How to select capacity of dehumidifier for home, office, warehouse, chiller room etc.?
Dehumidification capacity is calculated based on following parameters:

- Present humidity
- Present temperature
- Room size
- Humidity to be achieved
After collecting the above parameters, please go to our online calculator at the following link:

http://www.vackergroup.ae/our-products/dehumidifiers/dehumidifier-capacity-calculation/
This is the screen shot of the online calculator

### Dehumidifier Capacity Calculation

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Present temperature $T$ (°C)</td>
<td></td>
</tr>
<tr>
<td>Present Humidity (%) RH</td>
<td></td>
</tr>
<tr>
<td>Desired Humidity (%) RH</td>
<td></td>
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<tr>
<td>Room Length (m)</td>
<td></td>
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<tr>
<td>Room Breadth (m)</td>
<td></td>
</tr>
<tr>
<td>Room Height (m)</td>
<td></td>
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<tr>
<td>OR Room Volume (m$^3$)</td>
<td></td>
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</tbody>
</table>

Click here for Dehumidifier Result
The first parameter is the present Temperature. You may give the maximum temperature of the room in Degree Centigrade.
The second parameter is the present Humidity. You may give the maximum recorded Humidity of the room in % RH.
If you do not know present temperature and humidity, you may use a hygrometer to measure the same.
The third parameter is the required Humidity. You may give the humidity value that you want to achieve in % RH.
As a last input you may give the size of the room separately as Length, Width & Height in meters. Alternatively you may give the volume in cubic meters.
Now click the calculate button to give the final result. You will receive the result in liter per day.

Eg. If the result is 100 liter per day, this means that 100 liter of water needs to be removed from the air inside the room per day to achieve the desired humidity levels.
Hence you will have to select a dehumidifier with capacity of 100 liter per day.

You may note that the performance of the dehumidifier varies with the room temperature.
Vacker Group, Dubai - products and services:

a. Dehumidifiers and humidifiers
b. Real Time Temperature monitoring Systems
c. Temperature & humidity Data Loggers
d. Temperature Mapping Study & Qualification
e. Temperature sensors & Automation systems