



# Owner's Manual – Dri-Eaz<sup>®</sup> EnviroBoss<sup>™</sup> 6000

DRI-EAZ PRODUCTS, INC.

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Fax: (360) 757-7950 Phone US: (360) 757-7776 www.dri-eaz.com

*The EnviroBoss 6000 (EB6000) is a trailer-mountable system, for effective drying in tropical, cold, cool/dry weather as well as for heating, cooling and air exchange.*

Read And Save These Instructions

## **WARNING**



Read and understand manual before operating.

### **ELECTRIC SHOCK HAZARD**

- Unit requires grounded 230-volt power supply.
- Never operate in standing water.

### **ROTATING FAN, HOT SURFACE HAZARDS**



- Keep covers closed while operating.
- Turn off power and wait two minutes before opening covers.

Follow all safety instructions and service procedures.

## **SAFETY INSTRUCTIONS**

**WARNING! Unplug unit before opening cover for cleaning or servicing.**

- Keep cover closed while operating unit. Wait two minutes after shutting off power before opening cover to allow impeller to stop.
- Never operate in standing water. Keep electrical components dry. If they become wet, allow to dry before operating unit.
- Keep bystanders and children away. If unit is left unattended, be sure to lock covers securely.

- Rough treatment can damage the unit, and may create a hazardous condition or void the warranty.
- Secure properly to trailer when transporting to prevent sliding and possible injury to vehicle occupants.
- Do not attempt to disassemble or repair the unit. For Authorized Service Centers, go to [www.dri-eaz.com/HOWTOBUY](http://www.dri-eaz.com/HOWTOBUY) or call Dri-Eaz Service at 800-932-3030.

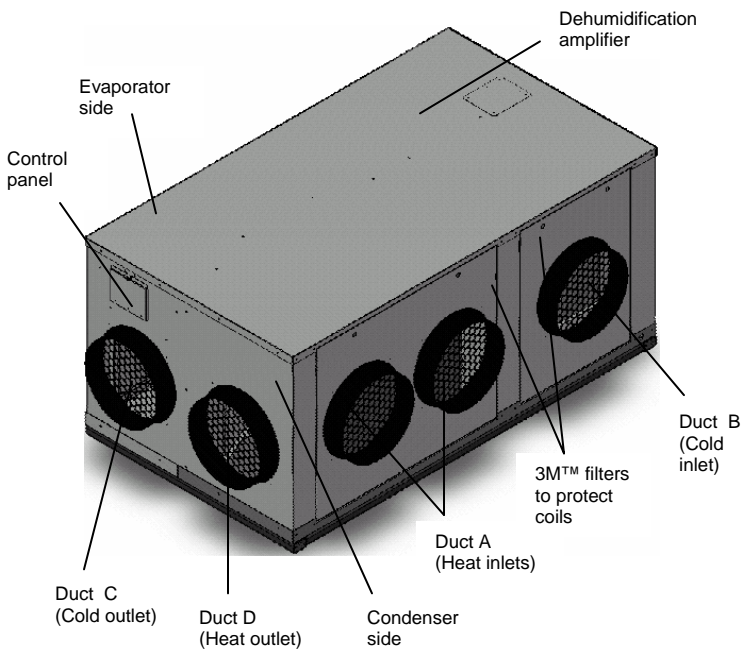
## **INTRODUCTION**

The EB6000 is a versatile environmental control unit that effectively handles tropical, cold and cool/dry weather. It can even be used for heating, cooling and air exchange. The split-stream dehumidification offers versatility for commercial or large residential jobs.

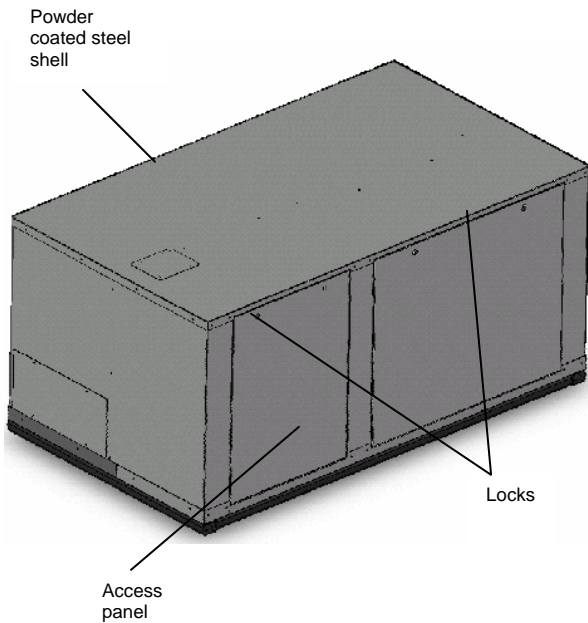
### **FEATURES:**

- Maximum versatility for drying, cooling and heating for all climates.
- Provides 5-ton cooling
- Maximum drying with 720 pints/day water removal at AHAM (80°F/60%Rh); 1400 pints/day at 90°F/90%Rh; low grain dehumidification of 100 pints/day at 80°F/20%Rh
- Maximum airflow up to 5,400 CFM (using both air streams)
- Dehumidification amplifier for precooling air entering evaporator coil.
- Refrigerant condenser for heating
- Refrigerant evaporator for dehumidification and cooling
- Separate air streams for increased versatility
- Uniform 18" ducting size for all outlets
- Digital control panel operation
- Durable powder-coated steel housing
- Trailer-ready design

## PARTS IDENTIFICATION (Shown, below)



Front/Side View



Back/Side View

## OPERATING INSTRUCTIONS

### GETTING STARTED

Placement:

**WARNING!** Keep back cover closed and locked while operating. Moving fan inside could cause injury.

1. Place the unit on a level surface.
2. Attach duct rings. Duct rings and the necessary hardware to install them are both stored inside unit prior to initial installation. Mount duct rings using supplied hardware prior to first use.
3. Make sure the system switch is set to Off then plug power cord into a standard 230v power supply (or generator).
4. Set touchpad temperature controls needed to function .
5. Check for proper operation before leaving the unit unattended.

### Operating Range

Recommended operating range is between 33° – 100° F. The EB6000 will not perform effectively when operating with ducted air temperatures outside this range.

### TOUCH CONTROL OPERATION PANEL

Touch Controls



### HOW TO USE THE TOUCHPAD CONTROLS:

The Touchpad on the EB6000 has one display and four buttons. The following paragraphs will explain how to use these keys to perform various functions. Be sure to follow instructions closely.

The four buttons are:  
 Power On-Off  
 Dehumidification Amplifier On/Off  
 Display  
 Clear

**Power On-Off** Press the Power ON-OFF key to turn the unit on or off. Immediately after turning the machine on, the display usually reads CMPRSR DELAY and performs a numerical countdown 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.

### Dehumidification Amplifier On/Off

When the unit is turned on, the display reads Dehumidifier On; this function comes ON by default. Press this button once to turn the Dehumidification Amplifier OFF for cooling (the display will read A/C On). Pressing the DEHUMIDIFICATION AMPLIFIER ON/OFF button engages or disengages the low grain pre-cooling loop. The low grain pre-cooling loop is used for increasing dehumidifier efficiency.

### Display

Press the DISPLAY key to stop the display at DEHUMIDIFIER 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.

**Note:** While in the change-language mode, pressing other keys can change the programming of the machine. Do NOT press keys other than the DISPLAY or CLEAR.

### 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.

### 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 will return to DEHUMIDIFIER ON.

#### 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, contact Dri-Eaz Service at 800-932-3030.

#### Other Messages

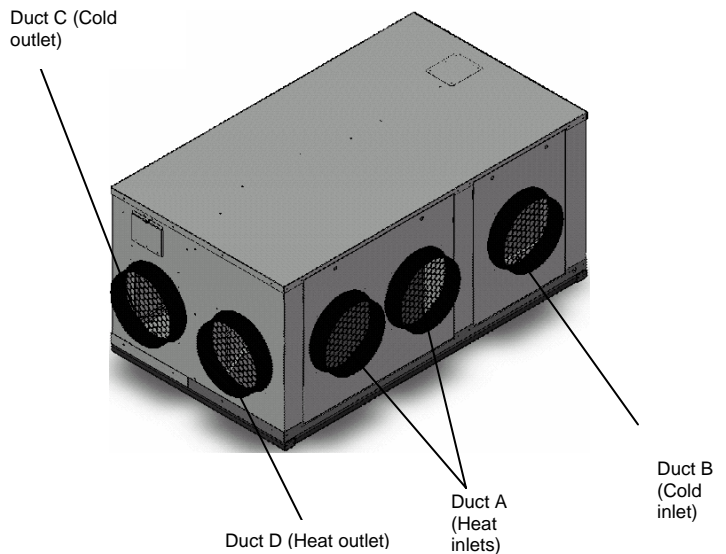
If ER 1, 2, 3, 5, 6 appears there is a problem with the electronic control panel. Contact Dri-Eaz Service at 800-932-3030

If ER 4 appears unplug the unit and check the temperature or sensor cable. Contact Service for instructions 800-932-3030.

If ER 8 appears check the touchpad key controls. Press and release each key several times to reset.

### GENERAL DUCTING INSTRUCTIONS:

DUCT A: HEAT INLETS  
DUCT B: COLD INLET  
DUCT C: COLD OUTLET  
DUCT D: HEAT OUTLET



- DUCTING: The unit is ductable for directing conditioned air or heat into specific spaces.
- DUCTING SIZE: Use 18-inch diameter ducting
- INLET DUCTING: When using duct on the inlet side, use negative air rated (reinforced) ducting so it doesn't collapse on itself while in use.
- OUTLET DUCTING: Use positive air ducting (layflat ducting may be used, although reinforced ducting provides better insulation of airflow temperature).

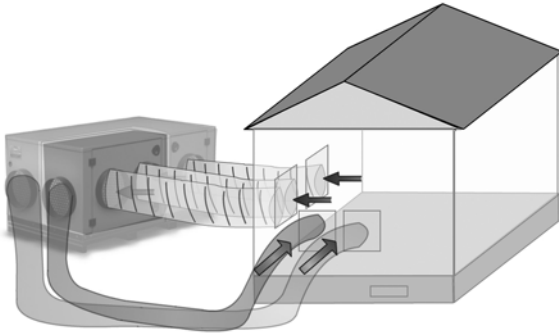
## APPLICATIONS

### DEHUMIDIFICATION:

(Shown below)

#### In Structural Drying

- Balanced air pressure for the optimum setup in general drying projects.
- Best balance between heating and dehumidifying the same space.



**Dehumidification Set-up**

### DEHUMIDIFICATION SPLIT STREAM

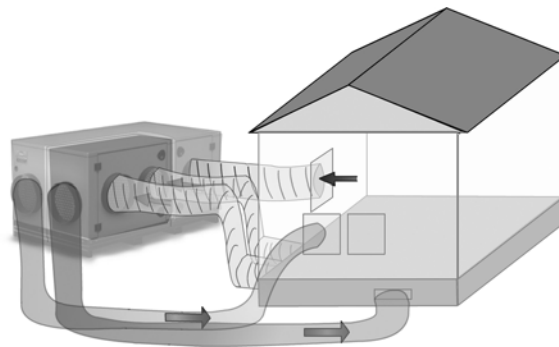
(Shown below)

#### Structural Drying

- Heat can be applied immediately to the wet materials while providing separate humidity control.
- Results in a cooler, more comfortable humidity controlled environment.

#### Restoration

- Use to control humidity where dust control and particulates are an issue.



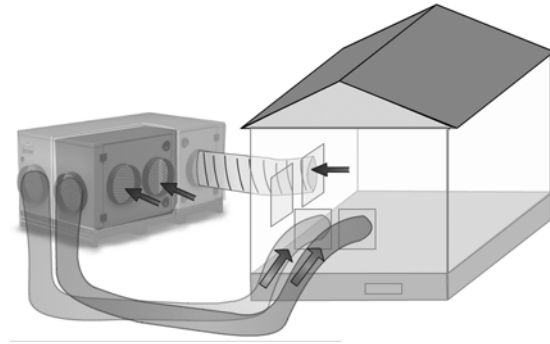
**Dehumidification Split-Stream Set-up**

## DEHUMIDIFICATION AND COOLING

(Shown below)

#### Structural Drying in Tropical Climates

- Optimized for drying in warm, humid climates.
- This installation will provide large amounts of dehumidification without heating .
- Will result in a neutral air pressure.



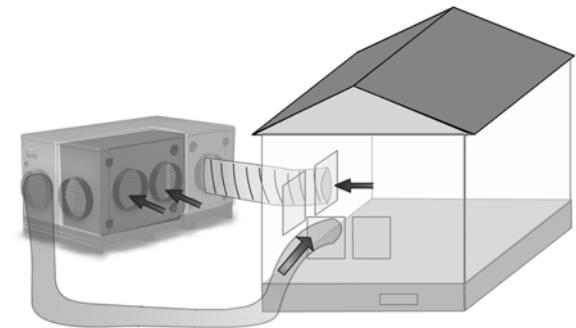
**Dehumidification and Cooling in Tropical Climates Set-up**

### HEATING AND VENTILATION - SPOT HEATING

(Shown below)

#### Restoration/Commercial

- Provides heating when outdoor air temperatures are cooler than your target indoor temperature.
- Heat absorbed and generated by the EB6000 is directed into the structure.



**Heating and Ventilation - Spot Heating Set-up**

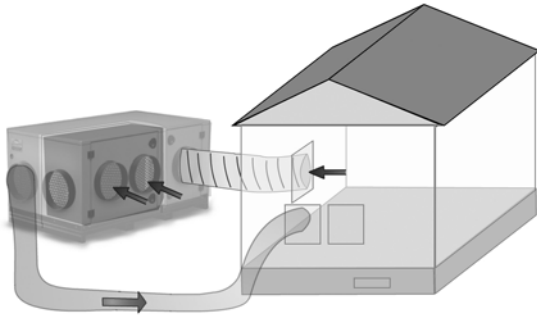
**COOLING**  
(Shown below)

**Commercial**

- Ideal for controlling temperature in a large environment with 5 tons of cooling capacity.
- Neutral air pressure increases unit's ability to control humidity and temperature over a large area.

**Rental**

- Ideal for temporary temperature control for large rooms, temporary structures (e.g. tents), etc.



**Cooling Set-up**

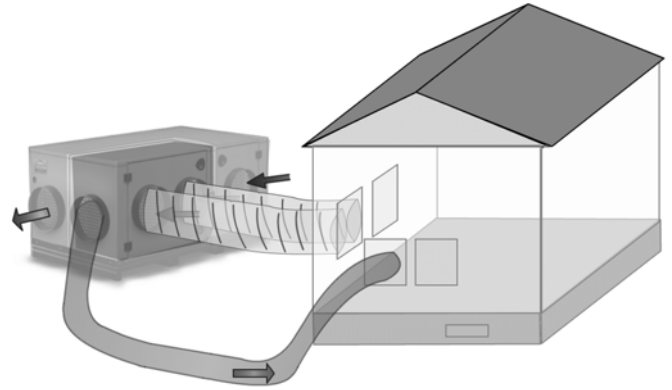
**HEATING AND VENTILATING**  
(Shown below)

**Commercial**

- Ideal configuration for heating small to medium sized areas.
- Neutral air pressure allows the system to heat larger areas than if area was pressurized.

**Rental**

- Good for heating small to medium sized spaces when temporary heat is needed.



**Heating and Ventilating Set-up**

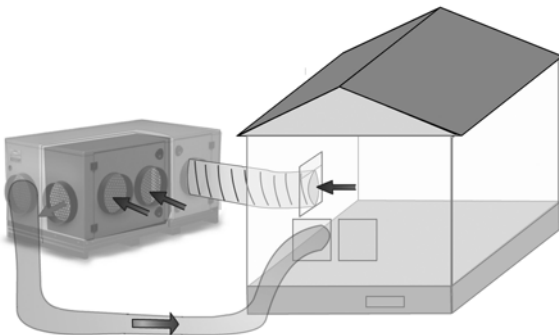
**COOLING AND VENTILATING - SPOT COOLING**  
(shown below)

**Commercial**

- Provides cooling to an immediate area within a structure or space.
- Results in positive air pressurization, which is ideal for a space that is intended to be kept clean and unaffected by surrounding work activities (dust, etc.).

**Rental**

- Good for temporary temperature control for large rooms, temporary structures (e.g. tents), etc.



**Cooling and Ventilating - Spot Cooling Set-up**

**CONFIGURATIONS**

(For diagrams look to the right of the control panel on the unit)

**DEHUMIDIFICATION & HEATING**

(Cold Weather)

A cold weather (closed system) is optimal for temperatures around 40°F (4°C) and less.

Air enters the unit from the structure from both the condenser intakes and flows into the dehumidification amplifier (split stream of pre-cooling and heating). Both processed air outlets are ducted back into the structure for 5400 CFM.

*NOTICE:* Operating unit outside operating range (33°-100°F / 1°-38°C) in a closed system could deplete the system of refrigerant, and could cause liquid refrigerant to enter the compressor leading to premature compressor wear and possible failure.

**DEHUMIDIFICATION & VENTILATION**

(Cool/Dry Weather)

Cool/dry configuration is optimal for temperatures around 40-60°F (4-16°C) where the outside lower ambient air is dry (low humidity). Dry outside air enters through the condenser intakes and is ducted into the structure. Air from the structure enters into the dehumidification amplifier (split stream of pre-cooling and heating) and is also ducted into the structure.

## DEHUMIDIFICATION & COOLING (Tropical Weather )

Warm humid air from the structure enters the dehumidification amplifier and is processed and ducted back into the structure. Outside air is ducted into the condenser and exits back outside (operation of the condenser is necessary to support the refrigerant by-pass system). Optimal for temperatures above 60°F (16°C).

## COOLING

This is the cooling system for high temperatures. Air from the structure is ducted into the evaporator coil (the dehumidification amplifier is turned off so no heat re-enters the process). Outside ambient air enters the unit and exits back outside after going through the condenser. The processed/cooled air is ducted back into the structure.

## MAINTENANCE

### TRANSPORTING AND STORING

If mounted on a trailer, it must be installed on a trailer with suspension rated for a minimum of the total weight of the unit and any additional components. Use of a trailer without such rated suspension could void the warranty. **Note:** Make sure the cover is locked when leaving unit unattended.

**Note:** Make sure the drain pan is completely empty before storing the unit in temperatures below 33°F (1°C).

### REGULAR MAINTENANCE

**WARNING!** Turn off and unplug unit before opening to clean or service. Wait two minutes before opening the rear access cover. To open cover, unlatch latches, unlock, twist ¼ turn and lift cover up and out.

### Weekly

#### Inspect Filters

There are three filters in the EB6000, two of the same size on the condenser side and a different one on the evaporator side. The filters are mounted in front of each refrigeration coil. Inspect for damage or excessive dirt. Use a clean 3M™ HAF Filter (see below). Replace condenser filter every four months (if excessive dirt is present) or earlier if necessary. Replace evaporator filter before each job. For Parts and Service call your local distributor, or the Dri-Eaz Service Department at 800-932-3030 or (360) 757-7776.

#### Use Clean 3M HAF Filters

Keep clean filters in the unit at all times to protect internal components from dust and other particulate build-up. Vacuum filter up to 3 times and reuse. **Note:** There are three filters in the unit, all are the same type but two different sizes. Be sure the appropriate size is installed.

### Monthly

#### 1. Exterior Inspection

Inspect exterior and make sure it is not damaged. Listen to the unit for abnormal sounds. For Parts and Service call your local distributor, or the Dri-Eaz Service Department at 800-932-3030 or (360) 757-7776.

#### 2. Clean Exterior

Clean the housing with a damp cloth.

## TROUBLESHOOTING

**Touchpad doesn't come on:** Check power supply via the 50-amp building outlet or the generator.

**Water in bottom of unit:** Check condensate drain for blockages. Check to make sure there is adequate insulation around the compressor and refrigerant vapor lines.

## SPECIFICATIONS

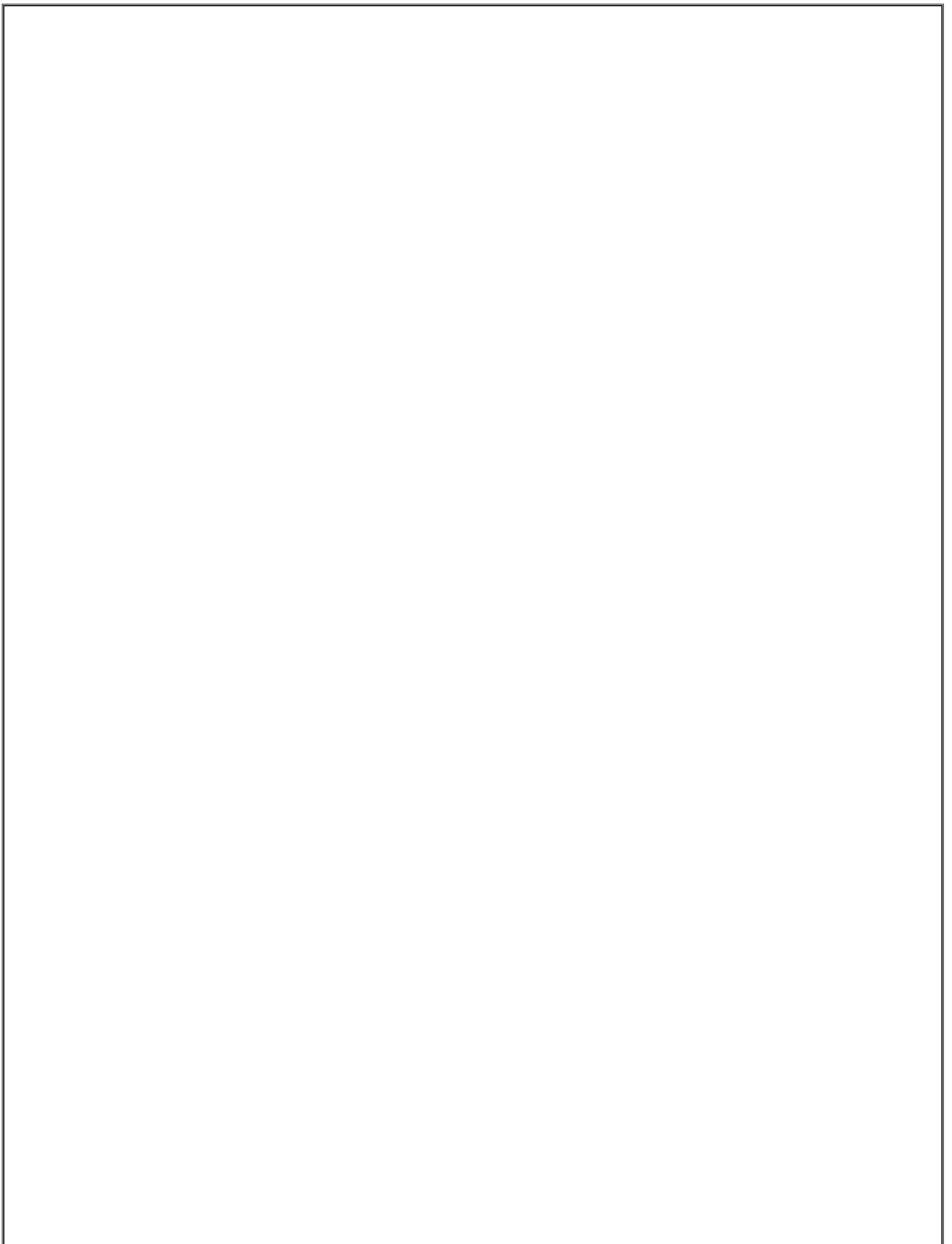
Model	F376
Weight	1200 lbs
Dimensions (HxDxW)	3.3 ft x 7 ft x 4 ft
Amperage	32 amps @ 80/60 and 40 amps at 90/90
BTU's (cooling capacity)	5 Ton (60,000 BTU's)
CFM	5400 using both air streams (3600 condenser airstream and 1800 evaporator airstream)
Maximum Drying	720 pints/day water removal at AHAM (80°F/60%Rh); 1400 pints/day at 90°F/90%Rh; 100+ pints/day at (80°F/20%Rh)
Power	Runs on 50 amp 230v circuit or 17Kw generator
Duct Ring	Standard 18" flexible ducting rated for negative air on inlets to unit
Filter	3M™ HAF Filters
Construction	Powder coated steel
Safety	ETL listed to UL standards

Specifications are subject to change without notice.

Some values may be approximate.

### **FOR PARTS AND SERVICE CALL YOUR LOCAL**

**DISTRIBUTOR**, or the Dri-Eaz Service Department at 800-932-3030 or (360) 757-7776. [www.dri-eaz.com](http://www.dri-eaz.com)



## **GARANTIE LIMITÉE DE DRI-EAZ (EnviroBoss 6000)**

### **Qu'est-ce qui est couvert par la présente garantie ?**

Cette garantie, offerte exclusivement à l'acheteur initial, s'applique aux déshumidificateurs de Dri-Eaz suivants : EnviroBoss 6000

### **Quelle est la durée de la présente garantie ?**

La présente garantie est valide :

- Pendant un (1) an à partir de la date d'achat pour les pièces et la main-d'oeuvre (EXCEPTIONS : la présente garantie ne couvre pas aux filtres, les courroies, les cordons, les interrupteurs, les robinets, les flexibles ou les pièces en caoutchouc) ;

### **Ce que Dri-Eaz s'engage à faire :**

Si un défaut de fabrication ou de pièces se révèle pendant la période de garantie, Dri-Eaz choisira soit de réparer, soit de remplacer gratuitement la pièce défectueuse.

### **Limitations de la présente garantie :**

La présente garantie ne couvre ni ne s'applique aux défauts provoqués directement ou indirectement par une mauvaise utilisation, une utilisation abusive, un démontage, une modification, des produits corrosifs, un voltage inadéquat, un incendie, une inondation, la négligence, un accident, l'entretien ou la réparation incorrecte ou mal exécutée (voir le manuel d'utilisation) ou si le produit n'est pas utilisé conformément aux instructions et aux stipulations qui s'y rapportent. Cette garantie ne couvre pas les filtres, les conduits aplatissables et les réfrigérants. Nous limitons toutes les garanties implicites à :

- un (1) an à partir de la date de l'achat pour les pièces et la main d'oeuvre (EXCEPTIONS : la présente garantie ne couvre pas aux filtres, les courroies, les cordons, les interrupteurs, les robinets, les flexibles ou les pièces en caoutchouc).

**AUTRE QUE LES PRÉSENTES GARANTIES, DRI-EAZ NE FAIT AUCUNE GARANTIE EXPRESSE OU IMPLICITE, ORALE OU ÉCRITE RELATIVE À CE PRODUIT OU À LA FABRICATION ET TOUTE GARANTIE, IMPLICITE EN VERTU DE LA LOI, DE QUALITÉ MARCHANDE ET DE CONFORMITÉ À UN USAGE PARTICULIER EST RESTREINTE À LA DURÉE DE CETTE GARANTIE.** Certaines provinces n'autorisent pas de limitation de clauses ni de durée ; par conséquent, les présentes limitations ne s'appliquent peut-être pas à vous. **NOUS N'ACCEPTONS AUCUNE RESPONSABILITÉ POUR LA MORT, LES BLESSURES, LES DÉGÂTS OU POUR DES DOMMAGES INDIRECTS, PARTICULIERS, CONSÉCUTIFS OU RÉSULTANTS DE L'USAGE DE NOS PRODUITS.** Certaines provinces n'autorisent pas l'exclusion ou la limitation des dommages consécutifs ou indirects ; par conséquent, cette présente limitation ne s'applique peut-être pas à vous.

### **Comment obtenir le service ?**

Pour obtenir le service en vertu de la présente garantie, vous devez **OBLIGATOIREMENT** faire ce qui suit : (a) renvoyer la fiche de garantie dans les trente (30) jours de la date de l'achat du produit ; (b) écrire ou téléphoner pour obtenir une autorisation de renvoi (AR) et (c) avoir à votre disposition le numéro de série et la preuve d'achat originale. Communiquez avec nous aux coordonnées suivantes :

Dri-Eaz Products Inc.  
(360) 757-7776 ou (800) 932-3030  
15181 Josh Wilson Road  
Burlington, WA 98233 USA

Nous inspecterons le produit sans frais et nous vous communiquerons les résultats de notre inspection dans les 72 heures de la réception du produit. Si nous découvrons une défektivité, nous choisirons soit de la réparer, soit de remplacer le produit. Tous les frais de transport seront la responsabilité de l'acheteur.

Si on ne constate aucune défektivité, ou si la défektivité est le résultat de causes qui ne sont pas couvertes par la présente garantie, le produit ne sera réparé ou remplacé que si vous en faites la demande, et cela, à vos frais y compris le transport.

### **Effet des lois provinciales**

La présente garantie vous donne certains droits et vous en avez peut-être d'autres en vertu des différentes lois provinciales.

# **GARANTÍA LIMITADA DE DRI-EAZ**

## **(EnviroBoss 6000)**

### **¿Qué cubre esta garantía?**

Esta garantía cubre EnviroBoss 6000, todos productos de Dri-Eaz, y se proporciona sólo al comprador original.

### **¿Cuánto tiempo dura esta garantía?**

Esta garantía dura:

- Un (1) año a partir de la fecha de compra en el caso de las piezas y la mano de obra (Esta garantía NO cubre los filtros, correas, cordones, interruptores, válvulas, manguitos ni piezas de goma);

### **Dri-Eaz realizará lo siguiente:**

Si se produce un defecto en los materiales o en la fabricación dentro del período de la garantía, Dri-Eaz, a su elección, reparará o reemplazará la pieza defectuosa sin costo alguno.

### **¿Qué no cubre esta garantía?**

Esta garantía no cubre o no se aplica a los defectos que se produzcan como consecuencia directa o indirecta del uso inadecuado, mal uso, realización incorrecta del montaje, alteración, químicos corrosivos, voltaje incorrecto, fuego, inundación, negligencia, accidente, reparación o mantenimiento realizados de manera impropia o incorrecta o la no realización de la reparación o mantenimiento necesarios o recomendados (consulte el Manual del propietario) o si se utiliza este producto sin cumplir con las instrucciones y especificaciones para su uso. Esta garantía no cubre filtros, la canalización superficial plana y el refrigerante. Limitamos toda garantía implícita a:

- Un (1) año a partir de la fecha de compra en el caso de las piezas y la mano de obra (Esta garantía NO cubre los filtros, correas, cordones, interruptores, válvulas, manguitos ni piezas de goma);

**A DIFERENCIA DE LAS GARANTÍAS PRESENTES EN ESTE DOCUMENTO, DRI-EAZ NO ASUME GARANTÍA ALGUNA EXPRESADA O IMPLÍCITA, SEA ORAL O ESCRITA CON RESPECTO A ESTE PRODUCTO O LA FABRICACIÓN Y TODAS LAS GARANTÍAS IMPLÍCITAS POR LEY, ENTRE ELLAS TODAS LAS GARANTÍAS DE COMERCIALIZACIÓN O ADECUACIÓN PARA UN PROPÓSITO PARTICULAR ESTÁN LIMITADAS A LA DURACIÓN DE ESTA GARANTÍA.** Algunos estados no permiten limitaciones respecto a la duración de una garantía implícita, por lo que las limitaciones expuestas anteriormente no pueden ser aplicables a usted. **NO SEREMOS RESPONSABLES POR LA MUERTE O DAÑOS A PERSONAS O PROPIEDADES O POR LOS DAÑOS O PERJUICIOS DIRECTOS, INDIRECTOS, ESPECIALES O CONTINGENTES QUE SE DERIVEN DEL USO DE NUESTROS PRODUCTOS.** Algunos estados no permiten la exclusión o limitación de daños y perjuicios directos o indirectos, de modo que la limitación o exclusión expuestas anteriormente no pueden no ser aplicables a usted.

### **¿Cómo puede conseguir este servicio?**

Para que tenga derecho a recibir el servicio dispuesto en esta garantía, usted DEBE realizar lo siguiente: (a) devolver la tarjeta de registro de garantía adjunta dentro de los treinta (30) días a partir de la compra de nuestro producto; (b) escribir o llamar para obtener una Autorización para material devuelto (RMA, por sus siglas en inglés) y (c) tener disponible el número de serie y la prueba de compra original. Contáctese con nosotros al:

Dri-Eaz Products, Inc.  
(360)757-7776 o (800) 932-3030  
15181 Josh Wilson Road  
Burlington, WA 98233

Examinaremos el producto sin costo y nos pondremos en contacto con usted dentro de 72 horas a partir del momento en que recibamos el producto para entregarle los resultados de nuestra inspección. Si nuestra inspección descubre un defecto, lo repararemos o reemplazaremos el producto, a nuestra elección. Todos los costos de envío los deberá pagar el comprador.

Si se determina que no existe defecto en el producto o que el defecto es resultado de causas que no se encuentran establecidas en esta garantía, el producto se reparará o reemplazará sólo si usted lo solicita y asume el costo y además deberá hacerse cargo de los costos de envío.

### **¿Cómo se aplica la ley del estado?**

Esta garantía le otorga derechos legales específicos y también podría ejercer otros derechos que varían de estado en estado.