AIRMASTER
DEHUMIDIFIERS

AMT

The problem

An indoor swimming pool is a source of tranquillity and relaxation and may not be a source of annoyance. However, due to the difference between the pool water and the ambient air, the relative humidity can increase to 95% and even more. This will cause fungus, discoloring and other inconveniences.

The solution

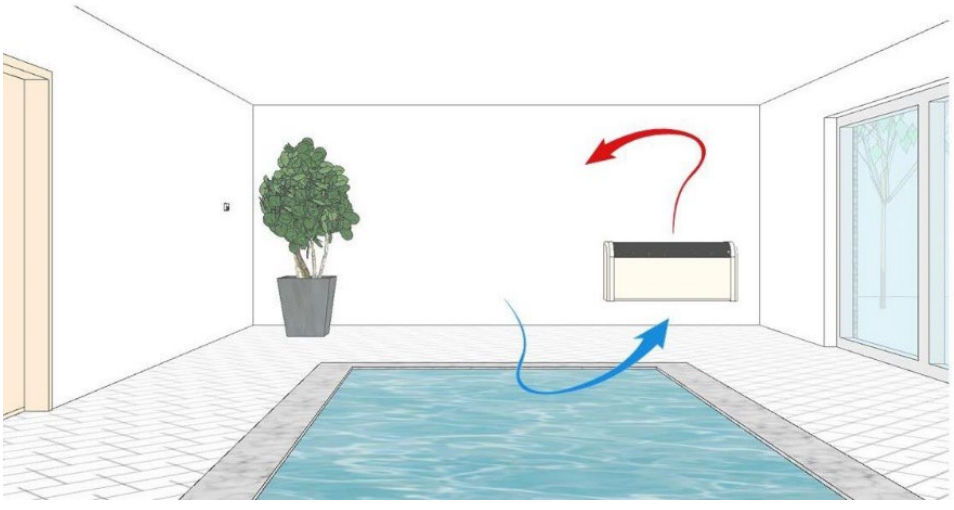
A professional dehumidifier that dehumidifies, heats and ventilates the ambient air sufficiently fast. The AIRMASTER works according to a cooling unit principle: a fan sucks in humid, warm air which is lead over a cold evaporator where the air is cooled to a temperature under the dew point. The moisture condenses and will be evacuated. The dried reheated air will be blown back in the room.

AMT Cabinet model

A combination of synthetic fiber and galvanized plate, epoxy lacquer in textured RAL9001 and provided with a curved anodized aluminum grid.

AMT cabinet model for pool areas from 100 up to 230 m³.
Dehumidification capacity of 65 up to 140 l/24 h.
For boiler regimes 80°C IN/60°C OUT.

An AMT cabinet model is installed in the pool room either on the floor or against a wall and is applied when there is no technical room available.



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Options

According its size, each unit can be provided with several interchangeable options, which - like the basic unit – are adapted to the needs and wishes of the end user and in the first instance are meant to create an optimal life comfort.

- Hot water battery (B) with an optional built-in three-way valve
- Electrical heating (BE) control included
- Swimming pool condenser that will discharge excessive heat to the pool water

Accessories

- "All or nothing" control devices: hygrostat, hygrothermostat, remote display.
- Condensate pump

			Vac/ph/Hz = 400/3/50	-	100	140
			Vac/ph/Hz = 230/1/50	*65*	*92M*	*142M*
BASIC UNIT						
Dehumidification capacity *			gr/h	2791	3791	6000
Nominal current	3 x 400 V		A/ph	-	3,3	4,1
	1 x 230 V		*A*	*5*	*5,9*	*8,5*
Air flow			m^3/h	650	940	1400
Noise level			dB(A)(NR)	54(50)	54(48)	52(50)
Dimensions		L	mm	1305	1305	1505
		B	mm	350	350	350
		H	mm	680	680	680
Weight			kg	72	77	115
HOT WATER BATTERY B						
Nominal output **			kW	7	9	13
ELECTRICAL HEATING BE						
Output			kW	3	3 / 6	6
Inclusive control					Singe stage	
Nominal current	3 x 400 V		A/ph	-	4,33 / 8,8	8,8
	1 x 230 V		*A*	*13*	*13 / 26*	*26*
SWIMMING POOL CONDENSER C						
Output			kW	3,62	4,66	6,63

* At 30 °C AT° and 70% RH ** At 80/60 °C WT° and 20 °C AT°

Under restriction of amendments

Minimum working range at 50% RH	10 °C
Maximum working range at 70% RH	34 °C
Control	24 VDC