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Diversitech 6-3060L

Diversitech A/C Secondary Plastic Condensate Drain Pan User Manual

Model: 6-3060L

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1. PRODUCT OVERVIEW

The Diversitech A/C Secondary Plastic Condensate Drain Pan (Model 6-3060L) is designed to collect and contain condensate overflow from air conditioning and HVAC units. This secondary pan provides an essential layer of protection against water damage to your property in the event of a primary drain line blockage or failure.

Key features include:

- **Rolled Edges:** Engineered for enhanced durability and structural integrity.
- **Reinforced Corners:** Provides additional strength in critical stress points.
- **Ribbed Bottoms:** Designed to increase the pan's overall strength and stability.
- **3/4" PVC Fittings:** Pre-attached fittings simplify connection to a secondary drain line.
- **Ideal Size:** Measuring 30" x 60" with a 2" depth, suitable for various A/C unit sizes.



Figure 1: Diversitech A/C Secondary Plastic Condensate Drain Pan (Model 6-3060L)

Related Product Information: Diversitech HVAC/R Overview

Your browser does not support the video tag.

Video 1: An overview of Diversitech's HVAC/R product range, providing context for the drain pan's role within a complete system.

2. SAFETY INFORMATION

Please read and understand all safety precautions before handling or installing the drain pan.

- **Personal Protective Equipment:** Wear appropriate personal protective equipment (PPE) such as gloves and safety glasses when handling the pan, especially during installation or maintenance.
- **Lifting:** The pan is large. Use proper lifting techniques or seek assistance to avoid injury.
- **Sharp Edges:** Although designed with rolled edges, exercise caution to prevent cuts or scrapes.
- **Electrical Hazards:** Ensure all power to the HVAC unit is disconnected before working near electrical components or wiring.
- **Water Hazards:** Be aware of potential water spills during installation or maintenance. Ensure proper drainage to prevent slip hazards or electrical shorts.
- **Chemicals:** If using cleaning agents for maintenance, follow manufacturer's instructions and safety warnings for those products.

3. INSTALLATION

Proper installation of the secondary drain pan is crucial for effective condensate management and preventing water damage.

1. Preparation:

- Ensure the area beneath the HVAC unit is clean, dry, and free of debris.
- Verify that the surface where the pan will rest is level and stable to ensure proper drainage.

2. Placement:

- Carefully position the secondary drain pan directly underneath the indoor HVAC unit (evaporator coil) to catch any overflow from the primary drain pan.
- Ensure the pan is centered and extends beyond the footprint of the unit to adequately capture any potential leaks.

3. Drain Line Connection:

- Connect a 3/4" PVC drain line to the pre-attached fittings on the pan. Ensure a tight, leak-free connection.
- Route the secondary drain line to an appropriate discharge location, such as outdoors, a utility sink, or a floor drain, in accordance with local building codes.
- Ensure the secondary drain line has a continuous downward slope to allow for gravity drainage.

4. Optional Safety Switch (Recommended):

- For enhanced protection, consider installing a float switch (e.g., Diversitech Wet Switch) in the secondary drain pan. This switch will shut down the HVAC unit if water accumulates in the secondary pan, preventing overflow and potential damage.
- Follow the float switch manufacturer's installation instructions.

5. Final Check:

- Visually inspect all connections for leaks.
- Confirm the pan is stable and correctly positioned.

4. OPERATION

The Diversitech Secondary Condensate Drain Pan operates passively. Its primary function is to serve as a backup containment system for condensate water in the event that the primary HVAC drain system fails or becomes clogged. When water accumulates in the secondary pan, it will be directed through the connected secondary drain line to prevent overflow.

If a float switch is installed, the HVAC unit will automatically shut down upon water detection in the secondary pan, signaling a problem that requires immediate attention.

5. MAINTENANCE

Regular inspection and maintenance of your secondary condensate drain pan can help ensure its effectiveness and longevity.

- **Periodic Inspection:** At least once a year, or more frequently during peak cooling seasons, inspect the pan for any signs of water accumulation, cracks, or damage.
- **Cleaning:** If water or debris is found in the pan, clean it thoroughly. Use a mild detergent and water, then rinse completely. Ensure the pan is dry before placing it back.
- **Drain Line Check:** Verify that the secondary drain line is clear and free of obstructions. Algae or mold can build up and cause blockages. If necessary, flush the line with a mixture of water and a small amount of bleach (1 part bleach to 10 parts water) or a specialized condensate drain cleaner.
- **Float Switch Test (if installed):** Periodically test the float switch by manually lifting the float or pouring a small amount of water into the pan to ensure it triggers the HVAC unit shutdown.

6. TROUBLESHOOTING

If you encounter issues with your secondary condensate drain pan, consider the following:

Problem	Possible Cause	Solution
Water in Secondary Pan / HVAC Unit Shut Down (if float switch installed)	Primary condensate drain line is clogged or leaking.	Inspect and clear the primary drain line. If the primary drain pan is cracked, it may need replacement. Consult an HVAC professional if unsure.
Secondary Pan Overflowing	Secondary drain line is clogged or improperly sloped.	Clear any blockages in the secondary drain line. Ensure the line has a continuous downward slope for proper gravity drainage.
Pan is Cracked or Damaged	Physical impact or material fatigue.	A damaged pan cannot effectively contain water and should be replaced immediately.

For complex issues or if you are uncomfortable performing these checks, it is always recommended to contact a qualified HVAC technician.

7. SPECIFICATIONS

Attribute	Detail
Brand	Diversitech
Model Number	6-3060L
Product Type	A/C Secondary Condensate Drain Pan
Material	Plastic
Color	Black
Dimensions (L x W x H)	60 inches x 30 inches x 2 inches (approx. 152.4 cm x 76.2 cm x 5.08 cm)
PVC Fittings	3/4 inch (pre-attached)
Country of Manufacture	United States

8. WARRANTY & SUPPORT

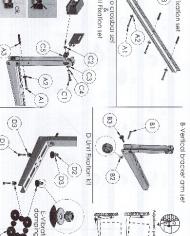
The Diversitech A/C Secondary Plastic Condensate Drain Pan (Model 6-3060L) is manufactured to high-quality standards. For specific warranty information, including terms, conditions, and duration, please refer to the official documentation provided with your purchase or visit the official Diversitech website.

For technical support, product inquiries, or assistance with installation and troubleshooting, please contact Diversitech customer service directly. Contact information can typically be found on the product packaging or the manufacturer's official website.

Manufacturer: DiversiTech

www.diversitech.com

Related Documents - 6-3060L

	<p>DiversiTech Condensate Pump Installation and Operation Manual</p> <p>Comprehensive guide for installing and operating DiversiTech condensate pumps (CP-22, CP-22LP, CP-22T series). Includes safety instructions, specifications, installation steps, operation details, troubleshooting, and warranty information.</p>
	<p>DiversiTech Condensate Pump Installation and Operation Guide</p> <p>This guide provides detailed instructions for installing, operating, and maintaining DiversiTech condensate pumps (CP-22 series). It covers safety precautions, specifications, package contents, step-by-step installation, troubleshooting, and warranty information.</p>
	<p>Hef-T-Bracket Installation Guide - 230-B2L</p> <p>Installation instructions and specifications for the DiversiTech Hef-T-Bracket 230-B2L, a wall bracket for air conditioner condenser units.</p>
	<p>Diversitech HW-600 Wall Bracket Installation Guide for Mini Split Systems</p> <p>Comprehensive installation guide for the Diversitech HW-600 wall bracket, designed for mounting mini split air conditioner outdoor units. Includes parts list, assembly instructions, and important safety information.</p>
	<p>DiversiTech ACB Series Wall Bracket Systems for A/C Condensing Units</p> <p>Technical specifications and installation guidelines for DiversiTech ACB series wall bracket systems, including models ACB-30, ACB-36, ACB-42, and ACB-48, designed for A/C condensing units.</p>
	<p>Diversitech QSMS1201 Mini Split Stand Technical Specifications and Parts List</p> <p>Technical specifications, dimensions, and a comprehensive parts list for the Diversitech QSMS1201 Mini Split Stand, including retracted and expanded views and assembly details.</p>