

HARISON®

Industrial Dehumidifier



Harison floor standing packaged series consists of three models with airflow rate of 900CMH, 2500CMH and 4500CMH. These units are widely used in wide range of applications as: Food and pharmaceutical process, Presice manufacturing, Warehousing and storage, Museums and archives, Communication centers, Mild temperature drying room,....

KEY BENEFITS



Hydrophilic Evaporator
40% more efficient
Faster dehumidification



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



Humidity controller
Automatic operation
Energy saving

FILTER

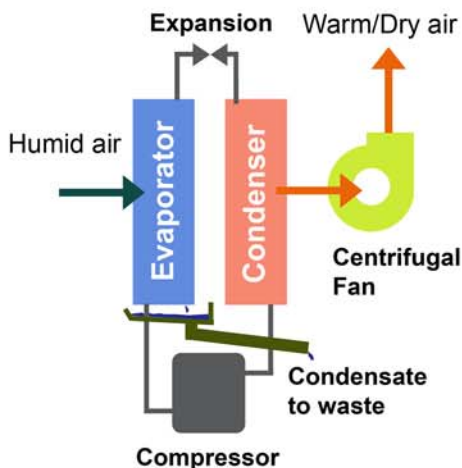
Washable nylon filter
Re-usable
Economical

**RIGID
METAL
CASING**

Durability



R404C refrigerant
Environmentally friendly
Long term saving



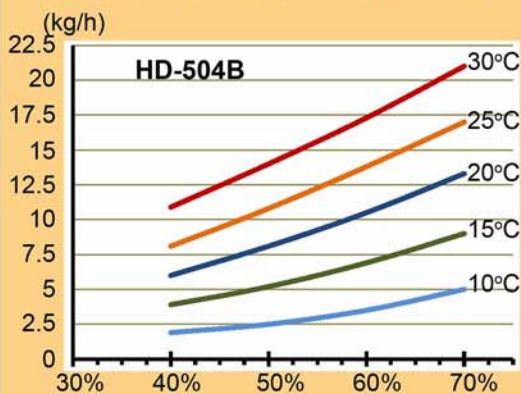
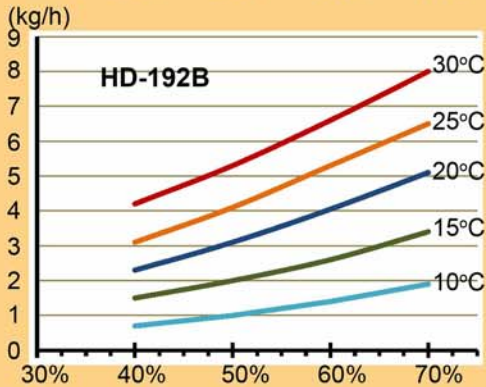
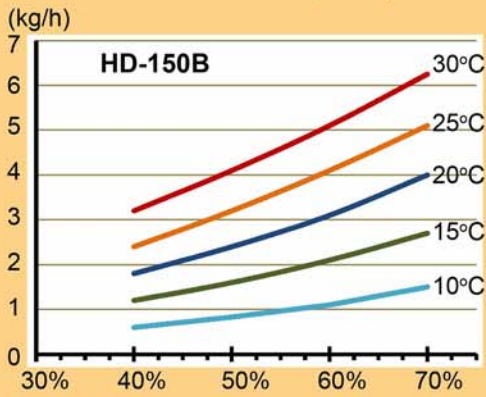
WORKING PRINCIPLE

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 dehumidication 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
1 YEAR
Warranty

Dehumidification Capacity Chart



About Harison Dehumidifier

Harison industrial dehumidifiers are products of Naav Solutions Inc with head office located in the beautiful city of Vancouver, BC, Canada. The products are designed and built to dehumidify efficiently in various working environments and well-known for their high quality and durability.



Why dehumidification?

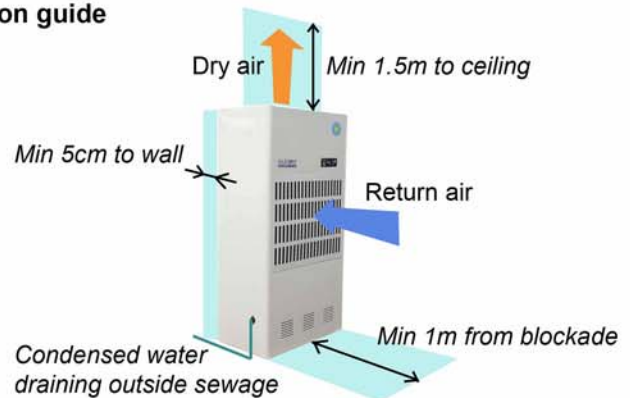
High relative humidity is the main causes of many common problems: Corrosion, Product deterioration, Condensation, Damp, Mould and mildew, Moisture regain, Prolonged drying, Manufacturing delays, discomfort. Harison dehumidifier are used to control relative humidity to eliminate these problems.

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 model 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.

Installation guide



SPECIFICATION

		HD-150B	HD-192B	HD-504B
Operating temperature range	°C		5 ~ 40	
Dehumidification Capacity @ 30°C,70%	kg/h	6.25	8	21
Airflow rate	CMH	900	2500	4500
External static pressure	Pa	50	110	110
Noise	dBA	57	59	70
Refrigerant		407C		
Refrigerant charge	kg	1.45	1.9	3.2
Max suction pressure	MPa	1.0	1.0	1.0
Max discharge pressure	Mpa	2.5	2.5	2.5
Power source	V/Ph/Hz	220V/1Ph/50Hz	380V/3Ph/50Hz	
Nominal power consumption	kW	1.6	4.12	8.5
Rated current	Amp	8.4	7.6	15.4
Dimensions				
Width	mm	597	776	1225
Depth	mm	355	471	520
Height	mm	973	1629	1761
Weight	kg	60	150	235



Subject to change without prior notice

Naav Solutions Inc (Canada)
www.naavsolutions.com
Made in Thailand