



## PAEC2500/3200

Stylish air curtain with EC motor and integrated controls, for cold rooms

Recommended installation height \*

PAEC2500: 2,5 m

PAEC3200: 3,2 m

PAEC2500/3200 protects cold and freezer rooms efficiently at very low operating costs and can give energy savings of up to 85%. The stepless control allows precise adjustment, which means that PAEC is the perfect choice for cold and freezer room applications and also for use in air conditioned premises, for example, to separate the outside from the inside.

- Very low operating costs can be achieved thanks to the combination of EC motors and Frico's unique fan geometry.
- Stepless airflow control.
- Easy installation with 1,5 m 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 enamelled steel panels. Plastic ends. Colour front: white, RAL 9016, NCS S 0500-N. Colour grille, rear section, ends and brackets: grey, RAL 7046.



Optimized airflow with Thermozone technology.

### ✿ Ambient, no heat - PAEC2500 A (IP44)

Type	Output [kW]	Airflow [m³/h]	Sound power* <sup>1</sup> [dB(A)]	Sound pressure* <sup>2</sup> [dB(A)]	Voltage motor [V]	Amperage motor* <sup>3</sup> [A]	Length [mm]	Weight [kg]
PAEC2510A	0	1400	70	33/53	230V~	0,15/0,80	1050	16
PAEC2515A	0	2100	72	37/55	230V~	0,20/0,90	1560	23,5
PAEC2520A	0	2800	71	34/54	230V~	0,30/1,60	2050	32

### ✿ Ambient, no heat - PAEC3200 A (IP44)

Type	Output [kW]	Airflow [m³/h]	Sound power* <sup>1</sup> [dB(A)]	Sound pressure* <sup>2</sup> [dB(A)]	Voltage motor [V]	Amperage motor* <sup>3</sup> [A]	Length [mm]	Weight [kg]
PAEC3210A	0	1950	74	40/58	230V~	0,19/1,15	1068	22
PAEC3215A	0	2700	74	39/58	230V~	0,20/1,20	1578	32
PAEC3220A	0	3800	77	43/61	230V~	0,36/2,30	2068	42

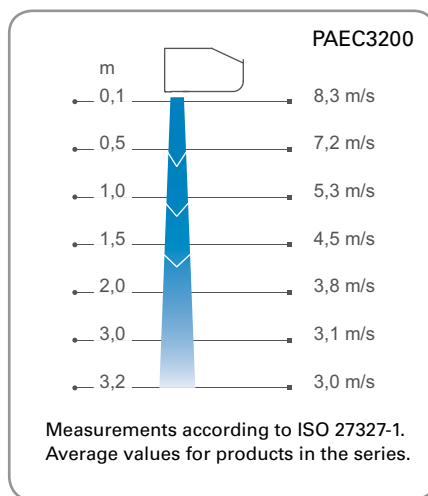
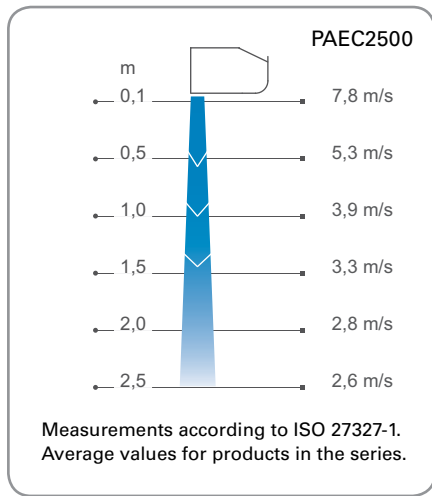
\*<sup>1</sup>) Sound power ( $L_{WA}$ ) measurements according to ISO 27327-2: 2014, Installation type E.

\*<sup>2</sup>) Sound pressure ( $L_{pA}$ ). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m<sup>2</sup>. At 50% and 100% airflow.

\*<sup>3</sup>) Applicable at 50% and 100% airflow.

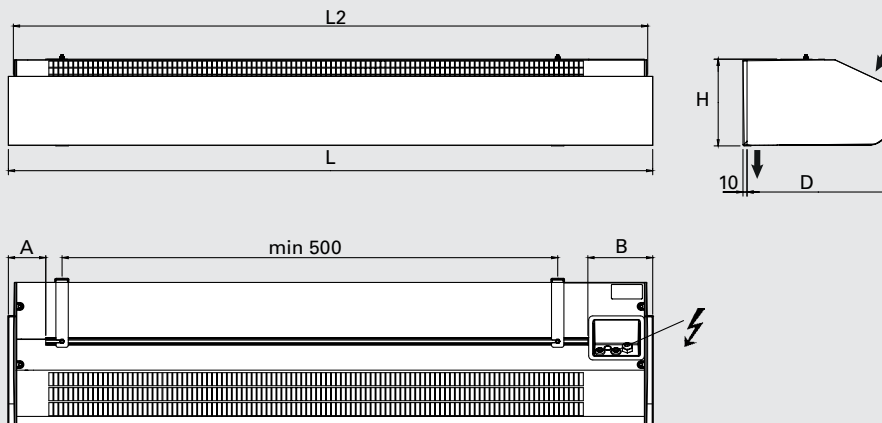
\*) Recommended installation height varies depending on the relevant premises.

Air velocity profile

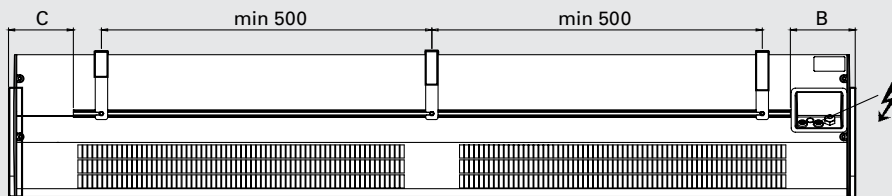


Dimensions

All models



2 metre units



[mm]	L	L2	H	D	A	B	C
<b>PAEC2510</b>	1050	1026	210	345	90,5	157	157
<b>PAEC2515</b>	1560	1536	210	345	90,5	157	157
<b>PAEC2520</b>	2050	2026	210	345	90,5	157	157
<b>PAEC3210</b>	1068	1045	256	458	99	167	165
<b>PAEC3215</b>	1578	1555	256	458	99	167	165
<b>PAEC3220</b>	2068	2045	256	458	99	167	165



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

### Control options

#### Stepless airflow control

The airflow is set manually on the internal potentiometer 0-10V, which is located inside the outlet grille.

#### Stepless airflow control with external potentiometer

The airflow is set manually on an external potentiometer 0-10V.

Control kit:

- PAMP10, external potentiometer

#### 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.

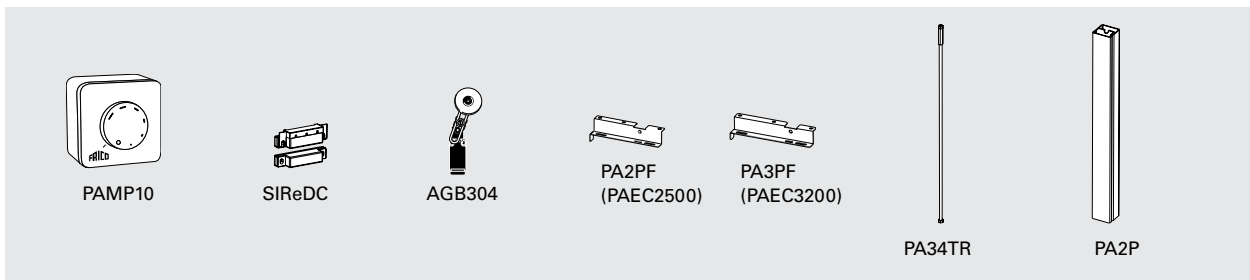
Control kit:

- PAMP10, external potentiometer
- SReDC, door contact or AGB304, position limit switch

#### BMS control

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

### Accessories



#### PAMP10, external potentiometer

Potentiometer for stepless control. The required output voltage is steplessly set between 0-10V. Potential free contact for ON / OFF connection of external equipment. The potentiometer can be installed recessed (IP44) or externally (IP54). PAMP10 can control up to eight units (2 m: four units).

#### 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/PA3PF, 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. Used together with ceiling mounting brackets PA2PF/PA3PF.

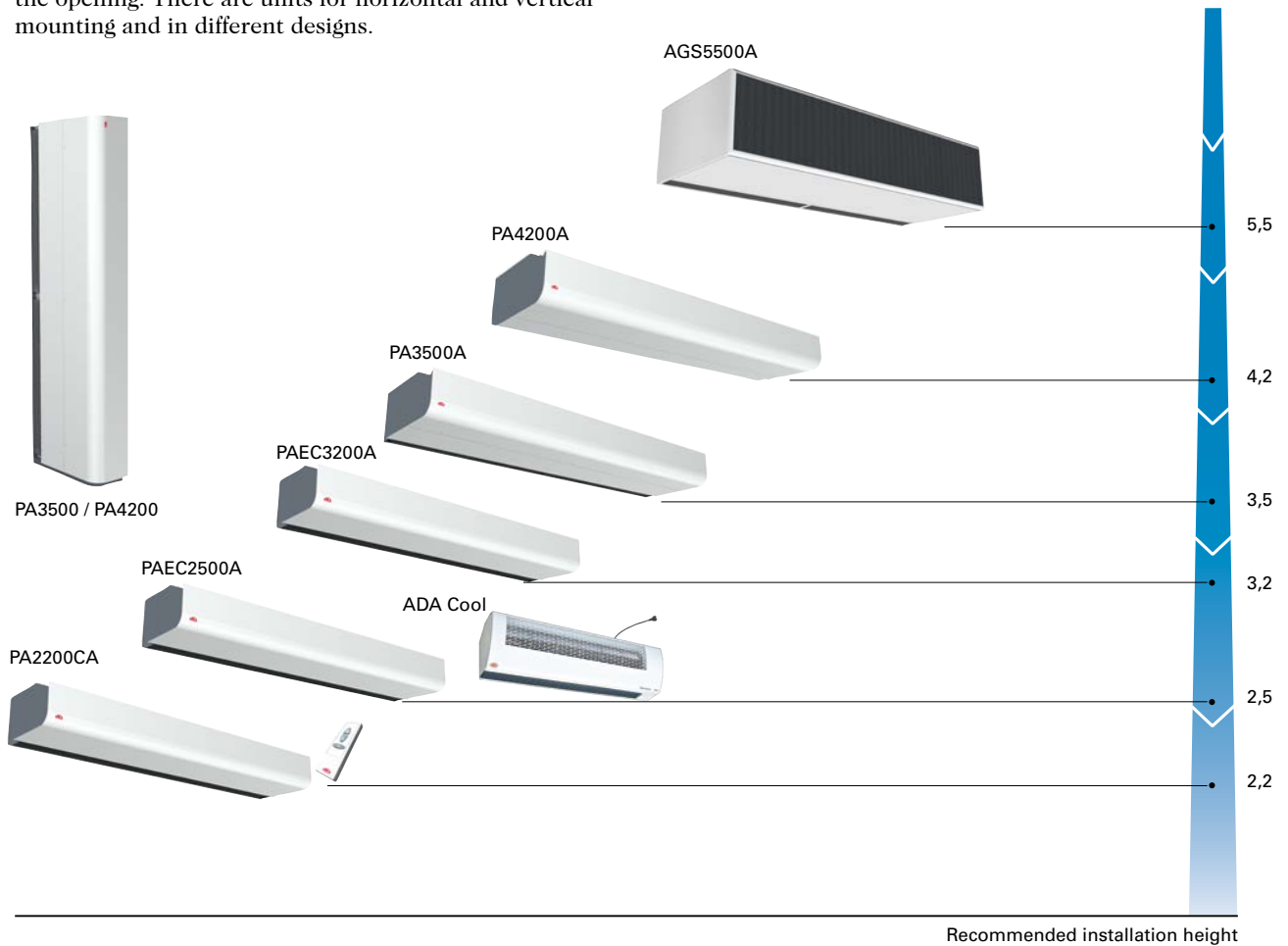
#### PA2P, hanging brackets

Hanging brackets for installing the unit suspended from the ceiling. Length 1 m. 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
PAMP10	External potentiometer		
SReDC	Door contact		
AGB304	Position limit switch, IP67		
PA2PF15	Ceiling mounting brackets for 1 and 1,5 metre units PAEC2500	4	
PA2PF20	Ceiling mounting brackets for 2 metre units PAEC2500	6	
PA3PF15	Ceiling mounting brackets for 1 and 1,5 metre units PAEC3200	4	
PA3PF20	Ceiling mounting brackets for 2 metre units PAEC3200	6	
PA34TR15	Threaded bars for 1 and 1,5 metre units	4	1 m
PA34TR20	Threaded bars for 2 metre units	6	1 m
PA2P15	Hanging brackets for 1 and 1,5 metre units	2	1 m
PA2P20	Hanging brackets for 2 metre units	3	1 m

Our cool models

Frico offers several models without heat that are suitable for keeping the cold in cold storages. Choose the appropriate unit according to the dimensions of the opening. There are units for horizontal and vertical mounting and in different designs.



Special solutions with high IP class available on request.

