

**SOLUTIONS**



**DEHUMIDIFIERS  
OF THE  
DS SERIES**



**PROFESSIONAL  
SOLUTIONS  
FOR INDOOR  
SWIMMING POOLS  
OR SPAS**



 **TROTEC**  
AT WORK.



## SWIMMING POOL HALL DEHUMIDIFIERS

DS series for highly efficient moisture control and heat recovery in indoor swimming pools or spas

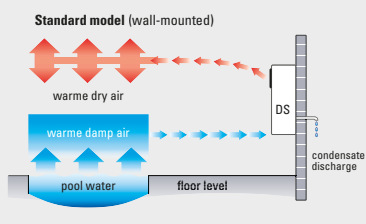
**Be it an indoor swimming pool, spa or wellness centre - for all areas, efficient room humidity control is a must to ensure the comfort of visitors and to minimise damage to the building and its contents.**

DS 30 and DS 60 are specifically developed for swimming pool hall dehumidification and include quiet running and powerful radial fans, insulated compressors and polyester-coated heat exchanger surfaces to protect against corrosion.

Both wall-mounted units are easy to install, work fully automatically and can extract large amounts of moisture from the room air, even in air temperatures as low as 5 °C.

The energy absorbed during the process of dehumidification is turned into warmth and directly used for heating the room, which further increases the device's efficiency. As an example, for every unit of electricity that the units consume they will give 2.5 kw of heat back to the room.

- Professional quality "made in Germany" - originally produced by Trotec
- Especially developed for use in wet rooms
- High dehumidification performance with optimum heat recovery
- Low specific energy consumption - extremely high economic efficiency
- Corrosion-protected construction made of fibreglass-reinforced plastic - easy to clean
- Powerful air circulating radial fan
- Compressor housed in a sealed compartment
- Heat exchanger with corrosion-resistant CDC coating
- Infinitely adjustable hygrostat
- Fully automatic operation
- Wall mounting kit included



As standard all pool dehumidifiers come equipped with internal heat recovery, thus automatically utilizing the released process heat for low-cost heating of the room air.



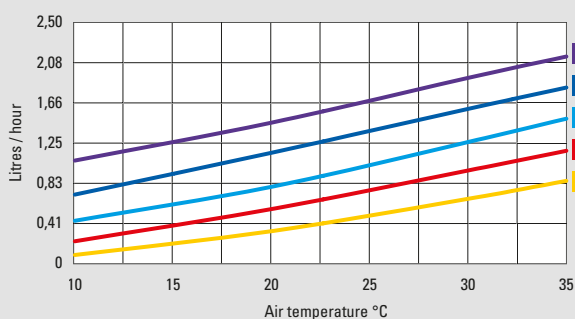
Technical data		DS 30	DS 60
Article number		1.125.000.319	1.125.000.335
Dehumidification performance		see performance charts	
Suitable for tank sizes of up to [m <sup>2</sup> ] <sup>1</sup>		25	50
Air volume freely blowing [m <sup>3</sup> /h]		700	1,280
Input voltage [V/Hz]		230 / 50	230 / 50
Nominal current / Fuse [A]		4.4 / 16	7.5 / 16
Electrical connection (plug)		CEE 7/7	CEE 7/7
Power input [kW]		0.75	1.2
Heat emission <sup>2</sup> [kW]		1.9	3.5
Coefficient of performance (C.O.P.) <sup>2</sup>		2.5	2.9
Refrigerant* type / quantity [g]		R-407C / 500	R-407C / 800
GWP factor* / CO <sub>2</sub> equivalent* [t]		1,774 / 0.89	1,774 / 1.42
Sound level (distance 3 m) [dB(A)]		50	52
Operating range	Temperature [°C]	0 to 40	0 to 40
	max. RH [%]	90	90
Length [mm]		265	265
Width [mm]		800	1,265
Height [mm]		665	665
Weight [kg]		46	70
Type of protection		IP45	IP45
Automatic hot gas defrosting		yes	yes
Integrated hygrostat		yes	yes
External room hygro thermostat		optional	optional
Heat recovery		optional	optional
Heat emission to water [kW]		1.4	2.8
Condensate discharge connection [mm]		10	10
Optional accessories		DS 30	DS 60
External condensate pump		Article number 6.100.000.019	

<sup>1</sup> for private indoor swimming pools; calculation basis: evaporation of 1.2 litres per square metre of pool per day (room temperature 30 °C, humidity 60 % RH, water temperature 27 °C). Changing parameters such as the frequency of use or the type of pool cover require an individual recalculation of capacity requirements.

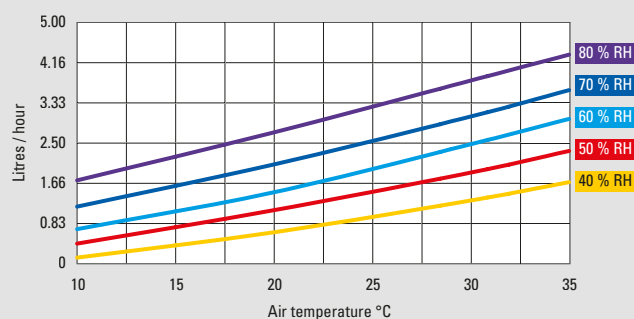
<sup>2</sup> at 30 °C and 75 % RH (The energy efficiency ratio COP ["coefficient of performance"] indicates the ratio between the generated cooling performance and the electrical power input)

\* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

**Dehumidification performance DS 30**



**Dehumidification performance DS 60**



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### Best conditions for your success

With corporate divisions for industrial equipment, rental appliances and services that are linked up intelligently, the Trotec Group is one of the prime international addresses for professional complete solutions regarding climate control and measuring technology for building diagnostics.

We can offer our industry expertise acquired over many years, products of a high quality and a comprehensive range of services - all from a single source!

We will be pleased to advise you personally and in detail. Feel free to contact us by phone or e-mail - we look forward to your inquiry.

