

Dry Coolers

DC-DH series



The DC-DH Series

The DC-DH series has been designed using modules of different sizes and suitable fans: this optimisation allows to get the highest cooling capacity with the smallest footprint.

Frame

In its standard version, each unit is manufactured with a pre-painted aluminium frame. On request, to meet the needs of the most diverse installation sites, we may quote for different surface treatments (epoxy paint, cataphoresis treatment, Blygold treatment) with the aim of preserving the life of the cooler over time.

Water/Air Exchanger

The heat exchange coils are manufactured with geometries suitable for the most diverse applications and temperatures, with 1/2" and 5/8" tubes and aluminum fins. The coils are placed horizontally and stand on strong supporting legs. Each coil is tested with pressures up to 18 Bar.

 **30/540 kW**

Fans

The units accommodate fans with diameters from 500 to 800mm. On request, they can be fitted with cut-phase or inverter control.

Control

Microprocessor control panel also available with remote mimic.

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We have 30+ years experience controlling temperature for the world's most demanding industries.



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Specification		DC-DH 30/1R	DC-DH 40/1R	DC-DH 60/1R	DC-DH 110/1R	DC-DH 150/1R	DC-DH 200/1R	DC-DH 260/2R	DC-DH 300/2R	DC-DH 350/2R	DC-DH 410/2R	DC-DH 450/2R	DC-DH 500/2R	DC-DH 540/2R
Cooling Capacity (1)	kW	29,0	44,0	56,0	112,0	150,0	205,0	263,0	304,0	654,0	413,0	453,0	504,0	539,0
Fans	Qt	1	2	2	4	3	4	6	6	8	8	8	8	8
Diameter	mm	630	500	500	500	630	630	630	630	630	630	630	800	800
Absorption	kW	0,70	1,60	1,60	3,20	6,00	8,00	12,00	12,00	11,60	16,00	16,00	14,00	14,00
Air Flow Rate	m³/h	9.650	17.200	15.460	30.940	42.660	58.250	98.440	85.330	102.960	116.500	123.760	159.180	147.780
Water Flow Rate	m³/h	5,00	7,70	9,72	19,55	26,40	35,85	45,65	52,77	61,40	71,70	78,73	87,44	93,63
Pressure Drop	kPa	74,0	58,0	67,0	73,0	77,0	76,0	72,0	77,0	74,0	76,0	77,0	78,0	78,0
Hydraulic Connections IN/OUT	Ø	1" 1/4	1" 1/4	1" 1/4	2"	2" 1/2	3"	2 x 2" 1/2	2 x 2" 1/2	2 x 3"	2 x 3"	2 x 3"	2 x 3"	2 x 4"
Ambient Temperature	°C	-20 / + 50												
Water Temperature	°C	+5 / +45												
Total Absorbed Power	kW	0,70	1,60	1,60	3,20	6,00	8,00	12,00	12,00	11,60	16,00	16,00	14,00	14,00
Power Supply (2)	V/Ph/ Fr	400/3/50												
Protection Rate	IP	54												
Sound Pressure Level (3)	dB(A)	43	43	47	50	50	52	53	53	52	55	55	52	52
Dimensions (mm)	Width	1.565	1.825	1.82	3.425	4.065	5.315	4.065	4.065	5.315	5.315	5.315	6.185	6.185
	Depth	883	833	833	833	833	833	2.108	1.758	2.108	1.758	2.108	2.165	2.165
	Height	1.050	855	855	855	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.720	1.720
Net Weight	kg	117	131	131	269	342	484	652	684	904	968	982	1.144	1.248
Marks	-	CE/PED												
Painting	RAL	9002												

1. DT 10°C Air IN - Water OUT
2. Different power supplies available on request
3. At 10 mt distance in free field

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