

## SPECIFICATIONS

SPECIFICATIONS	HGR1500
Model No.	10272GR-US
Height	21.5" (545mm)
Width	21" (536mm)
Depth	35.5" (904mm)
Weight	165 lbs (75kg)
Voltage	110 V
Phase	1
Frequency	60 Hz
Current	8 A
Power	900W
Airflow	295cfm (500m3/hr)
Noise Level	57 dba
Refrigerant	R407C
Effective Volume	10,594 cu.ft (300m3)
Typical Extraction	105 ppd
Minimum Operating Temperature	33°F (1°C)
Maximum Operating Temperature	105°F (40°C)

FEATURES	HGR1500
MODEL NO.	10272GR-US
On / Off Control	✓
Temperature Sensitive Defrost Control	✓
Compressor Type	Rotary
Reverse Cycle Defrost System	✓
Power Cord With Fitted Plug	✓
Epoxy Powder Coated Panels	✓
Quiet Operation	✓
Low Amp Draw	✓
Internal Condensate Pump	✓
Remote Humidistat Facility	✓
2 Speed High Capacity Fan	✓
Washable Filter	✓
Hours Run Meter	✓
Duct attachment included	✓
Quick Release Hose Connector	✓
Easy Access Control Box	✓

## APPLICATION

The EIPL HGR1500 Dehumidifier is the base model from the new family of High Grain Refrigerant dehumidifiers. These high capacity, low amp draw units are the future of dehumidification, providing the ultimate in extraction for minimal running costs. The two stage cooling ensures high capacity drying even in low humidity applications.

## KEY DESIGN FEATURES

- Two stage cooling with supplementary "Air to Air" heat exchange.
- High Static Backward Curved Fan.
- High efficiency, Low Amp Draw Rotary Compressor.
- Inlet and Outlet on the same face
- Internal High Lift Condensate Pump.
- Temperature Sensitive Defrost control for optimum performance.
- Reverse cycle defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures.
- Washable Air Filter.



# HGR1500 DEHUMIDIFIER



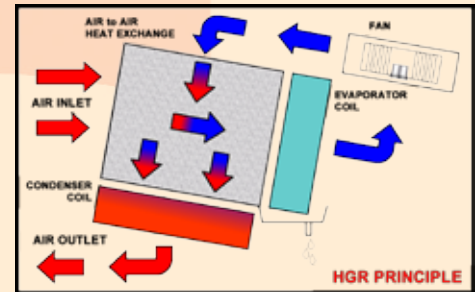
A FULL RANGE OF, HIGH CAPACITY, LOW TEMPERATURE DEHUMIDIFIERS FOR HVAC INSTALLATIONS

# HOW THE HGR DEHUMIDIFIER WORKS

Humid air is drawn into the dehumidifier and passes through an "Air to Air" Heat Exchange.

This process precools / dries the air, before being passed over the Evaporator coil, where any moisture present will be removed. This cool dry air then passes back through the Air to Air Heat Exchange, in the opposite direction, providing the cooling for the incoming air.

After passing over the Condenser Coil, which reheats the air, the Warm "Super Dry Air" leaves the dehumidifier.



## PROVEN PERFORMANCE

The EIPL HGR1500 produces drier air than a standard refrigeration type dehumidifier. This is only possible with a secondary pre-cooling method, in the HGR1500 case, an Air to Air Heat Exchange. The refrigeration system of the HGR1500 is fine tuned to ensure the leaving air is at it's lowest possible relative humidity, thereby ensuring the maximum drying performance, for lowest running costs.

The high capacity backward curved fan will maximize air delivery over long distances. Whenever there is a need for fast dependable, energy-efficient drying, EIPL can provide the answer. The high efficiency rotary compressor ensures the maximum extraction with the lowest running costs.

## APPLICATIONS

### MODEL NO.

Flood & Restoration
Roof Leaks
Basements / Cellars
Rental Yards
Vehicle Storage
Hotels / Guest Houses
Stores
Home Systems
Laboratories
Offices

## THE PROBLEM

EIPL is a recognized world wide supplier of flood restoration drying equipment. We offer a variety of dehumidifiers and air movers to remove water and assist with drying areas after water damage. Following a flood, whether it is in your basement or office, it's vitally important to restore the damaged area to good order as soon as possible to protect your health from microorganisms, mold and bacteria that may grow and ultimately prevent further damage. Whether it is a flash flood, hurricane, heavy rains or water main break, EIPL has the equipment to handle the harshest environments and assist with proper restoration.

## THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The HGR1500 dehumidifier, with it's two stage cooling process and temperature sensitive defrost control, ensures optimum performance throughout the unit's full operating temperature range.

Moisture is removed from the air through an efficient refrigeration process. The fan draws the moist air through and "Air to Air" heat exchange, where the incoming air is pre-cooled. The air is then drawn through the evaporator coil which further cools the air below it's dew point. Moisture forms on the evaporator coil and is collected in the condensate tray. 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 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.



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