

# VMX-S

## STANDARD DUTY CONFIGURED SOFT STARTER

18 TO 862 A

*Overload Capacity 500% for 60 sec.*



NEMA 4/12 Enclosure

Shunt Rated Bypass

Circuit breaker w/Door Operator

VMX Digital Starter

120V Control Voltage (CPT included)

Terminal Strip for Customer Interface



*with Shunt Rated Bypass Contactor*

# SMART DOOR

- Keypad
  - > Programming
  - > Diagnostics
  - > Metering
- Emergency Stop Pushbutton
- Start/Stop Pushbutton
- Local / Off / Remote Switch
- Power On Light
- Motor Run Light
- Start Fault Light
- External Interlock Light
- Check E-Stop Light

## Flexibility of Control

Multiple ramp profiles, Pump-Flex™ Decel and advanced motor protection make the VMX 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 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 Series. Narrow and shallow dimensions are perfect for integrating the VMX Series into motor control centers (MCCs), pump control panels, and retrofit starter enclosures.

Integral Bypass Contactors are standard on all sizes and provide maximum efficiency of panel space while maintaining the Motortronics reputation for being able to soft start most any load. The VMX Series is the only fully integrated, compact, world-class design offering uncompromised power and control capabilities.

Model Number	Max Amps	Nominal Motor HP Rating				Fused Switch/ Circuit Breaker	Frame Size
		208V	240V	480V	575V		
VMX-S-18-FS*	18	5	5	10	15	25A FS	1
VMX-S-28-FS*	28	7.5	7.5	15-20	20-25	40A FS	1
VMX-S-39-FS*	39	10	10	25	30	50A FS	1
VMX-S-48-FS*	48	15	15	30	40	60A FS	1
VMX-S-62-CB*	62	20	20	40	50-60	100A CB	1
VMX-S-78-CB*	78	25	25	50	75	100A CB	1
VMX-S-92-CB*	92	30	30	60	75	150A CB	1
VMX-S-112-CB*	112	30	40	75	100	150A CB	1
VMX-S-150-CB*	150	40	50	100	125	225A CB	1
VMX-S-160-CB*	160	50	60	125	150	225A CB	1
VMX-S-210-CB*	210	60	75	150	200	400A CB	2
VMX-S-275-CB*	275	75	100	200	250	400A CB	2
VMX-S-305-CB*	312	100	125	250	300	400A CB	2
VMX-S-361-CB*	361	125	125	300	350	600A CB	2
VMX-S-450-CB*	450	150	150	350	400	600A CB	2
VMX-S-480-CB*	480	150	200	400	500	600A CB	2
VMX-S-550-CB*	550	150	200	450	500	800A CB	2
VMX-S-600-CB*	600	200	200	500	600	800A CB	2
VMX-S-862-CB*	862	250	300	600	700	1200A CB	2 ½



### \* 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 above data is based on the NEC Table 430-150, full load current for 3 phase motors.
- 3 – The units listed are rated for 500% overload capacity for 60 sec., 1.0 S.F.
- 4 – Enclosed units include line + load lugs.
- 5 – 65KA Rated units available – Consult Factory for pricing.
- 6 – A Space Heater is recommended for units installed outdoors.

### VMX-S 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)



# VMX-S Series

## CORPORATE HEADQUARTERS

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