

Cwc-Enersave

Water cooled water chillers and heat pump units with reverse water supply and scroll compressors.

Unit description

- Compressor tandem scroll with electric heater R407C.
- Evaporator stainless steel AISI 316 brazed plate type externally insulated complete with differential pressure switch and antifreeze protection electric heater.
- Condenser stainless steel AISI 316 brazed plate type externally insulated complete with differential pressure switch.
- Microprocessor control system by Microchiller or by Thermologic.
- Casing structure and panels in galvanised steel with powder paint anti-corrosive (RAL 9007).

Versions

ZC water cooled packaged water chillers

ZH water cooled packaged water chillers for heat pump operation by reversing the water supply from the condenser and evaporator to the plant

ZME condenserless units to be connected to remove condenser

Energy applications setting up

D: setting-up with de-superheater (partial recovery) mounted in factory fitted on the compressor discharge line.

R: setting-up with heat recovery (total recovery) mounted in factory fitted in series to the condenser heat exchanger.

Accessories mounted in factory:

- 2 additional unloading steps;
- High/low pressure gauges;
- Ground fault protection;
- Compressors jackets sound attenuators;
- Liquid receivers for condenserless unit.

Data referred to:

COOLING: evaporator water temperature in/out 12/7°C - condenser water temperature in/out 30/35 °C.

HEATING: evaporator water temperature in/out 15/10°C - condenser water temperature in/out 40/45°C.

Accessories supplied loose:

- Remote control display (Microchiller);
- Remote control display (Thermologic);
- Network control through a local PC with dedicated software (as additional accessory) under Windows by serial output RS 232;
- Network control through a remote PC with dedicated software (as additional accessory) under Windows by gateway and modem;
- Connection to BMS control by serial output RS 232, gateway and protocol MOD-BUS;
- Flow switch;
- Water strainer;
- Water regulating valve;
- Rubber anti-vibration set.

DIMENSIONS AND WEIGHTS

sizes	length		width		height		shipping weight	
	C	H	C	H	C	H	C	H
	mm		mm		mm		Kg	
2100Z	2450		760		1600		765	
2120Z	2450		760		1600		794	
2150Z	2450		760		1600		853	
2190Z	2450		760		1600		946	
2230Z	2720		1000		1630		1246	
2260Z	2720		1000		1630		1393	
2290Z	2720		1000		1630		1517	
2320Z	2720		1000		1630		1579	
2380Z	3650		1000		1830		2020	
2410Z	3650		1000		1830		2174	
2460Z	3650		1000		1830		2276	
2540Z	3650		1000		1830		2372	
2590Z	3650		1000		1830		2453	

Sizes		2100Z	2120Z	2150Z	2190Z	2230Z	2260Z	2290Z	2320Z	2380Z	2410Z	2460Z	2540Z	2590Z
C	Cooling Capacity	kW	109	126	154	188	222	254	285	318	372	409,5	456	536
	Compressors input	kW	23,4	26,2	33,6	39,6	46,2	52,8	59,4	66	78,6	88,5	98,4	113,1
H	Heating capacity	kW	124	142	176	214	249	284	319	354	426	478,5	531	591
	Sound pressure levels (1)	dB(A)	53	53	55	55	57	58	59	60	60	61	62	63

C Chiller **H** Heat pump

(1) Sound pressure level along the longitudinal axis at 10m distance from unit surface and 1m height from the ground.



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