

# STORM SLGR 850X Commercial Dehumidifier

HIGH CAPACITY, COMPACT, LOW TEMPERATURE DEHUMIDIFIERS FOR PROFESSIONAL USES, WATER DAMAGE CONTROL FOR SITE & HIRE INDUSTRY

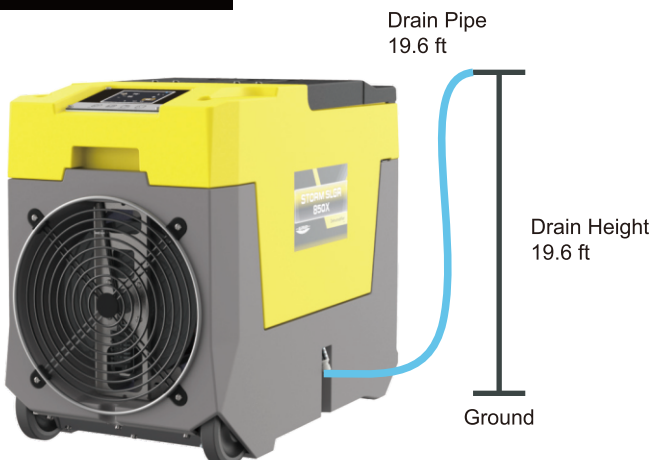
## APPLICATION

**Storm SLGR 850X** New generation surface scratch resistance polyethylene shell 25% more than the previous generation. With the new design and layout of the machine, the volume of the whole machine is 40% smaller than others on the market. The all-new rotating shell design is easy to maintain and allows for easy access to all components. Telescopic handles and rubber tires allow for units to be stacked together for both storage and easy transportation. Simplified user controls include a large LCD display and APP control. The App can control the dehumidifier remotely anytime and anywhere, thus trips to the site to check up can be eliminated.

**Storm SLGR 850X** passed professional testing and its feedback resulted in an amazing outcome. Its wide range of applications include the Hire Industry, Building Industry, Plasterers, Flood & Restoration, Carpet Cleaning, Tradesmen, etc... or anywhere you need to extract moisture at a professional level.

Now let us take a close look at the unit's specification and features. **Storm SLGR 850X** has an extremely driving water removal capacity which makes the machine the authorized one for restoration needs. It features great COP at 3.0 L/Kwh, With a huge capacity of 85 PPD at AHAM RH, while the current draw is 4.41 amps. Installation flexibility makes the unit ideal for almost any application. No conventional dehumidifier can perform as efficiently and effectively for water damage restoration as **Storm SLGR 850X**.

## Built in Pump



## SLGR PRECOOLING CIRCUIT TECHNOLOGY

### AUXILIARY FLOW PATH

The auxiliary expansion device receives the refrigerant liquid from the condenser and expands it to lower both the temperature and the pressure of the refrigerant liquid. The sub-cooler receives the cold liquid refrigerant from the auxiliary expansion device and evaporates it into the cold gas cold air. The body refrigerant is returned to the compressor to complete the refrigeration cycle.

### EXTERNAL CIRCULATION PRINCIPLE

The humid air reaches the saturated steam state after passing through the microchannel pre-cooler, and the evaporator cools the air to below the dew point, hence increasing the water vapor condensation rate to a liquid, therefore, dehumidifying the air. The dehumidified air is heated by the condenser, then discharged.

### SPECIFICATIONS

**Power :** 220V/50Hz  
**Current :** 4.41 Amps  
**COP :** 3.0 L/Kwh  
**Size For :** Up to 2,300 sq.ft  
**Filter :** MERV - 8 Filter  
**Air flow :** 210 CFM, 350 CMH  
**Sound Pressure Level :**  
 < 58 dBA  
**Refrigerant :** R290

**Wheel :** 2 Wheels  
**Draining :** Condensate Pump  
 Functioning Temperature: 1-40° C  
**Functioning Humidity Range:** 25-80%  
**Capacity:** 85 PPD at AHAM  
**Weight:** 28 KG  
**Dim (LxWxH) :** 540x295x440mm  
**Loading quantity :** 20":180 Sets/  
 40":412 Sets/40"HQ:515 Sets

### FEATURES

- CE Certified
- Smart Wi-Fi & APP control
- Easy clean the shell can be opened to access all components
- Easy to store wires and hoses
- Ducting Options
- Built-in Condensate Pump
- Environmental R410A Refrigerant
- Sturdy handle- and Wheels
- Microchannel Cold a Heat Exchanger
- Rotational Molded Body
- Superior Stacking
- Rotary Compressor
- Ducting Options
- Water-Full Protection
- Automatic Humidistat Control
- Quick Connection to Cable/Hose
- Memory Starting
- MERV-8 Filter
- Low Temperature

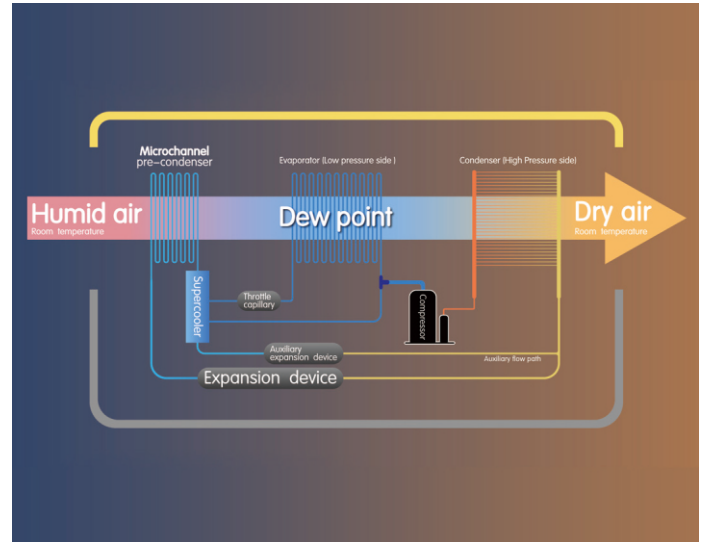
# STORM SLGR 850X Commercial Dehumidifier

## WHY DEHUMIDIFY?

- To reduce the relative humidity to a safer level which prevents household items, food, medicine, and books get moldy.
- To reduce the relative humidity to a safer level which protects household appliances, computers, cameras, and other instruments from moisture damage.
- To reduce the relative humidity to a safer level which prevents the long-term humidity of the crawl space or basement from generating moisture in the wood of the house structure to cause rot and damage.
- To reduce the relative humidity to a safer level which lets the house stay away from pest infestation.
- To reduce the relative humidity to a safer level which avoids excessive humidity in a space where its easy for mold, mildew, and fungus to thrive.

## WHAT CAN WE BENEFIT FROM A HIGH COP DEHUMIDIFIER?

AlorAir High COP Dehumidifiers are affordable solutions to your humidity problems. This investment in indoor air quality and inner comfort can be paid back by a few year's energy savings. Customers can save up to \$250 per year in energy cost with dehumidifiers working for their families! And that doesn't include



the savings from using thermostats instead of air conditioning. Once you are able to maintain a consistent relative humidity of 50% or less, you will no longer have to keep the thermostat at low, uncomfortable temperatures once used in an effort to control humidity.



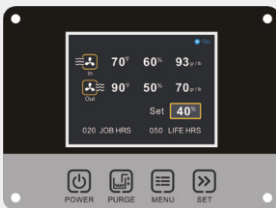
Smart Wi-Fi / APP Control



Easy Filter Access



Superior Stacking



LCD Display



Easy Cord & Hose Storage



Fold- Down with  
Wheels for Transport

This is a very compact dehumidifier that is produced for drying restoration. This unit features a portable design for easy transportation. It's stackable design can not only save the flood restorer more space but also make more numbers of the Units that have been transported to the destination for after flood restoration tasks.

As for the tough environment that flood disasters might have, Storm SLGR 850X is designed built with rugged rotomolded housing which is of high-quality industrial material. It is rugged enough to endure severe collision and corrosion found in water damage restoration and construction.

As the unique design compared with others, we have the humidity sensor in bypass air design which makes the short-cycling go away and creates quick access to the pump and main board. Customers can do it by themselves and service become easy. Preassembly makes the installation process simple, thereby it reduces the overall installation and project cost.

Storm SLGR 850X is leading the industry by introducing **Rare earth alloy Tube Evaporator**. This new feature will extend the life of the coils, providing protection in corrosive environments and maintain the coil's heat transfer ability over the life of the coil.