



SAV, SHV, EAV
Commercial
condensers

Benefits

- High performance turbo fins
- 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

SAV, SHV and EAV competitive lines of commercial condensers that offer 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. SAV, SHV and EAV commercial condensers can be used in commercial refrigeration and HVAC installations.

Refrigerants



Capacity range ($\Delta T=15\text{ }^{\circ}\text{K}$)
Air flow

5 up to 450 kW
1,300 up to 100,000 m³/h

Finned coil

The coil design provides excellent heat transfer at minimal refrigerant charge. Fitted with aluminium turbo fins and internal grooved 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. SHV units available with fan diameter 350 mm; SAV and EAV units available in two fan diameters 500 and 630 mm. Different power supplies (230/50-60/1, 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 30 bar.

Packing

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

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)

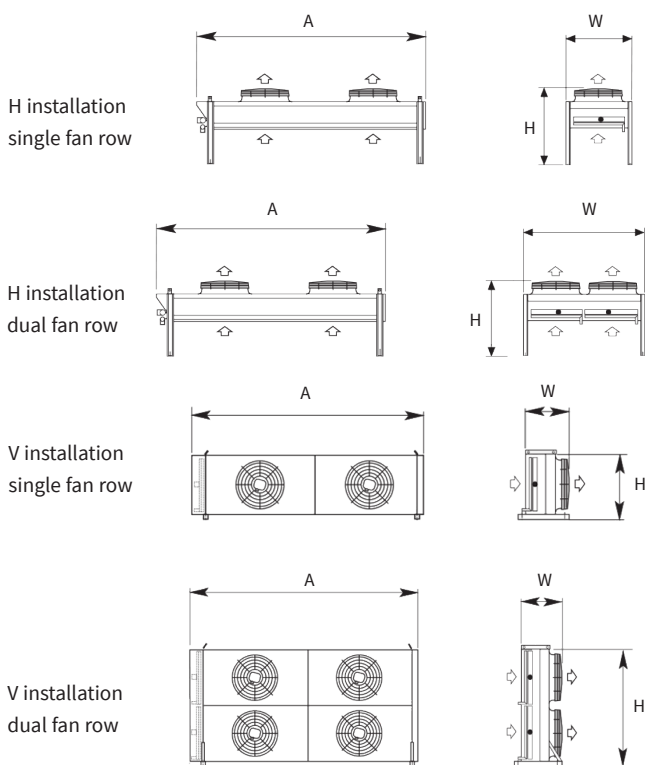


SAV, SHV, EAV

Commercial condensers

model	dimensions (mm)	single fan row					dual fan row		
		o	oo	ooo	oooo	ooooo	oo oo	ooo ooo	oooo oooo
		1	2	3	4	5	4	6	8
SHV3 H	A	753	1308	1863	2418	-	1308	1863	2418
	W	620	620	620	620	-	1170	1170	1170
	H	921	921	921	921	-	921	921	921
SHV3 V	A	748	1302	1858	2413	-	1302	1858	2413
	W	510	510	510	510	-	510	510	510
	H	578	578	578	578	-	1127	1127	1127
SAV5 H	A	1085	1895	2705	-	-	1895	2705	-
	W	905	905	905	-	-	1717	1717	-
	H	1070	1070	1070	-	-	1070	1070	-
SAV5 V	A	1085	1895	2705	-	-	1895	2705	-
	W	470	470	470	-	-	470	470	-
	H	830	830	830	-	-	1645	1645	-
SAV6 H EAV5 H	A	1393	2393	3393	4393	5393	2393	3393	4393
	W	1110	1110	1110	1110	1110	2110	2110	2110
	H*	1230	1230	1230	1230	1230	1230	1230	1230
SAV6 V EAV5 V	A	1393	2393	3393	4393	5393	2393	3393	4393
	W	705	705	705	705	705	990	990	990
	H	1040	1040	1040	1040	1040	2110	2110	2110
EAV6 H	A	1608	2823	4038	5253	6468	2823	4038	5253
	W	1110	1110	1110	1110	1110	2110	2110	2110
	H	1270	1270	1270	1270	1270	1270	1270	1270
EAV6 V	A	1588	2803	4018	5233	6448	2823	4038	5253
	W	705	705	705	705	705	990	990	990
	H	1040	1040	1040	1040	1040	2110	2110	2110

* for horizontal installation models SAV6 H = 1270 mm



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LU-VE Exchangers reserves the right to change specifications without prior notification.

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.

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

SAV	5	S	-	4430	V	/	H	EC	(	1	x	3	)	*
1	2	3		4	5		6	7		8		9		10

- Commercial condensers (SAV, SHV, EAV)
- Fan diameter (3 = Ø 350 mm, 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

