

# NEPTUNE DEHUMIDIFIER

## SPECIFICATIONS

SPECIFICATIONS	NEPTUNE
Model No.	10199GR-US
Height	24" (610mm)
Width	14" (355mm)
Depth	15" (381mm)
Weight	60 lbs (30kg)
Voltage	110 V
Phase	1
Frequency	60 Hz
Current	5 A
Power	470W
Airflow	282cfm (476m3/hr)
Noise Level	57 dba
Refrigerant	R407c
Effective Volume	8,369 cu.ft (237m3)
Typical Extraction	52 ppd
Minimum Operating Temperature	33°F (1°C)
Maximum Operating Temperature	95°F (35°C)

FEATURES	NEPTUNE
MODEL NO.	10199GR-US
On / Off Control	✓
Temperature Sensitive Defrost Control	✓
Compressor Type	Rotary
Fitted Mains Plug	✓
Rubber Anti-Vibration Feet	✓
Hot Gas Defrost System	✓
Gravity Drain	✓
25' Length Power Cord	✓
Epoxy Powder Coating	✓
Quiet Operation	✓
Lightweight Compact Portable	✓
Low Amp Draw	✓

## APPLICATION

The EIPL Neptune is a compact, portable dehumidifier designed to provide humidity control for a wide range of applications including water damage restoration and dehumidification of permanent commercial, industrial, and residential spaces.

## KEY DESIGN FEATURES

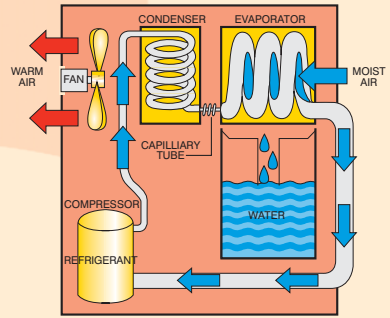
- Anti-Vibration Rubber feet
- Collapsible Handle for easy transport
- High efficiency rotary compressor.
- Extra long power cord (25')
- Temperature Sensitive Defrost control for optimum performance
- EIPL's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures.
- Rugged, epoxy powder-coated steel chassis and housing.
- Simplicity of installation and operation with a standard 115V plug.



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

## 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, its 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 Neptune Dehumidifier is a rugged, yet portable 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 ensures the maximum extraction with the lowest running costs.

### 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.

APPLICATIONS	NEPTUNE
MODEL NO.	10199GR-US
Flood & Restoration	✓
Roof Leaks	✓
Basements / Cellars	✓
Rental Yards	✓
Vehicle Storage	✓
Hotels / Guest Houses	✓
Stores	✓
Laboratories	✓
Offices	✓

### THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The Neptune dehumidifier, with its temperature sensitive defrost control ensures optimum performance throughout the units full operating temperature range.

Moisture is removed from the air through an efficient 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.

The small compact size of the Neptune allows the unit to be easily moved and transported from job to job.



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