PA4210A AIR CURTAIN

Item no. 9930

Description

Stylish air curtain for commercial and industrial premises, with intelligent control
• Horizontal mounting
- Recommended installation height 4,2 m*
• Vertical mounting
- Recommended installation width 6 m*
(2 units), one on each side

Application
With air curtain PA4200 there are more opportunities than ever before, packed into the same product. There are therefore many areas of use. PA4200 is specifically designed for doorways in for example, large commercial installations or industrial and warehouse buildings.
The air curtain has many intelligent and energy saving features which provide fully automatic protection for the entrance, adaptable to each area of use.

Design
Through its timeless design and its many accessories, it's easy to get PA4200 to blend well into the premises. Front and service hatch can be finished in any colour to perfectly match the environment. The air curtain is available for horizontal, vertical and recessed installation.

*) Recommended installation height and width varies depending on the relevant premises.

Accessories

Accessories
SIRERTX Room sensor (17539)
SIRECC605 5m Modular cable (17543)
SIRECC615 15m Modular cable (17545)
PA34EF10 External inlet filter (19064)
PA4XT10 Outlet extension (19090)
PA4DW10 Design kit wall (110838)
PA34CB15 Ceiling brackets (18059)
PA4JK Vertical kit/Joining kit (110760)
PA34WB15 Wall brackets (18044)
PA34VD15 Vibration damper (18065)
PA34WS15 Wire suspension (18062)
PA34TR15 Threaded rods (18056)
SIREACY Competent kit (33488)
SIREAAY Advanced kit (33490)
SIREBN Basic kit (33481)
SIREACZ Competent kit (33489)
SIREAAZ Advanced kit (33491)

Technical parameters

Unit		
Type of installation	Horizontal/Vertical	
Type of heating	Ambient, no heat	
Length	1039	mm
Height	295	mm
Depth	611	mm
Weight	43	kg
Max. installation height	4200	mm
Color casing	RAL 9016, NCS S 0500-N	
Color, outlet grilles	RAL 7046	
Protection class	IP24	
Ambient working temperature range (dry conditions)	-20-30	°C

Air flow		
Air flow step 5	2400	m³/h
Air flow step 4	2100	m³/h
Air flow step 3	1650	m³/h
Air flow step 2	1200	m³/h
Air flow step 1	950	m³/h

Sound data		
Sound power level LWA	82	dB(A)
Sound level step 5	66	dB(A)
Sound level step 4	62	dB(A)
Sound level step 3	57	dB(A)
Sound level step 2	51	dB(A)
Sound level step 1	46	dB(A)

Control/motor data		
Control/motor supply	230	V
Phase	1	~
Control/motor current, 50Hz	4	A
Max fan rpm	1900	r.p.m.
Motor power 50Hz	920	W

Get In Touch

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Our Address

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Documentation

📄 ma_frico_pa3500-4200_gb_180926.pdf (3,49MB)

📄 ma_frico_PA3XT_PA4XT_150415.pdf (381,55kB)

📄 ma_frico_PA3JK_PA4JK_PA34VDW_vertical.pdf (1,53MB)

📄 ma_frico_pa34tr_pa34cb-pa34vd.pdf (739,11kB)

📄 ma_frico_pa34ws_pa34cb.pdf (916,13kB)

📄 ma_pa34jk_pa34dw_horizontal.pdf (1,74MB)

📄 cat_frico_ac_sire_valves_gb_20170523.pdf (345,98kB)

📄 cat_frico_pa3500_pa4200_gb.pdf (1,43MB)

📄 wd_frico_pa4200_gb.pdf (168,25kB)

📄 DoC Air curtains_gb 2017-04.pdf (224,51kB)

📄 PA4210A-H-3D.dxf (98,74kB)

📄 pa4210e12-2D_1.dwg (141,51kB)

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Specification text

Thermozone Air Curtain - PA3500A & PA4200A

Innovative new generation type of air curtains, designed for either horizontal or vertical mounting with air circulation in neutral, compact design with integrated and intelligent control system SIRe

Housing
The self-supporting compact unit construction is made of galvanized sheet steel. The housing and galvanized sheet metal are Zink plated (Z275) with a thickness of 35 um. Visible surfaces with high-quality plastic powder coated (polyester powder coating, 60 um) in a subtle gray and white combination of both RAL9016 and RAL7046. A dominant and timeless design, hinged front and front access panel, high-grade aluminum allows integrating technical detail for each input. With M8 nuts, the air curtain is simple and easy to mount on the wall or ceiling. Matching design panels for cable connections are available as accessories for every type of installation. For vertical installations of either single or several air curtains, vertical installation accessories are available for each specific needs and requirement.

Fans
Vibration-free individually driven, double inlet five -stage variable high performance centrifugal fans with external rotor motor for extremely quiet operation, IP 44, with accessible motor protection and thermal contacts with class F insulation and ensure low noise operation. The newly developed sound-absorbing lined air outlet pressure chamber provides the internal air flow for reduced emissions of the engine noise and the formation of a highly effective flow profile.

Inlet grille
Integrated and located on top of the unit, not visible from below for hiding dust; guarantees a quiet slipstream.

Outlet grille
The streamlined grey powder coated outlet nozzle rod profiles, are lockable between 0 ° and 30 ° (in and out) and creates and provides a guided, aerodynamic air flow and high shielding effectiveness; Thermozone Technology.

Electrical connection
The main control connection is mounted and located on the top of the device and easily accessible to its integrated control system and designed are according to ISO 9001:2000.

Control system
The provided control system should be an intelligent and adaptive control system, allowing and operating the installed air curtain with five different fan speed for being energy efficient as possible yet providing the best and most efficient air curtain effect. Including the control system, a calendar program can easily be set and adjusted according to each specific needs for the air curtain of operating without any manual handling. The air curtain can together with included and installed control system be also connected to either 0-10V or Modbus BMS system.

Certification
The air curtain must comply to EN and ISO standards valid for air curtains and tested and approved according ISO standards (ISO 27327-1), EN standards (EN 308; EN 12238; EN 60335) and AMCA standards (AMCA 210; AMCA 220-5; AMCA 300).

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