GENERALAire DH70, DH95 De-humidifiers

Following size and minimum requirements for de-humidifier to remove excess humidity from air.

Removes up to 70 pint (33 Litres) per 24 hour period and 95 pints (45 Litres) per 24 hour period.

Infiltration rate of moisture into a home, crawlspace or condo may be greater than the 70/95 pint per day removal required.

Contractor may use following tables to assist in determining applicable dehumidifier.


In order for a de-humidifier to operate, create and remove water:

- temperature must be >/= 55 °F (13 °C) and dew point must be >/= 43 °F (6 °C)

**DH70** – typically remove 70 pint/day in applications up to 3500sq ft, assuming 8’ ceiling heights.

**DH95** – typically remove 95 pint/day in applications up to 5500sq ft, assuming 8’ ceiling heights

Table below guideline only

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**Sizing a Dehumidifier for a Home**

*This is a general guideline only. Each application is unique with many variances. Sizing would require a thorough evaluation on site. The entire risk of the use of any information in this publication is assumed by the user.*

<table>
<thead>
<tr>
<th>Condition without Dehumidification</th>
<th>Area (Sq. Feet)</th>
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<tbody>
<tr>
<td></td>
<td>500</td>
</tr>
<tr>
<td>Moderately Damp (space feels damp and has musty odor only in humid weather)</td>
<td>10</td>
</tr>
<tr>
<td>Very Damp (space always feels damp and has musty odor. Damp spots show on walls and floor.)</td>
<td>12</td>
</tr>
<tr>
<td>Wet (space feels and smells wet. Walls or floor sweat, or seepage is present.)</td>
<td>14</td>
</tr>
<tr>
<td>Extremely Wet (laundry drying, wet floor, high load conditions)</td>
<td>16</td>
</tr>
</tbody>
</table>

Source: Association of Home Appliance Manufacturers (AHAM)

Source: Energy Star.gov

*Pints Per Day
Upgrade features on DH70/DH95

Delay Timer
- 5 minute delay defrost timer to avoid coil freezing up by allowing pressure to equalize in system after a shut-down

Knob Control
- MHX3 stat knob control on dehumidifier unit next to access door for MERV11 air cleaner. Stat can sense RH only

Energy Star
- DH70 is energy star rated

Energy Efficiency – Dehumidifier vs. Air Conditioner

A 2 Ton Air Conditioning Condenser (3105W) uses nearly 5x the amount of Watts to run than a DH70 dehumidifier at (655W).

DH70 approximate equivalent for use in application with 3-1/2 ton A/C condenser

DH95 approximate equivalent for use in application with 5 ton A/C condenser

Energy Use AC Vs DH – In Watts

Typical 13 Seer AC
024 Two Ton Condenser 3,105W
042 Three and One Half Ton Condenser 4,110W
060 Five Ton Condenser 6,072W

HealthyAire® Dehumidifiers
DH70 655W
DH95 1,104W

Watt consumption based upon Rheem Nomenclature