

# VMX-H Plus

HEAVY DUTY CONFIGURED SOFT STARTER

25 TO 1080 A

*Overload Capacity 500% for 60 sec.*



- NEMA 4/12 Enclosure
- Start Rated Bypass
- Circuit breaker w/Door Operator
- VMX-Synergy Plus Digital Starter
- Color Touch Screen
- 120V Control Voltage (CPT included)
- Soft Start or Across-the-line Switch
- Terminal Strip for Customer Interface
- Surge Device Installed



*with Start Rated Bypass Contactor*

# SMART DOOR

- Keypad
  - > Programming
  - > Diagnostics
  - > Metering
- Emergency Stop Pushbutton
- Start/Stop Pushbutton
- Local / Off / Remote Switch
- Power On Light
- Soft Start / XL Switch

- Motor Run Light
- Start Fault Light
- External Interlock Light
- Check E-Stop Light
- XLine Enabled Light

## Flexibility of Control

Multiple ramp profiles, Pump-Flex™ Decel and advanced motor protection make the VMX-Synergy Plus™ Series soft starter adaptable to a wide variety of AC motor applications... no need for add-on modules or costly auxiliary devices.

Compact packaging has become critical in more and more electrical installations. The VMX-Synergy Plus™ Series meets this need without compromising features and ratings. By using a highly engineered packaging design and the latest generation microprocessor, all the control and protection features you need are in the VMX-Synergy Plus™ Series. Narrow and shallow dimensions are perfect for integrating the VMX-Synergy Plus™ Series into motor control centers (MCCs), pump control panels, and retrofit starter enclosures.

Integral Start Rated Bypass Contactors are standard on all sizes and provide maximum efficiency of panel space while maintaining the Motortronics reputation for

Model Number	Max Amps	Nominal Motor HP Rating				Fused Switch/ Circuit Breaker	Frame Size
		208V	240V	480V	575V		
VMX-H-PLUS-21-FS*	25	7.5	7.5	15	10-15	40A FS	1
VMX-H-PLUS-27-FS*	34	10	10	25	20	50A FS	1
VMX-H-PLUS-40-FS*	42	10	15	30	25	60A FS	1
VMX-H-PLUS-45-CB*	54	15	20	40	30	100A CB	1
VMX-H-PLUS-55-CB*	68	20	25	50	40	100A CB	1
VMX-H-PLUS-68-CB*	80	25	30	60	50	100A CB	1
VMX-H-PLUS-96-CB*	96	30	30	75	60	150A CB	1
VMX-H-PLUS-125-CB*	130	40	50	100	75	225A CB	1
VMX-H-PLUS-156-CB*	180	60	60	150	100	225A CB	2
VMX-H-PLUS-220-CB*	192	60	75	150	150	400A CB	2
VMX-H-PLUS-230-CB*	250	75	100	200	250	400A CB	2
VMX-H-PLUS-248-CB*	312	100	125	250	300	400A CB	2
VMX-H-PLUS-400-CB*	361	125	150	300	300	600A CB	2
VMX-H-PLUS-480-CB*	480	150	200	400	500	600A CB	2
VMX-H-PLUS-600-CB*	590	200	200	500	600	800A CB	2
VMX-H-PLUS-690-CB*	722	250	300	500	600	1200A CB	2 ½
VMX-H-PLUS-800-CB*	750	-	300	600	600	1200A CB	2 ½
VMX-H-PLUS-960-CB*	960	300	400	800	900	1200A CB	3
VMX-H-PLUS-1080CB*	1080	350	450	900	1000	1600A CB	3



### \* Line & Control Voltage (50/60Hz)

- 1 = 208V, 120V Ctrl.    4 = 480V, 120V Ctrl.
- 2 = 240V, 120V Ctrl.    5 = 575V, 120V Ctrl.

### NOTES:

- 1 – Size the Soft Starter based on the actual motor nameplate FLA.
- 2 – The units listed are rated for 500% overload capacity for 60 sec., 1.15 S.F.
- 3 – Enclosed units include line + load lugs.
- 4 – The above data is based on the NEC Table 430-150, full load current for 3 phase motors.
- 5 – Model 600 @ 480V and 575VAC is 1.0 S.F.
- 6 – 65KA Rated units available – Consult Factory for pricing.
- 7 – A Space Heater is recommended for units installed outdoors.

### VMX-H PLUS DIMENSIONS

Frame Size	NEMA 4/12*	Dimensions in inches (mm) 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)
2 ½	Floor Standing	87" x 32" x 24" (2210 x 813 x 610 mm)
3	Floor Standing	90" x 39.5" x 24" (2286 x 1003 x 610 mm)



# VMX-H Plus Series

## 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

Fax: +44 (0)1548 853118

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 Emrates

Tel: +1 971-50 763 4920

www.motortronics.com

PN: MT-VMXHP-032124