



## Simulation software type C-Diffusion

Cairox has a simulation program, **Cairox Diffusion Simulation Software** – in short C-Diffusion –, with which you can select the suitable louvres for each project.

With the simulation program C-Diffusion, you can select the suitable louvre and visualise the airflow in the space based on technical specifications (such as the dimensions of the space, the turnover, ...)

The assets of our simulation program are:

- Easy to use
- Clear visualisation of the airspeed at the comfort zone
- Only accessible to professional users
- Available in 3 languages (Dutch, French, English)
- Possibility of printing a clear and personalised report
- Both online and offline available

You can download the software on our website [www.cairox.be](http://www.cairox.be) under the heading professional info. To be able to use the software, you must go through a short registration procedure. After receiving a personal registration key, you can get started with the simulation software.



Cairox Diffuser Simulation Software, V2.9.2 - Cairox Belgium V4.0

New Open... Save... Preferences... Language... OPCO Exit About...

Manage Report

ProjectPROJECT X▶

Current roomRoom1▶

Dimensions6,00m x 4,00m x 2,70m▶

Requirements

SupplyExhaustOutdoor▶

PositionLeft wall▼

Columns1Rows1

Total airflowm³/h360

Room temperature°C23,0

Jet temperature°C20,0

Sound power limit35dB(A)

Maximum pressure drop30,0Pa

Maximum effective velocity (Vk)8,00m/s

Selection (Supply)SHVN▶

Type400 x 150

Airflow range150m³/h..1000m³/h

Sound power range<20dB(A)..53dB(A)

Symmetry▶

Supply unit simulationColumn view▶

Unit airflow360m³/h

Air changes per hour5,6

Unit sound power26dB(A)

Unit pressure drop4,5Pa

Effective area (Ak)0,03112m²

Effective velocity (Vk)3,21m/s

Delta T-3,0°C

Picture

2D View (Left wall)

Simulation (Column view)

Dynamic Variations

Airflow per unit m³/h 360 < > Supply air temperature

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