



©2014 Lennox Industries Inc.
Dallas, Texas, USA

507516-01
11/2014

Water Pump Kit

OPTIONAL WATER PUMP KIT V8DRNP-04 (12A57) USED WITH LENNOX VRF INDOOR UNITS

⚠ WARNING

As with any mechanical equipment, personal injury can result from contact with sharp metal edges. Be careful when handling equipment.

Shipping & Packing List

Package 1 of 1 contains the following:

- 1 - Assembled drain pump
- 1 - Flexible drain hose
- 3 - Screws

Application

Optional water pump V8DRNP-04 (12A57) is used with Lennox VRF indoor units to provide vertical lift to ensure proper condensate draining. Refer to product specifications bulletin for unit usage.

Installation

- 1 - Install the indoor unit per the installation instructions provided in the unit.
- 2 - Use the provided screws to secure the water pump to the outside of the cabinet. Make sure that screws are tightly fastened. See figures 1 and 2.
- 3 - Use hose clamps to connect the provided flexible hose to the pump inlet and the main condensate drain connection on the indoor unit. See figure 2.

NOTE - All joints must be leak-free as these will all be installed above finished spaces.

- 4 - Connect the water pump power wiring plug and water level sensor plug to the appropriate jacks on the unit control. Refer to the specific unit wiring diagram on the indoor unit. Connect the green ground wire to an earth ground. See figures 1 and 3 and wiring diagram on unit.

- 5 - Install field-provided 1-inch drain pipe at pump outlet. Again, connection to pump must be leak-free to avoid damage to finished spaces in the building. See figure 4.

Take care to apply the following rules when installing the drain line:

- The drain must include a U-shaped backflow preventer as shown in figure 4.
- The drain line must maintain a constant slope of 1/4" per foot to ensure proper drainage. See figure 4.
- The drain line and all connections must be insulated to avoid condensation on the line. See figure 4.
- The drain line must be supported approximately every 3 feet to prevent sagging. See figure 4.
- **There must be a 2-inch space between the end of the condensate drain and the final termination point (ground, open drain, etc.) to ensure that the line will drain freely.**

IMPORTANT !

Drain should have a slope of at least 1/4 inch per foot and should be fabricated using an approved corrosion-resistant pipe.

- 6 - **After system installation is complete, the condensate drain line must be checked for leaks and the condensate pump(s) must be checked to ensure proper operation. This check is part of the commissioning sequence.** Funnel enough water to engage the pump (if used) into the drain pan through a flexible tube.

IMPORTANT !

You must confirm operation of every drain and pump in the system as part of the commissioning procedure.

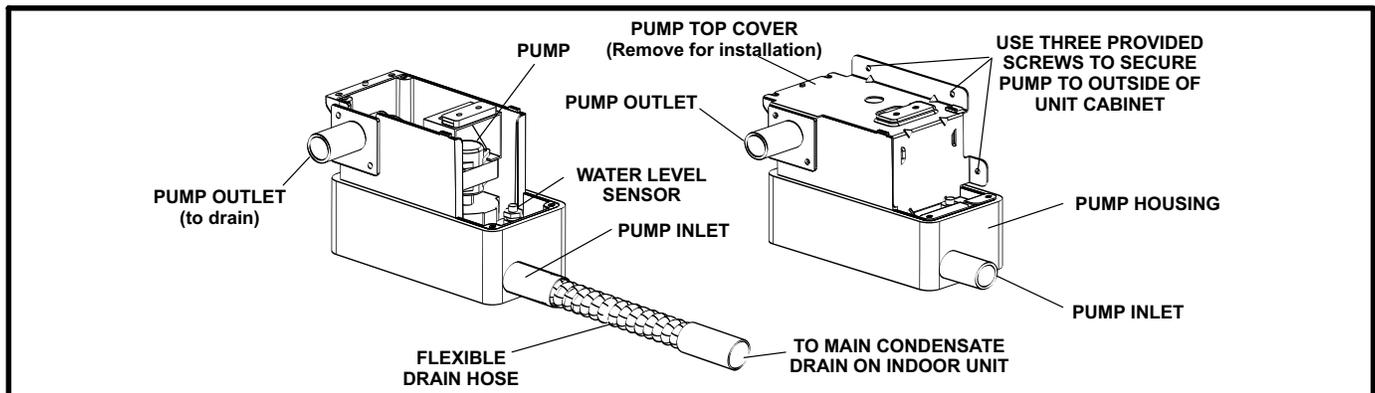


FIGURE 1. Parts Arrangement

