



Close control air-conditioning unit
 With chilled water
 Indoor installation
Capacity from 25,5 to 119,1 kW

CLOSEControl



UCP-CW Clivet air conditioners are energy efficient modular units, direct expansion water cooled condensing units complete with precision adjustment.

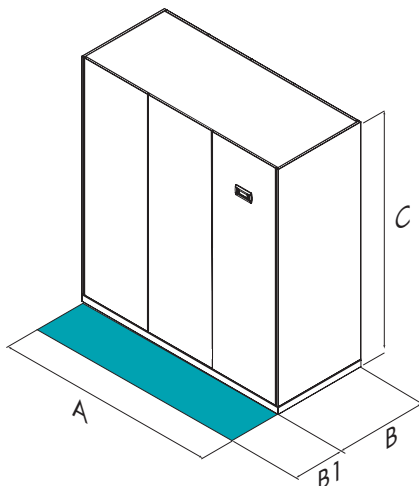
They are specialised in **climate control for technological areas with a high thermal load and continuous** cycle operation, such as Data Centres, Telecommunication stations, Laboratories and Processing sites.

The UCP-CW technological solutions include electronically controlled ventilated sections, heat exchangers to high surface and continuous control of capacity. They contribute to reducing operational costs and the environmental impact of the site, thanks to the efficient use of the available energy and simplification of maintenance operations.

functions and features



dimensions and clearances



Size – UCP-CW		61	71	81	82	102	122	162	222	302
A - Length	mm	1253	1253	1253	1525	1525	2189	2189	2853	2853
B - Width	mm	894	894	894	894	894	894	894	894	894
C - Height	mm	1990	1990	1990	1990	1990	1990	1990	1990	1990
B1	mm	800	800	800	800	800	800	800	800	800
Operating weight	kg	250	255	272	325	357	521	554	749	811

The above mentioned data are referred to standard units for the constructive configurations indicated. For all the other configurations, refer to the relative Data Sheet.

CAUTION! For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

versions and configurations

- ▶ **DF** DOWNFLOW, air supply downward
- ▶ **UF** UPFLOW, air supply upward
- ▶ **XE** EXTRA EFFICIENCY (with increased exchanger)

- ▶ **B3M** Water heating coil with motorised 3-way valve

accessories

- ▶ **VEC** High efficiency EC fan
- ▶ **F5** High efficiency F5 air filter
- ▶ **FPG4** Pleated air filter class G4 (EN779 norm)
- ▶ **PSAF** Differential pressure switch for dirty air filters
- ▶ **MADX** Motorized air supply damper
- ▶ **PGFX** Plenum with frontal grille
- ▶ **V2MCW** Modulating 2-way valve for chilled water
- ▶ **V3MCW** Modulating 3-way valve for chilled water
- ▶ **HSE3** Electrode boiler steam humidifier from 3 kg/h (sizes 61÷81)
- ▶ **HSE5** Electrode boiler steam humidifier from 5 kg/h (sizes 61÷162)
- ▶ **HSE8** Electrode boiler steam humidifier from 8 kg/h (sizes 82÷302)
- ▶ **HSE9** Electrode boiler steam humidifier from 15kg/h (sizes 82÷302)
- ▶ **EH17** 18 kW electric heaters (sizes 82÷302)
- ▶ **EH24** Electric heaters from 36 kW (sizes 222÷302)
- ▶ **EH10** 6 kW electric heaters (sizes 61÷81)
- ▶ **EH12** 9 kW electric heaters (sizes 61÷102)
- ▶ **EH14** 12 kW electric heaters (sizes 61÷162)
- ▶ **EH22** Electric heaters from 27 kW (sizes 122÷302)
- ▶ **CDPX** Discharge condensate pump
- ▶ **ZBX** Base H=500 mm with frontal return grille
- ▶ **SFA1X** Adjustable floor stand 300<H<500mm
- ▶ **SFA2X** Adjustable floor stand 500<H<700mm
- ▶ **PM** Phase monitor
- ▶ **RCMRX** Remote control via microprocessor control
- ▶ **LONW** LonWorks serial communication module
- ▶ **MODB** Modbus serial communication module
- ▶ **BACN** BACnet serial communication module
- ▶ **PTAO** Outlet air temperature probe
- ▶ **DEFL** Flood detector
- ▶ **DESM1** Smoke detector
- ▶ **CTU** Temperature and humidity control
- ▶ **CTEMP** Temperature control
- ▶ **PRAE** External air intake with filters

Key to symbols:

- Accessories supplied separately.

technical data

Size – UCP-CW		61	71	81	82	102	122	162	222	302
▶ Cooling capacity	(1)(2) kW	25,5	30,1	36,4	43,2	54,3	61,7	79,6	93,4	119,1
Sensible capacity	(1)(2) kW	21,9	25,9	31,1	36,2	43,7	52,4	64,2	78,6	96,7
Outlet air flow-rate	(1) l/s	1667	2083	2222	2500	2639	3750	4028	5556	5972
Type of supply fan	(1)(3) -	RAD	RAD	RAD	RAD	RAD	RAD	RAD	RAD	RAD
Number of supply fans	(1) Nr	1	1	1	1	1	2	2	3	3
Fan diameter	(1) mm	500	500	500	500	500	500	500	500	500
Max. static pressure supply fan	(1)(4) Pa	360	360	360	360	280	360	360	360	360
Standard power supply	(1) V	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50
Sound pressure level	(5) dB(A)	52	53	54	56	58	58	59	61	62

- Note**
- (1) Performance refers to operation at full re-circulation Performance not including fan motor capacity DB = dry bulb WB = wet bulb
 - (2) Ambient air at 24°C D.B./17 °C W.B. Relative humidity 50% 0% glycol, input water at 7°C and output water at 12°C
 - (3) RAD = radial ventilation
 - (4) Net outside static pressure to win the outlet and intake onboard pressure drops
 - (5) The sound levels are referred to units working at full load in nominal conditions. The sound pressure level is referred at a distance of 1 m. from the ducted unit surface working in free field conditions.External static pressure 50 Pa. Measurements in accordance with Standard UNI EN ISO 9614-2.
Please note that when the unit is installed in conditions different from nominal test conditions (e.g. near walls or obstacles in general), the sound levels may undergo substantial variations.