



# SPP6A Dehumidifier

## KEY DESIGN FEATURES



- Concealed Control Humidistat
- Pre-set High RH Humidistat (60%)
- Remote Indicator Panel
- Free Standing, Collapsible Stand
- Convenient Drain Point For Condensate Hose
- Epoxy Powder Coated Steel Construction
- EIP's Unique Hot Gas Temperature Sensitive Defrost
- Rugged Military Style Handles
- Adjustable Tilt Guides For Uneven Floors
- Totally Enclosed Coils

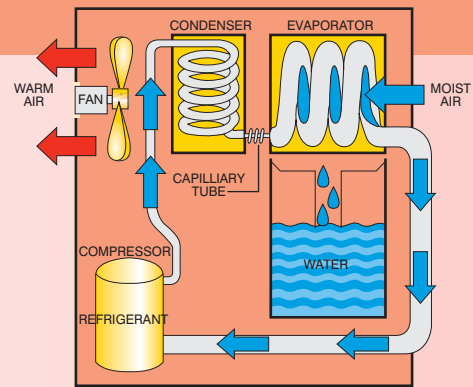
HIGH CAPACITY • LOW TEMPERATURE • INDUSTRIAL INSTITUTIONS • RENTALS  
CRAWL SPACES

## SPECIFICATIONS

| SPECIFICATIONS                  |                       | FEATURES                              |                     |
|---------------------------------|-----------------------|---------------------------------------|---------------------|
|                                 | SPP6A<br>11398GY-US   |                                       | SPP6A<br>11398GY-US |
| Height                          | 10" (254mm)           | On/Off Control Via Humidistat         | ✓                   |
| Width                           | 11.8" (300mm)         | Adjustable Control Humidistat         | ✓                   |
| Depth                           | 18.5" (470mm)         | Preset "High RH" Humidistat (60%)     | ✓                   |
| Weight                          | 55 lbs (25kg)         | Collapsible Stand                     | ✓                   |
| Voltage V / P / Hz              | 110 / 1 / 60          | Temperature Sensitive Deforst         | ✓                   |
| Current                         | 5A                    | Fitted Mains Plug                     | ✓                   |
| Power                           | 510W                  | Free Standing                         | ✓                   |
| Airflow                         | 247cfm<br>(419m3/hr)  | Electronic Thermostat Defrost Control | ✓                   |
| Noise Level                     | 52dba                 | Compressor Type                       | Rciprocating        |
| Refrigerant                     | R290                  | Gravity Permanent Drain Facility      | ✓                   |
| Effective Volume                | 3,000 cu.ft<br>(85m3) | HotGas Defrost System                 | ✓                   |
| Typical Extraction @ 80°F 60%RH | 11 ppd                | Rubber Anti Vibration Feet            | ✓                   |
|                                 |                       | Rugged Caying Handles                 | ✓                   |
| Min Operating Temperature       | 33°F (1°C)            | Remote Indicator Box                  | ✓                   |
| Max Operating Temperature       | 131°F (55°C)          | Drying Indicator                      | ✓                   |
|                                 |                       | High RH Indicator                     | ✓                   |
|                                 |                       | Epoxy Powder Coated Chassis           | ✓                   |
|                                 |                       | 10ft Length Of 1/2 I/D PVC Tubing     | ✓                   |

## HOW A DEHUMIDIFIER WORKS

1. Air is drawn into the unit by a fan
2. Air passes over a cold surface
3. As the air is cooled, it's moisture condenses
4. Water falls into the container
5. Air is re-heated by the heat recovery system
6. Air passes back into room 2°C warmer and considerably dryer
7. Defrost system automatically de-ices unit as necessary
8. Unit switches off automatically when container is full
9. When the unit achieves the selected level of dryness it switches off automatically



## APPLICATION

The EIPL SPP6A portable dehumidifier has been designed to be used over a wide temperature range, and combines lightness, compactness with high reliability.

Originally designed to be extensively used in container bodies, where sensitive equipment is installed. The SPP6A will maintain low humidity levels in all storage conditions.

The Free Standing collapsible stand allows the equipment to be installed in "Tented Storage" of military vehicles. The small compact design makes the unit the ideal choice for installation within most armored vehicles whilst in storage. You can rely on this durable unit to perform faithfully without complicated maintenance or costly downtime.

## PROVEN PERFORMANCE

For over 40 years EIPL have been a supplier of military grade dehumidifiers and air conditioning to the Military and Rail Industries.

Once the SPP6A is positioned inside the storage area, the required level of humidity can be selected by adjusting the humidity control knob to the appropriate setting. Operation is then automatic. The unit is supplied with a monitor box which is positioned on the outside of the dehumidified area. The monitor box incorporates indicator lamps which show: • Power on • Dehumidified running • High Humidity Warning Lamp. The monitor box allows the operating status of the dehumidifier to be confirmed without needing to enter the dehumidified area.

## THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The EIPL range of units are high capacity dehumidifiers, made to operate at high efficiencies by removing moisture from the air through the refrigeration process. The fan draws the moist air through the cold evaporator coil, which cools the air below its dew point. Moisture forms on the evaporator coil and is collected in the condensate tray, which is equipped with an internal condensate pump for easy removal of collected moisture.

The cooled air then passes through the hot condenser coil where it is reheated using the same energy removed during the cooling phase, plus the additional heat generated by the compressor. The air is, therefore, discharged from the dehumidifier at a slightly higher

## THE PROBLEM

Excess humidity in your crawl space, warehouse, office factory or shop results in corrosion, mold growth and rotting. Enormous costs are incurred every year through damage to inventory and through inflated building maintenance costs as a result of dampness. Even if your building seems dry during the day, at night when the temperature falls the humidity rises and the condensation process begins. The compact physical size, and high performance, makes the EIPL SPP6A dehumidifier family the ideal choice for small spaces.

temperature with a lower absolute humidity than that which entered. Continuous circulation of air through the dehumidifier gradually reduces the relative humidity within the area. Because the CD ranges of units are equipped with an internal humidistat, they automatically switch on and off to save energy and expense by maintaining the desired level of humidity with intermittent operation.

The additional features of the SPP6A make the unit the ideal choice for installations where remote monitoring is required. The remote indicator panel can be mounted outside the equipment being dried, therefore allowing monitoring, without having to disturb the drying process.

| APPLICATIONS               | SPP6A |
|----------------------------|-------|
| Military Equipment Storage | ✓     |
| Warehouses                 | ✓     |
| Basements                  | ✓     |
| Factories                  | ✓     |
| Oil Rigs                   | ✓     |
| Stadiums                   | ✓     |
| Ships / Barges             | ✓     |
| Agriculture                | ✓     |
| Storage Areas              | ✓     |



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