

18 to 500A

VMX-P Plus

PREMIUM IEC CONFIGURED SOFT STARTER

VMX-P Plus Features



- N4/12 Enclosure with Line Surge protection
- IEC Rated Class 20
- Service Entrance Rated
- VMX-Synergy Plus™ Soft Starter
- Touch Screen with Logic Diagram
- Fused Switch Disconnect / Circuit Breaker Disconnect (50A & up)
- Advanced Motor Protection
- Control Power Transformer with Surge Protector
- Interposing Relay for 120V Control
- Power On Pilot Light
- E-Stop Lighted Pushbutton
- Local/Off/Remote Selector Switch (Hand/Off/Auto)
- Customer Interface with Door Mounted Touch Screen

Benefits of using a Soft Starter

- Increase operating life - gearbox & moving parts
- Reduce inrush current and undervoltage conditions during start
- Advanced motor protection
- Reduce maintenance cost



VMX-P Plus Command Center

- Emergency Stop Pushbutton
- Start Fault / Reset Light
- Local / Off / Remote Switch
- Check E-Stop Light
- Power On Light



**iERS
Standard**



**80% more
efficient than VFD^{*1}**



**0%
Harmonics^{*2}**



**99.9%
Efficiency^{*2}**

Flexibility of Control

The VMX-P Plus Configured Soft Starter is designed to be the Ultimate Soft Starter with advanced features of the VMX-Synergy Plus™ Chassis Soft Starter in a N4/12 Combination Package. The Touch Screen allows for Superior Functionality and Diagnostics.

VMX-Synergy Plus™ Soft Starter with iERS Energy Savings



3.5" Full Color Touch Screen, 42 Application Profiles, Easy to setup in less than a minute, Full I²t Motor Overload Protection, Automatic initial voltage function to set breakaway torque of the motor, Automatic Ramp Control, Auto Reset System, Built-in iERS – intelligent Energy Recovery System, Internally Bypassed, Life Time Application Event Logging Diagnostics.

Model Number	Max Amps	Nominal Motor HP Rating			Fused Switch / Circuit Breaker	Frame Size
		208V	240V	480V		
VMX-P-PLUS-25-YY-X	27	7.5	7.5	15	40A FS	1
VMX-P-PLUS-38-YY-X	40	10	10	25	50A FS	1
VMX-P-PLUS-48-YY-X	52	10	15	30	60A FS	1
VMX-P-PLUS-50-YY-X	65	15	20	40	100A CB	1
VMX-P-PLUS-55-YY-X	77	20	25	50	100A CB	1
VMX-P-PLUS-68-YY-X	96	25	30	60	100A CB	1
VMX-P-PLUS-96-YY-X	125	30	30	75	150A CB	1
VMX-P-PLUS-125-YY-X	156	40	50	100	250A CB	1
VMX-P-PLUS-156-YY-X	180	60	60	125	250A CB	2
VMX-P-PLUS-220-YY-X	242	60	75	150	400A CB	2
VMX-P-PLUS-280-YY-X	302	75	100	200	400A CB	2
VMX-P-PLUS-312-YY-X	361	100	125	250	400A CB	2
VMX-P-PLUS-400-YY-X	414	125	150	300	600A CB	2
VMX-P-PLUS-450-YY-X	450	150	150	350	600A CB	2



VMX-P Plus Series

YY = Line Input Device

FS = Fused Disconnect

CB = Line Circuit Breaker (available on model 50 and above)

NOTES:

1 – Size the Soft Starter based on the actual motor nameplate FLA.

2 – The above data is based on the NEC Table 430-150, full load current for 3~ motors.

3 – The units listed are rated for 500% overload capacity

4 – Enclosed units include line + load lugs.

5 – A Space Heater is recommended for units installed outdoors.

X = Line Voltage (50/60Hz)

1 = 208V, 2 = 240V, 3 = 380V

4 = 480V, 6 = 415V, 8 = 400V



VMX-P PLUS DIMENSIONS

Frame Size	NEMA 4/12*	Dimensions H x W x D
1	Wall Mount	37" x 15" x 12" (934 x 381 x 305 mm)
2	Wall Mount	48" x 33" x 16" (1219 x 838 x 406 mm)

*1. Reduces Lost Energy, 80% more efficient compared to VFD running at line frequency

*2. With Internal bypass

USA HEADQUARTERS

Motortronics / Phasetronics

1600 Sunshine Drive
Clearwater, Florida 33765
USA

Tel: + 727-573-1819 / 888-767-7792

Fax: + 727-573-1803 / 800-548-4104

E-mail: sales@motortronics.com

www.motortronics.com

UNITED KINGDOM

Motortronics UK

Bristow House,
Gillard Way, Ivybridge,
Devon, PL21 9GG,
United Kingdom

Tel: +44 (0)1752-894554

www.motortronics-uk.co.uk

SOUTH KOREA

Motortronics Int'l Korea Co Ltd

#1607, 128 Gasan digital 1-ro,
Gasan digital 1-ro,
Geumcheon-gu,
Seoul 08507, Republic of Korea

Tel: 82-2-867-5808

Fax: 82-2-867-6004

www.motortronics-korea.com

CHINA

M & P Machinery & Electronics Control

Part of the Motortronics Group

32 Jiaxin Road,
Jimo,
Qingdao, China 266229

Tel: 86-532-81725028

Fax: 86-532-81725038

www.mp-cn.com

UNITED ARAB EMIRATES

Motortronics MEA, LLC

Sharjah Media City,
Sharjah,
United Arab Emirates

www.motortronics.com

PN: MT-VMXPP-120624