

# CD85 DEHUMIDIFIER

## SPECIFICATIONS

SPECIFICATIONS	10293GR-US
Height	15.75" (400mm)
Width	23.6" (600mm)
Depth	13.5" (345mm)
Weight	75 lbs (34kg)
Voltage	110 V
Phase	1
Frequency	60 Hz
Current	7 A
Power	880W
Airflow	360cfm (608m3/hr)
Noise Level	57 dba
Refrigerant	R407c
Effective Volume	8,369 cu.ft (237m3)
Typical Extraction	56 ppd
Min Operating Temperature	33°F (1°C)
Max Operating Temperature	95°F (35°C)

FEATURES	10293GR-US
On/Off Control	✓
Temperature Sensitive Defrost Control	✓
Compressor Type	Rotary
Fitted Mains Plug	✓
Anti Vibration Rubber Feet	✓
Configurable Inlet and Outlet Positions	✓
High Capacity Backward Curved Fan	✓
Status Indicators	✓
Adjustable Control Humidistat	✓
Hot Gas Defrost System	✓
Filter	✓
Condensate Pump	✓
Internal Float Switch	✓
Quick Disconnect Hose Coupling	✓
10' Length of PVC Drain Hose	✓
Epoxy Powder Coating	✓

## APPLICATION

The EIPL CD85 commercial / industrial dehumidifier has been 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, basements and crawl spaces. It is a quiet, high efficiency, high capacity unit designed to suit your HVAC needs. The configurable inlet and outlet positions ensures flexibility for all applications.

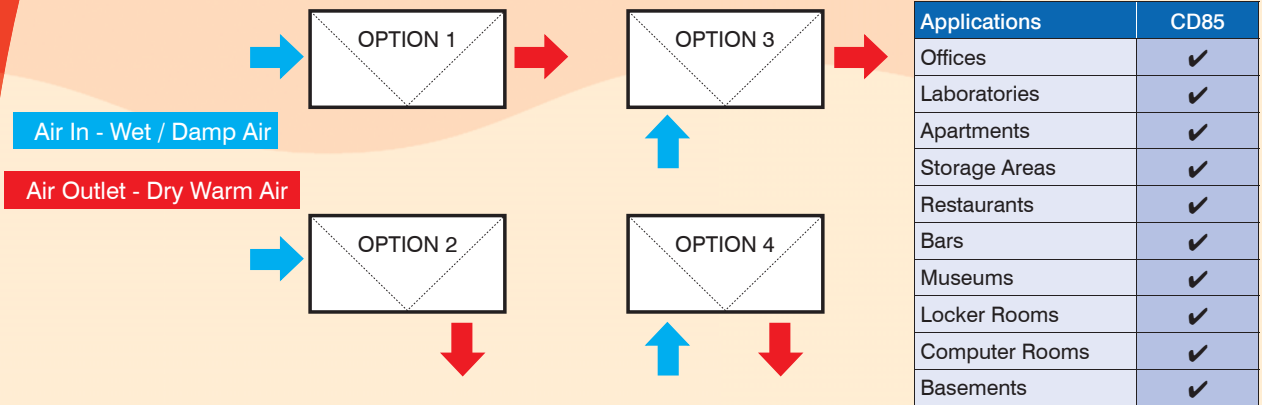
## KEY DESIGN FEATURES

- Adjustable control humidistat to maintain the level of dryness
- A convenient drain point for condensate collection of hose attachment
- Configurable Inlet and Outlet positions
- Inlet Filter
- EIP's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures
- Rugged, epoxy powder-coated steel chassis and housing.
- Simplicity of installation and operation with a standard 115V plug
- Extra long power cord.
- High capacity, fully automatic, condensate pump



**HIGH CAPACITY, LOW TEMPERATURE DEHUMIDIFIERS  
FOR INDUSTRIAL INSTITUTIONS, RENTALS AND HOMES**

## FLEXIBLE INLET / OUTLET COMBINATIONS



### PROVEN PERFORMANCE

The EIPL CD85 dehumidifier is a stand alone solution to your humidity problem. The unit is supplied with a humidistat, extra long power cord and long condensate tube. This preassembly makes the installation process simplistic, thereby reducing the overall installation and project cost. The high efficiency Rotary compressor ensures the maximum extraction with the lowest running costs. Rubber Anti vibration feet ensure any running / operation noise is kept to a minimum.

### 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 CD85 is the ideal choice for areas which require humidity control.

### THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The CD ranges 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 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 CD85 make the unit the ideal choice for all installations. The internal condensate pump ensures the unit is capable of pumping water to higher drainage points.

