



INSTALLATION INSTRUCTIONS

EWC12P*/13P*

MAGICPAK CHASSIS

This manual must be left with the homeowner for future reference.



This is a safety alert symbol and should never be ignored. When you see this symbol on labels or in manuals, be alert to the potential for personal injury or death.

⚠ WARNING

This chassis shall be installed by a qualified agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, electric shock, fire, or explosion may result, which may cause property damage, personal injury, or death. The qualified service agency performing this work assumes responsibility for properly installing this chassis.

⚠ WARNING

Consult current EWC specifications to ensure wire and breaker are sized appropriately.

⚠ WARNING

This Chassis is designed for, and should only be used in, MagicPak All-In-One™ EWC models of similar cooling capacity. Any other use could result in actions that might cause property damage, personal injury, or death.

⚠ WARNING



Risk of electrical shock. Disconnect all remote power supplies before installing or servicing any portion of the system. Failure to disconnect power supplies can result in property damage, personal injury, or death.

Parts List

Quantity	Part
1	Wiring Diagram Label - 5kW
1	Wiring Diagram Label - 7kW
1	Wiring Diagram Label - 10kW
1	Wiring Diagram Label - 15kW
1	Installation Instructions

Manufactured By
Allied Air Enterprises LLC
A Lennox International, Inc. Company
215 Metropolitan Drive
West Columbia, SC 29170



508095-03

Save these instructions for future reference

General Instructions

This chassis is the self-contained cooling section of an EWC unit. It is designed to be assembled into an EWC cabinet, and is not intended for any other use or application.

This chassis is a replacement chassis for EWC* series units. 13P* chassis may be used as replacement for 12P* series units. 12P* chassis may not be used as replacement in 13P* models.

NOTE: *The tonnage of this replacement chassis must match the tonnage of the chassis being replaced.*

If any damage to the contents is found at the time of delivery, proper notation should be made on the carrier's freight bill. Damage claims should be filed with the carrier at once. Claims of shortage should be filed with the manufacturer within 5 days.

Removing the Old Chassis

1. Make sure that the electrical supply is disconnected.
2. Remove the filter access panel and center rear panel.
3. Disconnect the wire harness plug and remove the line voltage wires from the contactor.
4. Disconnect the condensate drain tube from drain pan.
5. Remove the blower close-off panel and remaining screws retaining the chassis in the cabinet.
6. Slide out the existing chassis.
7. Slide in new EWC chassis and attach chassis in reverse order of the removal.
8. Re-install the center rear panel on the unit, being careful not to pinch any wiring.
9. Re-install the filter access panel on the center rear panel.
10. Establish the electrical supply to the unit and check the following.
 - a. Set thermostat for a call for cooling.
 - b. The compressor, condenser fan, and blower will start approximately 8 seconds after the thermostat calls for cooling.
 - c. When the thermostat is satisfied in the cooling mode, the compressor and condenser fan motor will shut off immediately. The circulating air blower will continue to operate for approximately 90 seconds.
 - d. Set the thermostat to call for heat.
 - e. Verify heat elements operate.
 - f. Allow the unit to reach steady state conditions and verify that the unit is operating at the desired outlet temperature.
 - g. Turn thermostat down. The circulating air blower will continue to operate for approximately 30 seconds after the thermostat is satisfied.
11. Install the new wiring diagram (supplied) on the unit over the existing wiring diagram. If wire modifications were required, mark the changes on the wiring diagram for future reference.

NOTE: *Apply the appropriate wiring diagram to unit matching the existing unit's heating capabilities.*