

PREPACKAGED SOLID STATE STARTERS WITH ATL BYPASS



MVRXE SERIES — SEVERE DUTY WITH ACROSS-THE-LINE BYPASS AND LOAD BREAK FUSIBLE DISCONNECT

THE UPGRADED/ENHANCED DESIGN OF BENSHAW'S LEGACY PRODUCT THAT ESTABLISHED INDUSTRY STANDARDS FOR PERFORMANCE AND RELIABILITY.

KEY ADVANTAGES:

- NEMA 12, UL 347 listed
- 45 kV BIL
- Built-in self test (BIST) features for “quick commissioning”
- 425 A load break
- Switch-selectable emergency back-up full voltage starter
- MX³ embedded digital control

STANDARD FEATURES:

- 50 KAIC (4800 VAC)/ 50 KAIC (2600 VAC) short circuit fault rated
- 500%–30 seconds rated solid state starter — UL 347 certified and listed
- “R” class fusing protection
- Door-mounted controls
- Modbus communications standard

MVRXE12 - 2300 V

Model Number	HP	Dimensions (in.)				Weight (lbs.)
		A	H	W	D	
MVRXE12-550-2300**	550	131	92	36	32	1,800
MVRXE12-750-2300** †	750	200	92	36	32	1,800
MVRXE12-900-2300**	900	225	92	36	32	1,800
MVRXE12-1500-2300** †	1500	330	92	36	32	1,800

MVRXE18 - 4160 V

Model Number	HP	Dimensions (in.)				Weight (lbs.)
		A	H	W	D	
MVRXE18-1000-4160**	1000	131	92	36	32	2,000
MVRXE18-1500-4160** †	1500	200	92	36	32	2,000
MVRXE18-1700-4160**	1700	225	92	36	32	2,000
MVRXE18-3000-4160** †	3000	330	92	36	32	2,000

Starters are top entry/bottom exit — top exit available upon request. Dimensions and weights are approximate.

** Insert appropriate option code as shown: NEMA 12 = 12/NEMA 3R = 3R

† Only 350% for 30 Seconds

MODULAR OPTIONS

Model Number	Description
A406	8-Channel RTD Module, 100 ohm Platinum (Also Available for Remote Mounting)
A407	16-Channel RTD Module(s), 100 ohm Platinum (Also Available for Remote Mounting)
A409	Service Entrance Label
A875	Ground Fault CT, 2000:1, 4.0:Dia. (For MX ³ Use)

Power fuses ship loose. Must provide motor full load amps at time of order for proper fuse sizing.



SPARE PART KITS



**WANT TO MINIMIZE DOWNTIME LOSS OF PRODUCTION?
TAKE ADVANTAGE OF BENSHAW'S SPECIAL PRICING ON OUR NEW SPARE PARTS
KIT PACKAGES WHEN PURCHASED WITH AN MVRXE AND/OR BTO STARTER.**

RECOMMENDED SPARE PARTS KITS INCLUDE THE FOLLOWING:

- Power phase/stack assembly (x1)
Includes the following packaged heat sink assembly:
 - Fiber optic SCR firing card
 - SCRs (x6)
 - dV/dt filter cards (x3)
- Main control board
- Voltage divider board
- "R" class line fuses (x3)
- Primary fuses for CPT (x2)
- Secondary fuses for CPT (x3)
- Door-mounted keypad
- Door-mounted pilot lights, push-buttons and switches
- Overload relay
- Control relays



Model Number	Motor Amps
1000 HP STARTERS	
MVRXE-400101-SP	46 to 55 A
MVRXE-400102-SP	56 to 75 A
MVRXE-400103-SP	76 to 90 A
MVRXE-400104-SP	91 to 131 A
1700 HP AND 3000 HP STARTERS	
MVRXE-400107-SP	46 to 55 A
MVRXE-400108-SP	56 to 75 A
MVRXE-400109-SP	76 to 90 A
MVRXE-400110-SP	91 to 131 A
MVRXE-400111-SP	132 to 180 A
MVRXE-400112-SP	181 to 270 A
MVRXE-400113-SP	271 to 361 A

*Amp range not shown; consult factory.

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Specifications are subject to change without notice.

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