

25 to 1080A

VMX-B Plus

BASIC CONFIGURED SOFT STARTER



- NEMA 4/12 Enclosure
- Start Rated Bypass Contactor
- Available with Circuit breaker or Fused Disconnect
- VMX-Synergy Plus™ Digital Starter
- 120V Control Voltage (CPT included)
- Illuminated E-STOP Pushbutton
- Start/Stop Pushbutton and Motor Run Light Assembly
- Local/Off/Remote Selector
- Across-The-Line Switch
- Fault Light / Reset Pushbutton
- Terminal Strip for Customer Interface
- Surge Device Installed

VMX-B Plus Command Center

- Emergency Stop Pushbutton
- Start/Stop Pushbutton
- Local / Off / Remote Switch
- Power On Light
- Across-The-Line Switch
- Motor Run Light
- Start Fault / Reset Light
- Check E-Stop 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-B-PLUS-21-YY-X	25	7.5	7.5	15	20	40A FS	1
VMX-B-PLUS-27-YY-X	34	10	10	25	30	50A FS	1
VMX-B-PLUS-40-YY-X	42	10	15	30	30	60A FS	1
VMX-B-PLUS-45-YY-X	54	15	20	40	50	100A CB	1
VMX-B-PLUS-55-YY-X	68	20	25	50	60	100A CB	1
VMX-B-PLUS-68-YY-X	80	25	30	60	75	100A CB	1
VMX-B-PLUS-96-YY-X	96	30	30	75	75	150A CB	1
VMX-B-PLUS-125-YY-X	130	40	50	100	75	250A CB	1
VMX-B-PLUS-156-YY-X	180	60	60	150	150	250A CB	2
VMX-B-PLUS-220-YY-X	192	60	75	150	150	400A CB	2
VMX-B-PLUS-230-YY-X	250	75	100	200	250	400A CB	2
VMX-B-PLUS-248-YY-X	312	100	125	250	300	400A CB	2
VMX-B-PLUS-400-YY-X	361	125	150	300	300	600A CB	2
VMX-B-PLUS-480-YY-X	480	150	200	400	500	800A CB	2
VMX-B-PLUS-600-YY-X	590	200	200	500	600	800A CB	2
VMX-B-PLUS-690-YY-X	722	250	300	500	600	1200A CB	2 ½
VMX-B-PLUS-800-YY-X	750	-	300	600	600	1200A CB	2 ½
VMX-B-PLUS-960-YY-X	960	300	400	800	900	1200A CB	3
VMX-B-PLUS-1080-YY-X	1080	350	450	900	1,000	1600A CB	3

YY = Line Input Device

ML0 = Main Lug only (no disconnect or short circuit protection)
 FS = Fused Disconnect (with Class J fuses, available on models 21, 27 and 40)
 CB = Line Circuit Breaker (available on model 45 and above)

X = 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.

VMX-B 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)
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)

- 5 – Model 600 @ 480V / 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-B Plus Series



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