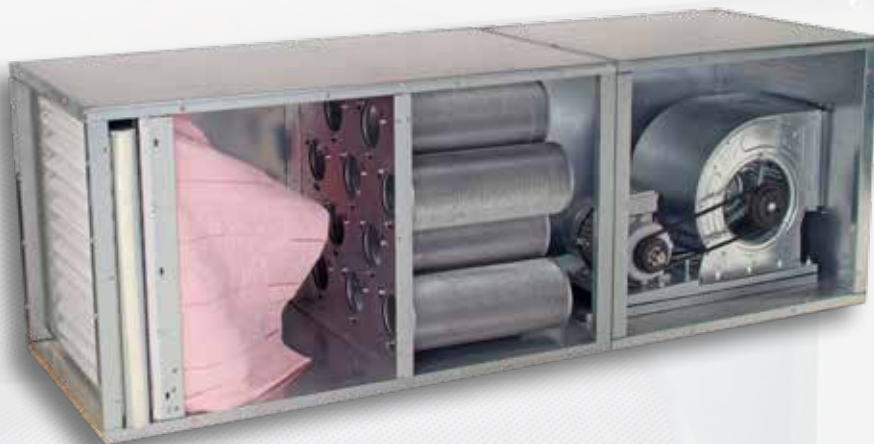




ALVICARB AT

Dynamic activated carbon drive unit



VENTILATION OF PROFESSIONAL KITCHENS, A SPECIALIST AFFAIR.

ALVICARB AT

DESIGN / MANUFACTURE

The casing is in galvanised steel panels with a drilled connection frame. An inspection door on the side gives access to all the filters and to the motor-fan unit (standard right access, left on request. Access cannot be changed on site)

The ALVICARB AT unit has **three filtering levels:**

- **A synthetic filter:** G4 (95% gravimetric). Galvanised steel frame with synthetic medium held in place by a galvanised steel mesh. Thickness 48mm. Slide fitting.
- **A high efficiency filter:** EN 779 F7 Bag filter (85% opacimetric) in a synthetic medium. Fitted on a 25mm thick frame. Maximum operating temperature 80°C.
- **A set of activated carbon cartridges:** rechargeable Ø160 / length 400mm. Mounted on a galvanised steel plate, easy to recharge after saturation. Each cartridge is easy to remove using its quarter turn fixing. Maximum flow per cartridge: 280m³/h.

The motor-fan unit is separated from the casing using vibration pads and a seal at the fan discharge.

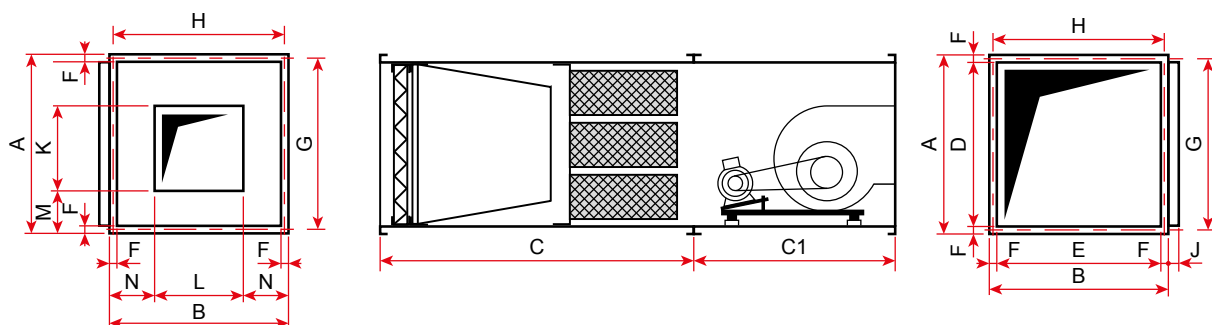
- Double action galvanised steel inlet fan, available in two ranges:
 - Low pressure: max total load loss = 600Pa.
 - Medium pressure: max total load loss = 1500Pa.
- IP55 Flange motor with PTO, class F, mounted on a pivot or a frame depending on the model, Three-phased 230/400V, 1 speed, high efficiency IE2
- Pulley and belt drive, variable drive pulley for motor powers less than or equal to 1.5kW.

ALVICARB	Max flow (m ³ /h)	Synthetic filter / Bag		Activated carbon cartridge		
		Filter HxW (mm)	Surface area (m ²)	Nb	Carbon weight (kg)	Surface area (m ²)
11AT	1100	290x595	0.17	4	13	0.8
17AT	1700	290x595	0.17	6	20	1.2
28AT	2800	595x595	0.35	10	32	2
36AT	3600	595x595 + 595x290	0.52	13	42	2.6
42AT	4200	595x595 + 595x290	0.52	15	48	3
56AT	5600	2 x 595x595	0.7	20	64	4
70AT	7000	2 x 595x595 + 2 x 290x595	1.04	25	80	5
84AT	8400	2 x 595x595 + 2 x 290x595	1.04	30	96	6

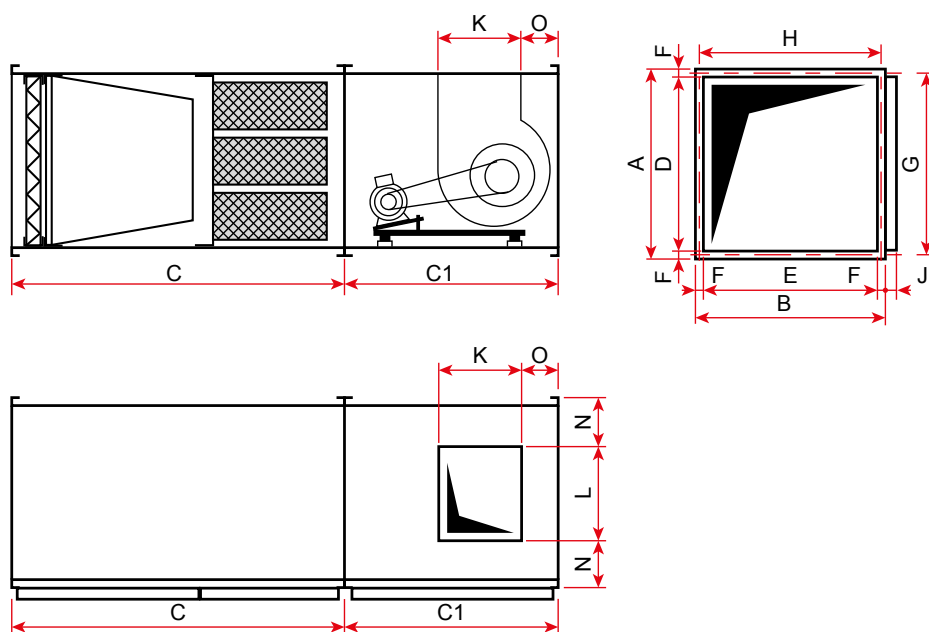
ALVICARB AT

DIMENSIONS / WEIGHT

IN LINE INTAKE AND DISCHARGE



IN LINE INTAKE AND VERTICAL 90° DISCHARGE



ALVICARB	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	O (mm)	Weight (kg)*
Low pressure fan																
11AT-7	418	639	1170	750	362	583	28	390	611	30	188	212	163	213.5	172	70
17AT-7	418	639	1170	750	362	583	28	390	611	30	188	212	163	213.5	172	78
28AT-9	668	639	1170	750	612	583	28	640	611	30	242	278	214	180.5	180	116
36AT-9	668	945	1170	860	612	889	28	640	917	30	242	278	218	333.5	180	148
42AT-10	668	945	1170	860	612	889	28	640	917	30	269	311	246	317	209	158
56AT-12	668	1250	1170	860	612	1194	28	640	1222	30	321	375	273	437.5	235	218
70AT-15	974	1250	1170	1170	918	1194	28	946	1222	30	384	451	316	399.5	260	277
84AT-15	974	1250	1170	1170	918	1194	28	946	1222	30	384	451	316	399.5	260	300
Medium pressure fan																
11AT-1600	418	639	1170	750	362	583	28	390	611	30	185	185	146	227	145	69
17AT-1600	418	639	1170	750	362	583	28	390	611	30	185	185	146	227	145	79
28AT-2000	668	639	1170	750	612	583	28	640	611	30	236	236	224	201.5	163	116
36AT-2500	668	945	1170	860	612	889	28	640	917	30	302	302	248	321.5	191	154
42AT-2500	668	945	1170	860	612	889	28	640	917	30	302	302	248	321.5	191	160
56AT-2500	668	1250	1170	860	612	1194	28	640	1222	30	302	302	248	474	191	213
70AT-3000	974	1250	1170	1170	918	1194	28	946	1222	30	384	384	312	433	226	276
84AT-3500	974	1250	1170	1170	918	1194	28	946	1222	30	433	433	312	408.5	249	306

*Weight excluding motor and double skin insulation



ALVICARB AT

MOTOR SPECIFICATIONS

1 SPEED MOTOR - IE2 - THREE-PHASED - 4 POLES (1500RPM) - 50HZ - WITH PTO									
Power (kW)	Voltage (V)	Rotation speed (rpm)	Intensity (A)	ID/IN	Output (%)	cos Φ	Type	Al.	Weight (kg)
0.37	Tri 230/400	1380	1.84/1.06	4.3	68	0.74	71	14	8
0.75	Tri 230/400	1410	2.83/1.63	6	79.8	0.83	80	19	13.5
1.10	Tri 230/400	1450	4.17/2.40	6.5	81.8	0.81	90S/L	24	19
1.50	Tri 230/400	1440	5.67/3.26	6.3	83	0.8	90S/L	24	22
2.20	Tri 230/400	1435	8.07/4.64	7	84.5	0.81	100L	28	30.5
3.00	Tri 230/400	1420	10.7/6.17	6.5	85.6	0.82	100L	28	33
4.00	Tri 230/400	1440	14.1/8.12	6.6	86.7	0.82	112M	28	42
5.50	Tri 230/400	1460	18.3/10.5	7.3	88.1	0.86	132S	38	60

