

# HARISON®

## Special Drying Dehumidifier

Wide temperature range: 5~55°C



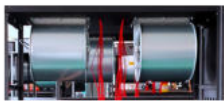
HD - 192DR



HD - 504DR



The evaporator and condensing coil are coated with corrosion protection (Hot Dip)



High-pressure centrifugal fan ensure high blowing air pressure to ensure stable operation

### MAIN COMPONENTS



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



**Temperature-Humidity Removable controller**  
can connect 6m away from the machine



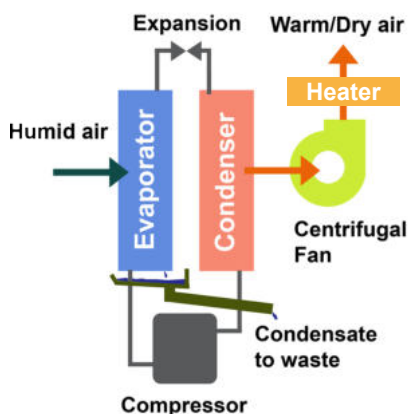
**PTC heaters**  
safe, powerful and energy-efficient



**Durability**

### FILTER

**Washable nylon filter**  
Re-usable Economical



### 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) and heater 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.



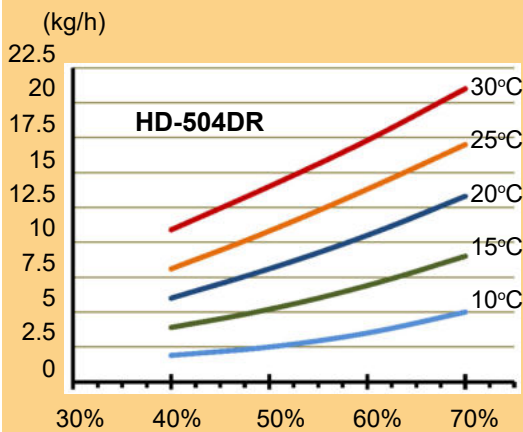
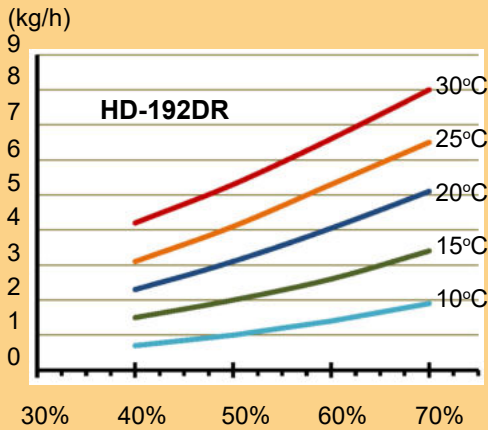


## ABOUT HARISON

Harison industrial dehumidifiers are products of Naav Solutions Inc 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.

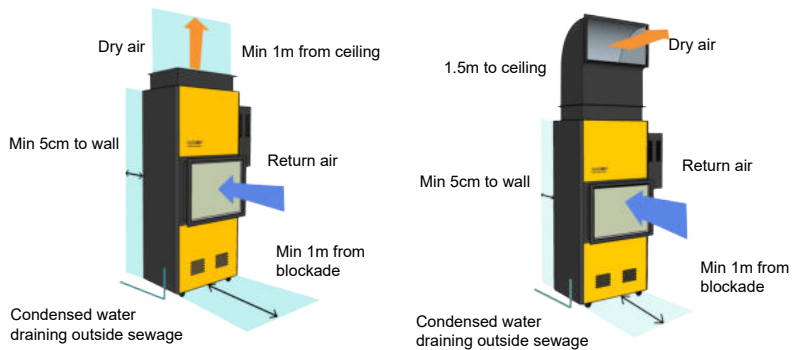
For more information please visit: [www.naavsolutions.com](http://www.naavsolutions.com)

### Dehumidification Capacity Chart



### 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... 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 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.

SPECIFICATION		HD-192DR	HD-504DR
Working Temp.	oC	5 ~ 55	
Moisture removal capacity*	L/D	210	480
Air Circulation	CMH	2500	5600
Power Consumption	kW	4.2	10.0
PTC Heater	kW	6.0	12.0
Power Supply		AC 380V/50Hz/3PH	
Noise	Db(A)	≤ 65	≤ 68
Compressor		Hitachi	Daikin
Refrigerant/Charger(kg)		R22/2.2	R22/4.4x2
Suction pressure	MPa	1.0	1.0
Discharge pressure	MPa	2.5	2.5
Dimensions	mm	583 x 967 x 1845	586 x 1388 x 1898
Weight	kg	110	260



\*) Capacity rated at 30°C/80%  
Subject to change without prior notice

Naav Solutions Inc (Canada)  
[www.naavsolutions.com](http://www.naavsolutions.com)  
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