

Dantherm[®]
CLIMATE SOLUTIONS



PRODUCT GUIDE

DH 20-35-65-120

CONDENSATION DEHUMIDIFIERS FOR A WIDE RANGE OF COMMERCIAL AREAS
AND SWIMMING POOL BUILDINGS

DANTHERMGROUP

DH 20



DH 20

The compact DH 20 condensation dehumidifier is designed to manage excess moisture in small commercial areas. It can remove up to 12.6 litres of moisture per day at 20°C and 60% relative humidity, effectively controlling humidity levels to prevent mould and mildew growth.

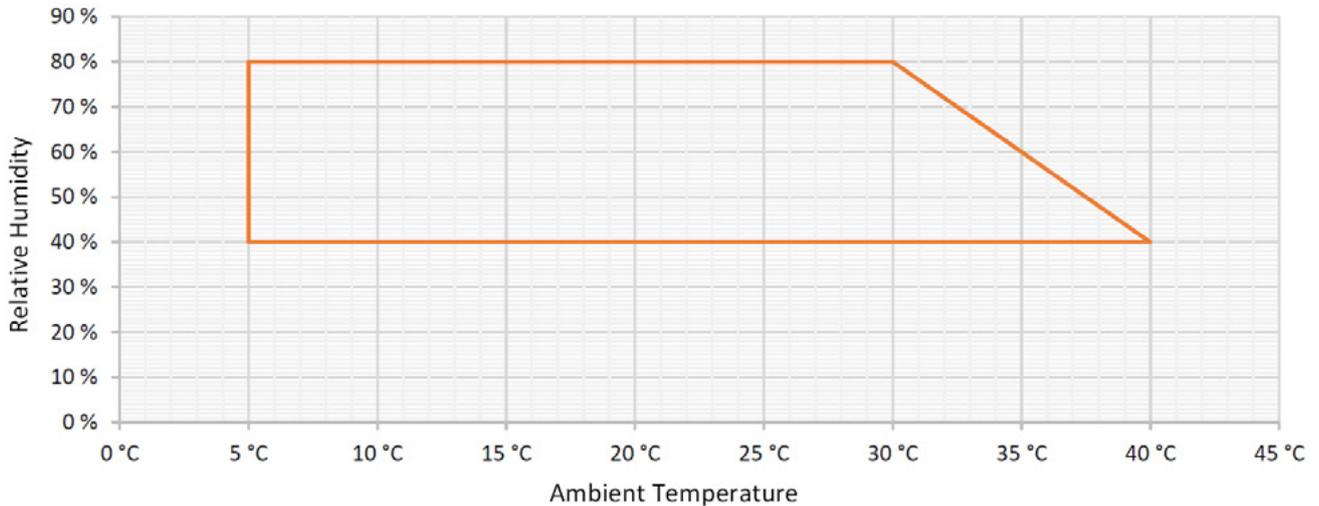
The wall-mounted unit has an easy-to-use control system that lets you set your desired humidity level. It features a durable aluminium housing with cataphoresis-painted coils for corrosion resistance as well as an electronic humidistat for precise control.



- Aluminium housing and cataphoresis painted coils for corrosion resistance
- Electronic humidistat for improved humidity control
- Designed for wall mounting
- Direct water drainage
- User-friendly dashboard
- Modern design
- Easy to install and use



DH 20

Operational range

Specifications	Units	DH 20
Operating temperature range	°C	5-40
Operating humidity range	%	40-95
Air flow	m ³ /h	375
Sound pressure level @ 1 m	dB(A)	51
Dehumidification capacity*	l/24h	18.4
Dehumidification capacity**	l/24h	12.6
Specific Energy Consumption*	kWh/l	0.66
Specific Energy Consumption**	kWh/l	0.82
Heat recovered*	kW	1.5
R290C gas weight/CO ₂ equivalent	kg/t	0.15/0.0005
Power supply	V/Hz	230/1ph/50
Power consumption, max	kW	0.6
Current, max.	A	3.0
Product size (W x D x H)	mm	900 x 350 x 365
Weight	kg/t	33

*30°C/60% RH, **20°C/60% RH

Swimming pool and commercial dehumidifiers
DH 35-35 H-65-65 H-65 LPHW



DH 35-65

The DH 35/65 condensation dehumidifiers are designed to manage excess moisture in swimming pool areas as well as commercial and industrial spaces. The wall-mounted units can remove up to 29.3 (DH 35) and 45.8 (DH 65) litres of moisture per day, effectively controlling humidity levels to prevent mould and mildew growth.

The dehumidifiers have been fitted with an easy-to-use control system that lets you set your desired humidity level. They feature a durable aluminium housing with cataphoresis-painted coils for corrosion resistance as well as an electronic humidistat for precise control. The factory-installed heating coil ensures a constant temperature within the room.



- Aluminium housing and cataphoresis painted coils for corrosion resistance
- Electronic humidistat for improved humidity control
- Factory fitted electrical and LPHW heating coils specified for 55°C water temperature
- Designed for wall mounting
- Direct water drainage
- User friendly dashboard
- Modern design
- Easy to install and use



DH 35

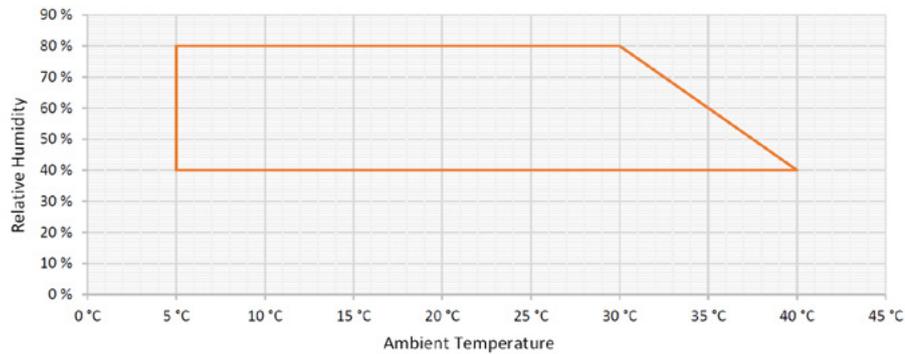


DH 65



Swimming pool and commercial dehumidifiers
DH 35-35 H-65-65 H-65 LPHW

Operational range



Specifications	Units	DH 35	DH 35 H	DH 35 LPHW	DH 65	DH 65 H	DH 65 LPHW
Operating temperature range	°C	5-40	5-40	5-40	5-40	5-40	5-40
Operating humidity range	%	40-80	40-80	40-80	40-80	40-80	40-80
Air flow	m ³ /h	500	500	500	800	850	850
Sound pressure level @ 1 m	dB(A)	49	49	49	48	48	48
Dehumidification capacity*	l/24h	29.3	29.3	29.3	45.8	41.6	41.6
Dehumidification capacity**	l/24h	20.2	29.3	29.3	31.9	41.6	41.6
Specific Energy Consumption*	kWh/l	0.72	0.72	0.72	0.57	0.57	0.57
Specific Energy Consumption**	kWh/l	0.83	0.83	0.83	0.65	0.65	0.65
Heat recovered*	kW	2.0	2.0	2.0	3.3	3.3	3.3
R454C gas weight/CO ₂ equivalent	kg/t	0.50/0.074	0.50/0.074	0.50/0.074	0.85/0.126	0.85/0.126	0.85/0.126
Power supply	V/Hz	230/1 ph/50	230/1 ph/50	230/1 ph/50	230/1 ph/50	230/1 ph/50	230/1 ph/50
Power consumption, max (compressor on)	kW	1.04	1.04	1.04	1.26	1.26	1.26
Current, max.	A	4.3	4.3	4.3	5.3	5.3	5.3
Product size (W x D x H)	mm	885 x 265 x 720	885 x 265 x 720	885 x 265 x 720	1306 x 265 x 720	1306 x 265 x 720	1306 x 265 x 720
Weight	kg/t	50	50	50	76	76	76

*30°C/60% RH, **20°C/60% RH

Electrical heater

Heat to air	kW	-	2.0	-	-	3.5	-
Power consumption, max (incl. elec. heater)	kW	-	3.04	-	-	4.76	-
Current, max.	A	-	13	-	-	21	-

Low Pressure Hot Water heater

Heat to air (@water: 80/70°C, air: 29°C)	kW	-	-	3.8	-	-	7.5
Heat to air (@water: 55/50°C, air: 29°C)	kW	-	-	1.9	-	-	3.8
Water flow rate	l/min	-	-	5.0	-	-	11.7
Pressure drop, water	kPa	-	-	3.5	-	-	17.3
Pipe connection size (diameter)	mm	-	-	15	-	-	15

DH 120-120 LPHW



DH 120

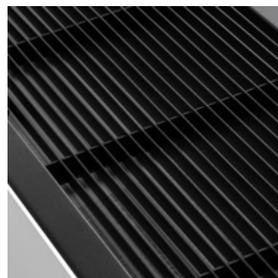
The DH 120 is a powerful condensation dehumidifier designed to manage excess moisture in swimming pool areas as well as commercial and industrial spaces. The floor-standing dehumidifier can remove up to 164.3 litres of moisture per day, effectively controlling humidity levels to prevent mould and mildew growth.

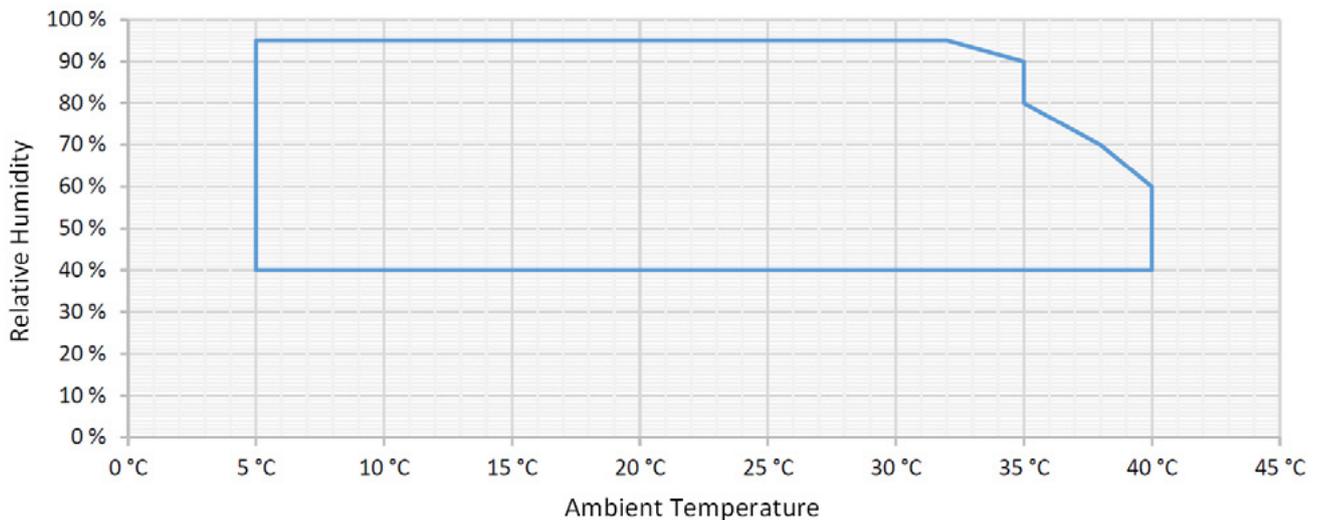
The dehumidifier has been fitted with an easy-to-use control system that lets you set your desired humidity level. It features a durable aluminium housing with cataphoresis-painted coils for corrosion resistance, an electronic humidistat for precise control, and the two fan speed modes Comfort and Boost.

The factory-installed low-pressure hot water heating coil is designed for water temperatures of 55°C.



- Aluminium housing and cataphoresis painted coils for corrosion resistance
- Electronic humidistat for improved humidity control
- Two fan speed modes – Comfort and Boost
- Factory-fitted LPHW heating coil specified for 55°C water temperature
- Designed as a floor-standing unit
- Direct water drainage
- User friendly dashboard
- Modern design
- Easy to install and use



Operational range

Specifications	Units	DH 120	DH 120 LPHW
Operating temperature range	°C	5-40	5-40
Operating humidity range	%	40-95	40-95
Air flow (comfort / boost)	m ³ /h	1067 / 1463	1200
Sound pressure level @ 1 m	dB(A)	51 / 56	51 / 56
Dehumidification capacity*	l/24h	99.6	99.6
Dehumidification capacity**	l/24h	68.5	68.5
Specific Energy Consumption*	l/24h	0.51	0.51
Specific Energy Consumption**	kWh/l	0.56	0.56
Heat recovered*	kWh/l	6.5	6.5
R454C gas weight/CO ₂ equivalent	kg/t	1.60/0.237	1.60/0.237
Power supply (incl. E plug and 3 m cable)	V/Hz	230/1ph/50	230/1ph/50
Power consumption, max (compressor on)	kW	2.56	2.56
Current, max.	A	11.6	11.6
Product size (W x D x H)	mm	1410 x 365 x 860	1410 x 365 x 860
Weight	kg/t	130	130

*30°C/60% RH, **20°C/60% RH ***35°C/80% RH

Low Pressure Hot Water heater

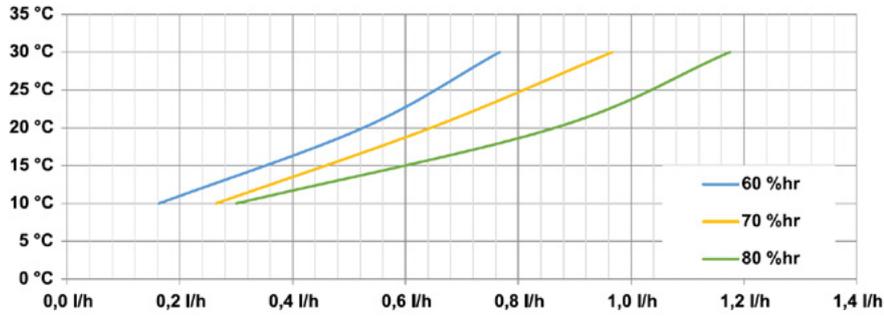
Heat to air (@water: 80/70°C, air: 29°C)	kW	-	15.9
Heat to air (@water: 55/50°C, air: 29°C)	kW	-	8.0
Water flow rate	l/min	-	23.3
Pressure drop, water	kPa	-	45
Pipe connection size (diameter)	mm	-	22

DH 20-35-65-120

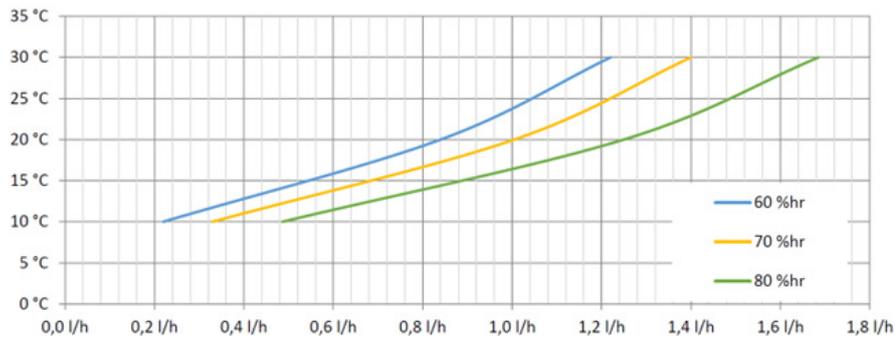


Dehumidification capacity

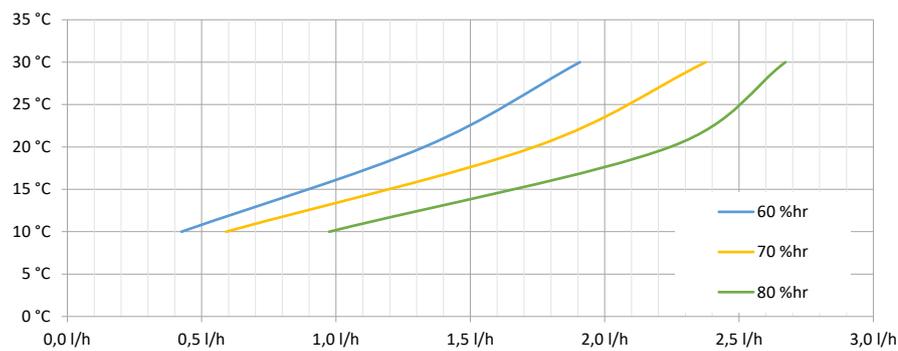
DH 20



DH 35

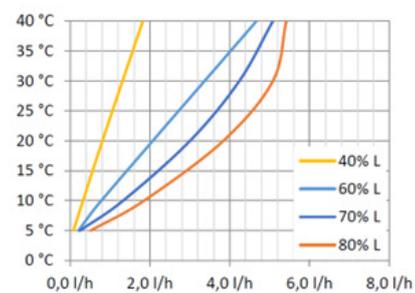


DH 65

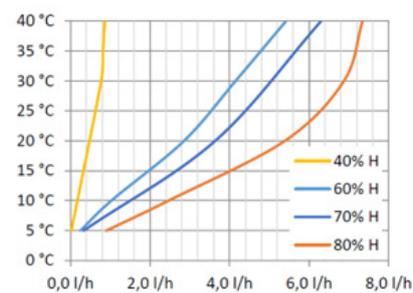


DH 120

"Comfort" mode



"Boost" mode

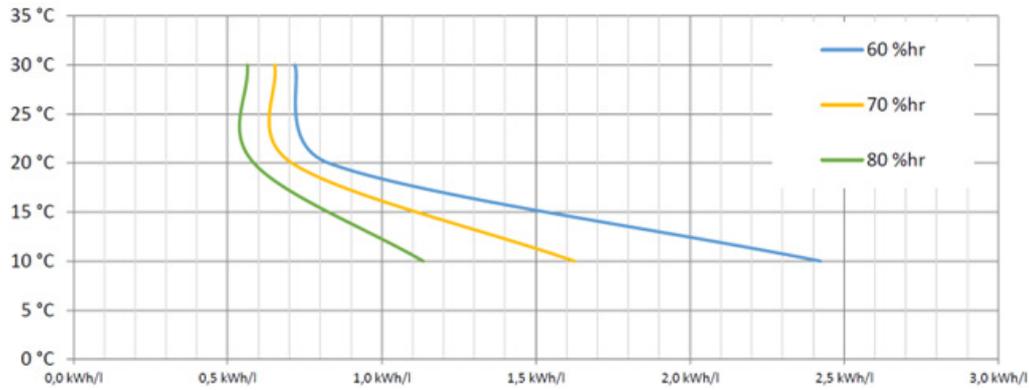


DH 20-35-65-120

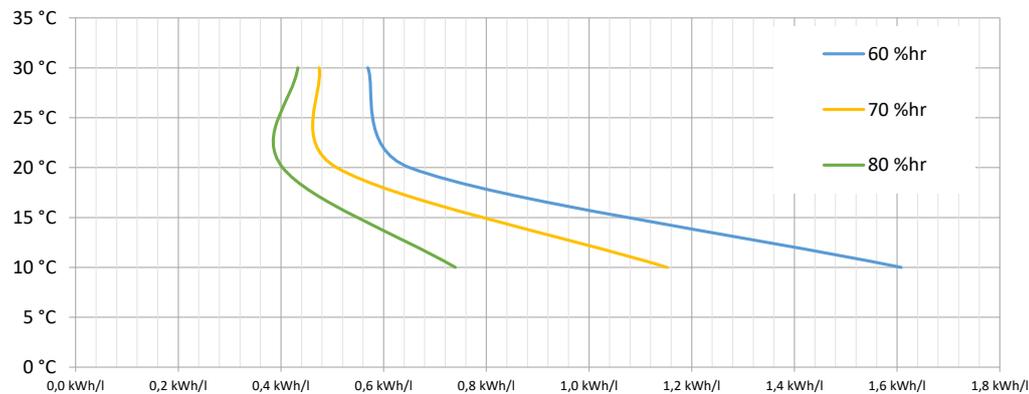


Energy factor

DH 35

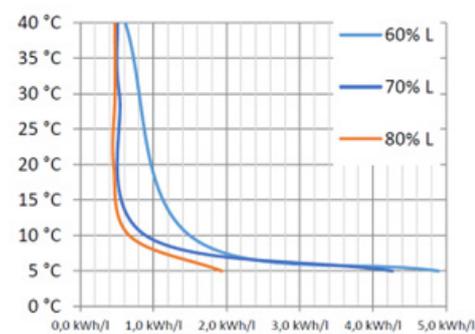


DH 65

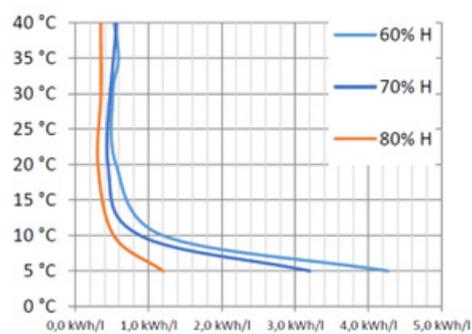


DH 120

"Comfort" mode



"Boost" mode



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