



PAECS-NA

Slim and cost effective air curtain with EC motor and integrated controls for cold rooms

Installation height for cold rooms up to: up to 4 m/13.1 ft*

PAECS-NA creates an effective barrier between temperature zones. Stepless control that can be set for open and closed door allows precise adjustment for every installation, with optimised protection at the lowest possible energy consumption.

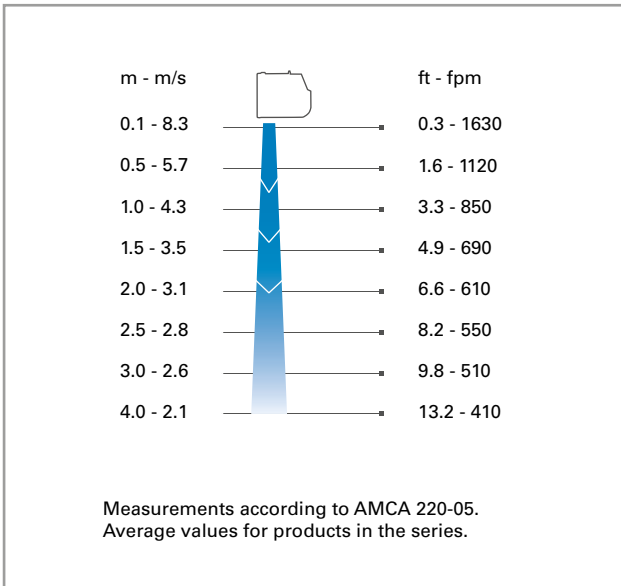
PAECS-NA is the perfect choice for cold room and freezer applications.



Optimized airflow with Thermozone technology.

- Very low operating costs can be achieved thanks to the combination of EC motors and Frico's unique fan geometry.
- Stepless airflow control.
- Prepared with extracted wiring (1.8 m/5.9 ft) enabling easy connection of an external door contact.
- Easy installation with 1.5 m/4.9 ft cable and plug.
- Wall brackets included.
- The front is easy to remove, which facilitates installation and allows easy maintenance.
- Corrosion proof housing made of hot zinc-plate and powder coated steel panels. Colour front: white, RAL 9016, NCS S 0500-N. Colour grille, rear section, ends and brackets: grey, RAL 7046.

Air velocity profile - Cold storage



*) Recommended installation height varies depending on the relevant premises. The air curtain units should be positioned as close to the door opening as possible and cover its whole width.

Metric chart

☼ Ambient, no heat - PAECS-NA (IP44)

Type	Output [kW]	Airflow* ¹ [m ³ /h]	Sound pressure* ² [dB(A)]	Voltage motor [V]	Amperage motor* ³ [A]	Length [mm]	Weight [kg]
PAECS10-NA	0	1450	44/62	208V~	0.13/0.71	1050	15
PAECS15-NA	0	2200	45/62	208V~	0.18/1.06	1560	20
PAECS20-NA	0	3100	51/67	208V~	0.45/1.91	2050	30

*¹) Max. airflow, 10V.

*²) Sound pressure (L_{pA}). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m². At lowest/highest airflow.

*³) Applicable at 50% and 100% airflow.

Above table is valid for 208V/1ph/60Hz. Also approved for 230V/1ph/50Hz. Product performance for 230V/1ph/50Hz will differ from stated data.

Approved for 50/60Hz.

Protection class: IP44.
CE compliant.

Imperial chart

☼ Ambient, no heat - PAECS-NA (IP44)

Type	Output [MBH]	Airflow* ⁴ [cfm]	Sound pressure* ² [dB(A)]	Voltage motor [V]	Amperage motor* ³ [A]	Length [in]	Weight [lb]
PAECS10-NA	0	850	44/62	208V~	0.13/0.71	42	33
PAECS15-NA	0	1300	45/62	208V~	0.18/1.06	62	44
PAECS20-NA	0	1850	51/67	208V~	0.45/1.91	82	66

*¹) Max. airflow, 10V.

*²) Sound pressure (L_{pA}). Conditions: Distance to the unit 16 ft. Directional factor: 2. Equivalent absorption area: 2150 sqft. At lowest/highest airflow.

*³) Applicable at 50% and 100% airflow.

Above table is valid for 208V/1ph/60Hz. Also approved for 230V/1ph/50Hz. Product performance for 230V/1ph/50Hz will differ from stated data.

Approved for 50/60Hz.

Protection class: IP44.
CE compliant.

Control options

Stepless airflow control with door contact/position limit switch

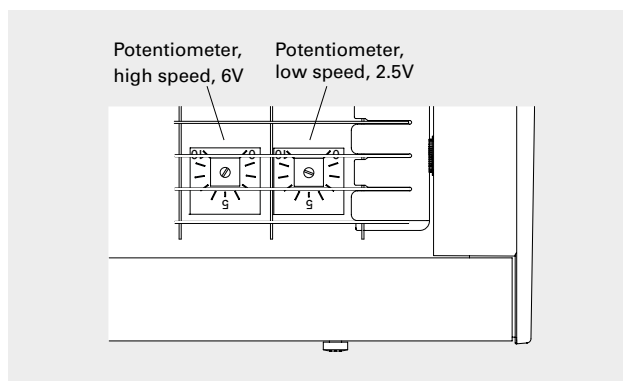
When the door is closed the fan runs at low speed, set on the internal potentiometer 0-10V, which is located inside the outlet grille. When the door opens, the fan runs at high speed, set on an external potentiometer. This control option gives low response time and the best protection.

Control kit:

- SIREDC, door contact or AGB304, position limit switch

BMS control

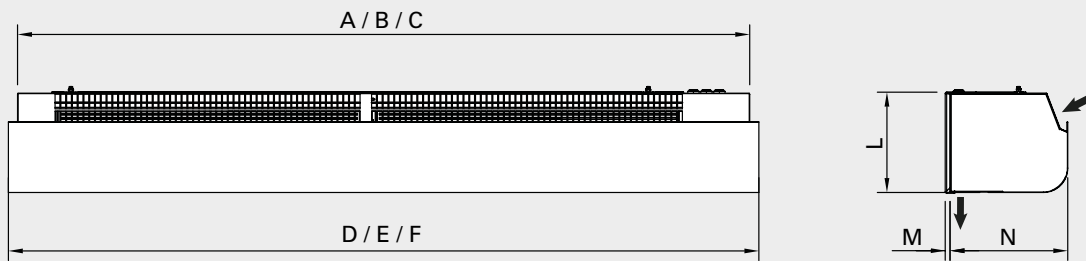
The air curtain can also be controlled via BMS (0-10V).



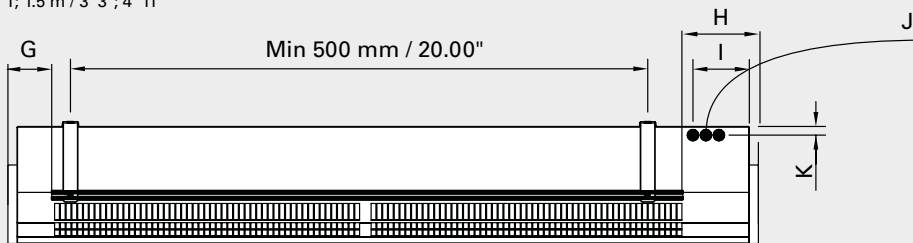
Internal potentiometer for low and high speed (accessible through the outlet grille).

PAECS-NA

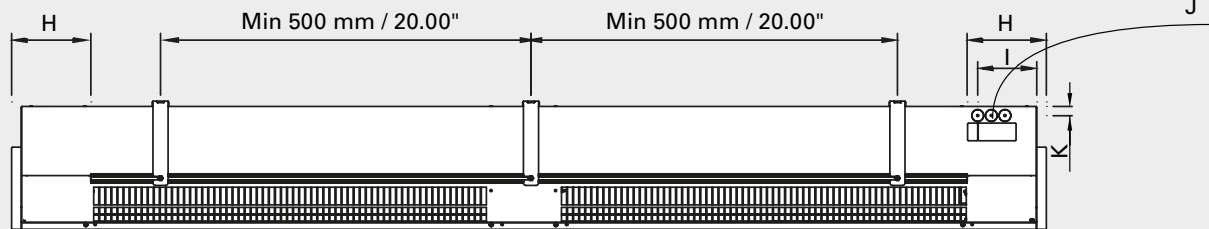
Dimensions



1; 1.5 m / 3' 3"; 4' 11"

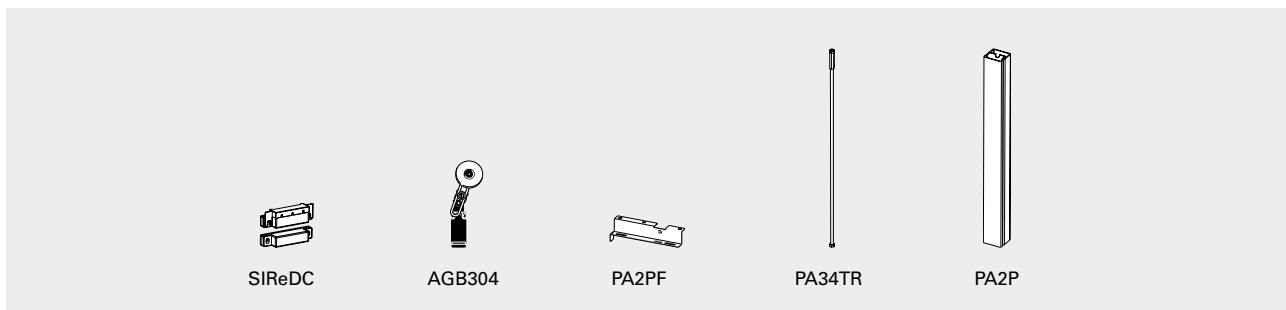


2 m / 6' 7"



Ref	Metric [mm]	Imperial [in]	Product type
A	1012	40.48	PAECS10-NA
B	1522	60.88	PAECS15-NA
C	2012	80.48	PAECS20-NA
D	1050	42.00	PAECS10-NA
E	1560	62.40	PAECS15-NA
F	2050	82.00	PAECS20-NA
G	90.5	3.62	
H	157	6.28	
I	117	4.68	
J	1800	72.00	
K	18	0.72	
L	209	8.36	
M	10	0.40	
N	245	9.80	

Accessories



SReDC, door contact
Indicates door status. Potential free, changeover contact.

AGB304, position limit switch
Starts the air curtain or activates a fan speed control when the door is opened. When the door closes, AGB304 stops the air curtain or changes fan speed through a fan speed control. Alternating contact 4 A, 230 V~. IP67.

PA2PF, ceiling mounting brackets
Mountings for installing the unit in the ceiling using hanging brackets or threaded bars (not included).

PA34TR, threaded bars
Threaded bars for installing unit on to a ceiling. Length 1 m/3.3 ft. Used together with ceiling mounting brackets PA2PF/PA3PF.

PA2P, hanging brackets
Hanging brackets for installing the unit suspended from the ceiling. Length 1 m/3.3 ft. The hanging brackets are covered by a white plastic trim to cover the cables. The brackets may be cut to shorter length, if required. Used together with ceiling mounting brackets PA2PF/PA3PF.

Type	Description	Quantity included	Length Metric	Length Imperial
SReDC	Door contact			
AGB304	Position limit switch, IP44			
PA2PF15	Ceiling mounting brackets for 1 and 1.5 m/3.3 and 4.9 ft units	4 pcs		
PA2PF20	Ceiling mounting brackets for 2 m/6.6 ft units	6 pcs		
PA34TR15	Threaded bars for 1 and 1.5 m/3.3 and 4.9 ft units	4 pcs	1 m	3.3 ft
PA34TR20	Threaded bars for 2 m/6.6 ft units	6 pcs	1 m	3.3 ft
PA2P15	Hanging brackets for 1 and 1.5 m/3.3 and 4.9 ft units	2 pcs	1 m	3.3 ft
PA2P20	Hanging brackets for 2 m/6.6 ft units	3 pcs	1 m	3.3 ft

For mounting, connection, wiring diagrams and other technical information, please see the manual.