

## SPECIFICATIONS

Specifications	FreeStar
Model No.	10283GR-US
Height	38" (965mm)
Width	24" (609mm)
Depth	19" (482mm)
Weight	160lbs (72kg)
Voltage	110V
Phase	1
Frequency	60 Hz
Current	8 A
Power	900 W
Airflow	538cfm (914m3/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	FreeStar
Model No.	10283GR-US
On / Off Control	✓
Temperature Sensitive Defrost Control	✓
Compressor Type	Rotary
Fitted Mains GFI Plug	✓
Reverse Cycle Defrost System	✓
25' Length Power Cord	✓
Epoxy Powder Coating	✓
Quiet Operation	✓
Low Amp Draw	✓
Internal Humidistat	✓
Facility for Remote Humidistat	✓
Integral Condensate Pump	✓
Quick Release Hose Coupling	✓
25' Length of PVC Drain Hose	✓
2 Stage Cooling	✓
Replaceable Filter	✓
Adjustable Feet	✓
Status Indicators	✓

## APPLICATION

The EIPL FreeStar commercial / industrial dehumidifier was designed to provide energy efficient humidity control in a wide range of applications, including offices, laboratories, apartments, storage areas, restaurants, bars, museums, locker rooms, computer telecommunication rooms and basements. It is a quiet, high efficiency, high capacity unit designed to suite your HVAC needs.

## KEY DESIGN FEATURES

- High Capacity, High Efficiency (EER 10.8).
- Two stage cooling & drying.
- Low Amp Draw.
- Washable Inlet Filter.
- High Static Backward Inclined Fan.
- Adjustable Feet.
- Ground Fault Interrupter.
- Internal High Capacity Condensate Pump.
- Drying & Defrost Indicator Lamps.
- Internal / External Humidistat Options.
- Epoxy Power Coated Chassis.
- EIPL's unique "Reverse Cycle" defrosting system, for effective operation in low ambient temperatures.

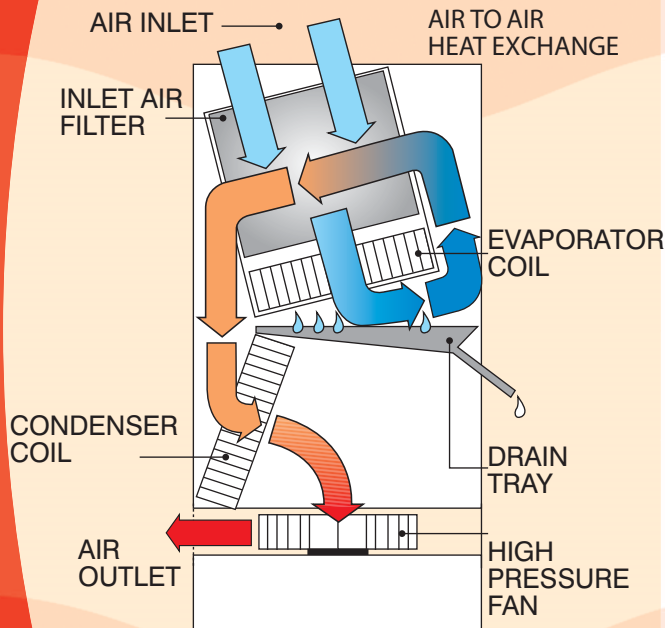


# FREESTAR DEHUMIDIFIER



**A FULL RANGE OF HIGH CAPACITY LOW TEMPERATURE DEHUMIDIFIERS FOR INDUSTRY, INSTITUTIONS, RENTAL HOMES**

## AIR PATHS THROUGH THE UNIT



## PROVEN PERFORMANCE

Because of EIPL's unique "Reverse Cycle" defrosting feature, the FreeStar will function smoothly in temperatures down to 33°F without frost build-up. The temperature sensitive defrost control ensures optional performance across all conditions. The FreeStar incorporates an "Air To Air" Heat Exchange which provides a secondary level of pre-cooling and drying. 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.

## 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 FreeStar the ideal choice.

Applications	FreeStar
Model No.	10283GR-US
Warehouse	✓
Basements	✓
Factories	✓
Sports Halls	✓
Storage Areas	✓
Laboratories	✓
Oil Rigs	✓

Applications	FreeStar
Model No.	10283GR-US
Agriculture	✓
Kitchens	✓
Pumping Stations	✓
Hotel / Motel	✓
Stadiums	✓
Ships / Barges	✓

## THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The FreeStar 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 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 FreeStar range 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



Ebac Industrial Products Incorporated, 700 Thimble Shoals Blvd.  
Suite 109, Newport News, VA 23606-2575

Tel: (757) 873-6800 Fax: (757) 873-3632 www.ebacusa.com

