

Date: 2026-07-29
 Enquiry dated:
 Project:
 Quotation-no.:
 Item:
 Reference: FS

Gas cooler & Evap CX heat pump S-GGDV CD 090.1 DE/2C-E-44

Capacity:	895.0 kW ⁽¹⁾	Medium:	CO ₂ ⁽²⁾ 
Surface reserve:	0 %	Inlet:	120.0 °C
Air flow:	216092 m ³ /h	Outlet:	37.0 °C
Air inlet:	34.0 °C 40 %	Pressure drop:	1.47 bar
Height above sea level:	0 m	Mass flow:	14139 kg/h

Capacity Evap:	465.0 kW	Evaporation:	-2.0 °C
Air inlet:	5.0 °C 85 %	Superheating	5.0 K
Surface reserve:	15 %	Mass flow:	7256 kg/h
		Pressure drop:	0.99 bar / 1.11 K

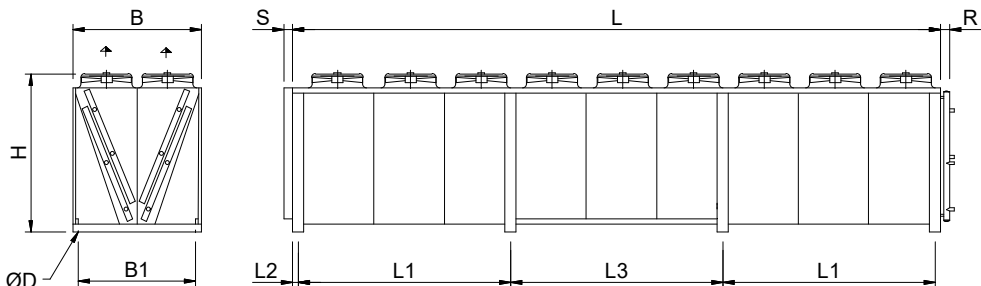
Fans (EC):	24 Piece(s) 3~400V 50-60Hz 	Sound pressure level:	44 dB(A) ⁽³⁾⁽⁴⁾
Data per motor (nominal data):		at a distance of:	10.0 m
Speed (act./param.):	350 min-1 / 555 min-1	Sound power:	77 dB(A) ⁽⁴⁾
Capacity (el.):	0.14 kW	ErP:	Compliant ⁽⁵⁾
Current consumption:	0.33 A ⁽⁶⁾		

Total el. power consumption:	2.72 kW	Energy efficiency class:	-- ⁽⁷⁾
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Casing:	Galv. Steel, RAL 7035	Tubes:	high-strength copper ⁽⁸⁾
Surface:	4839.5 m ²	Fins:	Epoxy ⁽⁸⁾
Tube volume:	461.2 l	Connections per unit:	stainless steel
Fin spacing:	4.00 mm	Inlet:	4 x 42.4 mm V2A
		Capillaries:	8 x 1 x 1500 mm
Empty weight:	appr. 6525 kg ⁽⁹⁾	Outlet:	4 x 42.4 mm V2A
Max. operating pressure:	130.0 bar	PED classification:	Kategorie I, Modul A ⁽¹⁰⁾
		Passes:	6 / 8

Dimensions:⁽⁹⁾

L = 12960 mm
 B = 2400 mm
 H = 2850 mm
 R = 220 mm
 L1 = 3135 mm
 L2 = 77 mm
 L3 = 2x2140 mm
 B1 = 2300 mm
 S = 20 mm
 ØD = 17 mm



Attention: Drawing and dimensions not valid for all accessory options!

(S = Special coil, Special fan VT03066U.1 Fans per row: 12)

Accessories

	Piece(s)
Vibration Dampers SMA5.1	8
Repair switch (single-speed), fans wired to front in pairs	9
Special design	1
Extra accessories	
- Heat pump application IHP	1
- gas cooler coil = evaporator coil (in-/outlet arrows according evaporator mode)	1
- Venturi-distributor (positioned at coil air outlet) is evaporator & gas cooler inlet	4
- distributor and capillaries positioned as low and	4

- 8 mm capillary connector 100-0001339479	92
- capillaries bundled with uv resistend zip ties	4
- air intake hood for V-shapes V02 - adjustable (without insulation)	1
- special circuitry for heat pumps	1
- Güntner Corrosion Protection 4	1
- Controls ID40205; GMMnext EC/24 with Modbus RTU	1
- fans parameterized for 555 RPM	0

Delivery time: on request (Status: 2026-07-29)

Our general terms of sales and delivery apply!

Subject to technical modifications

Important remarks / explanatory notes:

- (1) Calculations and capacity tests are based on the following standards: condensers/gas coolers EN 327, evaporators/air coolers EN 328, dry coolers EN 1048.
- (2) Fluid group 2 in accordance with Pressure Equipment Directive 2014/68/EU
- (3) In accordance with the enveloping surface method defined in EN 13487/EN 9614-1; tolerance = +2 dB(A). Applies only for AC fans, AC fans with sine control and EC fans. Noise caused by other control methods, water spraying systems or sound reflexions occurring at the installation site are not taken into account and may result in an increased sound pressure level.
- (4) Based on the nominal data of the fan
- (5) This unit is equipped with fans that meet the efficiency requirements of Directive 2009/125/EC (ErP Directive).
- (6) The current consumption can differ in dependence of the air temperature and of the variations of system voltage according to the VDE guidance.
- (7) Ratio of performance to energy consumption in dry operation (without icing/defrosting). Higher class = higher energy efficiency.
- (8) When using the unit in aggressive atmospheres, it is imperative to select the materials according to the specific application, see material recommendation brochure in the GPC programme menu "?".
- (9) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units (S-...).
- (10) Pipe (DN = 39.3 mm, TSmax = 100 °C, liquid). Final classification in accordance with Pressure Equipment Directive 2014/68/EU when the order is processed.

Please pay attention ...

The unit is only for calculation:

Dimensions of special coil are not compatible with the unit casing. Only for calculation purposes!

Weight of special coil exceeds weight of the default coil. Only for calculation purposes!