

# Heat pump for heating, cooling and HWS MULTIPOWER

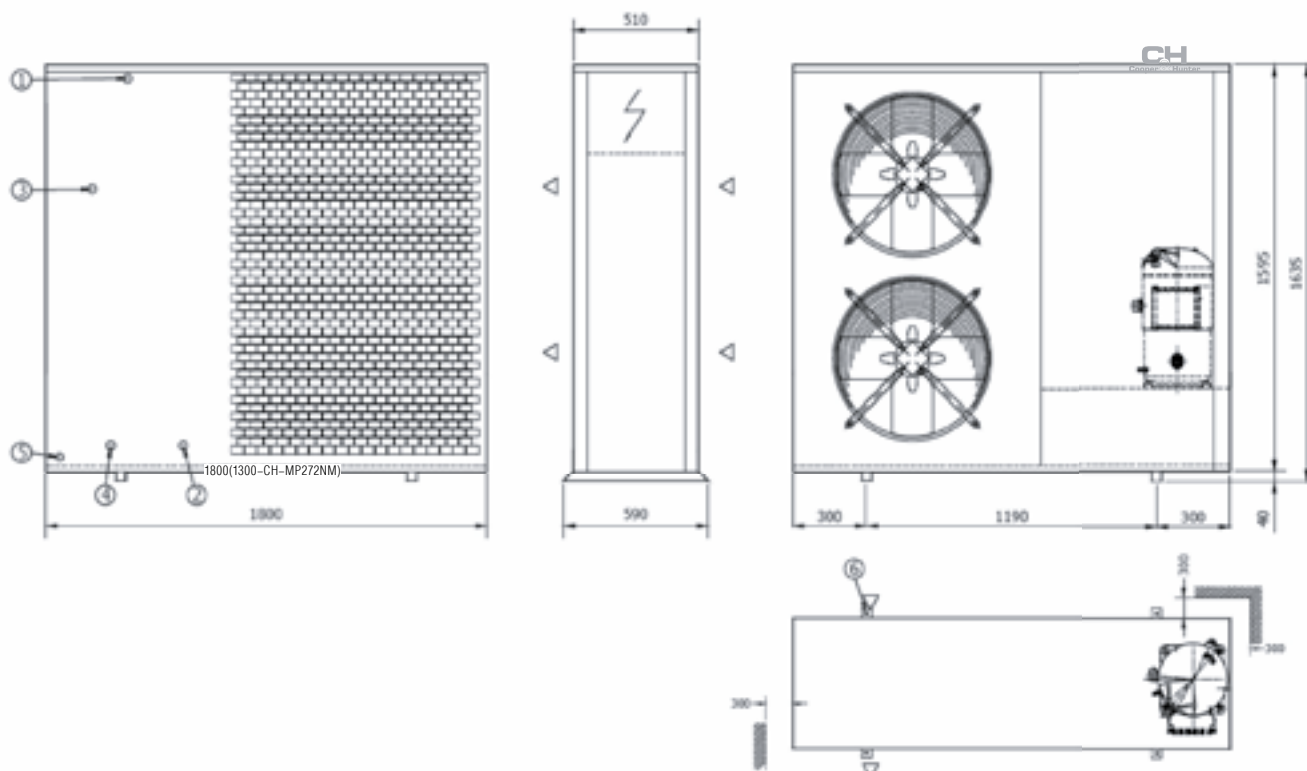


ON/OFF



Multifunctional heat generators with liquid injection scroll compressor for the production of hot water up to 65°C

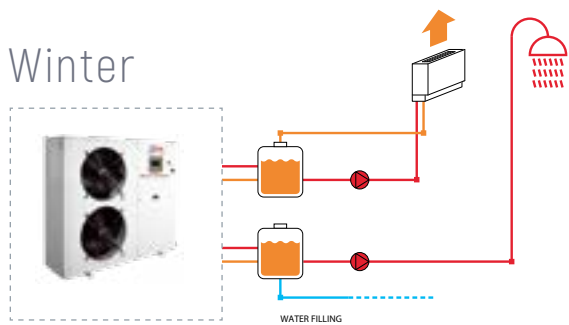
Model		CH-MP272NM	CH-MP315NM	CH-MP358NM	CH-MP411NM	CH-MP462NM	CH-MP501NM
Capacity	Cooling/Heating kW	23.7/27.2	29.4/31.5	32.2/35.8	36.4/41.1	41.2/46.2	44.5/50.1
Power Supply		-380-415 V/50 Hz/3 Ph					



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Capacity (Cooling/Heating)	kW	23.7/27.2	29.4/31.5	32.2/35.8	36.4/41.1	41.2/46.2	44.5/50.1
Consumed power (Cooling/Heating)	kW	8.04/7.24	9.3/9.2	10.5/10.2	12.2/11.5	13.7/13.3	14.9/14.6
COP/EER		3.38/3.27	3.39/3.20	3.41/3.16	3.37/3.17	3.37/3.10	3.36/3.05
Hot water temperature	°C	up to 65					
Power supply		-380-415 V/50 Hz/3 Ph					
Refrigerant type		R410A					
Temperature range	°C	-20 — +45					
Sound pressure level	dB (A)	72	74	74	74	74	74
Weight	kg	202	295	361	369	386	395

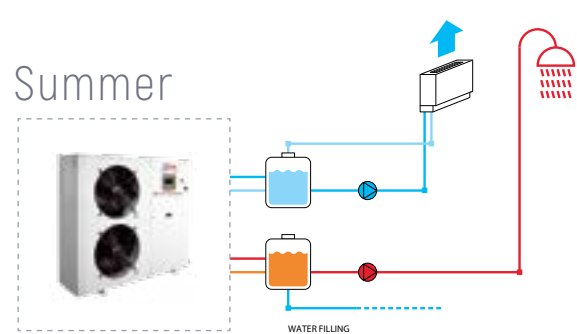
- ▶ Scroll compressor optimized for heat pump with innovative liquid injection system.
- ▶ Fans propeller type.
- ▶ Water side evaporator stainless steel AISI 316 brazed plate type externally insulated complete of differential pressure switch and antifreeze protection electric heater.
- ▶ Hot sanitary water evaporator stainless steel AISI 316 brazed plate type externally insulated complete of differential pressure switch and antifreeze protection electric heater.
- ▶ Condenser coils with seamless copper tubes and aluminium fins.
- ▶ Double set point temperature for comfort cooling/heating water and for sanitary water.

- ▶ Anti-legionella measures.
- ▶ Condensing and evaporating pressure control with variable fan speed modulation for external temperature up to  $-20^{\circ}\text{C}$ .
- ▶ Hot sanitary water circuit equipped with variable flow rate circulators.
- ▶ Air conditioning circuit equipped with variable flow rate circulators.
- ▶ Microprocessor.
- ▶ Galvanised steel base frame and panels in powder painted galvanised steel sheet for outdoor installation.
- ▶ Communication card RS485.



### WINTER AIR-CONDITIONING AND HOT SANITARY WATER PRODUCTION

- ▶ Production of hot water (up to  $65^{\circ}\text{C}$ ) for the heating and hot water production (giving priority to the sanitary consumptions).



### SUMMER AIR-CONDITIONING AND HOT WATER PRODUCTION

- ▶ Production of cold water for the cooling and free of costs hot water production (up to  $65^{\circ}\text{C}$ ) to serve sanitary consumptions.

