



WITH AUTO RESTART



PROFESSIONAL AIR DEHUMIDIFIER MODEL **KT-800 ECO**

Technical sheet with latest revision 04/2024

Suitable for new or under construction buildings, laundry rooms, warehouses, libraries, museums and more.



CODE

Product code: KT-800 ECO

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DESCRIPTION

The KT-800 ECO professional portable air dehumidifiers of the KT series are high-performance appliances, equipped with a sturdy steel frame painted with epoxy resins and mounted on 4 swivel wheels that facilitate movement. They have a high-efficiency polyurethane air filter, washable and easily replaceable, and a very large condensate collection tank with the possibility of direct discharge. The main feature of all the professional portable models of the KT series is the evaporation coil made up of smooth aluminum tubes. This unique arrangement derived from professional dehumidifiers allows for lower power consumption of the appliance, with very high efficiency even at low relative humidity. All models include defrost timer and hot gas defrost (+1/+35°C working range).

Portable dehumidifiers are devices suitable for humidity control. They have a washable dust filter and a condensate collection tray. The units are controlled by an electronic microprocessor board which manages all the unit functions: general operation, automatic defrosting system, alarms and humidity regulation.



Control panel

Dehumidified area outlet



Water intake filter

Condensate collection tank

VERSION

KT-800 ECO working range +1/+35°C
With automatic restart

APPLICATIONS

The KT-800 ECO model portable air dehumidifier for professional use is extremely efficient in rooms with excess humidity, such as: new buildings or buildings under construction, laundries, homes, taverns, second homes, warehouses, archives, underground rooms and basements in general, libraries, museums, new rooms, flooded rooms or rooms undergoing restoration, rooms for laying wooden or resilient floors, basements, garages and attics.

ACCESSORIES

Hot gas defrosting
Hour counter
Electronic control
High efficiency washable air filter
Side handles

Replacement air filters (OPTIONAL)
Condensate drain pump on board (OPTIONAL)
Wall support brackets (OPTIONAL)
Energy meter (OPTIONAL)

PRODUCT FEATURES

Frame:

The frame and the plates are hot-dip galvanized, epoxy powder coated, ensuring high resistance and durability.

Compressor:

Rotary compressor, mounted on vibration dampers.

Cooling circuit:

Evaporator: the evaporation coil is made up of smooth aluminum tubes. The smooth pipes guarantee a high performance of the dehumidifier, significantly reducing energy consumption, even at low relative humidity.

Condenser: the coil is made of copper tubes and aluminum fins, the large fin size of the condenser ensures dust resistance, long life and easy maintenance of the machine.

Condensate collection tank:

The condensate collection tank, installed as standard, is very large and can be easily removed. The machine is also ready for connection to a fixed condensate drain.

Fan:

Axial fan, statically and dynamically balanced, long life and durable.

Air filter:

The air filter, supplied as standard with the unit, is washable and easily replaceable. High efficiency filter.

Microprocessor:

Controls the hot gas defrost cycles, the compressor timer and the alarm board.

Control Panel:

Located on the top of the machine. Made according to the European regulations in force.

Checks: T

ests are carried out to check the tightness of the refrigerant circuit. Electrical discharge tests and functional tests are also performed.

Technical standards:

This dehumidifier meets the essential requirements included in the European Community Directives 2014/35 / EU of February 26, 2014 on the safety of electrical products for use in Low Voltage; 2014/30 / EU of February 26, 2014 relating to electromagnetic compatibility. Conformity is declared with reference to the following harmonized technical standards: EN 60335-1, EN 60335-2-40, EN 55014-1, EN 55014-2, EN 50581 Other standards and technical specifications applied: EN 378-2, IEC 60335-2-40: 2018 with R1234yf refrigerant. We also declare that the product is manufactured in accordance with the applicable RoHS Directive, i.e. 2011/65/EU.



Dust collector filter



Evaporator protection grille



Side handles



Front grille



Digital display



Water collection tank

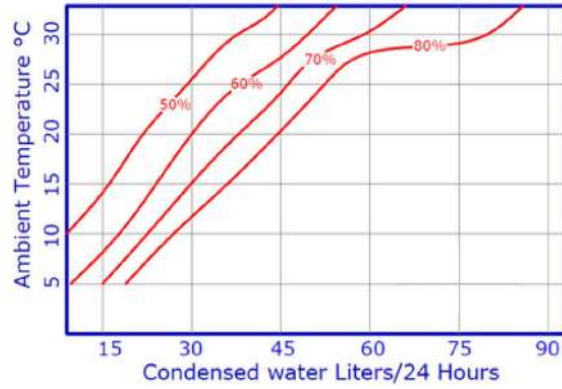


Direct condensate drain



Swivel wheels

PERFORMANCE



10°C - 60% u.r.	18 l/24h	25°C - 60% u.r.	37 l/24h
10°C - 80% u.r.	26 l/24h	25°C - 80% u.r.	52 l/24h
15°C - 60% u.r.	24 l/24h	27°C - 60% u.r.	44 l/24h
15°C - 80% u.r.	37 l/24h	27°C - 80% u.r.	56 l/24h
20°C - 60% u.r.	30 l/24h	30°C - 80% u.r.	80 l/24h
20°C - 80% u.r.	45 l/24h	32°C - 90% u.r.	96 l/24h

TECHNICAL DATA

Voltage	230 V 1 ph 50 Hz
rated power average absorbed (27°C, 60% RH)	1000 W
Maximum absorbed power (α 35°C, 70% RH)	1200 W
Nominal current (α 28°C, 55% RH)	6 A
Inrush current L.R.A.	21 A
Air flow	1000 m ³ /h
Sound pressure level Lps (at 3m in free field)	52 db (A)
Operating range temp.	1-32°C
Refrigerant	R1234yf
Condensate container capacity	14 Kg
Condensate drain connection on the machine	3/4"
operating range temp. (with hot gas defrost)	+1/+35°C
Relative humidity operating range (<30°C)	35 - 93%
Nominal condensing capacity (30°C-80%)	80 l/d
Nominal condensing capacity (32°C-90%)	96 l/d
Length	520 mm
Height	920 mm
Depth	420 mm
Weight	56 kg
Width (with packaging)	580 mm
Height (packed)	950 mm
Depth (packed)	470 mm
Weight (packed)	58 kg

The units are equipped with a lighted signal panel which indicates the operating status of the unit.



Power: This LED is on if the appliance is enabled to work (via the ON-OFF key) If the machine is connected to the power supply, the display indicates the relative humidity value.

Alarm: This LED, when lit, indicates the presence of an alarm. The display will show the error message.

Working: This LED is on while the device is in operation. Flashes during compressor pauses and defrosts.

Full: This LED, if lit, indicates that the tank is full or the pump in alarm (if provided).

On/Off: Press the ON / OFF button to turn the appliance on and off. Note: When the appliance is switched off and immediately switched on, the compressor does not start immediately. After 210 seconds, the device restarts.

Set humidity %: Press the keys to set the desired set point value.

Hour counter: Press the HOURS button to view the operating hours.

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The manufacturer reserves the right to make improvements to its products without notice. Features may vary depending on changes made for any customizations.