Air curtain for insect repellent

AAC - 7 Type

Effective in preventing contamination such as insects during manufacturing process in food and pharmaceutical industries, etc.



Slim type air curtain
for insect repellent



Sheet shutter type air
curtain for insect repellent

- Our original technology of “unbalanced airflow” prevents fly insects from outside.
- Possible to manufacture the suitable size corresponding to the building.
  ∗ Standard dim.: Opening 2000mm × Height 2500mm
  ∗ Recommended opening dim. is within 3000mm, and height will be consulting separately.
- Replaced a blower and reduced air curtain startup time.
  ∗ conventional model: 3 sec.⇒1.5 sec.
- Improved the waterproof performance by using a waterproof connector.
- Possible to operate in conjunction with existing sheet shutter.
  ∗ 7C type
- We also offer models that blow air from one side only.
  ∗ AAC-19257KL



Low velocity nozzle
(fixed type)



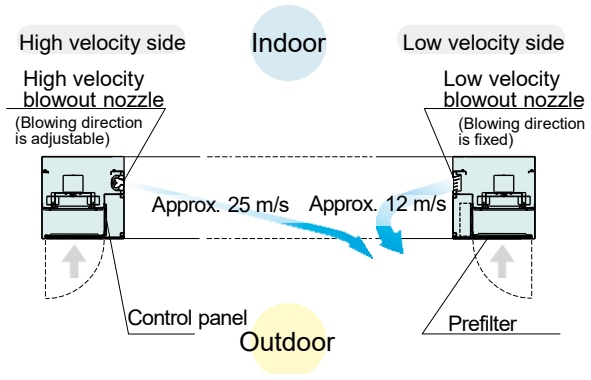
High velocity nozzle
(movable)



Prefilter

Unbalanced airflow

High velocity air at 25m/s and low velocity air at 12m/s are blown out with varying intensity. By suppressing the turbulence caused by the air collision, greatly prevents insects from entering.



Possible to install in the existing building

∗ Please contact us about installation of anchors to secure the device, installation of components to seal the gap with the wall, linkage with the existing shutter and wiring connections.

01 Marking



02 Installing



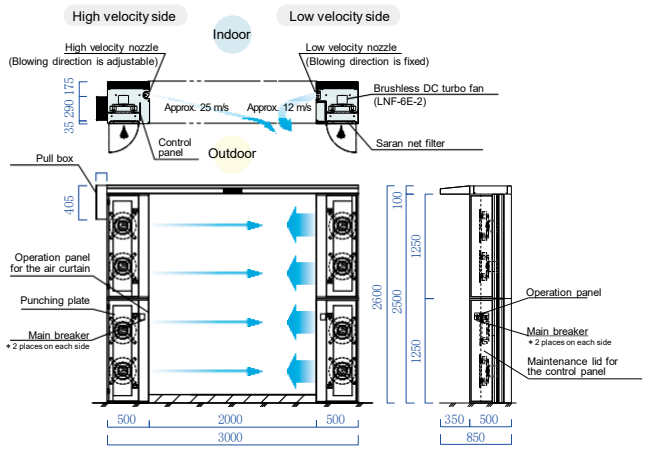
03 Install the awning and connect the power supply



04 Completed

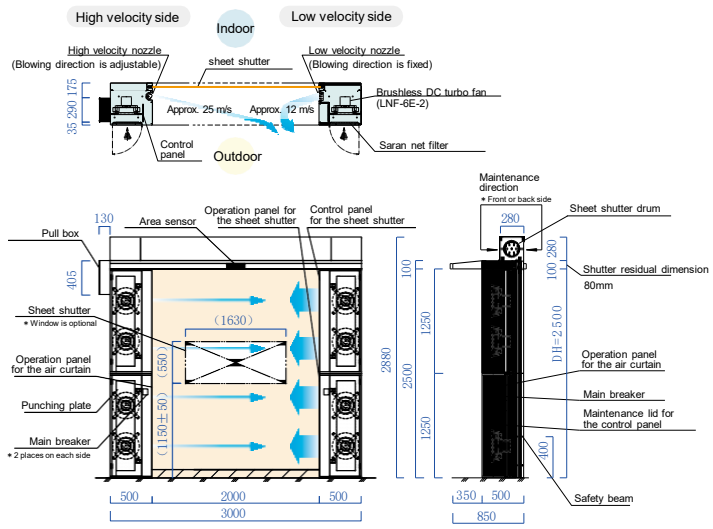


AAC-20257C Slim type



Model	AAC-20257C
Filter element	Saran net filter
Airflow rate (m^3/min)	High velocity side：105　Low velocity side：130
Blowout air velocity (m/s)	High velocity side：Approx. 25　Low velocity side：Approx. 12
Power supply	AC200V 3ϕ 50/60Hz
Power consumption (W)	Approx. 2600
Apparent power (VA)	Approx. 4500 VA (Max. 9200) ＊Leakage current is 9mA or less
Blower	LNF-6E-2×8 ＊Brushless DC turbo fan
Weight (kg)	Approx. 300
Structure	Main body：Steel plate with baking finish

AAC-20257Q sheet shutter type



- The sheet shutter rises at a speed of 1.5 m/s.
- The sheet shutter will come off the guide and prevent damage if it is touched by accident. It will automatically return to the original position when it rises.
- By integrating it with the sheet shutter, we have achieved greater insect-proofing effectiveness and reduced installation costs.

Operation specification

Send a signal to open the sheet shutter
・Optical sensor ・Remote controller ・String switch ・Push button
＊We will make proposals to suit your operations.

▼

Activate the air curtain
The blower inside the unit starts operating, creating an unbalanced airflow.

▼

Sheet shutter opens
Sheet shutter opens after the blower inside the unit rotates at high velocity.

▼

People and objects pass through the sheet shutter

▼

Sheet shutter closes
Sheet shutter closes after a certain amount of time.
＊We will propose the time and timing until the shutter closes tailored to your needs.

▼

Air curtain stops
Air Curtain stops after the sheet shutter completely closes and the residual operation is completed.

Model	AAC-20257Q (sheet shutter type)
Filter element	Saran net filter
Airflow rate (m^3/min)	High velocity side：105　Low velocity side：130
Blowout air velocity (m/s)	High velocity side：Approx. 25　Low velocity side：Approx. 12
Power supply	AC200V 3ϕ 50/60Hz
Power consumption (W)	Approx. 2600 ＊Factory settings
Apparent power (VA)	Approx. 6800 VA (Max. 11300) ＊Leakage current is 9mA or less
Weight (kg)	Approx. 355
Structure	Main body：Steel plate with baking finish
Other	Sheet shutter window is optional.

Sheet shutter	
Door opening/closing system	Vertical type
Drive system	DC motor
Opening/closing velocity	Opening: 2.0 m/s (Variable) Closing: 0.5 m/s (Variable)
Safety device	Safety beam
Door activation	Optical sensor
Power supply	AC200V 1ϕ 50/60Hz

Installation (AAC-20257C, AAC-20257Q)

- Possible to select high velocity side and low velocity side. (Please specify according to the direction of the wind at the installation location.)
- Please secure the main unit to the floor using anchor bolts.
- This device is for indoor use only. Please do not expose it to rain or water.