

VMX-PFE ТΜ The Choice for Light and Medium Duty Industrial Applications 200 - 480VAC, 1 - 28A, 1.5 - 20HP

IEC Rated Soft Starter



- Easy Setup just 3 settings
- **Multi-Function LED Front Panel**
- Start Duty: 3 x FLA within 23 sec.
- 24VDC Control Power
- **Class 10 Overload Rating**
- **IP20** Enclosure
- **Internal Bypass**
- Only 1.8" wide (Size 1)
- **DIN Rail Mounted**

Motortronics Motor Controls Made Easy

VMX-PFE[™] Cost Effective Soft Starter

Key Features

Over Current Protection Protects the Soft Starter against usage above its duty rating.

Internally Bypassed

Reduces cost once bypass is active. Reduces cabinet size and less heat produced.

Only 1.8" Wide (Size 1)

Same width as typical contactor and enables a more compact cabinet to be used.

Din-Rail Mount

For easy installation – it just clips on.

Specifications





Pumps

Compressors

230 - 460 Vac (-15/+10%)				
50 - 60 Hz +/- 2Hz				
Class 10 – le: AC53b: 3-23: 697				
5 starts/stops per hour (max) - Class 10				
30 starts/stops per hour (max) - Class 10 with optional fan				
Yes				
24Vdc approx. 4VA supplied externally to terminals 0V - +24V				
24Vdc galvanically isolated terminals -A2, EN, +A1				
Multifunction LEDs on front panel				
1 to 30 Seconds				
0 to 30 Seconds				
3 x FLC for 23 seconds at Trip Class 10 rating				
Input 1/L1, 3/ L2, 5/L3				
Output 2/T1, 4/T2, 6/T3				
IP20 rated wire clamping terminals				
UL evaluated Open Type/IP20				
0° to 104°F without de-rating				
-13°F to 140°F				
-13°F to 167°F (not exceeding 24 hours)				
3280 ft (1000m), above 328ft (1000m) de-rate linearly by 1% of unit FLC per 328ft (100m),				
above 6562ft (2000m) contact factory.				
IEC 60947-4-2; EN 60947-4-2 "AC Semiconductor Motor Controllers and Starters"				
UL, CE				

Perfect for small AC Induction Motors

Setup as simple as 1,2, 3 in under a minute!



1. Acceleration / Start Time Set acceleration time from 1-30 sec.

2. Start % Set start voltage in percent of input voltage

3. Deceleration / Stop Time Set deceleration time from 0 - 30 sec.

3S Technology

Automatic ramp control profiles ensure smooth start and stop performance, delivering stable acceleration and deceleration in all operating conditions.

Compact and Easy to Install

Ratings

Sizing Guide

		22(oV.	161	W	Trip Class 10 PFE MODEL 5 starts/hour
Model Number	Amps	Amps	HP	Amps	HP	le: AC-53b: 3-23: 69
VMX-PFE-02	3	2.2	0.5	3	1.5	VMX-PFE-02
VMX-PFE-04	3.4	3.2	0.75	3.4	2	VMX-PFE-04
VMX-PFE-06	4.8	4.2	1	4.8	3	VMX-PFE-06
VMX-PFE-08	4.8	6.8	2	4.8	3	VMX-PFE-08
VMX-PFE-10	7.6	9.6	3	7.6	5	VMX-PFE-10
VMX-PFE-12	11	9.6	3	11	7.5	VMX-PFE-12
VMX-PFE-14	14	15.2	5	14	10	VMX-PFE-14
VMX-PFE-16	14	22	7.5	21	15	VMX-PFE-18
VMX-PFE-18	21	28	10	27	20	VMX-PFE-18 + FAN

Dimensions and Weights

Model Number	Dim. H x W x D inches (mm)	Product Weight lbs. (kg)
VMX-PFE-02 thru VMX-PFE-10	5.51 (140) x 1.77 (45) x 4.73 (120)	0.88 (0.4)
VMX-PFE-12 thru VMX-PFE-18	6.5 (165) x 2.17 (55) x 4.73 (120)	1.43 (0.65)





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