



SAL Commercial dry coolers

Benefits

- Excellent sound characteristics, suitable for residential applications
- Energy efficient
- Easy installation and maintenance
- Two-year product guarantee
- Easy access to on-line product information

General information and application

SAL is a competitive commercial dry coolers line that offers excellent performance, allowing easy installation on site and an outstanding integration with other components. High efficient fan motors combine excellent sound characteristics and low energy consumption. SAL commercial 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.

Refrigerants



Capacity range ($\Delta T=15^{\circ}\text{K}$, Glycol 34%)
Liquid flow

9.5 up to 211 kW
1.8 up to 39.4 m³/h

Finned coil

The coil design provides excellent heat transfer. Fitted with aluminium turbo fins and copper tubes.

Construction

Patented coil suspension system which prevents any contact between the tubes and the support structure, protecting the tubes during transport, installation and operation. Corrosion resistant casing material, powder coated RAL9003. Separated fan sections.

Fan motors

High efficiency AC/EC fans and low power consumption. Available in two fan diameters 500 and 630 mm. Different power supplies (230/50/1, 400/50/3, 460/60-50/3) and different noise levels. Protection class IP54 according to DIN 40050. AC motors are fitted with integrated thermo contacts to provide reliable protection against thermal overload (terminals in the box).

Design pressure

Max operating pressure 10 bar.

Packing

All units are shipped in a crate in vertical position as standard. Horizontal transport position on request.

Selection

Selection and pricing is to be performed with our air heat exchanger selection software Refriger. Selection output includes all relevant technical data and dimensional drawings.



SAL

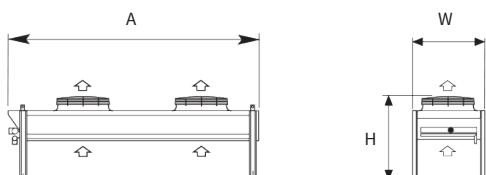
Commercial dry coolers

model	dimensions (mm)	single fan row					dual fan row		
		o	oo	ooo	oooo	ooooo	oo	ooo	oooo
		1	2	3	4	5	4	6	8
SAL5 H	A*	1085	1895	2705	-	-	3690	5290	-
	W	905	905	905	-	-	2384	2384	-
	H	1070	1070	1070	-	-	1600	1600	-
SAL5 V	A*	1085	1895	2705	-	-	3690	5290	-
	W	470	470	470	-	-	800	800	-
	H	830	830	830	-	-	2310	2310	-
SAL6 H	A*	1393	2393	3393	4393	5393	2393	3393	4393
	W	1110	1110	1110	1110	1110	2120	2120	2120
	H	1270	1270	1270	1270	1270	1270	1270	1270
SAL6 V	A*	1373	2373	3373	4373	5373	2373	3373	4373
	W	705	705	705	705	705	990	990	990
	H	1040	1040	1040	1040	1040	2120	2120	2120

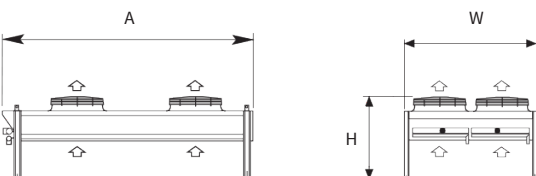
*+ 270 mm for models with opposite side connections

Dimensions

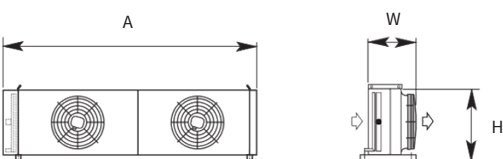
Horizontal installation - single fan row



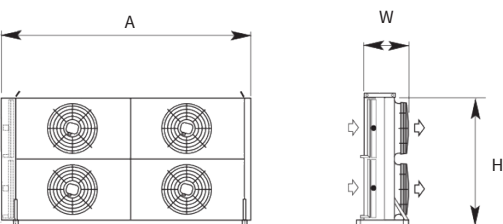
Horizontal installation - dual fan row



Vertical installation - single fan row



Vertical installation - dual fan row



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LU-VE Exchangers is a trademark registered and owned by LU-VE Group.
LU-VE Exchangers reserves the right to change specifications without prior notification.

Options

- Fans control:
 - ESB, ECCB - *only for EC fans*
 - Master controller
 - Step fan regulation - *only for AC fans*
- Aluplus fins (AP)
- Mounting feet for horizontal installation h. 1,000 mm
- Vibration dampers (VD)
- Wired isolator switch (SW)
- Wired junction box (CB)

Certifications

The LU-VE Exchangers quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations. LU-VE Exchangers participates in the ECP program for HE. Check ongoing validity of certificate: www.eurovent-certification.com

Code description

SAL	5	S	-	4431	V	/	H	EC	(	1	x	3	)	*
1	2	3		4	5		6	7		8		9		10

- Commercial dry coolers
- Fan diameter (5 = Ø 500 mm, 6 = Ø 630 mm)
- Sound level (F, N = standard, R = residential, S = quiet)
- Model code
- Transport position (H=horizontal, V=vertical)
- Installation position (H=horizontal, V=vertical)
- Fan motor (AC, EC)
- No. rows
- No. fans per row
- Options

