



MINIBLUE[®]

MINIBLUE

LOBBY[®]

CMV Office extraction units
Air flow 50 to 3500 m³/h





EC MOTOR
(Direct Current), Air
flow 50 to 3500 m³/h

APPLICATION

- Air Extraction or blowing of commercial premises requiring low and medium speeds.
- Particularly suited in applications where there are dimensional constraints (low height) and acoustic requirements (acoustic treatment as standard) and very low consumption.
- **MINIBLUE** units fitted with the EC motor (direct current) fulfil the requirements of directive ERP 2009/125/EC (2nd phase, 2018). The **MINIBLUE** guarantees very low electrical consumptions.

RANGE

- Available in 5 sizes and 7 models, the **MINIBLUE** range covers air flows from 50 to 3 500 m³/h.
- Available in two control modes, the **MINIBLUE** range offers a suitable and optimal use of your facilities.
MINIBLUE : standard version equipped with a potentiometer to adjust your operating point.
MINIBLUE LOBBY : Version constant pressure self-regulated with the desired pressure setting and LCD display of the instantaneous pressure.

CONSTRUCTION

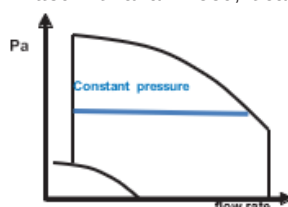
- Housing in galvanized steel sheet, thickness 10/10ths. Sound insulation with very high density rockwool insulation (120 kg/m³).
- Removable cover secured by four screws.
- Circular double-seal in line branch connections.
- Local padlockable switch fitted.
- Grommet for power cable.
- Unit fitted with feet with shaped slot for fixing .

MOTOR FAN

- Direct drive DC motor with high efficiency electrical commutation (EC) (ErP 2009/125/EC, 2nd phase 2018 compliant).
- **MINIBLUE** 125 to 250 models : reaction wheel with single opening.
- Other models: impulse wheel with double opening.

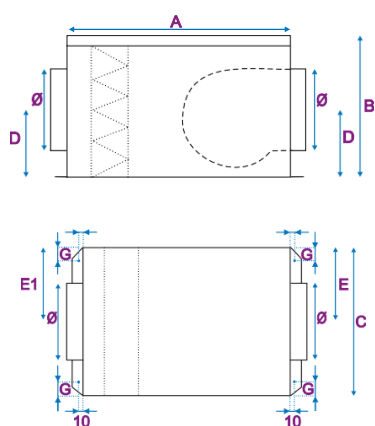
INSTALLATION

- 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

G4 gravimetric filter, thickness 25 mm.

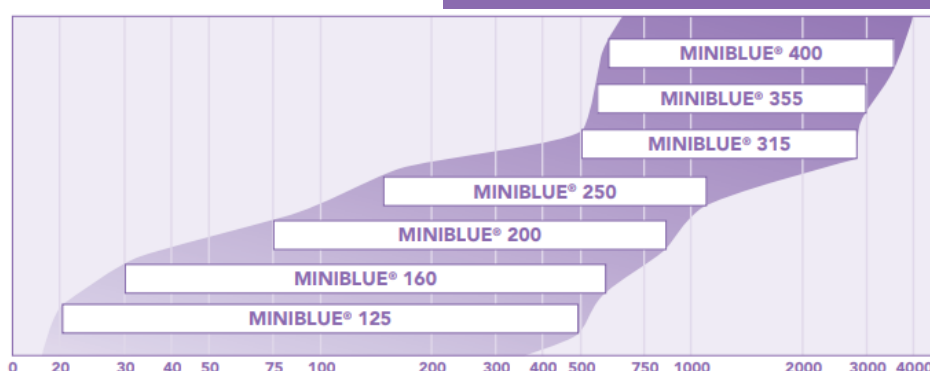


DIMENSIONS CHARACTERISTICS MINIBLUE®

MINIBLUE® model	A mm	B mm	C mm	Ø mm	D mm	E1 mm	E mm	G mm	Weight (kg)
125	515	260	370	125	120	185	185	50	12
160	515	260	370	160	120	185	185	50	12
200	590	290	420	200	125	210	210	60	16
250	540	360	450	250	165	225	225	60	19
315	470	385	450	315	205	225	225	60	23
355	570	475	550	355	275	275	275	60	30
400	570	475	550	400	250	275	275	60	31

PRESELECTION TABLE

MINIBLUE®





ACOUSTIC CHARACTERISTICS MINIBLUE®

- The values L_{p4m} dB (A) (○) shown on the curves correspond to the sound pressure level to 4m in hemispherical free field on a reflective surface, rejection not connected box.
- The values L_w 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 L_w cond dB (A) (□) indicated on the curves.

Upstream acoustic spectrum weighting function cond L_w dB (A) Indicated on the curves

Frequency	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
Weighting MINIBLUE 125 dB(A)	-26	-14	-3	-6	-10	-15	-17	-17
Weighting MINIBLUE 160 dB(A)	-25	-14	-3	-6	-10	-15	-17	-17
Weighting MINIBLUE 200 dB(A)	-22	-11	-2	-9	-10	-16	-18	-23
Weighting MINIBLUE 250 dB(A)	-21	-11	-2	-8	-10	-18	-22	-26
Weighting MINIBLUE 315 dB(A)	-20	-12	-7	-4	-7	-14	-17	-17
Weighting MINIBLUE 355 dB(A)	-29	-11	-1	-12	-14	-19	-21	-23
Weighting MINIBLUE 400 dB(A)	-23	-9	-1	-15	-17	-21	-23	-27

- The overall sound power radiated to the rejection of the box is given by:
MINIBLUE®: L_w rejection dB (A) = L_{p4m} dB (A) (○) + 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) (○) indicated on the curves.

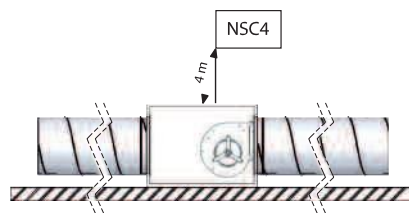
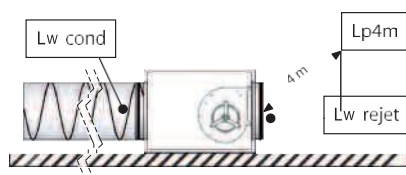
L_p weighting to diverse distances depending on L_{p4m} (○)

Distance	2 m	3 m	4 m	5 m	7 m	10 m
Weighting distance dB(A)	6	2	0	-2	-5	-8

NOTA : Tolerance Values = overall + / - 3 dB (A)
Acoustic spectra + / - 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:

MINIBLUE®: NSC4 dB(A) = L_{p4m} dB(A) (○) - 17.



ELECTRICAL CHARACTERISTICS MINIBLUE®

MINIBLUE® model	Power (V / Ph / Hz)	Electric power (W)	Protection intensity (A)	Temperature use (°C / °C)	Protection index	Thermal protection*
MINIBLUE® 125	230 / 1 / 50	83	0,75	-25 / 60	IP54 / B	PTI
MINIBLUE® 160	230 / 1 / 50	83	0,75	-25 / 60	IP54 / B	PTI
MINIBLUE® 200	230 / 1 / 50	86	1,64	-25 / 40	IP44 / B	PTI
MINIBLUE® 250	230 / 1 / 50	165	1,2	-25 / 60	IP44 / B	PTI
MINIBLUE® 315	230 / 1 / 50	1070	4,3	-25 / 40	IP44 / F	PTI
MINIBLUE® 355	230 / 1 / 50	1040	4,5	-25 / 40	IP44 / F	PTI
MINIBLUE® 400	230 / 1 / 50	1040	4,5	-25 / 40	IP44 / F	PTI

* PTI : Integrated thermal protection



MINIBLUE®
250 LOBBY

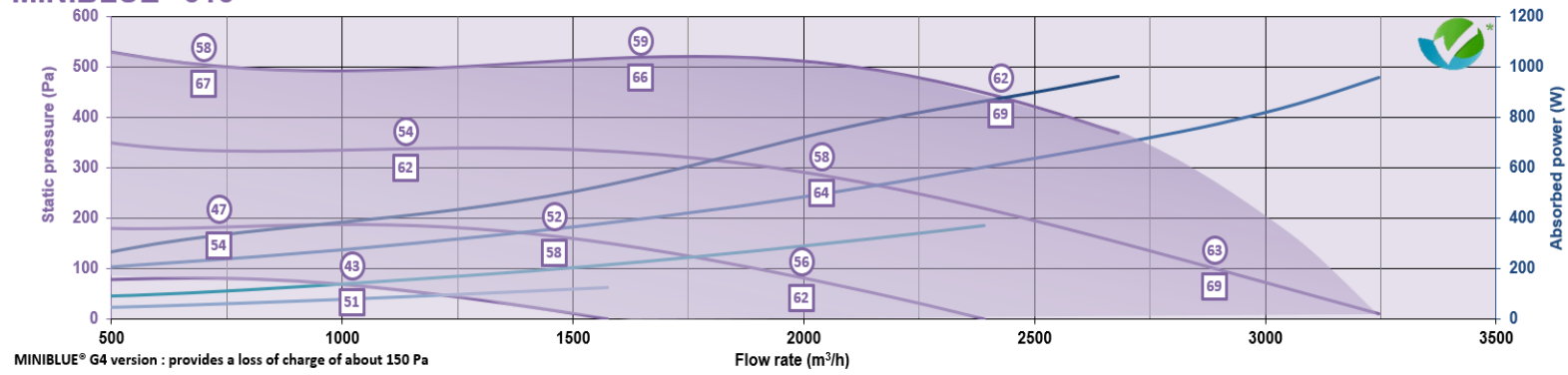


* Nota : The curves are made with suction and discharge chamber connected (D configuration according to NF N 13141-4) nozzles.

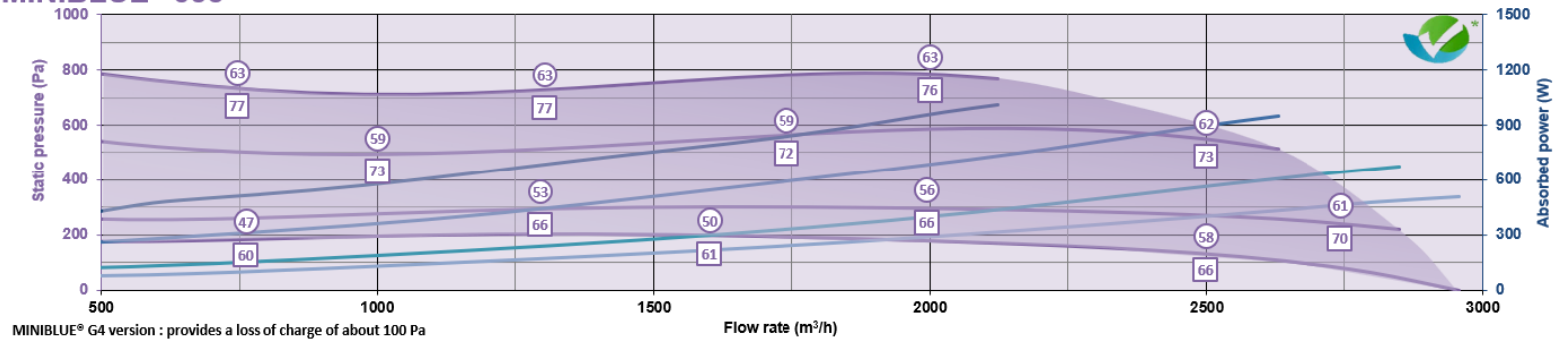
SELECTION CURVES MINIBLUE®



MINIBLUE® 315



MINIBLUE® 355



MINIBLUE® 400

