

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.sigairhandling.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

Project PROJECT X

Current room Room1

Dimensions 6,00m x 4,00m x 2,70m

Requirements

Supply Exhaust Outdoor

Position Left wall

Columns 1 Rows 1

Total airflow m³/h 360

Room temperature °C 23,0

Jet temperature °C 20,0

Sound power limit 35dB(A)

Maximum pressure drop 30,0Pa

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

Selection (Supply) SHVN

Type 400 x 150

Airflow range 150m³/h..1000m³/h

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

Symmetry

Supply unit simulation Column view

Unit airflow 360m³/h

Air changes per hour 5,6

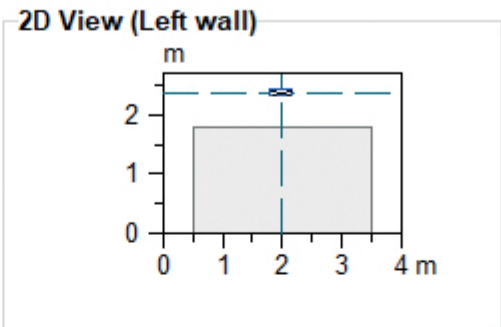
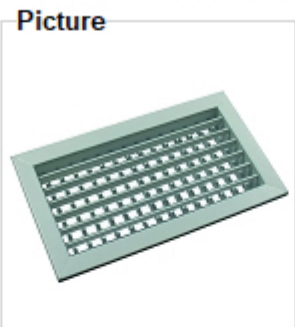
Unit sound power 26dB(A)

Unit pressure drop 4,5Pa

Effective area (Ak) 0,03112m²

Effective velocity (Vk) 3,21m/s

Delta T -3,0°C



Simulation (Column view)

Dynamic Variations

Airflow per unit m³/h 360

Supply air temperature

