

CWX Water cooled condensing unit Cooling only operation Internal installation with capacity from 3.5 to 6.7kW

R410A



Accessory TL 3



Accessory PF



CWX



EXC



EWP



Plasmacluster



EWA_H

The internal units EWP and EWA_H are supplied with the ioniser filter PLASMACLUSTER. Plasmacluster is capable of breaking down contaminants, decomposing the molecules.

By electrical discharges "Plasmacluster" causes the water molecules present in the air to be split into positive and negative ions. These ions neutralise the molecules of gaseous contaminants achieving products normally present in clean air.

The result is in the air: finally you can breathe air cleaned, ionised and without bad odours.

Characteristics

- Available in 3 versions of different capacities
- The versions are manufactured with refrigerant R410A (CWX1200, CWX1800, CWX2400)
- Operates as cooling only with condensation by water
- CWX condensing unit with rotary compressor
- **EXC:** internal unit with three speed centrifugal fan with the possibility to modify the electrical connection to increase the available static pressure. **Mandatory accessory PF(wired panel) or TL3 (remote controller), required for the operation of the unit**
- **EWA_H - EWP:** internal unit with three speed tangential type fan. Horizontally adjustable discharge louvres and motorised deflector louvres, actioned by the remote controller for vertically adjusting the supply air. Infra red remote controller with liquid crystal display.
- Extremely low noise operation
- Microprocessor controller
- Timer programmed delay start and stop
- Programmes for cooling only, heating only, dehumidification, automatic operation (heating/cooling)
- Washable filter easily removed and with anti mould treatment
- Flare type refrigerant connections
- Refrigerant lines up to 15m
- Vast range of accessories available for the internal unit EXC

Technical data

CWX		1200	1800	2400
Cooling capacity	W	3500	5100	6700
Total power input	W	795	1370	1940
Total current input	A	3.58	6.34	1.4
Water use at 16°C	l/h	140	235	345
Water use at 30-35°C	l/h	706	1082	1450
Sound pressure	dB(A)	47.5	50.5	50.5
Refrigerant			R410A	
Refrigerant connections	Ø liquid	1/4"	1/4"	1/4"
	Ø gas	1/2"	1/2"	5/8"
Refrigerant lines	Ø liquid	1/4"	1/4"	1/4"
	Ø gas	1/2"	1/2"	5/8"
EXC		123	183	243
Heating capacity (electric heater)	W	1650	1950	2200
Condensate drain rate	l/h	1.4	1.78	2.3
EER	W/W	-	3.72	3.45
Energy efficiency class		-	A	B
Current input (electric heater)	A	7.2	8.5	9.6
Heating capacity with water coil*	W	3800	5000	6700
Internal unit air flow	(min.) m ³ /h	310	550	610
	(med.) m ³ /h	400	650	830
	(max.) m ³ /h	520	840	960
Sound pressure	(min.) dB(A)	29.0	43	41
	(med.) dB(A)	34.5	46.5	45
	(max.) dB(A)	39.0	50	48
Refrigerant connections	Ø liquid	1/4"	1/4"	1/4"
	Ø gas	1/2"	1/2"	5/8"
EWA		120 H	-	-
Condensate drain rate	l/h	1.2		
EER	W/W	4.40		
Energy efficiency class		A		
Air flow	m ³ /h (min.)	210	-	-
	m ³ /h (med.)	396	-	-
	m ³ /h (max.)	438	-	-
Sound pressure	dB(A) (min.)	28	-	-
	dB(A) (med.)	33	-	-
	dB(A) (max.)	37	-	-
Refrigerant connections	Ø liquid	1/4"	-	-
	Ø gas	1/2"	-	-
EWP		-	181 H	
Condensate drain rate	l/h	-	1.6	
Air flow	m ³ /h (min.)	-	798	
	m ³ /h (med.)	-	954	
	m ³ /h (max.)	-	1068	
Sound pressure	dB(A) (min.)	-	37	
	dB(A) (med.)	-	42	
	dB(A) (max.)	-	45	
Refrigerant connections	Ø liquid	-	1/4"	
	Ø gas	-	1/2"	

Power supply = 230V ~ 50Hz

Performances relate to the following conditions:

Sound pressure measured in a semi-reverberant room of 85m³ and reverberation time Tr = 0.5s

Sound pressure measured in an anechoic chamber at 1.3m distance and directivity factor 4

■ Cooling:

- ambient air temperature 27°C Db / 19°C WB
- external air temperature 35°C
- maximum speed

* = Apply the connection (1/2" F - 5/8" M) supplied loose with the condensing unit CWX 2400 to the refrigerant connections of unit EWP H

Accessories

Mandatory accessory PF or TL3 are required for the operation of the unit

EXC:

- **PF:** Control panel with ambient electronic thermostat for wall mounting. It is a **mandatory accessory** since the EXC unit is shipped without.
- **TL3:** Infra red remote controller with liquid crystal display for the control of all functions. Kit complete with recess mounted base. It is a **mandatory accessory** since the EXC unit is shipped without.
- **AMP:** Hanging installation kit.
- **BC:** Auxiliary condensate drain pan.
- **BV:** 1 row hot water coil.

- **DSC4:** Condensate pump for overcoming lift.
- **GA:** Intake grille with fixed louvres.
- **GAF:** Intake grille with fixed louvres and filter.
- **GM:** Supply grille with adjustable louvres.
- **MA:** Enclosure Alto.
- **MU:** Enclosure Universale.
- **PA:** Suction plenum in galvanised sheet steel, complete with supply connections in plastic for circular duct connections.
- **PC:** Sheet steel panel for enclosing the rear part of the unit.
- **PM:** Discharge plenum in galvanised steel, externally insulated, with supply connections in plastic for circular duct connections.

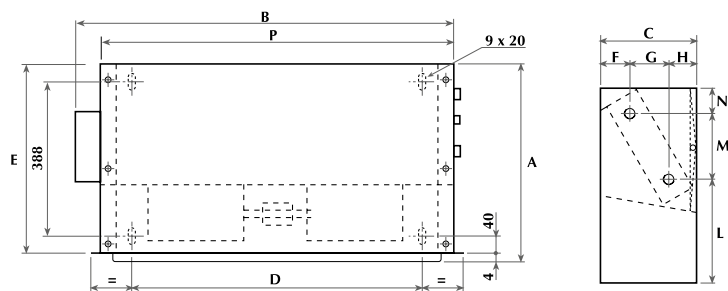
- **RD:** Discharge straight connection for ducting.
- **RDA:** Suction straight connection for ducting.
- **RP:** Discharge connection 90° for ducting.
- **RPA:** Suction connection 90° for ducting.
- **RX:** Shielded electric heater coil with safety thermostat.
- **SE:** External air manual damper.
- **SW:** Sensor that permits unit operation only with temperature above 35°C.
- **VCF:** Kit consisting of 3 way motorised valve, connections and copper tubes.
- **ZX:** Feet for floor mounting for models with the accessory MA, or recess mounting.

		Accessory compatibility		
		CWX 1200	CWX 1800	CWX 2400
		EXC 123	EXC 183	EXC 243
TL	3 ***	✓	✓	✓
PF	***	✓	✓	✓
AMP		✓	✓	✓
	4*	✓****	✓****	✓****
	5**	✓	✓	
BC	6**	✓	✓	✓
	8	✓	✓	
	9			✓
	122			
BV	132			
	142	✓	✓	
	162			✓
DSC	4	✓	✓	✓
	22			
GA	32			
	42	✓	✓	
	62			✓
	22			
GAF	32			
	42	✓	✓	
	62			✓
	22			
GM	32			
	42	✓	✓	
	62			✓
	22			
MA	32			
	42	✓	✓	
	62			✓
	22			
MU	32			
	42	✓	✓	
	62			✓
	22			
PA	32			
	42	✓	✓	
	62			✓
	22			
	23			
PC	32			
	33			
	42	✓	✓	
	43	✓	✓	
	62			✓
	22			
PM	32			
	42	✓	✓	
	62			✓
	22			
RD	32			
	42	✓	✓	
	62			✓
	22			
RDA	32			
	42	✓	✓	
	62			✓
	22			
RP	32			
	42	✓	✓	
	62			✓
	22			
RPA	32			
	42	✓	✓	
	62			✓
	070			
	090			
	120	✓		
RX	180		✓	
	180 T		✓	
	240			✓
	240 T			✓
	20X			
SE	30X			
	40X	✓	✓	
	80X			✓
SW	3	✓	✓	✓
VCF	44	✓	✓	
	45			✓
	5	✓	✓	
ZX	6		✓	✓
	7	✓	✓	
	8			✓

* = in combination with accessory MA ** = in combination with accessory MU *** = Is a **mandatory accessory** in that the EXC unit is shipped without
 **** = The VCF valve and the BC4 drain pan cannot be installed simultaneously on the same unit.

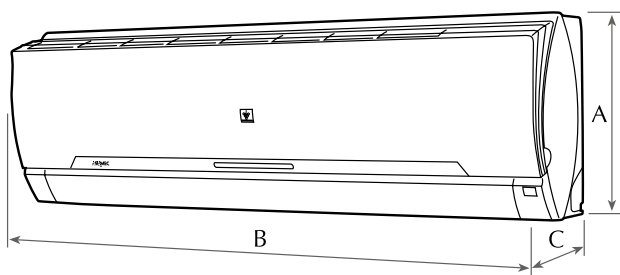
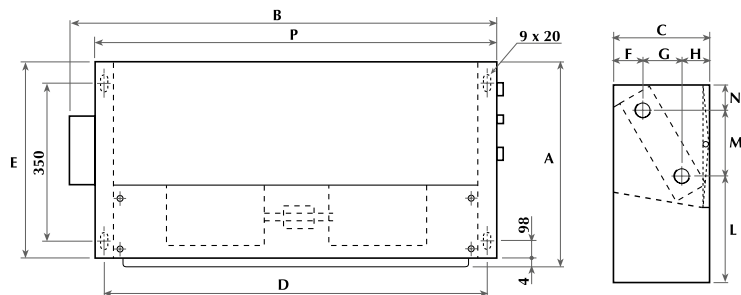
Dimensional data (mm)

EXC 123 - 183



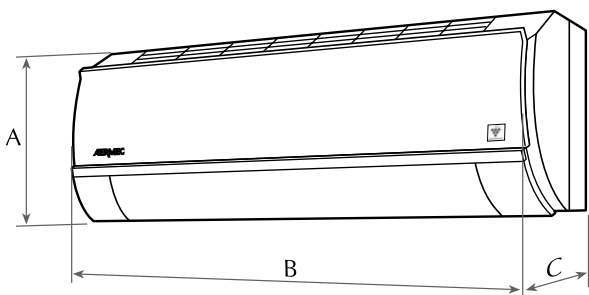
EXC	123	183	243
A	457	457	562
B	1043	1043	1182
C	216	216	216
D	891	891	1102
E	453	453	558
F	41	41	41
G	101	101	107
H	74	74	68
L	260	260	273
M	144	144	253
N	49	49	32
P	973	973	1122
Weight (kg)	26	27	37

EXC 243



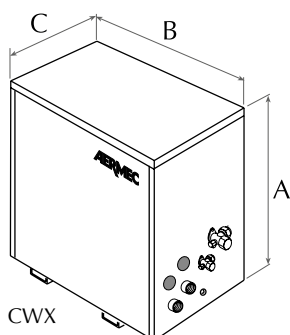
EWP

EWP		181 H
Height	A	325
Width	B	1040
Depth	C	229
Weight	kg	16



EWAH

EWAH		120 H
Height	A	278
Width	B	790
Depth	C	198
Weight	kg	10



CWX

CWX		1200	1800	2400
Height	A	450	450	570
Width	B	470	470	470
Depth	C	260	260	260
Weight	kg	35	38	49

Aermec reserves the right to make all modification deemed necessary for improving the product at any time with any modification of technical data.

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