



Household Dehumidifiers & Portable Air Conditioners

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What is Humidity?

While the word moisture is synonymous with humidity in terms of literal sense, it is used in a somewhat different way than humidity. Because of the moisture, fungus occurs on the walls of homes. This mushroom is called moisture in the language of society. That is, the word moisture is used both as cause and effect.

Why Does Humidity Occur?

Moisture also means humidity. Accordingly, it is possible to encounter humidity wherever there is water vapour. We produce water vapour when bathing, cooking, washing-drying clothing, and even breathing or sweating. When a home's insulation fails, humidity occurs. Houses are usually humidified by the action of the walls absorbing rainwater, and the temperature within those walls. Window edges should also be well silicone. In this way, the humidity that may occur between the window and the wall is prevented. On the other hand, it may be faced with humidity due to the windows that are made at the best possible level. The humidity inside may not be able to escape due to a well-insulated window. If sweating is observed frequently on the window glass, it means there is a moisture problem. In such situations, it is advisable to place the glass open and pursue a solution to the moisture issue rather than covering it with thick curtains. Since fungus forming can be seen on the curtains when both the glass and the curtain are left closed.

Why Do We Need Dehumidification?

Floods, water-damaged buildings, construction projects, humid areas, valuable property storage, and maintaining human comfort all need dehumidification. In addition to the humidity in the environment, the humidity of the environment increases due to the addition of moisture that comes from the people in the environment through breathing, water vapour formed in the kitchen or bathroom. As a result, the need for dehumidification rises evermore.

The following are some examples of conditions that necessitate dehumidification.

- **Fungus and mold growth**
- **Increase of microorganism and bacterial activities**
- **Electronic devices stop working.**
- **Corrosion**
- **Destruction in buildings**
- **Moisture damage to goods or objects**
- **Discomfort and annoyance as a result of the humid indoor environment**

Corrosion occurs in metals at high humidity levels. In humidity bathrooms or living areas, mold and fungus may develop. These systems can easily eliminate flood damage. Fungus and mold-related odours may be removed. New buildings can be made available more quickly.

What are the Harms to Health?

Mold allergy can be seen in people depending on humidity. Nasal discharge, scratching, sneezing, or eye tearing can occur as a result of a mold allergy. Sometimes a cough problem may occur and a problem with shortness of breath may begin. Shortness of breath causes problems such as wheezing and snoring, especially at night; we can mention the severe harm it does to the respiratory system. Asthma attacks can occur in humidity homes. Rheumatism, on the other hand, can be seen as a result of the house's humidity. Joint pain due to humidity, weakness and insomnia related to odour may also be experienced. It is necessary to stay away from humidity houses if possible, and if this is not possible, it is necessary to combat moisture.



How to Prevent Humidity?

Isolation is unquestionably the strongest measure against humidity. It is extremely unlikely to have a moisture problem in well-insulated houses.

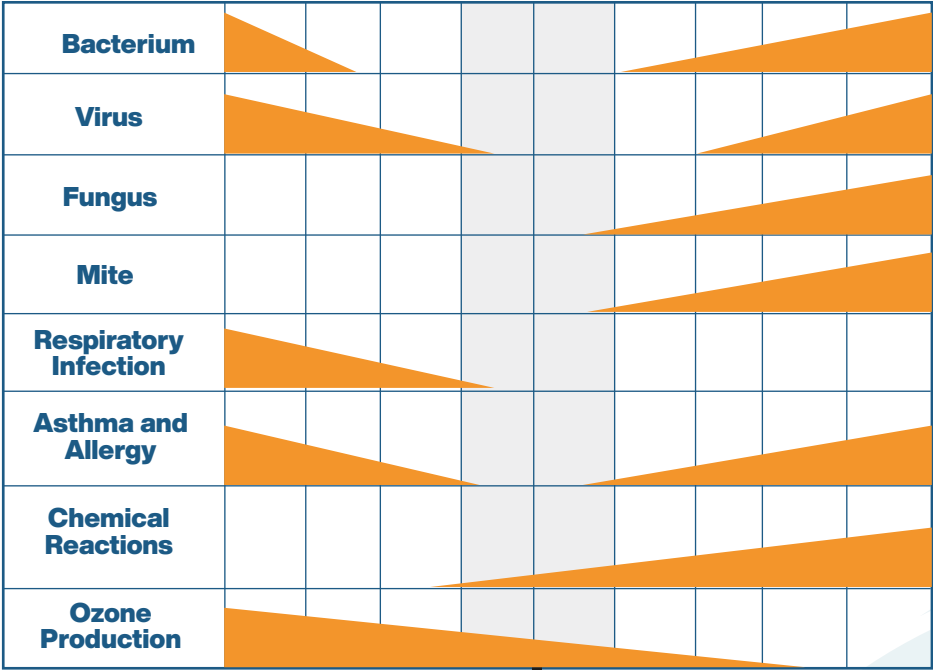
Humidity is dried by dehumidifying the air with household type dehumidifiers, without harming any living things and belongings in your home. A comfortable and healthy environment is offered to you.

Dehumidifiers for the home provide reliable and clean dehumidification. They guard against moisture, mold, rust, and harmful bacteria. They play an important role in protecting your electronic devices from corrosion, keeping structures from moisture, and making sure people have properly conditioned air.

Necessary Humidity Values for Ideal Comfort

Some values, such as metabolic activity and airspeed, are taken into account when determining the optimum humidity values for ideal comfort and indoor air quality for people. Patients with asthma and heart disease, in particular, are affected far more quickly than healthy people from environments with poor-quality temperature and humidity. Furthermore, the optimal humidity and temperature levels required for most bacteria, viruses, and other microorganisms to multiply and reproduce have a negative impact on human life.

Optimum Humidity Value For Ideal Comfort And Indoor Air



Optimum Relative Humidity %45 - %55

Household Dehumidifier

Dehumidifiers in the home prevent the formation of mold, fungus, humidity, and harmful bacteria, as well as diseases like asthma, legionnaires' disease, and rheumatism.

These devices absorb excess moisture from the atmosphere into granules or store it as water in their reservoirs as a principle of operation. Some versions of these products, also described as moisture masks, destroy unhealthy organisms in the air and provide cleaner indoor air.

THD-12S



THD-12C

Features

- Portable and stylish design
- Plug & Play system
- Easy to control with LED screen
- Silent Operation
- Ionizer
- Fan control speed setting
- Timer



Technical Features of Household Dehumidifiers

THD-16**THD-10****THD-20****THD-25**

MODEL

THD-06 THD-10 THD-12S THD-12C

DEHUMIDIFICATION
CAPACITY
(30°C- RH 80%)

0,6 kg/day

10 kg/day

12 kg/day

12 kg/day

RECOMMENDED
MAX. ROOM AREA

10 m²

20 m²

25 m²

25 m²

HUMIDITY
CONTROL RANGE

%40 - %80

%40 - %80

%40 - %80

%40 - %80

RATED POWER

0,08 kW

0,21 kW

0,23 kW

0,18 kW

OPERATION
CURRENT

0,67 A

1,2 A

1,3 A

0,95 A

POWER SUPPLY

220 V – 50 Hz

220 V – 50 Hz

220 V – 50 Hz

220 V – 50 Hz

REFRIGERANT

Peltier

R134A

R134A

R290

OPERATING
TEMPERATURE
RANGE

5 °C – 35 °C

5 °C – 35 °C

5 °C – 35 °C

5 °C – 35 °C

SOUND LEVEL

≤ 30 dB(A)

≤ 45 dB(A)

≤ 45 dB(A)

≤ 36 dB(A)

AIR FLOW

180 m³/h

120 m³/h

120 m³/h

120 m³/h

LED CONTROL
PANEL

Available

Available

Available

Available

FAN SPEED
CONTROL

Available

Available

Available

Available

AUTOMATIC
DEFROST

Available

Available

Available

Available

IONIZER

Available

Available

Available

Available

TIMER

Available

Available

Available

Available

AUTOMATIC
DELAY RELAY

Available

Available

Available

Available

CONTROL TYPE

Electronic

Electronic

Electronic

Electronic

DRAIN PIPE

Water Tank

Water Tank /
Hose

Water Tank /
Hose

Water Tank /
Hose

WATER TANK
VOLUME

1,8 lt

1,5 lt

1,5 lt

2,0 lt

NET WEIGHT

2,4 kg

10 kg

11 kg

12 kg

DEVICE
DIMENSIONS
(mm)

210 x 155 x 345

280 x 170 x 485

290 x 170 x 512

280 x 200 x 500

PACKAGE
DIMENSIONS (mm)

265 x 210 x 405

338 x 228 x 528

340 x 220 x 565

344 x 264 x 555

Note: The ability to resume the last working position of the device when power is restored in case of power cuts.

MODEL	THD-16	THD-20	THD-25	
DEHUMIDIFICATION CAPACITY (30°C- RH 80%)	16 kg/day	20 kg/day	25 kg/day	
RECOMMENDED MAX. ROOM AREA	30 m²	30 m²	30 m²	
HUMIDITY CONTROL RANGE	%40 - %80	%40 - %80	%40 - %80	
RATED POWER	0,34 kW	0,38 kW	0,38 kW	
OPERATION CURRENT	2,0 A	2,0 A	2,2 A	
POWER SUPPLY	220 V – 50 Hz	220 V – 50 Hz	220 V – 50 Hz	
REFRIGERANT	R134A	R290	R290	
OPERATING TEMPERATURE RANGE	5 °C – 35 °C	5 °C – 35 °C	5 °C – 35 °C	
SOUND LEVEL	≤ 45 dB(A)	≤ 45 dB(A)	≤ 45 dB(A)	
AIR FLOW	180 m³/h	120 m³/h	120 m³/h	
LED CONTROL PANEL	Available	Available	Available	Available
FAN SPEED CONTROL	Available	Available	Available	Available
AUTOMATIC DEFROST	Available	Available	Available	Available
IONIZER	Available	Available	Available	Available
TIMER	Available	Available	Available	Available
AUTOMATIC DELAY RELAY	Available	Available	Available	Available
CONTROL TYPE	Electronic	Electronic	Electronic	Electronic
DRAIN PIPE	Water Tank	Water Tank / Hose	Water Tank / Hose	Water Tank / Hose
WATER TANK VOLUME	5,5 lt	4,0 lt	6,5 lt	
NET WEIGHT	14,5 kg	14 kg	14,5 kg	
DEVICE DIMENSIONS (mm)	335 x 240 x 587	343 x 237 x 570	340 x 240 x 500	
PACKAGE DIMENSIONS (mm)	385 x 286 x 625	403 x 298 x 652	395 x 290 x 653	

Note: The ability to resume the last working position of the device when power is restored in case of power cuts.

How to Drain Condensed Water in Household Dehumidifiers

Household dehumidifiers include a water tank as well as a drainage hose from which the water is discharged. To prevent the water tank from overflowing, all appliances have an automatic shut-off and warning system.



Portable Air Conditioning

For areas where wall air conditioners are not an option due to design or construction constraints, mobile air conditioners are the best option. Technowell mobile air conditioners are the ideal climate control solution for air conditioning your room. Carry cool breezes with you from room to room, house to house, or home to work.

TAC-7**TAC-9**

Features of Portable Air Conditioners

- Provides A class air conditioning efficiency.
- The timing system can provide air conditioning at the desired time.
- It ensures the best possible distribution of air in the room.
- It can be conveniently relocated to any space that needs ventilation thanks to its handles and rear wheels.
- It provides comfort with easy filter removal and cleaning feature.
- It has a remote control that makes it simple to use.
- It has a compact and stylish structure that can adapt to all places.

TAC-12



TAC-9H



MODEL	TAC-7	TAC-9	TAC-12
COOLING CAPACITY	7.000 Btu	9.000 Btu	12.000 Btu
AIR FLOW	250 m ³ /h	330 m ³ /h	470 m ³ /h
COOLING RATED POWER	770 Watt	950 Watt	1.340 Watt
COOLING OPERATION CURRENT	3,5 A	4,3 A	5,8 A
EER	2,0	2,0	2,0
REFRIGERANT	R290	R290	R290
REFRIGERANT AMOUNT	120 gr	200 gr	250 gr
SOUND LEVEL	≤ 65 dB(A)	≤ 65 dB(A)	≤ 65 dB(A)
TIMER	Available	Available	Available
REMOTE CONTROL	Available	Available	Available
INTELLIGENT CONTROL PANEL	Available	Available	Available
FAN SPEED CONTROL	Available	Available	Available
WINDOW SLIDER	Available	Available	Available
WINDOW DUCT	Available	Available	Available
TEMPERATURE DISPLAY	Available	Available	Available
POWER SUPPLY	220 V – 50 Hz	220 V – 50 Hz	220 V – 50 Hz
DEVICE DIMENSIONS (mm)	290 x 290 x 680	320 x 320 x 745	401 x 373 x 806
PACKAGE DIMENSIONS (mm)	402 x 370 x 860	416 x 382 x 940	454 x 445 x 1.002
NET WEIGHT	20 kg	26 kg	28,5 kg
GROSS WEIGHT	21 kg	28,5 kg	32 kg

MODEL	TAC-9-H
COOLING CAPACITY	9.000 Btu (2600 w)
HEATING CAPACITY	7.000 Btu (2050 w)
AIR FLOW	310 m ³ /h
COOLING RATED POWER	1.003 Watt
COOLING OPERATION CURRENT	4,5 A
HEATING RATED POWER	834 Watt
HEATING OPERATION CURRENT	3,8 A
EER	2,6
REFRIGERANT	R410A/R290
THERMOSTAT RANGE (°C)	16 - 32
SOUND LEVEL	≤ 65 dB(A)
POWER SUPPLY	220 V – 50 Hz
DEVICE DIMENSIONS (mm)	701 x 350 x 348
PACKAGE DIMENSIONS (mm)	884 x 405 x 379
NET WEIGHT	24 kg
GROSS WEIGHT	27 kg

Easily Move

With the support of its legs, the portable air conditioner is easy to transport. You can move it by just pushing or pulling. You can move the air conditioner between the rooms in your home. Thus, your air conditioner will be available whenever you need it.

Homogeneous Air Distribution

It uniformly distributes air into the room you use thanks to its wide wing angles. In this way, you will benefit from the heat inside even though you are at a distance. It is ideal for large and wide spaces.

Harmonious and Modern Appearance

It will easily adapt to your furniture and room due to its simple structure. It is an air conditioner that will not spoil the elegance of your home or workplace.

Timer

By setting the timer, you can make your air conditioner turn off whenever you want. Even if you are not near the air conditioner when you make the requisite adjustments, it will work as you have set it. With the timer, you have the opportunity to save energy.

Portable Air Conditioner Window Kit

With the portable air conditioner window kit, the hot air formed in the device is thrown out of the window, while the entrance of the hot air outside is prevented. It is supplied with a portable air conditioner.



Compact Structure

It will not take up much room in your home or office due to its compact design. It fits comfortably even in small rooms and avoids a cluttered look in its surroundings.

Fast Cooling

The air conditioner will quickly and efficiently begin cooling the room, bringing the temperature to the desired level. It will keep you from feeling cold or sweating since it will quickly reach the ideal temperature.

No Disturbing Sound Level

The air conditioner makes a noise below 65 dB (A) in operation. You will not be bothered by this sound level. While the air conditioner, which allows 24-hour use, is running, you can sleep, study, and finish your job. It will not distract you and create a peaceful environment.

Remote Control

It can be controlled very easily thanks to its easy-to-understand simple design. In this way, with its versatile control, you can make all adjustments quickly and practically. At the same time, the panel on it allows you to easily make the settings you desire.

Sleep Mode

When you use the remote to pick the smart sleep mode, you will be more relaxed during your 8-hour sleep time. Simultaneously, it senses your sleep stages and begins to emit heat in response.





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