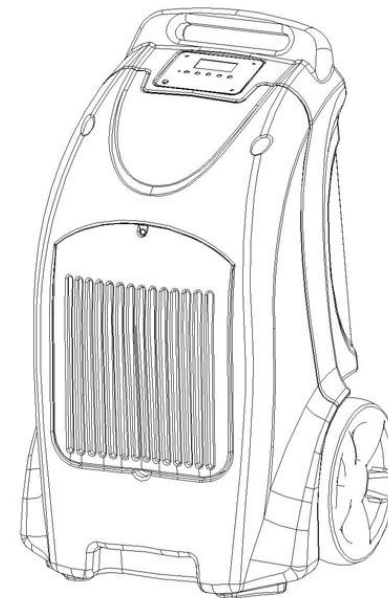


**READ AND STUDY MANUAL BEFORE USE**

## **DriStorm 134/184**

**Mobile Dehumidifier**





## DECLARATION OF CONFORMITY



We, declare under sole responsibility that our model dehumidifiers to which this declaration relates are in conformity with the following standards :

### EMC :

**EN 55014 - 1:2006 , EN 55014-2:1997+A1:2001**

Electromagnetic Compatibility: emission requirement

**EN 61000 - 3 - 2:2006 , EN 61000-3-3:1995+A1:2001+A2:2005**

Electromagnetic Compatibility: emission requirement.

### LVD :

**EN 60335 - 1: 2002+A1:2004+A11:2004+A12:2006+A2:2006**

Safety of household and similar electrical appliance

- General requirements.

**EN 60335 - 2-40: 2003+A11:2004+A12:2005+A1:2006**

Particular requirements for electric heat pumps,  
air conditioners and dehumidifiers.

**Shazaam Manufacturing**

## Design and Development

## Specifications

Model	DriStorm 134	DriStorm 184
<b>Water Removal(86°F / 80% RH)</b>	134Pint / 63L per day	184Pint / 87L per day
<b>Water Removal(68°F / 60% RH)</b>	70Pint / 33L per day	106Pint / 50L per day
<b>Water Removal(50°F / 70% RH)</b>	28Pint / 13L per day	49Pint / 23L per day
<b>Operating Temp. Range</b>	35° - 100° F	35° - 100° F
<b>Refrigerant</b>	R410A	R410A
<b>Power Consumption</b>	850 Watt	1260 Watt
<b>Voltage / Cycle</b>	115V / 60Hz	115V / 60Hz
<b>Amperage</b>	7.5 Amps	11 Amps
<b>Rated Air Flow</b>	600 m <sup>3</sup> /h	700 m <sup>3</sup> /h
<b>Control Panel</b>	Touch-pad	Touch-pad
<b>Defrost Type</b>	Hot-gas bypass	Hot-gas bypass
<b>Air Filter</b>	HAF (High Airflow Filters)	HAF (High Airflow Filters)
<b>Water Pump</b>	Centrifugal	Centrifugal
<b>Housing</b>	Rotomolded	Rotomolded
<b>Large Wheels</b>	Semi-pneumatic	Semi-pneumatic
<b>Drain Hose Length</b>	32 ft / 10m	32 ft / 10m
<b>Cable Length</b>	26 ft / 8m	26 ft / 8m
<b>Height</b>	36": / 915mm	36": / 915mm
<b>Width</b>	21.65" / 550mm	21.65" / 550mm
<b>Depth</b>	17.91" / 455mm	17.91" / 455mm
<b>Use Weight</b>	84 lbs. / 38kg	95 lbs. / 43kg

Specifications are subject to change without notice. Some values are approximate.



- **Inspect filter.** Look for accumulated dust and dirt that would restrict airflow through the filter into the unit. If any is visible, vacuum out the debris. **Do not wash the filter**, as it will reduce the effectiveness of the electrostatic material.

**Important:** Replace the filter whenever

- It has been vacuumed clean 3 times.
- It has been used on a mold remediation job.

### Periodically Inspection (as needed)

Make sure the unit is unplugged. Remove housing, in order to locate the coil, pump and drain hose.

- Check coil and clean visible dirty
  - Vacuum both sides of the coils until clean.
- Check pump
  - Inspect and clean the pump system regularly to maintain effective operation. Remove one screw to open up the top cover, and then open up the second cover. Clean the float shaft to make sure the floating switch can operate smoothly.
- Check drain hose
  - Look for obstructions. Disconnect and clear any debris present.

### Warranty

Shazaam warrants to the original purchaser that if, within a period of 12

months from the date of purchase, this equipment is found to be defective either in original materials or workmanship, other than that of fair wear and tear, the faulty part will be replaced free of charge upon presentation of the appropriate evidence, providing the unit is returned to the original supplier. Shipping expenses are not covered under the warranty.

Shazaam Dehumidifiers are used by professionals for the drying out of wet materials such as carpets, carpet cushions, floors, walls, building contents and more. They reduce the water in enclosed structural environments like buildings or parts of a building by removing water vapor from the air.

### Safety Instructions

- Do not allow children to play with or around the operating unit.
- Keep wiring and motor dry. Never operate the unit in standing water, rain and snow, as this may create a risk of injury from electric shock.
- Do not use residential three way multiple plug adapter.
- Do not operate the unit with a damaged power cable.
- Always operate the unit with a grounded plug and with a grounded supply.
- Extension cables must be grounded and be able to deliver the appropriate voltage to the unit.
- Do not drop or throw the unit.
- Always operate the unit on a stable, level surface.
- Do not clog or block air intakes.
- Always to keep the filter clean.
- Do not attempt to disassemble or repair the unit if you do so.

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### How to Use Dehumidifiers

## Setting Up a Drying Area

### Managing the electrical consumption

The dehumidifier should be plugged in to grounded electrical outlet. In large disaster environments, you will find the use of optional 230v to 115 volt converters helpful. This allows you to use the electricity from the electric stove or oven which in turn will leave the electricity from the wall available for your air movers. These converters will minimize tripping of electrical breakers when lots of air movers and dehumidifiers are present.

### Create a closed drying chamber

The dehumidifier should be operated in an enclosed space, as this creates a drying chamber. Close all doors, windows or areas that open to the outside to maximize the unit's water removal efficiency. Inside the drying chamber, air should circulate freely. Open interior doors and turn on Air Movers to increase the circulation.

### Position the dehumidifier

Place the dehumidifiers in the center of a room and keep it away from anything that could prevent airflow into and out of the unit.

### Managing the rising temperature

The dehumidifier warms the air as it removes its moisture. Room temperatures of about 68°F to 84°F are usually in good condition for drying. In summer months while drying flooded homes, set the A/C to 68°F with the A/C blower on constant (ON). This will circulate the air in the entire home to make sure the dry air is distributed evenly. In the winter, please set the heater to at least 65°F with the blower set to the "ON" position. When storing or transporting the unit in temperatures below 60°F, place the dehumidifier in the room for about an hour (when possible) before turning it on. This will allow the unit to acclimate to the warmer temperature and minimize the coils from freezing up and having to go through it's defrost cycle.

**CAUTION!** Never operate the DriStorm dehumidifier at temperatures above 100°F. It could damage the machine and building contents.

### Error Messages

Message	Icon	Description
Er01	"PUMP ON" flashing	Problem with pump or pump tube is kinked.
Er02	N/A	Check coil temperature sensor at the side of coil and its sensor cable.
Er03	N/A	Check ambient temperature sensor in the front of the coil and its sensor cable.
Note:.		
<ul style="list-style-type: none"><li>When Er01 or Er02 error message comes up, the dehumidification will stop automatically. The machine will be back to STANDBY MODE and it won't be automatically turn off unless you do so. Contact your local distributor for service.</li><li>When Er03 error message comes up, the dehumidification is still on. Contact your local distributor for service.</li></ul>		

### Indication Light:

Status	Colors	Description
Off	N/A	Machine has been turned off.
On	Red	Machine has been turned on.
On	Green	Machine start dehumidification.



### Maintenance

**WARNING!** Always unplug any dehumidifier before performing maintenance procedures.

Before Each Use

- *Inspect the electrical cord for damage.*
- *Inspect pump tube.* Make sure the pump tube is completely unwrapped and not kinked. Failure to do so can cause water to back up in the pump and leak out. The control panel may signal this problem by displaying “ER01

Touch Pad Keys (Cont.):

	<p><b>PURGE.</b> Press the PURGE key to empty water from the pump reservoir. During the normal operation, the pump purges automatically whenever the reservoir is full. The display will read PURGE ON icon.</p> <p><u>TO PURGE THE PUMP MANUALLY BEFORE TRANSPORTATION:</u></p> <ul style="list-style-type: none"><li>● Stop the dehumidification using the START/STOP key, and let the unit sit for about 10mins. This allows water to drip from the coils.</li><li>● Press PURGE to remove residual water.</li></ul>
	<p><b>DISPLAY.</b> Press the DISPLAY key to display “TIMER” CLOCK, “TOTAL” CLOCK and “JOB” CLOCK while the machine has been turned on. Press the DISPLAY key once can only display ONE kind of clock time.</p> <ul style="list-style-type: none"><li>● In STANDBY MODE, the default display is “TIMER” CLOCK time. By press the DISPLAY key once to display the “TOTAL” CLOCK time. Press it again to display “JOB” CLOCK time, which shows the LAST JOB run time.</li><li>● While the dehumidification stops as the “TIMER” set, the default CLOCK display is “TIMER” CLOCK time, which shows remaining running time of the CURRENT JOB. Press the DISPLAY key once to display the “TOTAL” CLOCK time. Press it again to display “JOB” CLOCK time, which counts the CURRENT JOB run time.</li><li>● While the dehumidification runs continuously without “TIMER” setting, the default CLOCK display is “JOB” CLOCK, which shows the CURRENT JOB running time. Press the DISPLAY key once to</li></ul>

	<p>display “TIMER” CLOCK time, which reads “00:00”. Press it again to display the “TOTAL” CLOCK time.</p> <ul style="list-style-type: none"><li>● If the DISPLAY key has not been pressed within 15 seconds, the CLOCK time will back to its default display.</li><li>● When error messages are on, “TIMER”, “TOTAL” and “JOB” CLOCK displays disappear. Press DISPLAY key once to get the clock displays back.</li></ul>
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Operating Your Dehumidifier

Place the dehumidifiers in upright position

If the dehumidifier has been laid down in a horizontal position for any time over a few minutes, you must set it upright (vertical) for 30 minutes before starting.

Connect the drainage system

You can find the hose wrapped around the back of the machine. Unwrap the entire hose and run it into a sink, toilet, drain, or bucket. Remove any kinks in the hose. Use bleach in the condensate pump once a year to keep clean.

Plug in the electrical cord

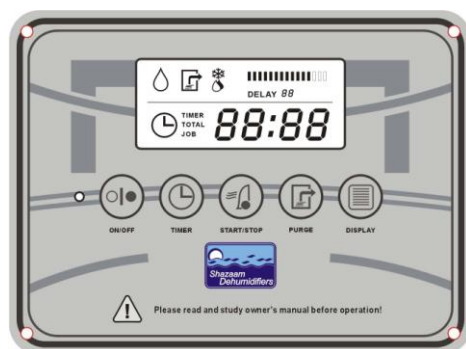
Locate the electrical cord and unwrap around the air outlet located on the back of the unit. Plug it into a standard outlet with the correct voltage and amperage for the unit. If you use the optional 230v to 115 volt converters that allow you to plug in multiple units at the same time into your customers electric clothes dryer, stove or oven, always check the voltage with our optional volt meters.

Before Transporting Your Dehumidifier

Before moving the unit, make sure the pump is empty of water. To do this, let the unit stop dehumidification for 10mins. Push PURGE key to clear waters.






See “How to Use the Touch Pad Control Panel” for more details.



## How to Use the Touch Pad Control Panel






There are one LCD Display, one Indication Light (Red/Green) and five keys in the Dehumidifier touch pad control panel.

### LCD Display:

	<b>DEHUMIDIFIER ON.</b>
	<b>PURGE ON.</b> The pump is on and it is pumping water out of the container.
	<b>DEFROST ON.</b> Frost forming on the coils, defrost cycle start.
 DELAY 88	<b>DELAY BAR AND COUND DOWN.</b>
 <b>00:00</b>	<b>“TIMER” CLOCK.</b> While displaying the “TIMER” CLOCK time, “TIMER” CLOCK icon is on. The four digits show how many <i>HOURS and MINUTES</i> the “TIMER” is.

 <b>0</b>	<b>“TOTAL” CLOCK.</b> While displaying the “TOTAL” CLOCK time, “TOTAL” CLOCK icon is on. The digits show how many <i>DAYS</i> the machine has been used.
 <b>00:00</b>	<b>“JOB” CLOCK.</b> While displaying the “JOB” CLOCK time, “JOB” CLOCK icon is on. The four digits show how many <i>HOURS and MINUTES</i> either the <i>CURRENT JOB</i> is running or the <i>LAST JOB</i> has been run.

### Touch Pad Keys:

	<b>ON/OFF.</b> Press the ON/OFF key to turn the machine on or off. <ul style="list-style-type: none"> <li>When turning the machine on, the machine is under <b>STANDBY MODE</b>. The red indication light and LCD light up. LCD displays “TIMER” CLOCK icon. Four time digits flash, which indicates the operator either to set the “TIMER” by pressing the “TIMER” KEY or to start the machine directly by pressing the “START/STOP” KEY.</li> <li>Press the ON/OFF key again to turn the machine off. The red indication light and LCD light off. <b>Note:</b> In <b>STANDBY MODE</b>, the machine can also be automatically turned off if there are no other keys pressed within 15mins.</li> </ul>
	<b>TIMER.</b> By using the “TIMER” key, the dehumidification time can be set as you require. <ul style="list-style-type: none"> <li>The “TIMER” time setting range is from 00:00 to 23:50. It increases by 10mins for every key press</li> <li>Press the “TIMER” key without releasing; the time can be adjusted continually.</li> </ul>
	<b>START/STOP.</b> Press the START/STOP key to start or stop the dehumidification. <ul style="list-style-type: none"> <li>When dehumidification starts, the machine performs a compressor delay. The display reads a numeral count down from a maximum of 90 seconds to 0. (30 seconds count down for the first startup). The DELAY BAR flashes during this count down period.</li> <li>While the dehumidification is on, the display reads</li> </ul>

	<p>“DEHUMIDIFIER ON” icon.</p> <ul style="list-style-type: none"><li>● The dehumidification runs continuously if there is no “TIMER” has been set before it starts.</li><li>● Otherwise, the dehumidification stops as the “TIMER” set.</li><li>● Press the START/STOP key again to stop the dehumidification.</li></ul> <p>The “DEHUMIDIFICATION ON” icon comes off while the dehumidification stops.</p>
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