

COMMERCIAL & INDUSTRIAL DEHUMIDIFIERS

Harison automatic dehumidifiers use to control humidity and condensation in various commercial/industrial applications such as: scientific research facilities, manufacturing processes, communication centers, pharmaceutical factories, archives, warehouse, etc.



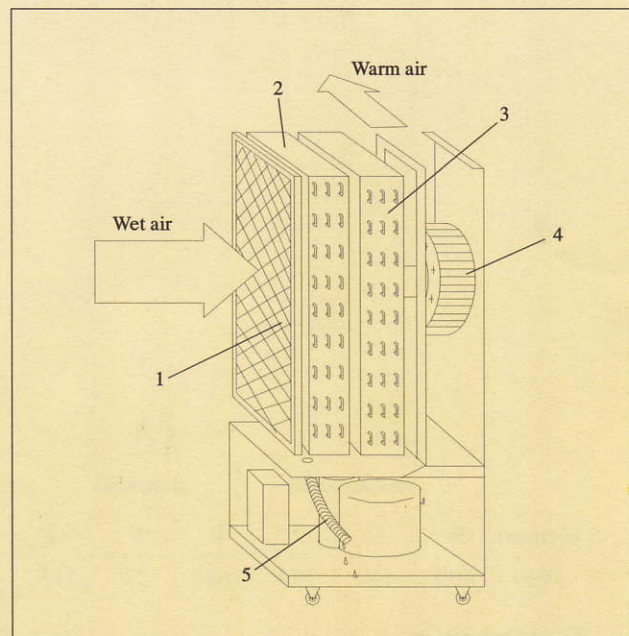
Main features

- High dehumidification capacity:
 - HD-100B: 4.2 l/hr
 - HD-192B: 8.0 l/hr
- Automatic micro-processor control:
 - Manual mode: continuous operation.
 - Auto mode: Automatic RH control
- Selectable RH value by touch switch
- Low temperature operation (down to $\sim 3^{\circ}\text{C}$)
- Auto defrost
- Auto-protected compressor
- Low noise level
- Washable nylon filter
- Built-in water drain flex-pipe ready for connection
- Simple installation - operation - maintenance
- High durability
- Elegant design

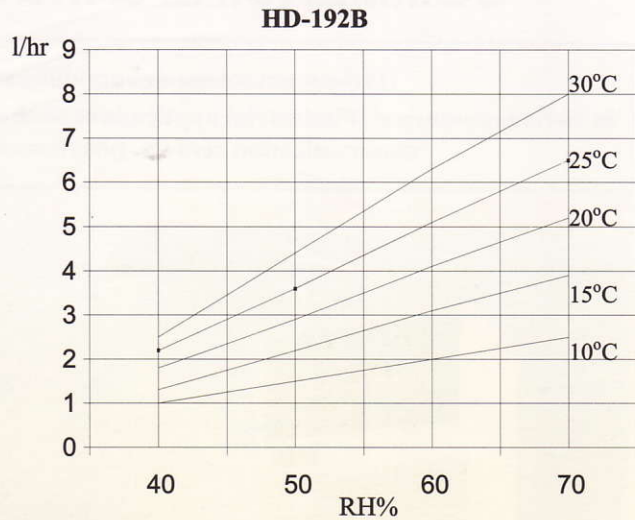
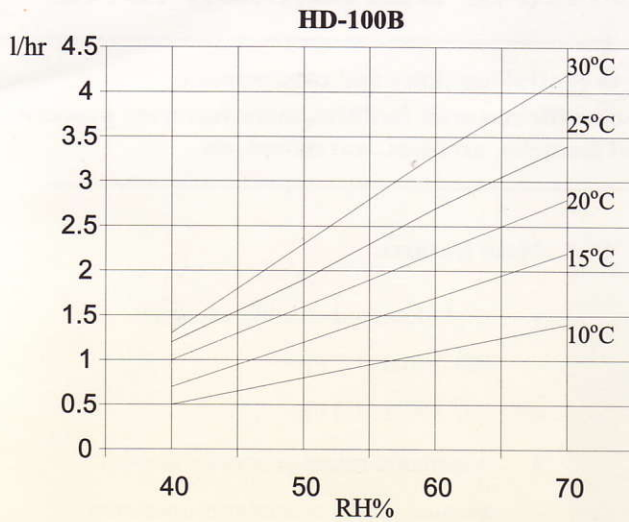
Working principle

Centrifugal fan (4) draws humid room air through filter (1) where most dust and other particles are detained, clean air then goes through evaporator coil (2) where it is cooled down and water vapor is condensed into water and drained away through flexible pipe (5), clean air with lower moisture content enters condenser coil (3) and it is reheated by heat released from condensation of refrigerant gas inside the coils. The clean, dry and warm air then being discharged back into the room again to dehumidify the room air.

At "Auto mode" operation, the micro-processor senses relative humidity inside the room by humidity sensor, compares this values with which is set and controls dehumidifier operation automatically to maintain room relative humidity at desired values. It also detects low-valued temperature of returned refrigerant vapor to start defrost cycle automatically at low room temperature conditions (down to 3°C).

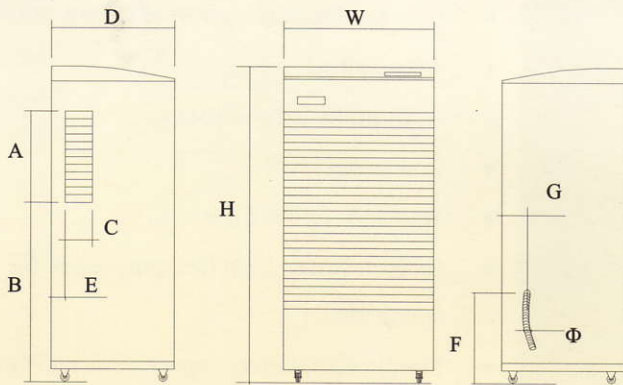


DEHUMIDIFICATION CAPACITY CHART



TECHNICAL SPECIFICATIONS

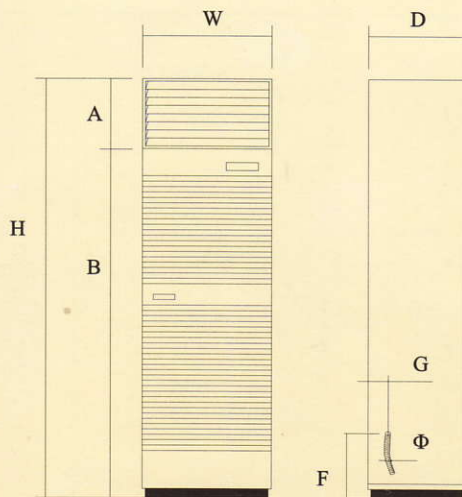
HD-100B



Lowest operating temperature:	3°C
Rated airflow:	900CMH
Power source:	1P/220V/50Hz
Nominal rated power:	1.7kW
Rated current:	7.9A
Noise:	<59dB (A)
Compressor:	FUJIKAWA
Refrigerant/Charge:	R22/1.2kg
Suction pressure:	0.55MPa
Discharge pressure:	1.8MPa
Weight:	64 kgs

H (mm)	W	D	A	B	C	E	F	G	Φ
1023	540	439	315	600	130	18	30	115	20

HD-192B



Lowest operating temperature:	3°C
Rated airflow:	1800CMH
Power source:	3N/380V/50Hz
Nominal rated power:	3.8kW
Rated current:	7A
Noise:	<59dB (A)
Compressor:	COPELAND
Refrigerant/Charge:	R22/1.9kg
Suction pressure:	0.6MPa
Discharge pressure:	1.88MPa
Weight:	132 kgs

H (mm)	W	D	A	B	F	G	Φ
1920	600	430	290	1630	27	115	20

Distributed by