

Easy

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



Unit description

- **Compressor** scroll with electric sump 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.
- **Casing** in galvanised steel base frame and panels in pre-painted (RAL 9007) galvanised steel sheet for outdoor installation.

Versions

ZC water cooled water chiller
 ZH reverse cycle water heat pump
 ZME condenserless units to be connected to remote condenser
 ZCM water cooled condensing units

Accessories mounted in factory:

- Over/under voltage + phase failure relay.
- Main switch;
- Liquid receivers;
- Cycle inversion on refrigerant circuit.

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;
- 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;
- Cooling only condensing unit connection kit including: expansion valve, solenoid valve, drier filter and sight glass.

DIMENSIONS AND WEIGHTS

Sizes	Length		Width		Height		Shipping Weight	
	C	H	C	H	C	H	C	H
	mm		mm		mm		Kg	Kg
17Z	550		450		830		65	
19Z	550		450		830		70	
110Z	550		450		830		75	
113Z	550		450		830		97	
115Z	550		450		830		107	
121Z	600		600		1240		258	
126Z	600		600		1240		271	
130Z	600		600		1240		323	
140Z	600		600		1240		348	
240Z	1000		600		1440		384	
245Z	1000		600		1440		400	
255Z	1000		600		1440		440	
265Z	1000		600		1440		480	
280Z	1000		600		1440		532	
290Z	1400		600		1440		612	

Sizes		17Z	19Z	110Z	113Z	115Z	121Z	126Z	130Z	140Z	
C	Cooling Capacity	kW	6,8	8,4	9,8	12,6	14,7	21,2	25,5	30,2	38,7
	Compressors input	kW	1,6	1,9	2,1	2,6	3,2	4,8	5,6	6,4	7,9
H	Heating capacity	kW	8,4	10,3	11,8	14,9	17,9	26,1	30,9	36,5	46,5
	Sound pressure levels (1)	dB(A)	40	40	40	46	46	48	53	54	56
	Full load current	A	13,6	15,3	6,6	7,9	10	13,3	15,4	19,2	22,8
	Starting current	A	59	73	43	46	82	95	90	127	82,4
	Power supply	V/ph/Hz	230V/1ph/50Hz	230V/1ph/50Hz	400/3+n/50	400/3+n/50	400/3+n/50	400/3+n/50	400/3+n/50	400/3+n/50	400/3+n/50

Sizes		240Z	245Z	255Z	265Z	280Z	290Z
C	Cooling Capacity	kW	36,7	43,6	53	61,5	86,8
	Compressors input	kW	7,7	9,4	11	12,7	20,2
H	Heating capacity	kW	43,9	53,2	63,7	73,9	114
	Sound pressure levels (1)	dB(A)	50	51	56	57	59
	Full load current	A	25,6	26,6	30,8	38,4	55,6
	Starting current	A	159	108,3	105,4	146,2	216,3
	Power supply	V/ph/Hz	400/3+n/50	400/3+n/50	400/3+n/50	400/3+n/50	400/3+n/50

C Chiller **H** Heat pump

(1) Sound pressure level condensing coil side at 5m distance from unit surface and 1m height from the ground.



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