



COMFYDRY REFRIGERATION DEHUMIDIFIER

SALIENT FEATURES

- Indigenous Design
- Suitable For Tropical Climate
- Low Power Consumption
- Automatic Humidity Control
- Automatic Defrosting
- Automatic Drainage Facility
- Wheels For Easier Mobility



WORKING PRINCIPLE

A dehumidifier works on the principle of heat transfer. Humid atmospheric air is drawn to the Dehumidifier by using a fan. Then the air passes through a cold coil (evaporator). The refrigerant in the coil cools the air below its dew point. The dew point is the temperature at which water vapour in the air condenses into liquid water. When the air is cooled below its dew point, the excess water vapour condenses on the cold coils of the dehumidifier. The excess water vapour in the air condenses on the cold coils. The condensed water drips into a reservoir. The dry air passes through a hot coil (condenser). The condenser reheats the air to room temperature. The dry air is blown back into the room.

APPLICATIONS

- Cold Storages
- Food Drying Processes
- Hospital
- Paper
- Restaurants & Bars
- Wood Seasoning
- Confectionary Manufacturing
- Food Storage
- Laundry
- PCB Manufacturing
- Swimming Pools and Spas
- Wine Cellars
- Electronic Manufacturing
- Garlic Drying
- Macaroni and Pasta Manufacturing
- Pharmaceutical
- Textile
- Food & Beverages
- Greenhouse & Agriculture
- Museums & Archives
- R&D Labs
- Warehousing

TECHNICAL DATA

Capacity	50 LTR @32°C, 90% RH	64 LTR @32°C, 90% RH	100 LTR @32°C, 90% RH	150 LTR @32°C, 90% RH	200 LTR @32°C, 90% RH	250 LTR @32°C, 90% RH	300 LTR @32°C, 90% RH
Model No.	ACDR-05	ACDR-06	ACDR-10	ACDR-15	ACDR-20	ACDR-25	ACDR-30
Power Consumption	480 W	780 W	1650 W	1850 W	2250 W	2850 W	3350 W
Voltage (Single Phase)	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz
Current	2.2 - 2.9 A	3.2 - 5 A	6.9 - 9 A	8.9 - 12 A	12.0 - 16 A	16 - 20 A	18 - 22 A
Refrigerant	R 134a	R 134a	R 22	R407c / R410	R407c / R410	R407c / R410	R407c / R410
Air Flow	550 CMH	850 CMH	1600 CMH	1850 CMH	2200 CMH	2200 CMH	2800 CMH
Humidity Setting Range	30 - 90% RH	30 - 90% RH	30 - 90% RH	20 - 90% Rh	20 - 90% Rh	20 - 90% Rh	20 - 90% Rh
Compressor Type	Rotary/ Reciprocating	Rotary/ Reciprocating	Rotary	Rotary/ Reciprocating	Rotary/ Reciprocating	Rotary/ Reciprocating	Rotary/ Reciprocating
Dimensions	14 x 15 x 26"	26 x 16 15"	30 x 20 x 20"	33 x 23 x23"	35 x 24 x 24"	37 x 24 x 26"	48 x 30 x27"
Weight	30 Kg	32 Kg	64 Kg	70 Kg	72 Kg	85 Kg	95 Kg
Noise Level	≥ 60 dBA	≥ 60 dBA	≥ 60 dBA	≥ 60 dBA	≥ 60 dBA	≥ 60 dBA	≥ 60 dBA
Canopy	MS Powder Coated	MS Powder Coated	MS Powder Coated	MS Powder Coated	MS Powder Coated	MS Powder Coated	MS Powder Coated
Storage Tank (Non Metal)	3 L	5 L	10 L	18 L	Direct Flow/ 18 L Optional	Direct Flow/ 22 L Optional	Direct Flow/ 22 L Optional

OTHER RANGE OF PRODUCTS



Annair Drychill Tech India Pvt. Ltd.

(An ISO 9001:2015 Certified Co.)

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