

EXC

Split system air conditioners and heat pumps
Ductable installation with capacities from 2.1 to 6.7 kW

R410A

R407C

TL 2 accessory



CS 070



CS 090 - 120



CS 180 - 240



Aermec adheres to the EUROVENT Certification Programme. The products concerned appear in the EUROVENT Certified Products Guide.



CX T



CWX

Features

- Available in 5 different power versions
- Heat pump models with cooling cycle inversion operation and defrost control
- 1207 - 1807 - 2407 sizes of cooling only versions can be supplied for use with water cooled condensing unit (CWX)
- Outdoor unit with rotary compressor
- Indoor unit with three-speed centrifugal fan
- with possibility to change the electrical connections in order to obtain a greater available static pressure
- Very quiet operation
- Local and remote control capability
- Microprocessor control
- Timer for programming On/Off times
- Programs for cooling only, heating only, dehumidification and automatic operation (heating/cooling)
- Air filter
- Refrigerant lines with flared connections
- Refrigeration lines up to 10m for EXC 071 - 091, up to 15m for EXC 121 - 181 - 241
- Wide range of accessories

Technical data

Mod.	EXC	071	091	121	181	181	241	241
	CS	070	090	120	180		240	
	CX	070 H	090 H	120 H	180 H		240 H	
	CWX			1207	1807	1807 T	2407	2407 T
Cooling capacity (W)	CS	2100	2800/2650**	3500	5200	-	6700	-
	CX / CWX	-	-	3400	5100	5100	6550	6550
Moisture removed (l/h)	CS	0,7	0,8	1,2	1,6	-	2,2	-
	CX / CWX	-	-	1,2	1,8	1,8	2,5	2,5
Total input power (W)	CS / CX	770	1000	1250/1190**	2080	2200	2700	2900
	CWX	-	-	1225	1870	1820	2470	2370
Total input current (A)	CS / CX	3,5	4,8	5,6	9,4	4,5	12,9	5,6
	CWX	-	-	5,9	9,2	3,6	12,4	4,6
Water consumption at 16 °C (l/h)	CWX	-	-	160	230	230	330	330
Heating capacity (W)	CS H	2400	3100	4000	5500	-	8100	-
Total input power (W)	CS H	710	920	1180	1850	-	2830	-
Total input current (A)	CS H	3,4	4,5	5,2	8,4	-	13,6	-
Heating capacity with electric heater	W	950	1300	1650	1950	1950	2200	2200
Electric heater total input current	A	4,1	5,6	7,2	8,5	2,8	9,6	3,2
Hot water coil heating capacity*	W	2300	3400	3800	5000	5000	6700	6700
Water flow rate*	l/h	198	292	327	430	430	576	576
Water pressure drops*	kPa	8	17	23	41	41	16	16
Indoor unit air flow	m ³ /h (min.)	220	280	310	550	550	610	610
	m ³ /h (med.)	310	370	400	650	650	830	830
	m ³ /h (max.)	360	480	520	840	840	960	960
♪ Sound pressure (EXC)	dB(A) (min.)	32	28,5	29,0	43	43	41	41
	dB(A) (med.)	40	32,5	34,5	46,5	46,5	45	45
	dB(A) (max.)	43	37,5	39,0	50	50	48	48
♪♪ Sound pressure (CS)	dB(A)	45	45	48	55	55	56	56
♪♪♪ Sound pressure (CX)	dB(A)	-	-	-	-	42,5	-	40,5
♪ Sound pressure (CWX)	dB(A)	-	-	44,5	47,5	47,5	48,5	48,5
Refrigerant	CS / CS H	R410A	R410A	R410A	R410A	-	R410A	-
	CX / CWX	-	-	R407C	R407C	R407C	R407C	R407C
Refrigerant connections	Ø liquid	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Ø gas	3/8"	3/8"	3/8"***	1/2"	1/2"	1/2"***	1/2"***

Power supply = 1~ 230V 50Hz; 3N~ 400V 50Hz (CX T; CWX T).

Performance values refer to the following conditions:

♪ Sound pressure measured in an 85 m³ semi-reverberant test chamber with reverberation time Tr = 0.5s.

♪♪ Sound pressure measured at 1 m in an anechoic chamber.

♪♪♪ Sound pressure measured in free field conditions at a frontal distance of 5 m, direction factor 2.

■ Cooling:

- room air temperature 27 °C D.B., 19 °C W.B.;
- ambient air temperature 35 °C; maximum speed.

■ Heating:

- room air temperature 20 °C;
- ambient air temperature 7 °C D.B., 6 °C W.B.; maximum speed;

* room temperature 20 °C; water inlet temperature 70 °C.

** Heat pump models.

*** 1/2" for CWX 1207 ; 5/8" for CX and CWX 2407.

Accessories

- **AMP:** Kit for ceiling mounting.
- **BC:** Auxiliary condensate drip tray.
- **BV:** Single row hot water coil.
- **DCPX:** Low temperature device for operation of outdoor units below 19 °C.
- **DSC:** Condensate drainage device for use when natural run-off is not possible.
- **GA:** Intake louver with fixed slats.
- **GAF:** Intake louver with fixed slats and filter.
- **GM:** Delivery louver with adjustable slats.
- **MA:** Vertical cabinet.
- **MU:** Universal cabinet.
- **PA:** Intake plenum in galvanized steel, with plastic outlet connections for circular section ducting.
- **PC:** Rear cover panel.
- **PF:** Control panel with electronic ambient thermostat for wall installation.
- **PM:** Delivery plenum in galvanized steel with external insulation, with plastic outlet connections for circular section ducting.
- **RD:** Delivery straight duct connection.
- **RDA:** Intake straight duct connection.
- **RP:** Delivery 90° duct connection.
- **RPA:** Intake 90° duct connection.
- **RX:** Armoured electrical heating element with safety thermostat.
- **SE:** Manually operated fresh air intake louver.
- **SW:** Probe that enable unit operation only with temperature above 35 °C.
- **TL:** Infrared remote handset with LCD display for full control of all appliance functions. Kit including receiver for wall installation.
- **VCF:** Kit comprising motorized three-way valve, unions and copper pipes.
- **ZX:** Feet for floor standing installation of models with MA accessory; or built-in installation.

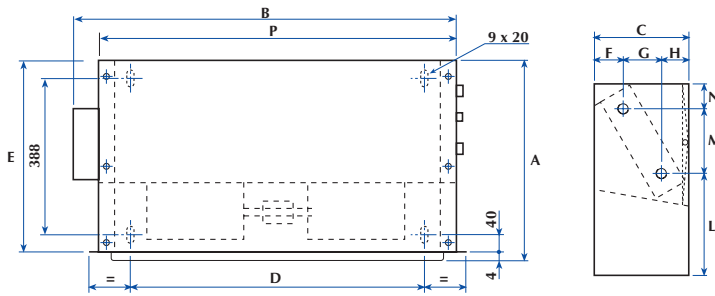
Compatibility of accessories						
	EXC	071	091	121	181	241
	CS	070 - 070 H	090 - 090 H	120 - 120 H	180 - 180 H	240 - 240 H
	CX	-	-	-	1807 T	2407 T
	CWX	-	-	1207	1807 - 1807 T	2407 - 2407 T
AMP		✓	✓	✓	✓	✓
	4*	✓	✓	✓	✓	✓
	5**	✓	✓	✓	✓	✓
BC						✓
	6**					✓
	8	✓	✓	✓	✓	
	9					✓
BV		✓				
	122		✓			
	132					
	142			✓	✓	
	162					
DCPX 25 (for CX T models only)						
DSC		✓	✓	✓	✓	✓
	4					
	22	✓				
GA			✓			
	32					
	42			✓	✓	
	62					✓
GAF		✓				
	22		✓			
	32					
	42			✓	✓	
	62					✓
GM		✓				
	22		✓			
	32			✓	✓	
	42					
	62					✓
MA		✓				
	22		✓			
	32			✓	✓	
	42					
	62					✓
MU		✓				
	22		✓			
	32			✓	✓	
	42					
	62					✓
PA		✓				
	22		✓			
	32			✓	✓	
	42					
	62					✓
PC		✓				
	22		✓			
	23	✓				
	32		✓			
	33		✓			
	42			✓	✓	
	43			✓	✓	
	62					✓
PF		✓	✓	✓	✓	✓
	22					
	32	✓				
PM			✓			
	22			✓	✓	
	32					
	42			✓	✓	
	62					✓
RD		✓				
	22		✓			
	32					
	42			✓	✓	
	62					✓
RDA		✓				
	22		✓			
	32					
	42			✓	✓	
	62					✓
RP		✓				
	22		✓			
	32					
	42			✓	✓	
	62					✓
RPA		✓				
	22		✓			
	32			✓	✓	
	42					
	62			✓	✓	✓
RX		✓				
	070		✓			
	090					
	120			✓		
	180				✓	
	180 T				✓	
	240					✓
	240 T					✓
SE		✓	✓	✓	✓	✓
	20X					
	30X					
	40X			✓	✓	
	80X					✓
SW		✓	✓	✓	✓	✓
TL		✓	✓	✓	✓	✓
VCF		✓	✓	✓	✓	✓
	4					
	5					✓
ZX		✓	✓	✓	✓	✓
	5					
	6					✓
	7	✓	✓	✓	✓	✓
	8					✓

* = in combination with accessory MA

** = in combination with accessory MU

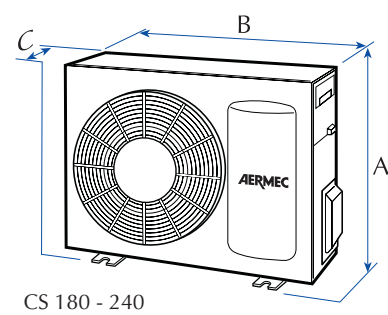
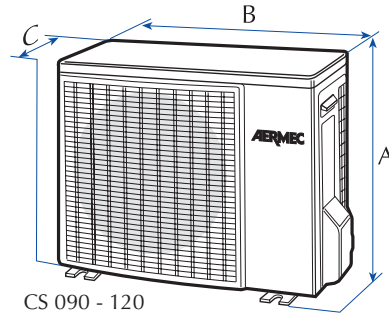
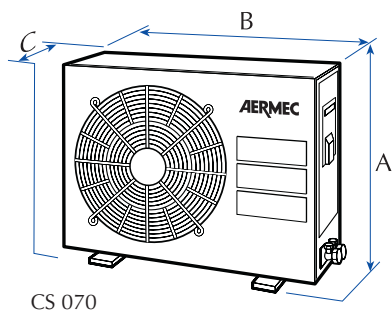
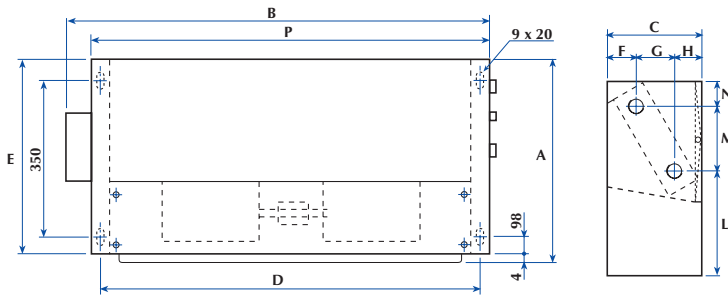
Dimensions (mm)

EXC 071 - 091 - 121 - 181

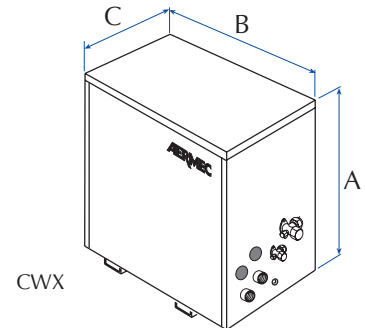
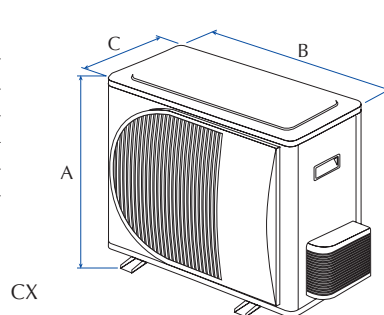


	071	091	121	181	241
A	457	457	457	457	562
B	592	823	1043	1043	1182
C	216	216	216	216	216
D	440	671	891	891	1102
E	453	453	453	453	453
F	41	41	41	41	41
G	101	101	101	101	107
H	74	74	74	74	68
L	260	260	260	260	273
M	144	144	144	144	253
N	49	49	49	49	32
P	522	753	973	973	1122
Weight (Kg)	17	23	26	27	37

EXC 241



	CX	1807 T	2407 T
Height	A	680	680
Width	B	850	850
Depth	C	300	300
Weight	kg	53,5	62,5



		CS					CWX		
		070/070 H	090/090 H	120/120 H	180/180 H	240/240 H	1207	1807	2407
Height	A	535	540	540	645	645	450	450	570
Width	B	720	780	780	915	915	470	470	470
Depth	C	236	269	269	327	327	260	260	260
Weight (kg)	CS	29	33	38	51	60			
	CS H	30	34	39	54	61			
	CWX						31	40	48.5

The technical data in this document are not binding. Aermec S.p.A. reserves the right to make whatever modifications it deems necessary to improve the product at any time.

Aermec S.p.A.
Via Roma, 44 - 37040 Bevilacqua (VR) - Italy
Tel. +39 04 42 63 31 11 - Telefax +39 044 29 35 66
www.aermec.com