

INSTALLATION GUIDE AND OWNER'S MANUAL

"SINGLE POINT", "FLOW CONTROLLED" and "THERMOSTATIC" ELECTRIC INSTANTANEOUS WATER HEATERS

WARNING BEFORE ATTEMPTING ANY INSTALLATION, MODIFICATION OR SERVICE OF THIS HEATER, MAKE SURE THE ELECTRICAL POWER IS DISCONNECTED.

Read and understand these instructions thoroughly before attempting the installation or service of this water heater. Failure to follow these instructions can result in serious injury, death and/or property damage. The warranty of this water heater will depend upon the proper installation according to these instructions. Some heaters come supplied with separate faucet aerators. If supplied, the aerator must be installed in the faucet for optimum performance. This heater must be used to heat water only and be in a location where it is not subject to freezing temperatures. The manufacturer is not liable for any damages resulting from improper installation or misuse.

This installation must conform to the latest requirements of the National Electrical Code and all applicable state and local codes. This information is available through your local authorities. You must understand these requirements before beginning this installation.

This unit is not required by UL 499 to have a Temperature and Pressure relief valve (T&P). You should check with local codes to find out if one is required. If it is, it must be installed in the outlet hot water pipe between the heater and the isolation valve.

IMPORTANT SAFETY INSTRUCTIONS

When using this electrical equipment, basic safety precautions should always be followed, including the following:

READ AND FOLLOW ALL INSTRUCTIONS

A green terminal (or a wire connector marked "G", "GR, "Ground", or "GROUNDING") is provided within the control box. To reduce the risk of electric shock, connect this terminal or connector to the grounding terminal of the electric service or supply panel with a continuous copper wire in accordance with the Canadian Electrical Code, Part I. (Canadian Installations Only)

Connect only to a circuit protected by a Class A ground fault circuit interrupter. Attention: Brancher uniquement à un circuit protégé par un disjoncteur de fuite de terre de Classe A. (Canadian Installations Only)

ACAUTION

Do not install in a bath enclosure or shower stall or connect to a salt-regenerated water softener or a water supply of salt water. Attention: Ne pas installer dans une baignoire ou une cabine de douche et ne pas brancher à un adoucisseur d'eau régénéré avec du sel ou à un approvisionnement en eau salée. (Canadian Installations Only)

Use copper conductors only. Use bonding conductor in accordance with the Canadian Electrical Code Part I. Utilisez dez conducteurs en cuive uniquement. Utilisez des conducteurs de mize à la masse conformement au Code Canadien de L'Électricité, Partie I. (Canadian Installations Only)



SAVE THESE INSTRUCTIONS

GENERAL

The Eemax "**Single Point**" or "SP", "**Flow Controlled**" or "EX" and "**Thermostatic**" or "EX_T" heaters will provide optimum performance and energy savings when located under the sink and as close as possible to the point of hot water use. The heater should be <u>**BELOW**</u> the point of use. Failure to do so may void the warranty. Contact your Eemax representative for further information.

"Single Point" heaters take in cold water ONLY and heat it to temperatures suitable for hand washing.

"Flow Controlled" heaters take in cold water ONLY and heat it to temperatures suitable for normal domestic usage up to a maximum of 140 degrees F.

"Thermostatic" heaters take in cold or preheated water and heat it to temperatures suitable for normal domestic usage up to a maximum of 140 degrees F. With the "S" option, they can be used as a temperature booster for sanitation applications like dishwashers or commercial kitchens. This is the only heater of the three with thermostatic control.

1) MOUNTING THE UNIT TO THE WALL

1) The heater should be mounted "under the sink" as close to the point of use as possible. "Single Point" will have the brass fittings on the top pointing "up". "Flow Controlled" and "Thermostatic" will have the fittings on the bottom pointing "down".





3) Remove the cover and fasten to the wall using the four mounting holes at each corner of the back plate. Make sure the "UP" arrow on the circuit board is facing "UP". Replace the cover.



If you need any assistance from our Technical Service Department, make sure you can identify this water heater by having the model no: _______ and serial no: _______.

Call 203-267-7890 or toll free: 800-543-6163.

2) PLUMBING HOOK-UP

The heater is supplied with brass compression fittings that are compatible with either copper or plastic pipe. "Single Point" has 3/8" fittings. Both "Flow Controlled" and "Thermostatic" have ½" fittings. Make sure these fittings are used for this installation. Contact your Eemax representative for further information.

CAUTION <u>NEVER</u> SUBSTITUTE THREADED PIPE FITTINGS USING PIPE DOPE OR TEFLON TAPE AND <u>NEVER</u> SOLDER ANY PIPE CONNECTIONS WHILE ATTACHED TO THIS HEATER BECAUSE DAMAGE TO THE HEATER WILL RESULT. DOING THIS WILL <u>VOID THE WARRANTY</u>.

Eemax strongly recommends that the heater be supplied directly from the main cold water line when possible. This helps to avoid a potential water flow interruption to the heater which could lead to a failure of the heating element.

For optimum performance, we recommend the use of isolation valves (full flow ball type) on the inlet and outlet pipes.

1) The heater's cold water INLET is on the "RIGHT" and the hot water OUTLET is on the "LEFT". Install full flow ball valves to the inlet and outlet pipes and run water through the inlet pipe into a bucket to purge it of any debris. Close the inlet ball valve.



2) Make sure the inlet filter screen is present in the inlet fitting and the inlet and outlet pipes are correctly aligned with the heater connections to minimize stress on the heater.



3) Remove the cover. Connect the pre-assembled inlet and outlet pipes to the heater and fully open the inlet and outlet ball valves. Check for water leaks. If a leak is at a compression fitting, slowly tighten the compression nut until it stops. Replace the cover.



4) Open the hot water faucet and run the water a minute or two until the flow is continuous and free of air pockets. Close the faucet and install the aerator (if supplied).





3) ELECTRICAL HOOK-UP

WARNING

ELECTRICAL BREAKER IS "OFF" AND THAT ALL MOUNTING AND PLUMBING WORK HAS BEEN COMPLETED PER THESE INSTRUCTIONS.

This heater must have its own independent circuit using insulated, UL listed, 3 wire cable (2 wire plus ground) of the appropriate size suitable for up to 75 degree C and protected by the correctly rated circuit breaker. Refer to the chart on page 7.



2) The power leads are to be secured to the L1 and L2 or L and N connectors on the terminal block or relay. The ground lead is to be secured to the GND connector on the block or the green ground wire with the wire nut.



WARNING

AND/OR PROPERTY DAMAGE.

3) Leave the breaker in the "OFF" position. Proceed to the next section:

COMMISSIONING THE HEATER



ELECTRICAL SPECIFICATIONS:

| "SINGLE POINT" | "FLOW CONTROLLED" | "THERMOSTATIC" | | | | WIRE SIZE |
|-------------------|----------------------|----------------|-------|------|------|--------------|
| MODEL | MODEL | MODEL | VOLTS | kW | AMPS | AWG |
| SP2412 | EX2412 | EX2412T | 120 | 2.4 | 20.0 | 12 |
| SP3012 | EX3012 | EX3012T | 120 | 3.0 | 25.0 | 10 |
| SP3512 | EX3512 | EX3512T | 120 | 3.5 | 29.2 | 10 |
| SP3208 | EX3208 | EX3208T | 208 | 3.0 | 14.4 | 14 |
| SP4208 | EX4208 | EX4208T | 208 | 4.1 | 19.7 | 12 |
| SP8208 | EX8208 | EX8208T | 208 | 8.3 | 40.0 | 8 |
| SP35 | EX35 | EX35T | 240* | 3.5 | 14.6 | 14 |
| SP48 | EX48 | EX48T | 240* | 4.8 | 20.0 | 12 |
| SP55 | EX55 | EX55T | 240* | 5.5 | 22.9 | 10 |
| SP65 | EX65 | EX65T | 240* | 6.5 | 27.0 | 10 |
| SP75 | EX75 | EX75T | 240* | 7.5 | 32.0 | 8 |
| SP95 | EX95 | EX95T | 240* | 9.5 | 40.0 | 8 |
| n/a | n/a | EX012240T | 240* | 11.5 | 48.0 | 6 |
| SP3277 | EX3277 | EX3277T | 277 | 3.0 | 10.8 | 14 |
| SP4277 | EX4277 | EX4277T | 277 | 4.1 | 14.8 | 14 |
| SP60 | EX60 | EX60T | 277 | 6.0 | 22.0 | 10 |
| SP80 | EX80 | EX80T | 277 | 8.0 | 29.0 | 10 |
| SP90 | EX90 | EX90T | 277 | 9.0 | 33.0 | 8 |
| SP100 | EX100 | EX100T | 277 | 10.0 | 36.0 | 8 |

* 240V units can be used on 208V with 25% reduced temperature output.

4) COMMISSIONING THE HEATER

CAUTION BEFORE SWITCHING THE ELECTRICAL BREAKER "ON", MAKE SURE THE INLET AND OUTLET BALL VALVES ARE FULLY OPEN AND WATER IS FLOWING THROUGH THE HOT WATER FAUCET FOR A MINUTE OR TWO UNTIL THE FLOW IS CONTINUOUS AND FREE FROM AIR POCKETS. DO NOT SWITCH THE BREAKER "ON" IF THERE IS A POSSIBILITY THE WATER IN THE HEATER IS FROZEN.



For "Single Point" and "Flow Controlled" heaters, go to 5). For "Thermostatic", go to 6).

5) "Single Point" and "Flow Controlled". At this point, the water temperature may not be very hot. Using the <u>OUTLET BALL VALVE</u>, slowly reduce water flow until the desired temperature is achieved. Keep the <u>INLET BALL</u> <u>VALVE</u> fully "OPEN". NEVER RESTRICT THE WATER FLOW USING THE INLET VALVE. The temperature is proportional to the flow through the heater; the lower the flow, the higher the temperature and vice versa. The heater is fully installed and ready for use.



6) "Thermostatic". Water too cold. Using the <u>OUTLET BALL VALVE</u>, slowly reduce water flow until the desired temperature is achieved. Keep the <u>INLET BALL</u> <u>VALVE</u> fully "OPEN". NEVER RESTRICT THE WATER FLOW USING THE INLET VALVE. The temperature is proportional to the flow through the heater; the lower the flow, the higher the temperature and vice versa. The heater is fully installed and ready for use.

"Thermostatic". Water too hot. Turn the temperature adjustment screw counter-clockwise about 1/8 of a turn and wait 15-20 seconds. If the temperature remains too hot, repeat this step until the desired temperature is achieved. The heater is fully installed and ready for use.



TEMPERATURE RISE AT SPECIFIED FLOW RATE, DEGREES F:

| "SINGLE | "FLOW | | | | | | |
|---------|-------------|----------------|-----|-----|-----|-----|-----|
| POINT" | CONTROLLED" | "THERMOSTATIC" | | | | | |
| | | | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 |
| MODEL | MODEL | MODEL | GPM | GPM | GPM | GPM | GPM |
| SP2412 | EX2412 | EX2412T | 33 | 16 | 11 | 8 | 6 |
| SP3012 | EX3012 | EX3012T | 41 | 20 | 14 | 10 | 8 |
| SP3512 | EX3512 | EX3512T | 48 | 24 | 16 | 12 | 9 |
| SP3208 | EX3208 | EX3208T | 41 | 20 | 14 | 10 | 8 |
| SP4208 | EX4208 | EX4208T | 56 | 28 | 19 | 14 | 11 |
| SP8208 | EX8208 | EX8208T | * | 57 | 38 | 28 | 14 |
| SP35 | EX35 | EX35T | 48 | 24 | 16 | 12 | 9 |
| SP48 | EX48 | EX48T | 65 | 32 | 21 | 16 | 13 |
| SP55 | EX55 | EX55T | 75 | 38 | 25 | 19 | 15 |
| SP65 | EX65 | EX65T | * | 44 | 30 | 22 | 18 |
| SP75 | EX75 | EX75T | * | 51 | 34 | 26 | 20 |
| SP95 | EX95 | EX95T | * | 65 | 43 | 32 | 26 |
| n/a | n/a | EX012240T | * | 73 | 52 | 39 | 31 |
| SP3277 | EX3277 | EX3277T | 41 | 21 | 14 | 10 | 8 |
| SP4277 | EX4277 | EX4277T | 56 | 28 | 19 | 14 | 11 |
| SP60 | EX60 | EX60T | * | 41 | 27 | 20 | 15 |
| SP80 | EX80 | EX80T | * | 55 | 36 | 27 | 22 |
| SP90 | EX90 | EX90T | * | 61 | 41 | 31 | 26 |
| SP100 | EX100 | EX100T | * | 68 | 46 | 34 | 27 |

* Not enough water flow to activate the heater.

BASIC TROUBLESHOOTING

SYMPTOM: NO HEAT AND THE POWER INDICATOR LIGHT ON THE CIRCUITBOARD IS "OFF".

- 1) Verify the heater is mounted to the wall correctly. "Single Point" has the brass fittings pointed "UP". "Flow Controlled" and "Thermostatic" have the fittings pointed "DOWN".
- 2) Verify it is plumbed correctly. The cold water INLET is on the "RIGHT" and the hot water OUTLET is on the "LEFT".
- 3) No electrical power to the heater. Switch the breaker "ON".
- 4) Incorrect power supply. Make sure the heater is connected to the voltage specified on the rating label on the front cover.
- 5) Not enough water flow through the heater to turn the heating element "ON". Check the inlet and outlet ball valves to make sure they are open. Also check the inlet filter screen inside the inlet fitting to make sure it is not plugged (see page 4). Clean or replace the aerator at the faucet.
- 6) Still NO HEAT? Contact Eemax. Call 203-267-7890 or 800-543-6163.

SYMPTOM: NO HEAT, LOW OR INCONSISTENT TEMPERATURE WITH INDICATOR LIGHT "ON".

- 1) Water flow is too high. Reduce the water flow by slowly closing the OUTLET ball valve.
- 2) Incorrect power supply. Make sure the heater is connected to the voltage supply specified on the rating label on the front cover.
- 3) Electrical heating element is burned out. Turn off electrical power by switching the breaker "OFF". Use an ohmmeter to test the resistance across the two threaded terminals at the end of the element. The resistance varies, depending on the model of the heater, but should be less than 30 ohms. If it is much greater or fluctuating, contact Eemax for a replacement element cartridge.



If you need any assistance from our Technical Service Department, make sure you can identify this water heater by having the model no:______ and serial number:______.

Call 203-267-7890 or toll free: 800-543-6163.

PERIODIC MAINTENANCE

This heater is designed for many years of care free use. In order to maintain consistent water flow, it may be necessary to periodically clean the faucet aerator or the filter screen located in the brass inlet fitting at the heater.

PART NUMBERS FOR FITTINGS, AERATORS AND AERATOR ADAPTORS

AERATORS: 0.5 GPM

1.0 GPM

EX0061-0.5AER

EX0061-1.0AER

| COMPRESSION FITTINGS: | |
|-------------------------|---------|
| 3/8" NUT | EX68B |
| 3/8" SLEEVE | EX68C |
| 3/8" ADAPTOR | EX0068D |
| 5/8" NUT for ½" pipe | EX17 |
| 5/8" SLEEVE for ½" pipe | EX16 |
| | |
| AERATOR ADAPTORS: | |

| MALE 13/16"-27 X MALE 55/64"-27 | EX61-339 |
|--|----------|
| FEMALE 3/4"-27 X MALE 55/64"-27 | EX61-341 |
| FEMALE 13/16"-24 X MALE 55/64"-27 | EX61-349 |
| MALE 15/16"-27 X MALE 55/64"-27 | EX61-336 |
| MALE 11/16"-27 X MALE 55/64"-27 | EX60-344 |
| MALE M24X1/FEMALE M22X1 X MALE 55/64"-27 | EX61-387 |

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Call 203-267-7890 or toll free: 800-543-6163.

Eemax Inc., 353 Christian Street, Oxford, CT 06478

Tel: 800-543-6163, 203-267-7890, Fax: 203-267-7975, email: info@eemaxinc.com

REPAIR PARTS FOR "SINGLE POINT" UNITS



| | ELEMENT | CONTROL | | EMERGENCY |
|--------|-----------|-------------|--------|-----------|
| MODEL | CARTRIDGE | BOARD | RELAY | CUT OFF |
| SP2412 | EX610SP | EX0183DL-30 | EX250B | EX278A |
| SP3012 | EX480SP | EX0183DL-30 | EX250B | EX278A |
| SP3512 | EX410SP | EX0183DL-30 | EX250B | EX278A |
| SP3208 | EX1440SP | EX0183DL-30 | EX253B | EX278A |
| SP4208 | EX1050SP | EX0183DL-30 | EX253B | EX278A |
| SP8208 | EX520SP | EX0183DL-40 | EX255B | EX278A |
| SP35 | EX1650SP | EX0183DL-30 | EX254B | EX278A |
| SP48 | EX1200SP | EX0183DL-30 | EX254B | EX278A |
| SP55 | EX1050SP | EX0183DL-30 | EX254B | EX278A |
| SP65 | EX890SP | EX0183DL-30 | EX254B | EX278A |
| SP75 | EX770SP | EX0183DL-40 | EX255B | EX278A |
| SP95 | EX630SP | EX0183DL-40 | EX255B | EX278A |
| SP3277 | EX260SP | EX0183DL-30 | EX251B | EX278A |
| SP4277 | EX1870SP | EX0183DL-30 | EX251B | EX278A |
| SP60 | EX1280SP | EX0183DL-30 | EX251B | EX278A |
| SP80 | EX960SP | EX0183DL-30 | EX251B | EX278A |
| SP90 | EX850SP | EX0183DL-40 | EX253B | EX278A |
| SP100 | EX760SP | EX0183DL-40 | EX253B | EX278A |

REPAIR PARTS FOR "FLOW CONTROLLED" UNITS



| | ELEMENT | CONTROL | | EMERGENCY |
|--------|-----------|-------------|--------|-----------|
| MODEL | CARTRIDGE | BOARD | RELAY | CUT OFF |
| EX2412 | EX610 | EX0183DL-30 | EX250B | EX278A |
| EX3012 | EX480 | EX0183DL-30 | EX250B | EX278A |
| EX3512 | EX410 | EX0183DL-30 | EX250B | EX278A |
| EX3208 | EX1440 | EX0183DL-30 | EX254B | EX278A |
| EX4208 | EX1050 | EX0183DL-30 | EX254B | EX278A |
| EX8208 | EX520 | EX0183DL-40 | EX255B | EX278A |
| EX35 | EX1650 | EX0183DL-30 | EX254B | EX278A |
| EX48 | EX1200 | EX0183DL-30 | EX254B | EX278A |
| EX55 | EX1050 | EX0183DL-30 | EX254B | EX278A |
| EX65 | EX890 | EX0183DL-30 | EX254B | EX278A |
| EX75 | EX770 | EX0183DL-40 | EX255B | EX278A |
| EX95 | EX630 | EX0183DL-40 | EX255B | EX278A |
| EX3277 | EX260 | EX0183DL-30 | EX251B | EX278A |
| EX4277 | EX1870 | EX0183DL-30 | EX251B | EX278A |
| EX60 | EX1280 | EX0183DL-30 | EX251B | EX278A |
| EX80 | EX960 | EX0183DL-30 | EX251B | EX278A |
| EX90 | EX850 | EX0183DL-40 | EX253B | EX278A |
| EX100 | EX760 | EX0183DL-40 | EX253B | EX278A |

REPAIR PARTS FOR "THERMOSTATIC" UNITS

| RELAY EMERGENCY CUT OFF | | | | |
|----------------------------|-----------|--------------|----------|-----------|
| | ELEMENT | CONTROL BOAR | D | EMERGENCY |
| MODEL | CARTRIDGE | BOARD | RELAY | CUT OFF |
| EX2412T | EX610 | EX284-120 | EX259B | EX278A |
| EX3012T | EX480 | EX284-120 | EX259B | EX278A |
| EX3512T | EX410 | EX284-120 | EX259B | EX278A |
| EX3208T | EX1440 | EX284AB-240 | EX255B | EX278A |
| EX4208T | EX1050 | EX284AB-240 | EX255B | EX278A |
| EX8208T | EX520 | EX284AB-240 | EX255B | EX278A |
| EX35T | EX1650 | EX284AB-240 | EX255B | EX278A |
| EX48T | EX1200 | EX284AB-240 | EX255B | EX278A |
| EX55T | EX1050 | EX284AB-240 | EX255B | EX278A |
| EX65T | EX890 | EX284AB-240 | EX255B | EX278A |
| EX75T | EX770 | EX284AB-240 | EX255B | EX278A |
| EX95T | EX630 | EX284AB-240 | EX255B | EX278A |
| EX012240T | EX500 | EX284AB-240 | EX1050-1 | EX278A |
| EX3277T | EX260 | EX284AB-277 | EX253B | EX278A |
| EX4277T | EX1870 | EX284AB-277 | EX253B | EX278A |
| EX60T | EX1280 | EX284AB-277 | EX253B | EX278A |
| EX80T | EX960 | EX284AB-277 | EX253B | EX278A |

EX278A

EX278A

EX284AB-277

EX284AB-277

EX253B

EX253B

EX90T

EX100T

EX850

EX760

CE

DECLARATION OF CONFORMITY

Manufacturer's Name: Eemax, Inc.

Manufacturer's Address: 353 Christian Street Oxford, CT 06478 USA

Product Description: Electric Tankless Water Heaters

Product Model Designation: SP, EX, EM

Application of Council Directive: 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to Electrical Equipment designed for use within certain voltage limits and

Council Directive 2004/108/EC relating to electromagnetic compatibility and repealing Directive 89/336/EEC.

Referenced Safety Standards

IEC 60335-2-35:2006 Used in conjunction with IEC60335-1:2001 (incl. Corrigendum 1:2004 and 2:2006) **Referenced EMC Standards**

CISPR 14-1 (Ed. 5): 2005 (EN 55014-1 2006) CISPR 14-2 (Ed. 1): 1997 +A1/A2: 2008 (EN 55014-2: 1997 +A1/A2: 2008) IEC 61000-3-2 (Ed. 3): 2005 +A1/A2: 2008 (EN 61000-3-2: 2006+ A1:2009) IEC 61000-3-3 (Ed. 2): 2008 (EN 61000-3-3: 2008)

I, the undersigned, hereby declare that the models specified above conform to the above Directive(s) and Standard(s).

| Signature: | All Them | |
|---------------|--------------|--|
| | | |
| Printed name: | Jeff Hankins | |

Title: Vice President, Operations and Technology

Eemax Inc., 353 Christian Street, Oxford, CT 06478

Tel: 800-543-6163, 203-267-7890, Fax: 203-267-7975, email: info@eemaxinc.com

Eemax CE Product Plan

| New Model No. | Former Model Number | Phase | Modules | Volts | Watts |
|---------------|---------------------------|-------|---------|-------|--------|
| SP002120CE | SP2412 | 1 | 1 | 120 | 2.4kW |
| SP003120CE | SP3012 | 1 | 1 | 120 | 3.0kW |
| SP004120CE | SP3512 | 1 | 1 | 120 | 3.5kW |
| SP004240CE | SP35 | 1 | 1 | 240 | 3.5kW |
| SP005240CE | SP48 | 1 | 1 | 240 | 4.8kW |
| SP006240CE | SP55 | 1 | 1 | 240 | 5.5kW |
| SP007240CE | SP65 | 1 | 1 | 240 | 6.5kW |
| SP008240CE | SP75 | 1 | 1 | 240 | 7.5kW |
| SP010240CE | SP95 | 1 | 1 | 240 | 9.5kW |
| SP003220CE | SP282* | 1 | 1 | 220 | 2.8kW |
| SP004220CE | SP332* | 1 | 1 | 220 | 3.3kW |
| SP006220CE | SP552* | 1 | 1 | 220 | 5.5kW |
| SP007220CE | SP662* | 1 | 1 | 220 | 6.6kW |
| SP009220CE | SP882* | 1 | 1 | 220 | 8.8kW |
| EX004240CE | EX35 | 1 | 1 | 240 | 3.5kW |
| EX005240CE | EX48 | 1 | 1 | 240 | 4.8kW |
| EX006240CE | EX55 | 1 | 1 | 240 | 5.5kW |
| EX007240CE | EX65 | 1 | 1 | 240 | 6.5kW |
| EX008240CE | EX75 | 1 | 1 | 240 | 7.5kW |
| EX010240CE | EX95 | 1 | 1 | 240 | 9.5kW |
| EX003220CE | EX282* | 1 | 1 | 220 | 2.8kW |
| EX004220CE | EX332* | 1 | 1 | 220 | 3.3kW |
| EX006220CE | EX552* | 1 | 1 | 220 | 5.5kW |
| EX007220CE | EX662* | 1 | 1 | 220 | 6.6kW |
| EX009220CE | EX882* | 1 | 1 | 220 | 8.8kW |
| EM1015 | Same* | 1 | 1 | 230 | 1.50kW |
| EM1024 | Same* | 1 | 1 | 230 | 2.30kW |
| EM1637 | Same* | 1 | 1 | 230 | 3.68kW |
| EM1637SP | Same* | 1 | 1 | 230 | 3.68kW |
| EM2046 | Same* | 1 | 1 | 230 | 4.60kW |
| EM2557 | Same* | 1 | 1 | 230 | 5.75kW |
| EM2557SP | Same* | 1 | 1 | 230 | 5.75kW |
| EM3273 | Same* | 1 | 1 | 230 | 7.36kW |
| EM4092 | Same* | 1 | 1 | 230 | 9.20kW |

| For repair parts, see | PRESSURE |
|-----------------------|--------------|
| pages 12 and 13. | 175 kPa min |
| *Contact Eemax | |
| directly. | 1034 kPa max |