



RM40-SH Dehumidifier

KEY DESIGN FEATURES



- Integral Humidistat
- High Efficiency Rotary Compressor
- Epoxy Powder Coated Steel Construction
- EIP's Unique Hot Gas Temperature Sensitive Defrost
- Simplicity Of Installation And Operation
- Rugged Military Style Handles
- 1/2" Gravity Drain Connection
- Rubber Anti-Vibration Feet

RM40-SH Optional Extras

- Wall Mounting Bracket

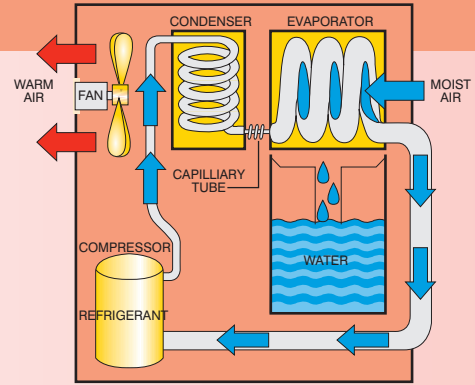
HIGH CAPACITY • LOW TEMPERATURE • INDUSTRIAL INSTITUTIONS • RENTALS
CRAWL SPACES

SPECIFICATIONS

SPECIFICATIONS	RM40-SH 11186SH-US	FEATURES	RM40P--SH 11186SH-US
Height	12" (300mm)	On/Off Control Via Humidistat	✓
Width	13" (330mm)	Adjustable Control Humidistat	✓
Depth	22" (550mm)	Temperature Sensitive Deforst	✓
Weight	50 lbs (23kg)	Fitted Mains Plug	✓
Voltage V / P / Hz	110 / 1 / 60	Free Standing	✓
Current	3.3A	Electronic Thermostat Defrost Control	✓
Power	344W	Compressor Type	Rotary
Airflow	170cfm (287m3/hr)	Gravity Permanent Drain Facility	✓
Noise Level	47dba	HotGas Defrost System	✓
Refrigerant	R454c	Rubber Anti Vibration Feet	✓
Effective Volume	3,000 cu.ft (85m3)	Rugged Caying Handles	✓
Extraction @ 65°F 60%RH	24 ppd	10ft Length Of PVC Tubing	✓
Efficiency @ 65°F 60%RH	1.4 l/kW	Epoxy Powder Coated Chassis	✓
Typical Extraction @ 80°F 60%RH	34 ppd	Wall Mounting Bracket	○
Typical Efficiency @ 80°F 60%RH	1.9 l/kW		
Min Operating Temperature	33°F (1°C)		
Max Operating Temperature	95°F (35°C)		

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



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.

APPLICATIONS	RM40-SH
Crawl Spaces	✓
Warehouses	✓
Basements / Cellars	✓
Laboratories	✓
Pumping Stations	✓
Hotel / Motel	✓
Sports Halls	✓
Offices	✓
Oil Rigs	✓

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 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.

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 is the ideal choice for many applications.

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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