



CREA-C



ATEX



CFC & HCFC
FREE



50Hz./ 60Hz.



Independent water chilling units intended to cool fluids in industrial processes in Refineries, Chemical Plants and zones classified to have an explosion risk.

The easily-assembled water cooler is installed in the proximity of the systems to be cooled; the coolant condensation system is through the air or water upon request.

The “**CREA-C**” water coolers can be supplied for liquid cooling, with the option of energy recovery depending on the needs of the facilities.

All of the units in the series include the electronic temperature regulator as well as an alarm management system.

All of the components that make up the air conditioning units have “Ex-d” protection, being suitable for facilities in Zone 1 and 2.

The units are built standard in stainless steel with AISI-304 quality (upon request in AISI-316 stainless steel), the units are fully independent and only need an electrical power supply to operate.



ATEX II2G Ex dc - IIC - T3

TECHNICAL CHARACTERISTICS:

	U.	CREA-60-C	CREA-75-C	CREA-90-C	CREA-110-C	CREA-125-C	CREA-160-C
Cooling Capacity.	W.	3.020	3.900	4.640	5.450	6.410	7.920
Fluid flow.	m ³ /h.	0.5	0.6	0.8	1.0	1.1	1.3
Available pressure.	bar.	3.0	3.2	3.2	3.5	3.5	3.5
Tank capacity.	Liters.	50	100	100	100	100	100
Power consumed.	Kw.	3.20	3.72	4.2	5.1	5.2	5.9
Electrical current. (400V)	Amp.	6.11	7.14	7.96	9.31	9.51	10.61
Recommended Fuse.	Amp.	10	10	16	16	16	20
Voltage 50Hz. (Standard)	V.	380-420	380-420	380-420	380-420	380-420	380-420
Voltage 60Hz. (upon request)	V.	440-480	440-480	440-480	440-480	440-480	440-480
Electrical switchboard protection	IP	IP-66	IP-66	IP-66	IP-66	IP-66	IP-66
Ecological coolant.	R	R-407-C	R-407-C	R-407-C	R-407-C	R-407-C	R-407-C
Fluid temperatura range.	°C.	+0 / +20	+0 / +20	+0 / +20	+0 / +20	+0 / +20	+0 / +20
Room temperatura range.	°C.	-20 / +50	-20 / +50	-20 / +50	-20 / +50	-20 / +50	-20 / +50
Sound level (1mts.)	dB(A)	71	71	75	75	75	75

	U.	CREA-190-C	CREA-215-C	CREA-255-C	CREA-315-C	CREA-380-C	CREA-475-C
Cooling Capacity.	W.	9.580	11.270	13.300	16.160	19.160	24.170
Fluid flow.	m ³ /h.	1.6	2.0	2.3	2.8	3.3	4.0
Available pressure.	bar.	3.5	3.5	3.5	3.5	3.5	3.5
Tank capacity.	Liters.	100	100	100	150	150	150
Power consumed.	Kw.	7.9	8.3	10.10	11.50	15.50	18.20
Electrical current. (400V)	Amp.	14.63	15.83	18.93	22.63	28.56	38.66
Recommended Fuse.	Amp.	25	25	32	32	40	50
Voltage 50Hz. (Standard)	V.	380-420	380-420	380-420	380-420	380-420	380-420
Voltage 60Hz. (upon request)	V.	440-480	440-480	440-480	440-480	440-480	440-480
Electrical switchboard protection.	IP	IP-66	IP-66	IP-66	IP-66	IP-66	IP-66
Ecological coolant.	R	R-407-C	R-407-C	R-407-C	R-407-C	R-407-C	R-407-C
Fluid temperatura range.	°C.	+0 / +20	+0 / +20	+0 / +20	+0 / +20	+0 / +20	+0 / +20
Room temperatura range.	°C.	-20 / +50	-20 / +50	-20 / +50	-20 / +50	-20 / +50	-20 / +50
Sound level (1mts.)	dB(A)	76	76	80	80	80	80

	U.	CREA-565-C	CREA-665-C	CREA-770-C	CREA-850-C	CREA-995-C	CREA-1155-C
Cooling Capacity.	W.	29.260	34.620	39.380	45.210	51.444	58.760
Fluid flow.	m ³ /h.	5.0	6.0	6.7	7.7	8.08	10.0
Available pressure.	bar.	3.5	3.5	4.0	4.0	4.0	4.5
Tank capacity.	Liters.	150	200	200	200	200	200
Power consumed.	Kw.	20.4	24.6	29.4	32.3	32.8	40.9
Electrical current. (400V)	Amp.	45.66	47.76	57.97	69.97	69.97	78.52
Recommended Fuse.	Amp.	63	63	80	100	100	125
Voltage 50Hz. (Standard)	V.	380-420	380-420	380-420	380-420	380-420	380-420
Voltage 60Hz. (upon request)	V.	440-480	440-480	440-480	440-480	440-480	440-480
Electrical switchboard protection.	IP	IP-66	IP-66	IP-66	IP-66	IP-66	IP-66
Ecological coolant.	R	R-407-C	R-407-C	R-407-C	R-407-C	R-407-C	R-407-C
Fluid temperatura range.	°C.	+0 / +20	+0 / +20	+0 / +20	+0 / +20	+0 / +20	+0 / +20
Room temperatura range.	°C.	-20 / +50	-20 / +50	-20 / +50	-20 / +50	-20 / +50	-20 / +50
Sound level (1mts.)	dB(A)	81	81	84	84	84	85

CONSTRUCTIVE CHARACTERISTICS:

- Body made using AISI-304 or 316 thick stainless steel sheet, finished on the inside with thermal insulation 20 mm thick, M1 fire resistant (self-extinguishing), the air conditioning unit being capable of working outdoors.
- The highly efficient exchange batteries (coolant-air) are made of a copper tube and shock-body aluminium fin, with a 2.1 mm separation between fins, upon request manufactured with anti-corrosive treatment.
- The multi-plate or multi-tube cooling exchanger depending on the model and use built with AISI-316 stainless steel plates.
- Direct drive semi-hermetic compressors with ATEX certification.
- Vertical or horizontal water pump depending on use, built with stainless steel, ATEX-certified set.
- Helical condensing fan, given pressure control to allow you to control the condensation temperature in cold climate conditions.

OPTIONAL:

- Heat recovery condensation system, using multi-plate exchanger made of AISI-316 stainless steel.
- Anti-corrosive treatment batteries with Blygold or Heresite.
- Condensation system via industrial cooling air or water recovery.
- Equipment suitable according to ATEX for zones classified as II 2G EExd-IIB, II 2G EExd-IIC.
- Different classes of surface temperature T3,T4,T5,T6.
- Broad range of voltages and frequencies available.

EQUIPMENT SELECTION:

CREA-YYY-O

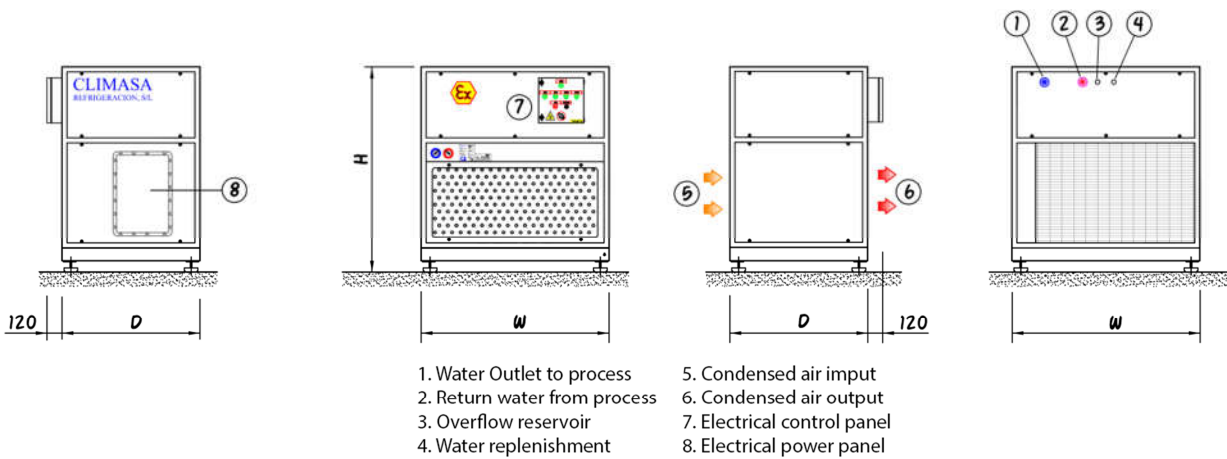
SERIAL

MODEL
(SEE TABLE)

O. SAFE ZONE EQUIPMENT.
B. CLASIFICACION Exd -IIB.
C. CLASIFICACION Exd-IIC.



DIMENSIONS:



	W (mm)	D (mm)	H (mm)	1 (diameter)	2 (diameter)	3 (diameter)	4 (diameter)	Weight (Kg.)
CREA-60-C	1.000	1.000	1.650	1/2"	1/2"	1/2"	1/2"	450
CREA-75-C	1.000	1.000	1.650	1/2"	1/2"	1/2"	1/2"	470
CREA-90-C	1.000	1.000	1.650	1/2"	1/2"	1/2"	1/2"	480
CREA-110-C	1.200	1.200	1.650	1/2"	1/2"	1/2"	1/2"	520
CREA-125-C	1.200	1.200	1.650	1/2"	1/2"	1/2"	1/2"	540
CREA-160-C	1.200	1.200	1.650	1/2"	1/2"	1/2"	1/2"	580
CREA-190-C	1.200	1.200	1.650	3/4"	3/4"	3/4"	1/2"	590
CREA-215-C	1.200	1.200	1.650	3/4"	3/4"	3/4"	1/2"	620
CREA-255-C	1.200	1.200	1.650	3/4"	3/4"	3/4"	1/2"	650
CREA-315-C	1.500	1.200	1.650	1"	1"	3/4"	1/2"	690
CREA-380-C	1.500	1.200	1.650	1 1/4"	1 1/4"	1"	1/2"	750
CREA-475-C	1.900	1.200	1.650	1 1/4"	1 1/4"	1"	1/2"	790
CREA-565-C	1.900	1.200	1.650	1 1/4"	1 1/4"	1"	1/2"	840
CREA-665-C	1.900	1.200	1.650	1 1/4"	1 1/4"	1"	1/2"	890
CREA-770-C	2.500	1.200	1.650	1 1/2"	1 1/2"	1"	1/2"	950
CREA-850-C	2.500	1.200	1.650	1 1/2"	1 1/2"	1"	1/2"	1.050
CREA-995-C	2.500	1.200	1.650	2"	2"	1"	3/4"	1.120
CREA-1155-C	3.200	1.200	1.650	2"	2"	1"	3/4"	1.240

CLIMASA REFRIGERACIÓN RESERVES THE RIGHT TO MAKE CHANGES WITHOUT PRIOR NOTICE.



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