NOE®
RANGE

400° C - 1/2 h
CMV/Collective extraction units
Flow rate 400 to 11400 m³/h

03

ERP2016
CALADAIR RESPECT

Ventilation unit

PULLEY/BELT TRANSMISSION
400 to 11400 m³/h

CTICM C4 - 400° C - 1/2 h approved
Report no. 09-E-544

CSTB technical notification
for Hygro A, Hygro B and Hygro Gas usage

CMV POWER selection software

APPLICATION

- Intended mainly for air extraction in houses and public assembly buildings requiring high flow rates.
- C4, 400°C 1/2 h certified 50 Hz and 60 Hz.

RANGE

- Comprising 10 models, it covers flow rates from 400 to 11400 m³/h in a number of configurations.

INSTALLATION

- Can be installed internally or externally.
- Easy access to all internal parts.
- May be fully dismantled.

CONSTRUCTION

- Housing: galvanized steel sheet. Amply dimensioned, it offers powerful air handling and acoustic performance characteristics.
- Internal access via two removable panels.
- Bird protection grid on discharge.
- Circular nozzles with double lip seal for watertight networks (ATEC CSTB No. 13-224-V2).
- Local padlockable switch on front panel.
- Pressure switch factory-fitted in the unit and set to 80 Pa (Gas CMV). Time delay possible (see MISTRAL 30 S unit option).
- External pressure tap to check air flow.
- Vibration pads incorporated under the chassis of the motorised fan unit.
- ▲ **SILENCE** version 400°C 1/2 h certified. The insulation of the unit using 25mm M0 mineral wool allows acoustic performance characteristics compliant with the requirements of the new regulations to be achieved.

MOTOR FAN

- Transmission by pulley and belt, motor pulley variable when stopped.
- Three-phase one-speed motor, IP55 F, 230/400V-3, 50 Hz.
- Door opening sensor available for office ventilation.
- Centrifugal impulse turbine with double opening.
- Flexible connection from turbine to unit.
- Spare belt supplied.

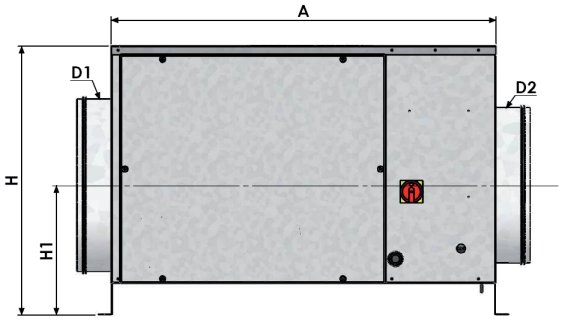
The units are available in two versions:
H: 1 horizontal intake Ø D1 + 1 horizontal discharge Ø D2 in-line
V: 1 horizontal intake Ø D1 + 1 horizontal intake Ø D2 + 1 vertical discharge LxL1

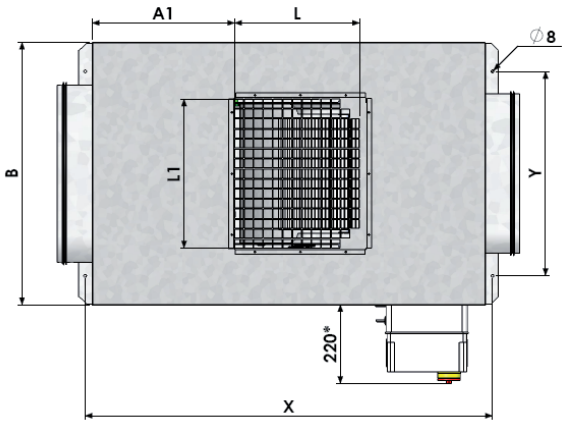
Reference to be given in the order:

NOE	3000	SILENCE	H
1	2	3	4

1: Unit 400° C/1/2 h pulley belt transmission
2: Maximum flow rate in use
3: SILENCE version 400° C 1/2 h certified
4: Installation configuration
H = in-line discharge / V = 1 or 2 horizontal intakes and vertical discharge

NOE	4800	-	V
1	2	3	4





*Overall depth of LOBBY® unit

Reference	Dim. unit overall			Ground fixing		Discharge version V from the top			Discharge version H on side of local switch		Intake versions H and V opposite local switch		Intake version V on side of local switch		Weight		Weight of condensate tray
	Lenght	Width	Height	Lenght	Width	Position	Width	Lenght	Ø Floor centreline distance		Ø Floor centreline distance		Ø Floor centreline distance		NOE®	NOE® SILENCE	
NOE®	A (mm)	B (mm)	H (mm)	X (mm)	Y (mm)	A1 (mm)	L1 (mm)	L (mm)	D2 (mm)	H1 (mm)	D1 (mm)	H1 (mm)	D2 (mm)	H1 (mm)	(kg)	(kg)	(kg)
2600-3000	900	585	580	940	470	370	330	271	400	320	400	320	315	320	55/57	60/62	5
3400-3800	1000	650	680	1040	520	380	360	298	450	360	450	360	400	360	72/74	78/80	6
4800-5600	1110	740	780	1150	575	400	420	355	500	375	500	375	450	375	86/88	93/95	7
6800-8000	1300	860	880	1340	670	450	500	407	630	455	630	455	500	455	119/122	129/132	10
10000-11400	1400	940	980	1440	720	410	585	490	710	485	710	485	630	485	154/159	165/170	12

Reference	Motor power (kW)	Current protection at 400 V (A)	Rotation speed (rpm)	Power supply (V/phases/Hz)
NOE® 2600	0,37	1,1	865 / 1100	230-400 / 3 / 50
NOE® 3000	0,55	1,4	975 / 1240	230-400 / 3 / 50
NOE® 3400	0,55	1,4	740 / 940	230-400 / 3 / 50
NOE® 3800	0,75	1,9	880 / 1120	230-400 / 3 / 50
NOE® 4800	0,75	1,9	650 / 830	230-400 / 3 / 50
NOE® 5600	1,10	2,6	720 / 940	230-400 / 3 / 50
NOE® 6800	1,10	2,6	540 / 700	230-400 / 3 / 50
NOE® 8000	1,50	3,5	600 / 780	230-400 / 3 / 50
NOE® 10000	1,50	3,5	470 / 580	230-400 / 3 / 50
NOE® 11400	2,20	4,8	530 / 655	230-400 / 3 / 50

• The Lp4m dB(A) (◯) values shown on the curves relate to the average overall acoustic pressure level radiated in a free field on a reflecting plane, unit discharge not connected. These values also enable you to obtain the spectrum for **NOE® SILENCE** units.

• The Lw cond dB(A) (□) values shown on the curves relate to the average overall acoustic pressure level radiated in the intake duct for a **NOE®** device.

• To obtain the overall Lw cond dB(A) for a **NOE® SILENCE**, ôter 5 dB(A) subtract 5 dB(A) from the overall Lw cond dB(A) (□) value shown on the curves.

• To obtain the acoustic power spectrum radiated in the intake duct in dB(A) for a non-insulated **NOE®**, device, add the correction coefficients from the table below to the Lw cond dB(A) (□) value shown on the curves

Intake acoustic spectrum weighting for non-insulated NOE® as a function of the Lw cond dB(A) (□) values shown on the curves								
Frequency	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
NOE® 2600 and 3000 dB(A) weighting	-35	-18	-16	-9	-5	-5	-9	-19
NOE® 3400 and 3800 dB(A) weighting	-33	-18	-13	-9	-5	-5	-8	-17
NOE® 4800 and 5600 dB(A) weighting	-30	-16	-14	-9	-5	-5	-9	-19
NOE® 6800 and 8000 dB(A) weighting	-29	-19	-11	-8	-6	-5	-8	-17
NOE® 10000 and 11400 dB(A) weighting	-27	-18	-12	-7	-6	-5	-9	-18

• To obtain the acoustic power spectrum radiated in the intake duct in dB(A) for a **NOE® SILENCE** device, add the correction coefficients from the table below to the acoustic spectrum of a non-insulated device dB(A) obtained using the table above.

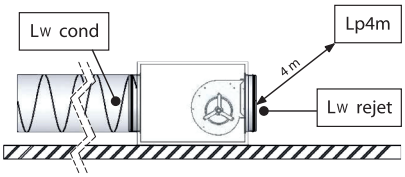
Intake acoustic spectrum weighting for NOE® SILENCE as a function of the intake acoustic spectrum for non-insulated NOE®								
Frequency	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
Weighting pour NOE® SILENCE dB(A)	0	-1	-2	-4	-4	-6	-6	-8

Tolerance: Overall values +/- 3 dB(A)
Acoustic spectrum +/- 5 dB(A)

• Overall acoustic pressure level radiated rejection :
Lw rejet dB(A) = Lp4m dB(A) (◯) + 20

• To define the average overall acoustic pressure level radiated at a certain distance in dB(A) in free field on a reflecting plane, discharge unit not connected, add the value from the table below to the Lp4m dB(A) (◯) value shown on the curves.

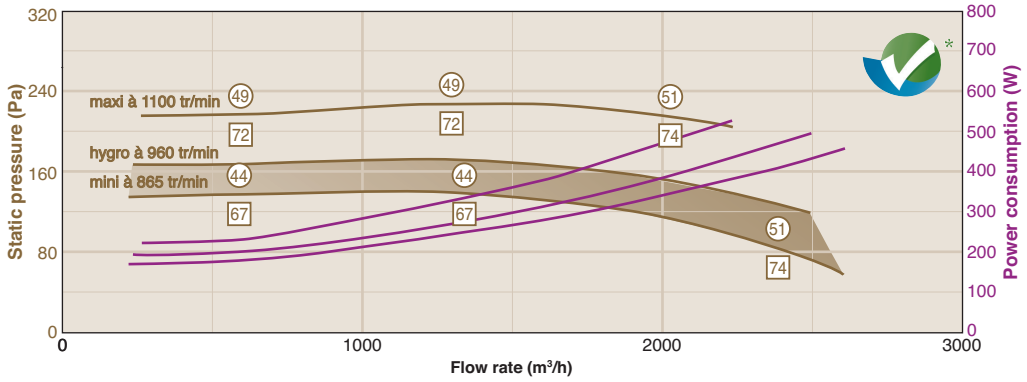
Lp weighting at various distances						
Distance	2 m	3 m	4 m	5 m	7 m	10 m
Distance weighting	6	2	0	-2	-5	-8



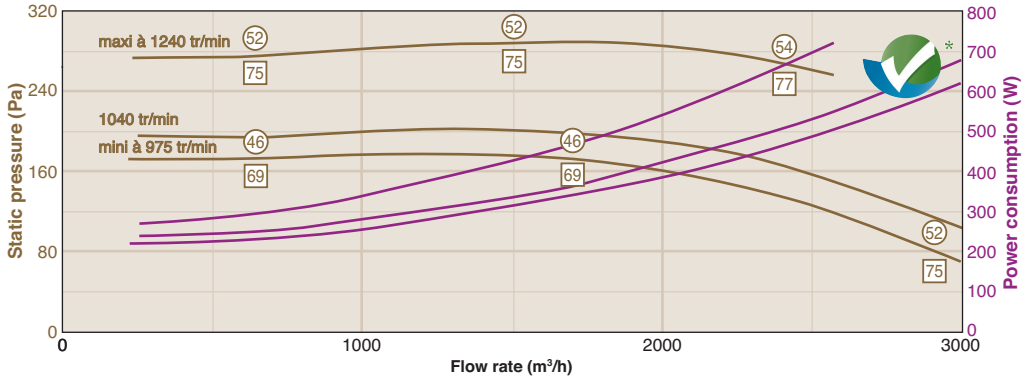
Les solutions écologiques de CALADAIR conformes aux recommandations de la RT2012

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

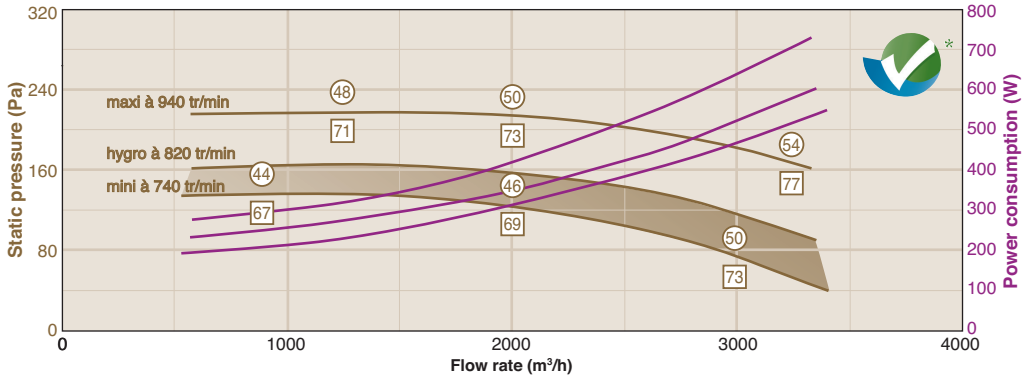
NOE® 2600



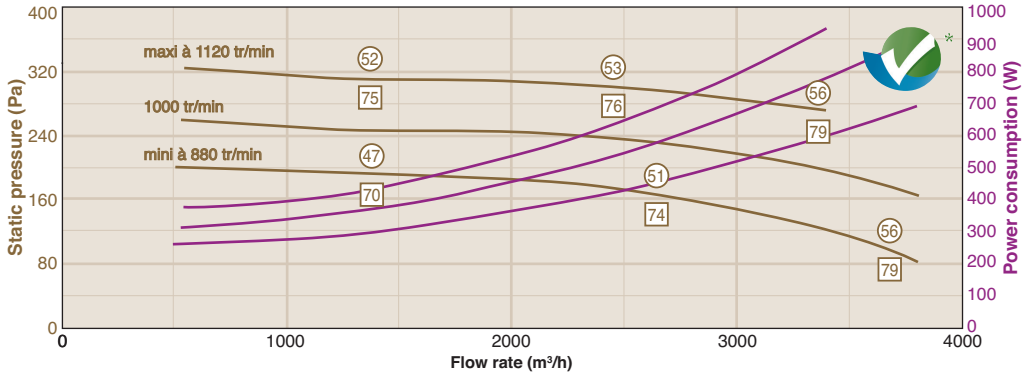
NOE® 3000



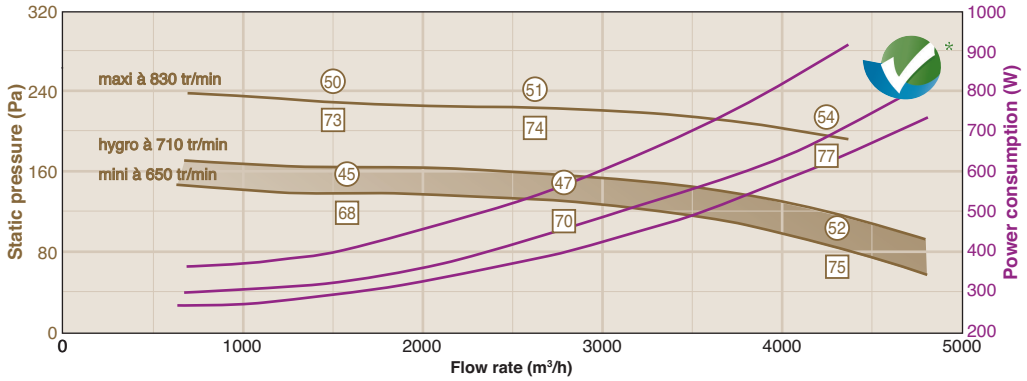
NOE® 3400



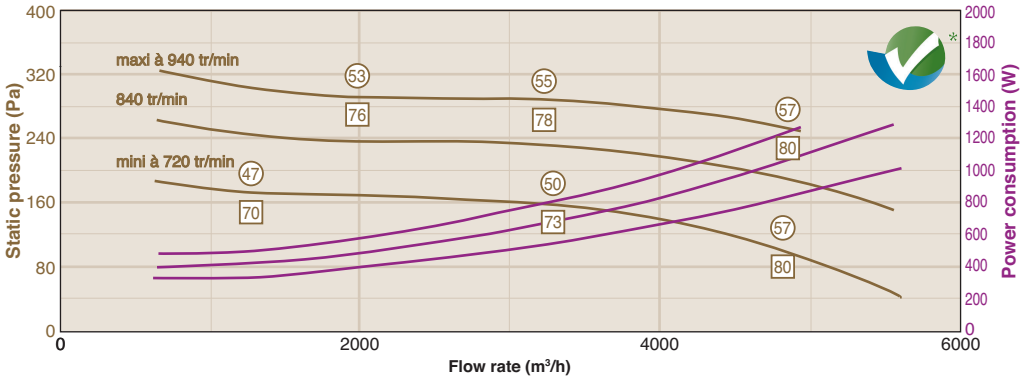
NOE® 3800



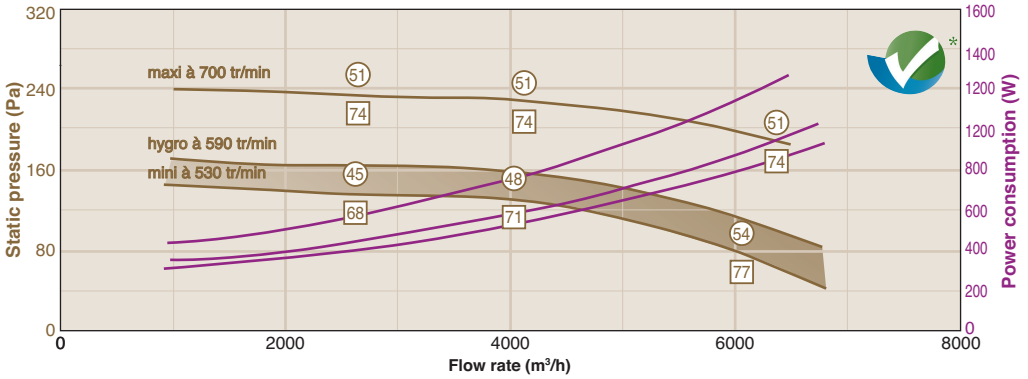
NOE® 4800



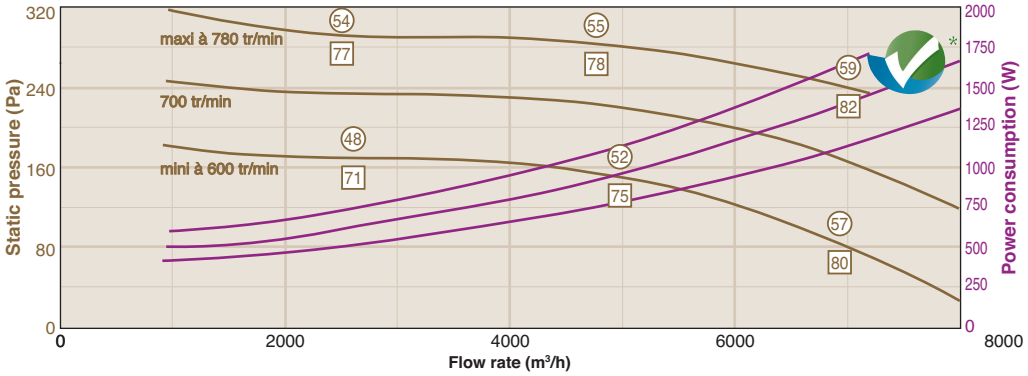
NOE® 5600



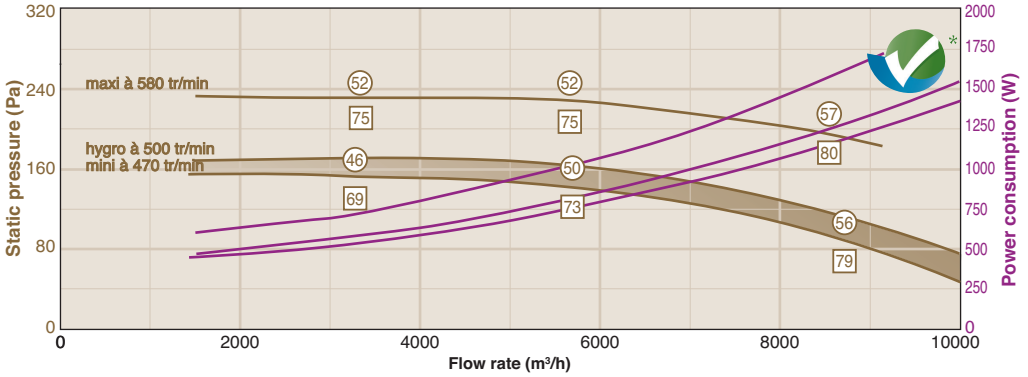
NOE® 6800



NOE® 8000



NOE® 10000



NOE® 11400