



RH-Cube 18 DEHUMIDIFIER

IMPROVES HEALTH and SAVES ENERGY

Photo by The Honest Company on Unsplash

DETRIMENTAL HEALTH EFFECTS OF HIGH HUMIDITY

High humidity can create an unhealthy, sometimes even toxic, environment by promoting growth of mold and mildew, increased dust mite populations, and encourage the spread of virus and bacteria.

MOLD

Molds produce allergens. Even with otherwise healthy individuals, molds can irritate the eyes, skin, nose, throat, and lungs. With those who suffer from asthma, molds can cause asthma attacks. Some molds are toxigenic meaning they produce toxins, specifically mycotoxins [reference] which can even be fatal in some cases, especially with individuals with compromised immune systems. Most mold species will not grow in 78°F and 45% Relative Humidity (RH).

DUST MITES

Sensitization to the house dust mite (*Dermatophagoides pteronyssinus*) (HDM) is the most common risk factor associated with the development of asthma in adults and children. At 78°F and 45% RH dust mite populations drop.

BACTERIA AND VIRUSES

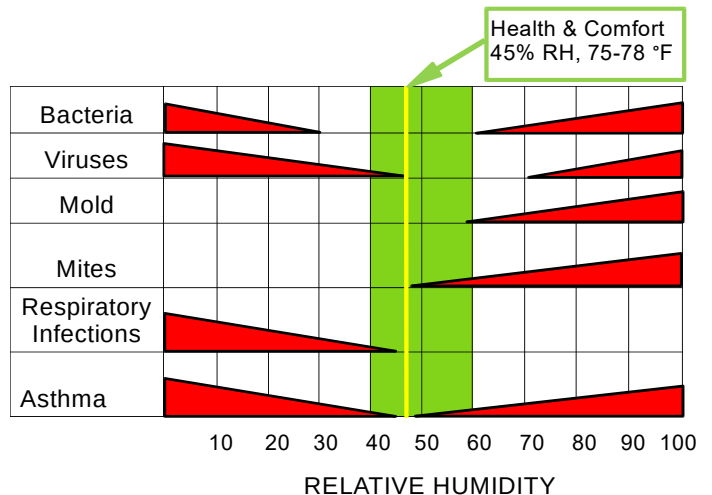
Studies on airborne-transmitted infectious bacteria and viruses have shown that the survival or infectivity

of these organisms is minimized by exposure to relative humidity.

OPTIMUM ENVIRONMENT

The optimum environment for health and comfort is **78°F and 45% Relative Humidity (RH)**. It is considered optimum because:

- It stops mold and mildew growth
- It kills dust mites
- It minimizes the spread of bacteria and viruses
- It is more comfortable than 72°F and 50% RH



RH-CUBE 18 DEHUMIDIFIER

The RH-Cube 18 is specifically designed to dehumidify to low RH levels. With the RH-Cube 18 you can easily create this optimum environment. Achieving 78°F and 45% RH is beyond the capabilities of any air conditioner by itself, and is expensive and very difficult to achieve when pairing your air conditioner with any other dehumidifier on the market. The RH-Cube 18 dehumidifier works along side your air conditioner to deliver improved health and greater comfort while dramatically reducing your energy bills.

THE RH-CUBE 18 IS AFFORDABLE

It delivers more capacity per dollar than any other dehumidifier on the market today. It is only one-half to one-third the cost of competitive products of similar capacity.

HIGH CAPACITY IS KEY

High capacity is the key to proper humidity control. Most other dehumidifiers need assistance with dehumidification from the air conditioner. The RH-Cube 18 does not. It has the capacity to operate completely independently of your air conditioner. If all you need is dehumidification, then you don't even need to turn your air conditioner on.

HIGHEST EFFICIENCY

The RH-Cube 18 is the highest efficiency dehumidifier on the market today. The secret to the RH-Cube 18's efficiency is its patented split-air design. It is two to three times more efficient than competitive dehumidifiers, which translates to savings for you.

RH-CUBE 18 DELIVERS SAVINGS

Choosing health and comfort does not imply spending a fortune. The RH-Cube 18 is able to deliver the optimum environment for health and comfort because of its capacity and efficiency. It's that same capacity and efficiency that enables the RH-Cube 18 to save you money as well.

The RH-Cube 18 starts delivering savings from the moment you install it. It saves on installation, uses less energy while running, reduces maintenance costs, and protects your home.

INSTALLATION SAVINGS

Combining a smaller a/c with an RH-Cube 18 will outperform a larger, stand-alone a/c, and the combination will be less expensive.

OPERATING SAVINGS

In areas of high humidity such as coastal southern US, use of the RH-Cube 18 can reduce the total cost of air conditioning by 50% or more.

For example, the average Floridian would save \$240 per year with an RH-Cube 18. The savings come in a variety of ways:

- The a/c can be adjusted to run more efficiently since it will no longer need to dehumidify.
- By maintaining 78°F instead of 70°F less energy is used, and 78°F and 45% RH is far more comfortable than 70°F and 50% RH, which is typical of what a stand-alone a/c delivers.
- Use of day time set-backs to turn off the a/c when the home is unoccupied. Just control the humidity while the home is unoccupied, not the temperature.

MAINTENANCE SAVINGS

- Because the a/c will run less often, it will last longer.
- A drier home means less moisture build-up in the a/c, reducing rust and contaminant build-up.
- The RH-Cube 18 is less expensive to repair than the competition because it uses readily available off-the-shelf components, and can be serviced by any certified HVAC technician.

HOME REPAIR SAVINGS

By preventing mold growth the RH-Cube 18 can save on major home repairs. Mold can damage your home and its contents, and mold remediation can be expensive. On average, professional mold remediation costs \$500 to \$6,000 — but the price can soar into the tens of thousands if the problem is severe.