

ALORAIR Storm LGR Extreme

ALORAIR Storm LGR Extreme 180 PPD Commercial Dehumidifier User Manual

Model: Storm LGR Extreme

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your ALORAIR Storm LGR Extreme Commercial Dehumidifier. Please read this manual thoroughly before operating the unit and retain it for future reference.

The ALORAIR Storm LGR Extreme is a high-capacity Low Grain Refrigerant (LGR) dehumidifier designed for commercial, industrial, and water damage restoration applications. It is capable of removing up to 180 pints of water per day at saturation (90°F, 90% Relative Humidity) and 85 PPD at AHAM conditions (80°F, 60% Relative Humidity), covering areas up to 2,300 square feet.



Image 1.1: ALORAIR Storm LGR Extreme Dehumidifier. This image shows the compact, yellow and grey unit with its front air intake grille and a coiled drain hose attached to the side.

Its compact design and built-in pump make it suitable for various environments, including basements, crawl spaces, warehouses, and job sites.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to reduce the risk of fire, electric shock, or injury.

- Read all instructions before using the appliance.
- Ensure the power supply matches the voltage requirements specified on the unit's label.
- Do not operate the unit with a damaged cord or plug. If the power cord is damaged, it must be replaced by the manufacturer or a qualified service agent.
- Do not block air intake or exhaust openings. Maintain adequate clearance around the unit for proper airflow.
- Do not insert objects into the air outlets or inlets.
- Keep the unit away from water sources and wet environments.

- Always unplug the dehumidifier before cleaning, servicing, or moving it.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The unit is designed for commercial use.

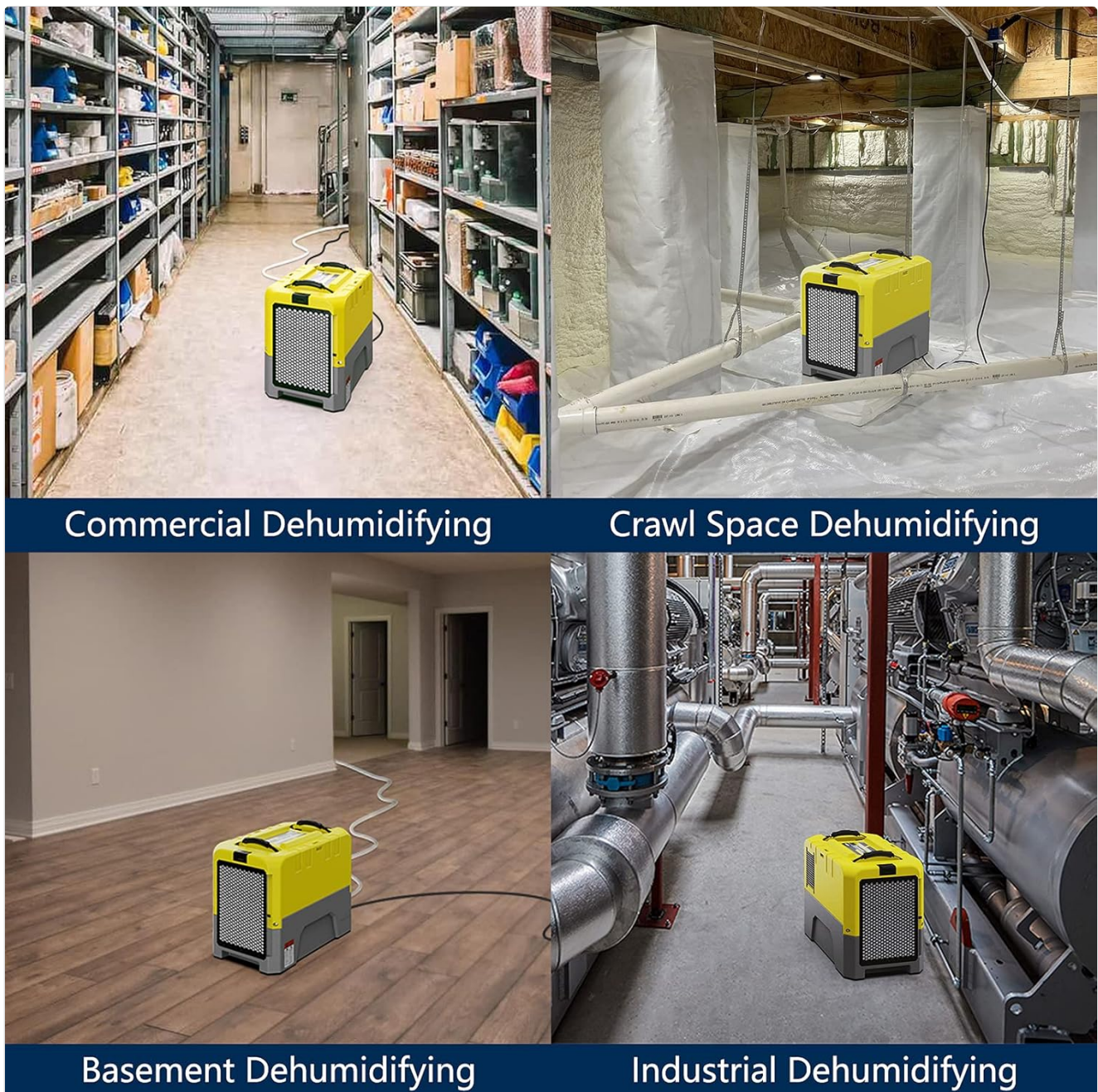
3. SETUP AND INSTALLATION

3.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Inspect the unit for any shipping damage. Contact your supplier immediately if damage is found.
3. Remove all packing materials and dispose of them responsibly.

3.2 Placement

Position the dehumidifier on a stable, level surface. Ensure there is at least 1 foot (30 cm) of clearance around the air intake and exhaust for optimal performance. The unit is designed to be compact and can be placed in tight spaces such as crawl spaces or basements.



Commercial Dehumidifying

Crawl Space Dehumidifying

Basement Dehumidifying

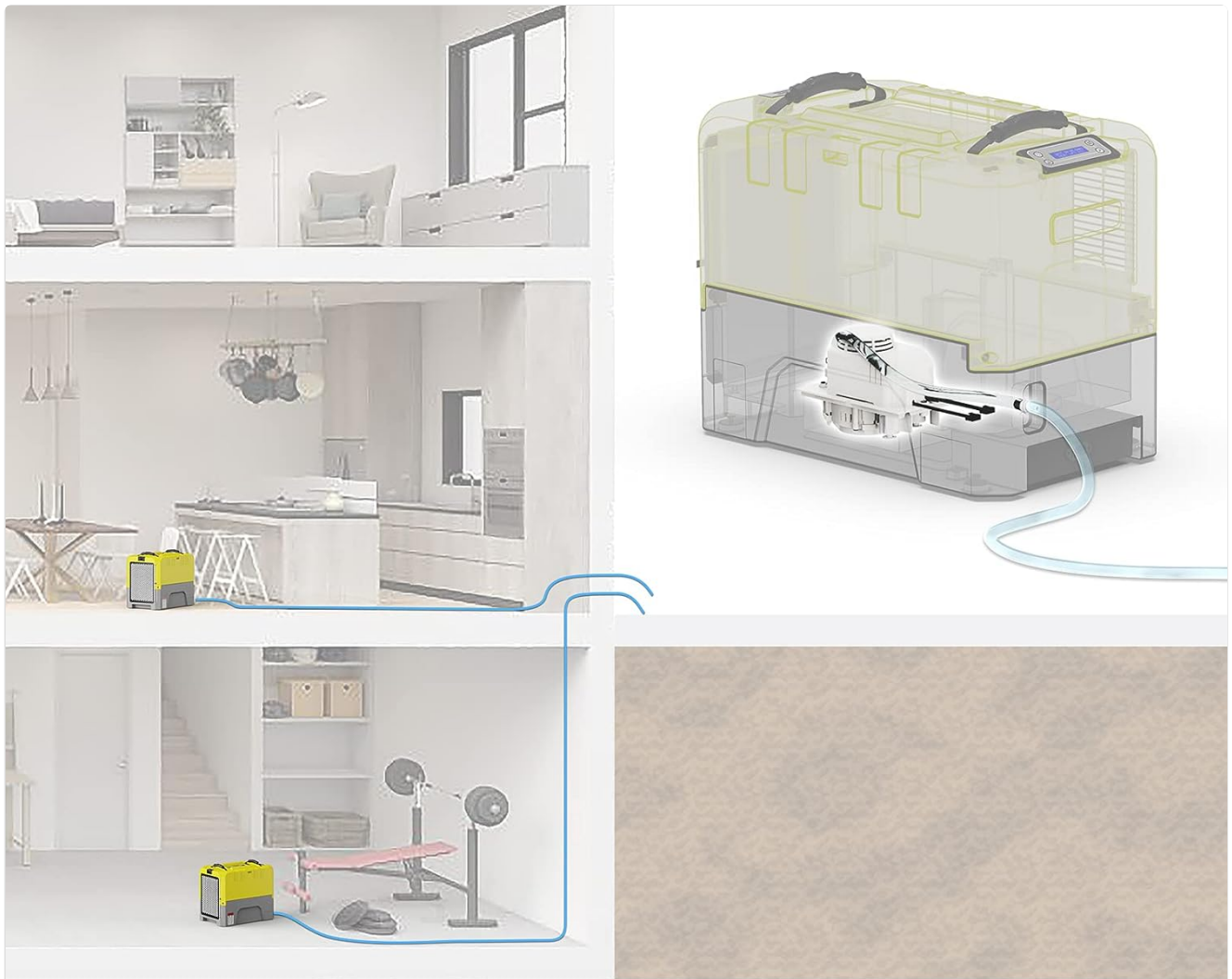
Industrial Dehumidifying

Image 3.1: ALORAIR Dehumidifier in various settings. This image illustrates the dehumidifier's versatility, showing it in a commercial warehouse, a crawl space, a basement, and an industrial environment.

3.3 Drainage Setup

The Storm LGR Extreme features a built-in condensate pump for automatic drainage. This eliminates the need for manual emptying of a water tank.

1. Locate the drain hose connection point on the unit.
2. Connect the provided 19.6 ft (6 meter) drain hose securely to the outlet.
3. Route the drain hose to a suitable drainage point, such as a sink, floor drain, or outside. The pump can lift water up to 14.7 ft (4.5 meters) vertically.
4. Ensure the hose is not kinked or obstructed to allow for continuous drainage.



Built-in Condensate Pump.

Gives you the freedom to drain anywhere.

Image 3.2: Diagram of the built-in condensate pump and drainage system. This illustration shows the internal components of the dehumidifier, highlighting the pump and the path of the drain hose for continuous water removal.

3.4 Stacking for Transport

The unit is designed to be stackable for efficient storage and transportation. Ensure units are securely stacked before moving.

Stackable Design for Easy Transportation



Image 3.3: Stackable design for easy transportation. This image shows multiple dehumidifiers stacked on top of each other, demonstrating their space-saving design for storage and transport.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

The ALORAIR Storm LGR Extreme features an intelligent touch panel for easy operation.

EASY OPERATION AND INTUITIVE.

Display Temp. and humidity at both inlet and outlet.



Image 4.1: Easy operation and intuitive display. This image highlights the digital control panel, showing the unit's operational status, inlet temperature, and humidity levels.

4.2 Basic Operation

1. **Plug-and-Go:** Connect the power cord to a suitable electrical outlet.
2. **Power On:** Press the **POWER** button on the control panel to turn the unit on.
3. **Set Humidity:** Use the **SET** buttons (up/down arrows) to adjust the desired humidity level. The unit will operate until the set humidity is reached.
4. **Menu Navigation:** Press the **MENU** button to cycle through various display options and settings.

4.3 Automatic Features

- **AUTO ON/OFF:** The unit automatically turns on and off to maintain the set humidity level.
- **Memory Starting:** In case of a power interruption, the unit will automatically restart with the previous settings once power is restored.
- **Auto Defrost:** The dehumidifier features an automatic defrost function to prevent ice buildup on the coils, ensuring efficient operation in cooler conditions. During a defrost cycle, moisture removal may temporarily decrease until the coils are clear.

Moisture Extraction Machines



AUTO OPERATION:

Turns ON and OFF Automatically.



AUTO DEFROST:

Prevents Coils from Freezing.



MEMORY RESTART:

Lose Power? Picks Up Where It Left Off.

**180
PPD**



Image 4.2: Moisture extraction machine features. This image highlights key automatic functions: Auto Operation, Auto Defrost, and Memory Restart, which enhance user convenience and unit efficiency.

4.4 Display Information

The digital display provides real-time operational data:

- **GPP (Grains Per Pound):** Indicates the moisture content in the air.
- **Inlet/Outlet Temperature and Humidity:** Shows the conditions of the air entering and exiting the unit.
- **Coil Temperature:** Displays the temperature of the evaporator coils.
- **Compressor Amps:** Current draw of the compressor.
- **Total Amps:** Total current draw of the unit.
- **Job Hours:** Resettable timer for tracking operation duration for specific tasks.
- **Total Life Hours:** Cumulative operational hours of the unit.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your dehumidifier.

5.1 Air Filter Cleaning/Replacement

The unit is equipped with a washable MERV-8 air filter designed to capture microscopic airborne particles without significantly impacting airflow.

1. Turn off and unplug the dehumidifier before accessing the filter.
2. Locate and remove the air filter from its slot.
3. Clean the filter by vacuuming or rinsing with warm water. Allow it to dry completely before reinstallation.
4. It is recommended to clean the filter monthly and replace it every 3-6 months, depending on usage and environmental conditions.

5.2 General Cleaning

- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure all vents are clear of dust and debris.

5.3 Pump Maintenance

The built-in pump has a purge button to manually drain the condensate. This can be useful for ensuring the pump is clear or for draining the unit before moving.

- Press the **PUMP** button on the control panel to initiate a manual drain cycle. The pump will run for approximately 25 seconds.
- Regularly check the drain hose for blockages or kinks.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your dehumidifier.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply Power cord damaged	Check power connection and outlet. Inspect power cord for damage; contact service if damaged.
Dehumidifier not removing moisture	Air filter clogged Room temperature too low Humidity setting too high Unit in defrost cycle	Clean or replace air filter. Ensure ambient temperature is within operating range (above 33°F / 1°C). Lower the desired humidity setting. Allow the unit to complete its automatic defrost cycle.

Problem	Possible Cause	Solution
Water leakage	Drain hose kinked or blocked Drain hose not securely connected	Check and clear any obstructions in the drain hose. Ensure the drain hose is firmly attached to the unit and directed to a proper drain.
Unit displays E4/E5 error code	Refrigerant leak or sensor issue	Turn off the unit and unplug it. Contact customer support for assistance. Do not attempt to repair refrigerant systems yourself.
Unit is noisy	Unit not on a level surface Air filter clogged Internal component issue	Place the unit on a stable, level surface. Clean or replace air filter. If noise persists, contact customer support.

For issues not listed here or if problems persist, please contact ALORAIR customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	ALORAIR
Model Name	Storm LGR Extreme
Dehumidification Capacity (Saturation)	180 Pints per Day
Dehumidification Capacity (AHAM)	85 Pints per Day
Floor Area Coverage	Up to 2,300 Square Feet
Air Flow Capacity	210 Cubic Feet Per Minute (CFM)
Product Dimensions (L x W x H)	22.8" x 13.7" x 17.3"
Item Weight	64.3 Pounds
Material	Polyethylene (PE)
Color	Yellow
Wattage	646.3 watts
Operation Modes	Continuous, Timer, Pump Drainage, Auto-Defrost
Special Features	Adjustable Humidity Control, Automatic Defrost, Built-In Pump, Continuous Draining, Digital Display

Feature	Detail
Drain Hose Length	19.6 ft
Drain Vertical Height	14.7 ft
Upper Temperature Rating	104 Degrees Fahrenheit
Certifications	ETL Compliant



Image 7.1: Product dimensions. This image provides a visual representation of the dehumidifier's length, width, and height measurements.

8. WARRANTY AND SUPPORT

ALORAIR stands behind the quality of its products. The Storm LGR Extreme dehumidifier comes with a comprehensive limited warranty.

8.1 Limited 5-Year Warranty

- **6 Month Parts and Labor:** Includes shipment charges for replacement parts or unit.

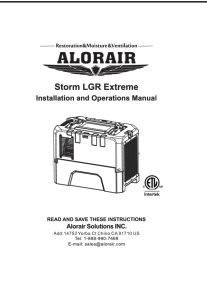
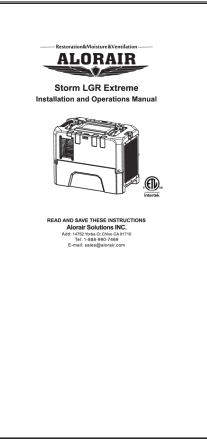
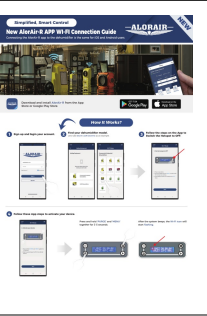
- **1 Year Parts and Labor:** Excludes shipment charges for sending the defective product back for repair or replacement.
- **3-Year Parts and Labor:** Coverage for the refrigeration system only.
- **5-Year Compressor and Coil:** Specific coverage for these critical components.

For additional warranty information or to initiate a warranty claim, please refer to the official ALORAIR website or contact customer support directly. Ensure you retain your proof of purchase.

8.2 Customer Support

If you have any questions, require technical assistance, or need to troubleshoot an issue, please contact ALORAIR customer support. Contact details can typically be found on the manufacturer's website or on the product packaging.

Related Documents - Storm LGR Extreme

	Alorair Storm LGR Extreme Dehumidifier: Installation and Operations Manual Comprehensive guide for the Alorair Storm LGR Extreme dehumidifier, covering installation, operation, maintenance, troubleshooting, error codes, and warranty information.
	Alorair Storm LGR Extreme Dehumidifier: Installation and Operations Manual Comprehensive installation and operations manual for the Alorair Storm LGR Extreme dehumidifier. Covers safety, setup, operation, maintenance, troubleshooting, and warranty information.
	AlorAir-R App Wi-Fi Connection Guide for Dehumidifiers A comprehensive guide to connecting your AlorAir-R dehumidifier to your Wi-Fi network using the AlorAir-R mobile application. Includes step-by-step instructions, troubleshooting, and setup tips for iOS and Android users.

	AlorAir-R App Quick Start Guide Comprehensive guide to setting up and using the AlorAir-R mobile application for controlling AlorAir smart dehumidifiers, including account creation, device connection, and feature navigation.
	AlorAir Storm Dehumidifier Installation and Operations Manual This manual provides detailed instructions for the AlorAir Storm SLGR 850X, Storm LGR 850X, and Storm LGR 850 dehumidifiers, covering safety, operation, maintenance, troubleshooting, and warranty information.
	Alorair Storm LGR Extreme Dehumidifier: Installation and Operations Manual Comprehensive installation and operations manual for the Alorair Storm LGR Extreme dehumidifier, covering safety, setup, maintenance, troubleshooting, and warranty information.

Documents - ALORAIR – Storm LGR Extreme

Specifications

Features	Storm LGR Extreme
Compressor Type	Scroll
More Thorough Defrosting Cycle	✓
Ducting options	✓
Condensate Pump	✓
100% Dehumidifying	✓
Easy handling	✓
Water Full protection	✓
Environmental R410A Refrigerant	✓
Automatic humidistat control	✓
Memory Setting	✓
Continuous Drainage	✓
Remote Control	✓
Low Temperature	✓
Exhaust Air sensor	✓

Storm LGR Extreme Dehumidifier

Application

Storm LGR Extreme is designed professional testing and a hardware as required solution. This brand new Storm LGR Extreme which contains state-of-the-art innovation technology. It is a state-of-the-art solution for professional and residential use. Storm LGR Extreme has an extremely strong water removal capacity which makes the machine the perfect choice for restoration needs. It features great COP 3.5, A+ Energy Efficiency 95% at 30°F/0°C while current draw is 3.5A, noise power 60dB, all these attractive specifications make it a Best product with CE Certifications.

The Storm LGR Extreme supplements the air conditioning system in the environment and provides healthy indoor climate. The advanced humidity sensor makes the unit ideal for almost any application. No commercial dehumidifier can provide as efficiently and effectively for water damage restoration as Storm LGR Extreme. It is the best choice for all general uses. Read instruction book for operation, remote and early prevention of mold growth, for area applications, include warehouse, storage, storage, retail, industrial, industrial and garage applications etc.

Key Design Features

- More Thorough Defrosting System
- Super COP
- 3.5 A+ Energy Efficiency
- Super Condensate Pump (Designed only for Dehumidifier)
- Connect Duct with Stainless Steel Pipe
- Quick Access to Pump and Water Board
- Overheat Protection
- High capacity 100% dehumidifying

Additional Features

- Engineered for low temperature operation and the air flow sensor
- Remote control support
- Heavy Duty Condensate Pump
- Quick connect for professional use can be taken out freely (get full and the quick connection)

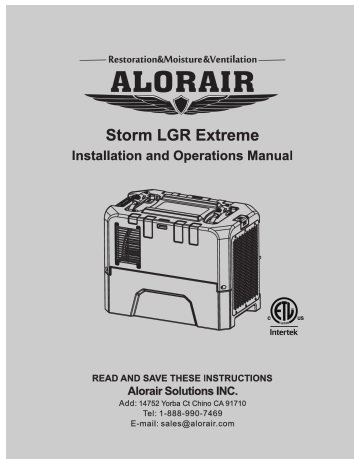
Storm LGR Extreme

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Storm LGR Extreme Specifications Dehumidifier Features Storm LGR Extreme Specifications Storm LGR Extreme Compressor Type More Thorough, And More Quick Ducting options Condensate Pump HGV Defrosting Easy handling Water Full protection Environmental R410A Refrigerant Automatic humidistat contr...
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[\[pdf\]](#) User Manual Instructions Guide

AlorAir Storm LGR Extreme User Manual cdr pc Installation and Operations READ AND SAVE THESE INSTRUCTIONS instructions included in this user guide or furnished with the product 1655721394 alorair files guides il y a 2 jours — |||

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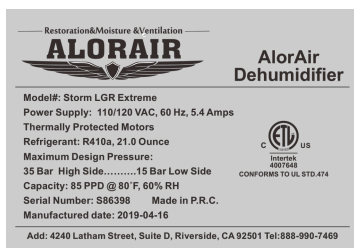
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[\[pdf\]](#) User Manual Warranty

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Storm LGR Extreme data plate cdr Administrator 1593580228 1565855317 alorair files product guides 1565855488 productPdfDownload 28 s

AlorAir Dehumidifier Model#: Storm LGR Extreme Power Supply: 110/120 VAC, 60 Hz, 5.4 Amps Thermally Protected Motors Refrigerant: R410a, 21.0 Ounces Maximum Design Pressure: 35 Bar High Side.....15 Bar Low Side Capacity: 85 PPD 80F, 60 RH C US Intertek 4007648 CONFORMS TO UL STD.474 ...

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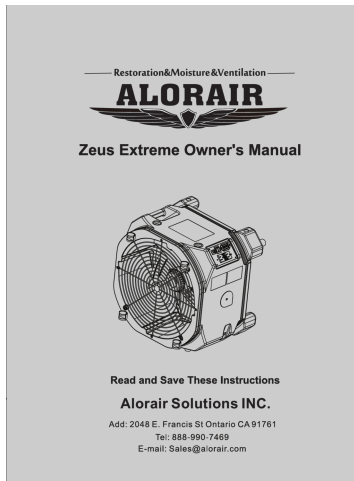


[\[pdf\]](#) Specifications

Wi Fi Storm LGR Extreme Yellow Administrator AlorAir cETL APP controller Compressor Type More Thorough and Quick Ducting options Condensate Pump HGV Defrosting Easy handling Water full protection 1594696859 alorair files product guides

Specifications Storm LGR Extreme Dehumidifier Features cETL APP controller Compressor Type More Thorough, and More Quick Ducting options Condensate Pump HGV Defrosting Easy handling Water full protection Environmental R410A Refrigerant Automatic humidistat control Memory Starting Rare earth alloy ...

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AlorAir Zeus Extreme cdr Administrator this user guide or furnished with the product Alorair Solutions Inc will not provide in home service during after warranty period 1648886209 User Manual alorair files guides |||

Alorair Solutions INC. AIR MOVER AIR MOVER Storm LGR Extreme Storm Pro AIR MOVER 3 AIR MOVER 4 AIR MOVER Limited Warranty This limited warranty starts from the date of purchase. Alorair Solutions Inc. warrants to the original purchaser that this ALORAIR product is free from manufacturin...

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Specifications

Features	Storm LGR Extreme
Compressor Type	Scroll
Water Transport And Drain Option	✓
Refrigerant	✓
Condensate Pump	✓
HEV Defrosting	✓
Easy Handling	✓
Water Full Protection	✓
Environmentally Safe Refrigerant	✓
Automatic Humidistat Control	✓
Memory Setting	✓
Continuous Model	✓
Remote Control	✓
Low Temperature	✓
System Air Sensor	✓

Specifications

Specifications	Storm LGR Extreme
Power	120V/60Hz, 2000W
Current	5.8A/11.6A/17.3A/23.0A/28.8A
DEF	2.0L/min (0.53 US gal/min)
Size	19.1 x 12.2 x 10.1 in.
Weight	22.0 lb
Air Flow	215 CFM @ 0.50 in. WG
Refrigerant	R410A
Refrigerant Level	1.0L/0.26 US gal
Defrosting	HEV Defrosting
Defrosting Control System	Microprocessor
Defrosting Temperature Range	-20°C to 10°C
Humidity Control Range	30%RH to 90%RH
Capacity (100°F/37.8°C)	1.0L/0.26 US gal
Capacity (50°F/10°C)	0.5L/0.13 US gal
Capacity (32°F/0°C)	0.2L/0.05 US gal
Weight	22.0 lb (10.0 kg)
Dimensions	19.1 x 12.2 x 10.1 in.
Shipping quantity	20/1650KVA/10/2500/10/2500

Application

The Storm LGR Extreme is a professional grade dehumidifier designed for use in commercial and industrial applications. It is designed to remove moisture from the air in a wide range of environments, including basements, crawl spaces, and industrial facilities. The unit is designed to be used in a variety of applications, including:

- Basement dehumidification
- Industrial dehumidification
- Commercial dehumidification
- Residential dehumidification
- Industrial dehumidification
- Commercial dehumidification
- Residential dehumidification

Key Design Features

- HEV Defrosting System
- Refrigerant COP
- Refrigerant Control Panel (Designed only for Subcooled)
- Control Panel with Remote Access Point
- Quick Access to Pump and Drain Board
- Standard Size
- High Capacity with Low Current Draw

Additional Features

- Engineered for low temperature operation and low air flow
- Refrigerant Control Panel
- Refrigerant Control Panel
- Quick Access to Pump and Drain Board
- Standard Size
- High Capacity with Low Current Draw

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Storm LGR Extreme page cdr Administrator AlorAir This is a very compact dehumidifier ever produced for drying restoration while it has portable design easy transport Its stackable can not only 1556600133 alorair files product guides |||

Storm LGR Extreme Specifications Dehumidifier Features Compressor Type More Thorough, And More Quick Ducting options Condensate Pump HGV Defrosting Easy handling Water Full protection Environmental R410A Refrigerant Automatic humidistat control Memory Starting Continuous Model Remote Control Low ...

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Specifications

Features	Sentinel HD55
DEF	✓
Water Transport And Drain Option	✓
Refrigerant	✓
Condensate Pump	✓
HEV Defrosting	✓
Water Full Protection	✓
Environmentally Safe Refrigerant	✓
Automatic Humidistat Control	✓
Memory Setting	✓
Continuous Model	✓
Remote Control	✓
Low Temperature	✓
System Air Sensor	✓

Specifications

Specifications	Sentinel HD55
Power	120V/60Hz
Current	5.8A/11.6A/17.3A/23.0A/28.8A
DEF	2.0L/min (0.53 US gal/min)
Size	19.1 x 12.2 x 10.1 in.
Weight	22.0 lb
Air Flow	215 CFM @ 0.50 in. WG
Refrigerant	R410A
Refrigerant Level	1.0L/0.26 US gal
Defrosting	HEV Defrosting
Defrosting Control System	Microprocessor
Defrosting Temperature Range	-20°C to 10°C
Humidity Control Range	30%RH to 90%RH
Capacity (100°F/37.8°C)	1.0L/0.26 US gal
Capacity (50°F/10°C)	0.5L/0.13 US gal
Capacity (32°F/0°C)	0.2L/0.05 US gal
Weight	22.0 lb (10.0 kg)
Dimensions	19.1 x 12.2 x 10.1 in.
Shipping quantity	20/1650KVA/10/2500/10/2500

Application

The Sentinel HD55 is a professional grade dehumidifier designed for use in commercial and industrial applications. It is designed to remove moisture from the air in a wide range of environments, including basements, crawl spaces, and industrial facilities. The unit is designed to be used in a variety of applications, including:

- Basement dehumidification
- Industrial dehumidification
- Commercial dehumidification
- Residential dehumidification
- Industrial dehumidification
- Commercial dehumidification
- Residential dehumidification

Key Design Features

- HEV Defrosting System
- Refrigerant COP
- Refrigerant Control Panel (Designed only for Subcooled)
- Control Panel with Remote Access Point
- Quick Access to Pump and Drain Board
- Standard Size
- High Capacity with Low Current Draw

Additional Features

- Engineered for low temperature operation and low air flow
- Refrigerant Control Panel
- Refrigerant Control Panel
- Quick Access to Pump and Drain Board
- Standard Size
- High Capacity with Low Current Draw

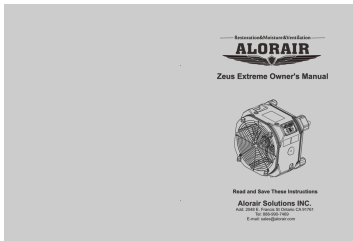
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[\[pdf\]](#) Specifications

AlorAir Sentinel HD55 Spec sheet cdr Administrator 1 This hanging kit works for the HD90 HDi90 and Storm LGR Extreme dehumidifier from floor joists in your crawl space 1602211793 alorair files product guides |||

Features cETL Compressor Type More Thorough, and More Quick Ducting options HGV Defrosting Easy hand ... MENT DEHUMIDIFIERS 1. This hanging kit works for the AlorAir Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme dehumidifier from the floor joists in your crawl space. 2. This pack comes with 4 ...

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E-mail: sales alorair.com AIR MOVER AIR MOVER 0 20.1*20.1*16.1in Storm LGR

Extreme Storm Pro AIR MOVER AIR MOVER 3 4 AIR MOVER AlorAir Warranty

Steps: 1. Once receive the goods, customers must log in www.a...

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Alorair Solutions INC. Add: 4240 Latham Street, Suite D, Riverside, CA 92501 Tel:

888-990-7469 E-mail: Sales alorair.com sales alorair.com 888-990-7469 Power

Supply: 110-120V, 60 Hz AC, Single Phase 240 HI Error E5 Error Code E4Error Code

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Specifications

Features	Sentinel HD55
cETL	✓
Compressor Type	✓
More Thorough, and More Quick	✓
Auto Defrosting	✓
Energy Saver	✓
Auto Shutting	✓
Water Not Production	✓
Environmental Friendly Refrigerant	✓
Advanced Humidity Control	✓
Memory Setting	✓
Energy Preheat Control	✓
Continuous Humidity	✓
Humidity Remote System	✓
Online Humidity Controller	✓
Low Temperature	✓
Expand Air Sensor	✓

Application

The Sentinel HD55 Dehumidifier has CE and cETL approval. With patent for invention protection, this unit is in the top list of energy efficient products. This unit has a wide range of applications including crawl spaces, basements, warehouses, offices, factories, shops, apartments, storage areas, restaurants, bars and nurseries where there is excess moisture and growth. It can also help to create damage by moisture and building maintenance due to dampness. Sentinel HD55 was introduced to provide one-stop service for your humidity problem. The presentability, external connection, connection point and auto setting feature make the installation process simple.

The remote handheld design makes this unit an ideal choice for places where remote sensing and controlling is required. Optional duct mounting hanger makes the installation even easier, corresponding to an existing ducting system.

Key Design Features

- Super COP
- 2-ALRAC115V(HVDC)
- Control Cables with Business Side Plate
- Quick Access for Service
- Breaker Box
- HVAC Remote System

Additional Features

- Engineered for low temperature operation and low air flow
- Heating coil and fan speed control
- Ducting options for crawl spaces
- Remote Control equipped

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1602814983 AlorAir Sentinel HD55 Spec sheet cdr Administrator Features Specifications 1 This hanging

kit works for the HD90 HDi90 and Storm LGR Extreme dehumidifier from floor joists in your crawl space

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Features cETL Compressor Type More Thorough, and More Quick Ducting options

Auto Defrosting Energy S ... MENT DEHUMIDIFIERS 1. This hanging kit works for

the AlorAir Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme

dehumidifier from the floor joists in your crawl space. 2. This pack comes with 4 ...

lang:en **score:48** filesize: 2.94 M page_count: 2 document date: 2020-11-17

Specifications

Features	Sentinel HD55
cETL	✓
Compressor Type	✓
More Thorough, and More Quick	✓
Auto Defrosting	✓
Energy Saver	✓
Auto Shutting	✓
Water Not Production	✓
Environmental Friendly Refrigerant	✓
Advanced Humidity Control	✓
Memory Setting	✓
Energy Preheat Control	✓
Continuous Humidity	✓
Humidity Remote System	✓
Online Humidity Controller	✓
Low Temperature	✓
Expand Air Sensor	✓

Application

The Sentinel HD55 Dehumidifier has CE and cETL approval. With patent for invention protection, this unit is in the top list of energy efficient products. This unit has a wide range of applications including crawl spaces, basements, warehouses, offices, factories, shops, apartments, storage areas, restaurants, bars and nurseries where there is excess moisture and growth. It can also help to create damage by moisture and building maintenance due to dampness. Sentinel HD55 was introduced to provide one-stop service for your humidity problem. The presentability, external connection, connection point and auto setting feature make the installation process simple.

The remote handheld design makes this unit an ideal choice for places where remote sensing and controlling is required. Optional duct mounting hanger makes the installation even easier, corresponding to an existing ducting system.

Key Design Features

- Super COP
- 2-ALRAC115V(HVDC)
- Control Cables with Business Side Plate
- Quick Access for Service
- Breaker Box
- HVAC Remote System

Additional Features

- Engineered for low temperature operation and low air flow
- Heating coil and fan speed control
- Ducting options for crawl spaces
- Remote Control equipped

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INDUSTRY • HOMES • STORES • RESTORATION
Crawl space & Basement Dehumidifier>>

[\[pdf\]](#) Specifications

1602815120 AlorAir Sentinel HD55 Spec sheet cdr Administrator Features Specifications 1 This hanging

kit works for the HD90 HDi90 and Storm LGR Extreme dehumidifier from floor joists in your crawl space

1603699254 alorair files product guides |||

Features cETL Compressor Type More Thorough, and More Quick Ducting options

Auto Defrosting Easy han ... MENT DEHUMIDIFIERS 1. This hanging kit works for

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lang:en **score:48** filesize: 2.95 M page_count: 2 document date: 2020-10-26

AlorAir Sentinel HD35P Specification 20230524 cdr Admin 56 1684992341 alorair files product guides ||| HD35P Features cETL/EnneergygySSStatrar CCoommprpersesorTTyyppee More Thorough, and More Quick A ... RS 1. This hanging kit works for the AlorAir Sentinel HD35P, Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme dehumidifier from the floor joists in your crawl space. 2. This pack comes with 4 ... lang:en score:43 filesize: 5.57 M page_count: 2 document date: 2023-05-25

AlorAir Sentinel HS35 Specification 20230823 cdr Admin 56 1692756834 alorair files product guides |||
 HS35 Features cETL/EnneergygySSatrar CCoommprpersesorTTyyppee More
 Thorough, and More Quick Au ... ging kit works for the AlorAir Sentinel HS35, Sentinel
 HD35P, Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme dehumidifier
 from the floor joists in your crawl space. 2. This pack comes with 4 ...
 lang:en score:43 filesize: 5.81 M page_count: 2 document date: 2023-08-23

Sentinel HD55 spec sheet cdr Administrator 1594776460 alorair files product guides |||

Feet Feet 33.8-104 INSTALLATION OF A SENTINEL Hd55 WITH A SUPPLY KIT

ONLY AlorAir Hanging Kits for Crawl Space Basement Dehumidifiers 1. This hanging kit works for the AlorAir Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme dehumidifier from the floor joists in your crawl space. 2. Th...

lang:en score:43 filesize: 9.69 M page_count: 2 document date: 2020-07-15



Specifications

Storm LGR Extreme Dehumidifier

Features	Storm LGR Extreme
WiFi	✓
APP Controller	✓
Smartphone Control	✓
Moisture Threshold, and Moisture Lock	✓
Auto Restart	✓
ECO Intelligent	✓
Energy Efficient	✓
Filter Replacement Indicator	✓
Alarm at Full Capacity	✓
Auto Restart when Full Capacity	✓
Continuous Drainage	✓
Removable Humidity Sensor	✓
Class A Energy Star	✓
Low Noise	✓
Quiet Operation	✓

Application

The dehumidifier can be connected and controlled by downloading the Storm LGR Extreme APP. You can use the app to monitor humidity through Bluetooth or Wi-Fi, and control the dehumidifier. It is also possible to set the humidity and auto restart.

How to use the Storm LGR Extreme APP on the smartphone and PC/Macbook: Connect your smartphone or laptop to the dehumidifier using the provided USB cable. The Storm LGR Extreme app will automatically install on your smartphone or laptop. After installation, you can use the app to monitor humidity through Bluetooth or Wi-Fi, and control the dehumidifier. It is also possible to set the humidity and auto restart.

How to use a storm LGR Extreme dehumidifier and features: **Storm LGR Extreme** has a variety of features that can be used to control the dehumidifier. The dehumidifier has a digital display that shows the current humidity level. You can use the dehumidifier to maintain the humidity level at a specific level. You can also use the dehumidifier to maintain the humidity level at a specific level. You can also use the dehumidifier to maintain the humidity level at a specific level.

Storm LGR Extreme dehumidifier has the following operating features:

- **Humidity Control:** Storm LGR Extreme has a digital display that shows the current humidity level. You can use the dehumidifier to maintain the humidity level at a specific level.
- **Auto Restart:** Storm LGR Extreme has an auto restart feature that will restart the dehumidifier when it reaches full capacity.
- **ECO Intelligent:** Storm LGR Extreme has an ECO Intelligent feature that will automatically adjust the dehumidifier's power consumption to save energy.
- **Energy Efficient:** Storm LGR Extreme has an Energy Efficient feature that will automatically adjust the dehumidifier's power consumption to save energy.
- **Removable Humidity Sensor:** Storm LGR Extreme has a removable humidity sensor that can be used to monitor humidity through Bluetooth or Wi-Fi.
- **Class A Energy Star:** Storm LGR Extreme has a Class A Energy Star rating, which means it is energy efficient.
- **Low Noise:** Storm LGR Extreme has a low noise level, which means it is quiet.
- **Quiet Operation:** Storm LGR Extreme has a quiet operation feature that will automatically adjust the dehumidifier's power consumption to save energy.





Smartphone



APP



Cloud



Wi-Fi

Key Design Features

- APP Controller
- Smartphone Control
- Moisture Threshold, and Moisture Lock
- Auto Restart
- ECO Intelligent
- Energy Efficient
- Filter Replacement Indicator
- Alarm at Full Capacity
- Auto Restart when Full Capacity
- Continuous Drainage
- Removable Humidity Sensor
- Class A Energy Star
- Low Noise
- Quiet Operation

Additional Features

• **Temperature Control:** Storm LGR Extreme has a temperature control feature that will automatically adjust the dehumidifier's power consumption to save energy.

• **Auto Restart:** Storm LGR Extreme has an auto restart feature that will restart the dehumidifier when it reaches full capacity.

• **ECO Intelligent:** Storm LGR Extreme has an ECO Intelligent feature that will automatically adjust the dehumidifier's power consumption to save energy.

• **Energy Efficient:** Storm LGR Extreme has an Energy Efficient feature that will automatically adjust the dehumidifier's power consumption to save energy.

• **Removable Humidity Sensor:** Storm LGR Extreme has a removable humidity sensor that can be used to monitor humidity through Bluetooth or Wi-Fi.

• **Class A Energy Star:** Storm LGR Extreme has a Class A Energy Star rating, which means it is energy efficient.

• **Low Noise:** Storm LGR Extreme has a low noise level, which means it is quiet.

• **Quiet Operation:** Storm LGR Extreme has a quiet operation feature that will automatically adjust the dehumidifier's power consumption to save energy.

High Capacity, Constant Low-Temperature Performance For Professional Moisture Damage And Control Solutions

Commercial Dehumidifier >>

[\[pdf\]](#) Specifications Warranty

Wi Fi Storm LGR Extreme Red Administrator ALORAIR Smart WiFi Commercial Dehumidifier with Pump
180 PPD at AHAM 5 Years Warranty cETL Listed Memory Starting for Damage Restoration Crawlspace
and Basement Drying Specification Sheet AlorAir C1xLYOvUoeS m media amazon images I
Specifications Storm LGR Extreme Dehumidifier Features cETL APP controller
Compressor Type More Thorough, and More Quick Ducting options Condensate
Pump HGV Defrosting Easy handling Water full protection Environmental R410A
Refrigerant Automatic humidistat control Memory Starting Rare earth alloy ...
lang:en score:41 filesize: 7.97 M page count: 2 document date: 2020-07-14

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[\[pdf\]](#) Specifications

AlorAir Sentinel HS35 Specification 20230328 cdr Admin 56 Sheet AlorAir® 70 Pint Energy Star Crawl
Space Dehumidifier 1684993777 20230525 alorair files product guides |||
HS35 Features cETL/EnneergyrygSSatatr CCoommprrpersesorTTyyppee More
Thorough, and More Quick Au ... ging kit works for the AlorAir Sentinel HS35, Sentinel
HD35P, Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme dehumidifier
from the floor joists in your crawl space. 2. This pack comes with 4 ...
lang:en score:41 filesize: 6.03 M page count: 2 document date: 2023-05-25

More simple, More Smart

New AlorAir – R APP Wi-Fi Connection Guide

For Android and Apple users. We support android and iPhones on the same

ALORAIR

Download and install AlorAir-R from the App Store or Google Play Store.

How it works?

- 1 Sign up and login your account.
- 2 Find your administration master (you can find it on the APP).
- 3 Follow the steps on the APP, and you will receive the APP key.

- 4 Follow the App steps to reset your device

Press the "RESET" key and the "YES" key at the same time for 5 seconds.

[\[pdf\]](#) [Installation Guide](#) [Troubleshooting Guide](#) [Guide](#)

AlorAir R APP WI FI connection guide suitable for simple digital display control panel compatible with IOS and Android cdr seven Aloriar Lite Wifi App alorair assets website app |||

V1 More simple, More Smart New AlorAir -R APP WI-FI Connection Guide For Android and Apple users, the operation method and process are the same. Download and install AlorAir-R from the App Store or Google Play Store. 1 Sign up and login your account. How it works Find your dehumidifier model. 2...

lang:en score:40 filesize: 2.69 M page count: 2 document date: 2023-07-15

Specifications

Features	Sentinel HD55	Sentinel HD55
2 in.	✓	✓
Collector Type	Heavy	✓
Easy Through Air Side Shut	✓	✓
Ducting options	✓	✓
HGV Defrosting	✓	✓
Easy handling	✓	✓
Water full protection	✓	✓
Environmental R410A Refrigerant	✓	✓
Automatic shutdown control	✓	✓
Remote control	✓	✓
Easy Freeze Thawing	✓	✓
Continuous Run	✓	✓
Compact Design	✓	✓
Easy to install	✓	✓
Low Humidity	✓	✓
Support Air Split	✓	✓

Application

The Sentinel HD55 Dehumidifier has CE and cETL approved. With patent for invention protection, the unit is in the top list of energy efficient products. This unit has a wide range of applications including crawl spaces, basements, apartments, offices, schools, shops, warehouses, storage areas, restaurants, bars and more. The Sentinel HD55 is ideal for use in any area where moisture is a problem. The unit is also ideal for use in areas where moisture is a problem. The unit is also ideal for use in areas where moisture is a problem.

Key Design Features

- Fast Start Defrosting System
- Super COP
- 2-ALWAYS (Always)
- Compact Design with Remote Side Plate
- Quick Access for Service
- Electrical Box
- HVAC Remote System

Additional Features

- Designed for low temperature operation and low air flow
- Insulated for crawl spaces
- Ducting options for crawl spaces
- Remote control included

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INDUSTRY - HOMES - STORES - RESTORATION
Crawl space & Basement Dehumidifier>>

[pdf] Specifications

Sentinel HD55 spec sheet cdr Administrator AlorAir cETL Compressor Type More Thorough and Quick Ducting options HGV Defrosting Easy handling Water full protection Environmental R410A Refrigerant 1594799481 Specification Sheet alorair files product guides

Features cETL Compressor Type More Thorough, and More Quick Ducting options HGV Defrosting Easy hand ... ment Dehumidifiers 1. This hanging kit works for the AlorAir Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme dehumidifier from the floor joists in your crawl space. 2. This pack comes with 4 ... lang:en score:38 filesize: 3.06 M page_count: 2 document date: 2020-07-15

For the version without covering, please contact: sales@alorair.com

ALORAIR
Storm LGR Extreme
Installation & Operations Manual

[pdf] Parts List

AlorAir Storm LGR Extreme Parts List 1681524619 1657608311 alorair files product guides |||

... lang:en score:38 filesize: 3.54 M page_count: 1 document date: 2023-04-15

[pdf] Guide

alorair Storm LGR Extreme user guide cdr pc Add 4240 Latham Street Suite D Riverside CA 92501 Tel 888 990 7469 E mail Sales@alorair Alorair Solutions INC 1563180120 productPdfDownload 28 s Alorair Solutions INC. Add: 4240 Latham Street, Suite D, Riverside, CA 92501 Tel: 888-990-7469 E-mail: Sales alorair.com sales alorair.com 888-990-7469 Power Supply: 110-120V, 60 Hz AC, Single Phase 240 HI Error E5 Error Code E4Error Code f ... lang:en score:37 filesize: 4.32 M page_count: 8 document date: 2019-06-08

[pdf] Warranty

1 Administrator Data Plate ALORAIR LGR Industrial Commercial Dehumidifier Auto Shut Off with Pump 5 Years Warranty Compact cETL Listed up to 180 PPD Saturation for Garages and Flood Restoration 1657608311 AlorAir Storm Extreme alorair files product guides ||| AlorAir Dehumidifier Model#: Storm LGR Extreme Power Supply: 110/120 VAC, 60 Hz, 5.62 Amps Thermally Protected Motors Refrigerant: R410a, 21.0 Ounces Maximum Design Pressure: 35 Bar High Side.....15 Bar Low Side Capacity: 85 PPD 80F, 60 RH C US Intertek 4007648 CONFORMS TO UL STD.474 ... lang:en score:37 filesize: 63.59 K page_count: 1 document date: 2022-07-06

[pdf]

zeus Extreme page cdr Administrator AlorAir ALORAIR ZEUS With PATENT PENDING Technology 1 Breaker CKT 12A 2 Switch On Off 3 Outlet GFCI 15A 4 Grill Intake 5 1556415250 alorair files product guides The Alorair Zeus Axial air mover features patent pending FUSION ENERGY technology revolutionizes evaporative drying by View ||| ALORAIR ALORAIR Axial Air Mover ZEUS Extreme With PATENT PENDING Technology UNLIMITED SOLVE THE PR ... Extreme ZEUS Extreme ZEUS Extreme ZEUS Extreme ALORAIR Storm LGR Extreme ALORAIR Storm Pro Tilt Forward Tilt Back Control Panel Parallel Ducting Opint... lang:en score:37 filesize: 687.89 K page_count: 1 document date: 2019-04-28

Restoration/Moisture & Ventilation

ALORAIR

AlorAir Dehumidifier

Model#: Storm LGR Extreme

Power Supply: 110/120 VAC, 60 Hz, 5.62 Amps

Thermally Protected Motors

Refrigerant: R410a, 21.0 Ounces

Maximum Design Pressure: 35 Bar High Side.....15 Bar Low Side

Capacity: 85 PPD @ 80 F, 60% RH

Serial Number: S86398 Made in P.R.C.

Manufactured date: 2019-04-16

Add: 14752 Yorba Ct China CA 91710 US Tel:888-990-7469

ALORAIR

Storm LGR Extreme

Installation & Operations Manual

READ AND SAVE THESE INSTRUCTIONS

Alorair Solutions INC.

4240 Latham Street, Suite D, Riverside, CA 92501

1-888-990-7469

E-mail: Sales@alorair.com

ALORAIR

ZEUS Extreme

AXIAL AIR MOVER

1556415250

1 Breaker CKT 12A 2 Switch On Off 3 Outlet GFCI 15A 4 Grill Intake 5

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The Alorair Zeus Axial air mover features patent pending FUSION ENERGY technology revolutionizes evaporative drying by View |||

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ZEUS Extreme

AXIAL AIR MOVER

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1 Breaker CKT 12A 2 Switch On Off 3 Outlet GFCI 15A 4 Grill Intake 5

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lang:en score:35 filesize: 6.41 M page_count: 2 document date: 2019-08-13

