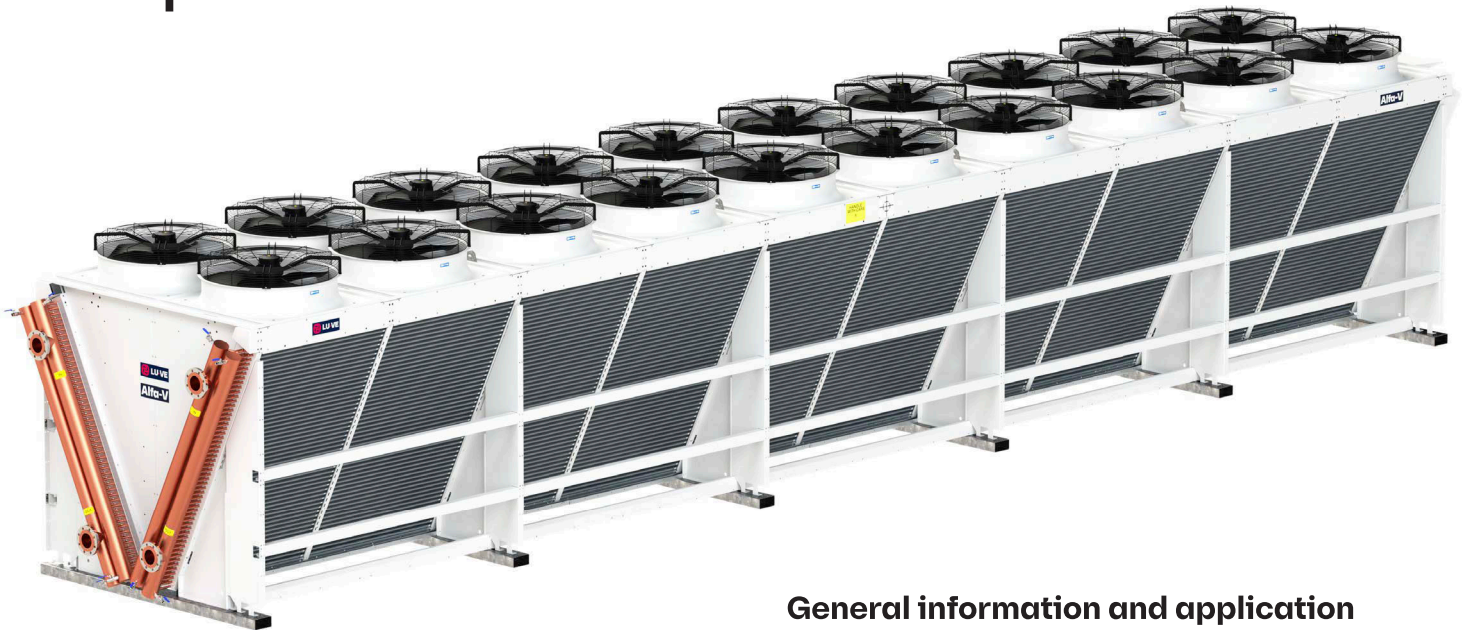


Alfa V VDD

Heavy Duty Industrial Liquid Cooler



Top Advantages

- Reliable performance, Eurovent certified.
- Reduced energy consumption and operating costs.
- Market-leading noise levels and compact size.
- Advanced customization options.
- Easy-to-clean industrial coil.



Scan for more
information

General information and application

The Alfa V VDD series redefines flexibility: its design perfectly adapts to a broad spectrum of demanding applications — from refrigeration to HVAC, industrial process cooling, power generation and data centers. This all-in-one solution delivers premium cooling performance, outstanding durability, and exceptional customization, tailored to your operational needs.

Capacities (EN1048)

100 up to 2,000 kW

Standard configuration

- **Innovative coil design:** smooth Copper tubes (\varnothing 12 and 16 mm) or stainless steel tubes, Aluminum or AlMg fins and exclusive industrial-grade R-Fin for enhanced durability and easier cleaning.
- **Casing and frame** in galvanized steel with standard corrosion resistance up to C5-VH and on request up to CX; stainless steel casing also available for specific environments.
- **AC/EC fan motors** in three diameters (800/910/1000 mm), different noise levels, ErP compliant, with broad multi-voltage compatibility; IEC fan-motor packages available on request.
- **Modular range:** configure precisely to your cooling requirements for complete operational flexibility.
- **Transport:** design to fit the standard 40" and 45" HC container. No need for expensive wood or seaworthy packing.

Dimensions

No. fan pairs	Dimensions (mm)		
	L	H	W
2	2,940	2,500	2,230
3	4,250	2,500	2,230
4	5,560	2,500	2,230
5	6,870	2,500	2,230
6	8,190	2,500	2,230
7	9,490	2,500	2,230
8	10,800	2,500	2,230
9	12,100	2,500	2,230

Design pressure

Design pressure 10 bar.

Each heat exchanger is leak tested with dry air.

Options

- Fin spacing up to 3.0 mm
- Coil corrosion protection:
 - Epoxy coated aluminium fin (EP)
 - F-coat (FC)
 - Seawater resistant aluminium AlMg (SWR)
 - Industrial R-fin (RIF)
 - Epoxy coated aluminium R-fin (REP)
 - Seawater resistant aluminium AlMg R-fin (RSWR)
- Coil protection grid (GR)
- Spray Water kit (KW)
- Water Spray system including pumping station (SWS)
- Casing coated RAL 9002 (other colors on special request)
- Container skid (SK)
- Ladder and railings
- Vibration dampers (VD)
- Expansion tank (ET)
- Special fan motors:
 - Protection class IP55
 - High-temperature motors
 - IEC standard motors
- **Electrical accessories:**
 - Isolating switch (SW)
 - EC Motors wired to a common terminal box (CBP=connection box, CBMT=connection box and master controller+temperature signal)
 - Switchboard IP54 (BS)
 - AC fan step control cabinet (BST)
 - EC fan speed control cabinet (ICM)
 - Basic EC switchboard panel (ECCB)

Certifications

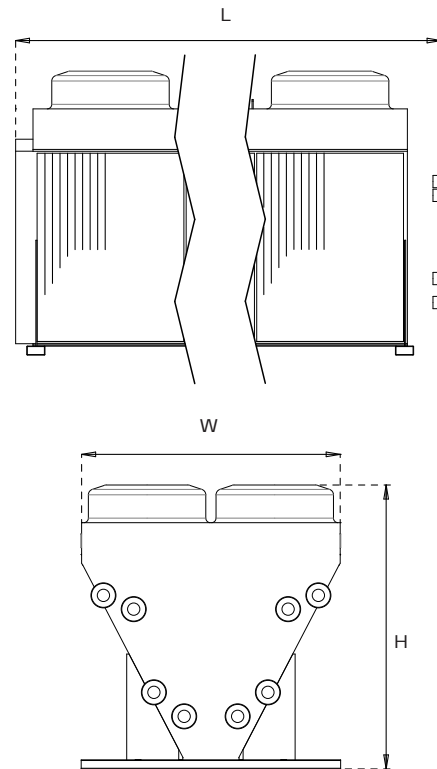
The LUVE quality system is in accordance with ISO 9001.

All products are manufactured according to PED regulations.

LUVE participates in the ECP program for HE.

Check ongoing validity of certificate:

www.eurovent-certification.com



Selection

Selection and pricing is to be performed with our air heat exchanger selection software Plair.

Selection output includes all relevant technical data and dimensional drawings.

Code description

VDD	SE	90	4	.1	B	D	72	SK	C4	*	-	AL	2.1	CU	*
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15

- 1** Alfa V liquid cooler (VDD = standard Cu tube, VDD6 = 5/8" Cu, VDDY = 5/8" SS304)
- 2** Sound level/fan code (T=turbo, S=standard, L=low, Q=quiet, R=residential, E=EC fan motor)
- 3** Fan diameter (80=800, 90=910, 100=1000 mm)
- 4** Number of fan pairs (2 to 9)
- 5** Alfa V series II
- 6** Tube rows code (A, B, C, D)
- 7** Fan motor connection (D=delta, Y=star)
- 8** No of circuits
- 9** Packing (SK=container skid)
- 10** Case material
- 11** Electrical accessories
- 12** Fin material/coating (AL=aluminium, IF=industrial fins, SWR=AlMg, EP=epoxy coated aluminium, FC=F-coat, RIF=industrial R-fin, REP=epoxy coated aluminium R-fin, RSWR=AlMg R-fin)
- 13** Fin spacing (2.0, 2.1, 2.3, 2.5, 3.0 mm)
- 14** Tube material (CU=copper, SS=stainless steel)
- 15** Options