M95	\$18,931.41
100	254	48	30	16	3RW50766AB14	3145B-1004XP00-32B-2-000		M95	\$21,205.91
	262	48	30	16	3RW50776AB14	3145B-1004XP00-32B-2-002		M95	\$21,771.67

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
75	98	40	24	12	3RW50556AB14	3145B-0754XP00-32B-4-000		M95	\$12,074.23
	123	40	24	12	3RW50556AB14	3145B-0754XP00-32B-4-002		M95	\$12,870.32
100	146	42	30	12	3RW50726AB14	3145B-1004XP00-32B-4-000		M95	\$14,511.79
125	180	42	30	12	3RW50736AB14	3145B-1254XP00-32B-4-000		M95	\$14,922.30
150	195	48	30	16	3RW50746AB14	3145B-1504XP00-32B-4-000		M95	\$16,758.01
	230	48	30	16	3RW50756AB14	3145B-1504XP00-32B-4-002		M95	\$18,931.41
200	254	48	30	16	3RW50766AB14	3145B-2004XP00-32B-4-000		M95	\$21,205.91
	262	48	30	16	3RW50776AB14	3145B-2004XP00-32B-4-002		M95	\$21,771.67

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage

/ Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034XP00-24H-2-000	M95	\$7,980.46	
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054XP00-24H-2-000	M95	\$8,128.81	
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54XP00-24H-2-000	M95	\$8,301.28	
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104XP00-24H-2-000	M95	\$8,500.05	
	33.5	36	24	10	3RW5217-1AC14	3043B-0104XP00-24H-2-002	M95	\$8,721.08	
15	41.6	36	24	12	3RW5224-1AC14	3043B-0154XP00-24H-2-000	M95	\$10,336.79	
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204XP00-24H-2-000	M95	\$10,626.29	
25	68	40	24	12	3RW5226-1AC14	3043B-0254XP00-24H-2-000	M95	\$10,893.75	
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304XP00-24H-2-000	M95	\$11,400.44	
	101	40	24	12	3RW5234-6AC14	3043B-0304XP00-24H-2-002	M95	\$11,783.08	
40	128	40	24	12	3RW5235-6AC14	3043B-0404XP00-24H-2-000	M95	\$12,636.60	
50	153	40	24	12	3RW5236-6AC14	3043B-0504XP00-24H-2-000	M95	\$13,355.04	
60	186	40	24	12	3RW5243-6AC14	3043B-0604XP00-24H-2-000	M95	\$17,636.57	
75	220	60	36	12	3RW5244-6AC14	3043B-0754XP00-24H-2-000	M95	\$18,642.78	
100	279	60	36	12	3RW5245-6AC14	3043B-1004XP00-24H-2-000	M95	\$20,740.19	
125	328	60	36	12	3RW5246-6AC14	3043B-1254XP00-24H-2-000	M95	\$24,785.39	
150	416	60	36	12	3RW5247-6AC14	3043B-1504XP00-24H-2-000	M95	\$26,518.10	
200	504	60	36	12	3RW5248-6AC14	3043B-2004XP00-24H-2-000	M95	\$27,967.73	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three-Phase Motor Control

Power

- 480V: 7.5 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54XP00-24H-4-000	M95	\$7,980.46	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104XP00-24H-4-000	M95	\$8,128.81	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154XP00-24H-4-000	M95	\$8,301.28	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204XP00-24H-4-000	M95	\$8,500.05	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204XP00-24H-4-002	M95	\$8,721.08	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304XP00-24H-4-000	M95	\$10,336.79	
40	55.5	42	30	12	3RW5225-1AC14	3043B-0404XP00-24H-4-000	M95	\$10,626.29	
50	68.0	42	30	12	3RW5226-1AC14	3043B-0504XP00-24H-4-000	M95	\$10,893.75	
60	82.5	42	30	12	3RW5227-1AC14	3043B-0604XP00-24H-4-000	M95	\$11,400.44	
75	101.0	42	30	12	3RW5234-6AC14	3043B-0754XP00-24H-4-000	M95	\$11,783.08	
100	128.0	42	30	12	3RW5235-6AC14	3043B-1004XP00-24H-4-000	M95	\$12,636.60	
	153.0	42	30	12	3RW5236-6AC14	3043B-1004XP00-24H-4-002	M95	\$13,355.04	
150	186.0	60	36	12	3RW5243-6AC14	3043B-1504XP00-24H-4-000	M95	\$17,636.57	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504XP00-24H-4-002	M95	\$18,642.78	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004XP00-24H-4-000	M95	\$20,740.19	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504XP00-24H-4-000	M95	\$24,785.39	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504XP00-24H-4-000	M95	\$26,518.10	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004XP00-24H-4-000	M95	\$27,967.73	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit
 Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General
 Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 100 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three - Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034XP00-24H-2-000	M95	\$8,109.19	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054XP00-24H-2-000	M95	\$8,259.92	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P54XP00-24H-2-000	M95	\$8,435.16	
	28.4	36	24	10	3RW5216-1AC14	3143B-7P54XP00-24H-2-002	M95	\$8,637.16	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0104XP00-24H-2-000	M95	\$8,861.74	
15	41.6	36	24	12	3RW5224-1AC14	3143B-0154XP00-24H-2-000	M95	\$10,503.52	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0204XP00-24H-2-000	M95	\$10,797.69	
	59	40	24	12	3RW5226-1AC14	3143B-0204XP00-24H-2-002	M95	\$11,069.71	
	82.5	40	24	12	3RW5227-1AC14	3143B-0304XP00-24H-2-000	M95	\$11,584.32	
30	97	40	24	12	3RW5234-6AC14	3143B-0304XP00-24H-2-002	M95	\$11,973.12	
	103	40	24	12	3RW5235-6AC14	3143B-0304XP00-24H-2-003	M95	\$12,840.43	
40	117	40	24	12	3RW5236-6AC14	3143B-0404XP00-24H-2-000	M95	\$13,570.44	
50	146	40	24	12	3RW5243-6AC14	3143B-0504XP00-24H-2-000	M95	\$17,369.15	
60	180	60	36	12	3RW5244-6AC14	3143B-0604XP00-24H-2-000	M95	\$18,943.45	
	171	60	36	12	3RW5245-6AC14	3143B-0604XP00-24H-2-002	M95	\$19,860.50	
75	230	60	36	12	3RW5246-6AC14	3143B-0754XP00-24H-2-000	M95	\$22,467.39	
	236	60	36	12	3RW5247-6AC14	3143B-0754XP00-24H-2-002	M95	\$24,220.12	
100	262	60	36	12	3RW5248-6AC14	3143B-1004XP00-24H-2-000	M95	\$25,907.23	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

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Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque
- Three-Phase Motor Control

- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted Standard HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54XP00-24H-4-000	M95	\$8,109.19	
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104XP00-24H-4-000	M95	\$8,259.92	
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154XP00-24H-4-000	M95	\$8,435.16	
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204XP00-24H-4-000	M95	\$8,637.16	
	31.5	36	24	10	3RW5217-1AC14	3143B-0204XP00-24H-4-002	M95	\$8,861.74	
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304XP00-24H-4-000	M95	\$10,503.52	
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404XP00-24H-4-000	M95	\$10,797.69	
	59.0	40	24	12	3RW5226-1AC14	3143B-0404XP00-24H-4-002	M95	\$11,069.71	
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504XP00-24H-4-000	M95	\$11,584.32	
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604XP00-24H-4-000	M95	\$11,973.12	
	97.0	40	24	12	3RW5234-6AC14	3143B-0754XP00-24H-4-000	M95	\$11,973.12	
75	103.0	40	24	12	3RW5235-6AC14	3143B-0754XP00-24H-4-002	M95	\$12,698.53	
	117.0	40	24	12	3RW5236-6AC14	3143B-0754XP00-24H-4-003	M95	\$13,570.44	
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004XP00-24H-4-000	M95	\$17,369.15	
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254XP00-24H-4-000	M95	\$19,860.50	
	180.0	60	36	12	3RW5244-6AC14	3143B-1504XP00-24H-4-000	M95	\$18,943.45	
150	230.0	60	36	12	3RW5246-6AC14	3143B-1504XP00-24H-4-002	M95	\$22,467.39	
	236.0	60	36	12	3RW5247-6AC14	3143B-1504XP00-24H-4-003	M95	\$24,220.12	
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004XP00-24H-4-000	M95	\$25,907.23	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 200 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 200 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3043B-0034XP00-32B-2-000		M95	\$10,410.13
5	15.9	36	24	10	3RW5214-1AC14	3043B-0054XP00-32B-2-000		M95	\$10,558.49
7.5	22.3	36	24	10	3RW5215-1AC14	3043B-7P54XP00-32B-2-000		M95	\$10,730.95
10	28.4	36	24	10	3RW5216-1AC14	3043B-0104XP00-32B-2-000		M95	\$10,929.72
	33.5	36	24	10	3RW5217-1AC14	3043B-0104XP00-32B-2-002		M95	\$11,150.76
15	41.6	36	24	12	3RW5224-1AC14	3043B-0154XP00-32B-2-000		M95	\$12,766.46
20	55.5	40	24	12	3RW5225-1AC14	3043B-0204XP00-32B-2-000		M95	\$13,055.96
25	68	40	24	12	3RW5226-1AC14	3043B-0254XP00-32B-2-000		M95	\$13,323.42
30	82.5	40	24	12	3RW5227-1AC14	3043B-0304XP00-32B-2-000		M95	\$13,830.11
	101	40	24	12	3RW5234-6AC14	3043B-0304XP00-32B-2-002		M95	\$14,212.76
40	128	40	24	12	3RW5235-6AC14	3043B-0404XP00-32B-2-000		M95	\$15,066.27
50	153	40	24	12	3RW5236-6AC14	3043B-0504XP00-32B-2-000		M95	\$15,784.71
60	186	40	24	12	3RW5243-6AC14	3043B-0604XP00-32B-2-000		M95	\$20,066.25
75	220	60	36	12	3RW5244-6AC14	3043B-0754XP00-32B-2-000		M95	\$21,072.45
100	279	60	36	12	3RW5245-6AC14	3043B-1004XP00-32B-2-000		M95	\$23,169.86
125	328	60	36	12	3RW5246-6AC14	3043B-1254XP00-32B-2-000		M95	\$27,215.07
150	416	60	36	12	3RW5247-6AC14	3043B-1504XP00-32B-2-000		M95	\$28,947.77
200	504	60	36	12	3RW5248-6AC14	3043B-2004XP00-32B-2-000		M95	\$30,397.41

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 400 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Normal Starting (Class 10E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 400HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3043B-7P54XP00-32B-4-000	M95	\$10,410.13	
10	15.9	36	24	10	3RW5214-1AC14	3043B-0104XP00-32B-4-000	M95	\$10,558.49	
15	22.3	36	24	10	3RW5215-1AC14	3043B-0154XP00-32B-4-000	M95	\$10,730.95	
20	28.4	36	24	10	3RW5216-1AC14	3043B-0204XP00-32B-4-000	M95	\$10,929.72	
	33.5	36	24	10	3RW5217-1AC14	3043B-0204XP00-32B-4-002	M95	\$11,150.76	
30	41.6	36	24	12	3RW5224-1AC14	3043B-0304XP00-32B-4-000	M95	\$12,766.46	
40	55.5	42	30	12	3RW5225-1AC14	3043B-0404XP00-32B-4-000	M95	\$13,055.96	
50	68.0	42	30	12	3RW5226-1AC14	3043B-0504XP00-32B-4-000	M95	\$13,323.42	
60	82.5	42	30	12	3RW5227-1AC14	3043B-0604XP00-32B-4-000	M95	\$13,830.11	
75	101.0	42	30	12	3RW5234-6AC14	3043B-0754XP00-32B-4-000	M95	\$14,212.76	
100	128.0	42	30	12	3RW5235-6AC14	3043B-1004XP00-32B-4-000	M95	\$15,066.27	
	153.0	42	30	12	3RW5236-6AC14	3043B-1004XP00-32B-4-002	M95	\$15,784.71	
150	186.0	60	36	12	3RW5243-6AC14	3043B-1504XP00-32B-4-000	M95	\$20,066.25	
	220.0	60	36	12	3RW5244-6AC14	3043B-1504XP00-32B-4-002	M95	\$21,072.45	
200	279.0	60	36	12	3RW5245-6AC14	3043B-2004XP00-32B-4-000	M95	\$23,169.86	
250	328.0	60	36	12	3RW5246-6AC14	3043B-2504XP00-32B-4-000	M95	\$27,215.07	
350	416.0	60	36	12	3RW5247-6AC14	3043B-3504XP00-32B-4-000	M95	\$28,947.77	
400	504.0	60	36	12	3RW5248-6AC14	3043B-4004XP00-32B-4-000	M95	\$30,397.41	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 100 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



Series
3RW52
Class
20E



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 3 HP - 100 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 100 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	40	24	10	3RW5213-1AC14	3143B-0034XP00-32B-2-000	M95	\$10,578.06	
5	15.9	36	24	10	3RW5214-1AC14	3143B-0054XP00-32B-2-000	M95	\$10,728.76	
7.5	22.3	36	24	10	3RW5215-1AC14	3143B-7P54XP00-32B-2-000	M95	\$10,904.02	
	28.4	36	24	10	3RW5216-1AC14	3143B-7P54XP00-32B-2-002	M95	\$11,106.03	
10	33.5	36	24	10	3RW5217-1AC14	3143B-0104XP00-32B-2-000	M95	\$11,330.60	
15	41.6	36	24	12	3RW5224-1AC14	3143B-0154XP00-32B-2-000	M95	\$12,972.38	
20	55.5	40	24	12	3RW5225-1AC14	3143B-0204XP00-32B-2-000	M95	\$13,266.55	
	59	40	24	12	3RW5226-1AC14	3143B-0204XP00-32B-2-002	M95	\$13,538.33	
	82.5	40	24	12	3RW5227-1AC14	3143B-0304XP00-32B-2-000	M95	\$14,053.19	
30	97	40	24	12	3RW5234-6AC14	3143B-0304XP00-32B-2-002	M95	\$14,441.98	
	103	40	24	12	3RW5235-6AC14	3143B-0304XP00-32B-2-003	M95	\$15,309.29	
40	117	40	24	12	3RW5236-6AC14	3143B-0404XP00-32B-2-000	M95	\$16,039.31	
50	146	40	24	12	3RW5243-6AC14	3143B-0504XP00-32B-2-000	M95	\$20,389.90	
60	180	60	36	12	3RW5244-6AC14	3143B-0604XP00-32B-2-000	M95	\$21,412.31	
	171	60	36	12	3RW5245-6AC14	3143B-0604XP00-32B-2-002	M95	\$23,543.58	
75	230	60	36	12	3RW5246-6AC14	3143B-0754XP00-32B-2-000	M95	\$27,654.01	
	236	60	36	12	3RW5247-6AC14	3143B-0754XP00-32B-2-002	M95	\$29,414.67	
100	262	60	36	12	3RW5248-6AC14	3143B-1004XP00-32B-2-000	M95	\$30,887.68	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW52 Series



(See pp. 17-20 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW52 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted Standard HMI

Standard Features

- 7.5 HP - 200 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW52 Series Device
- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 18-21
- 120VAC Control Inputs for: Start, Stop, Reset
- Integrated By-Pass Contact System
- Soft Torque

- Three - Phase Motor Control
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 200HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5213-1AC14	3143B-7P54XP00-32B-4-000		M95	\$10,578.06
10	15.9	36	24	10	3RW5214-1AC14	3143B-0104XP00-32B-4-000		M95	\$10,728.76
15	22.3	36	24	10	3RW5215-1AC14	3143B-0154XP00-32B-4-000		M95	\$10,904.02
20	27.2	36	24	10	3RW5216-1AC14	3143B-0204XP00-32B-4-000		M95	\$11,106.03
	30.5	36	24	10	3RW5217-1AC14	3143B-0204XP00-32B-4-002		M95	\$11,330.60
30	41.6	36	24	12	3RW5224-1AC14	3143B-0304XP00-32B-4-000		M95	\$12,972.38
40	55.5	40	24	12	3RW5225-1AC14	3143B-0404XP00-32B-4-000		M95	\$13,266.55
	59.0	40	24	12	3RW5226-1AC14	3143B-0404XP00-32B-4-002		M95	\$13,538.33
50	82.5	40	24	12	3RW5227-1AC14	3143B-0504XP00-32B-4-000		M95	\$14,053.19
60	82.5	40	24	12	3RW5227-1AC14	3143B-0604XP00-32B-4-000		M95	\$14,053.19
75	97.0	40	24	12	3RW5234-6AC14	3143B-0754XP00-32B-4-000		M95	\$14,441.98
	103.0	40	24	12	3RW5235-6AC14	3143B-0754XP00-32B-4-002		M95	\$15,167.39
	117.0	40	24	12	3RW5236-6AC14	3143B-0754XP00-32B-4-003		M95	\$16,039.31
100	146.0	40	24	12	3RW5243-6AC14	3143B-1004XP00-32B-4-000		M95	\$19,838.03
125	171.0	60	36	12	3RW5245-6AC14	3143B-1254XP00-32B-4-000		M95	\$21,412.31
150	180.0	60	36	12	3RW5244-6AC14	3143B-1504XP00-32B-4-000		M95	\$22,329.36
	230.0	60	36	12	3RW5246-6AC14	3143B-1504XP00-32B-4-002		M95	\$24,936.25
	236.0	60	36	12	3RW5247-6AC14	3143B-1504XP00-32B-4-003		M95	\$26,688.98
200	262.0	60	36	12	3RW5248-6AC14	3143B-2004XP00-32B-4-000		M95	\$28,376.09

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 450 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034XP00-24H-2-000	M95	\$8,556.16	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034XP00-24H-2-002	M95	\$8,794.51	
5	22	36	24	10	3RW5515-1HA14	3044B-0054XP00-24H-2-000	M95	\$9,040.19	
7.5	28	36	24	10	3RW5516-1HA14	3044B-7P54XP00-24H-2-000	M95	\$9,307.61	
10	34	36	24	10	3RW5517-1HA14	3044B-0104XP00-24H-2-000	M95	\$9,641.73	
15	42	40	24	12	3RW5524-1HA14	3044B-0154XP00-24H-2-000	M95	\$11,357.71	
20	56	40	24	12	3RW5525-1HA14	3044B-0204XP00-24H-2-000	M95	\$11,790.95	
	68	40	24	12	3RW5526-1HA14	3044B-0204XP00-24H-2-002	M95	\$12,188.72	
25	83	40	24	12	3RW5527-1HA14	3044B-0254XP00-24H-2-000	M95	\$12,816.59	
30	101	40	24	12	3RW5534-2HA14	3044B-0304XP00-24H-2-000	M95	\$13,365.50	
40	128	40	24	12	3RW5535-2HA14	3044B-0404XP00-24H-2-000	M95	\$14,411.85	
50	153	40	24	12	3RW5536-2HA14	3044B-0504XP00-24H-2-000	M95	\$15,576.56	
60	186	60	36	12	3RW5543-2HA14	3044B-0604XP00-24H-2-000	M95	\$19,672.82	
75	220	60	36	12	3RW5544-2HA14	3044B-0754XP00-24H-2-000	M95	\$21,669.66	
100	279	60	36	12	3RW5545-2HA14	3044B-1004XP00-24H-2-000	M95	\$24,139.69	
125	328	60	36	12	3RW5546-2HA14	3044B-1254XP00-24H-2-000	M95	\$28,886.68	
150	416	60	36	12	3RW5547-2HA14	3044B-1504XP00-24H-2-000	M95	\$31,345.57	
200	504	60	36	12	3RW5548-2HA14	3044B-2004XP00-24H-2-000	M95	\$43,796.79	
	561	60	48	12	3RW5552-6HA14	3044B-2004XP00-24H-2-002	M95	\$45,846.83	
250	641	60	48	12	3RW5553-6HA14	3044B-2504XP00-24H-2-000	M95	\$47,783.16	
300	748	60	48	12	3RW5554-6HA14	3044B-3004XP00-24H-2-000	M95	\$49,741.45	
400	979	60	48	12	3RW5556-6HA14	3044B-4004XP00-24H-2-000	M95	\$53,799.56	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504XP00-24H-2-000	M95	\$63,173.95	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted High Feature HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54XP00-24H-4-000		M95	\$8,556.16
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104XP00-24H-4-000		M95	\$8,794.51
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154XP00-24H-4-000		M95	\$9,040.19
15	28.4	36	24	10	3RW5516-1HA14	3044B-0154XP00-24H-4-002		M95	\$9,307.61
20	33.5	36	24	10	3RW5517-1HA14	3044B-0204XP00-24H-4-000		M95	\$9,641.73
30	41.6	40	30	12	3RW5524-1HA14	3044B-0304XP00-24H-4-000		M95	\$11,357.71
40	55.5	40	30	12	3RW5525-1HA14	3044B-0404XP00-24H-4-000		M95	\$11,790.95
50	68	40	30	12	3RW5526-1HA14	3044B-0504XP00-24H-4-000		M95	\$12,188.72
60	82.5	40	30	12	3RW5527-1HA14	3044B-0604XP00-24H-4-000		M95	\$12,816.59
75	101	40	30	12	3RW5534-2HA14	3044B-0754XP00-24H-4-000		M95	\$13,365.50
100	153	40	30	12	3RW5536-2HA14	3044B-1004XP00-24H-4-000		M95	\$15,576.56
150	186	60	36	12	3RW5543-2HA14	3044B-1504XP00-24H-4-000		M95	\$19,672.82
	220	60	36	12	3RW5544-2HA14	3044B-1504XP00-24H-4-002		M95	\$21,669.66
200	279	60	36	12	3RW5545-2HA14	3044B-2004XP00-24H-4-000		M95	\$24,139.69
250	328	60	36	12	3RW5546-2HA14	3044B-2504XP00-24H-4-000		M95	\$28,886.68
300	416	60	36	12	3RW5547-2HA14	3044B-3004XP00-24H-4-000		M95	\$31,345.57
400	504	60	48	12	3RW5548-2HA14	3044B-4004XP00-24H-4-000		M95	\$43,796.79
450	561	60	48	12	3RW5552-6HA14	3044B-4504XP00-24H-4-000		M95	\$45,846.83
500	641	60	48	12	3RW5553-6HA14	3044B-5004XP00-24H-4-000		M95	\$47,783.16
600	748	60	48	12	3RW5554-6HA14	3044B-6004XP00-24H-4-000		M95	\$49,741.45
850	979	60	48	12	3RW5556-6HA14	3044B-8504XP00-24H-4-000		M95	\$53,799.56
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04XP00-24H-4-000		M95	\$63,173.95

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
Warranty on pp. 149-152
Enclosure Information on p. 148



HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)



Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034XP00-24H-2-000		M95	\$8,694.16
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054XP00-24H-2-000		M95	\$8,936.35
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P54XP00-24H-2-000		M95	\$9,185.99
	27.2	36	24	10	3RW5516-1HA14	3144B-7P54XP00-24H-2-002		M95	\$9,457.72
10	30.5	36	24	10	3RW5517-1HA14	3144B-0104XP00-24H-2-000		M95	\$9,797.26
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154XP00-24H-2-000		M95	\$11,540.90
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204XP00-24H-2-000		M95	\$11,981.12
25	68	40	24	12	3RW5526-1HA14	3144B-0254XP00-24H-2-000		M95	\$12,385.31
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304XP00-24H-2-000		M95	\$13,023.32
	97	40	24	12	3RW5534-2HA14	3144B-0304XP00-24H-2-002		M95	\$13,581.06
40	113	40	24	12	3RW5535-2HA14	3144B-0404XP00-24H-2-000		M95	\$14,644.30
	126	40	24	12	3RW5536-2HA14	3144B-0404XP00-24H-2-002		M95	\$15,827.79
50	146	60	36	12	3RW5543-2HA14	3144B-0504XP00-24H-2-000		M95	\$19,990.12
60	180	60	36	12	3RW5544-2HA14	3144B-0604XP00-24H-2-000		M95	\$22,019.18
75	207	60	36	12	3RW5545-2HA14	3144B-0754XP00-24H-2-000		M95	\$24,529.03
	230	60	36	12	3RW5546-2HA14	3144B-0754XP00-24H-2-002		M95	\$26,634.80
100	254	60	36	12	3RW5547-2HA14	3144B-1004XP00-24H-2-000		M95	\$29,125.47
	262	60	36	12	3RW5548-2HA14	3144B-1004XP00-24H-2-002		M95	\$31,851.13
150	450	60	48	12	3RW5552-6HA14	3144B-1504XP00-24H-2-000		M95	\$46,372.25
	470	60	48	12	3RW5553-6HA14	3144B-1504XP00-24H-2-002		M95	\$48,545.95
200	520	60	48	12	3RW5554-6HA14	3144B-2004XP00-24H-2-000		M95	\$50,749.90
350	840	60	48	12	3RW5556-6HA14	3144B-3504XP00-24H-2-000		M95	\$54,667.29
400	900	60	48	12	3RW5558-6HA14	3144B-4004XP00-24H-2-000		M95	\$59,242.84

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted High Feature HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54XP00-24H-4-000		M95	\$8,694.16
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104XP00-24H-4-000		M95	\$8,936.35
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154XP00-24H-4-000		M95	\$9,185.99
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204XP00-24H-4-000		M95	\$9,457.72
	30.5	36	24	10	3RW5517-1HA14	3144B-0204XP00-24H-4-002		M95	\$9,797.26
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304XP00-24H-4-000		M95	\$11,540.90
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404XP00-24H-4-000		M95	\$11,981.12
50	68	40	24	12	3RW5526-1HA14	3144B-0504XP00-24H-4-000		M95	\$12,385.31
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604XP00-24H-4-000		M95	\$13,023.32
75	97	40	24	12	3RW5534-2HA14	3144B-0754XP00-24H-4-000		M95	\$13,581.06
	113	40	24	12	3RW5535-2HA14	3144B-0754XP00-24H-4-002		M95	\$14,644.30
100	126	40	24	12	3RW5536-2HA14	3144B-1004XP00-24H-4-000		M95	\$15,827.79
	146	60	36	12	3RW5543-2HA14	3144B-1004XP00-24H-4-002		M95	\$19,990.12
125	180	60	36	12	3RW5544-2HA14	3144B-1254XP00-24H-4-000		M95	\$22,019.18
150	207	60	36	12	3RW5545-2HA14	3144B-1504XP00-24H-4-000		M95	\$24,529.03
	230	60	36	12	3RW5546-2HA14	3144B-1504XP00-24H-4-002		M95	\$26,634.80
200	254	60	36	12	3RW5547-2HA14	3144B-2004XP00-24H-4-000		M95	\$29,125.47
	262	60	36	12	3RW5548-2HA14	3144B-2004XP00-24H-4-002		M95	\$31,851.13
350	450	60	48	12	3RW5552-6HA14	3144B-3504XP00-24H-4-000		M95	\$46,372.25
	470	60	48	12	3RW5553-6HA14	3144B-3504XP00-24H-4-002		M95	\$48,545.95
450	520	60	48	12	3RW5554-6HA14	3144B-4504XP00-24H-4-000		M95	\$46,372.25
700	840	60	48	12	3RW5556-6HA14	3144B-7004XP00-24H-4-000		M95	\$54,667.29
750	900	60	48	12	3RW5558-6HA14	3144B-7504XP00-24H-4-000		M95	\$59,242.84

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 3 HP - 300 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Chassis Mounted High Feature HMI
- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26

- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door mounted HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034XP00-24H-2-000		M95	\$8,694.16
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054XP00-24H-2-000		M95	\$8,936.35
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54XP00-24H-2-000		M95	\$9,185.99
10	23.6	36	24	10	3RW5516-1HA14	3244B-0104XP00-24H-2-000		M95	\$9,457.72
	26.0	36	24	10	3RW5517-1HA14	3244B-0104XP00-24H-2-002		M95	\$9,797.26
15	38.0	40	24	12	3RW5524-1HA14	3244B-0104XP00-24H-2-003		M95	\$11,546.41
	48.0	40	24	12	3RW5525-1HA14	3244B-0154XP00-24H-2-000		M95	\$11,971.05
20	62	40	24	12	3RW5526-1HA14	3244B-0204XP00-24H-2-000		M95	\$12,388.54
25	75.5	40	24	12	3RW5527-1HA14	3244B-0254XP00-24H-2-000		M95	\$12,815.74
	81	40	24	12	3RW5534-2HA14	3244B-0254XP00-24H-2-002		M95	\$13,635.60
30	98	40	24	12	3RW5535-2HA14	3244B-0304XP00-24H-2-000		M95	\$14,644.30
40	105	40	24	12	3RW5536-2HA14	3244B-0404XP00-24H-2-000		M95	\$15,685.91
	122	60	36	12	3RW5543-2HA14	3244B-0404XP00-24H-2-002		M95	\$19,848.23
50	140	60	36	12	3RW5544-2HA14	3244B-0504XP00-24H-2-000		M95	\$21,468.66
60	159	60	36	12	3RW5545-2HA14	3244B-0604XP00-24H-2-000		M95	\$23,813.42
	174	60	36	12	3RW5546-2HA14	3244B-0604XP00-24H-2-002		M95	\$25,919.19
	190	60	36	12	3RW5547-2HA14	3244B-0604XP00-24H-2-003		M95	\$29,125.47
75	200	60	36	12	3RW5548-2HA14	3244B-0754XP00-24H-2-000		M95	\$41,571.37
125	340	60	48	12	3RW5552-6HA14	3244B-1254XP00-24H-2-000		M95	\$44,203.44
150	360	60	48	12	3RW5553-6HA14	3244B-1504XP00-24H-2-000		M95	\$48,339.78
	380	60	48	12	3RW5554-6HA14	3244B-1504XP00-24H-2-002		M95	\$50,329.67
250	670	60	48	12	3RW5556-6HA14	3244B-2504XP00-24H-2-000		M95	\$54,667.29
300	720	60	48	12	3RW5558-6HA14	3244B-3004XP00-24H-2-000		M95	\$58,969.38

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



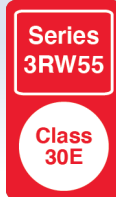
SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Economy Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications



(See pp. 21-25 for Starting Class Details)



Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED
- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26

- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using keypad
- NEMA 4X - Stainless Steel Enclosures
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Door Mounted High Feature HMI
- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54XP00-24H-4-000		M95	\$8,694.16
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104XP00-24H-4-000		M95	\$8,936.35
	22.3	36	24	10	3RW5515-1HA14	3244B-0154XP00-24H-4-000		M95	\$9,185.99
15	23.6	36	24	10	3RW5516-1HA14	3244B-0154XP00-24H-4-002		M95	\$9,457.72
	26.0	36	24	10	3RW5517-1HA14	3244B-0154XP00-24H-4-003		M95	\$9,797.26
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254XP00-24H-4-000		M95	\$11,546.41
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304XP00-24H-4-000		M95	\$11,971.05
40	62	40	24	12	3RW5526-1HA14	3244B-0404XP00-24H-4-000		M95	\$12,388.54
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504XP00-24H-4-000		M95	\$12,815.74
60	81	40	24	12	3RW5534-2HA14	3244B-0604XP00-24H-4-000		M95	\$13,635.60
	98	40	24	12	3RW5535-2HA14	3244B-0754XP00-24H-4-000		M95	\$14,644.30
75	105	40	24	12	3RW5536-2HA14	3244B-0754XP00-24H-4-002		M95	\$15,685.91
	122	60	36	12	3RW5543-2HA14	3244B-0754XP00-24H-4-003		M95	\$19,848.23
100	140	60	36	12	3RW5544-2HA14	3244B-1004XP00-24H-4-000		M95	\$21,468.66
125	159	60	36	12	3RW5545-2HA14	3244B-1254XP00-24H-4-000		M95	\$23,813.42
	174	60	36	12	3RW5546-2HA14	3244B-1254XP00-24H-4-002		M95	\$25,919.19
150	190	60	36	12	3RW5547-2HA14	3244B-1504XP00-24H-4-000		M95	\$29,125.47
	200	60	36	12	3RW5548-2HA14	3244B-1504XP00-24H-4-002		M95	\$41,571.37
250	340	60	48	12	3RW5552-6HA14	3244B-2504XP00-24H-4-000		M95	\$44,203.44
	360	60	48	12	3RW5553-6HA14	3244B-3004XP00-24H-4-000		M95	\$48,339.78
300	380	60	48	12	3RW5554-6HA14	3244B-3004XP00-24H-4-002		M95	\$50,329.67
	600	670	60	48	3RW5556-6HA14	3244B-6004XP00-24H-4-000		M95	\$54,667.29
650	720	60	48	12	3RW5558-6HA14	3244B-6504XP00-24H-4-000		M95	\$58,969.38

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 450 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 450 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 450 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3044B-0034XP00-32B-2-000	M95	\$10,692.48	
	15.9	36	24	10	3RW5514-1HA14	3044B-0034XP00-32B-2-002	M95	\$10,930.84	
5	22	36	24	10	3RW5515-1HA14	3044B-0054XP00-32B-2-000	M95	\$11,176.53	
7.5	28	36	24	10	3RW5516-1HA14	3044B-7P54XP00-32B-2-000	M95	\$11,443.93	
10	34	36	24	10	3RW5517-1HA14	3044B-0104XP00-32B-2-000	M95	\$11,778.07	
15	42	40	24	12	3RW5524-1HA14	3044B-0154XP00-32B-2-000	M95	\$13,494.04	
20	56	40	24	12	3RW5525-1HA14	3044B-0204XP00-32B-2-000	M95	\$13,927.29	
	68	40	24	12	3RW5526-1HA14	3044B-0204XP00-32B-2-002	M95	\$14,325.06	
25	83	40	24	12	3RW5527-1HA14	3044B-0254XP00-32B-2-000	M95	\$14,952.93	
30	101	40	24	12	3RW5534-2HA14	3044B-0304XP00-32B-2-000	M95	\$15,501.83	
40	128	40	24	12	3RW5535-2HA14	3044B-0404XP00-32B-2-000	M95	\$16,548.20	
50	153	40	24	12	3RW5536-2HA14	3044B-0504XP00-32B-2-000	M95	\$17,712.89	
60	186	60	36	12	3RW5543-2HA14	3044B-0604XP00-32B-2-000	M95	\$21,809.16	
75	220	60	36	12	3RW5544-2HA14	3044B-0754XP00-32B-2-000	M95	\$23,805.99	
100	279	60	36	12	3RW5545-2HA14	3044B-1004XP00-32B-2-000	M95	\$26,276.03	
125	328	60	36	12	3RW5546-2HA14	3044B-1254XP00-32B-2-000	M95	\$31,023.01	
150	416	60	36	12	3RW5547-2HA14	3044B-1504XP00-32B-2-000	M95	\$33,481.90	
200	504	60	36	12	3RW5548-2HA14	3044B-2004XP00-32B-2-000	M95	\$45,933.13	
	561	60	48	12	3RW5552-6HA14	3044B-2004XP00-32B-2-002	M95	\$47,983.16	
250	641	60	48	12	3RW5553-6HA14	3044B-2504XP00-32B-2-000	M95	\$49,919.49	
300	748	60	48	12	3RW5554-6HA14	3044B-3004XP00-32B-2-000	M95	\$51,877.80	
400	979	60	48	12	3RW5556-6HA14	3044B-4004XP00-32B-2-000	M95	\$55,935.89	
450	1139	60	48	12	3RW5558-6HA14	3044B-4504XP00-32B-2-000	M95	\$65,310.29	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 7.5 HP - 1000 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 10E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 1000 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Normal Starting (Class 10E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 1000 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Normal Starting (Class 10E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp Range	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3044B-7P54XP00-32B-4-000		M95	\$10,692.48
10	15.9	36	24	10	3RW5514-1HA14	3044B-0104XP00-32B-4-000		M95	\$10,930.84
15	22.3	36	24	10	3RW5515-1HA14	3044B-0154XP00-32B-4-000		M95	\$11,176.53
15	28.4	36	24	10	3RW5516-1HA14	3044B-0154XP00-32B-4-002		M95	\$11,443.93
20	33.5	36	24	10	3RW5517-1HA14	3044B-0204XP00-32B-4-000		M95	\$11,778.07
30	41.6	40	30	12	3RW5524-1HA14	3044B-0304XP00-32B-4-000		M95	\$13,494.04
40	55.5	40	30	12	3RW5525-1HA14	3044B-0404XP00-32B-4-000		M95	\$13,927.29
50	68	40	30	12	3RW5526-1HA14	3044B-0504XP00-32B-4-000		M95	\$14,325.06
60	82.5	40	30	12	3RW5527-1HA14	3044B-0604XP00-32B-4-000		M95	\$14,952.93
75	101	40	30	12	3RW5534-2HA14	3044B-0754XP00-32B-4-000		M95	\$15,501.83
	128	40	30	12	3RW5535-2HA14	3044B-0754XP00-32B-4-002		M95	\$16,548.20
100	153	40	30	12	3RW5536-2HA14	3044B-1004XP00-32B-4-000		M95	\$17,712.89
150	186	60	36	12	3RW5543-2HA14	3044B-1504XP00-32B-4-000		M95	\$21,809.16
	220	60	36	12	3RW5544-2HA14	3044B-1504XP00-32B-4-002		M95	\$23,805.99
200	279	60	36	12	3RW5545-2HA14	3044B-2004XP00-32B-4-000		M95	\$26,276.03
250	328	60	36	12	3RW5546-2HA14	3044B-2504XP00-32B-4-000		M95	\$31,023.01
300	416	60	36	12	3RW5547-2HA14	3044B-3004XP00-32B-4-000		M95	\$33,481.90
400	504	60	48	12	3RW5548-2HA14	3044B-4004XP00-32B-4-000		M95	\$45,933.13
450	561	60	48	12	3RW5552-6HA14	3044B-4504XP00-32B-4-000		M95	\$47,983.16
500	641	60	48	12	3RW5553-6HA14	3044B-5004XP00-32B-4-000		M95	\$49,919.49
600	748	60	48	12	3RW5554-6HA14	3044B-6004XP00-32B-4-000		M95	\$51,877.80
850	979	60	48	12	3RW5556-6HA14	3044B-8504XP00-32B-4-000		M95	\$55,935.89
1000	1139	60	48	12	3RW5558-6HA14	3044B-1K04XP00-32B-4-000		M95	\$65,310.29

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 400 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
 Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 400 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 400 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3144B-0034XP00-32B-2-000		M95	\$10,864.95
5	15.9	36	24	10	3RW5514-1HA14	3144B-0054XP00-32B-2-000		M95	\$11,107.14
7.5	22.3	36	24	10	3RW5515-1HA14	3144B-7P54XP00-32B-2-000		M95	\$11,356.79
	27.2	36	24	10	3RW5516-1HA14	3144B-7P54XP00-32B-2-002		M95	\$11,628.51
10	30.5	36	24	10	3RW5517-1HA14	3144B-0104XP00-32B-2-000		M95	\$11,968.06
15	41.6	40	24	12	3RW5524-1HA14	3144B-0154XP00-32B-2-000		M95	\$13,711.68
20	55.5	40	24	12	3RW5525-1HA14	3144B-0204XP00-32B-2-000		M95	\$14,151.92
25	68	40	24	12	3RW5526-1HA14	3144B-0254XP00-32B-2-000		M95	\$14,556.12
30	82.5	40	24	12	3RW5527-1HA14	3144B-0304XP00-32B-2-000		M95	\$15,194.11
	97	40	24	12	3RW5534-2HA14	3144B-0304XP00-32B-2-002		M95	\$15,751.85
40	113	40	24	12	3RW5535-2HA14	3144B-0404XP00-32B-2-000		M95	\$16,815.10
	126	40	24	12	3RW5536-2HA14	3144B-0404XP00-32B-2-002		M95	\$17,998.58
50	146	60	36	12	3RW5543-2HA14	3144B-0504XP00-32B-2-000		M95	\$22,160.92
60	180	60	36	12	3RW5544-2HA14	3144B-0604XP00-32B-2-000		M95	\$24,189.96
75	207	60	36	12	3RW5545-2HA14	3144B-0754XP00-32B-2-000		M95	\$26,699.82
	230	60	36	12	3RW5546-2HA14	3144B-0754XP00-32B-2-002		M95	\$28,805.60
100	254	60	36	12	3RW5547-2HA14	3144B-1004XP00-32B-2-000		M95	\$31,296.28
	262	60	36	12	3RW5548-2HA14	3144B-1004XP00-32B-2-002		M95	\$34,021.93
150	450	60	48	12	3RW5552-6HA14	3144B-1504XP00-32B-2-000		M95	\$48,543.04
	470	60	48	12	3RW5553-6HA14	3144B-1504XP00-32B-2-002		M95	\$50,716.75
200	520	60	48	12	3RW5554-6HA14	3144B-2004XP00-32B-2-000		M95	\$52,920.70
350	840	60	48	12	3RW5556-6HA14	3144B-3504XP00-32B-2-000		M95	\$56,838.10
400	900	60	48	12	3RW5558-6HA14	3144B-4004XP00-32B-2-000		M95	\$61,413.64

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 7.5 HP - 750 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 20E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General

Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 750 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 20E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using Keypad
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 750 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 20E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp Range	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3144B-7P54XP00-32B-4-000		M95	\$8,694.16
10	15.9	36	24	10	3RW5514-1HA14	3144B-0104XP00-32B-4-000		M95	\$8,936.35
15	22.3	36	24	10	3RW5515-1HA14	3144B-0154XP00-32B-4-000		M95	\$9,185.99
20	27.2	36	24	10	3RW5516-1HA14	3144B-0204XP00-32B-4-000		M95	\$9,457.72
	30.5	36	24	10	3RW5517-1HA14	3144B-0204XP00-32B-4-002		M95	\$9,797.26
30	41.6	40	24	12	3RW5524-1HA14	3144B-0304XP00-32B-4-000		M95	\$11,540.90
40	55.5	40	24	12	3RW5525-1HA14	3144B-0404XP00-32B-4-000		M95	\$11,981.12
50	68	40	24	12	3RW5526-1HA14	3144B-0504XP00-32B-4-000		M95	\$12,385.31
60	82.5	40	24	12	3RW5527-1HA14	3144B-0604XP00-32B-4-000		M95	\$13,023.32
75	97	40	24	12	3RW5534-2HA14	3144B-0754XP00-32B-4-000		M95	\$13,581.06
	113	40	24	12	3RW5535-2HA14	3144B-0754XP00-32B-4-002		M95	\$14,644.30
100	126	40	24	12	3RW5536-2HA14	3144B-1004XP00-32B-4-000		M95	\$15,827.79
	146	60	36	12	3RW5543-2HA14	3144B-1004XP00-32B-4-002		M95	\$19,990.12
125	180	60	36	12	3RW5544-2HA14	3144B-1254XP00-32B-4-000		M95	\$22,019.18
150	207	60	36	12	3RW5545-2HA14	3144B-1504XP00-32B-4-000		M95	\$24,529.03
	230	60	36	12	3RW5546-2HA14	3144B-1504XP00-32B-4-002		M95	\$26,634.80
200	254	60	36	12	3RW5547-2HA14	3144B-2004XP00-32B-4-000		M95	\$29,125.47
	262	60	36	12	3RW5548-2HA14	3144B-2004XP00-32B-4-002		M95	\$31,851.13
350	450	60	48	12	3RW5552-6HA14	3144B-3504XP00-32B-4-000		M95	\$46,372.25
	470	60	48	12	3RW5553-6HA14	3144B-3504XP00-32B-4-002		M95	\$48,545.95
450	520	60	48	12	3RW5554-6HA14	3144B-4504XP00-32B-4-000		M95	\$46,372.25
700	840	60	48	12	3RW5556-6HA14	3144B-7004XP00-32B-4-000		M95	\$54,667.29
750	900	60	48	12	3RW5558-6HA14	3144B-7504XP00-32B-4-000		M95	\$59,242.84

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 300 HP
Volts: 240V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



(See pp. 21-25 for Starting Class Details)

Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter

Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 3 HP - 300 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 240V: 3 HP - 300 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	240V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
3	11.5	36	24	10	3RW5513-1HA14	3244B-0034XP00-32B-2-000		M95	\$10,864.95
5	15.9	36	24	10	3RW5514-1HA14	3244B-0054XP00-32B-2-000		M95	\$11,107.14
7.5	22.3	36	24	10	3RW5515-1HA14	3244B-7P54XP00-32B-2-000		M95	\$11,356.79
	23.6	36	24	10	3RW5516-1HA14	3244B-0104XP00-32B-2-000		M95	\$11,628.51
10	26.0	36	24	10	3RW5517-1HA14	3244B-0104XP00-32B-2-002		M95	\$11,968.06
	38.0	40	24	12	3RW5524-1HA14	3244B-0104XP00-32B-2-003		M95	\$13,717.20
	48.0	40	24	12	3RW5525-1HA14	3244B-0154XP00-32B-2-000		M95	\$14,141.84
15	62	40	24	12	3RW5526-1HA14	3244B-0204XP00-32B-2-000		M95	\$14,559.33
20	75.5	40	24	12	3RW5527-1HA14	3244B-0254XP00-32B-2-000		M95	\$14,986.55
	81	40	24	12	3RW5534-2HA14	3244B-0254XP00-32B-2-002		M95	\$15,806.41
25	98	40	24	12	3RW5535-2HA14	3244B-0304XP00-32B-2-000		M95	\$16,815.10
30	105	40	24	12	3RW5536-2HA14	3244B-0404XP00-32B-2-000		M95	\$17,856.70
	122	60	36	12	3RW5543-2HA14	3244B-0404XP00-32B-2-002		M95	\$22,019.04
40	140	60	36	12	3RW5544-2HA14	3244B-0504XP00-32B-2-000		M95	\$23,639.44
	159	60	36	12	3RW5545-2HA14	3244B-0604XP00-32B-2-000		M95	\$25,984.22
50	174	60	36	12	3RW5546-2HA14	3244B-0604XP00-32B-2-002		M95	\$28,089.98
	190	60	36	12	3RW5547-2HA14	3244B-0604XP00-32B-2-003		M95	\$31,296.28
	200	60	36	12	3RW5548-2HA14	3244B-0754XP00-32B-2-000		M95	\$43,742.17
75	340	60	48	12	3RW5552-6HA14	3244B-1254XP00-32B-2-000		M95	\$46,374.23
125	360	60	48	12	3RW5553-6HA14	3244B-1504XP00-32B-2-000		M95	\$50,510.59
	380	60	48	12	3RW5554-6HA14	3244B-1504XP00-32B-2-002		M95	\$52,500.46
150	670	60	48	12	3RW5556-6HA14	3244B-2504XP00-32B-2-000		M95	\$56,838.10
250	720	60	48	12	3RW5558-6HA14	3244B-3004XP00-32B-2-000		M95	\$61,140.18

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

HP: 7.5 HP - 650 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through-Door
Device: Siemens 3RW55 Series



Soft Starter - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens 3RW55 Soft Starter
Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications



(See pp. 21-25 for Starting Class Details)

Standard Features / Specifications

Pilot Devices

- Illuminated start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Illuminated fault / Reset pushbutton
- Door Mounted High Feature HMI

Standard Features

- 7.5 HP - 650 HP ratings in stock
- Combination circuit breaker disconnect
- Siemens 3RW55 Series Device
- Detachable HMI with color display, local interface, slot for micro SD card
- Three-phase control LED

- Heavy Starting (Class 30E) - Please see Starting Class Details on pp 22-26
- Integrated By-Pass Contact System
- Soft starting and smooth ramp-down
- Current limitation and motor overload protection
- Parameterization using HMI
- NEMA 4X - Stainless Steel Enclosure
- Padlockable door and disconnect
- UL 508A Certified

Power

- 480V: 7.5 HP - 650 HP
- 120V Transformer

Warranty

- Standard two (2) Year Warranty

Applications

- Washdown applications that require Heavy Starting (Class 30E) such as Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Plug-in communication modules (PROFINET, PROFIBUS, Modbus TCP, Modbus, RTU, EtherNet/IP)
- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D		Model Number			
7.5	11.5	36	24	10	3RW5513-1HA14	3244B-7P54XP00-32B-4-000		M95	\$8,694.16
10	15.9	36	24	10	3RW5514-1HA14	3244B-0104XP00-32B-4-000		M95	\$8,936.35
15	22.3	36	24	10	3RW5515-1HA14	3244B-0154XP00-32B-4-000		M95	\$9,185.99
	23.6	36	24	10	3RW5516-1HA14	3244B-0154XP00-32B-4-002		M95	\$9,457.72
	26.0	36	24	10	3RW5517-1HA14	3244B-0154XP00-32B-4-003		M95	\$9,797.26
25	38.0	40	24	12	3RW5524-1HA14	3244B-0254XP00-32B-4-000		M95	\$11,546.41
30	48.0	40	24	12	3RW5525-1HA14	3244B-0304XP00-32B-4-000		M95	\$11,971.05
40	62	40	24	12	3RW5526-1HA14	3244B-0404XP00-32B-4-000		M95	\$12,388.54
50	75.5	40	24	12	3RW5527-1HA14	3244B-0504XP00-32B-4-000		M95	\$12,815.74
60	81	40	24	12	3RW5534-2HA14	3244B-0604XP00-32B-4-000		M95	\$13,635.60
	98	40	24	12	3RW5535-2HA14	3244B-0754XP00-32B-4-000		M95	\$14,644.30
	105	40	24	12	3RW5536-2HA14	3244B-0754XP00-32B-4-002		M95	\$15,685.91
75	122	60	36	12	3RW5543-2HA14	3244B-0754XP00-32B-4-003		M95	\$19,848.23
	140	60	36	12	3RW5544-2HA14	3244B-1004XP00-32B-4-000		M95	\$21,468.66
100	159	60	36	12	3RW5545-2HA14	3244B-1254XP00-32B-4-000		M95	\$23,813.42
	174	60	36	12	3RW5546-2HA14	3244B-1254XP00-32B-4-002		M95	\$25,919.19
150	190	60	36	12	3RW5547-2HA14	3244B-1504XP00-32B-4-000		M95	\$29,125.47
	200	60	36	12	3RW5548-2HA14	3244B-1504XP00-32B-4-002		M95	\$41,571.37
250	340	60	48	12	3RW5552-6HA14	3244B-2504XP00-32B-4-000		M95	\$44,203.44
300	360	60	48	12	3RW5553-6HA14	3244B-3004XP00-32B-4-000		M95	\$48,339.78
	380	60	48	12	3RW5554-6HA14	3244B-3004XP00-32B-4-002		M95	\$50,329.67
600	670	60	48	12	3RW5556-6HA14	3244B-6004XP00-32B-4-000		M95	\$54,667.29
650	720	60	48	12	3RW5558-6HA14	3244B-6504XP00-32B-4-000		M95	\$58,969.38

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
Warranty on pp. 149-152
Enclosure Information on p. 148



HP: 20 HP - 600 HP
Volts: 480V
Enclosure: NEMA 3R
Overload Trip Class: Class 30E

Disconnect: Combination Circuit
 Breaker w/ Through Door
Device: SAF MS6 Series



SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

Soft Starter - Standard Package

Ultra Heavy Duty Panel
 NEMA 3R / SAF MS6 Series Soft Starter
 Severe / Crusher Duty Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Soft Start/Off/ATL bypass selector switch
- Door Mounted Keypad w/ metal protective door cover

- 120VAC control inputs for: start, stop, jog, reset, enable
- Integral start duty bypass
- Soft stop capable
- Instantaneous over-current trip
- Single phase protection
- LCD digital display: start / stop - local / remote - rest

Standard Features

- 20 HP - 600 HP ratings in stock
- Fully Gasketed / NEMA 3R / Heavy Duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (20 HP - 400 HP)
 - Flanged (500 HP - 600 HP)
- SAF MS6 series device
 - User friendly / easy setup
 - Heavy starting: 500% overload for 30 seconds
115% continuous (Class 30E)

- Full start rated contactor
- Service entry rated
- Padlockable door and disconnect
- UL 508A certified

Power

- 480V: 20 HP - 600 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty including SCR's

Applications

- Severe Duty, Crusher Duty and General Purpose applications that require Heavy Starting (Class 30E)

Options

- Fused disconnect available, call for quote

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	Key Pad Built-In	Weight	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D				Model Number			
20	30	36	36	16	MS6-30	✓	128	3120B-0203RP00-27E-4-000	M40	\$8,108.03	
25	30	36	36	16	MS6-30	✓	128	3120B-0253RP00-27E-4-000	M40	\$8,262.47	
30	50	36	36	16	MS6-50	✓	132	3120B-0303RP00-27E-4-000	M40	\$8,189.42	
40	50	36	36	16	MS6-50	✓	142	3120B-0403RP00-27E-4-000	M40	\$8,707.83	
50	75	36	36	16	MS6-80	✓	142	3120B-0503RP00-27E-4-000	M40	\$9,268.20	
60	75	36	36	16	MS6-80	✓	145	3120B-0603RP00-27E-4-000	M40	\$10,702.06	
75	175	36	36	16	MS6-125	✓	178	3120B-0753RP00-27E-4-000	M40	\$10,477.71	
100	125	36	36	16	MS6-125	✓	195	3120B-1003RP00-27E-4-000	M40	\$12,042.36	
125	250	36	36	16	MS6-250	✓	215	3120B-1253RP00-27E-4-000	M40	\$12,775.50	
150	250	48	36	16	MS6-250	✓	219	3120B-1503RP00-27E-4-000	M40	\$14,475.56	
200	250	48	36	16	MS6-250	✓	238	3120B-2003RP00-27E-4-000	M40	\$17,172.00	
250	400	48	36	16	MS6-420	✓	309	3120B-2503RP00-27E-4-000	M40	\$17,757.30	
300	400	48	36	16	MS6-420	✓	325	3120B-3003RP00-27E-4-000	M40	\$20,052.40	
350	400	48	36	16	MS6-420	✓	337	3120B-3503RP00-27E-4-000	M40	\$22,852.94	
400	500	60	36	16	MS6-500	✓	467	3120B-4003RP00-27E-4-000	M40	\$26,632.30	
500	600	60	49	18	MS6-600	✓	505	3120B-500FRP00-27E-4-000	M40	\$33,330.52	
600	800	72	61	18	MS6-800	✓	555	3120B-600FRP00-27E-4-000	M40	\$38,804.91	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 20 HP - 600 HP
Volts: 480V
Enclosure: NEMA 4/12
Overload Trip Class: Class 30E

Disconnect: Combination Circuit Breaker w/ Through Door
Device: SAF MS6 Series



Soft Starter - Standard Package

Ultra Heavy Duty Panel

NEMA 4/12 / SAF MS6 Series Soft Starter

Severe / Crusher Duty Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Soft Start/Off/ATL bypass selector switch
- Door mounted keypad w/ protective metal cover

Standard Features

- 20 HP - 600 HP ratings in stock
- NEMA 4/12 - Heavy Duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (20 HP - 400 HP)
 - Flanged (500 HP - 600 HP)
- SAF MS6 series device
 - User friendly / easy setup
 - Heavy starting: 500% overload for 30 seconds
 - 115% continuous (Class 30E)

- 120VAC control inputs for: start, stop, jog, reset, enable
- Integral start duty bypass
- Soft stop capable
- Instantaneous over-current trip
- Single phase protection
- LCD digital display: start / stop - local / remote - rest
- Full start rated contactor
- Service entry rated
- Padlockable door and disconnect
- UL 508A certified

Power

- 480V: 20 HP - 600 HP
- 120V Transformer

Warranty

- Standard two (2) year warranty including SCR's

Applications

- Severe Duty, Crusher Duty and General Purpose applications that require Heavy Starting (Class 30E)

Options

- Other options available

HP ¹	Amp	Dimensions (inches)			Chassis Part Number	Key Pad Built-In	Weight	480V w/ 120V Transformer		Mult. Symbol	List Price
		H	W	D				Model Number			
20	30	36	36	16	MS6-30	✓	128	3120B-0204TP00-27E-4-000	M40	\$8,108.03	
25	30	36	36	16	MS6-30	✓	128	3120B-0254TP00-27E-4-000	M40	\$8,262.47	
30	50	36	36	16	MS6-50	✓	132	3120B-0304TP00-27E-4-000	M40	\$8,189.42	
40	50	36	36	16	MS6-50	✓	142	3120B-0404TP00-27E-4-000	M40	\$8,707.83	
50	75	36	36	16	MS6-80	✓	142	3120B-0504TP00-27E-4-000	M40	\$9,268.20	
60	75	36	36	16	MS6-80	✓	145	3120B-0604TP00-27E-4-000	M40	\$11,221.56	
75	125	36	36	16	MS6-125	✓	178	3120B-0754TP00-27E-4-000	M40	\$10,477.70	
100	125	36	36	16	MS6-125	✓	195	3120B-1004TP00-27E-4-000	M40	\$12,042.36	
125	250	36	36	16	MS6-250	✓	215	3120B-1254TP00-27E-4-000	M40	\$13,395.68	
150	250	48	36	16	MS6-250	✓	219	3120B-1504TP00-27E-4-000	M40	\$15,178.26	
200	250	48	36	16	MS6-250	✓	238	3120B-2004TP00-27E-4-000	M40	\$18,005.60	
250	400	48	36	16	MS6-420	✓	309	3120B-2504TP00-27E-4-000	M40	\$18,619.32	
300	400	48	36	16	MS6-420	✓	325	3120B-3004TP00-27E-4-000	M40	\$21,025.82	
350	400	48	36	16	MS6-420	✓	337	3120B-3504TP00-27E-4-000	M40	\$23,962.31	
400	500	60	36	16	MS6-500	✓	467	3120B-4004TP00-27E-4-000	M40	\$27,925.13	
500	600	60	49	18	MS6-600	✓	505	3120B-500FTP00-27E-4-000	M40	\$34,948.51	
600	800	72	61	18	MS6-800	✓	555	3120B-600FTP00-27E-4-000	M40	\$38,804.91	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 107-108
 Warranty on pp. 149-152
 Enclosure Information on p. 148



3000 SERIES	REDUCED VOLTAGE SOFT STARTER (RVSS) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS		
004	Start pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
007	Jog Pushbutton	\$171.40
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
008	Soft Start or VFD Chassis Reset Pushbutton	\$171.40
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
065	High Visibility Status Light (PLC may required for complete functionality)	\$309.26
SELECTOR SWITCHES		
024	Hand - Off - Auto / HOA Selector Switch	\$247.78
025	Local - Off - Remote Selector Switch	\$247.78
026	Key Operated Hand - Off - Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
METERS		
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS		
037	24/7 Programmable Timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
ADVANCED FAULT / STATUS MONITORING OPTIONS		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
040	Murphy Switch Interface W/ Fault Recall Function	\$1,978.51
052	Two Way Cellular Communication & Functionality	☎
061	Cloud Based Remote Monitoring	☎
SPACE HEATERS		
034	Space Heater with Thermostat	\$529.10
PROTECTION MECHANISMS		
041	Surge suppressor	\$381.30
115	SymCom MotorSaver® Model 460	\$253.37
063	"Lightning and Surge" Protection" (pp. 162) - All panels will include line side lightning, surge and severe over voltage protection. In addition, all soft starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection.	\$1,552.50
MAIN LINE ONLY BOXES		
070	Main Line Only Box: 20" Tall, 16" Wide , 12" Depth	\$2,234.36
FLOOR STANDS		
SPFSK-1212-W	2 Legs; 12" Tall, 12" Depth	\$276.97
SPFSK-1216-W	2 Legs; 12" Tall, 16" Depth	\$310.50

MotorSaver® is a registered trademark of SymCom, Inc.

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.



3000 SERIES	SOFT STARTER DRIVE SERIES OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
COMMUNICATION MODULES 3RW50 PANEL MOUNTED		
5001	Communication Module Ethernet/IP	\$1062.92
5002	Communication Module PROFIBUS	\$1062.92
5003	Communication Module Modbus RTU	\$1062.92
5004	Communication Module Modbus TCP	\$1062.92
5005	Communication Module PROFINET Standard	\$1062.92
3RW50 HMI PANEL OPTIONS		
5006	High Feature HMI Chassis Mounted	\$1011.41
5007	Standard HMI Chassis Mounted	\$602.79
3RW52 HMI PANEL OPTIONS		
5201	High Feature HMI Chassis Mounted	\$944.53
5202	Standard HMI Chassis Mounted	\$450.47
COMMUNICATION MODULES 3RW52 PANEL MOUNTED		
5203	Communication Module Ethernet/IP	\$868.00
5204	Communication Module PROFIBUS	\$868.00
5205	Communication Module Modbus RTU	\$868.00
5206	Communication Module Modbus TCP	\$868.00
5207	Communication Module PROFINET Standard	\$868.00
COMMUNICATION MODULES 3RW55 PANEL MOUNTED		
5501	Communication Module Ethernet/IP	\$868.00
5502	Communication Module PROFIBUS	\$868.00
5503	Communication Module Modbus RTU	\$868.00
5504	Communication Module Modbus TCP	\$868.00
5505	Communication Module PROFINET Standard	\$941.81
5506	Communication Module PROFINET High Feature w/Integral Switch	\$888.49

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HP: 1 HP - 75 HP
Volts: 240V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive

Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 75 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)
 - Sensorless vector control (SLVC)

- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x 1L for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x 1H for 60s
- Communication: PROFINET, EtherNet I/P™

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
 - PID loop control capable with analog input
 - DC choke built-in
- Power**
- Variable 240V: 1 HP - 75 HP
 - Fundamental power factor (Cos ϕ): 0.96 - 0.99
- Warranty**
- Two (2) year warranty
- Options**
- I/O Extension module (call for price)
 - Smart Access Module (call for price)
 - USS, Modbus RTU, BACnet MS/TP (Call for price)
 - PROPFIBUS DP (Call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	240V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	4.2	17.4	4.4	9	G120X	FSA	6SL3220-3YC10-OUFO-NEMA1	M208	\$1,327.02	
1.5	6	17.4	4.4	9	G120X	FSA	6SL3220-3YC12-OUFO-NEMA1	M208	\$1,340.90	
2	7.4	17.4	4.4	9	G120X	FSA	6SL3220-3YC14-OUFO-NEMA1	M208	\$1,390.13	
3	10.4	17.4	5.2	9	G120X	FSB	6SL3220-3YC16-OUFO-NEMA1	M208	\$1,445.67	
4	13.6	17.4	5.2	9	G120X	FSB	6SL3220-3YC18-OUFO-NEMA1	M208	\$1,556.74	
5	17.5	17.4	5.2	9	G120X	FSB	6SL3220-3YC20-OUFO-NEMA1	M208	\$1,647.63	
7.5	22	18.6	6.7	9	G120X	FSC	6SL3220-3YC22-OUFO-NEMA1	M208	\$2,076.91	
10	28	18.6	6.7	9	G120X	FSC	6SL3220-3YC24-OUFO-NEMA1	M208	\$2,184.34	
15	42	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC26-OUFO-NEMA1	M208	\$3,234.96	
20	54	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC28-OUFO-NEMA1	M208	\$3,956.97	
25	68	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC30-OUFO-NEMA1	M208	\$4,704.89	
30	80	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC32-OUFO-NEMA1	M208	\$5,402.19	
40	104	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC34-OUFO-NEMA1	M208	\$6,646.31	
50	130	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC36-OUFO-NEMA1	M208	\$7,842.23	
60	154	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC38-OUFO-NEMA1	M208	\$9,202.93	
75	192	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC40-OUFO-NEMA1	M208	\$11,054.85	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 1 HP - 75 HP
Volts: 240V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive

Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 75 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)

- Sensorless vector control (SLVC)
- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IH for 60s
- Communication:USS, Modbus, RTU, BACnet MS / TP

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
- PID loop control capable with analog input
- DC choke built-in

Power

- Variable 240V: 1 HP - 75 HP
- Fundamental power factor (Cos ϕ): 0.96 - 0.99

Warranty

- Two (2) year warranty

Options

- I/O Extension Module (LIST Price = \$400)
- Smart Access Module (call for price)
- PROFINET, Ethernet I/P™
- PROPFIBUS DP (call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	240V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	4.2	17.4	4.4	9	G120X	FSA	6SL3220-3YC10-0UB0-NEMA1	M208	\$1,327.02	
1.5	6	17.4	4.4	9	G120X	FSA	6SL3220-3YC12-0UB0-NEMA1	M208	\$1,340.90	
2	7.4	17.4	4.4	9	G120X	FSA	6SL3220-3YC14-0UB0-NEMA1	M208	\$1,387.74	
3	10.4	17.4	5.2	9	G120X	FSB	6SL3220-3YC16-0UB0-NEMA1	M208	\$1,445.67	
4	13.6	17.4	5.2	9	G120X	FSB	6SL3220-3YC18-0UB0-NEMA1	M208	\$1,556.74	
5	17.5	17.4	5.2	9	G120X	FSB	6SL3220-3YC20-0UB0-NEMA1	M208	\$1,647.63	
7.5	22	18.6	6.7	9	G120X	FSC	6SL3220-3YC22-0UB0-NEMA1	M208	\$2,076.91	
10	28	18.6	6.7	9	G120X	FSC	6SL3220-3YC24-0UB0-NEMA1	M208	\$2,184.34	
15	42	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC26-0UB0-NEMA1	M208	\$3,234.96	
20	54	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC28-0UB0-NEMA1	M208	\$3,956.97	
25	68	29.7	9.1	10.1	G120X	FSD	6SL3220-3YC30-0UB0-NEMA1	M208	\$4,704.89	
30	80	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC32-0UB0-NEMA1	M208	\$5,402.19	
40	104	34.7	11.8	10.1	G120X	FSE	6SL3220-3YC34-0UB0-NEMA1	M208	\$6,646.31	
50	130	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC36-0UB0-NEMA1	M208	\$7,842.23	
60	154	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC38-0UB0-NEMA1	M208	\$9,202.93	
75	192	44.7	13.3	14.9	G120X	FSF	6SL3220-3YC40-0UB0-NEMA1	M208	\$11,054.85	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 400 HP
 Volts: 480V
 Enclosure: NEMA 1

Drive: Siemens G120X
 Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive

Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)
 - Sensorless vector control (SLVC)

- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating
- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IH for 60s
- Communication: PROFINET, EtherNet IP™

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
 - PID loop control capable with analog input
 - DC choke built-in
- Power**
- Variable 480V: 1 HP - 400 HP
 - Fundamental power factor (Cos ϕ): 0.96 - 0.99
- Warranty**
- Two (2) year warranty
- Options**
- I/O Extension module (LIST Price = \$400)
 - Smart Access Module (call for price)
 - USS, Modbus RTU, BACnet MS/TP (Call for price)
 - PROPFIBUS DP (Call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	480V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	2.1	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE10-OUFO-NEMA1	M208	\$993.78	
1.5	3	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE12-OUFO-NEMA1	M208	\$1,007.43	
2	3.4	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE14-OUFO-NEMA1	M208	\$1,053.41	
3	4.8	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE16-OUFO-NEMA1	M208	\$1,105.57	
4	6.2	17.4	4.4	9.0	G120X	FSA	6SL3220-3YE18-OUFO-NEMA1	M208	\$1,211.17	
5	7.6	17.4	5.2	9.0	G120X	FSB	6SL3220-3YE20-OUFO-NEMA1	M208	\$1,296.88	
7.5	11	17.4	5.2	9.0	G120X	FSB	6SL3220-3YE22-OUFO-NEMA1	M208	\$1,402.46	
10	14	17.4	5.2	9.0	G120X	FSB	6SL3220-3YE24-OUFO-NEMA1	M208	\$1,612.40	
15	21	18.6	6.7	9.0	G120X	FSC	6SL3220-3YE26-OUFO-NEMA1	M208	\$1,947.79	
20	27	18.6	6.7	9.0	G120X	FSC	6SL3220-3YE28-OUFO-NEMA1	M208	\$2,408.66	
25	34	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE30-OUFO-NEMA1	M208	\$3,247.15	
30	40	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE32-OUFO-NEMA1	M208	\$3,809.87	
40	52	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE34-OUFO-NEMA1	M208	\$4,663.27	
50	65	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE36-OUFO-NEMA1	M208	\$5,517.91	
60	77	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE38-OUFO-NEMA1	M208	\$6,387.46	
75	96	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE40-OUFO-NEMA1	M208	\$7,671.91	
100	124	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE42-OUFO-NEMA1	M208	\$9,054.51	
125	156	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE44-OUFO-NEMA1	M208	\$10,731.49	
150	180	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE46-OUFO-NEMA1	M208	\$12,163.78	
200	240	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE48-OUFO-NEMA1	M208	\$13,583.61	
250	302	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE50-OCFO-NEMA1	M208	\$15,993.52	
300	361	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE52-OCFO-NEMA1	M208	\$18,407.12	
400	477	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE54-OCFO-NEMA1	M208	\$22,993.39	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 400 HP
Volts: 480V
Enclosure: NEMA 1

Drive: Siemens G120X
Torque: Variable / Low Overload



VFD - NEMA 1 Chassis

Siemens G120X Series Drive

Heavy Duty / Heavy Gauge Steel Enclosures

Standard Features/Specifications

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 1 Enclosure Heavy Duty / Heavy gauge steel
- UL Type 1 Certification
- Input frequency: 47 Hz - 63 Hz
- Output frequency
 - FSA - FSG - 0 Hz - 550 Hz (depending upon the control mode)
- Efficiency class: IE2 (Based on power losses according to EN 50598-2 and IEC 61800-9-2)
- Efficiency (η) 98%
- Motor control
 - V/Hz Control (linear with flux current control / FCC, parabolic and eco mode)

- Sensorless vector control (SLVC)
- Operating temperature
 - 4°F - 113°F (-20°C - 45°C) without derating
 - > 113°F - 140°F (> 45°C - 60°C) with derating
 - For up to 55° C (131°F) with derating

- Overload
 - Low Overload (LO) / Variable Torque (VT) 110% x IL for 60s
 - High Overload (HO) / Constant Torque (CT) 150% x IH for 60s
- Communication:USS, Modbus, RTU, BACnet MS / TP

- User interface: Intelligent Operator Panel (IOP-2) - a high resolution graphical color keypad
- PID loop control capable with analog input
- DC choke built-in

Power

- Variable 480V: 1 HP - 400 HP
- Fundamental power factor (Cos ϕ): 0.96 - 0.99

Warranty

- Two (2) year warranty

Options

- I/O Extension Module (LIST Price = \$400)
- Smart Access Module (call for price)
- PROFINET, Ethernet I/P™
- PROPFIBUS DP (call for price)

Variable Torque		Dimensions (inches)			Drive Series	Chassis Frame	480V		Mult. Symbol	List Price
HP ¹	Amp Range	H	W	D			Model Number			
1	2.1	17.4	4.4	9	G120X	FSA	6SL3220-3YE10-0UB0-NEMA1	M208	\$994.77	
1.5	3	17.4	4.4	9	G120X	FSA	6SL3220-3YE12-0UB0-NEMA1	M208	\$1,007.43	
2	3.4	17.4	4.4	9	G120X	FSA	6SL3220-3YE14-0UB0-NEMA1	M208	\$1,058.36	
3	4.8	17.4	4.4	9	G120X	FSA	6SL3220-3YE16-0UB0-NEMA1	M208	\$1,105.57	
4	6.2	17.4	4.4	9	G120X	FSA	6SL3220-3YE18-0UB0-NEMA1	M208	\$1,211.17	
5	7.6	17.4	5.2	9	G120X	FSB	6SL3220-3YE20-0UB0-NEMA1	M208	\$1,296.88	
7.5	11	17.4	5.2	9	G120X	FSB	6SL3220-3YE22-0UB0-NEMA1	M208	\$1,402.46	
10	14	17.4	5.2	9	G120X	FSB	6SL3220-3YE24-0UB0-NEMA1	M208	\$1,612.40	
15	21	18.6	6.7	9	G120X	FSC	6SL3220-3YE26-0UB0-NEMA1	M208	\$1,947.79	
20	27	18.6	6.7	9	G120X	FSC	6SL3220-3YE28-0UB0-NEMA1	M208	\$2,408.66	
25	34	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE30-0UB0-NEMA1	M208	\$3,247.15	
30	40	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE32-0UB0-NEMA1	M208	\$3,809.87	
40	52	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE34-0UB0-NEMA1	M208	\$4,663.27	
50	65	29.7	9.1	10.1	G120X	FSD	6SL3220-3YE36-0UB0-NEMA1	M208	\$5,517.91	
60	77	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE38-0UB0-NEMA1	M208	\$6,387.46	
75	96	34.7	11.8	10.1	G120X	FSE	6SL3220-3YE40-0UB0-NEMA1	M208	\$7,671.91	
100	124	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE42-0UB0-NEMA1	M208	\$9,054.51	
125	156	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE44-0UB0-NEMA1	M208	\$10,731.49	
150	180	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE46-0UB0-NEMA1	M208	\$12,163.78	
200	240	44.7	13.3	14.9	G120X	FSF	6SL3220-3YE48-0UB0-NEMA1	M208	\$13,583.61	
250	302	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE50-0CB0-NEMA1	M208	\$15,993.52	
300	361	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE52-0CB0-NEMA1	M208	\$18,407.12	
400	477	62.9	13.3	14.9	G120X	FSG	6SL3220-3YE54-0CB0-NEMA1	M208	\$22,993.39	

*** Notes:**

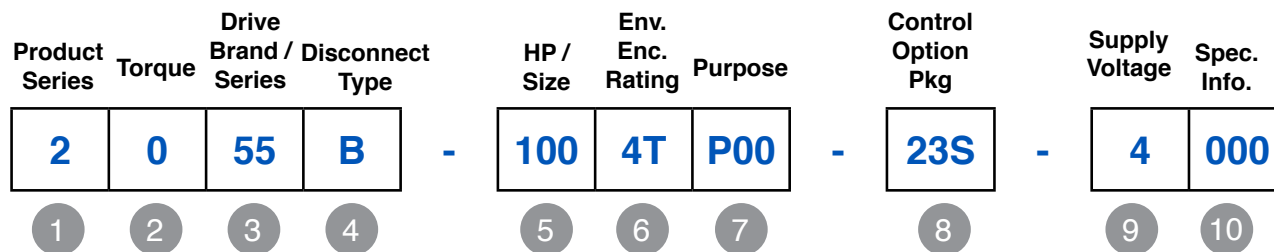
1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Warranty on pp. 149-152
 Enclosure Information on p. 148



Model Number Identifier

Variable Frequency Drive Panels - 2000 Series



Product Series

- 2 - Variable Frequency Drive (VFD)

Torque

- 0 - VT (110%) Normal Duty
1 - CT (150%) Heavy Duty
2 - Submersible
4 - Duplex

Drive Brand / Series

- 5x - SIEMENS
50 - G120
55 - G120X
51 - G130

Disconnect Type

- B - Breaker
F - Fused
N - None

HP / Size

- 005 - 5
7P5 - 7.5 030 - 30
010 - 10 ...
015 - 15 ...
020 - 20 700 - 700

Env. Enc. Rating

- N1—NEMA 1
3R—NEMA 3R
FR—NEMA 3R Flanged
T2—NEMA 3R Tunnel
T3—NEMA 3R Flanged Tun
N4—NEMA 4
4T—NEMA 4/12
FT—NEMA 4/12 Flanged
4X—NEMA 4X 304 SS
FX—NEMA 4X 304 SS Flanged
4S—NEMA 4X 316 SS
FS—NEMA 4X 316 SS Flanged
4P—NEMA 4X Polycarbon
4F—NEMA 4 Flanged
42—NEMA 12
F2—NEMA 12 Flanged

Purpose

- P00 - General
P01 - Irrigation (IRR)
P02 - Positive Displacement Pump (PDP)
P1B - ReGen Avoidance
P1C - RenGen Drive
INT - Integrator
P18 - 18 Pulse

Control Option Pkg.

- E.g. 13M
• Hand/Off/Auto (HOA)
• Start Pushbutton
• 1 Turn Potentiometer
Other options available - Please refer to pp.156-157, or contact us at 800-884-0404 for assistance.

Supply Voltage

- 1 - 208/3PH
2 - 240/3PH
4 - 480/3PH
5 - 575/3PH

Spec. Info.

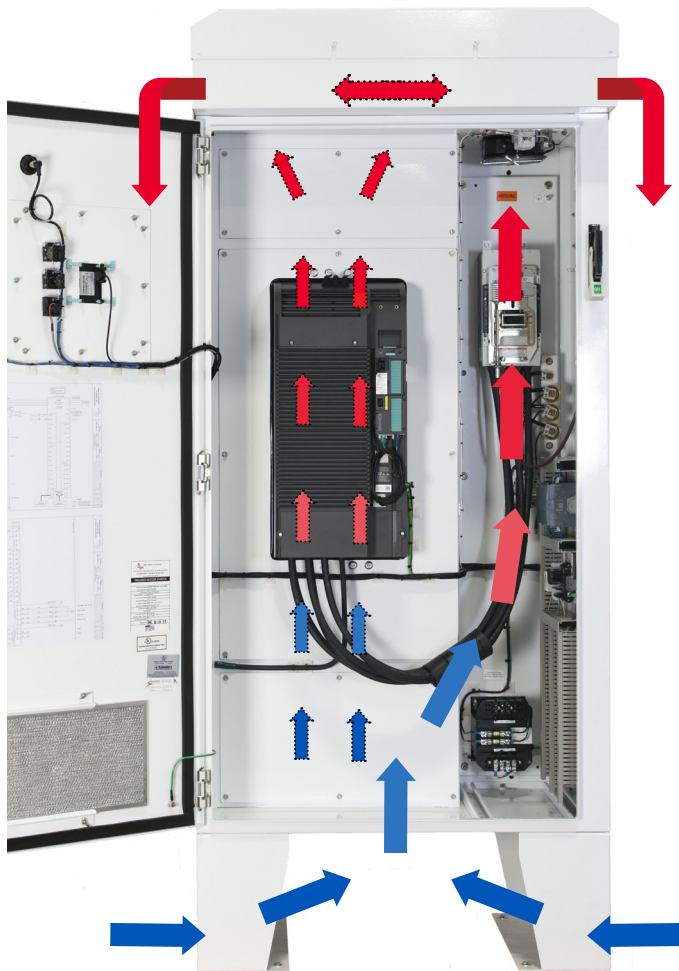
- 000—None
SPC—Special Instructions
065—High Visibility Status Light
☎— Multiple Options Available (pp. 156-157)



Advanced Tunnel Design for Maximum Cooling

NAE's Vortex™ Cooling Tunnel is designed for select Variable Frequency Drive NEMA 3R Enclosures. This innovative design efficiently maximizes cooling of drive components and significantly reduces contamination inside the Enclosure.

Contact us for more information.



Top



Side



Back



Bottom



powered by
SIEMENS

Features:

- 53" and up
- NEMA 3R only
- 40°C / 104°F VT; 50°C / 122°F CT (G120)
- 45°C / 113°F VT and CT (G120X)
- Significantly reduces contaminants



HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

General Purpose Panel
 NEMA 3R / Siemens G120X Series
 General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 50 HP; Windowed 60 HP - 700 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (60 HP - 400 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 700 HP)
- Pre engineered drive solutions for general applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (15 HP - 700 HP)
- Leg stands included (60 HP - 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0013RP00-26K-4-000	M220	\$7,325.13	
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P53RP00-26K-4-000	M220	\$7,341.61	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0023RP00-26K-4-000	M220	\$7,397.61	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0033RP00-26K-4-000	M220	\$7,461.83	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0053RP00-26K-4-000	M220	\$7,687.44	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P53RP00-26K-4-000	M220	\$7,817.56	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0103RP00-26K-4-000	M220	\$8,076.11	
15	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0153RP00-26K-4-000	M220	\$9,695.00	
20	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0203RP00-26K-4-000	M220	\$10,158.95	
25	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2055B-0253RP00-26K-4-000	M220	\$11,358.81	
30	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2055B-0303RP00-26K-4-000	M220	\$11,864.50	
40	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2055B-0403RP00-26K-4-000	M220	\$12,445.51	
50	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2055B-0503RP00-26K-4-000	M220	\$17,418.62	
60	77	53	36	20	G120X	6SL32203YE380UF0	--	✓	2055B-060T3P00-23S-4-000	M220	\$17,525.25	
75	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2055B-075T3P00-23S-4-000	M220	\$18,764.49	
100	124	53	36	20	G120X	6SL32203YE420UF0	--	✓	2055B-100T3P00-23S-4-000	M220	\$20,515.31	
125	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2055B-125T3P00-23S-4-000	M220	\$22,443.34	
150	180	53	36	20	G120X	6SL32203YE460UF0	--	✓	2055B-150T3P00-23S-4-000	M220	\$29,256.29	
200	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2055B-200T3P00-23S-4-000	M220	\$33,278.08	
250	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2055B-250T3P00-23S-4-000	M220	\$35,478.47	
300	361	65	40	22	G120X	6SL32203YE520CF0	--	✓	2055B-300T3P00-23S-4-000	M220	\$37,521.80	
350	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-350T3P00-23S-4-000	M220	\$47,633.18	
400	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-400T3P00-23S-4-000	M220	\$50,414.85	
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450FRP00-23S-4-000	M220	\$72,045.01	
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500FRP00-23S-4-000	M220	\$83,225.92	
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600FRP00-23S-4-000	M220	\$101,837.00	
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700FRP00-23S-4-000	M220	\$114,562.45	

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER
VARIABLE FREQUENCY DRIVE
APPENDIX

HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

General Purpose Panel
NEMA 3R / Siemens G120X Series
General Purpose Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (50 HP -500 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (10 HP - 500 HP)
- Leg stands included (50 HP-300 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-0013RP00-26K-4-000	M220	\$7,338.29
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P53RP00-26K-4-000	M220	\$7,392.66
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-0023RP00-26K-4-000	M220	\$7,455.23
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-0033RP00-26K-4-000	M220	\$7,580.38
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-0053RP00-26K-4-000	M220	\$7,806.01
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P53RP00-26K-4-000	M220	\$8,054.70
10	14	41	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0103RP00-26K-4-000	M220	\$9,671.33
15	21	41	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0153RP00-26K-4-000	M220	\$10,125.78
20	27	47	24	14	G120X	6SL32203YE300UF0	--	✓	2155B-0203RP00-26K-4-000	M220	\$11,358.81
25	34	47	24	14	G120X	6SL32203YE320UF0	--	✓	2155B-0253RP00-26K-4-000	M220	\$11,784.57
30	40	47	24	14	G120X	6SL32203YE340UF0	--	✓	2155B-0303RP00-26K-4-000	M220	\$12,285.63
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP00-26K-4-000	M220	\$15,977.63
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P00-26K-4-000	M220	\$17,418.62
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P00-26K-4-000	M220	\$18,424.43
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P00-26K-4-000	M220	\$20,433.16
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P00-26K-4-000	M220	\$22,443.34
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P00-26K-4-000	M220	\$28,602.09
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P00-26K-4-000	M220	\$30,966.75
200	240	65	40	22	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P00-26K-4-000	M220	\$35,086.51
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P00-26K-4-000	M220	\$36,965.55
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P00-26K-4-000	M220	\$45,111.44
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP00-26K-4-000	M220	\$65,770.44
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP00-26K-4-000	M220	\$84,980.29
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP00-26K-4-000	M220	\$84,980.29
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP00-26K-4-000	M220	\$101,289.99

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
Warranty on pp. 149-152
Enclosure Information on p. 148



HP: 1 HP - 400 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



VFD - Standard Package

General Purpose Panel
 NEMA 3R / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 50 HP; Windowed 60 HP - 400 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure/ Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (40° C/ 104° F) (60 HP - 400 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 400 HP)
- Pre engineered drive solutions for general applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering

- Surge suppressor
- Heavy duty lifting ears (50 HP - 400 HP)
- Leg stands included (60 HP - 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 400 HP⁶

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-0013RP00-26K-4-000	M230	\$9,917.80
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P53RP00-26K-4-000	M230	\$9,992.81
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-0023RP00-26K-4-000	M230	\$10,094.04
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-0033RP00-26K-4-000	M230	\$10,123.07
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-0053RP00-26K-4-000	M230	\$10,770.45
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P53RP00-26K-4-000	M230	\$11,040.90
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-0103RP00-26K-4-000	M230	\$11,568.16
15	26	30	24	12	G120	6SL32101PE227UL0	✓	--	2050B-0153RP00-26K-4-000	M230	\$12,392.24
20	32	30	24	12	G120	6SL32101PE233UL0	✓	--	2050B-0203RP00-26K-4-000	M230	\$13,399.60
25	38	36	24	12	G120	6SL32101PE238UL0	--	✓	2050B-0253RP00-26K-4-000	M230	\$15,655.26
30	45	36	24	12	G120	6SL32101PE245UL0	--	✓	2050B-0303RP00-26K-4-000	M230	\$16,000.98
40	60	36	24	12	G120	6SL32101PE260UL0	--	✓	2050B-0403RP00-26K-4-000	M230	\$19,061.15
50	75	47	24	14	G120	6SL32101PE275UL0	--	✓	2050B-0503RP00-26K-4-000	M230	\$19,441.92
60	90	53	36	16	G120	6SL32101PE288UL0	--	✓	2050B-060T3P00-23S-4-000	M230	\$22,932.92
75	110	53	36	16	G120	6SL32101PE311UL0	--	✓	2050B-075T3P00-23S-4-000	M230	\$24,734.35
100	145	53	36	20	G120	6SL32101PE315UL0	--	✓	2050B-100T3P00-23S-4-000	M230	\$28,168.70
125	178	53	36	20	G120	6SL32101PE318UL0	--	✓	2050B-125T3P00-23S-4-000	M230	\$30,745.22
150	205	53	36	20	G120	6SL32101PE321UL0	--	✓	2050B-150T3P00-23S-4-000	M230	\$33,551.51
200	250	53	36	20	G120	6SL32101PE325UL0	--	✓	2050B-200T3P00-23S-4-000	M230	\$38,326.23
250	302	65	40	22	G120	6SL32240XE413UA0	--	✓	2050B-250FRP00-23S-4-000	M230	\$46,617.97
300	370	65	40	22	G120	6SL32240XE416UA0	✓	--	2050B-300FRP00-23S-4-000	M230	\$50,208.58
350	477	65	40	22	G120	6SL32240XE420UA0	✓	--	2050B-350FRP00-23S-4-000	M230	\$55,727.74
400	477	65	40	22	G120	6SL32240XE420UA0	✓	--	2050B-400FRP00-23S-4-000	M230	\$57,076.83

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 1 HP - 300 HP
Volts: 240V / 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

General Purpose Panel
 NEMA 3R / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 300 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed /
- Vortex Cooling Tunnel design for maximum cooling (45°C/ 113°F) (50 HP -300 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 10 HP) (15 HP -50 HP)
 - Flanged (50 HP - 300 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Heavy duty lifting ears (40 HP - 300 HP)
- Leg stands included (50 HP - 300 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 300 HP⁸

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-0013RP00-26K-4-000	M230	\$9,967.27
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P53RP00-26K-4-000	M230	\$10,091.72
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-0023RP00-26K-4-000	M230	\$10,242.36
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-0033RP00-26K-4-000	M230	\$10,276.23
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-0053RP00-26K-4-000	M230	\$11,017.68
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P53RP00-26K-4-000	M230	\$11,560.03
10	18	30	24	12	G120	6SL32101PE227UL0	--	✓	2150B-0103RP00-26K-4-000	M230	\$12,309.81
15	26	30	24	12	G120	6SL32101PE233UL0	--	✓	2150B-0153RP00-26K-4-000	M230	\$13,381.03
20	32	30	24	12	G120	6SL32101PE238UL0	--	✓	2150B-0203RP00-26K-4-000	M230	\$14,022.38
25	38	36	24	12	G120	6SL32101PE245UL0	--	✓	2150B-0253RP00-26K-4-000	M230	\$15,952.16
30	45	36	24	12	G120	6SL32101PE260UL0	--	✓	2150B-0303RP00-26K-4-000	M230	\$17,421.05
40	60	47	24	14	G120	6SL32101PE275UL0	--	✓	2150B-0403RP00-26K-4-000	M230	\$19,061.15
50	75	53	36	16	G120	6SL32101PE288UL0	--	✓	2150B-050T3P00-26K-4-000	M230	\$22,836.42
60	90	53	36	16	G120	6SL32101PE311UL0	--	✓	2150B-060T3P00-26K-4-000	M230	\$24,734.35
75	110	65	36	20	G120	6SL32101PE315UL0	--	✓	2150B-075T3P00-26K-4-000	M230	\$28,035.43
100	145	53	36	20	G120	6SL32101PE318UL0	--	✓	2150B-100T3P00-26K-4-000	M230	\$30,745.22
125	178	53	36	20	G120	6SL32101PE321UL0	--	✓	2150B-125T3P00-26K-4-000	M230	\$33,064.41
150	205	53	36	20	G120	6SL32101PE325UL0	--	✓	2150B-150T3P00-26K-4-000	M230	\$35,870.72
200	250	53	36	20	G120	6SL32240XE413UA0	✓	--	2150B-200FRP00-26K-4-000	M230	\$46,602.66
250	302	65	40	22	G120	6SL32240XE416UA0	✓	--	2150B-250FRP00-26K-4-000	M230	\$51,374.27
300	370	65	40	22	G120	6SL32240XE420UA0	✓	--	2150B-300FRP00-26K-4-000	M230	\$56,507.42

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Industrial Package

General Purpose Panel
 NEMA 12 / Siemens G120X Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 12 / Heavy Duty Enclosure / Fully Gasketed
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 75 HP)
 - Flanged (100 HP - 700 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Standard two (2) year warranty

Applications

- Industrial / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number				
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-00142P00-360-4-000	25k	M220	\$5,429.76	
									2055B-00142P00-361-4-000	65k		\$6,356.69	
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P542P00-360-4-000	25k	M220	\$5,445.77	
									2055B-1P542P00-361-4-000	65k		\$6,372.70	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-00242P00-360-4-000	25k	M220	\$5,501.71	
									2055B-00242P00-361-4-000	65k		\$6,428.64	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-00342P00-360-4-000	25k	M220	\$5,567.27	
									2055B-00342P00-361-4-000	65k		\$6,494.20	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-00542P00-360-4-000	25k	M220	\$5,792.71	
									2055B-00542P00-361-4-000	65k		\$6,719.64	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P542P00-360-4-000	25k	M220	\$5,925.42	
									2055B-7P542P00-361-4-000	65k		\$6,852.35	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-01042P00-360-4-000	25k	M220	\$6,186.04	
									2055B-01042P00-361-4-000	65k		\$7,112.97	
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-01542P00-360-4-000	5k	M220	\$7,839.00	
									2055B-01542P00-361-4-000	65k		\$8,587.14	
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-02042P00-360-4-000	5k	M220	\$8,489.22	
									2055B-02042P00-361-4-000	65k		\$9,302.40	
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-02542P00-360-4-000	25k	M220	\$9,575.98	
									2055B-02542P00-361-4-000	65k		\$10,177.91	
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-03042P00-360-4-000	25k	M220	\$10,078.86	
									2055B-03042P00-361-4-000	65k		\$10,680.79	
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-04042P00-360-4-000	25k	M220	\$10,656.38	
									2055B-04042P00-361-4-000	65k		\$11,260.65	
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-05042P00-360-4-000	25k	M220	\$15,713.73	
									2055B-05042P00-361-4-000	65k		\$16,410.95	
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-06042P00-360-4-000	25k	M220	\$15,820.04	
									2055B-06042P00-361-4-000	65k		\$16,716.94	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number				
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-07542P00-360-4-000	35k	M220	\$17,044.19	
									2055B-07542P00-361-4-000	65k		\$17,751.72	
100	124	60	37	16	G120X	6SL32203YE420UF0	--	✓	2055B-100F2P00-360-4-000	35k	M220	\$18,787.34	
									2055B-100F2P00-361-4-000	65k		\$19,503.25	
125	156	60	37	16	G120X	6SL32203YE440UF0	--	✓	2055B-125F2P00-360-4-000	35k	M220	\$20,706.81	
									2055B-125F2P00-361-4-000	65k		\$21,463.48	
150	180	60	37	16	G120X	6SL32203YE460UF0	--	✓	2055B-150F2P00-360-4-000	35k	M220	\$27,482.24	
									2055B-150F2P00-361-4-000	65k		\$28,378.30	
200	240	60	37	16	G120X	6SL32203YE480UF0	--	✓	2055B-200F2P00-360-4-000	35k	M220	\$31,483.41	
									2055B-200F2P00-361-4-000	65k		\$32,381.29	
250	302	84	40	24	G120X	6SL32203YE500CF0	--	✓	2055B-250F2P00-360-4-000	35k	M220	\$33,675.67	
									2055B-250F2P00-361-4-000	65k		\$34,297.53	
300	361	84	40	24	G120X	6SL32203YE520CF0	--	✓	2055B-300F2P00-360-4-000	35k	M220	\$35,708.43	
									2055B-300F2P00-361-4-000	65k		\$36,814.96	
350	477	84	40	24	G120X	6SL32203YE540CF0	--	✓	2055B-350F2P00-360-4-000	35k	M220	\$45,733.77	
									2055B-350F2P00-361-4-000	65k		\$47,032.63	
400	477	84	40	24	G120X	6SL32203YE540CF0	--	✓	2055B-400F2P00-360-4-000	35k	M220	\$48,468.69	
									2055B-400F2P00-361-4-000	65k		\$49,767.55	
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450F2P00-360-4-000	30k	M220	\$67,297.99	
									2055B-450F2P00-361-4-000	65k		\$70,926.65	
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500F2P00-360-4-000	30k	M220	\$78,153.25	
									2055B-500F2P00-361-4-000	65k		\$82,633.73	
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600F2P00-360-4-000	35k	M220	\$95,863.68	
									2055B-600F2P00-361-4-000	65k		\$101,402.33	
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700F2P00-360-4-000	35k	M220	\$108,203.52	
									2055B-700F2P00-361-4-000	65k		\$114,164.02	

* Notes:

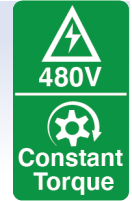
1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Industrial Package

General Purpose Panel
 NEMA 12 / Siemens G120X Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 12 / heavy duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 500 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Standard two (2) year warranty

Applications

- Industrial / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-00142P00-360-4-000	25k	M220	\$5,442.57
									2155B-00142P00-361-4-000	65k		\$6,369.50
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P542P00-360-4-000	25k	M220	\$5,501.71
									2155B-1P542P00-361-4-000	65k		\$6,428.64
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-00242P00-360-4-000	25k	M220	\$5,557.69
									2155B-00242P00-361-4-000	65k		\$6,484.62
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-00342P00-360-4-000	25k	M220	\$5,682.38
									2155B-00342P00-361-4-000	65k		\$6,609.31
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-00542P00-360-4-000	25k	M220	\$5,907.82
									2155B-00542P00-361-4-000	65k		\$6,834.75
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P542P00-360-4-000	25k	M220	\$6,155.67
									2155B-7P542P00-361-4-000	65k		\$7,082.60
10	14	30	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-01042P00-360-4-000	25k	M220	\$7,803.75
									2155B-01042P00-361-4-000	65k		\$8,551.89
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-01542P00-360-4-000	25k	M220	\$8,455.65
									2155B-01542P00-361-4-000	65k		\$9,268.83
20	27	36	24	12	G120X	6SL32203YE300UF0	--	✓	2155B-02042P00-360-4-000	5k	M220	\$9,575.98
									2155B-02042P00-361-4-000	65k		\$10,177.91
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-02542P00-360-4-000	5k	M220	\$9,998.28
									2155B-02542P00-361-4-000	65k		\$10,600.21
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-03042P00-360-4-000	25k	M220	\$10,498.20
									2155B-03042P00-361-4-000	65k		\$11,102.47
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-04042P00-360-4-000	25k	M220	\$14,314.72
									2155B-04042P00-361-4-000	65k		\$15,011.94
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-05042P00-360-4-000	25k	M220	\$15,713.73
									2155B-05042P00-361-4-000	65k		\$16,610.63
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-06042P00-360-4-000	25k	M220	\$16,714.03
									2155B-06042P00-361-4-000	65k		\$17,421.56

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number			
75	96	48	36	16	G120X	6SL32203YE420UF0	✓	--	2155B-075F2P00-360-4-000	25k	M220	\$18,704.82
									2155B-075F2P00-36I-4-000	65k		\$19,420.73
100	124	60	37	16	G120X	6SL32203YE440UF0	✓	--	2155B-100F2P00-360-4-000	35k	M220	\$20,705.41
									2155B-100F2P00-36I-4-000	65k		\$21,462.08
125	156	60	37	16	G120X	6SL32203YE460UF0	✓	--	2155B-125F2P00-360-4-000	35k	M220	\$26,835.88
									2155B-125F2P00-36I-4-000	65k		\$27,731.94
150	180	60	37	16	G120X	6SL32203YE480UF0	✓	--	2155B-150F2P00-360-4-000	35k	M220	\$29,184.82
									2155B-150F2P00-36I-4-000	65k		\$30,082.70
200	240	60	37	16	G120X	6SL32203YE500CF0	--	✓	2155B-200F2P00-360-4-000	35k	M220	\$33,282.55
									2155B-200F2P00-36I-4-000	65k		\$33,904.41
250	302	84	40	24	G120X	6SL32203YE520CF0	--	✓	2155B-250F2P00-360-4-000	35k	M220	\$35,713.42
									2155B-250F2P00-36I-4-000	65k		\$36,819.95
300	361	84	40	24	G120X	6SL32203YE540CF0	--	✓	2155B-300F2P00-360-4-000	35k	M220	\$43,261.69
									2155B-300F2P00-36I-4-000	65k		\$44,560.55
350	477	84	40	24	G120X	6SL32203YE600CF0	--	✓	2155B-350F2P00-360-4-000	30k	M220	\$61,427.57
									2155B-350F2P00-36I-4-000	65k		\$65,908.05
400	477	84	40	24	G120X	6SL32203YE620CF0	--	✓	2155B-400F2P00-360-4-000	30k	M220	\$79,564.49
									2155B-400F2P00-36I-4-000	65k		\$85,103.14
450	515	90	78	24	G120X	6SL32203YE620CF0	--	✓	2155B-450F2P00-360-4-000	30k	M220	\$79,565.86
									2155B-450F2P00-36I-4-000	65k		\$85,104.51
500	590	90	78	24	G120X	6SL32203YE640CF0	--	✓	2155B-500F2P00-360-4-000	35k	M220	\$95,400.52
									2155B-500F2P00-36I-4-000	65k		\$100,939.17

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
Warranty on pp. 149-152
Enclosure Information on p. 148



HP: 1 HP - 400 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



VFD - Industrial Package

General Purpose Panel
 NEMA 12 / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 400 HP ratings in stock
- NEMA 12 / heavy duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 400 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 400 HP

Warranty

- Standard two (2) year warranty

Applications

- Industrial / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number				
1	2.1	30	24	12	G120	6SL32101PE123UL1	--	✓	2050B-00142P00-360-4-000	25k	M220	\$6,723.19	
									2050B-00142P00-36I-4-000	65k		\$7,273.50	
1.5	3	30	24	12	G120	6SL32101PE132UL1	--	✓	2050B-1P542P00-360-4-000	25k	M220	\$6,784.27	
									2050B-1P542P00-36I-4-000	65k		\$7,334.58	
2	3.4	30	24	12	G120	6SL32101PE143UL1	--	✓	2050B-00242P00-360-4-000	25k	M220	\$6,880.83	
									2050B-00242P00-36I-4-000	65k		\$7,431.14	
3	4.8	30	24	12	G120	6SL32101PE161UL1	--	✓	2050B-00342P00-360-4-000	25k	M220	\$6,930.46	
									2050B-00342P00-36I-4-000	65k		\$7,476.58	
5	7.6	30	24	12	G120	6SL32101PE211UL0	--	✓	2050B-00542P00-360-4-000	25k	M220	\$7,541.14	
									2050B-00542P00-36I-4-000	65k		\$8,109.91	
7.5	11	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P542P00-360-4-000	25k	M220	\$7,864.61	
									2050B-7P542P00-36I-4-000	65k		\$8,406.38	
10	14	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-01042P00-360-4-000	25k	M220	\$8,437.15	
									2050B-01042P00-36I-4-000	65k		\$8,971.95	
15	21	36	24	12	G120	6SL32101PE227UL0	✓	--	2050B-01542P00-360-4-000	5k	M220	\$9,386.62	
									2050B-01542P00-36I-4-000	65k		\$9,915.42	
20	27	36	24	12	G120	6SL32101PE233UL0	✓	--	2050B-02042P00-360-4-000	5k	M220	\$10,501.11	
									2050B-02042P00-36I-4-000	65k		\$11,013.63	
25	38	48	36	16	G120	6SL32101PE238UL0	--	✓	2050B-02542P00-360-4-000	25k	M220	\$11,875.38	
									2050B-02542P00-36I-4-000	65k		\$12,444.14	
30	45	48	36	16	G120	6SL32101PE245UL0	--	✓	2050B-03042P00-360-4-000	25k	M220	\$12,609.84	
									2050B-03042P00-36I-4-000	65k		\$13,178.61	
40	60	48	36	16	G120	6SL32101PE260UL0	--	✓	2050B-04042P00-360-4-000	25k	M220	\$14,138.98	
									2050B-04042P00-36I-4-000	65k		\$14,707.74	
50	75	48	36	16	G120	6SL32101PE275UL0	--	✓	2050B-05042P00-360-4-000	25k	M220	\$18,153.64	
									2050B-05042P00-36I-4-000	65k		\$18,850.86	
60	90	48	36	16	G120	6SL32101PE288UL0	--	✓	2050B-06042P00-360-4-000	25k	M220	\$21,731.98	
									2050B-06042P00-36I-4-000	65k		\$22,628.88	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number			
75	110	48	36	16	G120	6SL32101PE311UL0	--	✓	2050B-07542P00-360-4-000	35k	M220	\$23,579.36
									2050B-07542P00-361-4-000	65k		\$24,286.89
100	145	60	37	16	G120	6SL32101PE315UL0	--	✓	2050B-100F2P00-360-4-000	35k	M220	\$27,097.95
									2050B-100F2P00-361-4-000	65k		\$27,813.86
125	178	60	37	16	G120	6SL32101PE318UL0	--	✓	2050B-125F2P00-360-4-000	35k	M220	\$29,738.82
									2050B-125F2P00-361-4-000	65k		\$30,495.49
150	205	60	37	16	G120	6SL32101PE321UL0	--	✓	2050B-150F2P00-360-4-000	35k	M220	\$32,615.59
									2050B-150F2P00-361-4-000	65k		\$33,511.65
200	250	60	37	16	G120	6SL32101PE325UL0	--	✓	2050B-200F2P00-360-4-000	35k	M220	\$37,509.76
									2050B-200F2P00-361-4-000	65k		\$38,407.64
250	302	90	40	24	G120	6SL32240XE413UA0	--	✓	2050B-250F2P00-360-4-000	35k	M220	\$44,429.66
									2050B-250F2P00-361-4-000	65k		\$45,051.52
300	370	90	78	24	G120	6SL32240XE416UA0	--	✓	2050B-300F2P00-360-4-000	35k	M220	\$48,021.78
									2050B-300F2P00-361-4-000	65k		\$49,128.31
350	477	90	40	24	G120	6SL32240XE420UA0	--	✓	2050B-350F2P00-360-4-000	35k	M220	\$53,599.14
									2050B-350F2P00-361-4-000	65k		\$54,898.00
400	477	90	78	24	G120	6SL32240XE420UA0	--	✓	2050B-400F2P00-360-4-000	35k	M220	\$55,162.15
									2050B-400F2P00-361-4-000	65k		\$56,461.01

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 300 HP
Volts: 480V
Enclosure: NEMA 12

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



VFD - Industrial Package

General Purpose Panel
 NEMA 12 / Siemens G120 Series
 General Purpose Applications

Standard Features / Specifications

Pilot Devices

- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)

Standard Features

- 1 HP - 300 HP ratings in stock
- NEMA 12 / heavy duty Enclosure
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 60 HP)
 - Flanged (75 HP - 300 HP)

- Easy-to-use drive for basic applications
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 300 HP

Warranty

- Standard two (2) year warranty

Applications

- Industrial / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number				
1	2.2	30	24	12	G120	6SL32101PE132UL1	--	✓	2150B-00142P00-360-4-000	25k	M220	\$7,348.32	
									2150B-00142P00-36I-4-000	65k		\$7,329.87	
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	--	✓	2150B-1P542P00-360-4-000	25k	M220	\$7,451.94	
									2150B-1P542P00-36I-4-000	65k		\$7,433.49	
2	4.1	30	24	12	G120	6SL32101PE161UL1	--	✓	2150B-00242P00-360-4-000	25k	M220	\$7,488.00	
									2150B-00242P00-36I-4-000	65k		\$7,469.55	
3	5.9	30	24	12	G120	6SL32101PE180UL0	--	✓	2150B-00342P00-360-4-000	25k	M220	\$8,115.13	
									2150B-00342P00-36I-4-000	65k		\$8,092.49	
5	10.2	30	24	12	G120	6SL32101PE214UL0	--	✓	2150B-00542P00-360-4-000	25k	M220	\$8,357.13	
									2150B-00542P00-36I-4-000	65k		\$8,357.13	
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	--	✓	2150B-7P542P00-360-4-000	25k	M220	\$8,905.19	
									2150B-7P542P00-36I-4-000	65k		\$8,878.20	
10	18	30	24	12	G120	6SL32101PE227UL0	--	✓	2150B-01042P00-360-4-000	25k	M220	\$9,862.24	
									2150B-01042P00-36I-4-000	65k		\$9,828.28	
15	26	36	24	12	G120	6SL32101PE233UL0	--	✓	2150B-01542P00-360-4-000	25k	M220	\$10,951.94	
									2150B-01542P00-36I-4-000	65k		\$10,911.98	
20	32	36	24	12	G120	6SL32101PE238UL0	--	✓	2150B-02042P00-360-4-000	5k	M220	\$11,578.65	
									2150B-02042P00-36I-4-000	65k		\$11,585.55	
25	38	48	36	16	G120	6SL32101PE245UL0	--	✓	2150B-02542P00-360-4-000	5k	M220	\$13,178.61	
									2150B-02542P00-36I-4-000	65k		\$13,185.51	
30	45	48	36	16	G120	6SL32101PE260UL0	--	✓	2150B-03042P00-360-4-000	25k	M220	\$14,696.32	
									2150B-03042P00-36I-4-000	65k		\$14,696.32	
40	60	48	36	16	G120	6SL32101PE275UL0	--	✓	2150B-04042P00-360-4-000	25k	M220	\$16,292.12	
									2150B-04042P00-36I-4-000	65k		\$16,292.12	
50	75	48	36	16	G120	6SL32101PE288UL0	--	✓	2150B-05042P00-360-4-000	25k	M220	\$21,632.41	
									2150B-05042P00-36I-4-000	65k		\$22,529.31	
60	90	48	36	16	G120	6SL32101PE311UL0	--	✓	2150B-06042P00-360-4-000	25k	M220	\$23,577.83	
									2150B-06042P00-36I-4-000	65k		\$24,285.36	



SOFT
STARTER

VARIABLE FREQUENCY
DRIVE

APPENDIX

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Panel SCCR Rating	Mult. Symbol	List Price
		H	W	D					Model Number			
75	110	60	37	16	G120	6SL32101PE315UL0	✓	--	2150B-075F2P00-360-4-000	25k	M220	\$26,961.63
									2150B-075F2P00-361-4-000	65k		\$27,677.54
100	145	60	37	16	G120	6SL32101PE318UL0	✓	--	2150B-100F2P00-360-4-000	35k	M220	\$29,740.35
									2150B-100F2P00-361-4-000	65k		\$30,497.02
125	178	60	37	16	G120	6SL32101PE321UL0	✓	--	2150B-125F2P00-360-4-000	35k	M220	\$32,116.21
									2150B-125F2P00-361-4-000	65k		\$33,012.27
150	205	60	37	16	G120	6SL32101PE325UL0	✓	--	2150B-150F2P00-360-4-000	35k	M220	\$34,992.97
									2150B-150F2P00-361-4-000	65k		\$35,890.85
200	250	90	78	24	G120	6SL32240XE413UA0	--	✓	2150B-200F2P00-360-4-000	35k	M220	\$44,417.40
									2150B-200F2P00-361-4-000	65k		\$45,039.26
250	302	90	40	24	G120	6SL32240XE416UA0	--	✓	2150B-250F2P00-360-4-000	35k	M220	\$49,242.65
									2150B-250F2P00-361-4-000	65k		\$50,349.18
300	370	90	78	24	G120	6SL32240XE420UA0	--	✓	2150B-300F2P00-360-4-000	35k	M220	\$54,386.51
									2150B-300F2P00-361-4-000	65k		\$55,685.37

* Notes:

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Enclosure Air Conditioner
 Not Shown (25 HP - 200 HP)

VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120X Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 20 HP; Windowed 25 HP - 200 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (25 HP - 200 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-001N4P00-23Z-4-000	M220	\$11,550.94	
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P5N4P00-23Z-4-000	M220	\$11,725.49	
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-002N4P00-23Z-4-000	M220	\$11,725.49	
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-003N4P00-23Z-4-000	M220	\$11,852.30	
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-005N4P00-23Z-4-000	M220	\$12,008.77	
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P5N4P00-23Z-4-000	M220	\$12,960.63	
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-010N4P00-23Z-4-000	M220	\$13,023.20	
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-015N4P00-23Z-4-000	M220	\$12,864.07	
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-020N4P00-23Z-4-000	M220	\$12,919.87	
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-025N4P00-29R-4-000	M220	\$14,345.29	
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-030N4P00-29R-4-000	M220	\$17,027.45	
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-040N4P00-29R-4-000	M220	\$17,282.58	
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-050N4P00-29R-4-000	M220	\$19,235.69	
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-060N4P00-29R-4-000	M220	\$19,421.57	
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-075N4P00-29R-4-000	M220	\$22,470.72	
100	124	60	36	24	G120X	6SL32203YE420UF0	--	✓	2055B-100N4P00-29R-4-000	M220	\$23,776.23	
125	156	60	36	24	G120X	6SL32203YE440UF0	--	✓	2055B-125N4P00-29R-4-000	M220	\$26,890.21	
150	180	60	36	24	G120X	6SL32203YE460UF0	--	✓	2055B-150N4P00-29R-4-000	M220	\$38,036.21	
200	240	60	36	24	G120X	6SL32203YE480UF0	--	✓	2055B-200N4P00-29R-4-000	M220	\$39,601.12	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120X Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient



powered by
SIEMENS



Enclosure Air Conditioner Not Shown (40 HP - 150 HP)

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (40 HP - 150 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-001N4P00-23Z-4-000	M220	\$11,641.49
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P5N4P00-23Z-4-000	M220	\$11,709.02
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-002N4P00-23Z-4-000	M220	\$11,763.37
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-003N4P00-23Z-4-000	M220	\$11,888.53
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-005N4P00-23Z-4-000	M220	\$12,124.04
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P5N4P00-23Z-4-000	M220	\$12,349.66
10	14	30	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-010N4P00-23Z-4-000	M220	\$12,810.44
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-015N4P00-23Z-4-000	M220	\$12,354.99
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-020N4P00-23Z-4-000	M220	\$14,303.79
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-025N4P00-23Z-4-000	M220	\$14,769.52
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-030N4P00-23Z-4-000	M220	\$15,250.60
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-040N4P00-29Q-4-000	M220	\$19,044.03
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-050N4P00-29Q-4-000	M220	\$19,235.69
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-060N4P00-29Q-4-000	M220	\$20,238.62
75	96	60	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075N4P00-29Q-4-000	M220	\$23,260.37
100	124	60	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100N4P00-29Q-4-000	M220	\$25,486.69
125	156	60	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125N4P00-29Q-4-000	M220	\$37,370.49
150	180	60	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150N4P00-29Q-4-000	M220	\$39,601.12

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



Enclosure Air Conditioner Not Shown (25 HP - 200 HP)

VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120 Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with Lockable Windowed metal cover (Solid 1 HP - 40 HP; Windowed 50 HP - 200 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (25 HP - 200 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-001N4P00-29R-4-000	M230	\$12,824.50
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P5N4P00-29R-4-000	M230	\$12,885.58
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-002N4P00-29R-4-000	M230	\$12,982.13
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-003N4P00-29R-4-000	M230	\$13,031.77
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-005N4P00-29R-4-000	M230	\$13,642.45
7.5	13.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P5N4P00-29R-4-000	M230	\$13,935.19
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-010N4P00-29R-4-000	M230	\$14,500.82
15	26	36	24	12	G120	6SL32101PE227UL0	✓	--	2050B-015N4P00-29R-4-000	M230	\$15,415.14
20	32	36	24	12	G120	6SL32101PE233UL0	✓	--	2050B-020N4P00-29R-4-000	M230	\$16,529.63
25	38	48	36	16	G120	6SL32101PE238UL0	--	✓	2050B-025N4P00-29R-4-000	M230	\$19,095.83
30	45	48	36	16	G120	6SL32101PE245UL0	--	✓	2050B-030N4P00-29R-4-000	M230	\$19,823.39
40	60	48	36	16	G120	6SL32101PE260UL0	--	✓	2050B-040N4P00-29R-4-000	M230	\$21,345.62
50	75	48	36	16	G120	6SL32101PE275UL0	--	✓	2050B-050N4P00-29R-4-000	M230	\$25,874.02
60	90	48	36	16	G120	6SL32101PE288UL0	--	✓	2050B-060N4P00-29R-4-000	M230	\$27,246.54
75	110	48	36	16	G120	6SL32101PE311UL0	--	✓	2050B-075N4P00-29R-4-000	M230	\$29,797.03
100	145	60	36	24	G120	6SL32101PE315UL0	--	✓	2050B-100N4P00-29R-4-000	M230	\$34,910.27
125	178	60	36	24	G120	6SL32101PE318UL0	--	✓	2050B-125N4P00-29R-4-000	M230	\$39,461.29
150	205	60	36	24	G120	6SL32101PE321UL0	--	✓	2050B-150N4P00-29R-4-000	M230	\$40,046.46
200	250	60	36	24	G120	6SL32101PE325UL0	--	✓	2050B-200N4P00-29R-4-000	M230	\$44,487.22

*** Notes:**

- HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
- For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 4

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



Enclosure Air Conditioner Not Shown (40 HP - 150 HP)

VFD - Standard Package

General Purpose Panel
 NEMA 4 / Siemens G120 Series
 General Purpose Applications
 Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal protective cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Air conditioner (40 HP - 150 HP)
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty

Applications

- Standard / General Purpose

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-001N4P00-29Q-4-000	M230	\$9,447.70	
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P5N4P00-29Q-4-000	M230	\$9,567.43	
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-002N4P00-29Q-4-000	M230	\$9,599.01	
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-003N4P00-29Q-4-000	M230	\$10,281.34	
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-005N4P00-29Q-4-000	M230	\$10,568.04	
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P5N4P00-29Q-4-000	M230	\$11,132.52	
10	18	30	24	12	G120	6SL32101PE227UL0	✓	--	2150B-010N4P00-29Q-4-000	M230	\$12,133.94	
15	26	36	24	12	G120	6SL32101PE233UL0	✓	--	2150B-015N4P00-29Q-4-000	M230	\$13,249.46	
20	32	36	24	12	G120	6SL32101PE238UL0	--	✓	2150B-020N4P00-29Q-4-000	M230	\$13,979.16	
25	38	48	36	16	G120	6SL32101PE245UL0	--	✓	2150B-025N4P00-29Q-4-000	M230	\$15,712.44	
30	45	48	36	16	G120	6SL32101PE260UL0	--	✓	2150B-030N4P00-29Q-4-000	M230	\$17,356.64	
40	60	48	36	16	G120	6SL32101PE275UL0	--	✓	2150B-040N4P00-29Q-4-000	M230	\$19,085.42	
50	75	48	36	16	G120	6SL32101PE288UL0	--	✓	2150B-050N4P00-29Q-4-000	M230	\$27,065.79	
60	90	48	36	16	G120	6SL32101PE311UL0	--	✓	2150B-060N4P00-29Q-4-000	M230	\$29,797.03	
75	110	60	36	24	G120	6SL32101PE315UL0	--	✓	2150B-075N4P00-29Q-4-000	M230	\$33,294.18	
100	145	60	36	24	G120	6SL32101PE318UL0	--	✓	2150B-100N4P00-29Q-4-000	M230	\$37,431.63	
125	178	60	36	24	G120	6SL32101PE321UL0	--	✓	2150B-125N4P00-29Q-4-000	M230	\$39,565.47	
150	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-150N4P00-29Q-4-000	M230	\$44,487.22	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 700 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Irrigation Package

Irrigation Panel

NEMA 3R / Siemens G120X Series

Irrigation Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid 1 HP - 50 HP; Windowed 60 HP - 700 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

Standard Features

- 1 HP - 700 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed

- Vortex Cooling Tunnel design for maximum cooling (40°C / 104°F) (60 HP - 400 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 50 HP)
 - Flanged (60 HP - 700 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance

- 0 - 10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (15 HP - 700 HP)
- Leg stands included (60 HP- 400 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 700 HP

Warranty

- Two (2) year warranty

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0013RP01-27W-4-000	M220	\$9,903.67
1.5	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-1P53RP01-27W-4-000	M220	\$9,920.13
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0023RP01-27W-4-000	M220	\$9,976.13
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0033RP01-27W-4-000	M220	\$10,040.35
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0053RP01-27W-4-000	M220	\$10,265.95
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P53RP01-27W-4-000	M220	\$10,396.07
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0103RP01-27W-4-000	M220	\$10,654.62
15	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0153RP01-27W-4-000	M220	\$12,166.09
20	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0203RP01-27W-4-000	M220	\$12,415.15
25	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2055B-0253RP01-27W-4-000	M220	\$13,765.43
30	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2055B-0303RP01-27W-4-000	M220	\$14,271.11
40	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2055B-0403RP01-27W-4-000	M220	\$14,852.10
50	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2055B-0503RP01-27W-4-000	M220	\$19,386.63
60	77	53	36	20	G120X	6SL32203YE380UF0	--	✓	2055B-0603RP01-27W-4-000	M220	\$19,477.41
75	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2055B-0753RP01-27W-4-000	M220	\$20,376.58
100	124	53	36	20	G120X	6SL32203YE420UF0	--	✓	2055B-1003RP01-27W-4-000	M220	\$22,170.62
125	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2055B-1253RP01-27W-4-000	M220	\$24,098.65
150	180	53	36	20	G120X	6SL32203YE460UF0	--	✓	2055B-1503RP01-27W-4-000	M220	\$30,715.65
200	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2055B-2003RP01-27W-4-000	M220	\$34,737.42
250	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2055B-2503RP01-27W-4-000	M220	\$37,025.73
300	361	65	40	22	G120X	6SL32203YE520CF0	--	✓	2055B-3003RP01-27W-4-000	M220	\$39,489.80
350	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-3503RP01-27W-4-000	M220	\$49,529.14
400	477	65	40	22	G120X	6SL32203YE540CF0	--	✓	2055B-4003RP01-27W-4-000	M220	\$52,421.09
450	515	90	78	24	G120X	6SL32203YE580CF0	✓	--	2055B-450FRP01-27W-4-000	M220	\$73,939.39
500	590	90	78	24	G120X	6SL32203YE600CF0	✓	--	2055B-500FRP01-27W-4-000	M220	\$85,120.31
600	724	90	78	24	G120X	6SL32203YE640CF0	✓	--	2055B-600FRP01-27W-4-000	M220	\$103,731.39
700	830	90	78	24	G120X	6SL32203YE660CF0	✓	--	2055B-700FRP01-27W-4-000	M220	\$116,456.82

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144

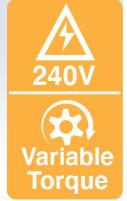
Warranty on pp. 149-152

Enclosure Information on p. 148



HP: .5 HP - 30 HP
Volts: 240V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

Submersible Panel
 NEMA 3R / Siemens G120X Series
 Submersible Pump Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with Lockable Solid Metal Cover (Solid .5 HP - 20 HP; Windowed 25 HP - 30 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light:
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (25 HP - 30 HP)
- Combination circuit breaker disconnect:
 - Through-door (.5 HP - 20 HP)
 - Flanged (25 HP - 30 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
 - Line side harmonic filtering

- 0-10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (25 HP - 30 HP)
- Leg stands included (25 HP - 30 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 240V: .5 HP - 30 HP

Warranty

- Two (2) year warranty

Standard Features

- .5 HP - 30 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	240V		Mult. Symbol	List Price
		H	W	D					Model Number			
0.5	4.2	30	24	12	G120X	6SL32203YC100UF0	--	✓	2255B-0P53RP01-27W-2-000	M220	\$10,047.27	
0.75	4.2	30	24	12	G120X	6SL32203YC100UF0	--	✓	2255B-P753RP01-27W-2-000	M220	\$10,047.27	
1	6	30	24	12	G120X	6SL32203YC120UF0	--	✓	2255B-0013RP01-27W-2-000	M220	\$10,066.80	
1.5	7.4	30	24	12	G120X	6SL32203YC140UF0	--	✓	2255B-1P53RP01-27W-2-000	M220	\$10,132.41	
2	10.4	30	24	12	G120X	6SL32203YC160UF0	--	✓	2255B-0023RP01-27W-2-000	M220	\$10,209.18	
3	17.5	30	24	12	G120X	6SL32203YC200UF0	--	✓	2255B-0033RP01-27W-2-000	M220	\$10,491.15	
5	22	41	24	12	G120X	6SL32203YC220UF0	--	✓	2255B-0053RP01-27W-2-000	M220	\$12,432.75	
7.5	28	41	24	12	G120X	6SL32203YC240UF0	--	✓	2255B-7P53RP01-27W-2-000	M220	\$12,822.20	
10	42	47	24	14	G120X	6SL32203YC260UF0	--	✓	2255B-0103RP01-27W-2-000	M220	\$13,718.34	
15	54	47	24	14	G120X	6SL32203YC280UF0	--	✓	2255B-0153RP01-27W-2-000	M220	\$14,564.20	
20	68	47	24	14	G120X	6SL32203YC300UF0	--	✓	2255B-0203RP01-27W-2-000	M220	\$16,314.59	
25	80	53	36	20	G120X	6SL32203YC320UF0	--	✓	2255B-025T3P01-27V-2-000	M220	\$19,086.55	
30	104	53	36	20	G120X	6SL32203YC340UF0	--	✓	2255B-030T3P01-27V-2-000	M220	\$20,694.75	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: .5 HP - 200 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



VFD - Standard Package

Submersible Panel

NEMA 3R / Siemens G120X Series

Submersible Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover (Solid .5 HP - 40 HP; Windowed 50 HP - 200 HP)
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light:
 - Red=Fault
 - Blue=Backspin Mode
 - Green=Running

Standard Features

- .5 HP - 200 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed

- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 200 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 200 HP)
- Pre engineered drive solutions for special application
 - PID loop control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Line side harmonic filtering 0-10 Minute restart (backspin) timer
- 24/7 Programmable timer
- Heavy duty lifting ears (10 HP - 200 HP)
- Leg stands included (50 HP- 200 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Two (2) year warranty

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
0.5	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2255B-0P53RP01-27W-4-000	M220	\$8,353.03	
0.75	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2255B-P753RP01-27W-4-000	M220	\$8,353.03	
1	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2255B-0013RP01-27W-4-000	M220	\$9,595.71	
1.5	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2255B-1P53RP01-27W-4-000	M220	\$9,595.71	
2	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2255B-0023RP01-27W-4-000	M220	\$9,673.09	
3	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2255B-0033RP01-27W-4-000	M220	\$10,037.04	
5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2255B-0053RP01-27W-4-000	M220	\$10,300.56	
7.5	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2255B-7P53RP01-27W-4-000	M220	\$10,704.01	
10	21	41	24	12	G120X	6SL32203YE260UF0	--	✓	2255B-0103RP01-27W-4-000	M220	\$10,755.16	
15	27	41	24	12	G120X	6SL32203YE280UF0	--	✓	2255B-0153RP01-27W-4-000	M220	\$12,415.15	
20	34	47	24	14	G120X	6SL32203YE300UF0	--	✓	2255B-0203RP01-27W-4-000	M220	\$13,765.43	
25	40	47	24	14	G120X	6SL32203YE320UF0	--	✓	2255B-0253RP01-27W-4-000	M220	\$13,765.43	
30	52	47	24	14	G120X	6SL32203YE340UF0	--	✓	2255B-0303RP01-27W-4-000	M220	\$14,852.10	
40	65	47	24	14	G120X	6SL32203YE360UF0	--	✓	2255B-0403RP01-27W-4-000	M220	\$19,402.48	
50	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2255B-050T3P01-27V-4-000	M220	\$19,493.25	
60	96	53	36	20	G120X	6SL32203YE400UF0	--	✓	2255B-060T3P01-27V-4-000	M220	\$20,732.50	
75	124	65	40	22	G120X	6SL32203YE420UF0	--	✓	2255B-075T3P01-27V-4-000	M220	\$20,732.50	
100	156	53	36	20	G120X	6SL32203YE440UF0	--	✓	2255B-100T3P01-27V-4-000	M220	\$22,483.29	
125	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2255B-125T3P01-27V-4-000	M220	\$31,224.30	
150	240	53	36	20	G120X	6SL32203YE480UF0	--	✓	2255B-150T3P01-27V-4-000	M220	\$31,224.30	
175	302	65	40	22	G120X	6SL32203YE500CF0	--	✓	2255B-175T3P01-27V-4-000	M220	\$35,246.10	
200	302	53	36	20	G120X	6SL32203YE500CF0	--	✓	2255B-200T3P01-27V-4-000	M220	\$37,446.48	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 300 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X Series
Torque: Constant



VFD - Standard Package

Beam Pump Panel
 NEMA 3R / Siemens G120X Series
 Beam Pump Applications



Beam Pump Package designed specifically for use on beam pumps where regenerative avoidance is required.

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with protective metal cover
- Percentage Timer
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High Visibility Status Light:
 - Red=Fault
 - Yellow=Ready
 - Green=Running

Standard Features

- 3 HP - 300 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 200 HP)
- Combination circuit breaker disconnect:
 - Through-door (3 HP - 40 HP)
 - Flanged (50 HP - 300 HP)

- Pre engineered drive solutions for special application
 - HOA functionality designed specifically for beam pump applications
 - Regenerative (ReGen) avoidance programmed in firmware
 - Designed and ready for use with most third party pump off controllers
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- “Lightning & Surge” protection covering momentary anomaly events
 - Line side—lightning, surge and severe over voltage
 - Load side—single phasing, phase reversal and voltage unbalance
- Leg stands included (50 HP - 300 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 3 HP - 300 HP

Warranty

- Two (2) year warranty

Applications

- Beam Pumps

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	DC Choke	Line Reactor	480V		List Price
		H	W	D					Model Number	Mult. Symbol	
3	4.8	30	24	12	G120X	6SL32203YE180UF0	✓	--	2155B-0033RP1B-33G-4-000	M222	\$11,373.84
5	7.6	30	24	12	G120X	6SL32203YE220UF0	✓	--	2155B-0053RP1B-33G-4-000	M222	\$11,605.16
7.5	11	30	24	12	G120X	6SL32203YE240UF0	✓	--	2155B-7P53RP1B-33G-4-000	M222	\$11,860.13
10	14	41	24	12	G120X	6SL32203YE260UF0	✓	--	2155B-0103RP1B-33G-4-000	M222	\$13,367.50
15	21	41	24	12	G120X	6SL32203YE280UF0	✓	--	2155B-0153RP1B-33G-4-000	M222	\$13,533.27
20	27	47	24	14	G120X	6SL32203YE300UF0	✓	--	2155B-0203RP1B-33G-4-000	M222	\$15,007.53
25	34	47	24	14	G120X	6SL32203YE320UF0	✓	--	2155B-0253RP1B-33G-4-000	M222	\$15,444.05
30	40	47	24	14	G120X	6SL32203YE340UF0	✓	--	2155B-0303RP1B-33G-4-000	M222	\$15,957.77
40	52	47	24	14	G120X	6SL32203YE360UF0	✓	--	2155B-0403RP1B-33G-4-000	M222	\$19,532.88
50	65	53	36	20	G120X	6SL32203YE380UF0	✓	--	2155B-050T3P1B-33G-4-000	M222	\$21,010.27
60	77	53	36	20	G120X	6SL32203YE400UF0	✓	--	2155B-060T3P1B-33G-4-000	M222	\$22,041.46
75	96	53	36	20	G120X	6SL32203YE420UF0	✓	--	2155B-075T3P1B-33G-4-000	M222	\$24,100.93
100	124	53	36	20	G120X	6SL32203YE440UF0	✓	--	2155B-100T3P1B-33G-4-000	M222	\$26,161.86
125	156	53	36	20	G120X	6SL32203YE460UF0	✓	--	2155B-125T3P1B-33G-4-000	M222	\$32,476.15
150	180	53	36	20	G120X	6SL32203YE480UF0	✓	--	2155B-150T3P1B-33G-4-000	M222	\$34,900.55
200	240	53	36	20	G120X	6SL32203YE500CF0	✓	--	2155B-200T3P1B-33G-4-000	M222	\$39,124.34
250	302	65	40	22	G120X	6SL32203YE520CF0	✓	--	2155B-250T3P1B-33G-4-000	M222	\$41,050.83
300	361	65	40	22	G120X	6SL32203YE540CF0	✓	--	2155B-300T3P1B-33G-4-000	M222	\$49,402.43

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 3 HP - 300 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X Series
Torque: Constant



3 HP - 40 HP 50 HP - 300 HP

Beam Pump Package designed specifically for use on beam pumps where regenerative avoidance is required.

VFD - Standard Package

Beam Pump Panel
 w/ Two Contactor By-Pass
 NEMA 3R / Siemens G120X Series
 Beam Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with protective metal cover
- Percentage Timer
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- By-Pass Selector Switch
- High Visibility Status Light
 - Red=Fault
 - Yellow=Ready
 - Green=Running

Standard Features

- 3 HP - 300 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 300 HP)
- Combination circuit breaker disconnect:
 - Through-door (1 HP—40 HP)

- Flanged (50 HP—300 HP)
- Two contactor / run rated by-pass
- Pre engineered drive solutions for special application
 - HOA functionality designed specifically for beam pump applications
 - Regenerative (ReGen) avoidance programmed in firmware
 - Designed and ready for use with most third party pump off controllers
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- “Lightning & Surge” protection covering momentary anomaly events
 - Line side—lightning, surge and severe over voltage
 - Load side—single phasing, phase reversal and voltage unbalance
- Leg stands included (50 HP - 300 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 3 HP - 300 HP

Warranty

- Two (2) year warranty

Applications

- Beam Pumps

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	DC Choke	Line Reactor	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
3	4.8	30	24	12	G120X	6SL32203YE180UF0	✓	--	2155B-0033RP1B-33H-4-000	M222	\$12,491.47
5	7.6	30	24	12	G120X	6SL32203YE220UF0	✓	--	2155B-0053RP1B-33H-4-000	M222	\$12,746.66
7.5	11	30	24	12	G120X	6SL32203YE240UF0	✓	--	2155B-7P53RP1B-33H-4-000	M222	\$13,038.12
10	14	41	24	12	G120X	6SL32203YE260UF0	✓	--	2155B-0103RP1B-33H-4-000	M222	\$14,529.20
15	21	41	24	12	G120X	6SL32203YE280UF0	✓	--	2155B-0153RP1B-33H-4-000	M222	\$14,615.95
20	27	47	24	14	G120X	6SL32203YE300UF0	✓	--	2155B-0203RP1B-33H-4-000	M222	\$16,208.19
25	34	47	24	14	G120X	6SL32203YE320UF0	✓	--	2155B-0253RP1B-33H-4-000	M222	\$16,693.53
30	40	47	24	14	G120X	6SL32203YE340UF0	✓	--	2155B-0303RP1B-33H-4-000	M222	\$17,242.85
40	52	47	24	14	G120X	6SL32203YE360UF0	✓	--	2155B-0403RP1B-33H-4-000	M222	\$20,813.35
50	65	53	36	20	G120X	6SL32203YE380UF0	✓	--	2155B-050T3P1B-33H-4-000	M222	\$22,329.31
60	77	53	36	20	G120X	6SL32203YE400UF0	✓	--	2155B-060T3P1B-33H-4-000	M222	\$23,768.76
75	96	53	36	20	G120X	6SL32203YE420UF0	✓	--	2155B-075T3P1B-33H-4-000	M222	\$26,003.83
100	124	53	36	20	G120X	6SL32203YE440UF0	✓	--	2155B-100T3P1B-33H-4-000	M222	\$29,284.73
125	156	53	36	20	G120X	6SL32203YE460UF0	✓	--	2155B-125T3P1B-33H-4-000	M222	\$35,846.12
150	180	53	36	20	G120X	6SL32203YE480UF0	✓	--	2155B-150T3P1B-33H-4-000	M222	\$37,923.18
200	240	53	36	20	G120X	6SL32203YE500CF0	✓	--	2155B-200T3P1B-33H-4-000	M222	\$43,110.58
250	302	65	40	22	G120X	6SL32203YE520CF0	✓	--	2155B-250T3P1B-33H-4-000	M222	\$45,660.74
300	361	65	40	22	G120X	6SL32203YE540CF0	✓	--	2155B-300T3P1B-33H-4-000	M222	\$53,733.31

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

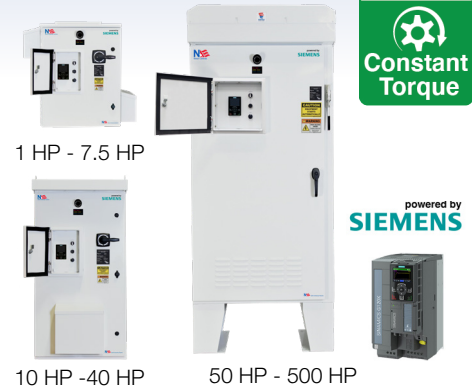
HP: 1 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

Positive Displacement /
 Salt Water Disposal Pump
 NEMA 3R / Siemens G120X Series
 Positive Displacement Pump Applications



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)

Standard Features

- 1 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Advanced Tunnel Design for Maximum Cooling (45° C / 113° F) (50 HP - 300 HP)

- Combination circuit breaker disconnect:
 - Through-door (1 HP - 40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for special application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Surge suppressor
- Heavy duty lifting ears (10 HP - 500 HP)

- Leg stands included (50 HP - 500 HP)
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 500 HP

Warranty

- Two (2) year warranty

Applications

- Positive Displacement Pump

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	12	G120X	6SL32203YE120UF0	--	✓	2155B-0013RP02-27X-4-000	M223	\$9,472.20
1.5	3	30	24	12	G120X	6SL32203YE140UF0	--	✓	2155B-1P53RP02-27X-4-000	M223	\$9,526.55
2	3.4	30	24	12	G120X	6SL32203YE160UF0	--	✓	2155B-0023RP02-27X-4-000	M223	\$9,589.11
3	4.8	30	24	12	G120X	6SL32203YE180UF0	--	✓	2155B-0033RP02-27X-4-000	M223	\$9,714.29
5	7.6	30	24	12	G120X	6SL32203YE220UF0	--	✓	2155B-0053RP02-27X-4-000	M223	\$9,939.87
7.5	11	30	24	12	G120X	6SL32203YE240UF0	--	✓	2155B-7P53RP02-27X-4-000	M223	\$10,188.57
10	14	41	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0103RP02-27X-4-000	M223	\$11,716.31
15	21	41	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0153RP02-27X-4-000	M223	\$11,992.93
20	27	47	24	14	G120X	6SL32203YE300UF0	--	✓	2155B-0203RP02-27X-4-000	M223	\$13,043.01
25	34	47	24	14	G120X	6SL32203YE320UF0	--	✓	2155B-0253RP02-27X-4-000	M223	\$13,468.77
30	40	47	24	14	G120X	6SL32203YE340UF0	--	✓	2155B-0303RP02-27X-4-000	M223	\$13,969.84
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP02-27X-4-000	M223	\$17,556.58
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-0503RP02-27X-4-000	M223	\$18,997.59
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-0603RP02-27X-4-000	M223	\$20,003.36
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-0753RP02-27X-4-000	M223	\$22,012.10
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-1003RP02-27X-4-000	M223	\$24,022.27
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-1253RP02-27X-4-000	M223	\$30,181.03
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-1503RP02-27X-4-000	M223	\$32,545.69
200	240	53	36	20	G120X	6SL32203YE500CF0	--	✓	2155B-2003RP02-27X-4-000	M223	\$36,665.46
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-2503RP02-27X-4-000	M223	\$39,102.17
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-3003RP02-27X-4-000	M223	\$46,690.38
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP02-27X-4-000	M223	\$67,607.44
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP02-27X-4-000	M223	\$86,496.94
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP02-27X-4-000	M223	\$86,496.94
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP02-27X-4-000	M223	\$102,806.65

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 40 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



powered by
SIEMENS



40 HP - 500 HP

Advanced Package includes Murphy Switch Interface where additional fault monitoring is required.

VFD - Advanced Package

Positive Displacement /
 Salt Water Disposal Pump
 NEMA 3R / Siemens G120X Series
 Positive Displacement Pump Applications

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)
- Murphy Switch Interface w/ Fault Recall Function Recalls the Last Five (5) Faults in Sequence

Standard Features

- 40 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 500 HP)

- Combination circuit breaker disconnect:
 - Through-door (40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for special application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Surge suppressor
- Heavy duty lifting ears
- Leg stands included (40 HP - 500 HP)

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 40 HP - 500 HP

Warranty

- Two (2) year warranty

Applications

- Positive Displacement Pump

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP02-27Y-4-000	M223	\$20,602.83
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P02-27Y-4-000	M223	\$22,043.82
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P02-27Y-4-000	M223	\$23,049.60
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P02-27Y-4-000	M223	\$25,058.34
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P02-27Y-4-000	M223	\$27,068.53
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P02-27Y-4-000	M223	\$33,227.28
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P02-27Y-4-000	M223	\$35,591.92
200	240	53	36	20	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P02-27Y-4-000	M223	\$39,711.71
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P02-27Y-4-000	M223	\$42,148.41
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P02-27Y-4-000	M223	\$49,736.63
350	452	90	78	24	G120X	6SL32203YE600CF0	✓	--	2155B-350FRP02-27Y-4-000	M223	\$70,304.75
400	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-400FRP02-27Y-4-000	M223	\$89,454.45
450	542	90	78	24	G120X	6SL32203YE620CF0	✓	--	2155B-450FRP02-27Y-4-000	M223	\$89,454.45
500	591	90	78	24	G120X	6SL32203YE640CF0	✓	--	2155B-500FRP02-27Y-4-000	M223	\$105,764.14

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



SOFT STARTER
 VARIABLE FREQUENCY DRIVE
 APPENDIX

SOFT STARTER

VARIABLE FREQUENCY DRIVE

APPENDIX

HP: 40 HP - 500 HP
Volts: 480V
Enclosure: NEMA 3R

Disconnect: Combination Circuit Breaker
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Deluxe Package

Positive Displacement /
 Salt Water Disposal Pump
 NEMA 3R / Siemens G120X Series
 Positive Displacement Pump Applications



DELUXE PACKAGE
 40 HP - 500 HP

powered by
SIEMENS

Standard Features / Specifications

Pilot Devices

- Door mounted 7" HMI touchscreen with lockable cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- High visibility status light (red / yellow / green)
- Human Machine Interface (HMI)
- 7" Widescreen Display / Profinet Interface

Standard Features

- 40 HP - 500 HP ratings in stock
- NEMA 3R / Heavy Duty Enclosure / Fully Gasketed
- Vortex Cooling Tunnel design for maximum cooling (45° C / 113° F) (50 HP - 500 HP)

- Combination circuit breaker disconnect:
 - Through-door (40 HP)
 - Flanged (50 HP - 500 HP)
- Pre engineered drive solutions for special application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Lightning & Surge protection covering momentary anomaly events
 - Line side - lightning, surge, and severe over voltage
 - Load side - single phasing, phase reversal and voltage unbalance
- Surge suppressor
- Heavy duty lifting ears
- Leg stands included (50 HP - 500 HP)

Deluxe packaged designed for applications where additional fault monitoring and enhanced programming capability is required.

- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 40 HP - 500 HP

Warranty

- Two (2) year warranty

Applications

- Positive Displacement Pump

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
40	52	47	24	14	G120X	6SL32203YE360UF0	--	✓	2155B-0403RP02-27Z-4-000	M223	\$21,938.63	
50	65	53	36	20	G120X	6SL32203YE380UF0	--	✓	2155B-050T3P02-27Z-4-000	M223	\$23,379.58	
60	77	53	36	20	G120X	6SL32203YE400UF0	--	✓	2155B-060T3P02-27Z-4-000	M223	\$24,385.41	
75	96	53	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-075T3P02-27Z-4-000	M223	\$26,394.16	
100	124	53	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-100T3P02-27Z-4-000	M223	\$28,404.31	
125	156	53	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-125T3P02-27Z-4-000	M223	\$34,563.07	
150	180	53	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-150T3P02-27Z-4-000	M223	\$36,927.72	
200	240	53	36	20	G120X	6SL32203YE500CF0	--	✓	2155B-200T3P02-27Z-4-000	M223	\$41,047.51	
250	302	65	40	22	G120X	6SL32203YE520CF0	--	✓	2155B-250T3P02-27Z-4-000	M223	\$43,484.21	
300	361	65	40	22	G120X	6SL32203YE540CF0	--	✓	2155B-300T3P02-27Z-4-000	M223	\$51,072.41	
350	452	90	78	24	G120X	6SL32203YE600CF0	--	✓	2155B-350FRP02-27Z-4-000	M223	\$71,598.83	
400	542	90	78	24	G120X	6SL32203YE620CF0	--	✓	2155B-400FRP02-27Z-4-000	M223	\$90,751.34	
450	542	90	78	24	G120X	6SL32203YE620CF0	--	✓	2155B-450FRP02-27Z-4-000	M223	\$90,751.34	
500	591	90	78	24	G120X	6SL32203YE640CF0	--	✓	2155B-500FRP02-27Z-4-000	M223	\$107,061.05	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 200 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Shown w/ Optional Floor Stands;
 Enclosure A/C Included (25 HP - 200 HP)

VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120X Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4X / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP

Warranty

- Standard two (2) year warranty

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V Model Number	Mult. Symbol	List Price
		H	W	D							
1	2.1	30	24	12	G120X	6SL32203YE100UF0	--	✓	2055B-0014XP00-23Z-4-000	M224	\$16,503.50
1.5	3	30	24	12	G120X	6SL32203YE120UF0	--	✓	2055B-1P54XP00-23Z-4-000	M224	\$16,535.56
2	3.4	30	24	12	G120X	6SL32203YE140UF0	--	✓	2055B-0024XP00-23Z-4-000	M224	\$16,587.16
3	4.8	30	24	12	G120X	6SL32203YE160UF0	--	✓	2055B-0034XP00-23Z-4-000	M224	\$16,658.34
5	7.6	30	24	12	G120X	6SL32203YE200UF0	--	✓	2055B-0054XP00-23Z-4-000	M224	\$16,914.57
7.5	11	30	24	12	G120X	6SL32203YE220UF0	--	✓	2055B-7P54XP00-23Z-4-000	M224	\$17,683.35
10	14	30	24	12	G120X	6SL32203YE240UF0	--	✓	2055B-0104XP00-23Z-4-000	M224	\$18,007.23
15	21	36	24	12	G120X	6SL32203YE260UF0	--	✓	2055B-0154XP00-23Z-4-000	M224	\$19,371.62
20	27	36	24	12	G120X	6SL32203YE280UF0	--	✓	2055B-0204XP00-23Z-4-000	M224	\$18,200.97
25	34	48	36	16	G120X	6SL32203YE300UF0	--	✓	2055B-0254XP00-29R-4-000	M224	\$23,500.20
30	40	48	36	16	G120X	6SL32203YE320UF0	--	✓	2055B-0304XP00-29R-4-000	M224	\$24,025.05
40	52	48	36	16	G120X	6SL32203YE340UF0	--	✓	2055B-0404XP00-29R-4-000	M224	\$25,250.79
50	65	48	36	16	G120X	6SL32203YE360UF0	--	✓	2055B-0504XP00-29R-4-000	M224	\$31,486.16
60	77	48	36	16	G120X	6SL32203YE380UF0	--	✓	2055B-0604XP00-29R-4-000	M224	\$33,473.03
75	96	48	36	16	G120X	6SL32203YE400UF0	--	✓	2055B-0754XP00-29R-4-000	M224	\$35,872.53
100	124	60	36	24	G120X	6SL32203YE420UF0	--	✓	2055B-1004XP00-29R-4-000	M224	\$38,627.05
125	156	60	36	24	G120X	6SL32203YE440UF0	--	✓	2055B-1254XP00-29R-4-000	M224	\$43,779.49
150	180	60	36	24	G120X	6SL32203YE460UF0	--	✓	2055B-1504XP00-29R-4-000	M224	\$40,979.83
200	240	60	36	24	G120X	6SL32203YE480UF0	--	✓	2055B-2004XP00-29R-4-000	M224	\$46,404.76

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144

Warranty on pp. 149-152

Enclosure Information on p. 148



HP: 1 HP - 150 HP
Volts: 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120X w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

Washdown Duty Panel
 NEMA 4X / Siemens G120X Series
 Food & Beverage / Pharmaceutical / General Purpose / Corrosion Resistant Applications
 Rated 32°C/90°F Indoor Ambient



powered by
SIEMENS



Enclosure Air Conditioner
 (40 HP - 150 HP)

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4 / Heavy Duty Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP

Warranty

- Standard two (2) year warranty

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.1	30	24	10	G120X	6SL32203YE120UF0	--	✓	2155B-0014XP00-23Z-4-000	M224	\$16,517.74
1.5	3	30	24	10	G120X	6SL32203YE140UF0	--	✓	2155B-1P54XP00-23Z-4-000	M224	\$16,590.70
2	3.4	30	24	10	G120X	6SL32203YE160UF0	--	✓	2155B-0024XP00-23Z-4-000	M224	\$16,649.42
3	4.8	30	24	10	G120X	6SL32203YE180UF0	--	✓	2155B-0034XP00-23Z-4-000	M224	\$16,786.47
5	7.6	30	24	10	G120X	6SL32203YE220UF0	--	✓	2155B-0054XP00-23Z-4-000	M224	\$17,039.14
7.5	11	30	24	10	G120X	6SL32203YE240UF0	--	✓	2155B-7P54XP00-23Z-4-000	M224	\$17,282.94
10	14	36	24	12	G120X	6SL32203YE260UF0	--	✓	2155B-0104XP00-23Z-4-000	M224	\$18,715.03
15	21	36	24	12	G120X	6SL32203YE280UF0	--	✓	2155B-0154XP00-23Z-4-000	M224	\$17,604.59
20	27	48	36	16	G120X	6SL32203YE300UF0	--	✓	2155B-0204XP00-23Z-4-000	M224	\$19,814.65
25	34	48	36	16	G120X	6SL32203YE320UF0	--	✓	2155B-0254XP00-23Z-4-000	M224	\$21,716.39
30	40	48	36	16	G120X	6SL32203YE340UF0	--	✓	2155B-0304XP00-23Z-4-000	M224	\$22,400.68
40	52	48	36	16	G120X	6SL32203YE360UF0	--	✓	2155B-0404XP00-29Q-4-000	M224	\$28,680.27
50	65	48	36	16	G120X	6SL32203YE380UF0	--	✓	2155B-0504XP00-29Q-4-000	M224	\$33,161.61
60	77	48	36	16	G120X	6SL32203YE400UF0	--	✓	2155B-0604XP00-29Q-4-000	M224	\$35,761.98
75	96	60	36	20	G120X	6SL32203YE420UF0	--	✓	2155B-0754XP00-29Q-4-000	M224	\$37,948.13
100	124	60	36	20	G120X	6SL32203YE440UF0	--	✓	2155B-1004XP00-29Q-4-000	M224	\$40,475.32
125	156	60	36	20	G120X	6SL32203YE460UF0	--	✓	2155B-1254XP00-29Q-4-000	M224	\$40,810.08
150	180	60	36	20	G120X	6SL32203YE480UF0	--	✓	2155B-1504XP00-29Q-4-000	M224	\$46,831.40

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 200 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker w/ Through-door
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Variable



powered by
SIEMENS



Shown w/ Optional Floor Stands;
Enclosure A/C Included (25 HP - 200 HP)

VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120 Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient

Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 200 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Air conditioner-stainless steel
- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 200 HP⁶

Warranty

- Standard two (2) year warranty

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V	Mult. Symbol	List Price
		H	W	D					Model Number		
1	2.2	30	24	12	G120	6SL32101PE123UL1	✓	--	2050B-0014XP00-26K-4-000	M234	\$13,699.58
1.5	3.1	30	24	12	G120	6SL32101PE132UL1	✓	--	2050B-1P54XP00-26K-4-000	M234	\$13,751.72
2	4.1	30	24	12	G120	6SL32101PE143UL1	✓	--	2050B-0024XP00-26K-4-000	M234	\$13,856.00
3	5.9	30	24	12	G120	6SL32101PE161UL1	✓	--	2050B-0034XP00-26K-4-000	M234	\$14,012.43
5	10.2	30	24	12	G120	6SL32101PE211UL0	✓	--	2050B-0054XP00-26K-4-000	M234	\$14,520.46
7.5	7.5	30	24	12	G120	6SL32101PE214UL0	✓	--	2050B-7P54XP00-26K-4-000	M234	\$15,505.78
10	18	30	24	12	G120	6SL32101PE218UL0	✓	--	2050B-0104XP00-26K-4-000	M234	\$16,052.59
15	26	30	24	12	G120	6SL32101PE227UL0	✓	--	2050B-0154XP00-26K-4-000	M234	\$18,285.28
20	32	30	24	12	G120	6SL32101PE233UL0	✓	--	2050B-0204XP00-26K-4-000	M234	\$19,044.66
25	38	36	30	12	G120	6SL32101PE238UL0	--	✓	2050B-0254XP00-29Q-4-000	M234	\$26,677.21
30	45	36	30	12	G120	6SL32101PE245UL0	--	✓	2050B-0304XP00-29Q-4-000	M234	\$27,460.66
40	60	36	30	12	G120	6SL32101PE260UL0	--	✓	2050B-0404XP00-29Q-4-000	M234	\$29,002.15
50	75	48	36	18	G120	6SL32101PE275UL0	--	✓	2050B-0504XP00-29R-4-000	M234	\$38,287.84
60	90	48	36	18	G120	6SL32101PE288UL0	--	✓	2050B-0604XP00-29R-4-000	M234	\$39,770.97
75	110	48	36	18	G120	6SL32101PE311UL0	--	✓	2050B-0754XP00-29R-4-000	M234	\$43,074.86
100	145	60	36	24	G120	6SL32101PE315UL0	--	✓	2050B-1004XP00-29R-4-000	M234	\$46,262.90
125	178	60	36	24	G120	6SL32101PE318UL0	--	✓	2050B-1254XP00-29R-4-000	M234	\$52,567.79
150	205	60	36	24	G120	6SL32101PE321UL0	--	✓	2050B-1504XP00-29R-4-000	M234	\$51,700.46
200	250	60	36	24	G120	6SL32101PE325UL0	--	✓	2050B-2004XP00-29R-4-000	M234	\$57,889.46

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



HP: 1 HP - 150 HP
Volts: 240V / 480V
Enclosure: NEMA 4X / Stainless Steel

Disconnect: Combination Circuit Breaker
Drive: Siemens G120 w/ IOP-2 Keypad
Torque: Constant



VFD - Standard Package

Washdown Duty Panel

NEMA 4X / Siemens G120 Series

Food & Beverage / Pharmaceutical / General

Purpose / Corrosion Resistant Applications

Rated 32°C/90°F Indoor Ambient



Enclosure Air Conditioner
 Not Shown (40 HP - 150 HP)

powered by
SIEMENS



Standard Features / Specifications

Pilot Devices

- Door mounted keypad with lockable metal cover
- Start pushbutton
- Hand/Off/Auto (HOA) selector switch
- Potentiometer (speed pot)
- Run light

Standard Features

- 1 HP - 150 HP ratings in stock
- NEMA 4X / Stainless Steel Enclosure
- Pre engineered for 32°C/90°F indoor / non-direct sunlight ambient

- Combination circuit breaker disconnect: Through-door
- Pre engineered drive solutions for general application
 - Remote start and speed control capable with analog input
 - Line side harmonic filtering
- Surge suppressor
- Padlockable door and disconnect
- Service entry rated
- UL 508A certified

Power

- 480V: 1 HP - 150 HP⁶

Warranty

- Standard two (2) year warranty

Applications

- Food & Beverage / Pharmaceutical / General Purpose Corrosion Resistant Applications

Options

- Other options available

HP ¹	Amps	Dimensions (inches)			Drive Series	Chassis Part Number	Line Reactor	DC Choke	480V		Mult. Symbol	List Price
		H	W	D					Model Number			
1	2.2	30	24	12	G120	6SL32101PE132UL1	✓	--	2150B-0014XP00-29Q-4-000	M234	\$15,843.61	
1.5	3.1	30	24	12	G120	6SL32101PE143UL0	✓	--	2150B-1P54XP00-29Q-4-000	M234	\$15,904.69	
2	4.1	30	24	12	G120	6SL32101PE161UL1	✓	--	2150B-0024XP00-29Q-4-000	M234	\$16,025.28	
3	5.9	30	24	12	G120	6SL32101PE180UL0	✓	--	2150B-0034XP00-29Q-4-000	M234	\$16,050.88	
5	10.2	30	24	12	G120	6SL32101PE214UL0	✓	--	2150B-0054XP00-29Q-4-000	M234	\$16,661.57	
7.5	13.7	30	24	12	G120	6SL32101PE218UL0	✓	--	2150B-7P54XP00-29Q-4-000	M234	\$16,947.40	
10	18	30	24	12	G120	6SL32101PE227UL0	✓	--	2150B-0104XP00-29Q-4-000	M234	\$17,519.93	
15	26	30	24	12	G120	6SL32101PE233UL0	✓	--	2150B-0154XP00-29Q-4-000	M234	\$18,307.64	
20	32	30	24	12	G120	6SL32101PE238UL0	--	✓	2150B-0204XP00-29Q-4-000	M234	\$19,422.14	
25	38	36	30	12	G120	6SL32101PE245UL0	--	✓	2150B-0254XP00-29Q-4-000	M234	\$21,711.82	
30	45	36	30	12	G120	6SL32101PE260UL0	--	✓	2150B-0304XP00-29Q-4-000	M234	\$22,979.34	
40	60	48	36	18	G120	6SL32101PE275UL0	--	✓	2150B-0404XP00-29Q-4-000	M234	\$24,497.06	
50	75	48	36	18	G120	6SL32101PE288UL0	--	✓	2150B-0504XP00-29Q-4-000	M234	\$39,439.91	
60	90	48	36	18	G120	6SL32101PE311UL0	--	✓	2150B-0604XP00-29Q-4-000	M234	\$42,939.15	
75	110	60	36	24	G120	6SL32101PE315UL0	--	✓	2150B-0754XP00-29Q-4-000	M234	\$45,132.36	
100	145	60	36	24	G120	6SL32101PE318UL0	--	✓	2150B-1004XP00-29Q-4-000	M234	\$48,696.14	
125	178	60	36	24	G120	6SL32101PE321UL0	--	✓	2150B-1254XP00-29Q-4-000	M234	\$51,160.81	
150	205	60	36	24	G120	6SL32101PE325UL0	--	✓	2150B-1504XP00-29Q-4-000	M234	\$57,757.04	

*** Notes:**

1. HP ratings are for reference only. Starter size is dependent on the nameplate Full Load Amps (FLA) rating of the motor.
6. For pricing and conversion to 240V, please contact us at 800.884.0404 for assistance.

Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.

Options on pp. 143-144
 Warranty on pp. 149-152
 Enclosure Information on p. 148



2000 SERIES	SIEMENS - VARIABLE FREQUENCY DRIVE (VFD) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
PUSHBUTTONS		
004	Start Pushbutton	\$171.40
005	Stop Pushbutton	\$171.40
043	Start / Stop Pushbutton	\$234.74
007	Jog Pushbutton	\$171.40
009	Raised Pushbutton - Specify Color and Function	\$171.40
010	Flush Pushbutton - Specify Color and Function	\$188.79
011	Mushroom Type Pushbutton - Specify Color and Function	\$262.69
012	Illuminated Pushbutton - Specify Color and Function	\$345.28
008	Soft Start or VFD Chassis Reset Pushbutton	\$171.40
PILOT LIGHTS (REQUIRES TRANSFORMER)		
006	Run Light	\$197.48
013	Stop Light	\$197.48
023	Power On Light	\$197.48
014	Fault Light	\$197.48
015	Ready Light	\$197.48
016	Bypass Light	\$197.48
017	Red Light - Specify Function	\$197.48
018	Green Light - Specify Function	\$197.48
019	Amber Light - Specify Function	\$197.48
020	White Light - Specify Function	\$197.48
021	Blue Light - Specify Function	\$197.48
022	Push to Test Contact Assembly	\$197.48
065	High Visibility Status Light (PLC may required for complete functionality)	\$309.26
SELECTOR SWITCHES		
024	Hand/Off/Auto / HOA Selector Switch	\$247.78
025	Local - Off - Remote Selector Switch	\$247.78
026	Key Operated Hand - Off - Auto Selector Switch	\$409.86
002	Two Position Selector Switch - Specify Function	\$201.21
003	Three Position Selector Switch - Specify Function	\$244.06
027	Other Selector Switch - Specify Function and Type	☎
POTENTIOMETERS		
032	1 Turn Potentiometer - (NEMA 3R, NEMA 4 and NEMA 12)	\$181.34
033	10 Turn Potentiometer - (NEMA 3R, NEMA 4 and NEMA 12)	\$181.34
METERS		
028	Ammeter	\$396.20
029	Voltmeter	\$396.20
030	Elapsed Time Meter	\$293.12
031	Other Power Metering - Specify Function	☎
TIMERS		
037	24/7 Programmable timer	\$149.04
116	0-10 Minute Restart (Back Spin) Timer	\$186.30
156	Percentage Timer	\$517.50
OTHER DOOR MOUNTED OPTIONS		
044	Door Mounted Keypad	\$316.71
045	Lockable Metal Protective Cover (Solid) for Door Mounted Keypad	\$658.26
055	Lockable Metal Protective Cover (Windowed) for Door Mounted Keypad	\$658.26
066	Plastic Protective Cover (NEMA 4X/IP66) for Door Mounted Keypad	\$670.68
ADVANCED FAULT/ STATUS MONITORING OPTIONS		
110	Stack / Tower Light - 360° Visibility (Red / Yellow / Green) w/ 6' Cable	\$894.24
040	Murphy Switch Interface W/ Fault Recall Function	\$1,978.51
067	Siemens SIMATIC HMI TP 700, Touch Operation, 7" Widescreen-TFT-Display3 (PLC Required)	\$3,129.84
052	Two Way Cellular Communication & Functionality	☎
200	6AV21252GB030AX0 Siemens SIMATIC Mobile 2nd Generation HMI KTP700 Panel3 (PLC Required)	\$6,197.58
201	6AV21252AE030AX0 SIMATIC HMI connection box compact for mobile panels	\$469.48
202	6AV21815AG800AX0 Wall holder, Type 13 for KTP700 mobile without attachment parts, incl. cable tray	\$332.86
203	6AV21815AF020AX0 SIMATIC HMI connecting cable for mobile, Length 2 m (6.56 ft)	\$404.90
204	6AV21815AF050AX0 SIMATIC HMI connecting cable for mobile, length 5 m (16.40 ft)	\$504.26
205	6AV21815AF080AX0 SIMATIC HMI connecting cable for mobile, Length 8 m (26.24 ft)	\$616.04
206	6AV21815AF100AX0 SIMATIC HMI connecting cable for mobile, length 10 m (32.80 ft)	\$675.65
207	6AV21815AF150AX0 SIMATIC HMI connecting cable for mobile, Length 15 m (49.21 ft)	\$811.03
208	6AV21815AF200AX0 SIMATIC HMI connecting cable for mobile, Length 20 m (65.61 ft)	\$946.41
209	6AV21815AF250AX0 SIMATIC HMI connecting cable for mobile, Length 25 m (82.02 ft)	\$1,020.93
061	Cloud Based Remote Monitoring	☎








VARIABLE FREQUENCY DRIVE (VFD) PANEL OPTIONS

2000 SERIES	SIEMENS - VARIABLE FREQUENCY DRIVE (VFD) - CONTROL PANEL OPTIONS	MULT. SYMBOL - M50
MODEL NUMBER	DESCRIPTION	LIST PRICE (w/ Installation)
SIEMENS DRIVE CHASSIS OPTIONS		
073	G120X I/O Expansion Module	\$715.00
074	G120/G120X Smart Access Module	\$415.00
PROGRAMMABLE RELAY OPTIONS		
150	PLC-6ES72121HE400XB0 - SIMATIC S7-1200, CPU 1212C - (Includes Power Supply Module)	\$378.81
151	PROG-RELAY-LRE08RA240 - Expansion Module, Programmable Relay	\$204.93
PROGRAMMABLE LOGIC CONTROLLERS (PLC) OPTIONS		
152	PLC-6ES72121HE400XB0 - SIMATIC S7-1200, CPU 1212C - (Includes Power Supply Module)	\$647.09
153	PLC-6ES72141HE400XB0 - SIMATIC S7-1200, CPU 1214C - (Includes Power Supply Module)	\$885.56
154	PLC-6ES72231PH320XB0 - S7-1200 Expansion Module, Digital Input	\$340.31
155	PLC-6ES72314HA300XB0 - SIMATIC S7-1200, CPU Analog Input	\$162.71
SENSOR OPTIONS		
100	4-Wire Micro DC Cord Set, Straight Connector, Coupling Nut, Black PUR Jacket, 5 Meter	\$54.00
101	4-Wire Micro DC Cord Set, Straight Connector, Coupling Nut, Gray PUR Jacket, 10 Meter	\$71.00
102	Pressure Transducer, 0 - 100 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
103	Pressure Transducer, 0 - 200 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
104	Pressure Transducer, 0 - 250 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
105	Pressure Transducer, 0 - 500 PSI, 4-Pin Micro DC Connector (Transducer Cord Required e.g. Option 100 or 101)	\$886.00
106	Level Transducer	☎
FUSES		
-	We Stock Fuses (including VFD High Speed) for Convenience. Please Call for Pricing.	☎
SPACE HEATERS		
034	Space Heater with Thermostat	\$529.10
PROTECTION MECHANISMS		
041	Surge suppressor	\$381.30
115	SymCom MotorSaver® Model 460	\$253.37
064	dV / dT Filters	☎
062	IEEE 519 Passive Harmonic Filter	☎
063	"Lightning and Surge" Protection" (pp. 163-164) - All panels will include line side lightning, surge and severe over voltage protection. In addition, all soft starter & VFD panels will include load side single phasing, phase reversal and voltage unbalance protection.	\$1,552.50
MAIN LINE ONLY BOXES		
070	Main Line Only Box: 20" Tall, 16" Wide , 12" Depth	\$2,234.36
071	Main Line Only Box: 20" Tall, 20" Wide , 12" Depth	\$2,979.56
072	Main Line Only Box: 20" Tall, 24" Wide , 12" Depth	\$6,953.96
FLOOR STANDS		
SPFSK-1212-W	2 Legs; 12" Tall, 12" Depth	\$276.97
SPFSK-1214-W	2 Legs; 12" Tall, 14" Depth	\$310.50
SPFSK-1216-W	2 Legs; 12" Tall, 16" Depth	\$310.50
SPFSK-1220-W	2 Legs; 12" Tall, 20" Depth	\$342.80
SPFSK-1224-W	2 Legs; 12" Tall, 24" Depth	\$372.60
SPFSK-624-W	2 Legs; 6" Tall, 24" Depth	\$372.60
SPFSK-1212-N4X	2 Legs; 12" Tall, 12" Depth, NEMA 4X 304 Stainless Steel	\$1,050.74
SPFSK-1218-N4X	2 Legs; 12" Tall, 18" Depth, NEMA 4X 304 Stainless Steel	\$1,259.39
SPFSK-1224-N4X	2 Legs; 12" Tall, 24" Depth, NEMA 4X 304 Stainless Steel	\$1,327.70

☎ Please email sales@naemotors.com, or contact us at 800.884.0404 for assistance.



<p>DATA SHEET</p>	<p>INTELLIGENT OPERATOR PANEL (IOP-2) 6SL3255-0AA00-4JA2</p>
	<p>IOP-2 KEY FEATURES: HIGH-CONTRAST COLOR DISPLAY 320 X 240 PIXELS, MEMBRANE KEYBOARD WITH CENTRAL SENSOR CONTROL</p> <p>SIMATIC IOP-2 Intelligent Operator Panel The IOP-2 supports both newcomers and drive experts. Thanks to the membrane keyboard with a central sensor control field, high-contrast color displays, menu-based operation and application wizards, it is easy to commission drives. A drive can be essentially commissioned without having to use a printed parameter list – as the parameters are displayed in plain text, and explanatory help texts and the parameter filtering function are provided.</p>
<p>DATA SHEET</p>	<p>HUMAN MACHINE INTERFACE PANEL 6AV2124-0GC01-0AX0</p>
	<p>SIMATIC HMI TP700 COMFORT PANEL, TOUCH OPERATION, 7" WIDESCREEN-TFT-DISPLAY, 16 MIL. COLORS, Profinet INTERFACE, MPI/PROFIBUS DP INTERFACE, 12 MB USER MEMORY, WINDOWS CE 6.0, CONFIGURABLE FROM WINCC COMFORT V11</p> <p>SIMATIC HMI TP700 Comfort Panel For operator control and monitoring, SIMATIC HMI products are "state of the art". They are the intelligent response to increasingly complex processes and stringent requirements for the operation of machines and plants.</p> <p>They feature state-of-the-art technology, outstanding performance as well as integrated functionality from size 7" or larger.</p> <p>The new SIMATIC HMI Comfort Panels are seamlessly integrated in the TIA Portal via WinCC. This innovative engineering framework represents the key to the full performance capacity of Totally Integrated Automation.</p>
<p>DATA SHEET</p>	<p>MOBILE 2ND GENERATION HMI PANEL 6AV2125-2GB03-0AX0</p>
	<p>SIMATIC HMI KTP700 MOBILE, 7.0" TFT DISPLAY, 800x 480 PIX-EL, 16m COLORS, KEY AND TOUCH OPERATION, 8 FUNCTION KEYS, 1x Profinet/INDUSTRIAL ETHERNET INTERFACE, 1x MULTIMEDIA CARD, 1x USB, CONFIGURABLE FROM WINCC COMFORT V13 SP1</p> <p>SIMATIC HMI KTP700 Mobile 2nd Gen Panel SIMATIC HMI Mobile Panels 2nd generation offer even more performance, flexibility, convenience and quality — making operation and monitoring even safer and more efficient. They transfer the functionality and performance of SIMATIC HMI Comfort Panels to mobile control units. Users benefit from more flexibility and convenience. They are ideally suited for small machines with small footprints. The compact connection box is easily mounted directly onto the control cabinet.</p>
<p>DATA SHEET</p>	<p>SINAMICS G120X I/O EXTENSION MODULE 6SL3255-0BE00-0AA0</p>
	<p>SIEMENS SINAMICS G120X I/O EXTENSION MODULE EXTENDS THE I/O FOR G120X DRIVES:</p> <ul style="list-style-type: none"> • Number of digital inputs 2 • Number of digital outputs 4 • Number of analog inputs 2 • Number of analog outputs 2
<p>DATA SHEET</p>	<p>SINAMICS SMART ACCESS MODULE 6SL3255-0AA00-5AA0</p>
	<p>MOBILE COMMISSIONING, DIAGNOSTICS, AND SERVICE OF CONVERTERS THE SINAMICS SMART ACCESS MODULE ENABLES YOU TO WIRELESSLY CONNECT YOUR MOBILE DEVICES (SMARTPHONE, TABLET, LAPTOP) TO THE SINAMICS G120, G120C, G120X AND G115D CONVERTERS.</p> <p>Highlights: Wireless access to the converter via mobile devices One tool for wireless commissioning, diagnostics, and service Intuitive user interface, menu guidance and assistance</p>

Advanced Tunnel Design for Maximum Cooling

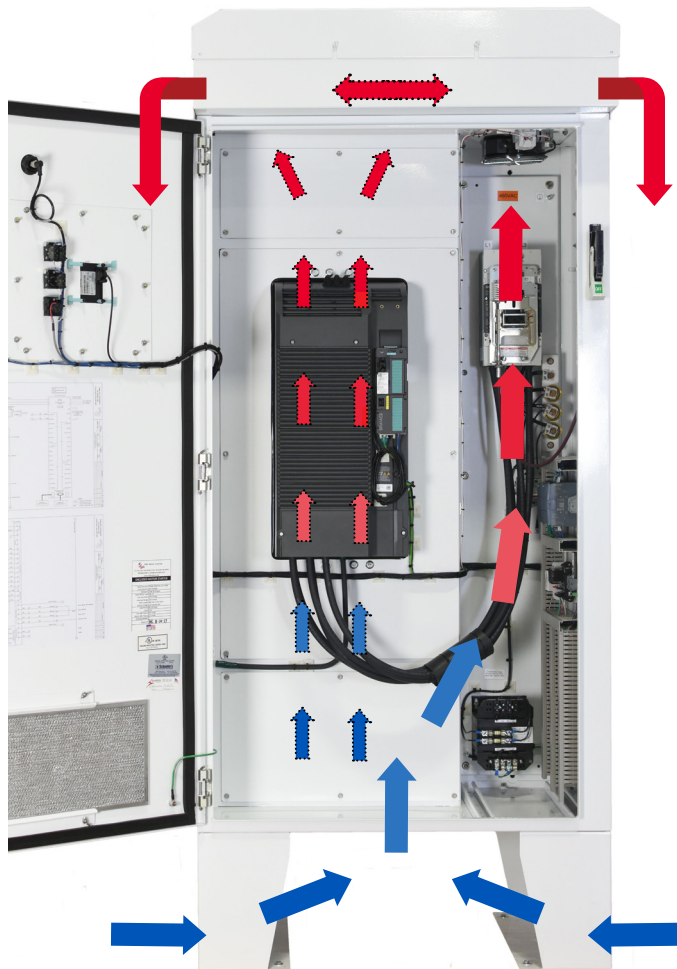
NAE's Vortex™ Cooling Tunnel is designed for select Variable Frequency Drive NEMA 3R Enclosures. This innovative design efficiently maximizes cooling of drive components and significantly reduces contamination inside the Enclosure.

Contact us for more information.



VORTEX™
COOLING TUNNEL

Patent Pending



Top



Side



Back



Bottom



powered by
SIEMENS

Features:

- 53" and up
- NEMA 3R only
- 40°C / 104°F VT; 50°C / 122°F CT (G120)
- 45°C / 113°F VT and CT (G120X)
- Significantly reduces contaminants



Motor Control Panel Customization Made Easy!



NAE Motor Controls offers customers the ability to custom configure and order their control panel to meet their specific needs and have it shipped quickly. We offer control panels from across the line panels to variable frequency drives and everything in between.

NAE Motor Controls can package the most common controls to the most complex control systems. All NAE packaged panels are backed by our two (2) year warranty.

Contact customer service at 800.884.0404 to get your order started today!

powered by
SIEMENS

SAF

Why choose NAE for your custom panel needs?



Safety is Standard!

UL 508A certified motor control panels.

NAE is a certified UL 508A panel shop building panels to meet customer requirements and provide UL safety standards that assures we take every step necessary to make our products safe.

We provide standard solutions to custom designs that are engineer reviewed and factory tested to meet all UL standards.


Choose North American Electric for your control panels where we make Motor Controls Easy and Safety Standard!




NEMA Enclosure Types

The National Electrical Manufacturers Association (NEMA) defines standards used in North America for various- grades of electrical enclosures typically used in industrial applications. Each is rated to protect against personal access to hazardous parts, and additional type-dependent designated environmental conditions. A typical NEMA enclosure might be rated to provide protection against environmental hazards such as water, dust, oil or coolant or atmospheres containing corrosive agents such as acetylene or gasoline. A full list of NEMA enclosure types is available from the NEMA website.

	Indoor	Protection to Personnel (Against Access to Hazardous Parts)	Falling Dirt	Windblown Dust	Circulating Dust, Lint Fibers	Dripping/ Light Splashing	Outdoor	"Knockout" Construction Ok	Rain	Sleet	Snow	External Protection from Ice	Splashing Water	Hose Directed Water	Corrosion
NEMA 1	✓	✓	✓												
NEMA 3R	✓	✓	✓				✓	✓	✓	✓	✓				
NEMA 3RX	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓
NEMA 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEMA 4X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEMA 12	✓	✓	✓	✓	✓	✓									







NEMA 1^{1,2}

General-purpose.

- Protects against dust, light, and indirect splashing but not dust-tight; primarily prevents contact with live parts.
- General indoor use and under normal atmospheric conditions.







NEMA 3R^{1,2}

Weather-resistant.

- Protects against falling dirt, rain, sleet and snow.
- General outdoor use for electrical components, power distribution, switch gears, etc.







NEMA 3RX^{1,2}

Weather-resistant.

- Protects against falling dirt, rain, sleet and snow.
- Protects against external ice formation that can cause corrosion
- General indoor or outdoor use for electrical components, power distribution, switch gears, etc.




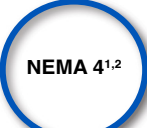


NEMA 12^{1,2}

General-purpose.

- Protects against dust, falling dirt, and dripping non-corrosive liquids.
- General indoor use for Industrial, manufacturing, and machining applications.







NEMA 4^{1,2}

Watertight and dustproof.

- Protects against falling dirt, rain, sleet, snow, windblown and circulating dust, and dripping.
- General indoors or outdoors use for ship docks, dairies, breweries, and wastewater treatment plants.





NEMA 4X^{1,2}

Corrosion resistant, watertight, and dust proof.

- Protects against falling dirt, rain, sleet, snow, windblown and circulating dust, dripping and corrosive agents.
- General indoors or outdoors use for ship docks, dairies, breweries, and wastewater treatment plants.

*** Notes:**

1. NEMA Enclosure Types (from NEMA 250-2013)
2. NEMA/IEC enclosure ratings, Cole-Parmer Technic



MOTOR CONTROLS WARRANTY POLICY & PROCEDURES

North American Electric, LLC warrants to that all products will conform to final specifications and/or drawings and will be free from defects in materials and workmanship. Special build panels will require the final specifications and drawings to be approved in writing by the Buyer before being released for production. The warranty shall remain in effect for a period specified for each product line from the date of the invoice. See warranty period for each product line below:

CHASSIS

Soft Start Chassis:

Siemens Soft Starter Chassis:.....24 months from date of invoice
 – 3RW30 Series, 3RW40 Series, 3RW44 Series

Variable Frequency Drive Chassis:

Siemens VFD Chassis:.....24 months from date of invoice
 – G120 Series, G120X Series, G130 Series

ENCLOSED PANEL PACKAGES

Safety Switches, ATLS and PWS Panels:

Heavy Duty Safety Switches24 months from date of invoice
 Heavy Duty Safety Switches with “**Lightning & Surge**” Protection24 months from date of invoice

 Across the Line Starter Panels24 months from date of invoice

 Part Wind Starter Panels24 months from date of invoice

Reduced Voltage Soft Starter Panels:

General Purpose & Washdown Duty Soft Starters24 months from date of invoice
 – Normal Duty and Heavy Duty

 SAF Crusher/Ultra Heavy Duty Soft Starters.....24 months from date of invoice
 (SAF Opal Pro M6 Series; Warranty Includes SCRs)

 SAF Ultra Heavy Duty Soft Starters24 months from date of invoice
 (SAF Opal Pro M6 Series; Warranty Includes SCRs)

Variable Frequency Drive Panels:

General Purpose & Washdown Duty – Non-Combo & Economy Panel Pkg.....24 months from date of invoice
 – Variable Torque and Constant Torque

 General Purpose & Washdown Duty – Standard Panel Packages24 months from date of invoice
 – Variable Torque and Constant Torque

 General Purpose – Integrator Packages24 months from date of invoice
 – Variable Torque and Constant Torque

 Special Purpose – Irrigation Pump Panel Packages24 months from date of invoice
 with “**Lightning & Surge**” Protection

 Special Purpose – Positive Displacement Pump Panel Packages.....24 months from date of invoice
 Standard, Advanced and Deluxe Panel Packages
 with “**Lightning & Surge**” Protection

 Special Purpose – Beam Pump Panel Package24 months from date of invoice
 with “**Lightning & Surge**” Protection

 Special Purpose – Custom / Build To Order Panel Package24 months from date of invoice
 (Customer must review, approve and sign drawings
 prior to panel being released for production)

SOFT STARTERS

VARIABLE FREQUENCY DRIVES

APPENDIX



Parts replaced or repaired in the warranty period shall carry the full warranty; the balance of the equipment will carry the unexpired portion of the original warranty. The liability of the Seller hereunder is limited to replacing or repairing any part or parts which are defective or do not conform to such specifications and drawings provided that such part or parts are returned within ninety (90) days from the date such defect is discovered. The Seller shall have the sole right to determine if the parts are to be repaired at the job site or whether they are to be returned to the Seller's facility for repair or replacement.

If the Seller has determined warranty part or parts are to be repaired at the job site, a purchase order must be issued for traveling and living expenses. All items returned to Seller for repair or replacement must be accompanied by an RMA number with all the necessary information required by the Seller. Shipping charges for incoming part or parts to be repaired or replaced will be at the Buyer's expense. The above conditions must be met if warranty is to be valid. Seller will not be liable for any damage done by unauthorized repair work, unauthorized replacement parts, from any misapplication of the product, or for damage due to accident, abuse, or act of God.

Seller makes no warranties, express or implied including any warranty as to merchantability or fitness for a particular use. Seller is not liable for and Purchaser waives any right of action it has or may have against seller for any consequential or special damages arising out of any breach of warranty, and for any damages Purchaser may claim for damage to any property or injury or death to any person arising out of its purchase or the use, operation or maintenance of the product. Seller will not be liable for any labor subcontracted or performed by Purchaser for preparation of warranted item for return to Seller's facility or for preparation work for field repair or replacement. Invoicing of Seller for labor either performed or subcontracted by Purchaser will not be considered as a liability by the Seller.

North American Electric's liability under this warranty or any other warranty whether expressed or implied in law or fact shall be limited to the repair or replacement of defective material and workmanship, and in no event shall North American Electric, LLC be liable for consequential or indirect damages, including freight.

“LIGHTNING & SURGE” PROTECTION

NAE offers this for Soft Starter and VFD panel packages which includes protection against line side lighting, surge and severe over voltage protection. Added load side protection includes single phasing, phase reversal and voltage imbalance.

NOTE: This protection is not designed to withstand nor does it cover load side (downstream) lightning strikes or direct lightning strikes to the motor control panel. The panel must be properly grounded.

ELECTRIC MOTOR CONTROLS WARRANTY PROCEDURE

Step 1: Have the motor control inspected by a qualified service shop to determine if the problem is a result of defects in materials and/ or workmanship. If the problem is a result of defects in materials and / or workmanship North American Electric, LLC will pay a reasonable inspection fee for the inspection that will include a written warranty report that describes the cause of failure along with photographs that show, in detail, what is described in the warranty report.

Step 2: Contact our warranty department and be prepared to provide the following information and documentation:

1. Serial Number
2. Model Number
3. Inspection / Failure Report
4. Photographs showing the cause of failure
5. Estimated cost of repair

Step 3: Our Warranty department will determine whether to replace or repair the defective motor control. DO NOT repair any motor control without prior written purchase order from North American Electric, LLC Always be sure to take clear, well lit photographs before beginning any repair work.

TERMS & CONDITIONS

1. **WARRANTY – WORLDWIDE ELECTRIC CORPORATION (“SELLER”) MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IN RESPECT TO THE PRODUCT AND THERE IS NO WARRANTY EXPRESS OR IMPLIED EXCEPT THAT THE PRODUCT SHALL BE OF THE KIND AND QUALITY DESCRIBED IN THE SPECIFICATIONS.**
2. **DELIVERY – Unless otherwise stated, delivery will be made f.o.b. point of shipment. Shipping dates are approximate and are based on the prompt receipt of all necessary information from the purchaser.**
3. **LOSS, DAMAGE OR DELAY – Seller shall not be liable for loss, damage, detention, or delay resulting from causes beyond its reasonable control or from fire, strike or other concerted action of workmen, act or omission of any Governmental authority or of the Purchaser, insurrection or riot, embargo, car shortage, wreck or delay in transportation, or inability to obtain necessary labor, materials, or manufacturing facilities from usual sources. In the event of delay due to any such cause, the date of delivery will be postponed by such length of time as may be reasonably necessary to compensate for the delay.**
4. **RISK OF LOSS – Risk of loss of the product, or any part of the same, shall pass to the Purchaser upon delivery of such product or part.**
5. **PAYMENTS – If, in the judgment of Seller, the financial condition of the Purchaser at any time prior to shipment does not support the terms of payment specified, Seller may require full or partial payment in advance. Pro-rata payments shall become due as shipments are made. If shipments are delayed by the Purchaser, payments shall become due from date when Seller is prepared to make shipment. If manufacture is delayed by the Purchaser, payment shall be made based on the contract price and percent of completion. Products held for Purchaser shall be at the risk and expense of the Purchaser.**
6. **PAYMENT BY CREDIT CARD – If Seller accepts payment by credit card, Purchaser agrees to pay the issuer of the credit card the total amount shown on this invoice upon presentation of a bill, without offset or deduction.**
7. **PRICES – Prices are those in effect at time of shipment. In the event of a published increase or reduction in prices by Seller, the new price will become effective immediately on the unshipped portion of the order, unless stated at the time of the change. In no case, however, will a reduction in price be retroactive to shipments made prior to the date of the price change. Purchaser’s order will be entered promptly upon acceptance by Seller and will not thereafter be subject to Cancellation nor to Deferment of Deliveries without Seller’s written consent, except upon terms which take into proper account the work already done and commitments made by Seller. Prices include the Seller’s standard packing for domestic shipments.**
8. **LIMITATION OF LIABILITY – In no event shall Seller be liable for any special, indirect, incidental, consequential or punitive damages, including but not limited to damages for lost profits or business opportunities or damage to reputation. Seller’s maximum liability for any breach of contract or sale, or any other claim related to the product sold hereunder, shall be limited to the price of the product, or portion thereof, on which such liability is based.**
9. **GOVERNING LAW/JURISDICTION/VENUE – This sale shall be governed by and construed in accordance with the laws of the State of New York, without regard to its conflicts of laws principles, and shall be deemed entered into at Seller’s principal place of business in New York. By purchasing Seller’s product, Purchaser expressly consents, for any litigation arising out of or related to the sale, to the exclusive jurisdiction and venue of the courts of competent jurisdiction located in Monroe County, New York (i.e., the U.S. District Court, Western District of New York, and the New York State Supreme Court, County of Monroe) and waives the right and hereby agrees not to assert, by way of motion, defense or otherwise in any proceeding brought in either of such courts, any claim that it is not subject to the personal jurisdiction of such court, that such proceeding is brought in an inconvenient forum, or that the venue of such proceeding is improper.**
10. **TERMINATION – Any order or contract may be terminated by the Purchaser only upon payment of reasonable charges based upon expenses already incurred and commitments made by Seller.**
11. **RETURN OF GOODS – No product or part shall be returned to the Seller without written authorization and shipping instructions first having been obtained from the Seller. Returns may be subject to freight charge and/or restocking charge, as circumstances dictate.**
12. **REPAIR POLICY – Positively no allowance will be made for repairs if made by others without Seller’s written consent.**
13. **NO ASSIGNMENT – Purchaser’s obligations are not transferable or assignable by operation of law, change of control or ownership, or otherwise, without prior written consent of Seller.**

RETURN POLICY

1. All WorldWide Electric products (electric motors, motor controls and gearing products) that are purchased as normal stock items may be returned, with freight to be paid, back to the closest WorldWide Electric warehouse by the customer.
2. Any returned products must be new, undamaged and in original cartons/packaging. Final credit will not be issued until WorldWide Electric has verified the products/shipping cartons as such.
3. All RGA requests must be made within 90 days of original purchase.
4. If the returned products were ordered incorrectly by the customer, 20% will be levied as a restocking charge which carries a minimum \$75 charge.
5. If the customer places an order equal to or greater than the goods being returned, then the restocking charge will be 10% (minimum \$75 charge).
6. If the product being returned was originally shipped to the customer prepaid and allowed, the original freight charge will be deducted from the return credit.
7. If the returned products are not in original condition (as well as the packaging), there will be additional fees applied to repair and/or replace those parts/products.

FREIGHT TERMS & CONDITIONS

Freight terms are as follows on all orders shipped from any of our warehouses. All products can be assorted from all three divisions; motors, controls and gearing.

\$5,000 +	Truck - Prepaid and Allowed
\$1,501 - \$4,999	Truck - 10% of Invoice - Prepaid and Allowed
\$0 - \$1,5000	Truck - \$150 Minimum - Prepaid and Allowed

FedEx / UPS may be utilized for shipments under 100 lbs. and billed on a prepaid and add basis (excluding cast iron motors and gear reducer products). Customers may always choose to have their shipment sent freight collect.

SPECIAL FREIGHT PREPAID PROGRAMS	
56-Frame Motors	25 + Pieces Assorted - Prepaid and Allowed
Slide Bases	25 + Pieces Assorted - Prepaid and Allowed
Loose Controls	\$2,000+ Assorted - Prepaid and Allowed
Worm Gear Reducer	25 + Pieces Assorted - Prepaid and Allowed

Customer Pick Up:

Orders may be picked up from any of our warehouses as a will call. We would prefer a one-hour advance notification for orders to be picked up. However, allowances will be made for special rush and urgent situations. Freight terms are as follows on all orders shipped from any of our warehouses.

ADDITIONAL FREIGHT SERVICES	
Delivery Appointment	\$65.00
Liftgate Delivery	\$200.00
Residential Delivery	\$125.00
Expedited Delivery	Please Call For Quote



Continuing Education

North American Electric's continuing education courses were created with you in mind to provide information, tools, technical support, and training to sell, install, and support low voltage AC drives.



At NAE University we provide you with in-depth, hands on training that is designed for the beginner to the expert. The class will consist of a general overview and lab exercises of motor controls and their applications.

Our class will provide basic control programming training to in-depth product information and one on one time with our engineers that will be demonstrating how to solve complex issues in the field to give you the solutions for your applications.



Contact Us



naemotors.com



Check us out online, or call us at **800-808-2131**

North American Electric, LLC

P.O. Box 130
350 Vaiden Drive
Hernando, MS 38632

Main Office

Toll Free: (800) 808-2131
FAX: (800) 711-1616

Customer Service & Sales

Toll Free: (800) 808-2131
Fax: (800) 711-1616

Technical Support / Warranty

Toll Free: (800) 808-2131
Main: (844) 993-7378
Fax: (800) 711-1616

The information in this document is subject to change without notice. NAE assumes no responsibility for any error that may appear in this document.