



Auto/ hygro-adjustable cabinet fans made from galvanised steel, certified at 400°C-1/2h for air extraction in the event of a fire and specially designed to maintain a constant pressure in the installation. Can be installed outdoors as Standard (vertical discharge models require weatherproof covers). Insulated versions (ISO models): Incorporate 25mm glass wool sound insulation (M0 Fire classification). Completely automatic operation: a pressure sensor, installed as standard inside the cabinet, sends information to the frequency converter which adjusts the speed of the motor. This enables a constant pressure to be maintained in the network of ducts throughout the entire ventilation curve. This constant adaptation of fan speed to the requirements of the installation also provides a considerable reduction in energy consumption. The pressure level can be easily adjusted. Power supply 230V.



CONSTANT
PRESSURE



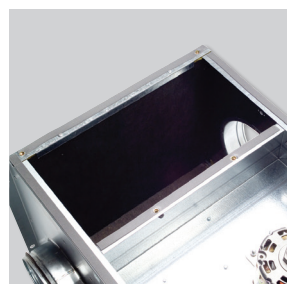
SAVINGS IN
ENERGY
CONSUMPTION



On-off switch



Pressure switch



Insulated versions (ISO models): They incorporate 25mm glass wool sound insulation (M0 Fire classification).



Rubber seals on the inlet valves and discharge outlets.

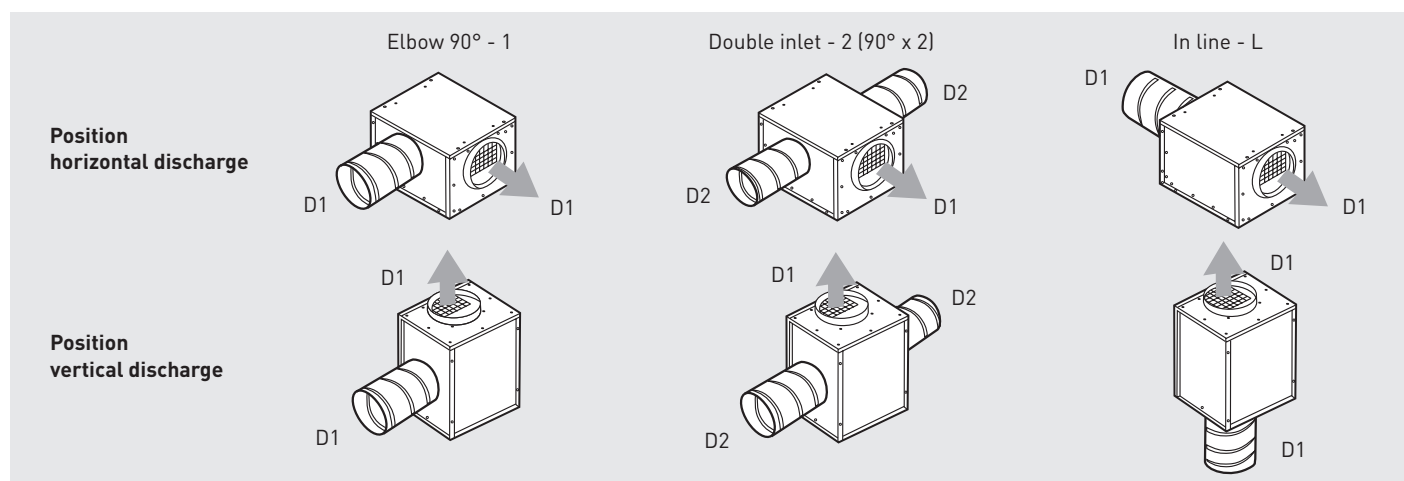
Specific applications



Multi
dwelling
blocks



MULTIPLE POSITION POSSIBILITIES

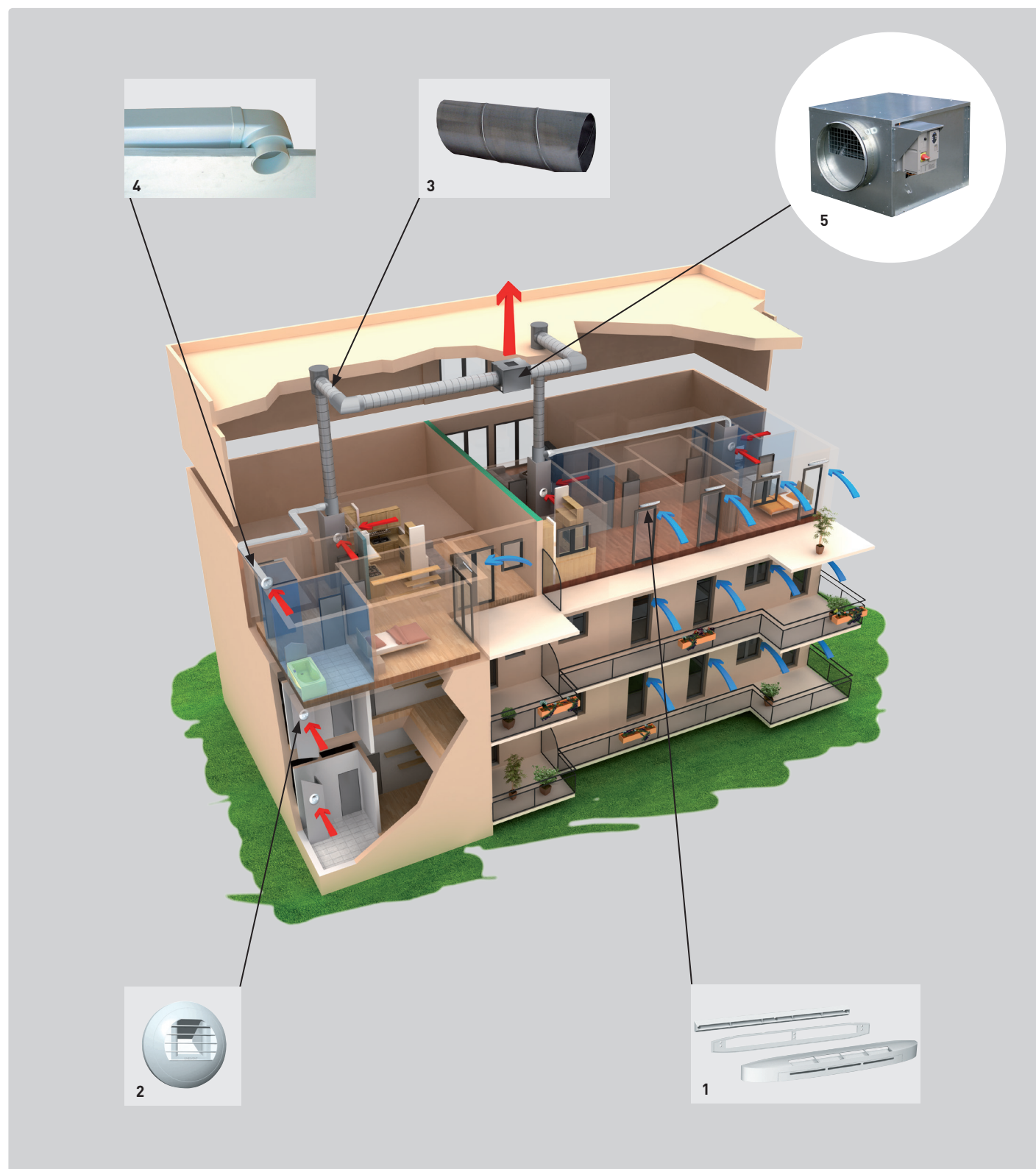


TECHNICAL CHARACTERISTICS

Model	Model	Motor fan with 230V single-phase electronic pressure regulator				Airflow (m³/h)		Weight (kg)
Standard version	Insulated version	Turbine Ø	N° of poles	Max. current (A)	Nominal power 230V (W)	min.	max.	
CACB-N ECO 005	CACB-N ECO 005-ISO	180	4	0.38	90	50	580	28
CACB-N ECO 008	CACB-N ECO 008-ISO	180	4	0.77	180	140	940	30

Model Standard version	Model Insulated version	230V single-phase input frequency converter, 230V three-phase motor fan output				Airflow (m³/h)		Weight (kg)
		Motor fan			Frequency converter	min.	max.	
		Fan type	Nº of poles	Nominal power (W)	abs. max. curr. at 230V (A)			
CACB-N ECO 010	CACB-N ECO 010-ISO	7/9	4	180	3	140	1,400	55
CACB-N ECO 022	CACB-N ECO 022-ISO	9/9	4	250	5,3	200	2,600	57
CACB-N ECO 035	CACB-N ECO 035-ISO	10/10	4	550	8,9	140	3,900	67
CACB-N ECO 045	CACB-N ECO 045-ISO	12/12	6	1100	12,1	400	5,000	75

CACB-N ECOWATT SERIES - EXAMPLE OF INSTALLATION IN A HYGRO-ADJUSTABLE CENTRALISED SYSTEM

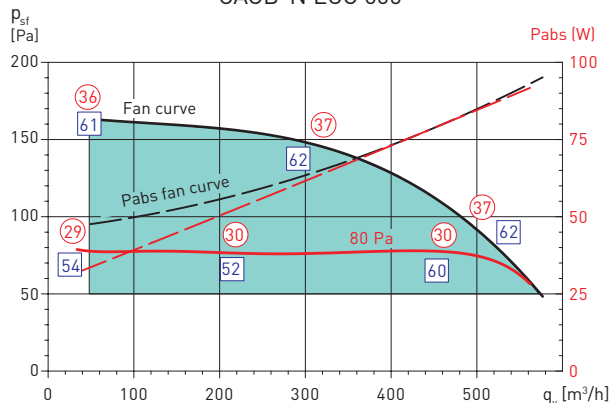


1. Humidity adjustable acoustic air vents.
2. Humidity adjustable exhaust valves BEH.
3. Ducts and circular metallic accessories.
4. Self-extinguishing rectangular ducts TUB PLA.
5. Ventilation cabinet with flat curve F400-120 CACB-N ECOWATT.

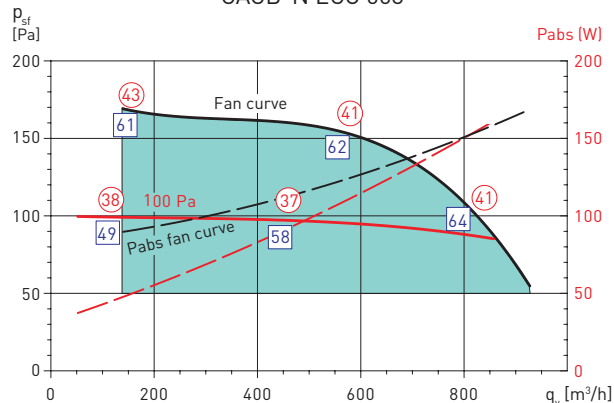
CURVE FEATURES

- q_v : Airflow in m^3/h .
 - p_{st} : Static pressure in Pa.
 - The graphs are true for an air density of $1.2 \text{ Kg}/\text{m}^3$.
- Established following the cabinet motor extraction fan group testing code (Standard NF E51705).
- Radiated sound pressure level measured in hemispherical free field, at 4m. Ducted inlet. L_p in dB(A). (Standard NF EN ISO 5136.)
 - Sound pressure level in the inlet duct. L_p in dB(A). (Standard NF EN ISO 5136.)
- The acoustic attenuation produced by the insulated versions is 3 dB(A) in both cases.
 - Hygro-adjustable zone.

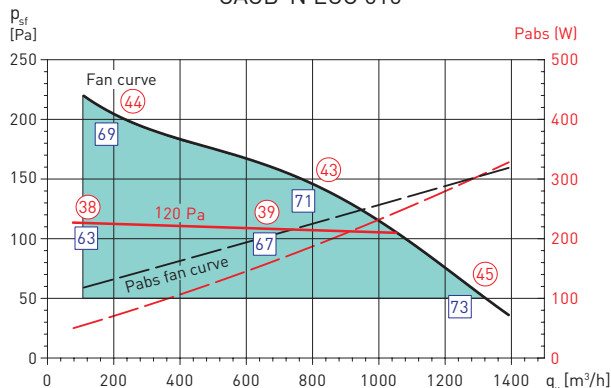
CACB-N ECO 005



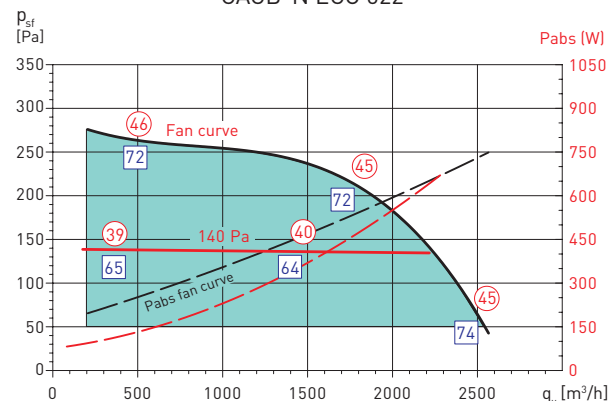
CACB-N ECO 008



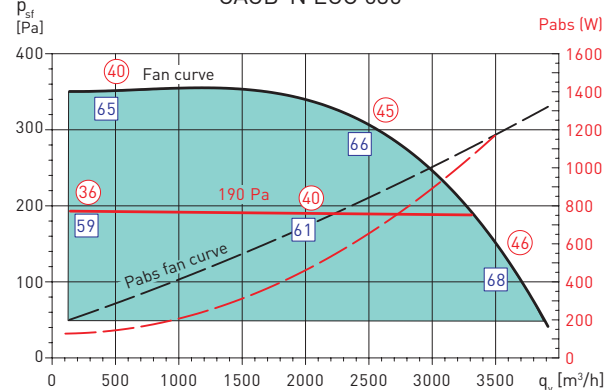
CACB-N ECO 010



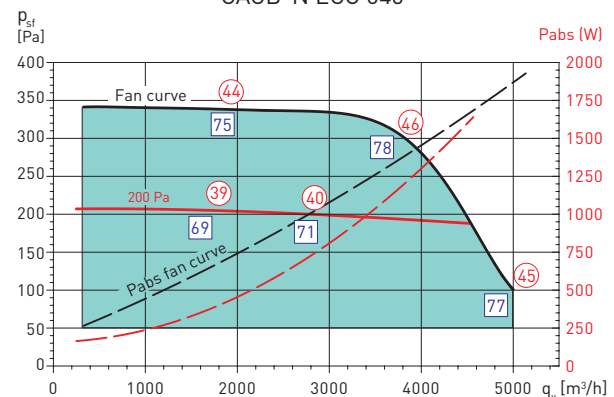
CACB-N ECO 022



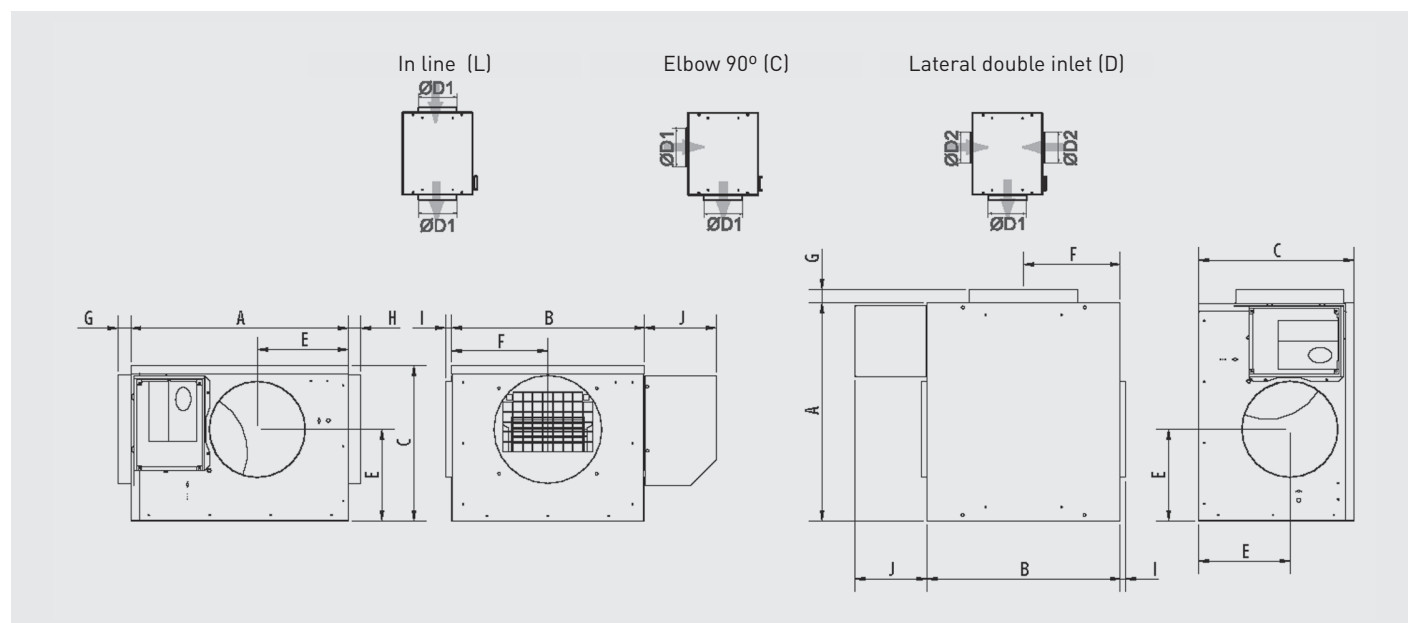
CACB-N ECO 035



CACB-N ECO 045



DIMENSIONS (mm)



Model	Model	Dimensions									Connection Ø	
Standard version	Insulated version	A	B	C	E	F	G	H	I	J	D1	D2
CACB-N ECO 005	CACB-N ECO 005-ISO	550	504	300	130	148	58	53	32	132	200	160
CACB-N ECO 008	CACB-N ECO 008-ISO	600	504	400	185	181	58	53	32	132	250	200
CACB-N ECO 010	CACB-N ECO 010-ISO	675	575	475	285	288	58	53	32	235	315	250
CACB-N ECO 022	CACB-N ECO 022-ISO	715	635	510	300	318	78	74	48	235	355	315
CACB-N ECO 035	CACB-N ECO 035-ISO	795	715	565	330	358	78	74	48	235	400	355
CACB-N ECO 045	CACB-N ECO 045-ISO	925	840	675	375	420	78	74	48	235	500	450

ACCESSORIES



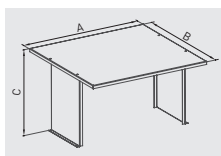
ACOPEL F400 N
Circular flexible
connector.



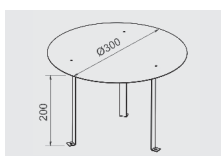
APC
Discharge protection
guards for direct
connection to the
inlet-outlet flange.



CPP 10/22/35
CPP 45
Rain protection
canopy.



Model (standard and insulated version)	Rain protection canopy	Dimensions		
		A	B	C
CACB-N ECO 010/022/035 (ISO)	CPP 10/22/35	430	400	250
CACB-N ECO 045-ISO	CPP 45	600	600	313



CPP 05/08
Rain protection.
canopy.

Model (Standard and insulated version)	Rain protection canopy
CACB-N ECO 005 /008 (ISO)	CPP 05/08