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 AMT 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 and provided with a curved anodized aluminum grid. Both are epoxy lacquer in textured RAL9016 or RAL9005 (by choice)

AMT cabinet model for pool areas from 65 up to 230 m³.
Dehumidification capacity of 40 up to 140 l/24 h.
For boiler regimes 80°C IN/60°C OUT.
Available in the following colors:

- RAL 9016 = White
- RAL 9005 = Black

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) which can be provided with a 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

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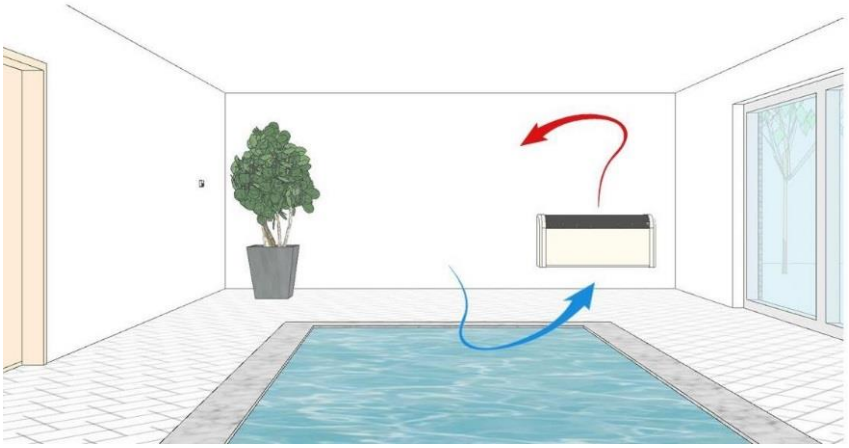
An AMT cabinet model is installed in the pool room either on the floor or against a wall and is applied when there is no technical room available.



		Vac/ph/Hz = 400/3/50	-	-	100	140
		Vac/ph/Hz = 230/1/50	40	65	92M	142M
	Basic Unit					
Dehumidification Capacity *		gr/h	1667	2791	3791	6000
Nominal Current	3 x 400V	A/ph	-	-	3,3	4,1
	1 x 230V	A	3,4	5	5,9	8,5
Air Flow		m³/h	400	650	940	1400
Noise Level		dB(A)(NR)	50(45)	54(50)	54(48)	52(50)
Dimensions	Lenght	mm	1052	1342	1342	1542
	Width	mm	346	346	346	346
	Height	mm	670	670	670	670
Weight		kg	*53*	*72*	*77*	*115*
	Hot Water Battery					
Nominal Output **		kW	3,5	7	9	13
	Electrical Heating					
Output		kW	3	3	3 / 6	3 / 6
Control			Single-stage control			
Nominal Current	3 x 400 V	A/ph	-	-	4,33/8,8	8,8
	1 x 230 V	A	13	13	13 / 26	26
	Swimming Pool Condenser					
Output		kW	-	3,62	4,66	6,63
* At 30 °C AT° and 70% RH	** At 80/60 °C WT° and 20°C AT°				*Preliminary Data*	

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