



Refrigerating the industry, refreshing the mind.

RWD

Dry coolers composed of
air to water heat exchanger, fan motors
with axial ventilators and microprocessor control.



Love is in the air



Cooling, drying and caring.



50 Hz



RWD

Air-cooled water coolers

RWD units are packaged units designed to cool a flow of water utilising ambient air. The water flows in the tubes of a finned core heat exchanger. A series of fan units generate an air stream that flows over the external finned surfaces of the heat exchanger thereby cooling the water flow inside the exchanger pipes. When ambient temperature is lower than the water temperature required by the user service, RWD water coolers constitute the optimum cooling solution.

Energy saving:

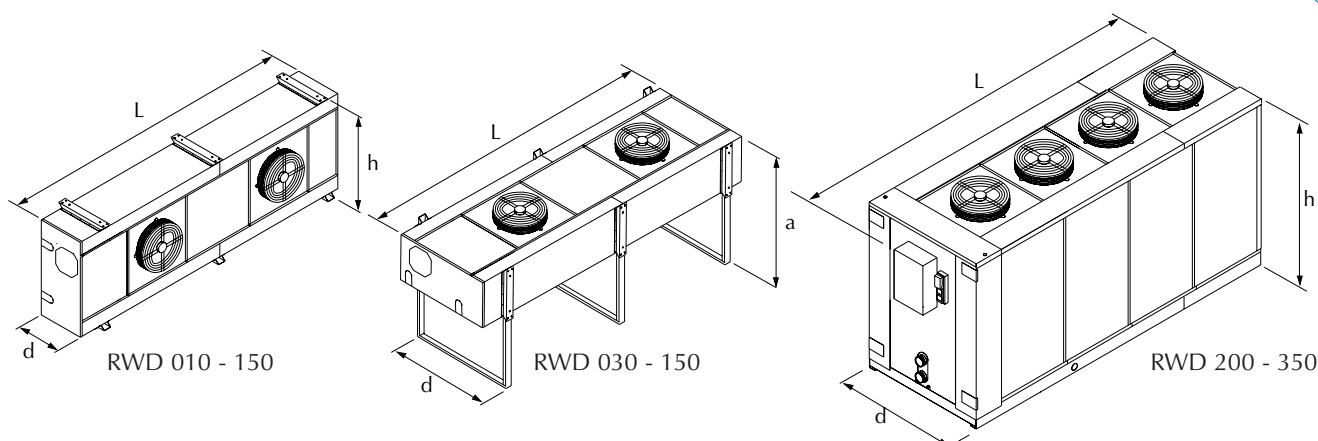
With a specific kit RWD water coolers can be easily connected to pre-installed water chillers or newly installed units. This solution is ideal for areas where the ambient air temperature is lower than the required temperature of the process water to be cooled for most of the year. In this situation the RWD solution allows the use of "free cooling" mode. The use of RWD coolers leads to significant energy savings resulting in highly attractive returns on initial investments.

STANDARD FEATURES

- Single or double coil depending on the model;
- Air vent valve and drain connection on each coil (from 030 to 350);
- Fan motors with overheating protection;
- IP54 protection rating;
- Metal mesh filters on coils;
- Electronic controller kit with remote installation facility (models from 030 to 350);
- Axial fans with step type speed control (from 075 to 350).

VERSION

- C standard version;
- SC low noise;
- SSC extra low noise.





MAIN OPTIONS

- Pump unit pre-installed on the appliance (models from 200 to 350);
- Free Cooling kit composed of three-way valve and differential thermostat (models from 050 to 350);
- Anti-corrosive treatment for coils;
- Uprights kit for horizontal installation (models from 030 to 150).

AIRBATIC VERSION

Airbatic operation, thanks to the water blast sprayed on the condenser coils, offers the following benefits:

- The chilled water at the outlet can be at a temperature that is below ambient temperature;
- High cooling capacity in compact dimensions;
- Low water consumption compared to cooling towers;
- Radical energy savings when cooling condensation water for water-cooled chillers;
- High cooling power in presence of high ambient temperatures;
- High cooling efficiency also in low noise operating mode.

Model		010	020	030	040	050	075	100	150	200	250	300	350
Cooling power (1)	KW	10	20	31	41	49	69	97	133	195	248	304	372
Water flow (1)	l/h	1797	3470	5315	7052	8522	11899	16821	23126	33822	43079	52783	64653
Pressure drop (1)	bar	0.162	0.267	0.337	0.267	0.384	0.6	0.341	0.639	0.33	0.53	0.39	0.66
Absorbed power	KW	0.5	1	2	2	2	4	4	6	8	10	10	12
Fans	N°	1	2	1	1	1	2	2	3	4	5	5	6
Sound pressure level (2)	dB(A)	48	51	60	59	58	62	61	63	64	65	64	66
Lenght	l	mm	847	1682	2145	2145	3042	3959	4860	4390	5295	5295	6200
Width	d	mm	440	440	779	779	779	779	779	1510	1510	1510	1510
Height	h	mm	763	763	1364	1364	1364	1364	1364	1485	1485	2085	2085
Height with legs	a	mm	-	-	1534	1534	1534	1534	1534	-	-	-	-
Weight	Kg	57	109	413	423	433	562	679	821	1064	1271	1543	1803
Water connections without manifold kit	G 1"	G 1"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 2"	G 2"	G 2"	G 2"	G 2"	G 2 1/2"	G 2 1/2"	G 2 1/2"
Water connections with manifold kit	-	-	-	-	-	-	-	-	-	DN 80	DN 80	DN 100	DN 100
Electrical supply (3)	V/Ph/Hz	230±10%/1/50					400±10%/3/50						

(1) Nominal conditions: delta t of 10°C between the inlet water temperature and the ambient temperature, delta t of 5°C between the inlet water temperature and the outlet water temperature from the water cooler at sea level and 0% of glycol.

(2) Sound pressure level in free field at a 10 m distance from the unit at air/refrigerant heat exchanger and at 1.2 m from the ground.

(3) The RWD 020 model is available with 400±10%/3/50 electric supply.



Electrical board



Inside



Fan motors



Remote control (optional)

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