

EVCD

Fan Boxes

Technical Sheet

Rev.02

ecoclima

AIR EVOLUTION

EVCD

Sound-insulated fan boxes

Made of galvanized sheet steel for ventilation and air extraction systems.

Features

- Aluminium tubular frame;
- Plastic corner joints;
- Structure made of galvanized sheet steel and flat sound-absorbing padding;
- Double-inlet centrifugal fan with a directly coupled motor, statically and dynamically balanced;
- Impeller with forward-curved blades made of galvanized steel sheet;
- Monophase 230 V 50 Hz;
- Threephase 400 V 50 Hz;

Accessories

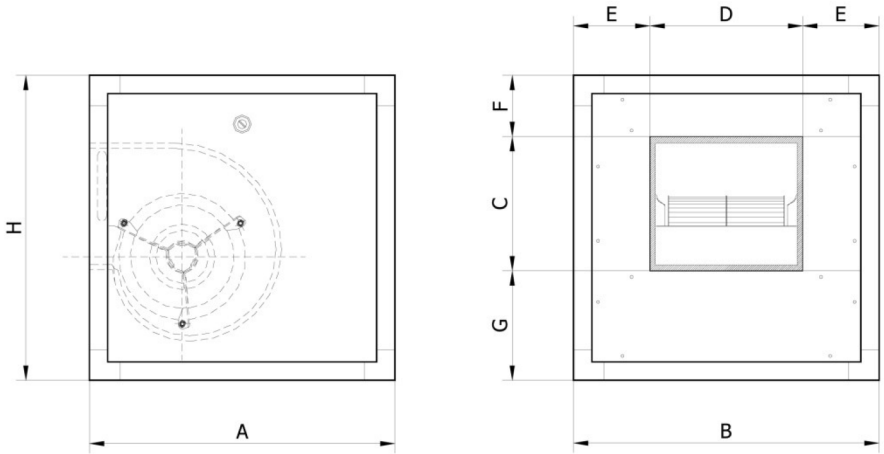
- RCS - Speed controls;
- INVERTER - Threephase inverter;
- T-EVC Roof protection;
- C- EVC Hood with bird mesh;
- PF-EVC - External filter holder;
- EFPON Filter;
- K-EVC Feet kit;

Use

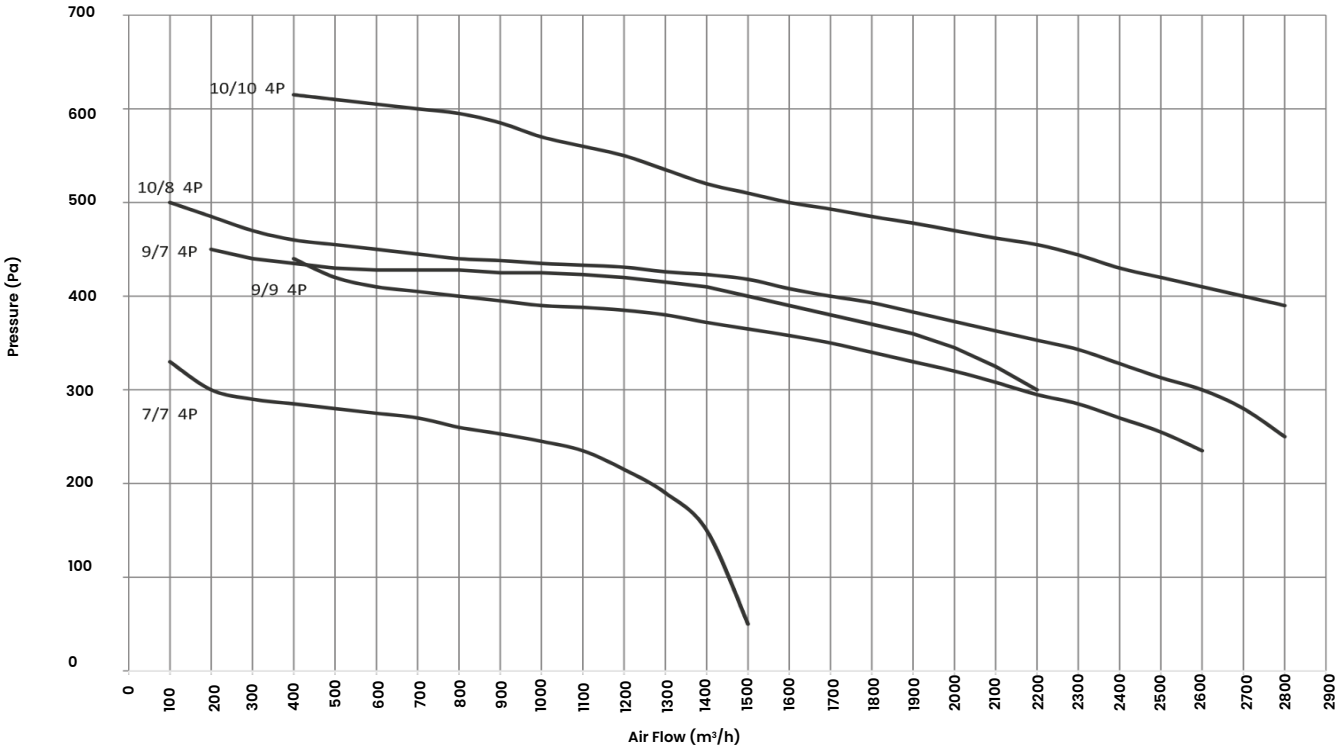
Designed for installation in supply or extract air duct systems, with direct connection to ducts conveying clean or slightly dusty air. Airflow rates from 1000 to 6800 m³/h and static pressure up to 650 Pa.

	Measure Unit	EVCD 7/7	EVCD 7/7	EVCD 9/7	EVCD 9/9	EVCD 10/8	EVCD 10/8	EVCD 10/10	EVCD 10/10	EVCD 12/9	EVCD 12/9	EVCD 12/12	EVCD 12/12
Nr. of Poles	-	4	6	4	4	4	6	4	6	6	6	6	6
Nr. of Speed	-	1	1	1	1	1	1	1	1	1	1	3	1
Supply	V	230-1f	230-1f	230-1f	230-1f	230-1f	230-1f	230-1f	230-1f	230-1f	400-3f	230-1f	400-3f
Consumption	A	0,54	1,20	3,00	3,00	3,00	1,85	5,30	1,85	6,00	6,3/3,6	6,00	6,3/3,6
Electrical Power	W	147	50	420	420	550	250	550	250	745	1100	736	1100
Sound Pressure*	dB(A)	57	52	63	66	65	63	67	58	64	67	64	68
Maximum Temperature	°C	40	40	40	40	40	40	40	40	40	40	40	40
Protection Grade	-	IP 55	IP 30	IP 30	IP 30	IP 20	IP 30	IP 20	IP 30	IP 20	IP 30	IP 20	IP 30
A	mm	500	600	600	600	600	600	600	600	600	600	750	750
B	mm	500	600	600	600	600	600	600	600	600	600	750	750
C	mm	220	220	280	280	310	310	310	310	360	360	360	360
D	mm	250	250	250	320	285	285	350	350	420	420	420	420
E	mm	125	125	175	140	158	158	125	125	210	210	165	165
F	mm	100	100	105	105	85	85	85	85	156	156	156	156
G	mm	180	180	215	215	205	205	205	205	234	234	234	234
H	mm	500	500	600	600	600	600	600	600	750	750	750	750
Weight	kg	23,00	22,50	37,00	37,00	38,00	38,00	38,50	38,50	57,50	58,50	62,50	63,00

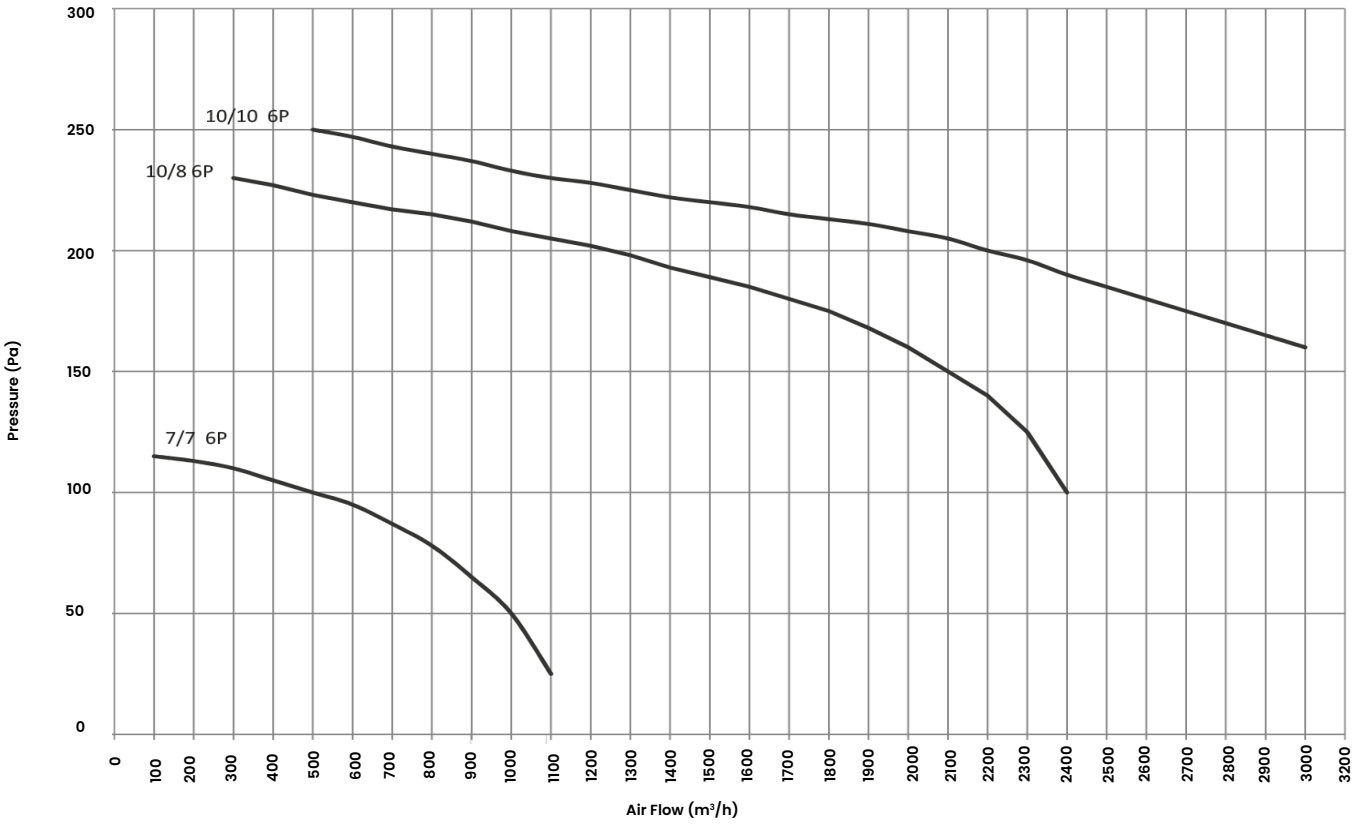
* Sound Pressure at 1,5 m.



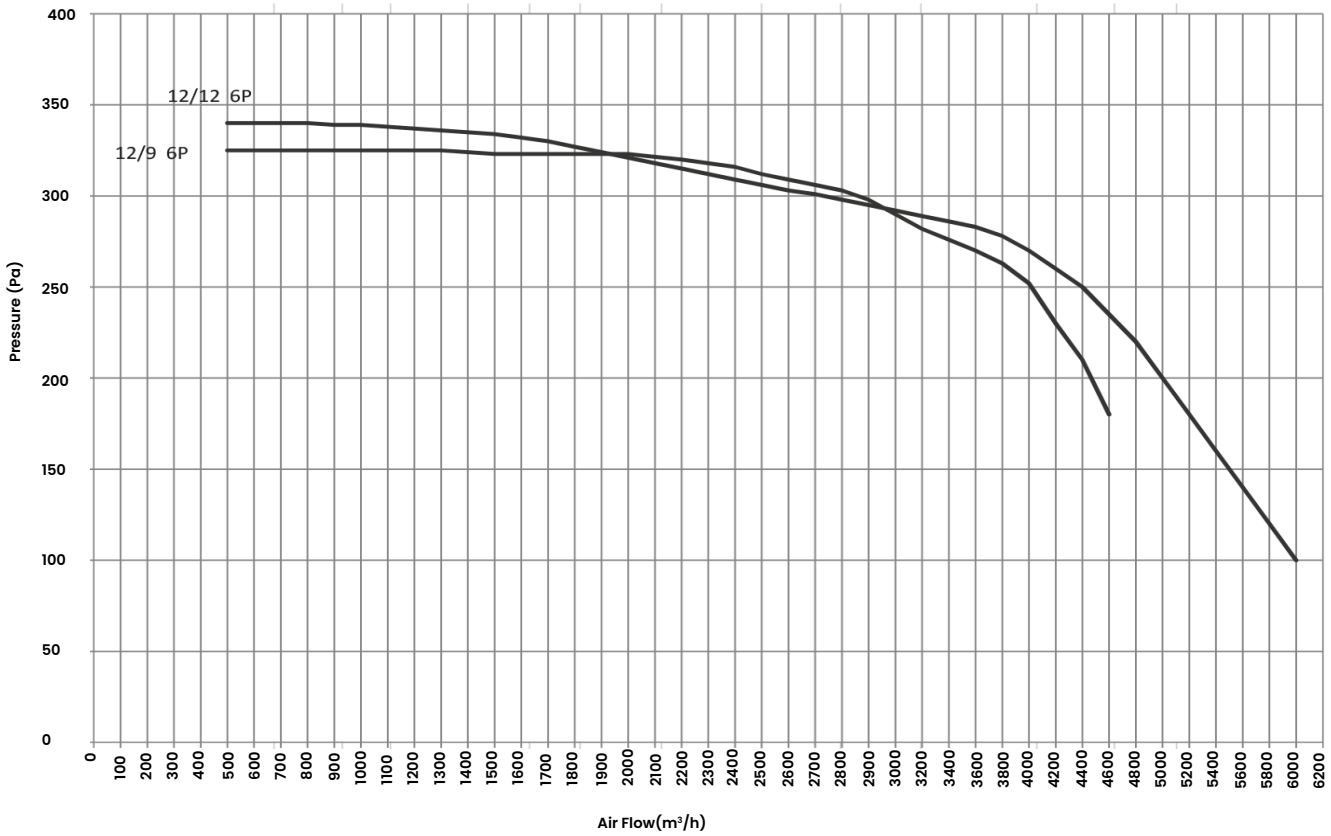
EVCD 4 POLES



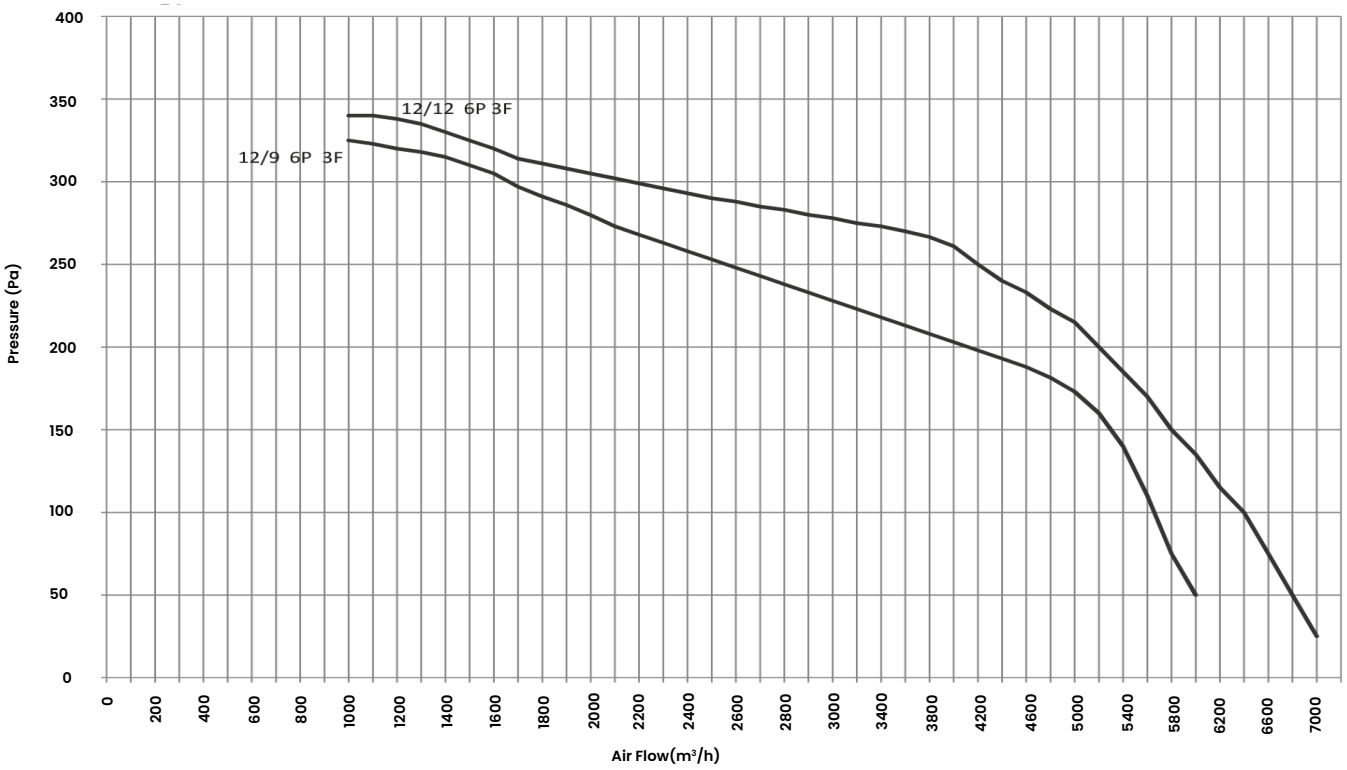
EVCD 6 POLES



EVCD 12/9 AND 12/12 MONOPHASE



EVCD 12/9 AND 12/12 THREEPHASE

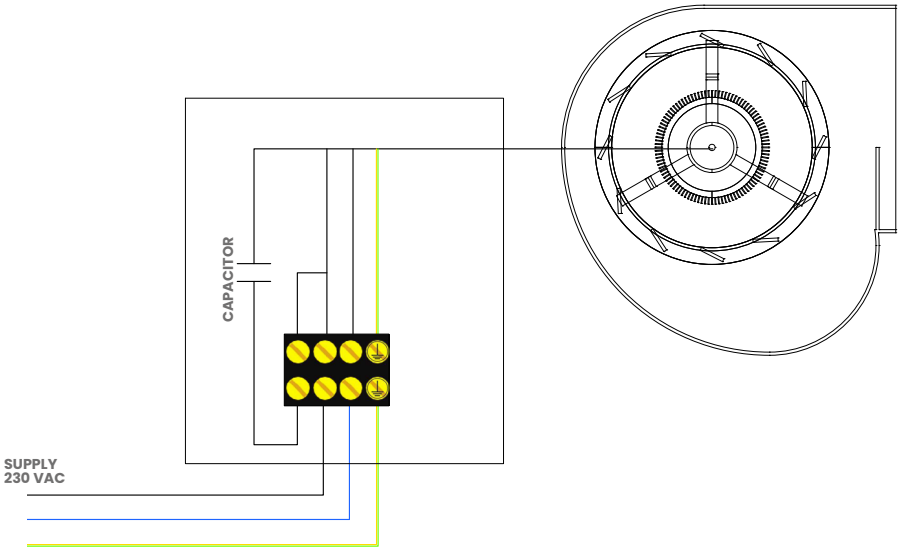


ELECTRICAL CONNECTIONS

DIRECT CONNECTION

1) Open the access panel and reach the motor terminal box;

2) For cable sizing, check the fan's maximum current consumption indicated on the label and in the technical data;

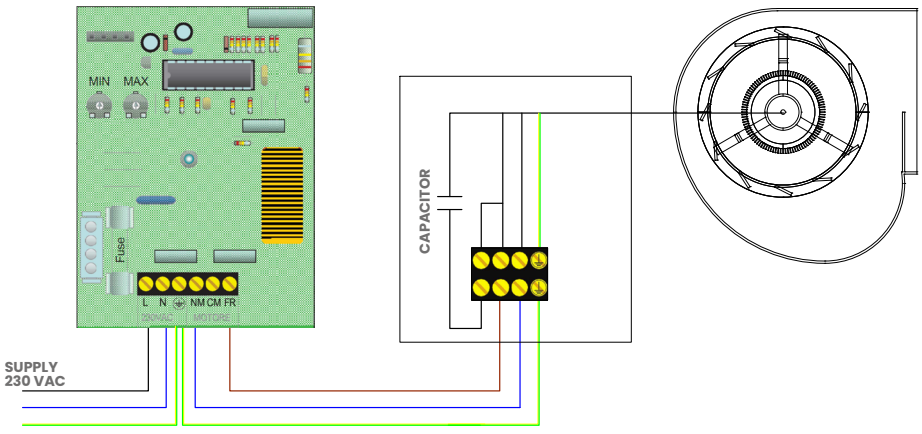


ELECTRICAL CONNECTIONS

CONNECTION WITH REGULATOR

1) Open the access panel and reach the motor terminal box;

2) For cable sizing, check the fan's maximum current consumption indicated on the label and in the technical data;



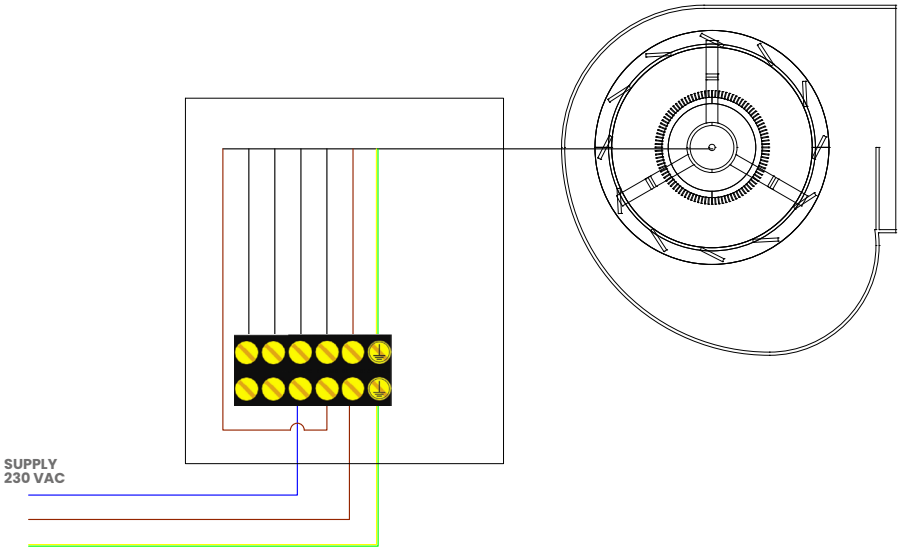
Connections must be carried out by qualified personnel. Before proceeding, make sure the unit is disconnected from the power supply.

ELECTRICAL CONNECTIONS EVCD 12/12 3V

DIRECT CONNECTION

1) Open the access panel and reach the motor terminal box;

2) For cable sizing, check the fan's maximum current consumption indicated on the label and in the technical data;

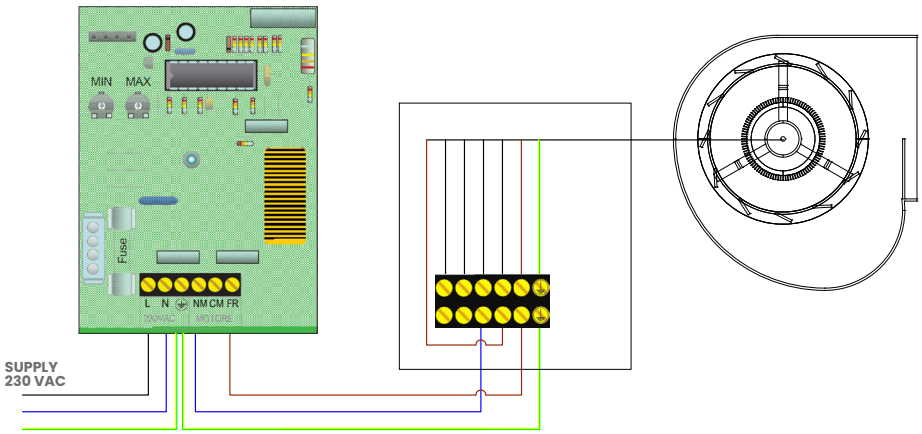


ELECTRICAL CONNECTIONS EVCD 12/12 3V

CONNECTION WITH REGULATOR

1) Open the access panel and reach the motor terminal box;

2) For cable sizing, check the fan's maximum current consumption indicated on the label and in the technical data;



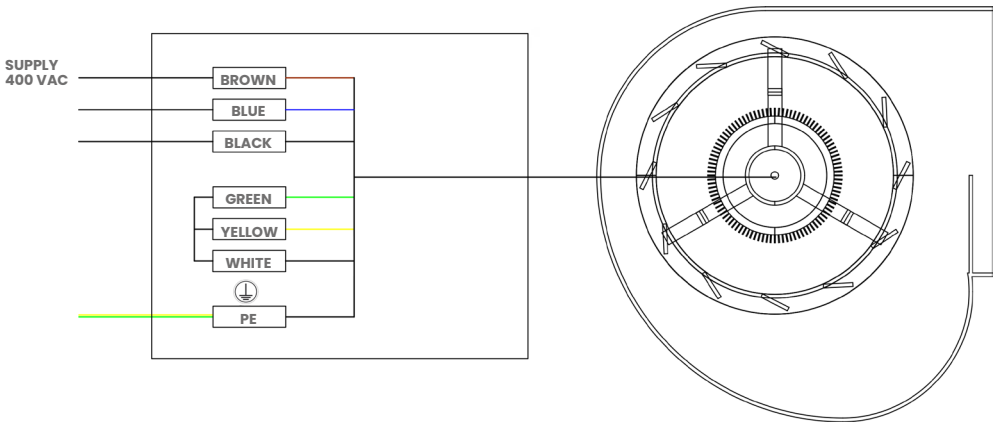
Connections must be carried out by qualified personnel. Before proceeding, make sure the unit is disconnected from the power supply.

ELECTRICAL CONNECTIONS

STAR THREE PHASE CONNECTION 400 VAC

1) Open the access panel and reach the motor terminal box;

2) For cable sizing, check the fan's maximum current consumption indicated on the label and in the technical data;

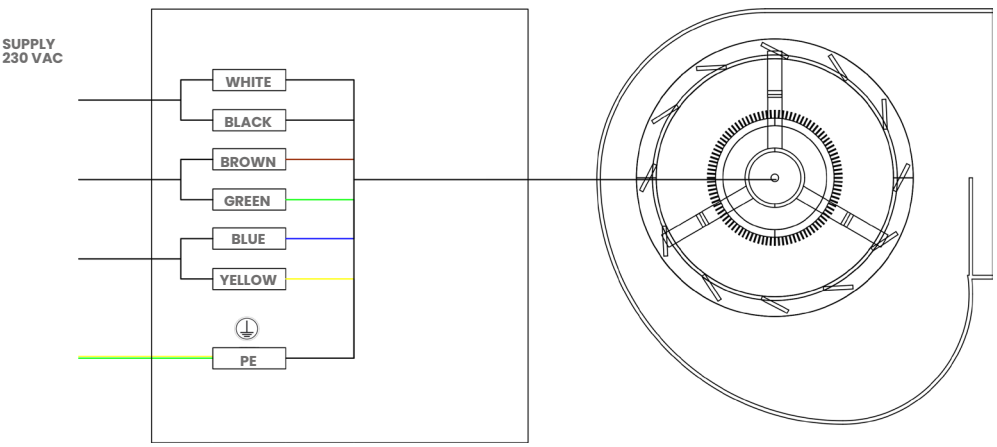


ELECTRICAL CONNECTIONS

DELTA THREE PHASE CONNECTION 230 VAC

1) Open the access panel and reach the motor terminal box;

2) For cable sizing, check the fan's maximum current consumption indicated on the label and in the technical data;

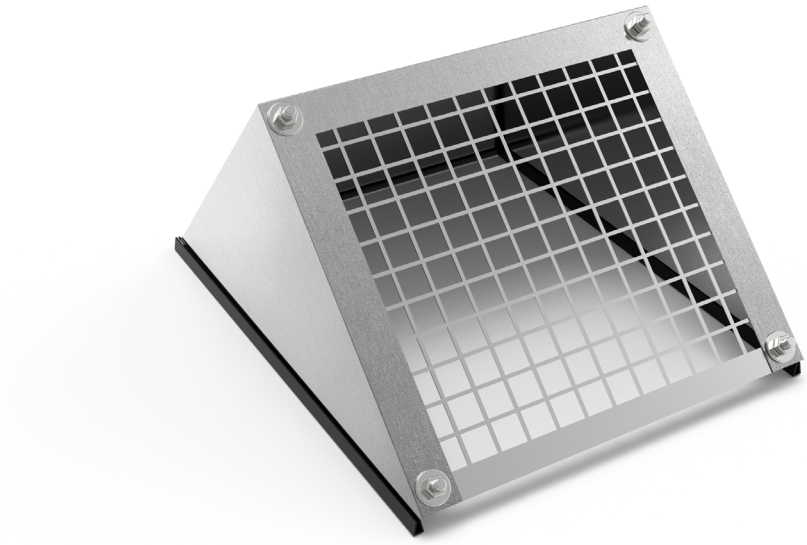


Connections must be carried out by qualified personnel. Before proceeding, make sure the unit is disconnected from the power supply.

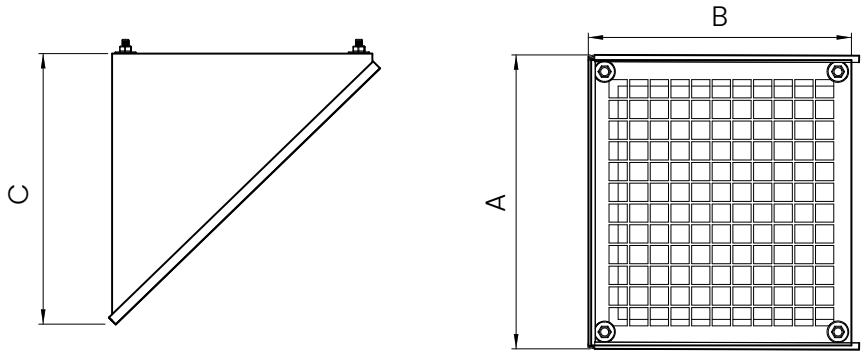
ACCESSORIES

HOOD WITH BIRD MESH C- EVC

The grilled weather hood is a terminal designed to protect air intake and exhaust openings in ventilation systems. Made of galvanized or painted sheet steel, it is equipped with anti-cut rubber trim, front grille, and rain protection profile to prevent the direct entry of water, leaves, and foreign objects. It ensures proper airflow and reliable protection against atmospheric agents, making it ideal for outdoor installations.



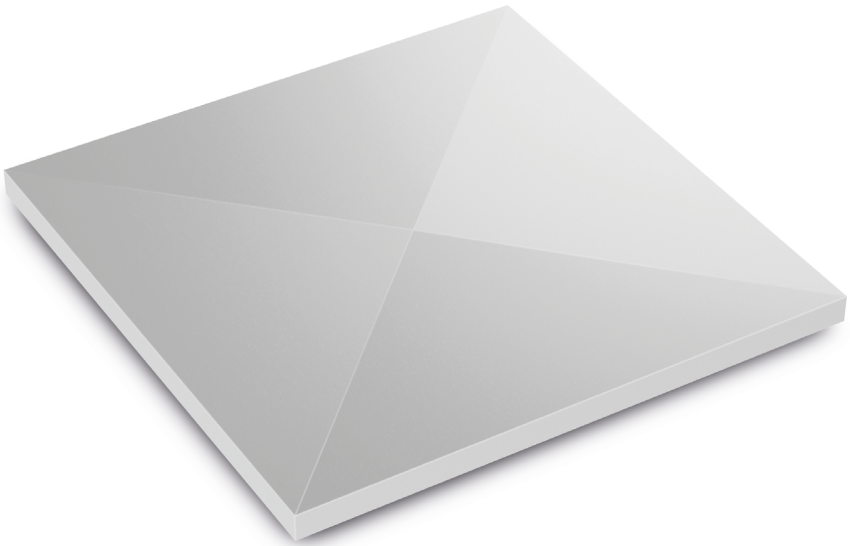
	Measure Unit	EVCD 7/7	EVCD 9/7	EVCD 9/9	EVCD 10/8	EVCD 10/10	EVCD 12/9	EVCD 12/12
A	mm	315	325	390	420	420	490	490
B	mm	295	350	350	380	380	435	435
C	mm	300	300	300	300	300	300	300



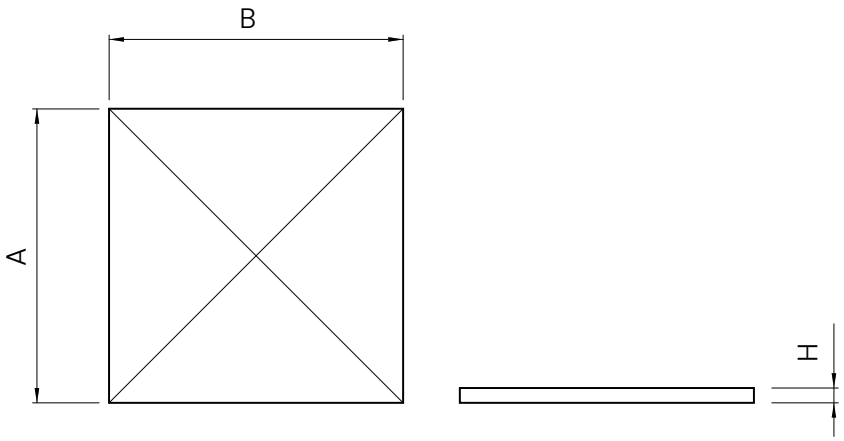
ACCESSORIES

ROOF PROTECTION T- EVC

The weather protection roof is a durable protective cover designed for the outdoor installation of ventilated cabinet units. Made of galvanized sheet steel with a thickness of 5/10 mm, it provides excellent protection against rain and atmospheric agents, helping to preserve the unit's efficiency and durability over time, even in harsh weather conditions.



	Measure Unit	EVCD 7/7	EVCD 9/7	EVCD 9/9	EVCD 10/8	EVCD 10/10	EVCD 12/9	EVCD 12/12
A	mm	505	605	605	605	605	755	755
B	mm	505	605	605	605	605	755	755
C	mm	25	25	25	25	25	25	25
Weight	kg	2,34	3,32	3,32	3,32	3,32	4,95	4,95



CODE

How to order

EVCD	7/7	50	4P	[]

EVCD	Version	Power (W)	Nr. of Poles	Supply
Fan box	7/7	147	6P	[] - Monophase
	9/7	420	4P	T - Threephase
	9/9	420	4P	
	10/8	550	4P	
	10/8	250	6P	
	10/10	550	4P	
	10/10	250	6P	
	12/9	745	6P	
	12/9	1100	6P	
	12/12	736	6P	
	12/12	1100	6P	

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AIR EVOLUTION

Head quarter

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CERTIFIED SYSTEM QS
ISO 9001
ISO 50001
ISO 45001
ISO 14001
Certified Management System