



Dry Air
TECHNOLOGY

OWNER'S MANUAL



DRYPRO 5000 DELUXE DEHUMIDIFIER

**This manual contains important safety and operating information.
Please read before using the dehumidifier and save for future reference.**

Purchase Date: _____ Serial No: _____

313 North Oak Street Burlington, Washington 98233 Toll Free: 888.755.9176

Phone: 360.755.9176 • Fax: 360.755.9236 • email: info@dryairtech.com • www.dryairtech.com



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IMMEDIATELY

Check for any External or Internal Damage From Shipping

Please inspect your unit within 7 DAYS from date received. If concealed damage is noted, contact the delivering carrier immediately for inspection.

This unit was delivered to the carrier in first class condition. Shipper assumes no further liability after delivery to the transportation company. Your claim should be filed against the carrier for damage of any nature.

PACKAGING

Be sure to keep all original packaging. Original packaging will help protect unit from freight damage if there is a need to return.

Dry Air Technology

Toll Free U.S. & Canada: 888.755.9176

Overseas: (001) 360.755.9176

Email: info@dryairtech.com

Congratulations on your purchase of the DryPro™ 5000 Deluxe. This dehumidifier has been designed to offer you the reliability, durability and portability you need.

Your DryPro™ 5000 Deluxe removes up to 110 pints per day at saturation and 60 pints per day at AHAM specifications.

The DryPro™ 5000 Deluxe includes factory-installed wheels, handle and automatic pump-out system.

SAFETY INFORMATION

Caution!
Unit operates on alternating current:
110/120 volt, 60 Hz
Or 230 volt, 50 Hz

Do not operate your DryPro™ 5000 Deluxe Dehumidifier with a cut or frayed power cord. Do not unplug your dehumidifier by pulling on its cord. Grasp the plug firmly and pull it out of the wall socket. The plug has a safety ground pin installed that must not be removed. If the pin is damaged or missing, have the power cord replaced at once. Visually inspect the power cord before each use. Ignoring these safety precautions may result in a fire or an electric shock.

Never operate electrical equipment in standing water. There is a shock hazard.

Never drop the unit. Sudden and severe impact may result in damage to internal components.

Your DryPro™ 5000 Deluxe Dehumidifier should not be operated with the unit's outer cover removed. Personal injury may result.

Drapes or other loose fabrics can be drawn against the unit restricting its airflow. This condition may cause the unit to overheat. Assure that there is sufficient space between

the back of the unit and these fabrics to avoid this condition.

Save the shipping carton in case your DryPro™ 5000 Deluxe Dehumidifier must be returned for repair, but discard the plastic bag to prevent children from using it as a toy. Also, children should not be allowed to play on or near a running dehumidifier.

Never operate your DryPro™ 5000 Deluxe Dehumidifier outside when it is raining and never store your dehumidifier outside.

This unit should never be serviced or cleaned while it is plugged into a live electrical power source.

Warning!
Ignoring these safety precautions may result in serious personal injury.

OPERATING INSTRUCTIONS

1. If your unit is equipped with wheels, block them to keep the unit from accidentally rolling. Also, secure the dehumidifier during transportation to prevent its toppling over and to keep it upright. Severe impact may damage the compressor or electronic components.
2. In the event that the unit has been stored or transported on its side, set it upright for at least one (1) hour before starting.
3. Operate your DryPro™ 5000 Deluxe only on a level surface. This will prevent the unit from spilling condensate or flooding the area.
4. Plug the unit into a grounded alternating current circuit and switch on the unit.
5. Secure the 40' drain hose to a sink or alternative drain.
6. Residual water left in the collection tray must be drained before moving the unit to another locality. Failure to remove water may result in a spill.

7. Be sure to properly purge remaining water in the pump after each use. Please keep in mind that coils may still be cold at the end of each use. Allow the unit to adjust to room temperature and press the purge switch. If the condensate pump had not been properly purged after the last use, or if the unit had been removed from the previous job site before the coils had returned to room temperature, the condensate pump may begin to pump water immediately when the unit is plugged in.
8. If the unit is shut down for any reason, allow at least five minutes before restarting. This will avoid damage to the compressor.
9. Assure that the fan and compressor are properly functioning before leaving a running unit unattended.

The coils should be cleaned about every 8 to 12 weeks. If the DryPro™ 5000 Deluxe Dehumidifier is used in a dusty environment, cleaning may need to be accomplished more frequently. The coils should be dry before the following cleaning operation is performed.

Dry Method. Inject compressed air through each coil. Clean the unit's front grill with a vacuum equipped with a brush attachment. After removing the dry particle contamination, a wet cleaning process may be used.

Caution!
Do not use a hose to flush the coils and do not permit water to leak into the electrical compartment.

MAINTENANCE

Warning!
Disconnect the unit from the power supply before cleaning or servicing.

Filter Cleaning: The filter shroud must be cleaned after every job. The filter itself should be vacuumed frequently to control the build-up of soil. On a periodic basis, the filter should be removed completely from the unit. It can be washed with water and mild detergent. Allow the filter to thoroughly dry before reinstalling it in the unit.

Coil Cleaning: As the coils accumulate soil, their heat transferring properties are reduced. This can diminish water extraction and create undue pressure on the refrigeration system.

Wet method. Use a soft brush and soapy water. If soils have been allowed to accumulate over time, they may be dry and hard. Soak time may be required to dissolve and release these soils from the coils. A spray bottle or a syringe can be used to apply controlled amounts of cleaning solution. After cleaning, make sure that the drain port, the condensate tray and drain tubing are free of any residual soil.

Electrical Wiring & Cord: Inspect the power cord periodically to make sure that the insulation is in good condition. Replace worn or damaged cords.

Remove the dehumidifier cover to expose the wiring and terminal block. Inspect wires to assure that they are secured away from the fan blade. Inspect the terminal block connections and wires for abrasions, nicks or cuts. Repair or replace as needed.

Warning!
The fan blade is sharp! Do not touch the edges with your hands, serious personal injury may result.

Fan Motor: Carefully remove dust and debris from the fan motor and blade assembly whenever you remove the unit's cover for interior cleaning.

Drain Hose: Inspect the gravity drain hose to make sure it is in good condition. The hose should be checked before your DryPro™ 5000 Deluxe Dehumidifier leaves the shop and again before the unit is left on the job.

Make sure that the drain hose is **not** kinked or cracked. Avoid leaving the drain hose in a folded position during transport and storage.

DryPro™ 5000 FEATURES

The DryPro™ 5000 Deluxe utilizes a 5,000 BTU rotary compressor and “hot gas” bypass.

The DryPro™ 5000 Deluxe is temperature sensitive. Its intelligent “hot gas” defrost not only activates when environmental conditions dictate but, once engaged, gets the coils defrosted and back into action much faster. This means that the DryPro™ 5000 Deluxe is pulling water out of the air while other units are defrosting.

To provide more protection for the coil, a washable Quadrafoam Filter with a special Uni-Grid support and aluminum frame clean the air before it enters the unit.

The DryPro™ 5000 Deluxe is stackable for storage or for operation in the field. The unit also features two flip-up, rubber sleeve handles mounted on either side of the unit. This makes transport much safer. Back strain and stress is reduced during handling so there is less chance of the unit being damaged.

A 16-gauge steel chassis with a baked-on powder coat finish provides a tough exterior that protects the unit and will keep it looking great for years.

SPECIFICATIONS

Height:	17”
Width:	14”
Depth:	20”
Weight:	84 lbs
Operating Range:	55° F – 95° F
Max. Capacity:	112 Pints
AHAM:	60 Pints
Airflow:	200 CFM
Compressor:	5,000 BTU
Power Supply:	110/120V / 60 Hz
Amperage:	6 Amps
Refrigerant:	R - 22

REPAIRS

1. Should an electrical component fail consult your Distributor or the Factory Service Center to obtain OEM parts.
2. If a problem develops in the refrigeration system, only a certified refrigeration technician can correct it. Contact your Distributor or the Factory Service Center for more information.
3. For technical support and general information, contact your Distributor or the Factory Service Center.

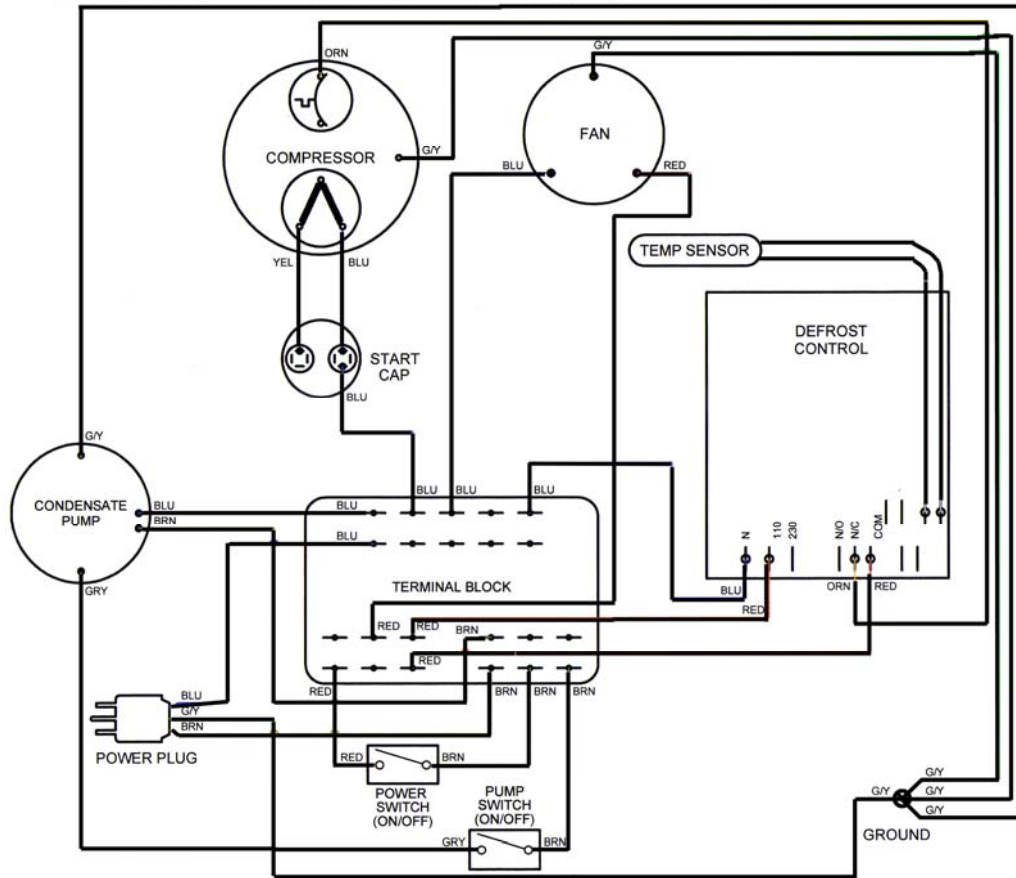
CUSTOMER’S OBLIGATIONS: The Customer has the responsibility to diagnose and/or make minor adjustments and to reimburse the authorized service center or Dry Air Technology for any other repair not covered by the terms of this Limited Warranty.

DryPro 5000™ PARTS LIST

Description	Part Number
Front Grill	RD-00C-M3A20092
Filter Grill	RD-00C-M5A20093
Rubber Foot	AF-00C-R4A10044
DryPro™ Air Filter	RD-00C-NNNN0178
20' - Power Cord	CF-00E-N4A10004
Strain Relief	CF-00E-PNN10006
On/Off Rocker Switch	GN-00E-P3B10218
Cover, Rocker Swtich	GN-00C-R3NN0335
Momentary Switch	GN-00E-P3B30217
DryPro™ Drip Tray	RD-00C-P6N10208
5000 BTU Compressor	RD-03M-N2NN0087
Capacitor 250 VAC/35mf	RD-00E-N6IN0277
Evaporator Coil	RD-00M-N2AN0075
Condensor Coil	RD-00M-N2AN0076
8" Fan Motor Assy	RD-03M-NNNN0089
Condensate Pump	RD-00M-P6NN0181
ICM Defrost Control	RD-00E-N6NN0236
ICM Defrost Control Mount	RD-00C-G8NN0407
3/8 Fitting (Attached to Drip Tray)	RD-00M-P3N70100
3/8 Hose Fitting (Attached to 1 ft hose from pump to 40' Discharge hose)	RD-00M-P3A7031
1/4" 40' Discharge Hose	RD-00M-P5A90230
1/4 Barb Fitting (Attached to 40 ft hose)	RD-00M-P3A70232
12" Wheels	RD-00M-PNA10185
Upper Handle	SV-00R-MNNN0020
Lower Handle	SV-00R-MNNN0021
Star Knob	RD-00F-P3A10128
Handles (side of DP 5000)	RD-00C-M6A10123
DryPro™ Bulkhead	RD-00C-G1NN0176
DryPro™ Base	RD-00C-G1NN0177

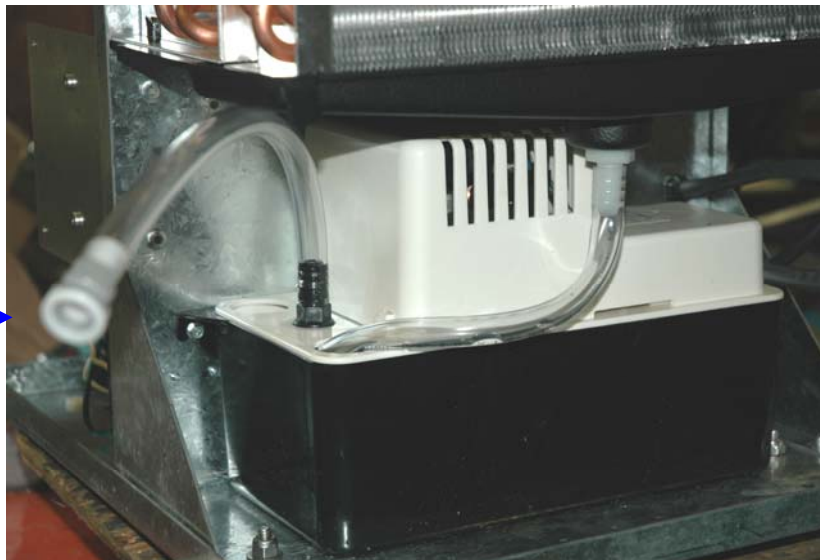
Wiring Diagram

DRY PRO 5000 115V



Drain Hose Placement

Attach 40' drain hose.



Dry Air Technology 10 Year Limited Warranty

Refrigerant Dehumidifier Products

Warrantor: Dry Air Technology, 313 North Oak Street, Burlington, WA 98233. Telephone: 888-755-9176, local: 360-755-9176, fax: 360-755-9236.

Who Is Covered: This warranty extends to the original end-user of refrigerant dehumidifiers manufactured by Dry Air Technology, and may not be assigned or transferred.

Warranty Period: The term of the warranty coverage from the date of purchase is:
10 years on the cabinet, chassis and housing
5 years on the parts of the sealed refrigeration system
1 year on parts, labor and reasonable shipping costs, excluding filters and accessories.

Warranty Coverage: Dry Air Technology warrants that, for one year refrigerant dehumidifiers manufactured by Dry Air Technology will operate free from defects in material or workmanship, or Dry Air Technology, at its option, will repair or replace the defective part(s), free of charge.

Dry Air Technology further warrants that for a period of five (5) years, the condenser, evaporator and compressor of dehumidifiers manufactured by Dry Air Technology will operate free from defects in material or workmanship, or Dry Air Technology, at its option, will repair or replace the defective part(s), provided that all labor and shipping costs for the defective part(s) shall be borne by the end-user.

Dry Air Technology further warrants that for a period of ten (10) years, the cabinet, chassis and housing of dehumidifiers manufactured by Dry Air Technology, will be free from defects in material or workmanship, or Dry Air Technology, at its option, will repair or replace the defective part(s), provided that all labor and shipping costs for the defective part(s) shall be borne by the end-user.

This warranty does not cover any defect, malfunction, etc. resulting from misuse, abuse, lack of normal care, corrosion from chemicals, freezing, tampering, modification, unauthorized or improper repair or operation, accident, acts of nature or any other cause beyond Dry Air Technology's reasonable control.

End-User Responsibilities: Warranty service must be performed by a firm or individual authorized by Dry Air Technology. If the end-user is unable to locate or obtain warranty service from an authorized firm or individual, he should contact Dry Air Technology at the above location, which will arrange for covered warranty service. All covered warranty service will be performed during normal business hours.

Limitations and Exclusions: If any part of a dehumidifier manufactured by Dry Air Technology is repaired or replaced, the new part shall be warranted only for the remainder of the original warranty period of the dehumidifier (but all warranties will be extended by the period of time, if any, that the Dry Air Technology dehumidifier is out of service while waiting for covered warranty service).

UPON THE EXPIRATION OF THE WRITTEN WARRANTY APPLICABLE TO THE DRY AIR TECHNOLOGY DEHUMIDIFIER OR ANY PART THEREOF, ALL OTHER WARRANTIES IMPLIED BY LAW, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL ALSO EXPIRE. ALL WARRANTIES MADE BY DRY AIR TECHNOLOGY ARE SET FORTH HEREIN, AND NO CLAIM MAY BE MADE AGAINST DRY AIR TECHNOLOGY BASED ON ANY ORAL WARRANTY. IN NO EVENT SHALL DRY AIR TECHNOLOGY, IN CONNECTION WITH THE SALE, OPERATION, REPAIR OR REPLACEMENT OF ANY DRY AIR TECHNOLOGY DEHUMIDIFIER OR PART THEREOF BE LIABLE UNDER ANY LEGAL THEORY FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES INCLUDING WITHOUT LIMITATION WATER DAMAGE (THE END-USER SHOULD TAKE PRECAUTIONS AGAINST SAME), LOST PROFITS, DELAY, OR LOSS OF USE OR DAMAGE TO ANY REAL OR PERSONAL PROPERTY.

Some states do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages, so one or both of these limitations may not apply to you.

Legal Rights: This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

DRY AIR TECHNOLOGY, BURLINGTON, WASHINGTON