

Your Smart-Move™

into the Future...

*Miniaturized full featured
Variable Frequency Drive*

GANG-SET™
SMART-EASY
Instant
Programming
Included!

3 lbs.
6"x5.5"x5.38"
115 VAC inputs
Dynamic
braking
built in!

208-230-385-
415-460-575 VAC



Micro-speed® SMART-MOVE™



Completely integrated crane/hoist control solution!

Crane/Hoist designed
Variable Speed Drives

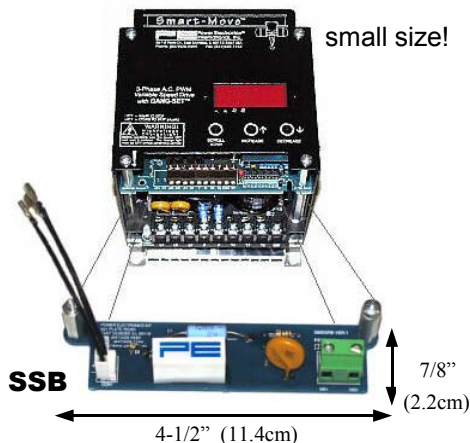
Model	VAC 50/60Hz	FLA FULL LOAD AMPS	HP 2 0 8 VAC	HP 2 3 0 VAC	HP 4 6 0 VAC	HP 5 7 5 VAC	(A) REGEN CIRCUITRY INCLUDED (ALL INTERNAL)	(B) REGEN RESISTOR	(C) CONTROL SIGNAL INTERFACE 115VAC	(D) STARTING TORQUE	LIST PRICE
208-230 VAC drives			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
MSM2A23	208-230	2.4	1/2	1/2			yes	INTERNAL	built-in	300%	800
MSM4A23	208-230	4.3	1	1			yes	INTERNAL	built-in	300%	830
MSM5A23	208-230	5.9	1.5	1.5			yes	INTERNAL	built-in	300%	890
MSM7A23	208-230	7.5	2	2			yes	INTERNAL	built-in	300%	920
460,415,385,230,208 VAC UNIVERSAL VOLTAGE DRIVES			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
MSM1A	460	1.2	1/4	1/4	1/2	-	yes	INTERNAL	built-in	300%	960
MSM2A	460	2.4	1/2	1/2	1	-	yes	INTERNAL	built-in	300%	995
MSM4A	460	4	1	1	2	-	yes	INTERNAL	built-in	300%	1080
MSM5A	460	5.4	1	1	3	-	yes	INTERNAL	built-in	300%	1160
575 VAC drives						<input checked="" type="checkbox"/>					
MSM1A57	575	1.5	-	-	-	1/2	yes	INTERNAL	built-in	300%	1180
MSM2A57	575	2.4	-	-	-	1	yes	INTERNAL	built-in	300%	1260
MSM3A57	575	3	-	-	-	1.5	yes	INTERNAL	built-in	300%	1460
MSM4A57	575	4	-	-	-	3	yes	INTERNAL	built-in	300%	1650

ALL PRODUCT SPECIFICATIONS & PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

ALL PE DRIVES ARE MANUFACTURED,
ENGINEERED & DESIGNED IN THE USA

Solid State Brake Contactor

Fig. 1 Smart-Move® and High VAC SSB single-phase fully electronic a.c. brake contactor board option pictured below.



The **SSB** is a specially engineered product for use on new Smart-Move™ drives that will save panel space, wiring and installation time by eliminating the need for an a.c. brake contactor. The small footprint of the Smart-Move™ is not compromised since the **SSB** mounts easily within the drive. Easy to attach and easy to wire. The advantage of this option is that no contactor for switching a "high" voltage AC brake is needed on a control panel - single phase only. The unit is available in both a 208-230 VAC version - **SSB1** and a *Universal Voltage version* 208 through 460 VAC - **SSB2**. The option can be attached at the factory or in the field if required. For use on drives after April, 1998.

SSB1 208-230 -single phase List \$ 45
SSB2 208 thru 460 -single phase List \$ 55

Selection of Product

Never exceed either the rated horsepower or the Full Load Amps. HP's are approximate using NEC charts at 1800rpm. Multiple motors can be controlled on the same motion (use total HP and total amps). Go to the next size if either is exceeded. **ADD "H" to part number for a hoist pre-set control** (load brake style hoist). For safety *do not* use this series of product on hoisting without internal Weston typeload brakes. If mechanical holding brake on the hoist is held open does the load drift down on the hoist? If it does drift, you definitely do NOT have an internal load brake or it is not functioning properly. Thoroughly read the manual and follow all the instructions and safety precautions.

SIZE (SEE SIZE CHART)

a3 size = 6" (15.2cm) x 5.5" (14cm) x 5-3/8" (13.7cm) Weight 4.2 lbs. (1.9Kgs) Mounting dimension: 5.5" (14cm) x 5" (12.7cm)SEE UPGRADE PATH PHILOSOPHY INFORMATION.

(A) REGEN CIRCUITRY INCLUDED

Unique to PE is that all drives include the regeneration electronic transistor circuitry as standard and is not needed to be purchased separately.

(B) REGEN RESISTOR

Regeneration resistors are INTERNAL to the drive for up to heavy duty CMAA Class D duty.

(C) CONTROL SIGNAL INTERFACE

PE Drives are *designed* for overhead crane applications and they do not require separate interface cards. The control signal interface is built into the drive (not a separate add-on card or parts to loosen). 115vac is standard, all other voltages are available, including 24vac and 48vac or dc. Add \$50 to list price for non-standard control signal inputs.

(D) STARTING TORQUE

PE drives have the *highest starting torque of any drive in the industry* of 300%. Most generic drives are only 180% or less.

Temp range: normally -10°C(14°F) to 50°C(122°F) standard CMAA Class D usage.

VAC range:

208 & 230 = 208VAC -10% to 230 +10%
460VAC +/-10%,
575VAC = 575 +7%,-10%. 50/60Hz

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Made in the USA