



HD-45BE



HD-100BM



HD-150B

Harison small and middle capacity dehumidifiers consist of three models, 45 litre/day capacity mobile HD-45BE equipped with internal water bucket and optional, water drainage, 100 litre/day mobile HD-100BM and standard 150 litre/day HD-150B and they are widely used in broad range of applications in: Laboratory, Food and Pharmaceutical process, Presice manufacturing, Warehouses, Museums and archives, Communication centers, Mild temperature drying room...

MAIN COMPONENTS



Hydrophilic Evaporator
40% more efficient
Faster dehumidification



High-efficiency compressor
Complete with internal cut-outs
and high/low pressure protection



HD-45BE



Washable nylon filter
Re-usable Economical



Durability

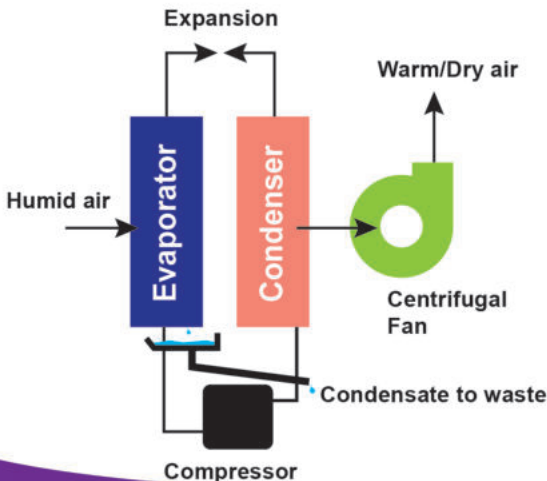


HD-100BM/HD-150B
Automatic operation - Energy saving

WORKING PRINCIPLE

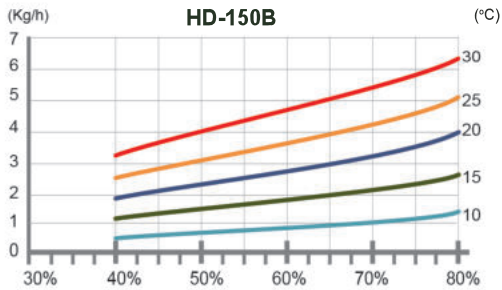
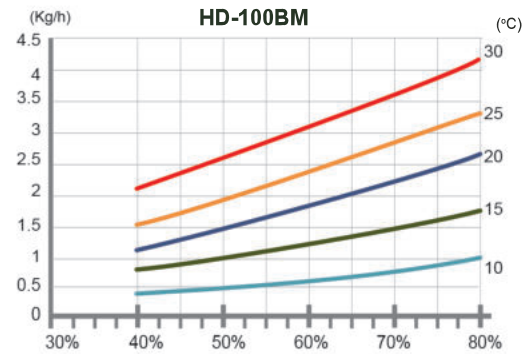
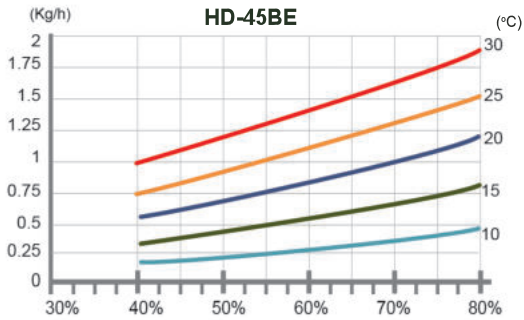
Centrifugal fan draws humid air through evaporator (cooling coils) where it is cooled down below its dewpoint, water vapor is thus condensed into water and drained away. Cooled air with less water vapor passes through condenser (hot coils) where it is reheated. Warm and dry air is finally blown back to controlled space to continue dehumidification operation.

To ensure smooth operation and long service life, actual construction is equipped with additional basic components: Filter installed in front of evaporator to clean air and protect evaporator coil from clogging; Defrost circuit to defrost coil under low temperature condition; Humidistat to control dehumidifier automatically.



Limited
2 YEAR
Warranty

Dehumidification Capacity Chart



ABOUT HARISON

Harison industrial dehumidifiers are products of Naav Solutions Inc (Canada), the world leading company in air-treatment equipment with head office located in the beautiful city of Vancouver, British Columbia, Canada. The products are designed and built to dehumidify efficiently in various working environments and well-known for their high quality and durability.



For more information please visit: www.naavsolutions.com

WHY DEHUMIDICATION?

High relative humidity is the main causes of many common problems: Corrosion, Product deterioration, Condensation, Damp, Mould and mildew, Moisture regain, Prolonged drying, Manufacturing delays, discomfort..

How to select correct size dehumidifier

Firstly, the moisture load (latent load) of the project must be estimated. Secondly, designer can use dehumidification capacity chart provided on the right hand size to select suitable mode according to room RH% and temperature.

Alternatively, we also offer free computer-aided selection service directly or through our officially trained representative in your area. Please contact your local distributor for assistance.

MODEL SELECTIONGUIDE

HD-45BE is a good choice so in case it is difficult to make a water drainage as this model is equipped with internal water buckets. Moreover, 2 or 3 HD-45BE provide evenly RH in larger room.

HD-100BM should be consider when you need yo move unit from time to time, it is especially helpful in mobile application such as drying new room, drying room after water flood, etc...

SPECIFICATION

		HD-45BE	HD-100BM	HD-150B
Operating temperature range	°C	5~35	5~40	
Dehumidification	Kg/h	1.9	4.2	6.25
Airflow rate	CMH	285	850	1500
Noise	dBA	58	57	57
Refrigerant		R410A/ R22/R407		
Refrigerant charge	Kg	0.37	1.3	1.45
Max suction pressure	MPa		0.75	
Max discharge pressure	Mpa		1.95	
Power source	V/Ph/Hz	220V/1Ph/50Hz		
Nominal power consumption	kW	0.70	1.65	1.63
Dimensions				
Width	mm	400	568	600
Depth	mm	310	436	365
Height	mm	540	1110	973
Weight	kg	23	64	60



*) Capacity rated at 30°C/80%

Subject to change without prior notice

Naav Solutions Inc (Canada)

www.naavsolutions.com

Made in Thailand - 2019