DRY-COOLERS

Series SDS

DRYWER

High Efficiency Dry-coolers ranging from 40 kW up to 1500 kW.

The Series is designed to cool water in close-loop circuit simply using ambient air featuring high-energy efficiency.

DRYWER contribute to reduce:
- Running energy
- Water consumption
- Water treatment

comparing to cooling towers and to water-chillers.

Some technical specifications are:
- High efficiency heat exchangers
- Hot-dip galvanized steel powder coated
- Screws, inserts, rivets, nuts and washers are in stainless steel
- Axial fans with three-phase motor
- Air-filters
- Microprocessor control
- Remote control panels standard included
- Modular units (possibility to expand cooling capacity easily)
- An extreme high efficiency adiabatic system (Breeze System) on request is available to drop water temperature during hot hours. The system consists of high-pressure pump and water nebulizers controlled by a thermostat.

OPTIONS

Fans with brushless motors on request (EC fan version)
Breeze System
Three-ways valve
Water treatment unit
Different voltages are available

DRYWER:
Series designed to be Environmental Friendly.

BLAUWER
SUSTAINABLE THERMAL TECHNOLOGIES

DRYER Model		SDS 40	SDS 65		SDS 80	SDS 160	SDS 240	SDS 320	SDS 400	SDS 480	SDS 560	SDS 650	SDS 780	SDS 900	SDS 1050
Cooling capacity (1)	kW	40	63		75	156	250	318	403	488	543	623	754	881	1034
Cooling capacity (2)	kW	60	95		112	235	376	477	605	732	815	934	1131	1322	1551
Axial fans															
Quantity	n°	3	3		1	2	3	4	5	6	8	10	12	12	14
Total air flow	m^3/h	30900	28000		32900	64300	94500	128500	160600	192800	237500	308000	369600	342900	400000
Power	kW	1,8	1,8		3,3	6,6	9,9	13,2	16,5	19,8	26,4	33,0	39,6	39,6	46,2
EC fans															
Quantity	n°	-	-		1	2	3	4	5	6	8	10	12	12	14
Power	kW	-	-		2,9	5,8	8,6	11,5	14,4	17,3	23,0	28,8	34,6	34,6	40,3
Water content															
Water	l	17	34		41	103	185	206	258	309	294	294	353	530	618
Hydronic Section															
Water flow (2)	m^3/h	7	11		13	28	46	58	73	88	98	112	135	158	186
Pressure drop (2)	kPa	32	66		62	10	5	13	23	39	17	40	67	43	66
Pipe connections	DN	40	50		32	80	100	100	100	100	100	100	100	100	100
Dimensions and Weight															
Lenght	mm	3.620	3.620		2.045	3.470	4.870	6.270	7.160	8.560	6.115	7.515	8.915	8.915	10.315
Width	mm	1.080	1.080		1.180	1.180	1.180	1.180	1.180	1.180	2.140	2.140	2.140	2.140	2.140
Height	mm	1.340	1.340		1.790	1.790	1.790	1.790	1.790	1.790	2.200	2.200	2.200	2.200	2.200
Net weight	kg	267	267		300	650	1.000	1.230	1.490	1.760	2.315	2.660	3.165	3.570	4.165

(1) Environmental air temperature 30°C; Water temperature in/out: 40°/35°C
(2) Environmental air temperature 25°C; Water temperature in: 40°; Water flow is identical to the situation 1
Given data refer to 400 V/3 phases/50 Hz

OPTIONS
Version for hot climate
Brushless motor for axial fans
Available voltages
Remote control panel

Breeze System

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Manufacturer reserve the right to change specifications without notice.

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