

**Brine chiller – indoor installation      type: MCVL 100-12-E**

Offer: **Bitte eintragen**  
 Position: **Bitte eintragen**

**TECHNICAL DATA SHEET**

Temperature cold (forward / return)	°C	7 / 12
Temperature warm (forward / return)	°C	50 / 40
Maximum ambient temperature	°C	30
Minimum ambient temperature	°C	0

**GENERAL DESIGN DATA**

Cooling capacity	kW	83,8 (at 70 Hz)
Condensing capacity	kW	115,0 (at 70 Hz)
Power consumption in the design point	kW	31,4 (at 70 Hz)
EER		2,6
Current consumption at the design point	A	-
Maximum electrical absorption	A	58,3
Mainhost power supply	V / PH / Hz	380-420V Y/YY -3- 50Hz

**COMPRESSOR**

Refrigerant		Propane (R290)
Refrigerant charge	g	2.100
Compressor type		semi-hermetic reciprocating compressor
Number of compressors		1
Power levels frequency converter		FU

**EVAPORATOR / CONDENSER (liquid applied)**

Type		Multi-channel plate heat exchanger (soldered)
Material		stainless steel/copper
Number		1
injection valve		electronic
Cold transfer medium		Water
Volume flow	m <sup>3</sup> /h	14,4
Pressure drop	kPa	48
Heat transfer medium		Ethylene glycol 34%
Volume flow	m <sup>3</sup> /h	10,8
Pressure drop	kPa	75

**SAFETY CONCEPT**

Gas detection system		2-stage – ATEX
Safety exhaust		Exhaust fan for combustible gases

**INTERFACE**

forward / return cold		flange connection DN40
forward / return warm		flange connection DN40
Suction safety device pipe		pipe DN50
Floor mounting		4x feet with vibration damper (height adjustable)

**CONTROL CABINET / CONTROL (separate item in the offer)**

D-Bus-Interface		ModBus RTU or TCP
CPU		Siemens Climatix
Visualisation		Siemens HMI POL871.71/STD

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**NOISE EMISSION**

Sound pressure level in 5m	dB(A)	48
Sound measurement acc. to DIN 45635 -1:1984-04		

**DIMENSIONS AND WEIGHT**

Length	mm	950
Width	mm	950
Height with vibration dampers	mm	1650
Transport weight	kg	ca. 450

**TECHNICAL DRAWING / ILLUSTRATION**

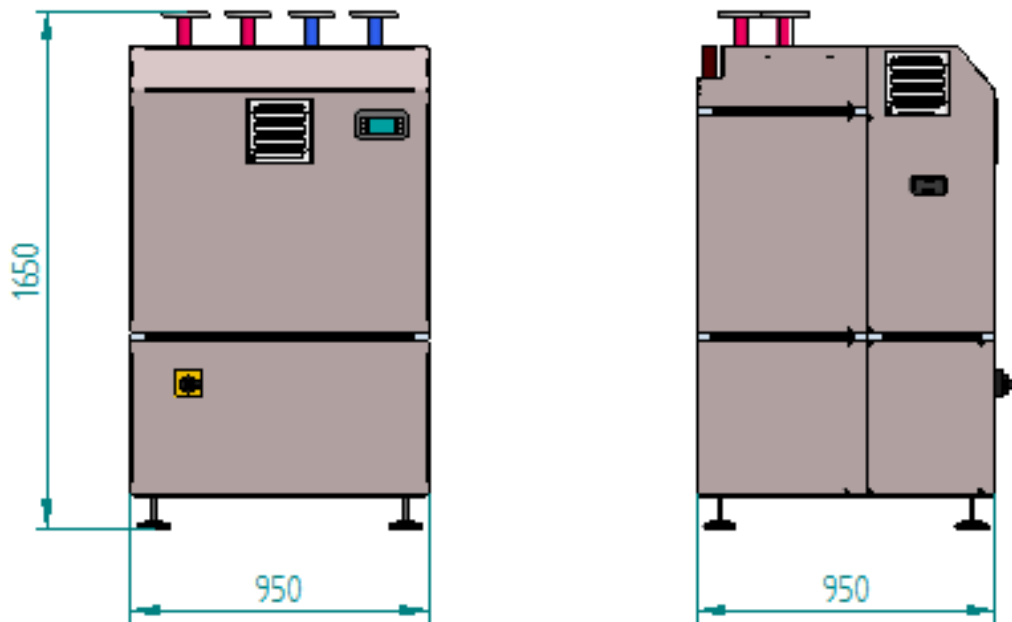


Illustration exemplary

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