



TURBODRYER® BALLOON OWNER'S MANUAL

SAFETY ∞ WARRANTY ∞ MAINTENANCE
SPECIFICATIONS ∞ PARTS LIST

Sahara 230V Balloon ∞ Sirocco 230V Balloon

PURCHASE DATE: _____ SERIAL NO: _____

DISTRIBUTOR: _____

**THIS MANUAL CONTAINS IMPORTANT SAFETY WARNINGS.
PLEASE READ THESE AND SAVE THIS MANUAL FOR FUTURE REFERENCE.**

Dri-Eaz is concerned about the safety of everyone who uses or comes in contact with this unit. The TurboDryer is designed to be operated in compliance with the safety warnings and instructions provided in this manual. Like other electrical devices, the TurboDryer can become dangerous if it is abused, damaged or misused. Failure to observe the following warnings can result in injury to persons, fire or damage to the TurboDryer.

CAUTION - OUTDOOR USE

When using the TurboDryer outside **do not** use an extension cord and use **only with a GFCI** protected receptacle.

CAUTION - EXTENSION CORD LENGTHS

Extension cords must be able to safely deliver 15 amps to the unit. Use of an inadequate cord size can result in overheating and hazard. Select appropriate cord size from table. Do not use a cord smaller in gauge or longer in length than those specified.

MODEL	CORD UP TO 25' (7.5M)	CORD UP TO 50' (15M)
Sahara 230 Volt	1.00 mm ²	1.50 mm ²
Sirocco 230 Volt	1.00 mm ²	1.50 mm ²

Congratulations on your purchase of a Dri-Eaz TurboDryer. It is our goal to offer you the best high performance airmover available. Your Dri-Eaz TurboDryer is durable and simple to operate, and can provide years of trouble free service when you follow the recommendations listed in this manual. If you have a question about your TurboDryer, please call Dri-Eaz Products, Inc. at (360) 757-7776.

Inspect on Arrival: When your TurboDryer arrives, check immediately for signs of shipping damage. If you do notice any damage, report it to your supplier and the shipping company immediately. It is important to save the shipping carton for claim purposes.

Retain Carton: TurboDryer cartons are specially designed to help protect against shipping damage. Save the carton if at all possible. If your TurboDryer ever needs repairs at a remote location, the unit should be packed and shipped in its original carton.

SAFETY INFORMATION

Like other electrical devices, TurboDryers can become dangerous if abused, damaged or misused. Failure to observe the following warnings can result in injury to persons, fire damage, or damage to the TurboDryer. To reduce the risk of electrical shock, fire, or personal injury, read and follow each of the warnings below before using TurboDryers.

Keep TurboDryers Grounded: Always operate TurboDryers with the three pronged grounding plug and a grounded electrical outlet. Never remove the three pronged plug or use an ungrounded extension cord or an ungrounded adapter. The grounding pin on the TurboDryer's plug is an essential safety feature that helps reduce the risk of shock or fire in the event of an electrical hazard.

DANGER

Removal or alteration of the grounding plug, or use of an adapter that defeats the TurboDryer's electrical grounding, can create risk of serious personal injury or fire in the event of damage to or malfunction of this product. Do not use TurboDryers for any reason if they cannot be properly grounded. If you are unsure whether a receptacle is grounded, test the outlet with a receptacle tester or consult an electrician.

Protect the Power Cord from Damage: Never operate TurboDryers with cut, nicked, abraded, frayed or otherwise damaged power cords or extension cords as this may lead to electrical or fire hazards. Never unplug the TurboDryer by pulling the cord. Grasp the plug firmly and pull straight out. Take precautions not to use the cord in a way that may cause damage. Keep cords away from heated surfaces. Inspect cords before each use and replace cords showing damage.

CAUTION - OUTDOOR USE

If operating the TurboDryer outdoors, be sure that it is connected to a **Ground Fault Circuit Interrupter (GFCI)** protected receptacle. **Do not** use extension cords when operating the unit outside. If heavy precipitation persists it is recommended that the TurboDryer unit be unplugged and brought indoors or protected from heavy moisture.

Storage: Store TurboDryers in a clean dry environment. Do not store TurboDryers outdoors.

CAUTION

Never operate TurboDryers in pooled or standing water, as this may create a risk of serious injury from electrical shock.

Keep Motor Dry: Never allow water inside the TurboDryer's motor. If the motor becomes wet for any reason, thoroughly dry it before use.

Keep Children Away: Do not allow children to play with or around the unit. Be sure the TurboDryer is inaccessible to children when unattended. Children can hurt themselves by playing with or around TurboDryers. Secure all areas in which TurboDryers are left unattended while running.

Handle With Care: Do not drop or throw TurboDryers for any reason. Rough treatment can damage the motor, wiring, motor mount or safety screens and create a hazardous condition.

Run on Stable Surface: Always operate TurboDryers on a stable flat surface such as the floor. Do not operate TurboDryers from places where they can fall or be pulled down causing injury. Beware that TurboDryers may vibrate or be pulled from smooth surfaces such as counter tops and cause an injury, fire or electrical hazard.

Air Intakes Must Be Clear: Operate TurboDryers away from draperies and other materials that may come in contact with the air intakes. Do not allow any material to clog or block air intakes, as this may cause TurboDryers to overheat and result in a fire or electrical hazard.

WARNING

To reduce the risk of fire or electric shock, do not use TurboDryers with a solid-state speed control device.

Keep Foreign Matter Out: Do not allow oil, grease, solvents or other matter (including sawdust and drywall dust) to be drawn into the air intakes of TurboDryers. Never direct fogged or liquid chemicals of any kind into the air intakes of TurboDryers.

Don't Operate Without Safety Screens: Never operate TurboDryers without the factory installed safety screens on the air inlets and air exhaust as the rapidly revolving wheel can cause serious injury.

WARNING

Don't Modify Unit. Never modify the motor, wiring or casing of TurboDryers for any reason. Modifications to TurboDryers can lead to fire or electrical hazards which can result in personal injury, damage to property, or damage to the TurboDryer itself.

Keep Away From Heaters: Do not use TurboDryers for circulating hot air by placing the intakes close to a heater. The housing could melt or the motor could overheat and cause a fire or electrical hazard.

Share Owners Manual: Be sure to include a copy of the TurboDryer Owners Manual whenever you loan, rent, or otherwise allow someone else to use your TurboDryers. They need the same safety information that you require for safe ef-

efficient operation. Make sure that all technicians and operators have read and understand the owners manual.

Maintenance or Repair: Do not attempt to disassemble or repair TurboDryers if you are not qualified to do so. If the TurboDryer is not working as it should, return it to Dri-Eaz or an authorized dealer or distributor for servicing. Note: For information about authorized repair and maintenance call Dri-Eaz Products, Inc. at (360) 757-7776.

DANGER

Do not attempt to service or clean the TurboDryer while it is plugged into an electrical outlet or while the wheel is turning as this may lead to risk of electrical shock or injury. It is dangerous for an unqualified individual to attempt to disassemble or repair the TurboDryer.

Keep Away From Explosive Gas: Do not operate TurboDryers in an area containing combustible gas. This could cause a danger of fire or explosion. Ventilate environments that may be explosive.

DANGER

Do not operate TurboDryers in an area containing combustible gas. This could cause a danger of fire or explosion. Ventilate environments that may be explosive.

LIMITED ONE YEAR WARRANTY

Please stop before proceeding and fill out the warranty card enclosed with the unit.

Limited Warranty: Dri-Eaz promises to the original purchaser to replace, at no charge, any part of the TurboDryer that proves to be defective in workmanship or materials for a period of one (1) year from date of purchase. During this period the customer is responsible for all freight and labor costs. After one year, the customer is responsible for all replacement parts, labor and freight costs to and from the service center.

WARNING

Do not, under any circumstances, remove the grounding plug from the cord or modify the wiring in any way. To do so may create a safety hazard and will void the warranty.

To receive warranty parts: All replacement parts must be pre-authorized through our service center. Please direct questions on the warranty to an authorized distributor or Dri-Eaz Products Inc. at (360) 757-7776. No parts will be accepted without the serial number of the equipment the part was taken out of and an authorization number, nor will any credit be given until the defective parts are received. All replacement parts are shipped freight collect from Burlington, Washington. The customer should make a photocopy of the serial number

and fax it to the Dri-Eaz Service Department at Fax (360) 757-6784.

Limitations: This warranty shall not extend to any products showing effects of misuse, disassembly, alteration, lack of proper maintenance, corrosive chemicals, improper voltage, accident damage, unauthorized repairs, use of other than authorized parts and materials, fire, flood, normal wear or any other causes beyond Dri-Eaz Products' control. The warranty obligation extends only to the replacement of parts found, upon Dri-Eaz Products' examination, to be defective. The foregoing constitutes the entire warranty and no other warranty, liability, contingency or responsibility, direct, indirect, consequential or in any way connected with the sale or operation of equipment products is expressed or implied.

MAINTENANCE

Always turn off the power before performing maintenance procedures. All the service procedures below are to be executed with the unit unplugged. Perform before each use or as needed.

CAUTION

Internal repair procedures should only be performed by a qualified technician from an authorized service center.

Clean Air Intakes: Clean the inlet air inlet side screens of any accumulated lint and or fabric. A buildup will reduce the airflow and may cause the motor to overheat and become a fire hazard.

Cord Inspection: Inspect the electrical cord for damage. Units with damaged cords must be removed and repaired before use. Failure to do so may lead to electrical shock, or a fire hazard.

Clean Exterior: Clean the exterior plastic housing with mild detergent and water.

Exterior Inspection: Evaluate exterior components and make sure that exterior components are properly installed. Repair or replace missing components as required. Listen to the unit for abnormal sounds and repair as needed.

Clean Blower Wheel: Make sure unit is unplugged and the wheel has stopped. Remove the side screens. This will permit access to motor and wheel for cleaning.

Remove lint and dust. Use a vacuum or air hose to blow lint and dust from blower wheel, motor and side screens.

WARNING

Do not over tighten screws when reinstalling the plastic side plates on Sahara models, as this may cause the side grills to crack.

SPECIFICATIONS

Model Name:	Sahara 230 Volt Balloon	Sirocco 230 Volt Balloon
Height:	19.5" 50 cm	21" 53 cm
Width:	17.5" 44 cm	19" 48 cm
Length:	19.5" 50 cm	22" 56 cm
Use Wt:	37 lb 17 kg	40 lb 18 kg
Ship Wt:	44 lb 20 kg	47 lb 22 kg
Motor:	3/4 hp	3/4 hp
Current Draw:	3.3 amps	4.2 amps
Switch:	3-Speed Rotary	3-Speed Rotary
Wheel:	9.5" x 9.5" 24.1 x 24.1 cm	10.5" x 10.5" 26.7 cm x 26.7 cm
RPM:	L900-M1100-H1350	L650-M850-H1150

PARTS LISTS

#	Part Name:	Sahara 230 Volt Balloon	Sirocco 230 Volt Balloon
1.	Product Number	F65-230V BAL	F42-230V BAL
2.	Circuit Breaker	N/A	N/A
3.	Cord Strain Relief	02-00005	02-00005
4.	Power Cord 20'	02-00127	02-00127
5.	Grill (motor side)	10-00904	19-00153
6.	Foot (rubber)	13-00998	09-00011
7.	Housing Kit	F119	F49
8.	Blower Wheel Kit	F137	F54
9.	Grill (snout)	09-01002	09-00026
10.	Grill (wheel side)	19-01111	19-00153
11.	Motor Kit Complete	F118	F59
12.	Capacitor	09-00012-01	09-00012-01
13.	Switch Assembly	F138	F48

TURBODRYER TROUBLESHOOTING

Caution

Solutions fall into two categories listed in the third column. Field Solutions (FS) are those procedures that can be handled by the technician in the field. Others solutions should be handled by a repair technician and are listed as Authorized Service Technician (AST).

WARNING: All the service procedures below should be executed with power off i.e. unplugged.

PROBLEM	CAUSE	SOLUTION
Motor won't run.	1. Switch not turned on	FS 1. Turn switch to appropriate speed
	2. No power at outlet	FS 2. Check outlet with receptacle tester
	3. Switch is broken	AST 3. Call factory for replacement switch
	4. Loose wiring	AST 4. Check wiring and tighten as needed
	5. Blower wheel completely jammed	AST 5. Remove material jamming wheel or repair/replace bent motor mount
	6. Intake screens or exhaust snout blocked	FS 6. Turn machine off, allow to cool; remove blockage
Motor runs but wheel turns erratically and makes a scraping noise.	1. Severe jolt has caused motor mount to bend and blower wheel to rub against mount	AST 1. Remove motor from housing and repair/replace bent motor mount
	2. Severe jolt has caused motor to slip out of mount and blower wheel to rub against housing	AST 2. Remove motor from housing and install motor into mount correctly
Airmover vibrates excessively.	1. Blower wheel has been bent	AST 1. Replace the blower wheel
	2. Blower wheel has lost balance	AST 2. Replace blower wheel or balance
	3. Uneven accumulation of soil has built up on wheel	FS Clean blower wheel
	4. Bent motor shaft	AST 3. Replace the motor