



ACOUSTIC CABINET FANS CVAB / CVAT Series



Range of in-line cabinet fans, manufactured from galvanised steel sheet with double thickness side panel (sandwich type) and internally lined with **fireproof fibre-glass acoustic insulation (M0)**. All models incorporate backward curved centrifugal impellers, dynamically balanced and are supplied with circular duct connection flanges and remote terminal box.

Available, depending upon the model, with single phase or three phase motors in 4 or 6 poles.

Motors

All the motors are **IP55, Class F₍₁₎** insulation, with **thermal protection**.

Electrical supply:

Single phase 230V-50Hz.

Three phase 230/400V-50Hz.

(See characteristics chart).

Speed controllable by voltage, up to 5600/400 model. Models /4-9000 and /6-6000 to /6-17000 are speed controllable by inverter.

(1) Air stream temperature limits -40°C to +70°C.

Models /4-9000 and /6-6000 to /6-17000 suitable for usage in environments up to +40°C).

APPLICATIONS



Warehouses



Workshops



Commercial premises



Offices



Restaurants and cafes



Parkings



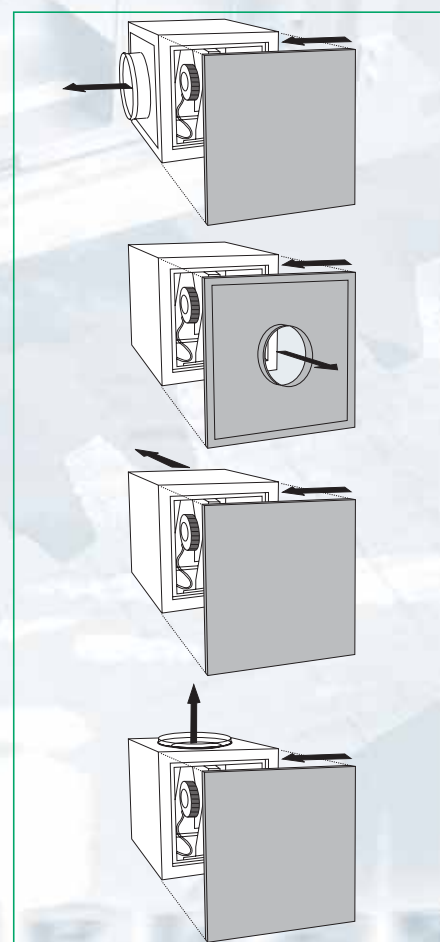
Commercial and industrial kitchens



Iron and steel industries Foundries



VERSATILE DESIGN

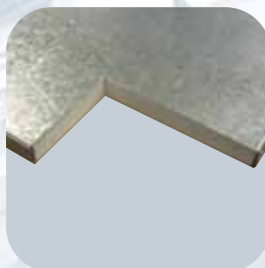


Backward curved centrifugal impellers



To prevent accumulation of dirtiness. **Dynamically balanced**

Low noise level



Double thickness side panels internally lined with 25 mm thickness of **fireproof acoustic insulation (M0)**, to reduce significantly the radiated noise

Cabinet air tightness



All models incorporate inlet and discharge circular duct connection flanges with integrated rubber air seal

Robustness



Quality finished **aluminium corners** providing a **great robustness**

Anti-vibration mounts



To reduce vibration and noise transmissions to the installation

CVAB/CVAT

Acoustic cabinet fans



■ Technical characteristics

Before installation check that the product electrical characteristics listed on the data plate label (Voltage, power, frequency etc) match those of the intended electrical supply.

Model	Speed	Max. abs. power	Max. current abs. (A)		Max. air volume	Sound pressure level (dB(A)) at 1,5 m			Weight
	(r.p.m.)	(W)	a 230 V	400 V	(m³/h)	Discharge	Inlet	Radiated	(kg)
4 POLE SINGLE PHASE									
CVAB/4-700/200	1375	62	0,3	–	690	44	46	32	26
CVAB/4-1200/250	1340	115	0,57	–	1150	47	51	35	30
CVAB/4-1500/250	1380	160	0,72	–	1520	52	54	42	38
CVAB/4-2600/355	1350	275	1,2	–	2600	55	60	42	46
CVAB/4-3800/355	1380	570	2,6	–	3750	60	63	48	62
CVAB/4-5600/400	1380	1100	4,8	–	5600	66	70	52	94
4 POLE THREE PHASE									
CVAT/4-700/200	1375	62	–	0,17	690	44	46	32	26
CVAT/4-1200/250	1340	115	–	0,35	1150	47	51	35	30
CVAT/4-1500/250	1380	160	–	0,5	1520	52	54	42	38
CVAT/4-2600/355	1350	275	–	0,8	2600	55	60	42	46
CVAT/4-3800/355	1380	570	–	1,5	3750	60	63	48	62
CVAT/4-5600/400	1380	1100	–	1,8	5600	66	70	52	94
CVAT/4-9000/500	1475	2050	–	4,8	8800	75	76	60	105
6 POLE THREE PHASE									
CVAT/6-6000/500	960	900	–	3,3	5700	65	67	53	105
CVAT/6-10000/630	975	1500	–	3,9	10000	69	70	53	120
CVAT/6-14000/630	965	2500	–	5,4	14000	73	74	58	160
CVAT/6-17000/710	965	3900	–	6,9	17100	76	78	60	220

■ Acoustic characteristics

Sound power level spectrum in dB(A) at the corresponding frequency band (Hz):

Model		63	125	250	500	1000	2000	4000	8000
CVAB-CVAT/4 700/200	Discharge	39	48	52	53	52	49	45	42
	Inlet	36	45	51	56	55	51	49	43
	Radiated	31	42	43	37	36	30	29	27
CVAB-CVAT/4 1200/250	Discharge	42	53	53	55	56	53	52	44
	Inlet	37	49	54	60	58	56	60	48
	Radiated	33	46	43	38	38	33	35	28
CVAB-CVAT/4 1500/250	Discharge	53	60	58	60	59	56	50	44
	Inlet	45	54	62	65	59	56	53	42
	Radiated	45	54	49	45	43	36	33	29
CVAB-CVAT/4 2600/355	Discharge	48	59	65	63	63	60	58	53
	Inlet	41	59	69	71	63	63	66	63
	Radiated	38	51	53	45	44	38	39	35
CVAB-CVAT/4 3800/355	Discharge	57	64	69	66	69	64	60	55
	Inlet	54	64	73	72	68	64	59	63
	Radiated	49	57	59	50	52	44	43	39
CVAB-CVAT/4 5600/400	Discharge	64	65	71	73	77	70	66	61
	Inlet	59	64	73	75	82	76	75	71
	Radiated	56	59	62	57	60	50	50	45
CVAT/4 9000/500	Discharge	67	69	72	76	89	81	69	62
	Inlet	59	74	81	84	88	80	70	63
	Radiated	59	64	63	61	73	62	53	47
CVAT/6 6000/500	Discharge	56	66	71	75	74	71	64	54
	Inlet	50	65	72	75	79	71	61	54
	Radiated	49	61	63	60	58	52	48	39
CVAT/6 10000/630	Discharge	65	66	68	78	82	70	63	61
	Inlet	62	68	74	79	81	71	64	52
	Radiated	56	59	58	62	64	49	46	44
CVAT/6 14000/630	Discharge	69	70	73	81	85	73	67	60
	Inlet	62	69	75	79	87	72	66	58
	Radiated	61	64	63	66	68	53	50	44
CVAT/6 17000/710	Discharge	69	72	75	83	89	76	70	64
	Inlet	65	73	76	81	92	76	70	64
	Radiated	60	65	65	67	71	55	52	47

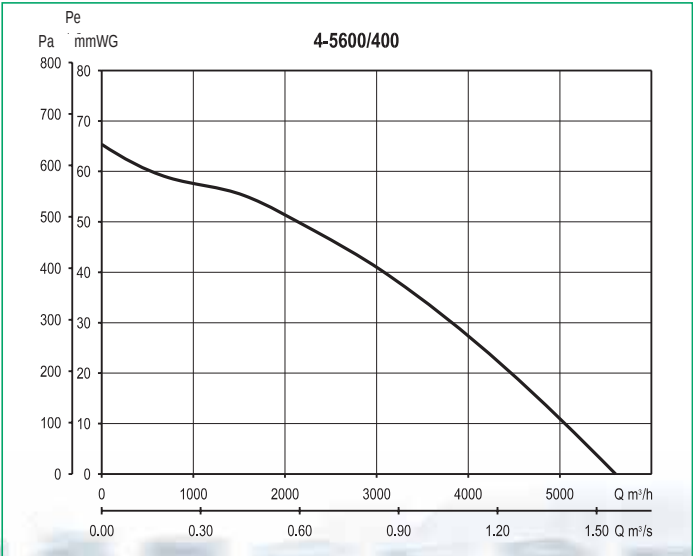
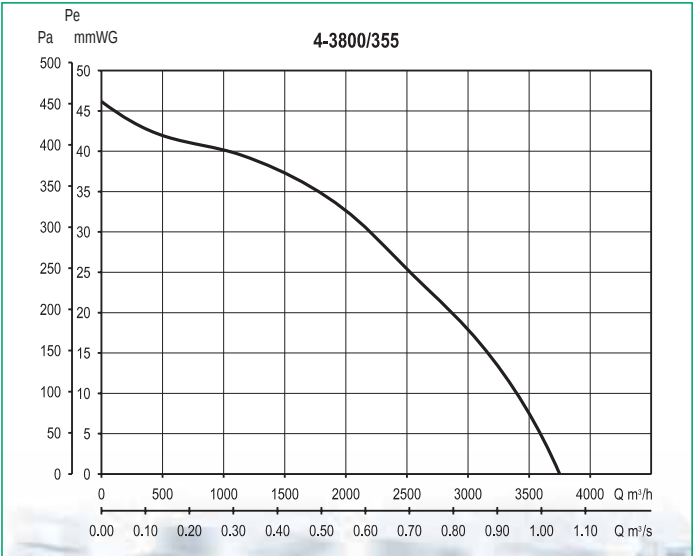
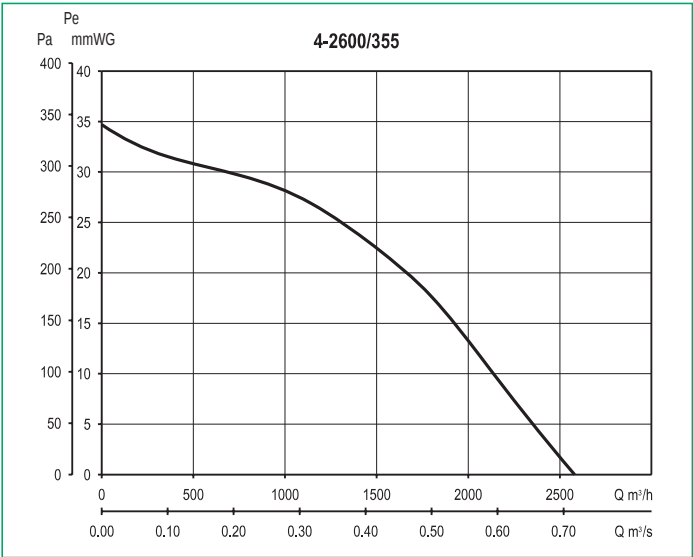
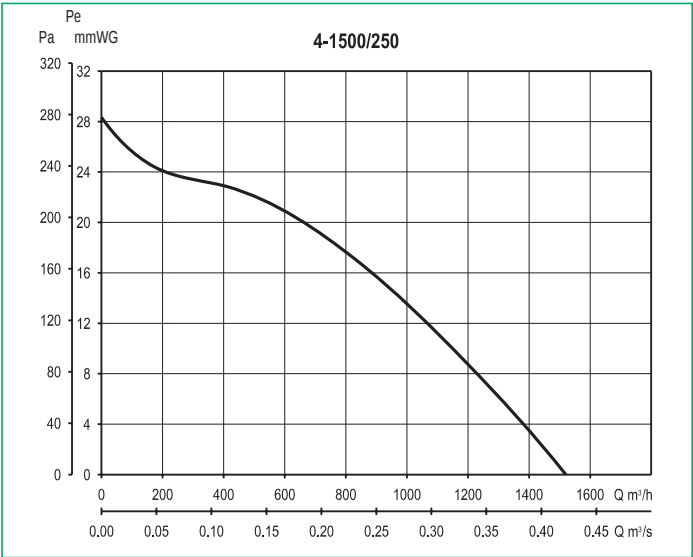
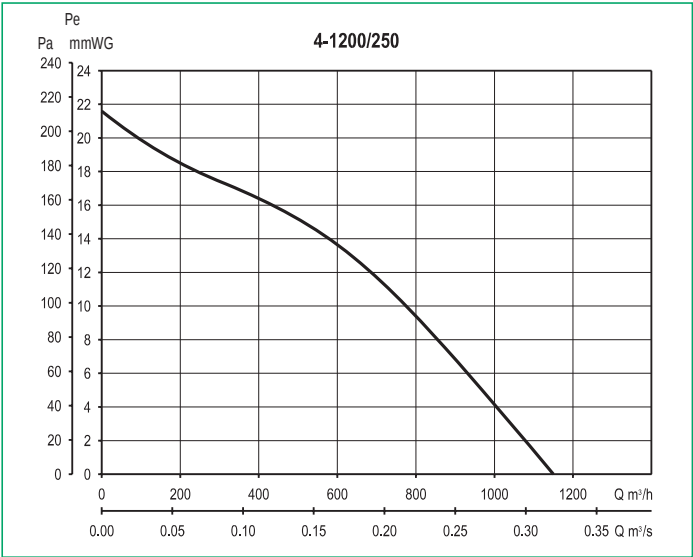
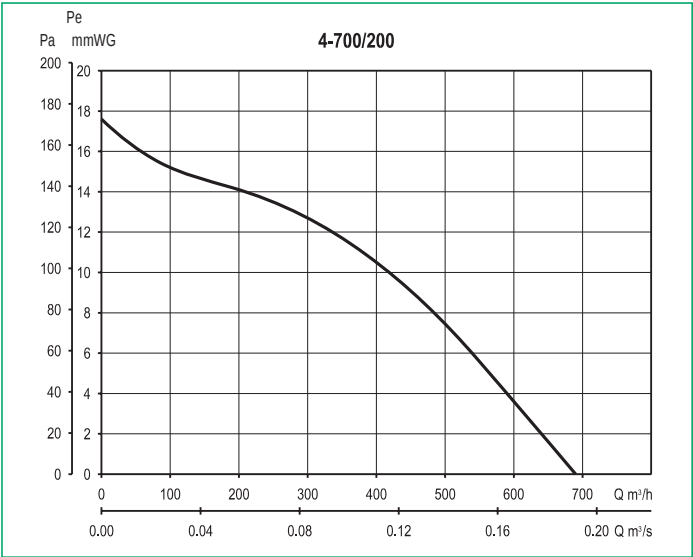
CVAB/CVAT

Acoustic cabinet fans



■ Performance curves

- Q = Air volume in, m³/hr and m³/s.
- Pe = Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848, Part 1; AMCA 210-85 and ASHRAE 51-1985.



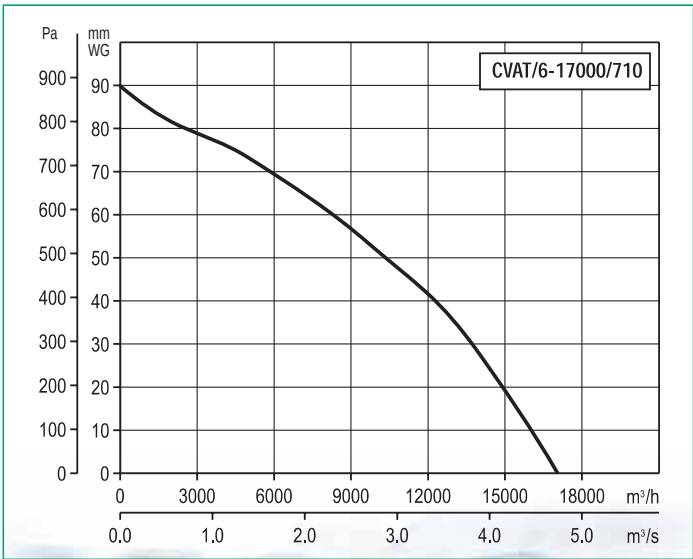
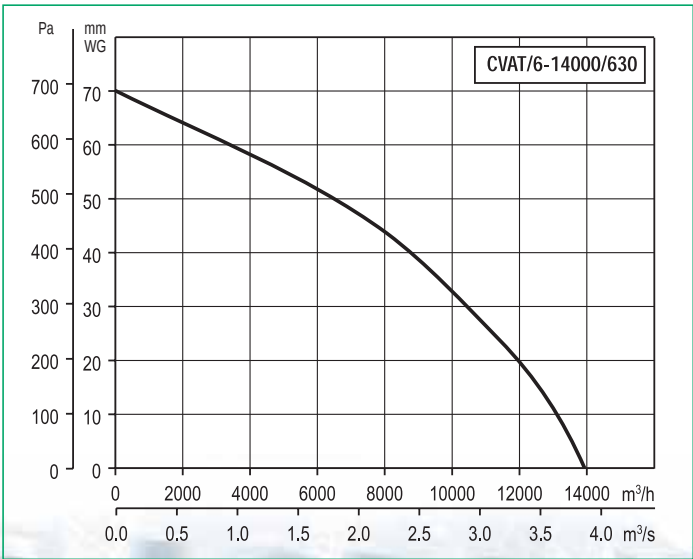
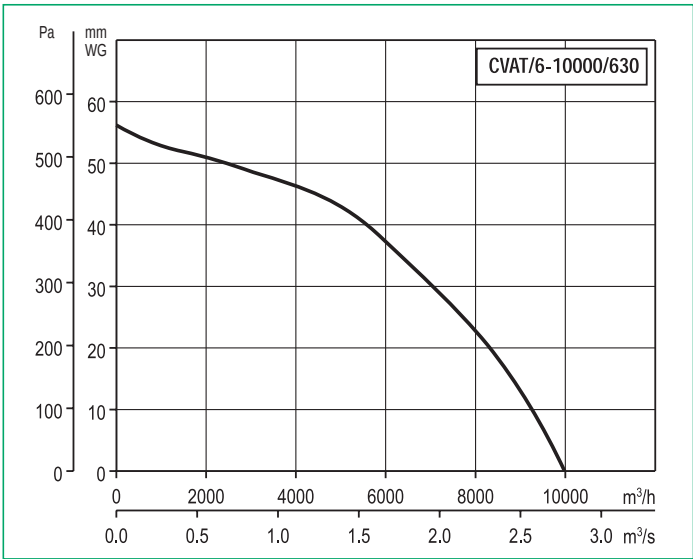
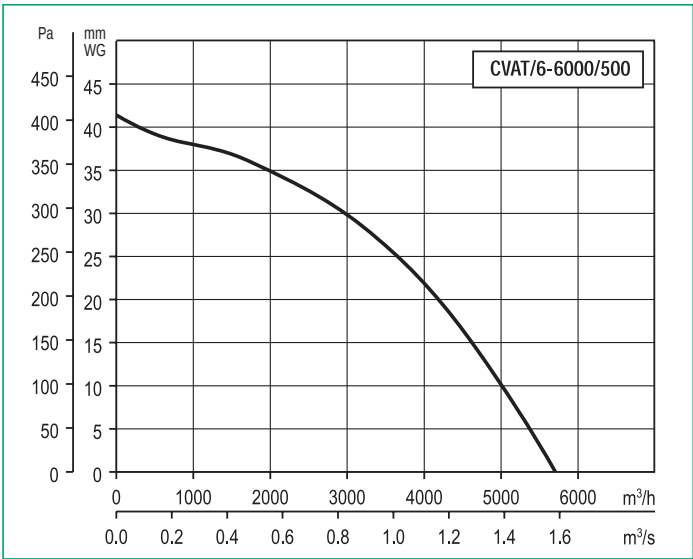
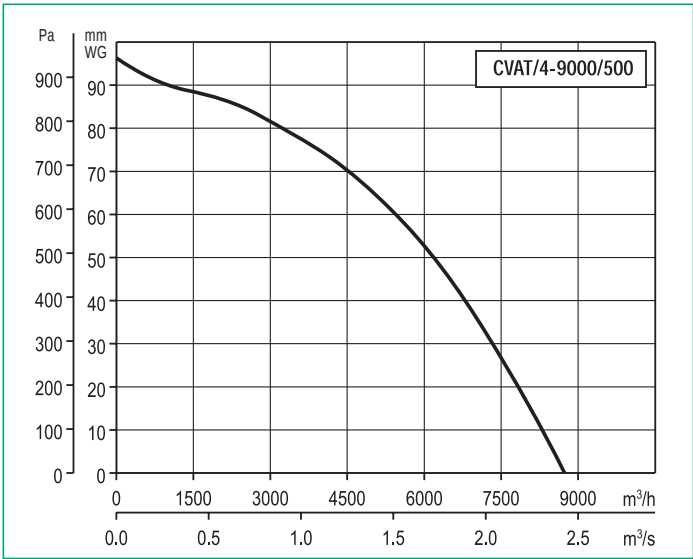
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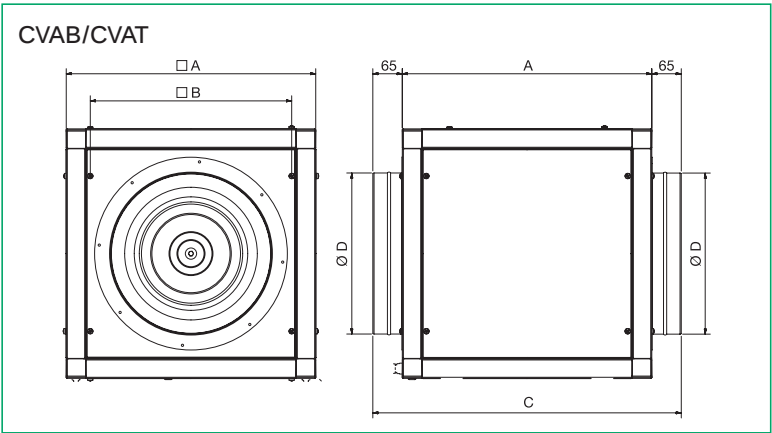


CVAB/CVAT

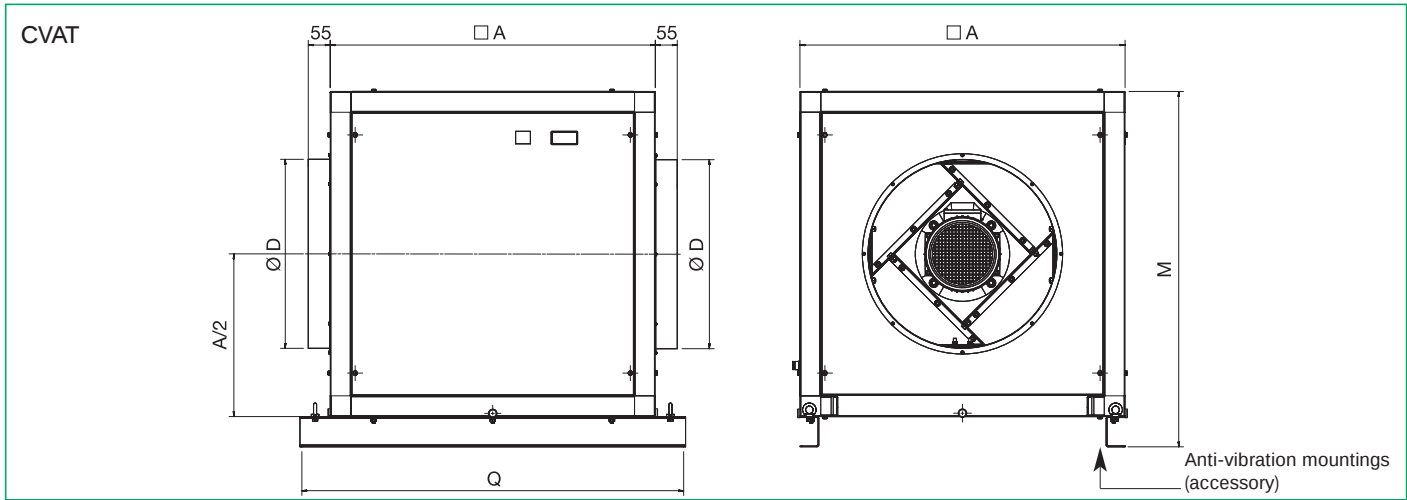
Acoustic cabinet fans



■ Dimensions (mm)



Model	A	B	C	Ø D
/4-700/200	400	192	530	200
/4-1200/250	450	242	580	250
/4-1500/250	500	292	630	250
/4-2600/355	550	342	680	355
/4-3800/355	650	442	780	355
/4-5600/400	800	591	930	400



Model	A	D	Q	M
CVAT/4-9000/500	860	500	1020	940
CVAT/6-6000/500	860	500	1020	940
CVAT/6-10000/630	920	630	1080	1000
CVAT/6-14000/630	980	630	1140	1060
CVAT/6-17000/710	1037	710	1197	1117

CVAB/CVAT

Acoustic cabinet fans



■ Electrical accessories



REB
Single phase
electronic
speed
controllers



RMB/RMT
Single and three
phase auto
transformer
speed controllers



**On/ Off Electrical
isolation switch**
- Switch On/ Off 5P
- Switch On/ Off 8P



TG-K330
Duct temperature
sensor



PULSER
Single phase/three
phase electrical heater
battery controller

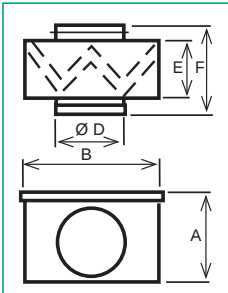


**TTC-2000
TTC-2000 + TTS-1**
Three phase
electrical heater
battery controller.
The TTC-2000
needs an external
temperature sensor
to control the
battery (TG-K300 or
TG-R530)

■ Mounting accessories



MFL
Filtration boxes



Model	A	B	D	E	F
MFL-200	243	244	200	154	202
MFL-250	293	294	250	154	206
MFL-315	342	343	315	154	206
MFL-355	447	448	355	154	254
MFL-400	447	448	400	154	254



MBE
Electrical heater
batteries

Model	Battery power (W)	Supply	Minimum flow (m³/s)	Controller type
MBE-200/50T	5000	2/400	170	PULSER
MBE-250/60T	6000	2/400	270	PULSER
MBE-315/90T	9000	3/400	420	TTC-2000
MBE-355/90T	9000	3/400	420	TTC-2000
MBE-400/120T	12000	3/400	420	TTC-2000



SIL
Sound
attenuators



KAA
Circular flexible
connectors



CRC
Circular reducers



APC
Discharge
protection guards
for direct connection
to the inlet-outlet
flange (please see
pages. Mounting
Accessories)

CVAB/CVAT

Acoustic cabinet fans