For use and distribution of heat produced by fireplaces

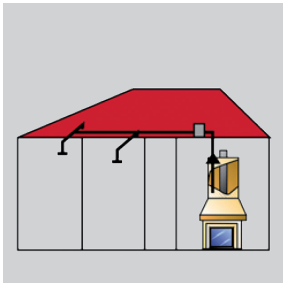
Cabinet fans especially designed for use and distribution of heat produced by fireplaces, suitable for continuous extraction of airstreams at temperatures up to 180º C.
All casings are manufactured in galvanised sheet steel with thermal insulation.
Provided with a thermostat sensor located on the cabinet 0-90º.
Only suitable for moving clean air captured from the chamber that surrounds the fireplace output duct (the air cannot contain ashes).
2 models available:
- CHEMINAIR 400: from 3 to 5 rooms.
- CHEMINAIR 600: from 5 to 8 rooms.

Motors
Available with single phase motor 230V 50Hz, adjustable.

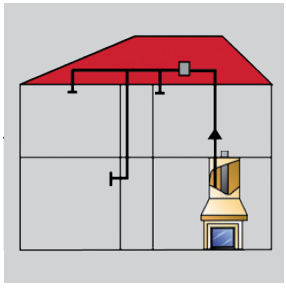
Applications

180ºC
Continuous

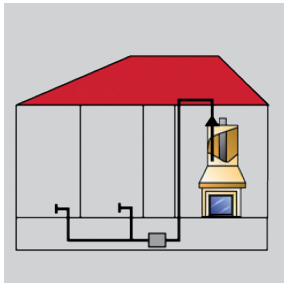
OPTIMISE THE HEATING FROM A CLOSED PLACE



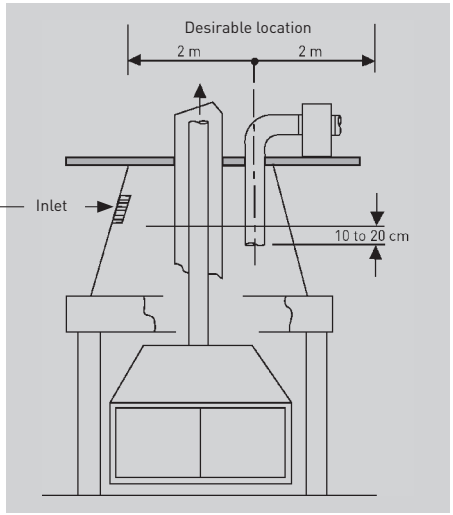
Attics of a house with one floor.



Attics of a house with floors.



Sanitary basement.



Surface of the inlet S(m2):
Q ÷ 3600 ÷ V
If we consider a collection speed 2 m/s,
S (model 400): 400 m^3/h ÷ 3600 s/h ÷ 2 m/s = 0.056 m2 = 560 cm^2
S (model 600): 600 m^3/h ÷ 3600 s/h ÷ 2 m/s = 0.084 m2 = 840 cm^2

TECHNICAL CHARACTERISTICS

Model	Power (W)	Speed (rpm)	Current (A)	Speed controller	Built-in thermal protection	Outlet Ø (mm)	Airflow (m^3/h)
CHEMINAIR 400	65	1100	0,29	•	•	125	400
CHEMINAIR 600	100	1050	0,45	•	•	160	600

ACOUSTIC CHARACTERISTICS

Sound power spectrum in dB(A), at the fan inlet and outlet, at 3 working points of the performance curve.

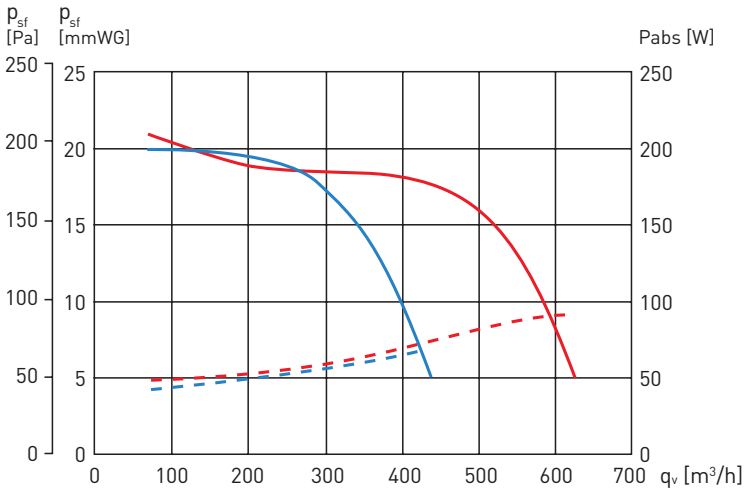
CHEMINAIR 400		63	125	250	500	1000	2000	4000	8000	LwA (1)	Lp(3m) (2)
Inlet	400 m^3/h	35	43	51	53	56	54	51	47	61	40
	250 m^3/h	35	45	50	50	52	50	47	42	57	37
	100 m^3/h	38	46	52	48	51	49	45	38	57	37
Outlet	400 m^3/h	35	41	56	58	62	56	53	48	65	45
	250 m^3/h	35	41	57	56	59	53	49	44	63	42
	100 m^3/h	38	40	57	56	57	51	47	40	62	41
Radiated	400 m^3/h	29	39	46	48	48	38	36	34	52	32
	250 m^3/h	29	39	47	46	45	35	32	30	51	31
	100 m^3/h	32	38	47	46	43	33	30	26	51	30

CHEMINAIR 600		63	125	250	500	1000	2000	4000	8000	LwA (1)	Lp(3m) (2)
Inlet	400 m^3/h	40	51	57	55	57	55	53	46	63	40
	250 m^3/h	37	49	56	52	55	53	50	42	61	37
	100 m^3/h	40	49	53	53	56	52	49	41	61	37
Outlet	400 m^3/h	39	48	64	62	62	58	54	47	68	45
	250 m^3/h	36	46	62	60	61	55	50	44	66	42
	100 m^3/h	39	48	59	58	59	53	49	42	64	41
Radiated	400 m^3/h	33	45	57	52	51	40	36	29	59	32
	250 m^3/h	30	43	55	50	50	37	32	26	57	31
	100 m^3/h	33	45	52	48	48	35	31	24	55	30

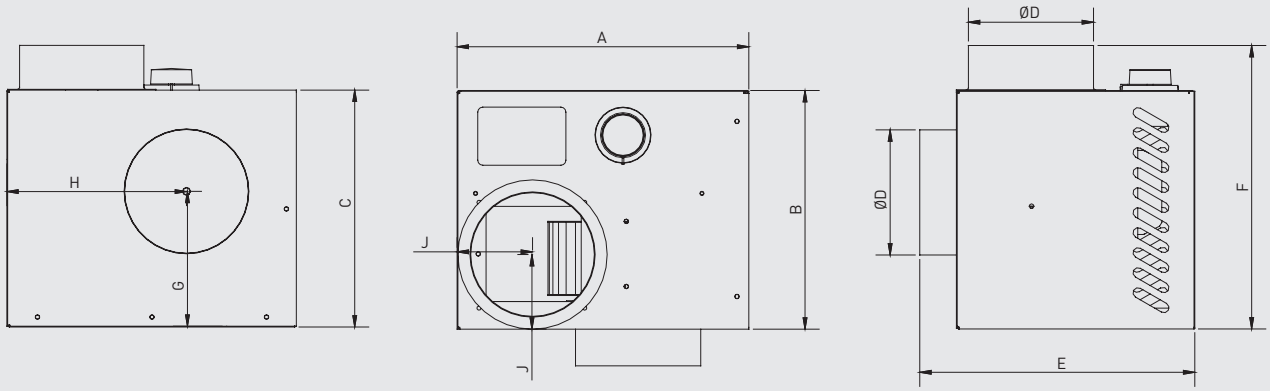
(1) LwA: Sound power
(2) Lp (3m): Sound pressure levels measured in free field condition at 3 distance meters.

PERFORMANCE CURVE

- q_v: Airflow in m^3/h.
- p_{sf}: Static pressure in mmWG and Pa.
- Dry air at 20ºC and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards

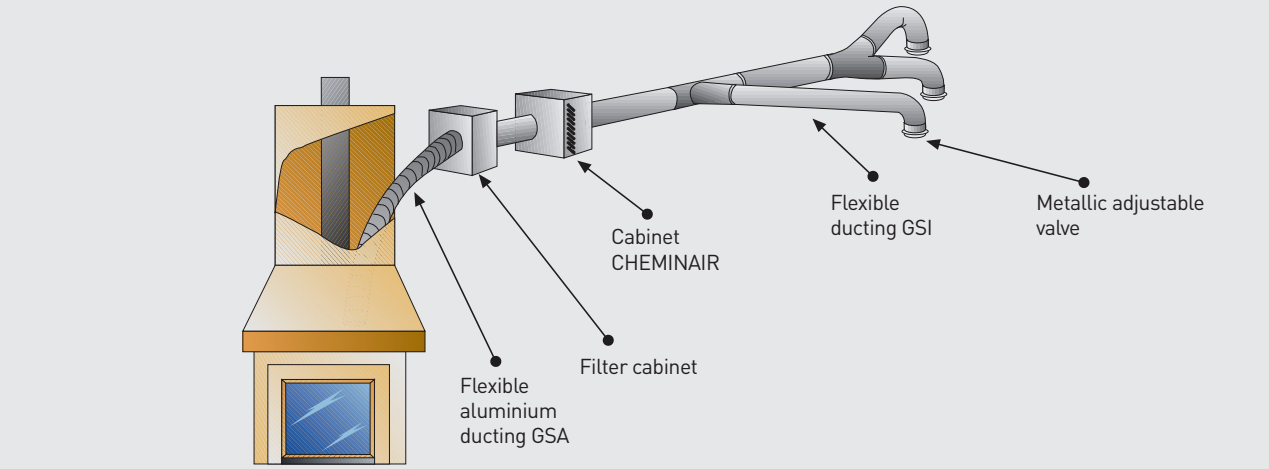


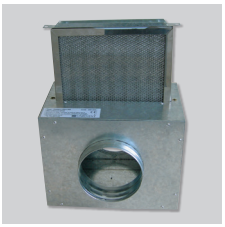
DIMENSIONS (mm)



Model	A	B	C	ØD	E	F	G	H	J	Weight (kg)
CHEMINAIR 400	292	238	238	125	275	283	136	180	75	6
CHEMINAIR 600	343	278	258	160	315	283	154	214	92	7,7

ACCESSORIES



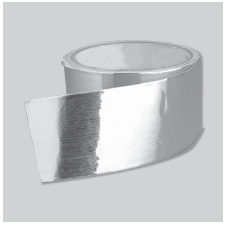


FILTER CABINET
Metallic class G2 spare filter.

GSA
Flexible aluminium ducting.

GSI
Flexible ducting.

BIR
Adjustable supply valve.



BA
Aluminium duct tape.

REB
Single phase electronic speed controller.