

**MODEL: MCS-DHR-90**

DEHUMIDIFIER 90 L

Multitech Control Systems developed an energy-efficient Dehumidifier to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit. High Humidity Commercial Application.

Dehumidifiers extract water from air that passes through the unit. There are two common types of dehumidifiers: condensate dehumidifiers and desiccant dehumidifiers.

Condensate dehumidifiers use a refrigeration cycle to collect water known as condensate, which is normally considered to be greywater but may at times be reused for industrial purposes. Some manufacturers offer reverse osmosis filters to turn the condensate into potable water.

APPLICATIONS

- Cold storage
- Air-conditioned restaurants
- Indoor swimming pool
- Industrial Process Applications: Food processing & packing, Fish or Meat processing Tunnel Freezer area
- Snack foods confectionery, Spic, Ayurvedic medicines
- Pharmaceutical Industry
- Paper mills
- Semiconductors, Cement, Leather, Fertilizer industry & Storage facility.

FEATURES

- Unit Casing Made of Stainless Steel 304/MS with powder coated
- Fasteners are made of Stainless Steel 304,
- Powder Coated Fan Casing & Impellers.
- H/E Coils are made of Copper Tube & Al-Fines & are Heresite VR-514 Coated.
- Adjustable Humidity Setpoint from 10% to 90% Humidity level & Control in the increment of 1% RH.
- Temperature, RH & Dew point control system
- Washable air purifying filter.
- Continuous drain through Pump
- Compact footprint, portable design.

TECHNICAL SPECIFICATIONS

Parameters	Description
Model	MCS- DHR -90
Dehumidifying Technology	Refrigerant Compression Dehumidifier
Dehumidification capacity	90* Litres per day @ +30°C DB & 80% RH
Air Volume	1100 m ³ /h
Maximum Unit Power (W)	1,650
Working Temperature Range	+5 to +38°C
Humidity Setting	10% to 90% RH in the increment of 1%RH
Cooling Coil protection	Anti-Corrosive Heresite Coated VR-514 for long life
Body Type	Stainless steel SS304/MS powder coated
Fan Type	Single Speed, SISW Forward curved
Refrigerant type	R407C
Sound Level	70 DbA
Phase /Voltage/Hertz	1Ph/220-240V/50Hz
Water removal	Continuous through pipe
Dimensions L x W x H	400 x 675 x 1050 (in mm)
Weight (Kg)	Approx. 70 Kg
Country of Origin	India



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