

Brine chiller (air-cooled) – outdoor installation type: MAC 2/2. 100 – 10

Offer: Bitte eintragen  
Position: Bitte eintragen

**TECHNICAL DATA SHEET**

**GENERAL DESIGN DATA**

Temperature cold (forward / return)	°C	-8 / -4
Air inlet ambient temperature	°C	35
Maximum ambient temperature	°C	40
Minimum ambient temperature	°C	-15
Cooling capacity	kW	76,8
EER		2,2
Mainhost power supply	V / PH / Hz	380-420V Y/YY -3- 50Hz
Maximum electrical absorption	A	125
Refrigerant cycle		2
Refrigerant		Propane (R290)
Refrigerant charge (apiece Refrigerant cycle)	g	9
Cold transfer medium		Ethylene glycol 34%

**COMPRESSOR**

Compressor type		semi-hermetic reciprocating compressor
Number of compressors		2
staged power control		2x control stage switching
Total Power consumption	kW	33,6
Power levels frequency converter	A	77,4
Maximum electrical absorption (apiece compressor)	A	58,3

**CONDENSER (air applied)**

Type		Aluminium finned
Material (Pipe)		copper
Fan number		3
Fan type		EC
Total Power consumption	kW	3

**EVAPORATOR (liquid applied)**

Type		Multi-channel plate heat exchanger (soldered)
Material		stainless steel/copper
Number		3
injection valve		electronic
Volume flow Cold transfer medium	m <sup>3</sup> /h	18,1
Pressure drop	kPa	ca. 50

**SAFETY CONCEPT**

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

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

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

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**INTERFACE**

forward / return cold	flange connection DN 50   bolt circle-Ø 125 mm
Connection terminals supply line *	Connecting terminal plate 3L+N+PE
Floor mounting	6x feet with vibration damper (height adjustable)

\* The cable cross-section is to be calculated according to the applicable regulations and can vary depending on the cable length, type of installation and other factors.

**PURCHASER SPECIFIC REQUIREMENTS**

**NOISE EMISSION**

Sound pressure level in 10m	dB(A)	59
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**DIMENSIONS AND WEIGHT**

Length	mm	4500
Width	mm	1204
Height with vibration dampers	mm	2000
Transport weight	kg	max. 2100

**TECHNICAL DRAWING / ILLUSTRATION**

Illustration exemplary

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