

## SPECIFICATIONS

Specifications	RM40-SH
Model No.	10187SH-US
Height	12" (300mm)
Width	13" (330mm)
Depth	22" (550mm)
Weight	50 lbs (23kg)
Voltage	110 V
Phase	1
Frequency	60 Hz
Current	3.3 A
Power	344 W
Airflow	170cfm (287m3/hr)
Noise Level	47 dba
Refrigerant	R410a
Effective Volume	3,000 cu.ft (85m3)
Extraction @ 65°F 60%RH	24 ppd
Efficiency @ 65°F 60% RH	1.4 l/kW
Typical Extraction @ 80°F 60%	34 ppd
Typical Efficiency @ 80°F 60%	1.9 l/kW
Minimum Operating Temp	33°F (1°C)
Maximum Operating Temp	95°F (35°C)

Features	RM40-SH
Model No.	10187SH-US
On/Off Control Via Humidistat	✓
Adjustable Control Humidistat	✓
Fitted Mains Plug	✓
Free Standing	✓
Electronic Thermostatic Defrost Control	✓
Compressor Type	Rotary
GravityPermanent Drain Facility	✓
Hot Gas Defrost System	✓
Rubber Anti Vibration Feet	✓
Rugged Carrying Handles	✓
10' Length of PVC Drain Hose	✓
Epoxy Powder Coated Chassis	✓
Wall Mounting Bracket	○

## APPLICATION

The EIP RM40-SH compact unit, is surprisingly quite, yet have the features of many larger models. They are rugged enough for industrial shops and storerooms. Their attractive appearance makes them suitable for basement or garage applications.

## KEY DESIGN FEATURES

- Epoxy Powder Coated Steel Construction
- EIP's unique "Hot Gas" defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures.
- Simplicity of installation and operation.
- Rugged Military Style Handles.

## RM40-SH OPTIONAL EXTRAS

- Wall mounting bracket



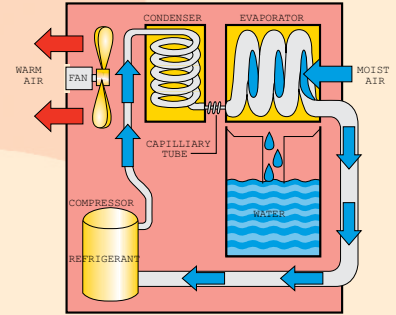
# RM40-SH DEHUMIDIFIER



HIGH CAPACITY • COMPACT • LOW TEMPERATURE  
INDUSTRIAL INSTITUTIONS • RENTALS

# 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



Applications	RM40-SH
Model No.	10187SH-US
Warehouses	✓
Basements	✓
Water Damage Restoration	✓
De-Flooding	
Sports Halls	✓
Storage Areas	✓
Laboratories	✓

Applications	RM40-SH
Model No.	10187SH-US
Oil Rigs	✓
Agriculture	✓
Kitchens	✓
Pumping Stations	✓
Hotel / Motel	✓
Stadiums	✓
Ships / Barges	✓

## PROVEN PERFORMANCE

The EIP RM40-SH dehumidifier is a compact, stand alone units which provides quiet, maintenance free service in extreme environments, without the cost, and irritation of coil freeze-up. This simple, yet effective solution is ideal for a damp basement or clammy locker rooms it is easily transported to the problem area, and goes quietly to work. The gravity drain makes the unit ideal for un-manned installations.

## 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 RM40-SH the ideal choice for many applications.

## THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The RM40-SH unit is a high capacity / efficiency dehumidifier, 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 and drained away. 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 RM40-SH is 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 wall mounting bracket allows the RM40-SH to be wall mounted removing the need to take up valuable bench or floor space.



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