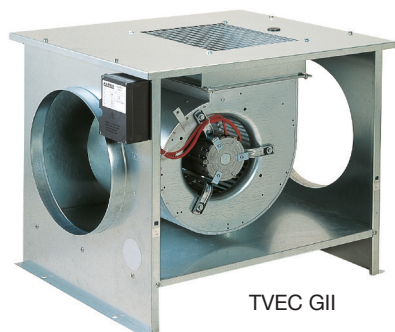


# Cabinet Fans

## Exhaust fans



TVEC GII

### Compliance

- Standard XP P50-411 (DTU 68-2).
- 400°C (½h).

### Advantages

- Several arrangements available.
- Reliable and robust.

## APPLICATION

- Air supply or exhaust with pre-treatment of the air.
- Fan unit in casing C4 - 400°C ½ h fire rating.

## DESCRIPTION

- Galvanised casing with three possible arrangements.
- Adjustable feet that can adapt to all types of floor.
- Double inlet / outlet forward curved fan mounted on slide rails and separated from the casing by anti-vibration mountings.
- Pulley-belt drive, with adjustable motorised pulley.

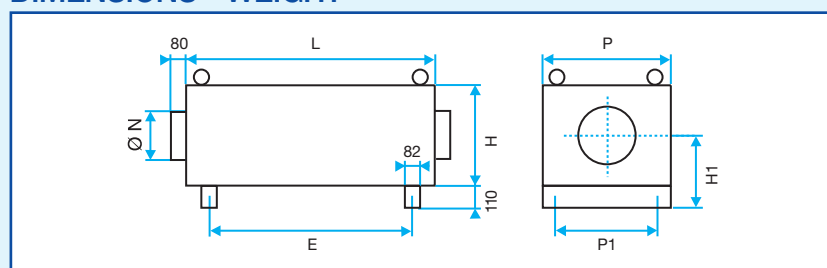
## INSTALLATION

- Horizontal.
- Technical areas / terraces.
- Indoor / outdoor.

## RANGE with a choice of options **R7**

Description	Code
<b>TVEC 1</b>	
TVEC 1 arrgt 1 without MV	11056401
TVEC 1 arrgt 2 without MV	11056402
TVEC 1 arrgt 3 without MV	11056403
MV A1 50/60 Hz	OPT56411
MV B1 50/60 Hz	OPT56412
MV C1 50/60 Hz	OPT56413
MV D1 50/60 Hz	OPT56414
MV A2 (Dahlander)	OPT56415
MV B2 (Dahlander)	OPT56416
MV C2 (Dahlander)	OPT56417
MV D2 (Dahlander)	OPT56418
<b>TVEC 2</b>	
TVEC 2 arrgt 1 without MV	11056404
TVEC 2 arrgt 2 without MV	11056405
TVEC 2 arrgt 3 without MV	11056406
MV A1 50/60 Hz	OPT56421
MV B1 50/60 Hz	OPT56422
MV C1 50/60 Hz	OPT56423
MV D1 50/60 Hz	OPT56424
MV A2 (Dahlander)	OPT56425
MV B2 (Dahlander)	OPT56426
MV C2 (Dahlander)	OPT56427
MV D2 (Dahlander)	OPT56428
<b>TVEC 3</b>	
TVEC 3 arrgt 1 without MV	11056407
TVEC 3 arrgt 2 without MV	11056408
TVEC 3 arrgt 3 without MV	11056409
MV A1 50/60 Hz	OPT56431
MV B1 50/60 Hz	OPT56432
MV C1 50/60 Hz	OPT56433
MV A2 (Dahlander)	OPT56435
MV B2 (Dahlander)	OPT56436
MV C2 (Dahlander)	OPT56437

## DIMENSIONS - WEIGHT



Type	L (mm)	D (mm)	P1 (mm)	H (mm)	H1 (mm)	E (mm)	Ø N (mm)	Weight (kg)
TVEC 1	983	813	650	710	465	707	500	110/130
TVEC 2	1099	1099	940	770	495	828	630	150/180
TVEC 3	1398	1398	1239	1144	682	1122	800	235/285

## ELECTRICAL DETAILS

- Asynchronous motor with IP 55 - class F - 3-phase 230/400V - 50/60 Hz (other than TVEC 3C, 400/660 V).
- Thermal protection on opening built into the motor in parallel with the automatic reset winding (TPO with exposed wires).

BE CAREFUL: the connection of the TPO is incompatible with the fire resistance classification C4-400° C ½ h.

Type	Motor.	Ø impeller (mm)	N° of poles	Rated power. (kW)	Max. power consumption (A)	Max. power consumption (W)
TVEC 1	A1	270	4	0.55	1.60	900
TVEC 1	B1	270	4	1.10	2.25	1250
TVEC 1	C1	270	4	1.50	3.55	2000
TVEC 1	D1	270	4	1.80	4.55	2500
TVEC 1	A2	270	4/8	0.55/0.09	1.60	900
TVEC 1	B2	270	4/8	1.10/0.18	2.80	1500
TVEC 1	C2	270	4/8	1.50/0.25	4.00	2200
TVEC 1	D2	270	4/8	2.20/0.37	5.50	3000
TVEC 2	A1	320	4	0.75	2.20	1200
TVEC 2	B1	320	4	1.10	3.30	1800
TVEC 2	C1	320	4	1.80	5.30	2900
TVEC 2	D1	320	4	3.00	8.20	4450
TVEC 2	A2	320	4/8	0.75/0.12	2.30	1250
TVEC 2	B2	320	4/8	1.10/0.18	3.30	1800
TVEC 2	C2	320	4/8	2.20/0.37	6.50	3500
TVEC 2	D2	320	4/8	3.00/0.55	8.20	4500
TVEC 3	A1	450	4	2.20	7.90	4300
TVEC 3	B1	450	4	4.00	12.00	6500
TVEC 3	C1	450	4	7.50	16.00	8700
TVEC 3	A2	450	4/8	2.20/0.37	7.90	4300
TVEC 3	B2	450	4/8	4.00/0.75	12.00	6500
TVEC 3	C2	450	4/8	7.50/1.50	16.00	8700

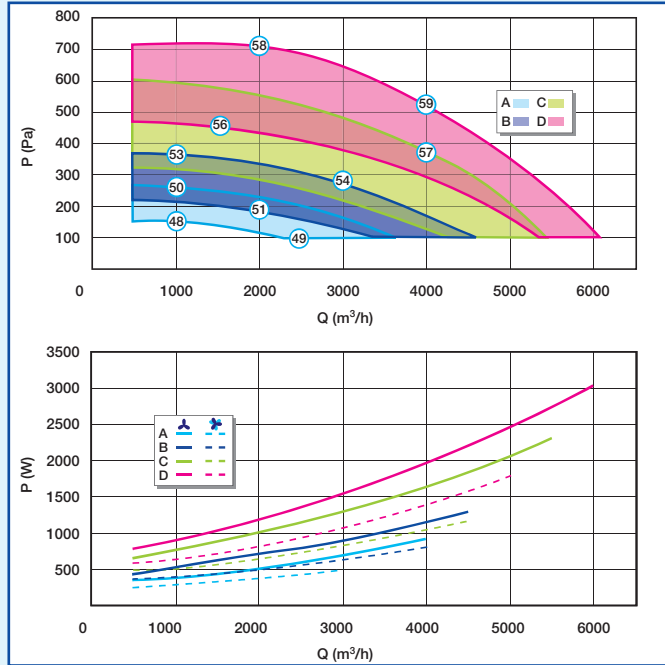
# Cabinet Fans

## TVEC GII

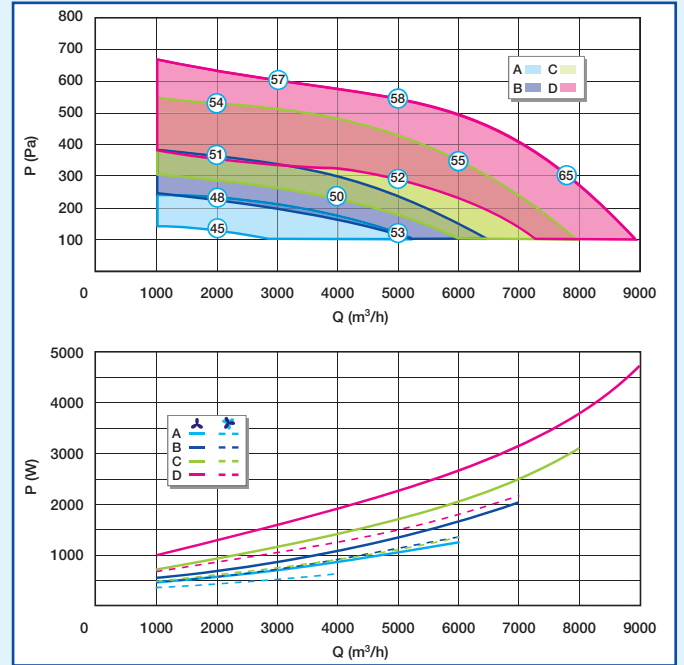
### AIRFLOW AND ACOUSTIC DETAILS

- Airflow curves drawn up in accordance with French Standard EN ISO 5801.
- ○ = Acoustic pressure level measured at 4 m from the casing, discharge connected in dB (A).
- P (Pa) = Static pressure - P (W) = Maximum power consumption

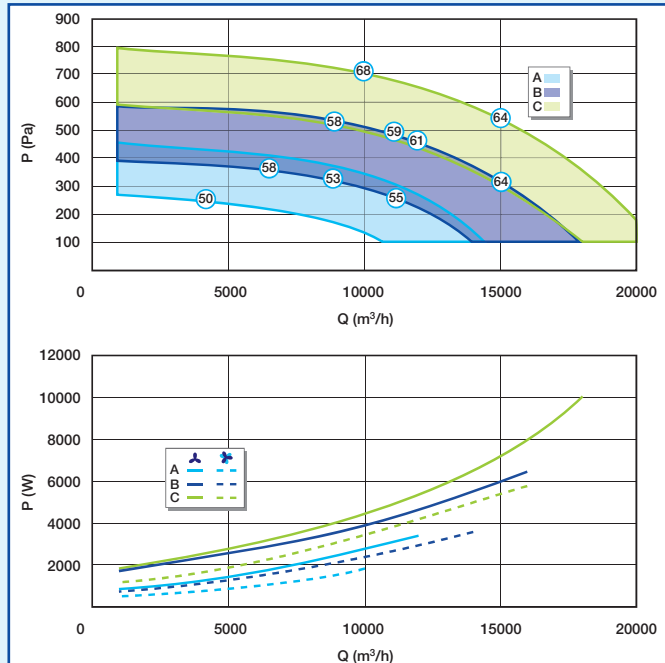
#### TVEC 1



#### TVEC 2



#### TVEC 3



# Cabinet Fans

## Casing filter module for TVEC GII

### APPLICATION

- TVEC GII accessory for filtering the air supply.

### DESCRIPTION

- Double skin galvanised steel casing without connections.
- Adjustable feet that can adapt to all types of terrain.
- Pocket filter class F5, 40 to 60% opacimetric efficiency, in accordance with standard EN 779, and M3 fire rating classification.

### INSTALLATION

- Fits directly on to the fan casing, suction side, or on the heater casing, by a system of rails + screws (supplied).

### RANGE with a choice of options **R7**

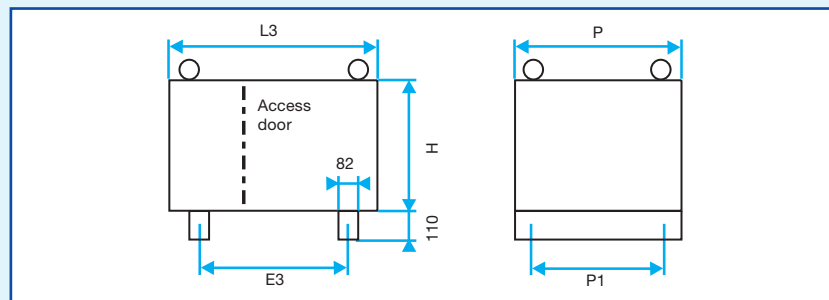
Description	Code	
Casing filter	TVEC 1	11056471
	TVEC 2	11056472
	TVEC 3	11056473

### AVAILABLE OPTIONS **R7**

Description	Code
Filter clogging detection	OPT56378

- Filter clogging detection mounted on the filter casing.

### DIMENSIONS - WEIGHT



Type	L3 (mm)	D (mm)	H (mm)	E3 (mm)	P1 (mm)	Weight (kg)
TVEC 1	980	813	710	707	650	70
TVEC 2	1096	1044	770	823	940	80
TVEC 3	1096	1398	1144	823	1239	110

### CASSETTE FILTER

- F5 pocket filter, fitted on a metal frame.
- Dimensions of the frame: 594 x 287 mm.

Type	TVEC 1	TVEC 2	TVEC 3
No. of filter cassettes per casing	2	3	6

## Filter extraction drawer for TVEC GII

### APPLICATION

- TVEC GII accessory for filtering the air supply.

### DESCRIPTION

- Double skin galvanised steel casing without connections.
- Pocket filter class G4, 40 to 90% gravimetric efficiency, in accordance with standard EN 779, and M3 fire rating classification.

### INSTALLATION

- Fits directly on to the fan casing, on its suction side.

### RANGE with a choice of options **R7**

Description	Code	
Filter extraction drawer	TVEC 1	11057091
Filter extraction drawer	TVEC 2	11057092
Filter extraction drawer	TVEC 3	11057093

- Filter clogging detection mounted on the filter casing.

### ACCESSORIES **R7**

Description	Code	
G4 spare filter for TVEC 1	11057094	
G4 spare filter for TVEC 2	11057095	
G4 spare filter for TVEC 3	11057096	

### DIMENSIONS - WEIGHT

Type	L (mm)	D (mm)	H (mm)	Weight (kg)
TVEC 1	740	185	640	20
TVEC 2	1026	185	700	20
TVEC 3	1325	185	1074	20

### CASSETTE FILTER

- G4 herringbone filter frame, fitted on a metal frame.
- Dimensions of the frame (mm): TVEC GI -> 592 x 510, TVEC GII -> 878 x 585, TVEC GIII -> 2 x (588 x 940).

Type	TVEC 1	TVEC 2	TVEC 3
No. of filter cassettes per casing	1	1	2

# Cabinet Fans

## Low energy consumption fans



TVEC GII micro-watt



### Advantages

- Low energy consumption unit.
- 1-phase power supply.
- Numerous modules (see TVEC GII fan unit).
- Multi arrangements.

### APPLICATION

- Air supply or exhaust with pre-treatment of the air.

### DESCRIPTION

- Galvanised casing with three possible arrangements, supplied with an electronics box to be screwed on on-site, pre-wired and pre-programmed at the factory, adjustment potentiometer included.
- Adjustable feet that can adapt to all types of floor.
- Double inlet / outlet forward curved fan mounted on slide rails and separated from the casing by anti-vibration mountings.
- Standard factory mounted proximity disconnecting switch.
- Offset control available.

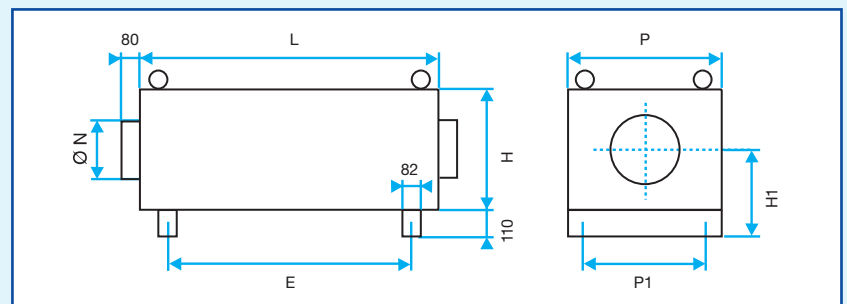
### INSTALLATION

- Horizontal.
- Technical areas / terraces.
- Indoor / outdoor.

### RANGE with a choice of options **R7**

Description	Code
<b>TVEC 1</b>	
TVEC 1 arrgt 1 without MV	11056401
TVEC 1 arrgt 2 without MV	11056402
TVEC 1 arrgt 3 without MV	11056403
A1 micro-watt MV	OPT57300
B1 micro-watt MV	OPT57301
C1 micro-watt MV	OPT57302
D1 micro-watt MV	OPT57303
<b>TVEC 2</b>	
TVEC 2 arrgt 1 without MV	11056404
TVEC 2 arrgt 2 without MV	11056405
TVEC 2 arrgt 3 without MV	11056406
A1 micro-watt MV	OPT57304
B1 micro-watt MV	OPT57305
C1 micro-watt MV	OPT57306
D1 micro-watt MV	OPT57307
<b>TVEC 3</b>	
TVEC 3 arrgt 1 without MV	11056407
TVEC 3 arrgt 2 without MV	11056408
TVEC 3 arrgt 3 without MV	11056409
A1 micro-watt MV	OPT57308
B1 micro-watt MV	OPT57309
<b>Available options</b>	
Double skin thermal insulation, TVEC 1	OPT56361
Double skin thermal insulation, TVEC 2	OPT56364
Double skin thermal insulation, TVEC 3	OPT56368
Screw-fit casing	OPTVISSE
<b>Accessories</b>	
Offset control	11057084
IP55 offset control	11057085

### DIMENSIONS - WEIGHT



Type	L (mm)	D (mm)	P1 (mm)	H (mm)	H1 (mm)	E (mm)	Ø N (mm)	Weight (kg)
TVEC 1	983	813	650	710	465	707	500	110/130
TVEC 2	1099	1099	940	770	495	828	630	150/180
TVEC 3	1398	1398	1239	1144	682	1122	800	235/285
Elec. Control box	260	350		500				15

### ELECTRICAL DETAILS

- Asynchronous motor - IP 55 - class F - 3-phase 230/400 V - 50 Hz.
- 230 V - 50/60 Hz 1-phase power supply (except TVEC 2D and 3A, 230/400 V 3-phase power supply).
- Thermal protection on opening and with resetting automatically integrated into the motor (TPO with exposed wires) directly connectable to the micro-watt box (Cf. Assembly instructions).

Type	Motor	Ø Impeller (mm)	No. of poles	Rated power (kW)	Max. power consumption (A)	Max. power consumption (W)
TVEC 1	A1 micro-watt	270	4	0.55	6	900
TVEC 1	B1 micro-watt	270	4	1.10	8	1250
TVEC 1	C1 micro-watt	270	4	1.50	12	2000
TVEC 1	D1 micro-watt	270	4	1.80	16	2500
TVEC 2	A1 micro-watt	320	4	0.75	8	1200
TVEC 2	B1 micro-watt	320	4	1.10	11	1800
TVEC 2	C1 micro-watt	320	4	1.80	17	2900
TVEC 2	D1 micro-watt	320	4	3.00	9	4450
TVEC 3	A1 micro-watt	450	4	2.20	8	4300
TVEC 3	B1 micro-watt	450	4	4.00	12	6500

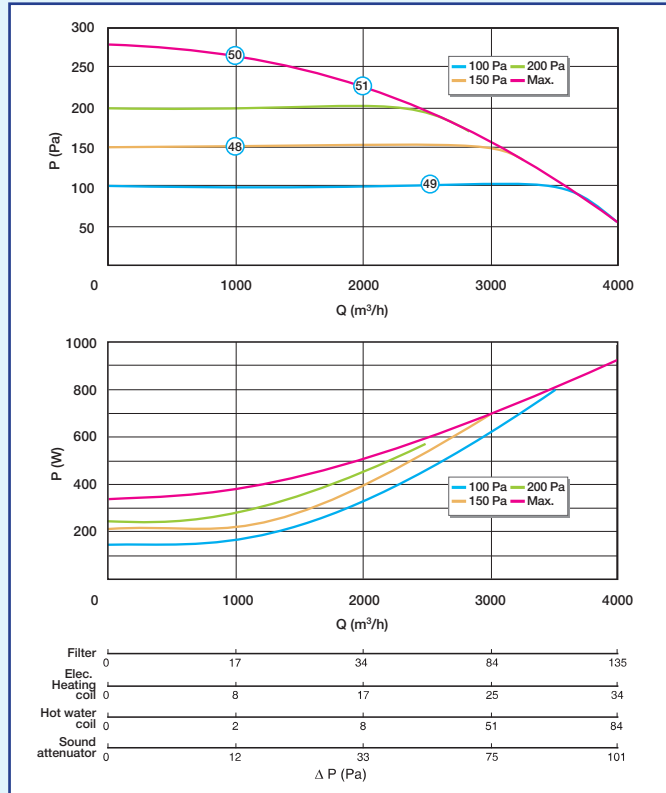
# Cabinet Fans

## TVEC GII micro-watt

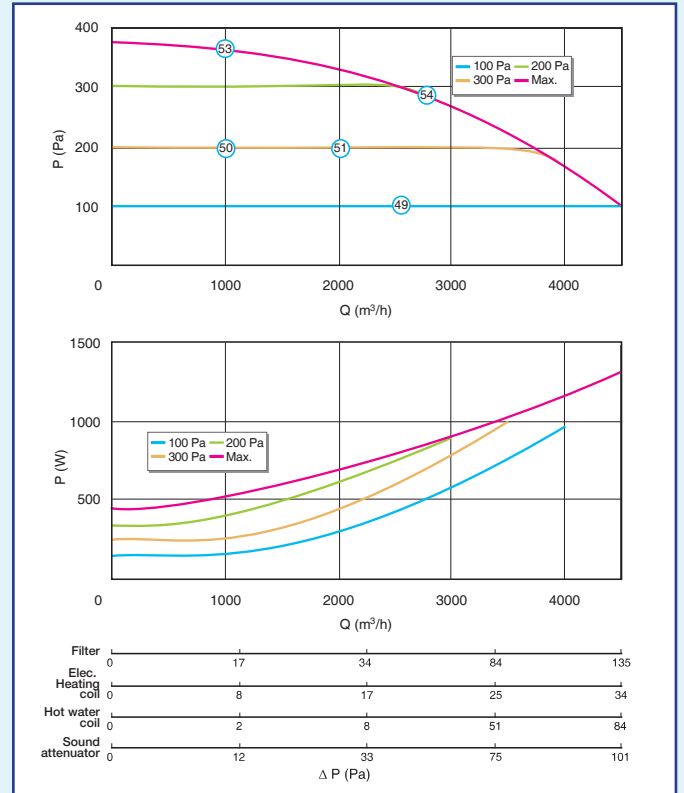
### AIRFLOW AND ACOUSTIC DETAILS

- Airflow curves drawn up in accordance with French Standard EN ISO 5801.
- ○ = Acoustic pressure level measured at 4 m from the casing, discharge connected in dB (A).
- P (Pa) = Static pressure - P (W) = Maximum power consumption.

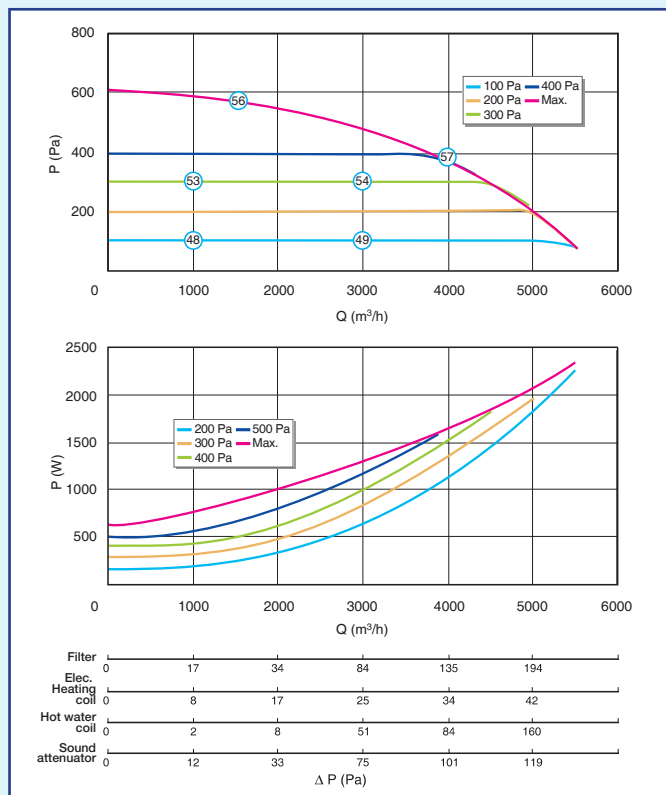
#### TVEC 1A micro-watt



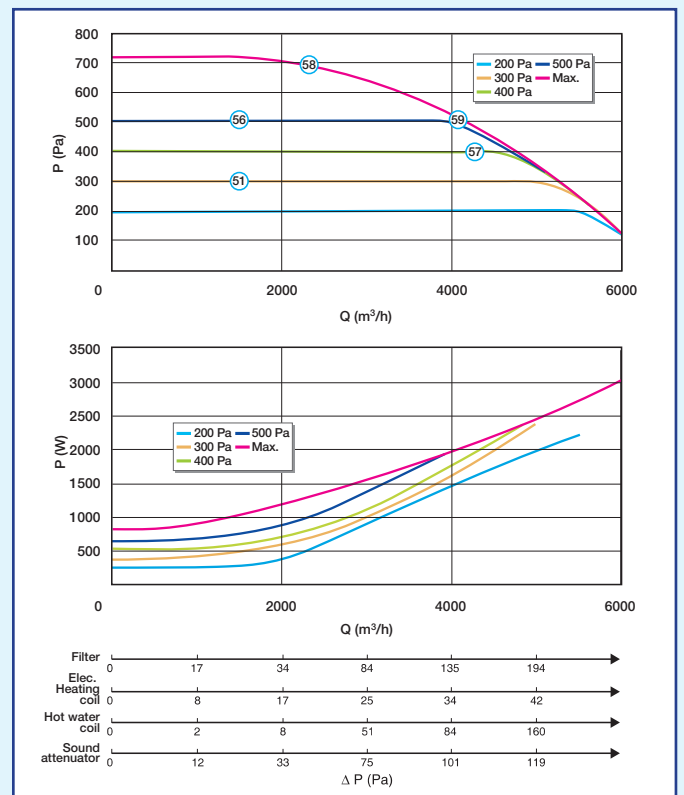
#### TVEC 1B micro-watt



#### TVEC 1C micro-watt



#### TVEC 1D micro-watt



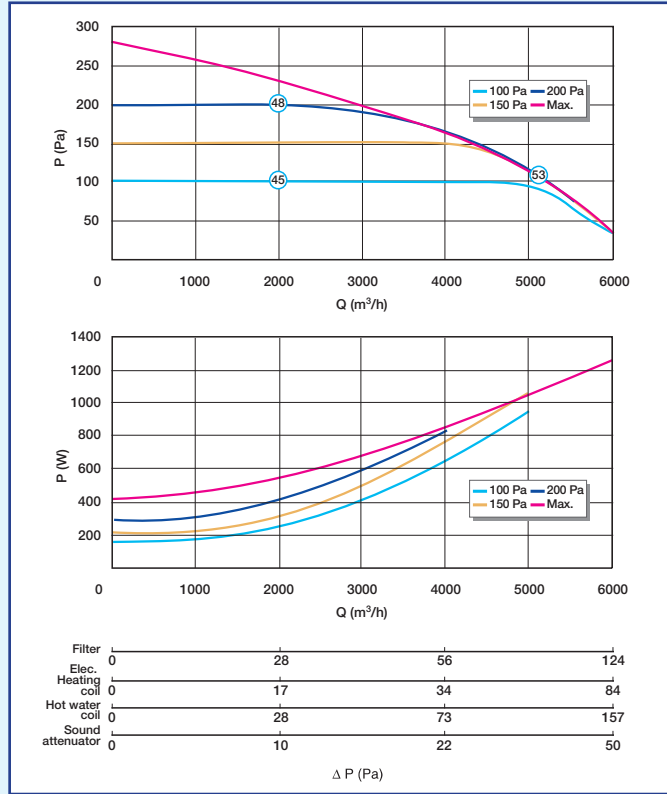
# Cabinet Fans

## TVEC GII micro-watt

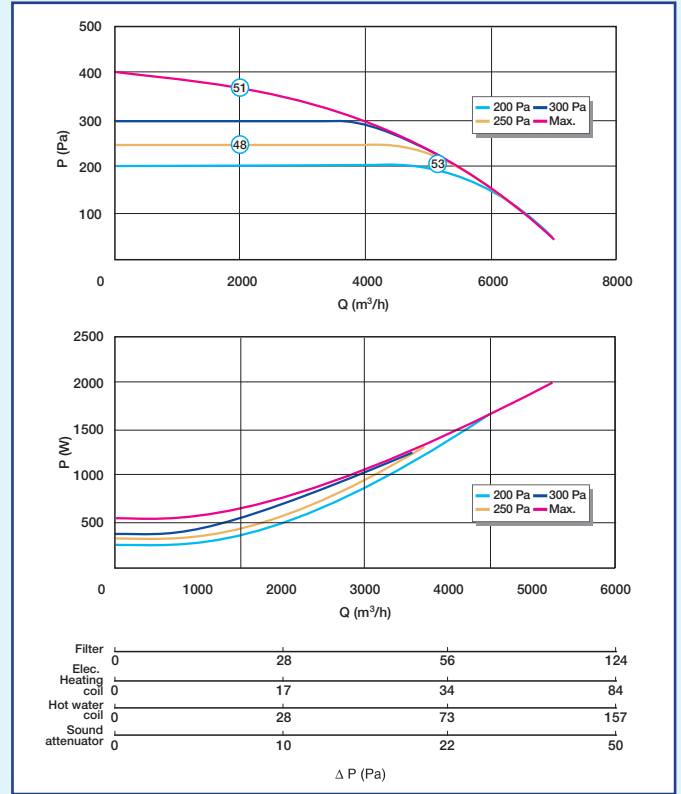
### AIRFLOW AND ACOUSTIC DETAILS

- Airflow curves drawn up in accordance with French Standard EN ISO 5801.
- ○ = Acoustic pressure level measured at 4 m from the casing, discharge connected in dB (A).
- P (Pa) = Static pressure - P (W) = Maximum power consumption.

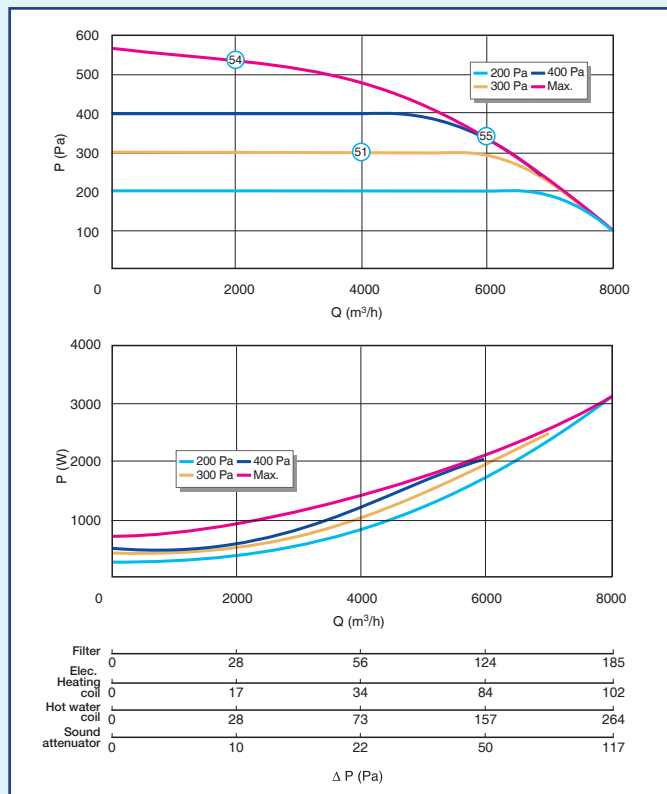
### TVEC 2A micro-watt



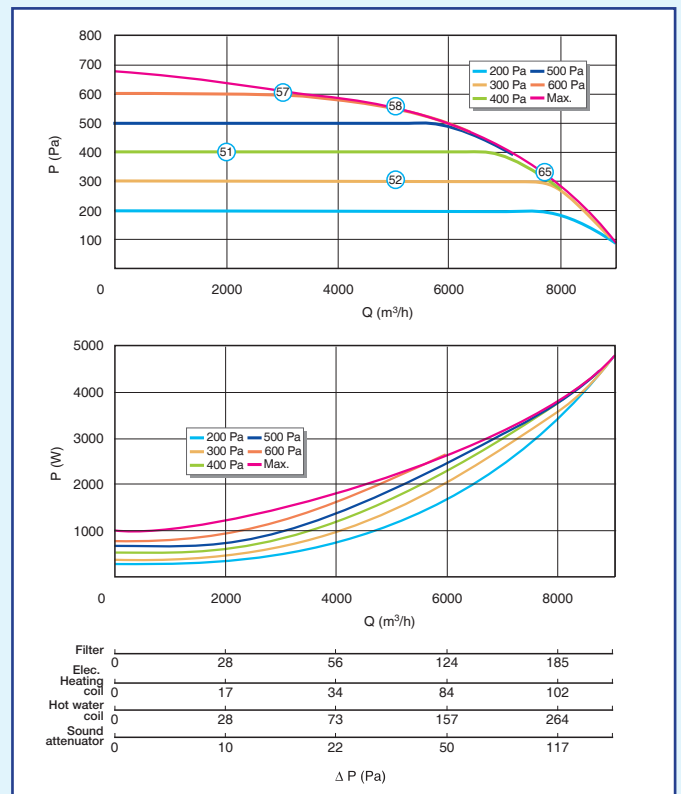
### TVEC 2B micro-watt



### TVEC 2C micro-watt



### TVEC 2D micro-watt



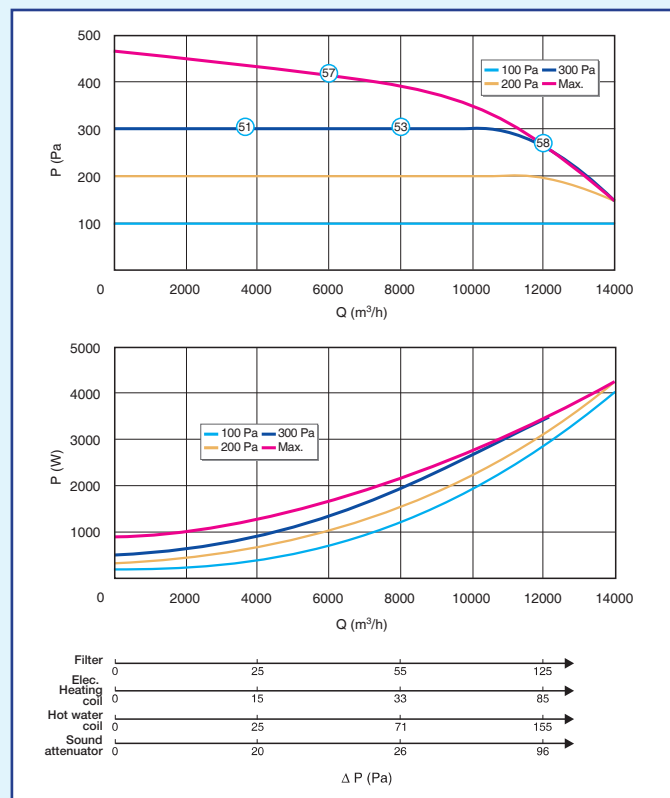
# Cabinet Fans

## TVEC GII micro-watt

### AIRFLOW AND ACOUSTIC DETAILS

- Airflow curves drawn up in accordance with French Standard EN ISO 5801.
- ○ = Acoustic pressure level measured at 4 m from the casing, discharge connected in dB (A).
- P (Pa) = Static pressure - P (W) = Maximum power consumption.

### TVEC 3A micro-watt



### TVEC 3B micro-watt

