



SOLAR Junior G

Dry coolers – commercial range

General information & application

Dry coolers are often used for cooling down condenser water in air conditioning and refrigeration installations. In the processing industry, dry coolers are suitable for closed circuit cooling of various process liquids.

The SOLAR Junior G range is especially suitable for places where easy assembly as well as a light and robust structure are required. The units are designed for outdoor use, but the structure and sound pressure levels make them also suitable for indoor use. The condensation effect may then be utilized for heating. SOLAR Junior condensers are available for both horizontal and vertical air flow.

Capacities* 9.8 up to 187 kW

* water, EN1048.

Coil

Coil manufactured from copper tubes \varnothing 12.7 mm and corrugated Alu-fins, tube pitch 35 x 30.31 mm. Standard fin spacing is 2.3 mm.

Casing

Casing of polyester coated, hot dip galvanised sheet steel, colour grey NCS 2502-B.

Fan motors

1 to 6 axial fans available in 4 different fan speed executions, diameters 500 or 630 mm. Enclosed design fan motors, protection class IP-44.

Motors are wired to safety switches (IP65) at the end of the unit. All fans have corrosion resistant fan blades and fan guards.

Certifications

All dry cooler models are "Eurovent Certify All" certified. The Alfa Laval Vantaa quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.



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Test

Design pressure 6 barg. Each heat exchanger is leak tested with dry air.

Options

- Multi-circuiting (J#)
- Step control (SC)
- Fan speed control with frequency converter (SVC)
- Stepless variable fan speed control (VC)

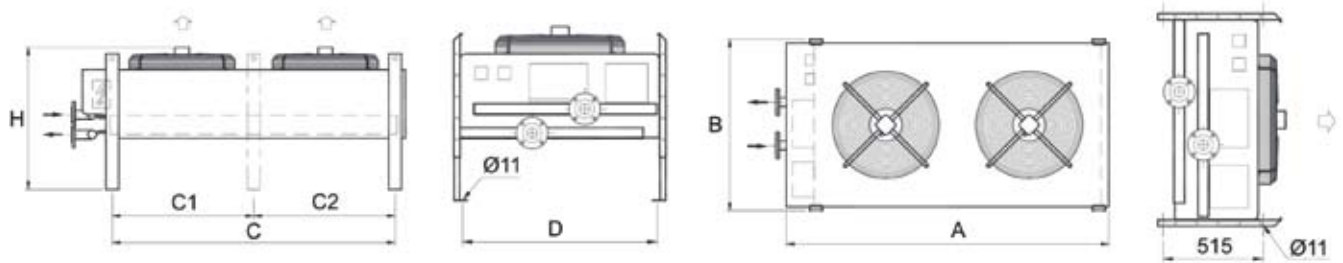
Dry cooler selection & dimensions

Dry cooler selection is to be performed with our 'FincoilSelect' Air Heat Exchanger selection software. Selection output includes all relevant technical data and dimensional drawings.



Dimensions & weights

coil size	fans		max. dimensions (mm)				fixing points (mm)			surface m ²	int. vol. l	weight kg
	no.	ø	A	B	H	C	C1	C2	D			
5	1	500	900	895	900	648			810	40.4	8	65
7	1	500	900	895	900	648			810	53.9	11	70
9	1	630	1125	1095	1000	873			1015	67.9	14	90
10	1	630	1125	1095	1000	873			1015	90.5	19	100
11	2	500	1575	895	900	1323			810	80.8	16	105
12	2	500	1575	895	900	1323			810	108	21	115
13	3	500	2250	895	900	1998			810	121	22	145
14	2	630	2025	895	1000	1773			1015	136	25	150
15	3	500	2250	895	900	1998			810	161	28	160
16	2	630	2025	1095	1000	1773			1015	181	33	170
17	3	630	2925	1095	1000	2673			1015	204	39	215
19	3	630	2925	1095	1000	2673			1015	271	50	245
20	4	630	3825	1095	1000	3572	1786	1786	1015	271	50	285
22	4	630	3825	1095	1000	3572	1786	1786	1015	362	64	320
27	5	630	4725	1095	1100	4473	1786	2687	1015	340	53	360
28	5	630	4725	1095	1100	4473	1786	2687	1015	453	70	400
29	6	630	5625	1095	1100	5373	2686	2687	1015	407	64	430
30	6	630	5625	1095	1100	5373	2686	2687	1015	543	85	480



Code description

SJGE - 9 - 1 - 630 - 1400 - 3/400/50 - 7 - DN - Options

- Tube connection (DN=flange, R=outer thread)
- No. of circuits
- Power supply (3/400/50 or 1/230/50)
- Fan speed (700, 900, 1150 or 1400 rpm)
- Fan diameter (500 or 630 mm)
- No. of fans
- Coil size
- Special model
- SOLAR Junior dry cooler

Benefits

- Heavy duty coil & casing materials, resulting in a long operational product life.
- Plain profile fins make the coil less prone to fouling and easier to clean.
- Excellent sound characteristics
- Reliable performance, Eurovent certified.
- Easy-install & maintenance.
- Energy efficient - low total cost of ownership.
- One full year product guarantee.

ERC00137EN 0809

Alfa Laval reserves the right to change specification without prior notification.

How to contact Alfa Laval
Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com



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