

**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.

<http://linricsoftw.web701.discountasp.net/webpsycalc.aspx>

<http://www.dpcalc.org/>

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

- temperature must be  $\geq 55$  °F (13 °C) and dew point must be  $\geq 43$  °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

## 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.***

Condition without Dehumidification	Area (Sq. Feet)					3,000
	500	1,000	1,500	2,000	2,500	
<b>Moderately Damp</b> (space feels damp and has musty odor only in humid weather)	10	14	18	22	26	<b>30</b>
<b>Very Damp</b> (space always feels damp and has musty odor. Damp spots show on walls and floor.)	12	17	22	27	32	<b>37</b>
<b>Wet</b> (space feels and smells wet. Walls or floor sweat, or seepage is present.)	14	20	26	32	38	<b>44</b>
<b>Extremely Wet</b> (laundry drying, wet floor, high load conditions.)	16	23	30	37	44	<b>51</b>

Source: Association of Home Appliance Manufacturers (AHAM)

Source: Energy Star.gov  
\*Pints Per Day



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Extremely Wet (laundry drying, wet floor, high load conditions.)	16	23	30	37	44
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## 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

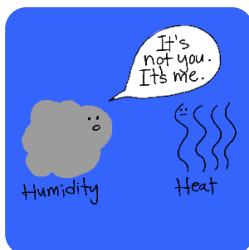
## **Energy Use AC Vs DH – In Watts**

### 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