

ECO85 DEHUMIDIFIER

SPECIFICATIONS

Specifications	ECO85
Model No.	10298GR-US
Height	27.5" (700 mm)
Width	19" (480 mm)
Depth	15" (390 mm)
Weight	81 lbs (37 kg)
Voltage	110 V
Phase	1
Frequency	60 Hz
Current	6.6 A
Power	750 W
Airflow	225 cfm (381m3/hr)
Noise Level	57 dba
Refrigerant	R407c
Effective Volume	8,827 cu.ft (250 m3)
Typical Extraction	60 ppd (30 l/d)
Maximum Extraction	150 ppd (71 l/d)
Minimum Operating Temp	35°F (3°C)
Maximum Operating Temp	100°F (37°C)

FEATURES	10298GR-US
On / Off Control	✓
Electronic Defrost Control	✓
Compressor Type	Rotary
Fitted Mains Plug	✓
Semi-Pneumatic Shock Absorbing Tyres	✓
Integral Condensate Pump	✓
High Capacity Backward Curved Fan	✓
Pump Purge Switch	✓
Hours Run Meter	✓
Hot Gas Defrost System	✓
Washable Air Filter	✓
Quick Release Hose Coupling	✓
Collapsible Handles	✓
25' (7.5m) Length of PVC Drain Hose	✓
Cable Wrap Facility	✓
Quiet Operation	✓

APPLICATION

The ECO85 Dehumidifier is another addition to the EIPL range of "Eco Friendly", Carbon reducing, range of dehumidifiers. The ECO85 has a maximum l/kWh (water extraction per kW of power consumed) of 3.3 l/kWh. This is achieved by utilizing a high capacity rotary compressor and environmentally friendly R407c refrigerant. The robust collapsible handle and semi-pneumatic tyres ensures transport and maneuverability are not compromised. It's lightweight yet robust design is ideal for commercial and residential work. Its compact size permits one-man operation, yet it has the capacity to handle several room-size areas at a time. Best of all, it's affordably priced within the budget of most restoration specialists. The Hours Run Meter provides an accurate means of measuring power consumed, allowing jobs to be easily and quickly evaluated when requested by insurance companies.

KEY DESIGN FEATURES

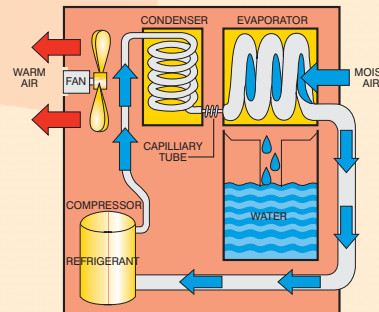
- Washable Air filter for easy maintenance
- Rugged wheels with shock absorbing semi-pneumatic tyres
- Study handle for easy transport
- High capacity Integral condensate pump
- Hours Run Meter providing accurate run time measurements
- High efficiency rotary compressor
- Extra long power cord
- Extra long drain hose
- EIPL's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures
- Sturdy epoxy-coated steel construction
- Simplicity of installation and operation with a standard 115V plug



**ENERGY EFFICIENT, HIGH CAPACITY, LOW TEMPERATURE
DEHUMIDIFIERS FOR PROFESIONAL WATER DAMAGE SPECIALISTS**

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



PROVEN PERFORMANCE

The EIPL ECO85 Dehumidifier is a rugged, yet mobile piece of equipment that will operate under extreme conditions and pull large amounts of moisture from the air. Whenever there is a need for fast dependable, energy-efficient drying, EIPL can provide the answer. The high efficiency Rotary compressor, balanced refrigeration system, and high performance backward curved fan, ensures the maximum extraction with the lowest running costs.

THE PROBLEM

EIPL are 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 have the equipment to handle the harshest environments and assist with proper restoration.

Applications	ECO85
Flood & Restoration	✓
Roof Leaks	✓
Basements / Cellars	✓
Laundries	✓
Vehicle Storage	✓
Hotels / Guest Houses	✓
Second Homes	✓
Laboratories	✓
Offices	✓

THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems.

The ECO range from EIPL, are high capacity, high efficiency dehumidifiers, specifically designed to operate at across a wide spectrum of conditions, extracting the maximum amount of water for the lowest possible cost.

The moisture is removed 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. 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 ECO85 unit is equipped with an internal condensate pump, the equipment is ideal for unmanned situations, removing the need to empty buckets / containers. The neat pump purge facility, allows the condensate pump to be drained before moving to another location, and prevents water spillage during transport.

The small, compact size, and collapsible handle of the ECO85, allows the unit to be easily moved and transported from job to job.



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