EVSLC Ductable fan coil

Compact hydronic unit for air conditioning systems.
Concealed ceiling and wall installation.
Constant flow EC motors.

Description

EVSLC is a recessed fan coil unit which, in combination with a heat pump, allows for the optimal heating and cooling of both residential environments and those of the service sector.

Characteristics

EVSLC has a compact size, thanks to which it can be easily installed concealed in ceilings and walls.

The structure consists of a self-supporting frame made of galvanised sheet metal with internal thermal and acoustic insulation, a water coil adequately sized for satisfactory heat exchange, and a low pressure drop and easily removable filtering section.

Each unit is also equipped with an EC centrifugal fan with low energy consumption, with forward blades for reduced noise. In addition to this, the motors are of the CONSTANT FLOW type, and this allows for self-adaptation to the plant made.
Four sizes are available with different heating and cooling capacities to allow for the most suitable one to be chosen according to plant requirements.

Control electronics

On-board electrical panel with microprocessor and dedicated control.

The unit is sold with a remote panel that allows the user to control speed, temperature and operating modes.

It is possible to choose between simple remote control and control with a Wi-Fi module which allows the operation of the fan coil unit to be managed locally and remotely using an App.

The displays available for this unit are:
-EVCNV2-N advanced remote control with built-in sensors, black.
-EVCNV2-B advanced remote control with built-in sensors, white.
-EVCNW2-N advanced remote control with built-in sensors and Wi-Fi, black.
-EVCNW2-B advanced remote control with built-in sensors and Wi-Fi, white.

Technical specifications

(1) Coil water temperature 7/12°C, room air temperature 27°C d.b. and 19°C w.b. (EU Regulation 2016/2281)

(2) Coil water temperature 45/40°C, room air temperature 20°C (EU Regulation 2016/2281)

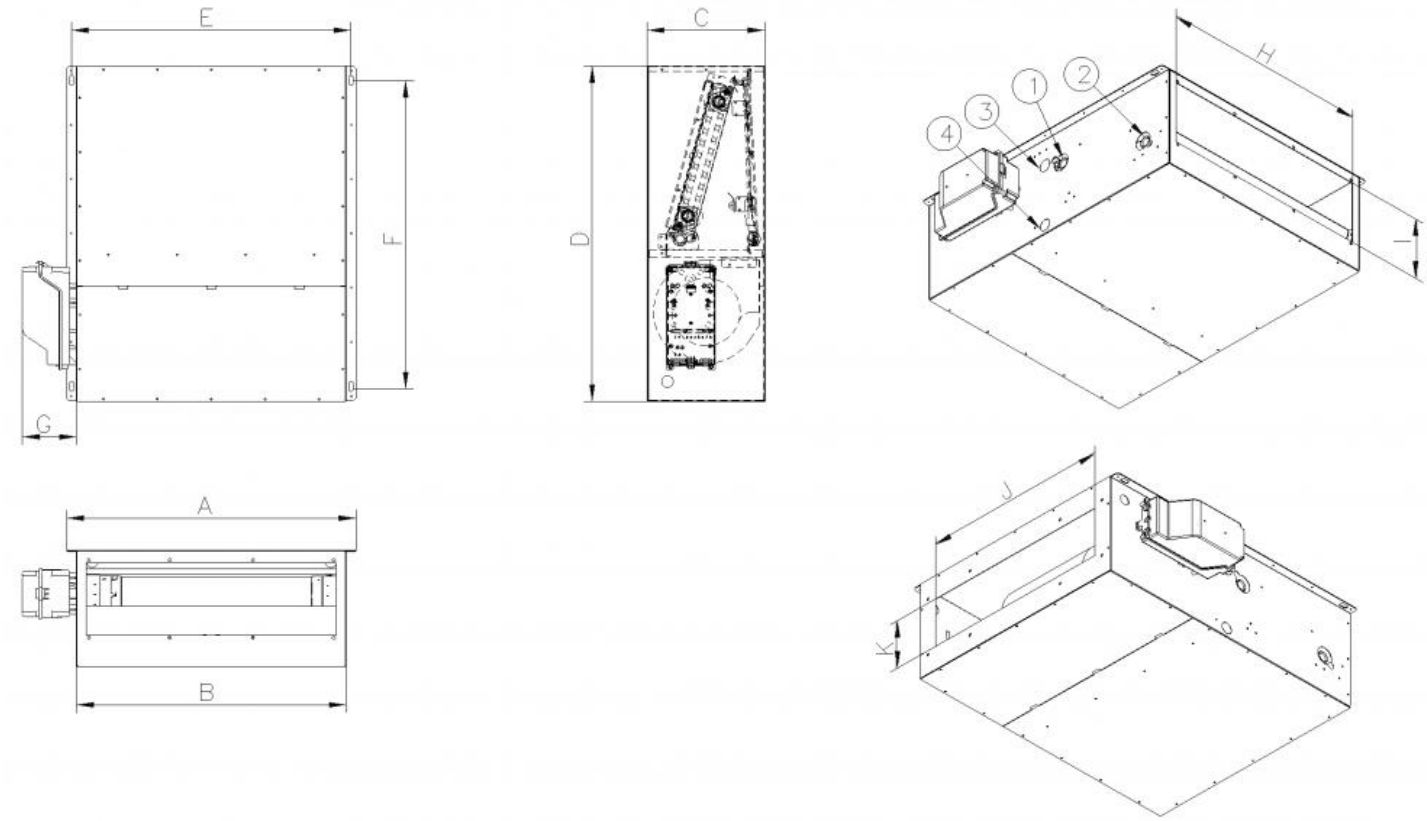
(3) Data referring to the UNI EN 3741 and UNI EN 3744 Standards

EVSLC model		40	60	80	100	120
Nominal air flow rate max. speed	m^3/h	390	560	730	905	1150
Nominal air flow rate med. speed	m^3/h	260	350	440	550	750
Nominal air flow rate min. speed	m^3/h	120	180	240	260	280
Useful pressure	Pa	90	130	110	140	140
Nominal power consumption of recirculation fan	kW	0,085	0,15	0,17	0,17	0,24
Thermal / cooling performance		40	60	80	100	120
Total cooling capacity [1]	kW	1,9	3,0	3,5	4,4	5,9
Sensible cooling capacity [1]	kW	1,4	2,2	2,8	3,6	4,2
Water flow rate	m^3/h	0,33	0,52	0,60	0,76	1,0
Pressure drop	kPa	3,9	11	21	14	16
Total heat output [2]	kW	2,3	3,2	3,9	5,3	6,2
Water flow rate	m^3/h	0,39	0,55	0,67	0,91	1,1
Pressure drop	kPa	7,5	11	21	16	19
Acoustic data[3]		40	60	80	100	120
Sound power Lw transmitted by the structure	dB(A)	55	59	60	62	63
Sound power Lw radiated into the duct	dB(A)	59	64	68	69	71
Average sound pressure Lp at 1m	dB(A)	43	46	48	49	50
Average sound pressure Lp at 3m	dB(A)	37	38	40	41	42
Electrical data		40	60	80	100	120
Power supply	V / ph / Hz	230 / 1 / 50				
Max power absorption	kW	0,09	0,19	0,19	0,28	0,28
Max. current consumption	A	0,7	1,3	1,3	1,9	1,9

Dimensions

All dimensions are expressed in mm

Model	A	B	C	D	E	F	G	Weight kg	Air supply		Air exhaust	
									H	I	J	K
EVSLC 40	590	550	240	695	570	637	90	32	460	150	430	160
EVSLC 60	790	750	240	695	770	637	90	42	660	150	630	160
EVSLC 80	990	950	240	695	970	637	90	46	860	150	830	160
EVSLC 100	1190	1150	240	695	1170	637	90	54	1060	150	1030	160
EVSLC 120	1480	1440	240	695	1460	637	90	65	1320	150	1320	160



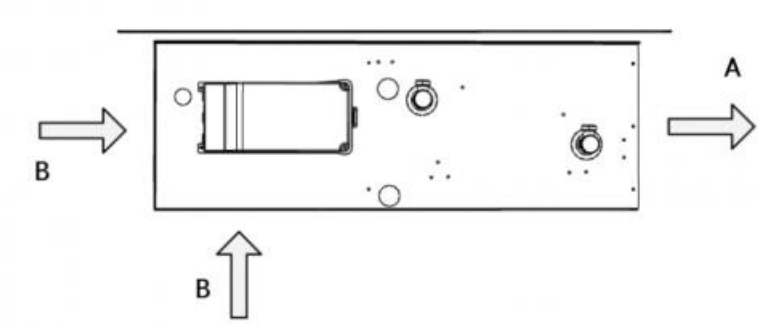
Standard configuration, water coil connections on the LEFT with respect to the air flow.

On request, water coil connections on the RIGHT with respect to the air flow.

Model	Water coil connection dimensions		Condensate drain dimensions	
	1 - Inlet	2 - Outlet	3 - Horizontal version (mm)	4 - Vertical version (mm)
EVSLC 40	3/4" F	3/4" F	18	20
EVSLC 60	3/4" F	3/4" F	18	20
EVSLC 80	3/4" F	3/4" F	18	20
EVSLC 100	3/4" F	3/4" F	18	20
EVSLC 120	3/4" F	3/4" F	18	20

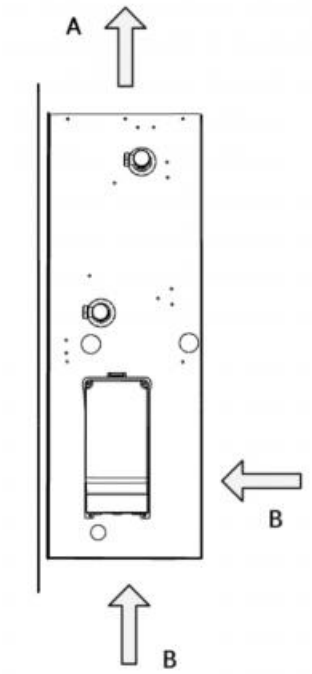
Horizontal installation:

A: air supply
B: air exhaust



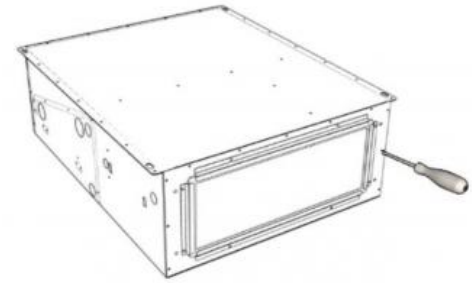
Vertical installation:

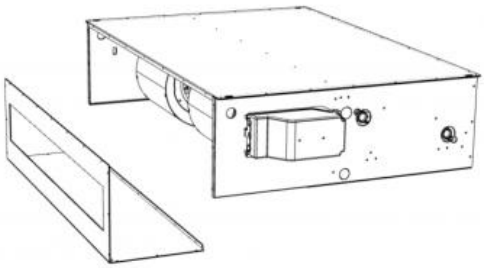
A: air supply
B: air exhaust

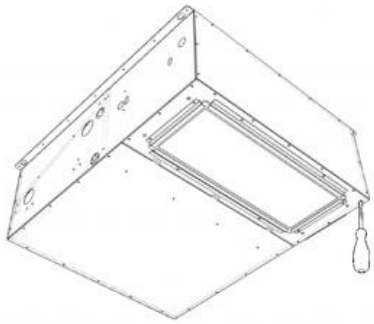


Exhaust air configuration

In EVSLC units, it is possible to change the air exhaust outlet from rear to lateral.







Accessories for air supply and exhaust

Model	Description
EVSLC 40	Supply plate with 2 circular connections for flexible duct Ø 160 mm
	Exhaust plenum with 2 circular connections for flexible duct Ø 160 mm
EVSLC 60	Supply plate with 3 circular connections for flexible duct Ø 160 mm
	Exhaust plenum with 3 circular connections for flexible duct Ø 160 mm
EVSLC 80	Supply plate with 4 circular connections for flexible duct Ø 160 mm
	Exhaust plenum with 4 circular connections for flexible duct Ø 160 mm
EVSLC 100	Supply plate with 6 circular connections for flexible duct Ø 160 mm
	Exhaust plenum with 6 circular connections for flexible duct Ø 160 mm
EVSLC 120	Supply plate with 7 circular connections for flexible duct Ø 160 mm
	Exhaust plenum with 7 circular connections for flexible duct Ø 160 mm

Price list:

Item normally available from stock

Model	Euro	remote electronic control EVCNV2-N black	remote electronic control EVCNV2 -B white	remote electronic control EVCNW2-B with Wi-Fi connection white	remote electronic controlEVCNW2-B con collegamento Wi-Fi colore bianco	Supply plate	Exhaust plenum	Spare filter	2-way on/off valve	3-way on/off valve
EVSLC 40	1352,85	230,88	230,88	285,05	285,05	62,92	188,75	42,84	321,00	380,78
EVSLC 60	1488,77	230,88	230,88	285,05	285,05	84,34	199,46	53,55	321,00	380,78
EVSLC 80	1794,91	230,88	230,88	285,05	285,05	105,76	251,67	73,63	321,00	380,78
EVSLC 100	1924,48	230,88	230,88	285,05	285,05	136,55	273,09	95,05	321,00	380,78
EVSLC 120	2446,57	230,88	230,88	285,05	285,05	157,96	301,20	100,40	321,00	380,78