RM40 & RM40-P DEHUMIDIFIER

SPECIFICATIONS

Specifications	RM40	RM40-P
Model No.	10187MB-US	10187MP-US
Height	25” (620mm)	25” (620m)
Width	15” (385mm)	15” (385mm)
Depth	14” (360mm)	14” (360mm)
Weight	42 lbs (19kg)	46 lbs (21kg)
Voltage	110 V	110 V
Phase	1	1
Frequency	60 Hz	60 Hz
Current	3.3 A	3.3 A
Power	344 W	344 W
Airflow	170cfm (287m3/hr)	170cfm (287m3/hr)
Noise Level	47 dba	47 dba
Refrigerant	R410a	R410a
Effective Volume	3,000 cu.ft (85m3)	3,000 cu.ft (85m3)
Extraction @ 65°F 60%RH	24 ppd	24 ppd
Efficiency @ 65°F 60% RH	1.4 l/kW	1.4 l/kW
Typical Extraction @ 80°F 60%	34 ppd	34 ppd
Typical Efficiency @ 80°F 60%	1.9 l/kW	1.9 l/kW
Minimum Operating Temp	33°F (1°C)	33°F (1°C)
Maximum Operating Temp	95°F (35°C)	95°F (35°C)

Features	RM40	RM40-P
Model No.	10187MB-US	10187MP-US
On/Off Control	✔	✔
Adjustable Control Humidistat	✔	✔
Fitted Mains Plug	✔	✔
Castors	✔	✔
Integral Water Container	✔	X
High Lift Condensate Pump	X	✔
Electronic Defrost Control	✔	✔
Compressor Type	Rotary	Rotary
Bucket Full Indicator	✔	✔
Permanent Drain Facility	✔	X
Hot Gas Defrost System	✔	✔
Washable Air Filter	✔	✔
Quick Release Hose Connector	✔	✔
Moulded Carrying Handles	✔	✔
10’ Length of PVC Drain Hose	X	✔
Galvanised Steel Subframe	✔	✔

APPLICATION

The EIP RM40 / RM40-P 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

- Rotomoulded Cover & Base
- EIP’s unique “Hot Gas” defrosting feature which automatically melts away frost buildup providing effective operation at low ambient temperatures.
- Rugged, galvanised Subframe
- Simplicity of installation and operation.
- Integral Water Container
- Moulded Handles.

RM40-P ADDITIONAL FEATURES

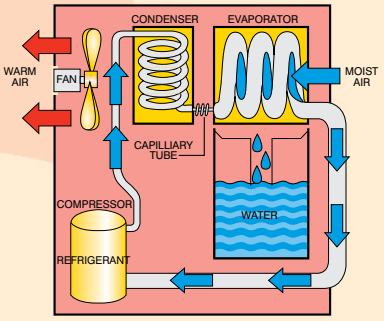
- Highlift Integral Condensate Pump in place of integral water container

EIP INC

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	RM40-P
Model No.	10187MB-US	10187MP-US
Warehouses	✔	✔
Basements	✔	✔
Water Damage Restoration	✔	✔
De-Flooding		✔
Sports Halls	✔	✔
Storage Areas	✔	✔
Laboratories	✔	✔

Applications	RM40	RM40-P
Model No.	10187MB-US	10187MP-US
Oil Rigs	✔	✔
Agriculture	✔	✔
Kitchens	✔	✔
Pumping Stations	✔	✔
Hotel / Motel	✔	✔
Stadiums	✔	✔
Ships / Barges	✔	✔

PROVEN PERFORMANCE

The EIP RM40 / RM40-P dehumidifiers are 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 can be is easily transported to the problem area, and goes quietly to work. The RM40-P has all the qualities of the RM40, however the integral water container is replaced with a high capacity condensate pump. This unit is 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 family the ideal choice for many applications.

THE DEHUMIDIFIER

EIPL dehumidifiers are effective solutions to environmental control problems. The RM range 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 andis 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 RM 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 RM40P make the unit the ideal choice for un- manned installations, as the condensate pump will pump the condensation into a toilet sink etc.

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