



**INDUSTRIAL FAN FORCED HEATER  
INSTRUCTION MANUAL  
MODEL: EB100**

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**PLEASE READ AND SAVE THESE  
IMPORTANT SAFETY INSTRUCTIONS**

[info@matrixindustrialproducts.com](mailto:info@matrixindustrialproducts.com)

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## TECHNICAL SPECIFICATIONS

Model	EB100
Voltage	240/208 VAC
Frequency	60 Hz
Watt	4800W/3600W

# IMPORTANT INSTRUCTIONS

## PLEASE READ ALL INSTRUCTIONS BEFORE USING THIS HEATER

NOTE: There may be a trace of smoke or odor when unit is first operated. Do not be alarmed. This indicates that a drop of oil fell on the heating coil during the manufacturing process. It will quickly evaporate and should not re-occur. Make sure that the room in which the appliance is located is well ventilated during this operation. It is normal for the appliance to emit small crackling sounds when you turn it on for the first time. Do not be alarmed

WHEN USING ELECTRICAL APPLIANCES, BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE RISK OF FIRE, ELECTRICAL SHOCK AND INJURY TO PERSONS OR PROPERTY, INCLUDING THE FOLLOWING:

1. Read all instructions before using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, paper, clothes and curtains at least 3 feet (0.9 meters) from the front and top of the heater and keep them away from the sides and rear. Ensure a minimum clearance of 5.5 inches (14 cm) from both sides and rear of heater to adjacent walls. Keep the rear grille away from walls or drapes so as not to block air intake.
3. Extreme caution and reasonable supervision are necessary when any heater is used near children, persons with mobility or physical disabilities or pets and whenever the heater is left operating and unattended.
4. Always unplug heater when not in use. To disconnect, grip plug and pull from wall outlet. Never yank on cord.
5. To disconnect the heater, turn controls to OFF, then remove the plug from outlet.
6. Do not operate any heater with a damaged cord or plug or after the heater malfunctions or has been dropped or damaged in any manner. Return heater to an authorized service facility for examination, electrical or mechanical adjustment or repair.
7. Do not use outdoors.
8. This heater is not intended for use in bathrooms, laundry area or similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
9. Do not run cord under carpeting. Do not cover cord with throw rugs, runners or the like. Do not route cord under furniture or appliances. Arrange cord away from traffic area where it will not be tripped over. Route the cord so that it will not be walked on, or pinched by furniture.
10. Connect to properly grounded outlets only. Check heater voltage and amperage on the back of the heater to make sure it agrees with the electrical service supplied.
11. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire or damage to the heater.
12. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use soft surfaces, like a bed, where openings may become blocked.
13. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, injury to persons or other damage to property.
14. This heater draws 20 Amps during operation. Be sure to use a dedicated 240 VAC, 30A circuit for the heater.

15. It is normal for the heater's plug and cord to feel warm to the touch. A plug or cord which becomes hot to the touch or becomes distorted in shape may be a result of a worn electrical outlet. Worn outlets or receptacles should be replaced prior to further use of this heater. Plugging heater into a worn outlet/receptacle may result in overheating of the power cord or fire.
16. Ensure the heater is on a stable, secure floor surface to eliminate the potential of tipping it over.
17. Be sure that the plug is fully inserted into appropriate receptacle. Please remember that receptacles also deteriorate due to aging and continuous use: check periodically for signs of overheating or deformations evidenced by the plug. Should this occur, do not use the receptacle if deteriorated. CALL your electrician.
18. Check that neither the appliance nor the power cable has been damaged in any way during transportation.
19. Make sure that no pieces of polystyrene or other packaging material have been left between one element of the appliance and another. It may be necessary to pass over the appliance with a vacuum cleaner.
20. When switching on the appliance for the first time, you may notice a slight odor which is normal with new electrical appliances. Allow odor to dissipate by running appliance at full power for about 10 minutes. Make sure that the room in which the appliance is located is well ventilated during this operation. This heater draws 20 Amps during operation. To prevent overloading a circuit, do not plug the heater into a circuit that already has another appliance working.
21. Do not run in locations when the heater will be left unattended for long periods of time (for example – in an unoccupied summer cottage).
22. Do not use attachments or filters. They are not recommended.
23. Always plug heater directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet power strip).
24. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or other flammable liquids are used or stored.

Removing or modifying the plug (NEMA #6-30P) may result in serious injury or electrocution. It will also void any expressed warranties.

**WARNING:** NOT FOR HOUSEHOLD USE. THIS IS A FLOOR HEATER ONLY. RISK OF FIRE, DO NOT USE AS A RESIDENTIAL OR HOUSEHOLD HEATER.

**CAUTION:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

**PET OWNERS WARNING:** The health of some small pets including birds are extremely sensitive to the fumes produced during the first-time use of many appliances. These fumes are not harmful to humans but we recommend that you do not use your heater around birds and small pets during the initial use until the manufacturing corrosion coatings burn off.

**SAVE THESE INSTRUCTIONS**

# PARTS OF THE HEATER

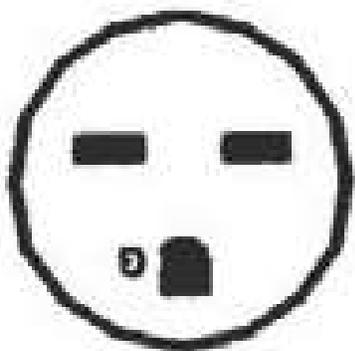
1.	Carry handle
2.	Housing
3.	Safety grille
4.	Heating element
5.	Thermostat control
6.	Plug (NEMA #6-30P)



## GROUNDING AND OPERATING INSTRUCTIONS

**IMPORTANT: THIS HEATER IS FOR USE ON THE FLOOR ONLY.**

Prior to operating the heater, ensure the electrical receptacle is of the configuration and capacity appropriate for the heater. See the receptacle configuration in OPERATING INSTRUCTIONS. This heater is for use on 240 volts. The cord has a plug as shown in #6. No adapter is available for this blade configuration, and none should be used. The type of receptacle is a 240-volt grounding receptacle (NEMA 6-30R). When properly installed, it provides a ground connection through the cord to the heater to protect the operator from electric shock.



**Receptacle: NEMA #6-30R 250V 30 Amps**



**Plug: NEMA #6-30P 250V 30 Amps**

### **Your heater is equipped with a thermostat:**

1. Turn the unit on by turning the thermostat dial away from the OFF position.
2. Once the room reaches the desired temperature, slowly turn the Thermostat Control knob counter clockwise until you hear a “click.” This sets the heater to cycle ON/OFF to maintain the desired heating temperature for energy efficiency.
3. To completely shut the unit OFF, turn the thermostat dial to the OFF position and unplug the heater.

## **CLEANING AND MAINTENANCE**

### **Before any cleaning, make sure that:**

1. The heater is turned OFF.
2. Disconnect power supply at source by removing plug from power outlet.
3. Your heater is now ready for cleaning.

### **Regular Cleaning:**

1. Do not use cleaning liquid or other chemicals to spray on the unit.
2. Interior dust can often be removed by using a vacuum cleaner with a crevice tool attachment.
3. To clean enclosure, use a clean, soft and lightly damp cloth to gently wipe off the dirt from the surface of the unit. Be sure not to wet the heating element and the switches. Allow the unit to dry completely before using it.

**CAUTION: DO NOT ALLOW WATER TO RUN INTO THE INTERIOR OF THE HEATER AS THIS COULD CREATE A FIRE OR ELECTRIC SHOCK HAZARD, DAMAGING THE UNIT.**

## **STORAGE**

1. Perform the cleaning procedures described in “Cleaning/Maintenance.”
2. Wipe all parts to dry.
3. Pack the heater in a plastic bag and store it in a cool, dry place.

# TROUBLESHOOTING

If your heater fails to operate, please follow these procedures:

Problem	Probable Cause	Solution
Unit is not heating.	Overheat protection has temporarily deactivated the heater.	Turn all switches to the OFF position and unplug the unit from the wall outlet and <b>ALLOW IT TO COOL</b> for 15 minutes. Inspect and remove any objects on or adjacent to the heater. Inspect if fan function still performs well. After 15 minutes, plug the unit back into wall outlet and operate as normal.
	Room temperature has been warmed up to thermostat setting.	To increase the room temperature, adjust thermostat control knob to a higher setting by turning clockwise.
	Heater is not plugged to a 240V grounded outlet/receptacle.	Ensure unit is in OFF position. Plug in unit and attempt to turn on again.
	Breaker/Fuse has been tripped.	<ul style="list-style-type: none"> <li>Check your electrical box to confirm the breaker has not been blown. This may occur if the receptacle is shared between other high consumption appliances.</li> <li>Ensure unit is in the OFF position. Plug in unit and attempt to turn on again.</li> </ul>
The heater is creating a burning smell.	A drop of oil fell on the heating coil during the manufacturing process. It will quickly evaporate and should not occur again.	Ensure room in which heater in is situated is well ventilated.
	Check and ensure there are no combustible materials within 3 feet (0.9 meters) surrounding the heater.	Remove any combustible items from the heater.
	Ensure a minimum clearance of 5.5 inches (14 cm) from both sides and rear of heater to adjacent walls.	Reposition the heater so there is enough space around the heater to the adjacent walls.

**PLEASE DO NOT ATTEMPT TO OPEN OR REPAIR THE HEATER YOURSELF. DOING SO COULD CAUSE DAMAGE OR PERSONAL INJURY.**