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## EMX STRIPHEATERS FOR ACRYLIC SHEET BENDING

This heavy duty stripheater is designed to place a narrow strip of heat on an acrylic plastic sheet until it is soft and pliable enough to bend to the desired form. It is capable of heating sheets up to 1/2" thick.

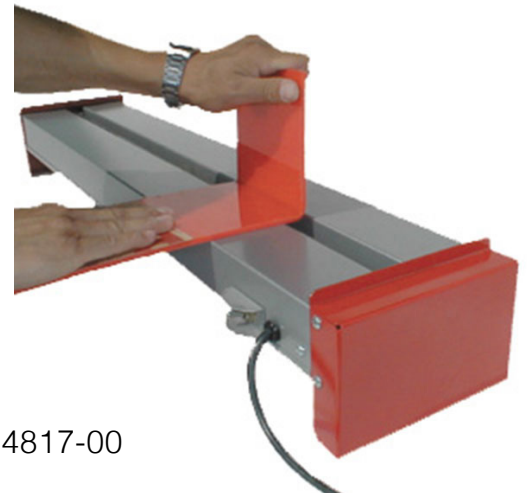


- Thermostat controlled Low/High setting
- ON/Off switch
- Pilot Light
- Cord Winding Bracket
- Very sturdy sheet metal construction and baked enamel paint

 LR85113	<b>MADE IN CANADA</b> 		
<b>MODEL NO.</b>	EMX-2		
<b>SERIAL NO.</b>	16-12-0263		
<b>WATTS</b>	625	<b>VOLTS</b>	120
<b>MAX. TEMP.</b>	450 F / 232 C		
<small>KIDDER Mfg. Co. Ltd. Unit 20, 100 West Beaver Creek Rd., Richmond Hill, ON L4B 1H4</small>			

### MODEL EMX-2 CAT.# 80-4816-00

Watts 625, Volts 115AC  
Length 48", Width 7"  
Replacement Elements: Cat.# 80-4817-00



## HOW TO USE THE EMX STRIPHEATER

### HEAT FORMING

Acrylic is a thermoplastic material. When heated to approximately 340° f (171 ° c), it becomes soft and pliable. At this stage it can be formed into almost any shape as it cools. Because acrylic is a thermoplastic, it can be re-heated and will return to its original shape.

### STRIPHEATING

The EMX stripheater was designed to place a strip of heat on your acrylic sheet approximately 1" (2.5 cm) wide. The EMX-2 will accept a sheet of acrylic up to 48" (121 cm). It will bend sheets of acrylic from 1/16" (1.6 mm) to 1/2" (12 mm).

### OPERATING INSTRUCTIONS

- 1) Turn unit on and see if pilot light is lit. Set rheostat underneath the unit to HI.  
(Turn clockwise by hand. There is no knob for the rheostat)
- 2) Remove paper masking from acrylic sheet on the part that is exposed to the heat (both front and back).
- 3) Place acrylic sheet over heater and wait for slight rippling changes to occur on the surface. At this point the sheet should be soft enough to bend. Rippling will only occur on thicknesses up to 1/4". Heating times may vary from 1 minute to 30 minutes depending on the thickness of the material.
- 4) Have on hand a jig or some kind of backing against which the bent sheet can be supported without movement while it cools to desired bend.
- 5) To make very sharp bends, cut a "V" groove 90 degrees with a plastic cutting saw on the inside bend area and heat the opposite side of grooved area. The folding radii is determined by the shape of the groove and it's depth.
- 6) **AVOID OVER HEATING AS IT WILL CAUSE THE SURFACE TO BURN AND BLISTER.**  
Always experiment with scrap acrylic first.
- 7) To test whether the sheet has been sufficiently heated hold one end of the sheet and flex the other end while the material is still being heated. When it flexes easily, proceed with bending.
- 8) The surface of the stripheater can get hot around the element. Be cautious.

### REPLACEMENT PARTS LIST

48" Calrod Heating Element for model EMX-2 – CAT# 80-4817-00

Toggle Switch – CAT# 80-4825-00

Thermostat Control Switch – CAT# 80-4826-00

End Cap Support – CAT# 80-4827-00

### WARRANTY

Your unit is guaranteed against defective workmanship and material. This guarantee does not include repair or replacement due to misuse, abuse, or normal wear and tear. This guarantee ends one year after date of purchase.



### WARRANTY APPLICATION

Date Purchase \_\_\_\_\_

Company Name \_\_\_\_\_ Your Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

Province/State \_\_\_\_\_ Postal Code/Zip Code \_\_\_\_\_

Serial # \_\_\_\_\_ Model Number \_\_\_\_\_