

Owner's Manual Dri-Eaz DrizAir® Dehumidifiers 115-volt model: 1200

#### WARNING

READ AND SAVE THESE INSTRUCTIONS

FIRE AND ELECTRIC SHOCK HAZARD

Unit must be electrically grounded.

- Insert 3-prong plug on power cord directly into matching grounded receptacle.
- Do not use adaptor. Keep wiring and motor dry.
- Do not operate in standing water.
- Do not operate in rain or snow.
- If electrical components become wet, allow them to dry before using.

Read and understand manual before use.

Use and Operation

#### INTRODUCTION

DrizAir dehumidifiers reduce humidity in enclosed structural environments by removing water vapor from the air. With proper use, DrizAir dehumidifiers can help dry wet materials like carpet, carpet pad, floors, walls, building contents and more. Using DrizAir dehumidifiers may also prevent secondary damage caused by high humidity. For best results, we recommend you use DrizAir dehumidifiers with TurboDryer airmovers. The airmovers speed evaporation by lifting moisture into the air.

#### HOW THE DRIZAIR DEHUMIDIFIER WORKS

DrizAir refrigerant dehumidifiers operate by pulling moist air in across a very cold evaporator core. The moisture condenses (freezes) on the coil. At intervals, the machine will go into defrost mode, warming the frost back to water. The water collects in a tray and leaves the unit through a drain hose or pump.

**IMPORTANT:** Before moving the unit, make sure there's no water in the pump. See how to use the PURGE function under "How to use the touchpad controller".

#### SETTING UP A DRYING AREA

Use in an enclosed space

You should operate DrizAir dehumidifiers in an enclosed area, 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. Also, keep traffic through the drying chamber to a minimum.

How to position the DrizAir dehumidifier

- Place your DrizAir dehumidifier in the middle of a room away from walls and contents
- Keep it away from anything that could prevent airflow into and out of the unit.

Use a 115V, 3-prong grounded connection. Do not use with an adapter.

#### Managing temperature rise

DrizAir dehumidifiers warm the air as they remove moisture. Optimal drying temperatures range from 68–85°F (20–29°C).

The most accurate way to monitor temperature is with a thermo-hygrometer; however, you can use an indoor/outdoor thermometer to gauge temperature just make sure it's located in the center of the room away from the airflow of the dehumidifier.

If the temperature rises to unsafe levels (over 90°F/32°C) you can use the structure's HVAC (air conditioning) system to bring the temperature down. Just set it to 80°F (27°C), and continue to operate the dehumidifier. If there's no HVAC system, call a Dri-Eaz at 888-867-3235, and a Technical Specialist help you find an appropriate solution.

## OPERATING YOUR DRIZAIR DEHUMIDIFIER

### Setup

Place dehumidifier upright. If you transport a DrizAir dehumidifier in a horizontal position, set it upright (vertical) for at least 30 minutes before you turn it on. This is necessary because when the machine is horizontal, the oil from the compressor flows into the refrigerant coils reducing the ability of the dehumidifier to function.

### Locate drainage system

The Evolution LGR pump connects to a plastic drainage hose. On the DrizAir 1200 and 2000, you'll find the hose wrapped around the air outlet located on the back of the unit. On the 2400, it's just below the outlet. Unwrap the entire hose (see caution below) and place the unattached end in a sink, drain, bucket even outside; anywhere that water can drain out safely. If you use a bucket or contained receptacle for water collection, check it regularly. Plug in electrical cord. Locate the electrical cord either on the top or back of the unit. The DrizAir dehumidifier runs on a 115-volt (15 amp) grounded outlet, which is standard in most homes. For the DrizAir 1200 press the "on" button on the touchpad.

If the unit experiences a loss of power, which can result from a power interruption or overheating, we recommend you let the unit sit off for five minutes before restarting. Otherwise it might shut off again.

### CAUTION

Do not operate DrizAir dehumidifiers at temperatures above 90°F (32°C). This can cause damage to both the machine and the structure's contents. Over-dried materials (especially wood products) may crack, shrivel, or discolor. Use of a dehumidifier in high-heat conditions will reduce its efficiency and the life of the machine.

### READ AND SAVE THESE INSTRUCTIONS

### CAUTION

Dust can cause unit to overheat and shut down. Do not operate unit when dust or airborne particles are present, such as during sanding or spray-painting.

Inspect and clean coils frequently

Read and understand manual

before use.

DrizAir 1200

### CAUTION

Uncoil and straighten the entire drain hose. Do not leave any of portion of the hose coiled on the unit. Also check for kinks, or obstructions that would restrict the flow of water. Failure to do so DrizAir may cause a water backup in the pump resulting in leakage.

## HOW TO USE THE TOUCHPAD CONTROL KEYS

The Touchpad on DrizAir dehumidifiers has one display and four keys. The normal display messages are:

**ON-OFF.** Press the ON-OFF key to turn the unit on or off. When turning the machine on, usually the display reads CMPRSR DELAY and performs a numeral count down from a maximum of 60 seconds to 0. The compressor delay gives the machine time to warm up (when needed). If you don't see a compressor delay countdown, the machine is ready to go. Once the unit completes the CMPRSR DELAY, the display reads DEHUMIDIFIER ON, and continues to cycle between TOTAL HOURS, JOB HOURS and DEHUMIDIFIER ON.

Press the ON-OFF key again to turn the unit off. The display will read DEHUMIDIFIER OFF.

**DISPLAY.** Press the DISPLAY key to stop the display at DEHUMIDIFER ON or OFF, TOTAL HOURS, or JOB HOURS as it cycles. Press DISPLAY again to re-start the display cycle.

How to change the language display

Use the DISPLAY key to change the display language.

Follow these steps:

1. Start with the unit unplugged.
2. While holding down the DISPLAY key, plug the unit in. The display reads ENGLISH.
3. To change to FRANCAIS, DEUTSCH, or ESPANOL, press the DISPLAY key or the CLEAR key.
4. When the desired language is shown in the display, unplug the unit, and the language is set.

CAUTION

While in the change-language mode, pressing other keys can change the programming of the machine. Do NOT press other keys you're not instructed to press.

CLEAR. Press the CLEAR key to reset the JOB HOURS:

1. As the display cycles between DEHUMIDIFIER ON, JOB HOURS, OR TOTAL HOURS, press the DISPLAY key when JOB HOURS appears on the screen. That will make the display read JOB HOURS steadily.
2. Then press the CLEAR key to re-set the numerals to 00000.
3. Press DISPLAY again to re-start the display cycle.

NOTE: the TOTAL HOURS reading cannot be re-set.

When you first plug in the unit, the touchpad display will cycle continuously through three messages: DEHUMIDIFIER OFF, TOTAL HOURS, and JOB HOURS.

Other displays

Defrost cycle

During normal operation, the temperature sensor detects frost forming on the coils, causing a defrost cycle to start. The display will read DEFROST ON. Dehumidification stops during the defrost cycle. When the unit completes the cycle, the display returns to DEHUMIDIFIER ON.

Error messages

When the display menu shows the error message "GET SERVICE," followed by "ER01" or another numeral, follow these steps:

1. Unplug the unit and then plug it back in. This may re-set the electronics.
2. If that does not fix the problem, try the solution (if one is listed) in the "Error Message Table".
3. If that does not fix the problem, contact CROWN RENTAL.

MAINTENANCE INTERVALS

Before Each Use

- Inspect the electrical cord for damage. Look for fraying, cuts, etc. Do not use the unit if you find any. Call CROWN RENTAL.
- 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

Monthly

Remove housing, in order to locate the coils, catch basin, float shaft, and drain hose.

ER 1,2,3,5,6

Problem with electronic control panel. Contact CROWN RENTAL

ER 4 Check the temperature or sensor cable, contact CROWN RENTAL for instructions

ER 8 Check the touchpad key. Press and release each key several times.

ER 9 Check for obstructions or kinks in the drain hose.

#### WARNING

##### ELECTRIC SHOCK HAZARD

Unplug any DrizAir dehumidifier before performing maintenance.

Never use a water hose or pressure washer to clean coils; water could enter the electrical compartment causing a shock hazard. Follow cleaning instructions in manual.

PURGE. Press the PURGE key to empty water from the pump reservoir. During normal operation, the pump purges automatically every six minutes, or whenever the reservoir is full. The display will read PUMP PURGING with a numeral countdown.

To purge the pump manually:

- 1) Turn the power off using the OFF key, and let the unit sit plugged in for about 10 minutes. This allows water to drip from the coils.
- 2) Press PURGE to remove residual water.

- Check coils, and clean when visibly dirty. Dirty coils can cause the unit to overheat.

1. Unplug unit
2. Remove housing, locate coils and allow coils to dry if wet.
3. Vacuum both sides of the coils until clean, being careful not to let the nozzle touch the fins; as that may cause damage by bending them.

- Check catch basin tray, and clean when dirt and debris are present.

1. Wipe clean with a rag.

- Check drain hose.

1. Look for obstructions. Disconnect and clear any debris present.
2. Reattach gravity drain hose.

MODEL DRIZAIR 1200, F203 CONTROLS TOUCHPAD

TYPE STANDARD REFRIGERANT HOUR METER YES

HEIGHT 32" (83 CM) WATER PUMP-OUT CENTRIFUGAL

WIDTH 20" (50 CM) DRAIN HOSE LENGTH 40 FT (12.2 M)

DEPTH 19.5" (50 CM) AIR FILTER 3M™ HIGH AIRFLOW\*

USE WEIGHT 80 LB (36 KG) WHEELS SEMI-PNEUMATIC

WATER REMOVAL MAX 123 PT/DAY (58 L) HANDLE TELESCOPING

WATER REMOVAL AHAM 64 PT/DAY (30 L) HOUSING ROTOMOLDED

OPERATING RANGE 33° - 100° F (1° - 38° C) POWER 115V 6.4 AMPS

COMPRESSOR TYPE 6,670 BTU ROTARY CORD LENGTH 25 FT (7.6 M)

DEFROST TYPE HOT-GAS BYPASS SAFETY MARKS UL, C-UL

PROCESS AIR 227 CFM (386 CMH)

#### TROUBLESHOOTING

For any problems not listed below, CALL CROWN RENTAL

Unit does not operate

1. No power to machine - Plug in the unit; check power at outlet.
2. Switch not turned on - Turn on switch.
3. Compressor will not start Unit needs 5 minutes before restart

Overload preventing start up - Switch off unit, wait 5 minutes before starting. Reduce room temperature below 90°F (32°C).

3. Blower wheel not turning Obstructed blower - Loosen blower wheel set screw Remove obstruction. Tighten Screw.

4. Unit operating, but room not dry - Not enough time to dry - Poor air movement in room - Excessive air infiltration - Allow more time for drying. - Increase airmovement with TurboDryers. - Reduce airflow into the area being dried.
5. Unit continuously in defrost - Room temperature too low Increase room temperature.
6. Unit collects little water Room air is dry - Room temperature too low Airflow through unit restricted - Check humidity with hygrometer. - Increase the room temperature. - Check filter and coils, clean if debris.
7. Pump does not function - Stuck float valve Clean float valve shaft.