

GAMME
MINIMAX[®]

CMV Office extraction units
Flow rate 50 to 4000 m³/h

01





Built-in motor, Flow rate 50 to 4000 m³/h

APPLICATION

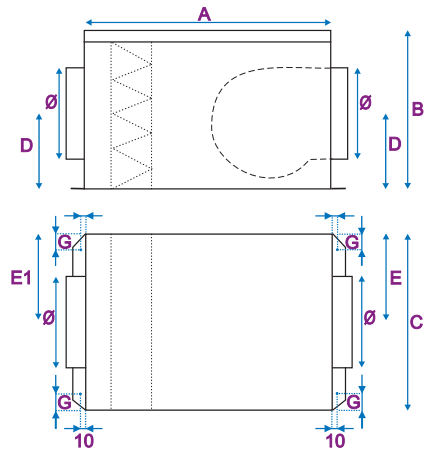
- Intended for the ventilation of rooms requiring low and average flow rates.
- Can be used for air extraction or blowing.
- ▲ Particularly suited in applications where there are dimensional constraints (low height) and acoustic requirements (enhanced sound insulation version).

RANGE

- Available in 4 sizes and 8 models, the **MINIMAX**[®] range covers flow rates from 50 to 4300 m³/h.

CONSTRUCTION

- Housing in galvanized steel sheet, thickness 10/10ths.
- Removable cover secured by four screws.
- Circular double-seal in line branch connections.
- Local padlockable switch fitted.



* Nota : The curves are made with a suction and discharge nozzle connected subwoofer is not connected (C configuration according to NF N 13141-4).

VENTILATION UNIT DESCRIPTION **MINIMAX**[®]

- Grommet for power cable.
- Unit fitted with feet with shaped slot for fixing.
- Factory fitted with rails for receiving a G3 or G4 filter.

MOTOR FAN

- Direct-coupled motor with integrated thermal cutout (in series with the windings).
- **MINIMAX**[®] 125 and 160 model: reaction turbine with single opening.
- Other models: impulse turbine with double opening.
- ▲ 2-speed motor up to model 250.

INSTALLATION

- Fitted with a rain hood, it can be installed outdoors.
- The unit can be used ceiling- or wall-mounted in all positions.
- Easy access to all internal parts.
- Usage temperature: 40° C.

VARIANT

- Phonic version with very high density rockwool insulation (120 kg/m³).
- ▲ G3 or G4 gravimetric filter, thickness 25 mm. Average pressure drop with clean filter 45 Pa.

INSTALLATION AND ELECTRICAL OPTIONS

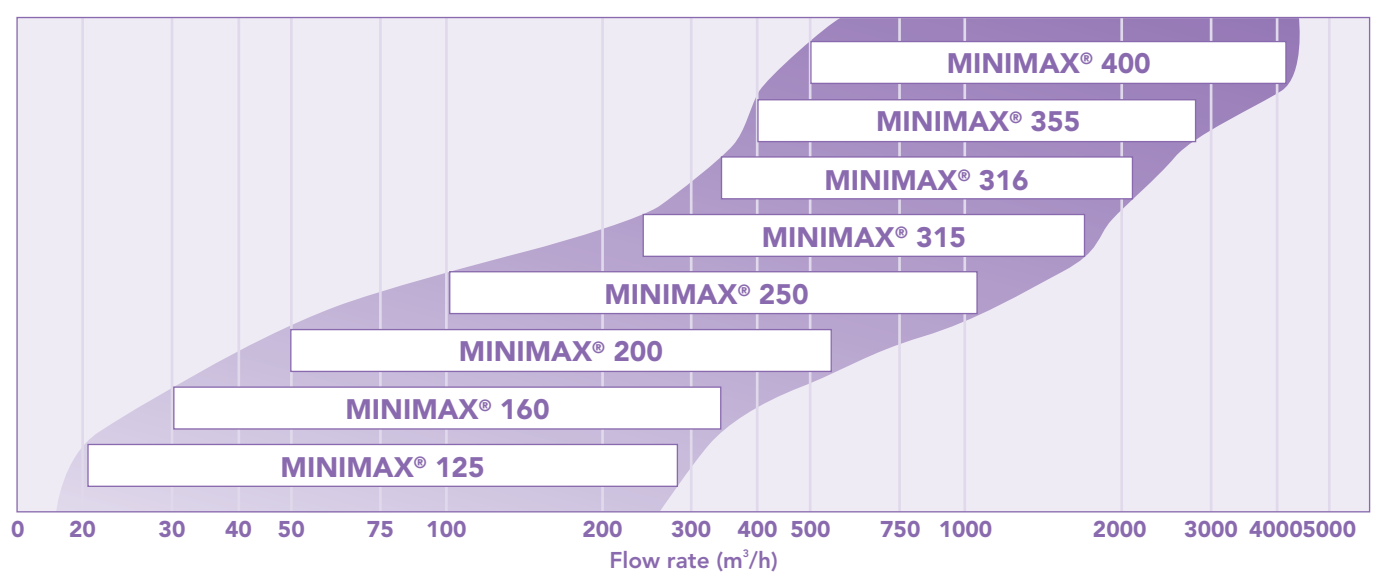
- Numerous options are available (see page 61).

DIMENSIONS CHARACTERISTICS **MINIMAX**[®]

Modèle MINIMAX [®]	A mm	B mm	C mm	Ø mm	D mm	E1 mm	E mm	G mm	Poids appareil (kg)	
									NI	PHONIC
125	460	200	350	125	115	255	255	60	9	11
160	460	200	350	160	100	245	255	60	9	11
200	350	295	400	200	180	200	200	60	12	14
250	540	335*	450	250	165	225	225	60	16	19
315	470	385	450	315	210	225	225	60	20	23
316	470	385	450	315	210	225	225	60	22	25
355	570	475	550	355	260	275	275	60	28	33
400	570	475	550	400	260	275	275	60	35	40

* Hauteur caisson NI = 335mm - hauteur caisson PHONIC = 360mm

PRESELECTION TABLE **MINIMAX**[®]





- The values L_{p4m} dB (A) (○) shown on the curves (or in the table below) is the sound pressure level to 4m in hemispherical free field on a reflective surface, rejection box not connected
- The values L_w cond dB (A) (□) indicated on the curves correspond to the total sound power radiated in the upstream duct.
- For the acoustic spectrum of sound power L_w cond dB (A), upstream side, add the following values to the sound power level L_w cond dB (A) (□) mentioned on the curves (or the table against).

Upstream acoustic spectrum weighting function L_w cond dB (A) (□) shown on curves									
Fréquence	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Global
MINIMAX 125 NON ISOLÉ dB(A)	-24	-10	-2	0	0	0	-7	-18	6
MINIMAX 160 NON ISOLÉ dB(A)	-24	-10	-2	-1	0	0	-7	-18	6
MINIMAX 200 NON ISOLÉ dB(A)	-14	-6	-3	1	-1	-3	-6	-14	6
MINIMAX 250 NON ISOLÉ dB(A)	-24	-11	-3	-1	3	0	-5	-14	7
MINIMAX 315 - 400 NON ISOLÉ dB(A)	-16	-7	-4	-2	-0	-1	-7	-13	5
MINIMAX 125 PHONIC dB(A)	-22	-10	-1	-10	-14	-19	-22	-26	0
MINIMAX 160 PHONIC dB(A)	-18	-7	-2	-12	-10	-17	-20	-24	0
MINIMAX 200 PHONIC dB(A)	-13	-7	-4	-7	-13	-20	-19	-20	0
MINIMAX 250 PHONIC dB(A)	-23	-11	-1	-10	-12	-20	-22	-24	0
MINIMAX 315 - 400 PHONIC dB(A)	-15	-8	-3	-8	-11	-18	-20	-20	0

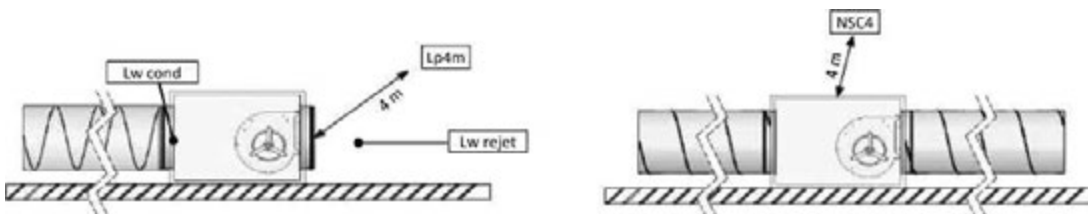
- The overall sound power radiated to the rejection of the box is given by:
 PHONIC MINIMAX®: L_w rejection dB (A) = L_{p4m} dB (A) (○) + 20
 MINIMAX® (not isolated): L_w rejection dB (A) = L_{p4m} dB (A) (tableau out against) + 20.
- For the sound pressure level L_p dB (A) in a hemispherical free field, at a distance, camera placed on the floor reflecting surface upstream side connected discharge side not connected, add the following values in dB L_{p4m} (A) (○) shown in the curves for PHONIC release or in the table below for the non-isolated against release.

Weighted L_p at various distances depending on L_{p4m} (○)						
Distance (m)	2 m	3 m	4 m	5 m	7 m	10 m
Pondération distance dB(A)	6	2	0	-2	-5	-8

NOTA :

Tolérance = Valeurs globales +/- 3 dB(A)
 Spectres acoustiques
 +/- 5 dB(A)

- For the sound level 4m (NSC4) connected to the suction and discharge by a sheath as well as the soundproofing box, apply the following unit weights:
 PHONIC MINIMAX®: NSC4 dB (A) = L_{p4m} dB (A) (○) - 17
 MINIMAX® non-isolated NSC4 dB (A) = L_{p4m} dB (A) (see table below) - 10

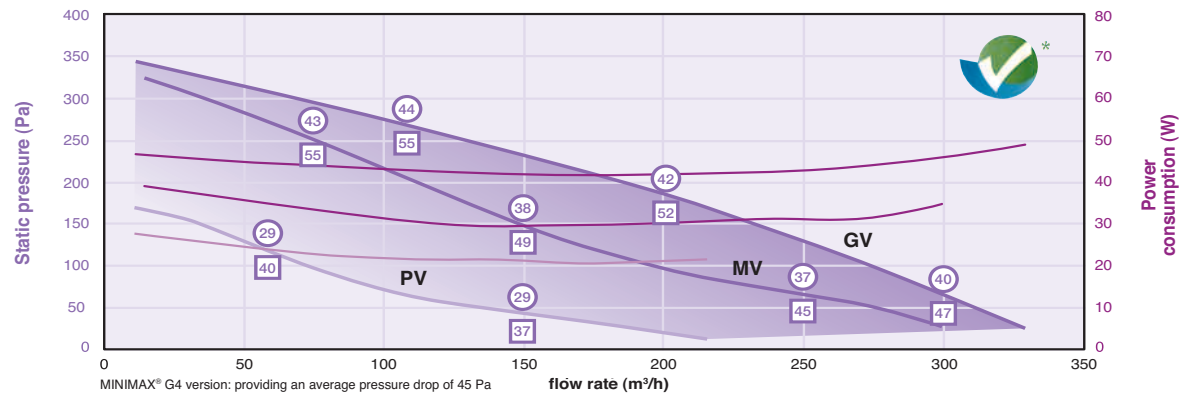


MINIMAX® Model	Power supply voltage (V / Ph / Hz)	Power rating (W)	Protection current (A)	Usage temp. (°C / °C)	Motor IP/Class	Thermal cutout *	Speed variation
MINIMAX® 125	230 / 1 / 50	50	0,23	-20 / 60	IP44 / B	PTI	AUTOTRANSFORMER OR ELECTRONIC
MINIMAX® 160	230 / 1 / 50	63	0,26	-20 / 60	IP44 / B	PTI	
MINIMAX® 200	230 / 1 / 50	170	0,74	-25 / 60	IP44 / F	PTI	
MINIMAX® 250	230 / 1 / 50	155	0,68	-25 / 60	IP44 / B	PTI	
MINIMAX® 315	230 / 1 / 50	147	1,6	-20 / 40	IP55 / F	PTI	
MINIMAX® 316	230 / 1 / 50	300	2,4	-20 / 40	IP55 / F	PTI	
MINIMAX® 355	230 / 1 / 50	420	3,9	-20 / 40	IP55 / F	PTI	
MINIMAX® 400	230 / 1 / 50	550	8,0	-20 / 40	IP10 / F	PTI	

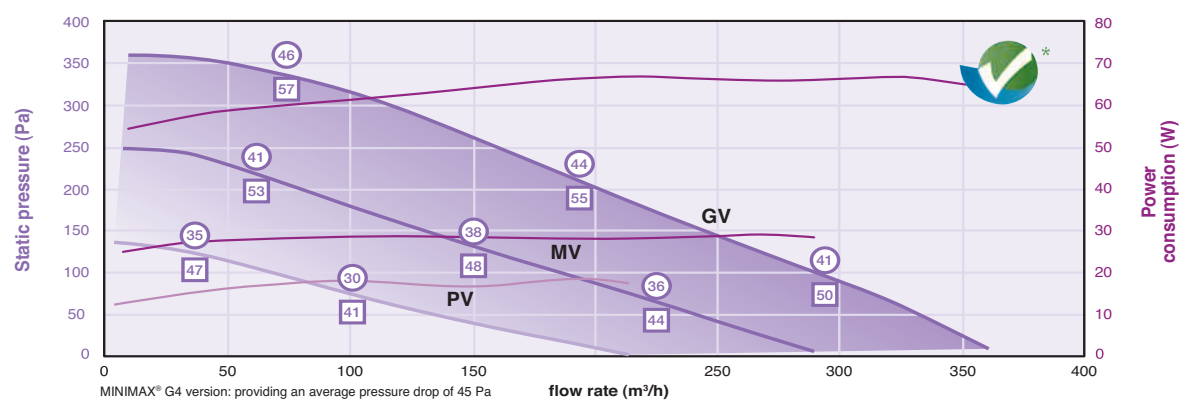
* PTI: Integrated thermal cutout



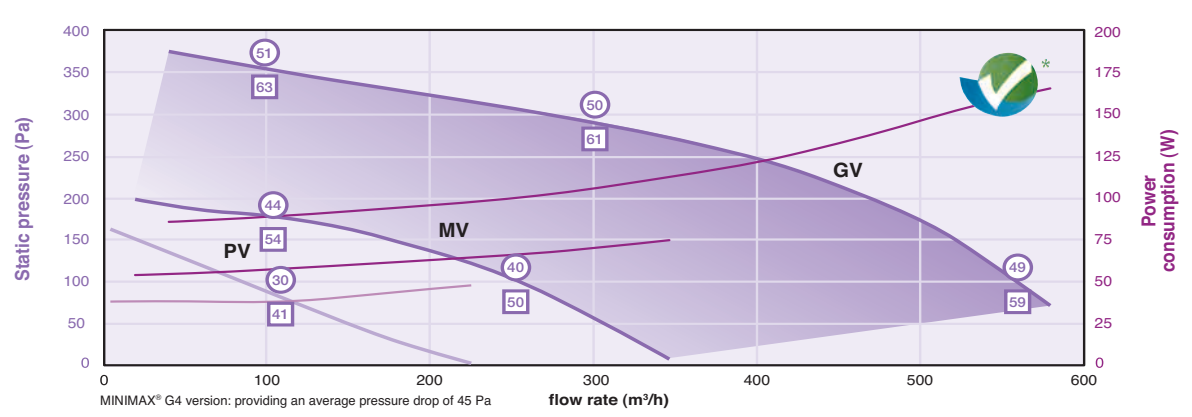
MINIMAX® 125



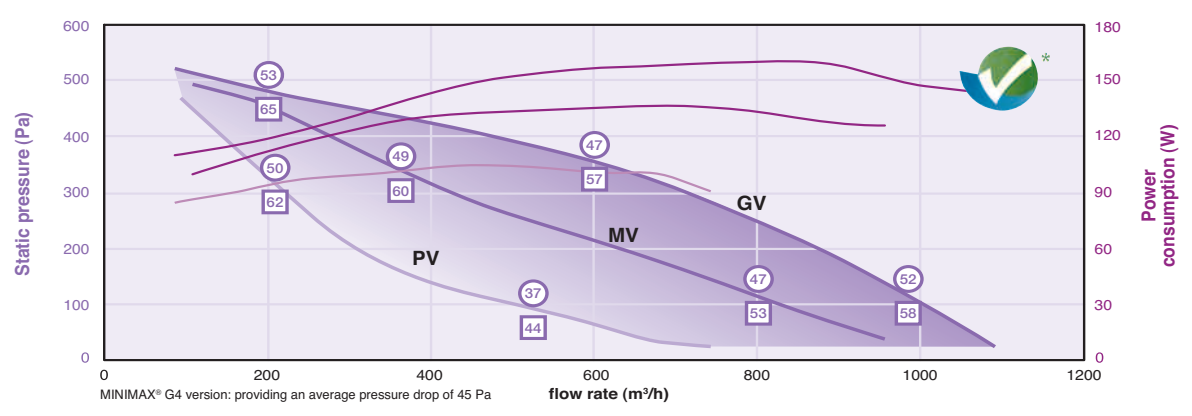
MINIMAX® 160



MINIMAX® 200



MINIMAX® 250



Caractéristiques acoustiques pour un MINIMAX® PHONIC

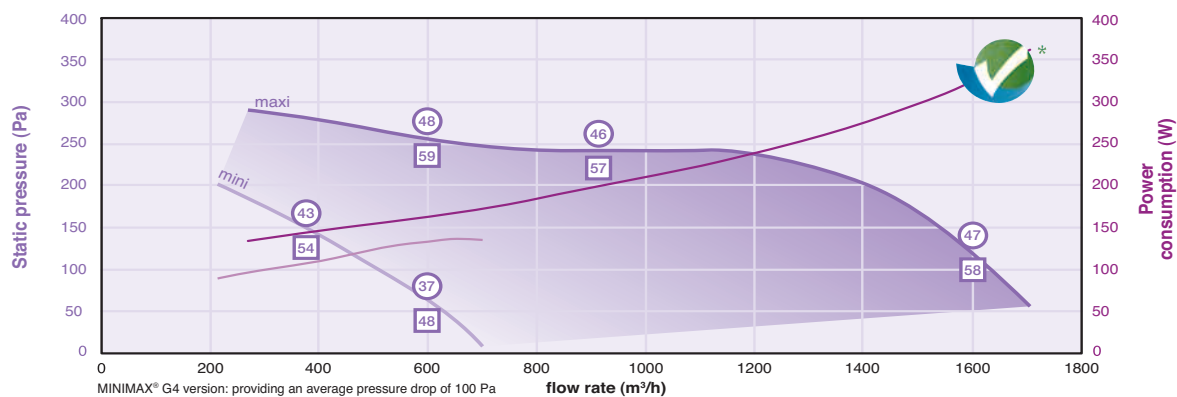
○ Niveau de pression acoustique à 4m, en champs libre, aspiration raccordé Lp4m (dBA)

□ Puissance sonore aspiration caisson LWcond (dBA)

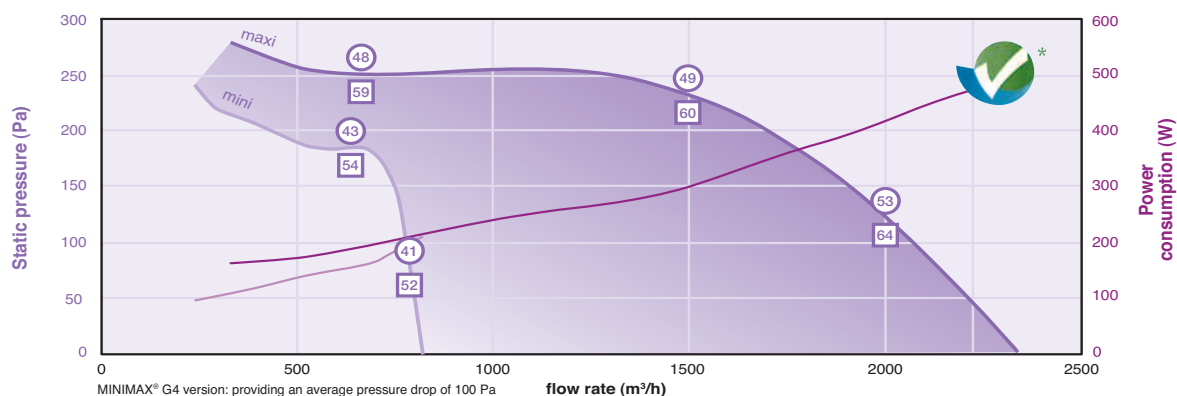




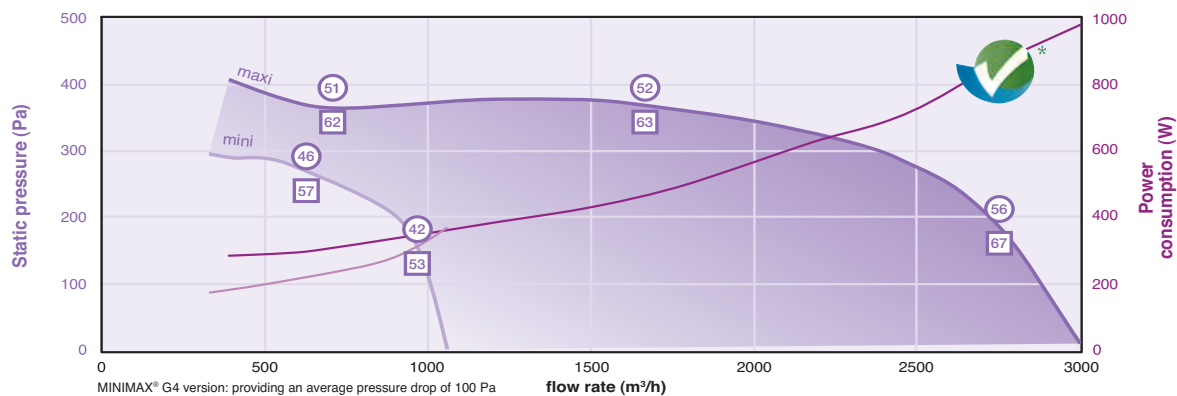
MINIMAX® 315



MINIMAX® 316



MINIMAX® 355



MINIMAX® 400

