

# VMX-U <sup>27 to 361A</sup>

## UNIVERSAL IEC CONFIGURED SOFT STARTER



### VMX-U Features

- N4/N4X (27A – 65A) / N4/12 Enclosure (77A & up)
- Service Entrance Rated
- VMX-agility™ Soft Starter / Internally Bypassed
- OLED High Contrast Display
- Manual Motor Starter (27A - 65A)
- Circuit Breaker (77A & up)
- Full I<sup>2</sup>t Motor OL Protection w/ Memory
- Control Power Transformer
- Interposing Relay for 120V Control
- E-Stop Lighted Pushbutton (Twist/Pull Release)
- Local/Off/Remote Selector Switch (Hand/Off/Auto)
- Fault Light
- 23 Applications Built-in / 6 Operating Languages

### 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-U Command Center

- Emergency Stop Lighted Pushbutton (Twist / Pull Release)
- Local / Off / Remote Switch
- Fault Light



**Automatic Ramp Control**



**80% more efficient than VFD\*<sup>1</sup>**



**0% Harmonics\*<sup>2</sup>**



**99.9% Efficiency\*<sup>2</sup>**

## Flexibility of Control

The VMX-U Universal Configured Soft Starter is designed to be the Ultimate Soft Starter with advanced features of the VMX-agility™ Chassis Soft Starter in a N4/12 Combination Package with Superior Functionality and Diagnostics.

## VMX-agility™ Soft Starter

With 23 pre-programmed applications profiles, the VMX-agility™ offers a quick and comprehensive commission process. A typical VMX-agility™ setup takes less than 1 minute whereas a comparable competitive product setup could take anywhere from 60 to 120 minutes depending on the application. Access to an advanced setup menu is standard for special application requirements.

Model Number	Max Amps	Nominal Motor HP Rating			Manual Motor Starter / Circuit Breaker	Frame Size
		208V	240V	480V		
VMX-U-25-MMS-X	27	7.5	7.5	15	40A MMS-63HI	0.50
VMX-U-38-MMS-X	40	10	10	25	63A MMS-63HI	0.50
VMX-U-48-MMS-X	52	10	15	30	63A MMS-63HI	0.50
VMX-U-50-MMS-X	65	15	20	40	75A MMS-100HI	0.50
VMX-U-55-CB-X	77	20	25	50	100A CB	1
VMX-U-68-CB-X	96	25	30	60	100A CB	1
VMX-U-96-CB-X	125	30	30	75	150A CB	1
VMX-U-125-CB-X	156	40	50	100	250A CB	1
VMX-U-156-CB-X	180	60	60	125	250A CB	1
VMX-U-220-CB-X	242	60	75	150	400A CB	2
VMX-U-280-CB-X	302	75	100	200	400A CB	2
VMX-U-312-CB-X	361	100	125	250	400A CB	2



### X = Line Voltage (50/60Hz)

1 = 208V, 2 = 240V, 3 = 380V, 4 = 480V  
5 = 575/600V, 6 = 415V, 8 = 400V



### 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.

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

\*2. With Internal bypass

### VMX-U DIMENSIONS

Frame Size	Type	Dimensions H x W x D
0.5	NEMA 4/4X	18" x 16" x 10" (457 x 406 x 254 mm)
1	NEMA 4/12	37" x 15" x 12" (934 x 381 x 305 mm)
2	NEMA 4/12	48" x 33" x 16" (1219 x 838 x 406 mm)

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