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## CHILLY MAX

### COMPACT WATER CHILLER

- HIGH-EFFICIENCY MICRO-CHANNEL CONDENSER
- MOBILE UNIT ON WHEELS
- STAINLESS STEEL HOUSING
- FOR LOW MEDIUM SUPPLY TEMPERATURE UP TO -10 °C



IN FLOW WITH YOUR PRODUCTION.

# CHILLY MAX

## COMPACT WATER CHILLER

The Chilly MAX unit has a compact design. It takes little space and is very easy to install and to start-up. The units are mobile on wheels. The same as the Chilly shelf-top units, the Chilly MAX is equipped with a with a hermetically closed motor compressor and with a complete cooling water circuit containing stainless steel water tank and centrifugal pump. Also, they contain an additional heater which is integrated inside a stainless steel water-tank.

The new generation of the Chilly MAX series is equipped with a microchannel condenser which enables even more efficient heat-transfer. The ventilator is mounted on the top part of the unit, so the unit can be placed near a wall with any side facing it. The side-boards are very easy to remove, allowing easy access for maintenance.

The Chilly MAX is available in three sizes and capacities from 6,4 kW – 12,7 kW. It is the optimal solution for small to medium-size wineries, breweries, cideries, etc. that mainly wish to cool but that also need to heat their products from time to time.

### APPLICATIONS

- Cooling and heating of must, wine, beer and other liquids such as cider, carbonated soft-drinks, distillates etc.
- Fermentation temperature control
- Tartaric stabilisation of wines and biological reduction of acids
- Cool storage of wine until bottling
- Maturation of young beer
- Cooling and stabilisation of distillates
- Room tempering of halls and storage rooms - only possible with additional fan coils

TECHNICAL DATA

CHILLYMAX			50	90	110
Cooling capacity *		kW HP	6,4 8,58	10,7 14,35	12,7 17,03
Electrical supply			400V/3Ph/50Hz (other options by inquiry)		
Max. absorbed power		kW	4,2	6,0	7,1
Max. current consumption		A	7,8	10,5	13,4
Noise level **		dB (A)	73	73	73
Tank volume		l	30	30	30
Type of pump			Matrix 3-4	Grundfos CM3-4	Grundfos CM3-4
Pump flow rate		m³/h/bar	2,5 / 3,0	1,5 / 3,8	1,5 / 3,8
Dimensions:	L	mm	750	750	750
	W	mm	880	880	880
	H	mm	1.000	1.000	1.000
Weight		kg	131	141	143

\* Cooling capacities at an ambient temperature of +32°C (89,6 °F) and a watertemperature of +15°C (59 °F).

\*\* At a distance of 1m.

Specifications subject to change.

### WATER TEMPERATURE RANGE



from -10°C to +40°C (from 14°F to 104°F) \*  
(\* -10°C possible at ambient temperatures up to max. +32°C (up to max. 89,6°F))

### AMBIENT TEMPERATURE RANGE



from +10°C to +42°C (from 50°F to 108°F)

### SUITABLE FOR INDUSTRIES



### CHARACTERISTICS

- ➔ Hermetically closed motor compressor (Scroll)
- ➔ Cooling water circuit containing stainless steel water tank and centrifugal pump
- ➔ Integrated electric heating rod (3 kW)
- ➔ Pressure switch integrated in the cooling circuit for pump control - pump protection and energy-saving
- ➔ Integrated level-switch and integrated by-pass for the pump
- ➔ Highly efficient micro-channel condenser that ensures optimal heat-transfer
- ➔ All water parts in the unit are isolated
- ➔ Stainless steel frame with painted front board
- ➔ Units are mobile on wheels
- ➔ Side boards are easy to remove, interchangeable between them
- ➔ Ventilator on the top part, air-blow direction upwards
- ➔ Refrigerant R410A
- ➔ Protection type of the chiller is IP54 minimum
- ➔ Water inlet/outlet connection: 3/4" (female)
- ➔ It is required to add Glycol (30 - 35%) to the cooling water by outlet temperatures below +7°C

