



Francks Kylindustri Stockholm

Date:
 Enquiry dated:
 Project:
 Quotation-no.:
 Item:
 Reference:



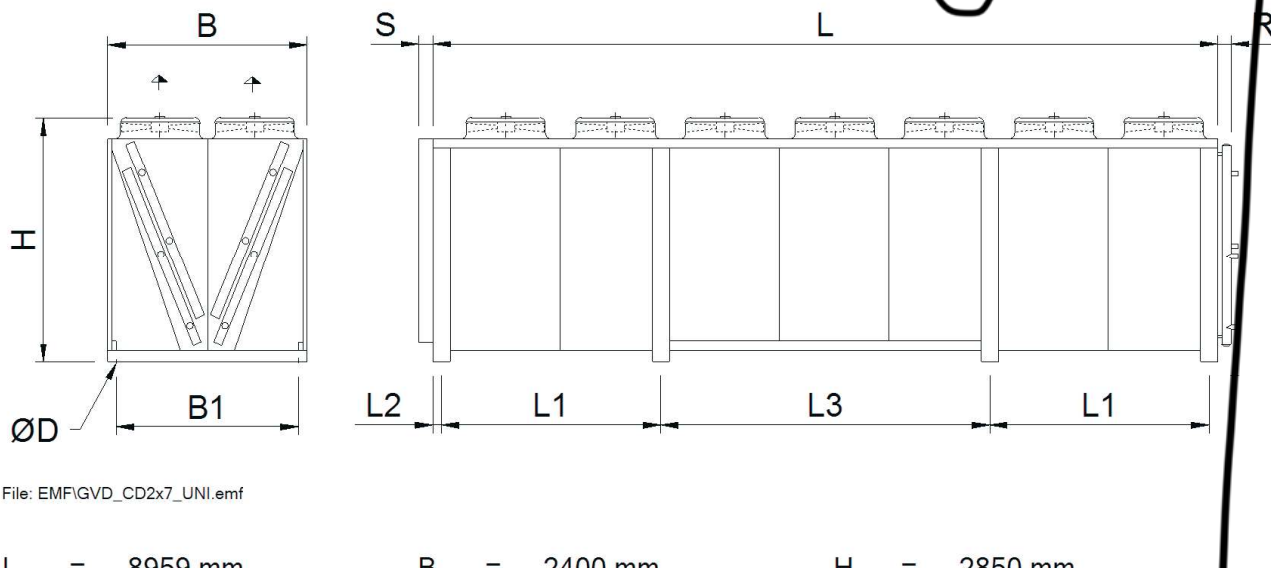
CO2 Gascooler		S-GVD 090.3D/2x7-MS00/4P.E	
Capacity:	1150.0 kW	Medium:	CO2 (R744) 80.0 bar ⁽¹⁾
Air flow:	314420 m ³ /h	Inlet:	94.2 °C
Air velocity:	2.0 m/s	Outlet:	32.0 °C
Air inlet:	30.0 °C	Pressure drop:	0.58 bar
Altitude:	0 m	Volume flow:	102.84 m ³ /h
Air outlet:	41.1 °C	Mass flow:	19142 kg/h
Heat transf. coeff.:	12.66 W/(m ² ·K)		
Fans (EC): (VT03065U.1) 14 Piece(s) 3~400V 50-60Hz		Noise pressure level:	55 dB(A) ⁽²⁾
Data per motor (nominal data):		at a distance of:	10.0 m
Speed:	785 min ⁻¹	Noise power level:	88 dB(A)
Capacity (el.):	1.45 kW	ErP:	Compliant ⁽³⁾
Current:	1.90 A ⁽⁴⁾		
Total el. power consumption: --		Energy efficiency class:	--
Casing:	Galv. Steel, RAL 7035	Tubes:	high-strength copper ⁽⁵⁾
Surface:	6218.2 m ²	Fins:	Aluminum ⁽⁵⁾
Tube volume:	337.3 l	Connections per unit:	
Fin spacing:	2.10 mm	Inlet:	4 x 41.3 * 2.70 mm
Dry weight:	5364 kg ⁽⁶⁾	Outlet:	4 x 28.6 * 1.90 mm
Max. operating pressure:	120.0 bar	PED classification:	Category IV, module B+D ⁽⁷⁾
		Passes:	4
Dimensions:⁽⁶⁾			
Length:	9199 mm	Outlet header:	4 x 33.7 * 3.20 mm
Width:	2400 mm	Inlet header:	4 x 48.3 * 4.50 mm
Height:	2850 mm ⁽⁶⁾	Circuits:	4N
No. of legs:	8	Distributions:	4 * 36

(S = Special coil)

Delivery time: unknown (Status: 2017-11-29)

S-GVD 090.3D/2x7-MS00/4P.E

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File: EMF\GVD_CD2x7_UNI.emf

L = 8959 mm	B = 2400 mm	H = 2850 mm
R = 220 mm	L1 = 2505 mm	L2 = 77 mm
B1 = 2300 mm	S = 20 mm	ØD = 17 mm

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

Accessories	Piece(s)
EC fuse box system ⁽⁸⁾	1
1 x (5209188) Disconnect non fused 63A	
14 x (5209043) Circuit Breaker 3ph, 6A	
1 x (5209039) Circuit Breaker 1ph+N, 6A	
1 x (5209011) GPD GÜntner Power Distribution Housing (Plastic) 1000x300x132 [mm]	
Mounting and wiring	1
EC fans with motor management GMM EC/16	1
Special design	1
Extra accessories	
Special tubes for max. 120 bar and 150°C	1

Important remarks / explanatory notes:

- (1) Fluid group 2 according to pressure equipment directive 2014/68/EU
- (2) According to the enveloping surface method defined in EN 13487; Eurovent 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.
- (3) This unit is equipped with fans that meet the efficiency requirements of Directive 2009/125/EC (ErP Directive).
- (4) The current consumption can differ in dependance of the air temperature and of the variations of system voltage according to the VDE guidance.
- (5) The unit may not be suitable for very corrosive atmospheres (close to shores, in smoke rooms, etc.). For further information see program menu "?", "Material recommendations brochure", or ask your sales partner.
- (6) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units (S-...).
- (7) Vessel (DN = 46.9 mm, V = 84.3 l, TSmax = 100 °C, gaseous). Final classification according to pressure equipment directive 2014/68/EU during order processing.
- (8) (GMEC14-0190CB2-NNNCNNN-N-001) Width x Height x Depth: 1000 mm x 300 mm x 132 mm, weight: 15 kg, Protect. system IP 54, mounted and wired on inlet side, Operating temperature range: -20.0 °C - 41.9 °C, Power supply: 400 VAC / 3-Ph+N+PE, Full load amperage (FLA): 26.6 A, Maximum overload protection (MOP): 40.0 A(gL/gG)