



AIR DEHUMIDIFIER FOR FURNISHING MODEL **KPS-120 ECO**

Technical sheet with latest revision 09/2023

Suitable for swimming pools, locker rooms, shower rooms, gymnasiums, dance halls and more.



Product code:	KPS-120 ECO
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The control of relative humidity in the air is particularly appreciated in swimming pools or changing rooms as, especially in the autumn and winter months, condensation problems are very often extremely serious. In addition to being used in swimming pools, shower rooms and changing rooms, our machines find optimal applications in gyms, dance halls and in general in all structures used for sporting activities. In fact, the activity of the athletes, in addition to the more or less frequent use of the shower rooms and the changing rooms of the gyms, inevitably leads to an excess of relative humidity present in the air with consequent deterioration of the equipment and furnishings. Machine of great reliability and characterized by high performance in terms of condensation capacity and therefore reduction of relative humidity inside the rooms. Dehumidifier particularly suitable for heavy duties or if it is necessary to treat large quantities of air. Peculiarity of our machine is the particular positioning that can be carried out both on the floor and on the wall with an appropriate system of brackets. Available in two versions: furnishing and ductable.

The KPS-120 ECO decorative dehumidifier for swimming pools is a high performance device, usable in multiple applications, resistant to corrosion due to chlorine. It has a washable and easily replaceable high-efficiency polyurethane filter, possibility of direct discharge or with the optional installation of a condensate lifting pump which allows the condensate to be sent up to a height of 3.5 meters from the positioning level of the machine.

STRUCTURE: All units are made of galvanized sheet metal and painted with enamel at 180°C polyurethane powders to ensure the best resistance to atmospheric agents. The structure is self-supporting.

CONDENSATE COLLECTION CONTAINER: In anti-corrosion stainless steel, connection for the condensate drain pipe: ¾" Female.

FAN: Centrifugal fans are used.

AIR FILTER: Made of synthetic material, the air filter is washable and easily replaceable.

DIGITAL CONTROL PANEL DEHUMIDIFIER FUNCTIONS: The installation must comply with the safety standards and laws in force, if necessary provide a general disconnect switch, if necessary.

TESTING: Tightness tests of the refrigerant circuit, electric discharge tests and functional tests are carried out.

REFERENCE TECHNICAL STANDARDS

This dehumidifier satisfies the essential requirements contained in the European Community Directives 2006/95/CE of 12 December 2006 regarding the safety of electrical products to be used in Low Voltage; 2004/108/EC of 15 December 2004 regarding Electromagnetic Compatibility; 2006/42/EC of 17 May 2006 regarding machine safety.

Conformity is declared with reference to the following harmonized technical standards: CEI-EN 60335-2-40, CEI-EN 55014-1, CEI-EN 55014-2.

We also declare that the product is manufactured in compliance with the RoHS Directive in force, i.e. 2002/95/EC, implemented with Legislative Decree 25 July 2005 n.151 (article 5).



Control panel



Adjustable ejection grilles



Front



Back



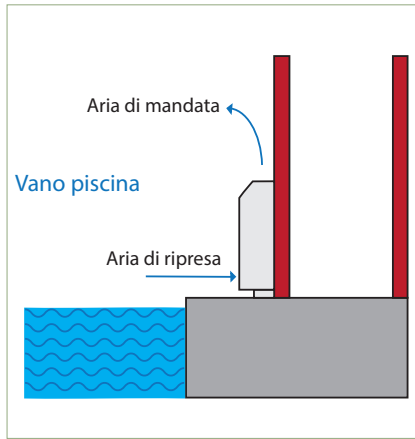
Ventilation



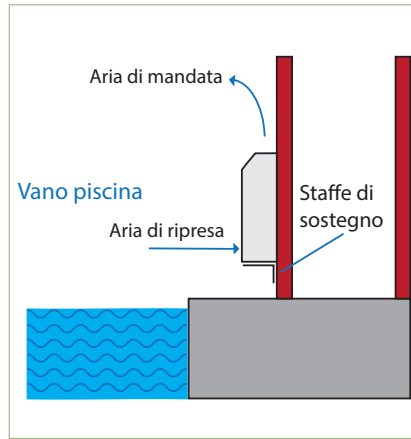
Electrical cabinet



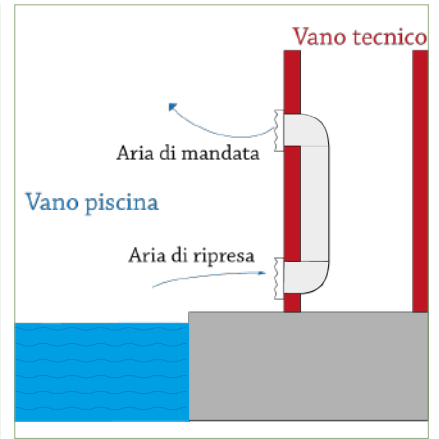
Suction dust collector filter



(1) Floor version



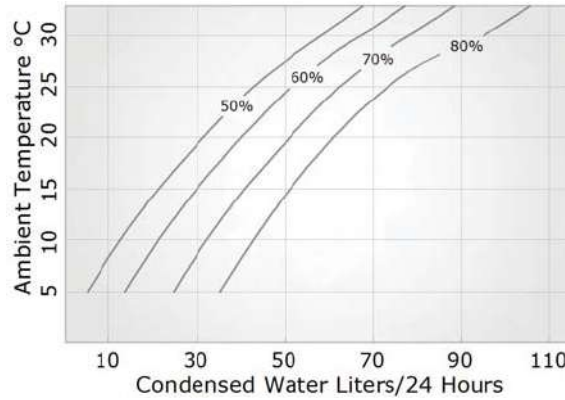
(2) Wall version



(3) Ducted version

Average nominal absorbed power (27°C - 60% R.H.)	1390 W
Maximum absorbed power (35°C - 70% U.R.)	1610 W
Maximum absorbed current (35°C - 70% R.H.) F.L.A.	7.5 A
Maximum absorbed power with electric heaters (35°C - 70% U.R.)	4350 W
Maximum current absorbed with electric heaters (35°C - 70% U.R.)	19.3 A
Inrush current L.R.A.	28 A
Nominal air flow	980 mc/h
Sound pressure level (3 meters in free field)	52 db (A)
Refrigerant	R410a
Condensate drain connection on the machine	3/4"
Level of protection	IPX2
Hot water coil heating capacity (ambient 27°C water 70/60°C)	3.2 kW
Electrical resistance power	2.7 kW
Operating range (temperatures)	7 ÷ 35°C
Operating range (relative humidity) T < 30°C	40 ÷ 99%
Operating range (relative humidity) T 30 ÷ 32°C	40 ÷ 90%
Operating range (relative humidity) T 32 ÷ 35°C	40 ÷ 70%
Standard available voltage	230/1/150
Length	1218 mm
Height	737 mm
Depth	248 mm
Weight	72 kg

DEHUMIDIFICATION CAPACITY



10°C 60%	10°C 80%	15°C 60%	15°C 80%	20°C 60%	20°C 80%	25°C 60%	25°C 80%	26,7°C 60%	27°C 80%	30°C 80%	32°C 90%
21	41	28	50	40	60	50	72	53	76	94	116

OPTIONAL ACCESSORIES

STAINLESS STEEL ELECTRIC HEATERS: Armored electric resistances in stainless steel.

HOT WATER EXCHANGER (H.W.C.): This coil can help heat the pool environment.

THREE-WAY ON/OFF VALVE (E.W.): Controls the flow of water inside the hot water exchanger. Controlled from the control panel of the machine.

ELECTRONIC REMOTE CONTROL BOARD: A complete board can be supplied for the remote control of humidity and remote temperature, up to a maximum of two meters from the dehumidifier.

CONDENSATE LIFTING PUMP: Optional in all versions, it replaces the condensate collection container and allows the condensed water to be expelled up to a height of 3.5 meters with respect to the position of the machine.

CONDENSATE COLLECTION CONTAINER: In anti-corrosion stainless steel, connection for the condensate drain pipe: 3/4" Female.

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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.