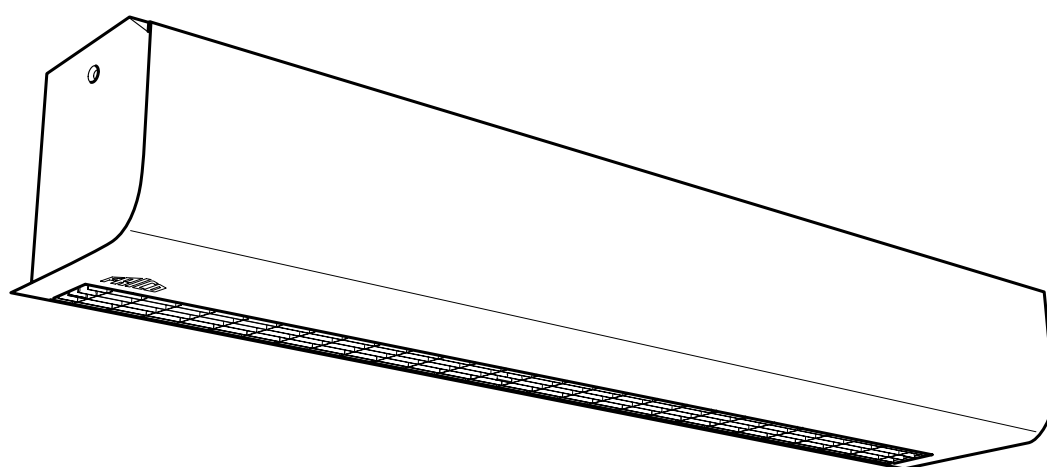


Original instructions

## PA 1006



SE ... 7

GB ... 9

NO ... 11

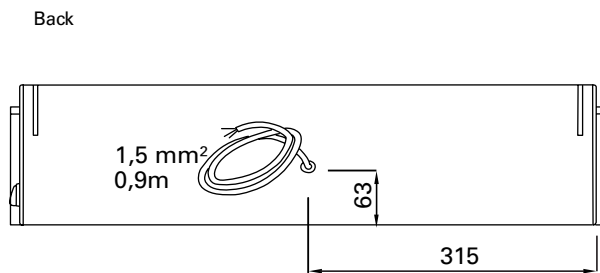
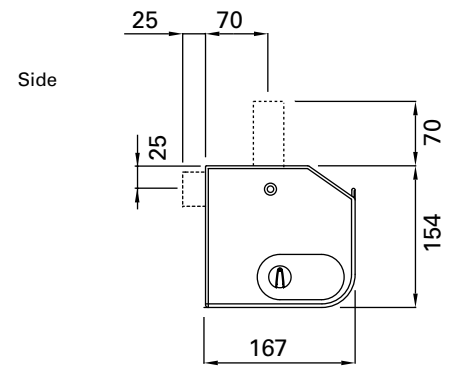
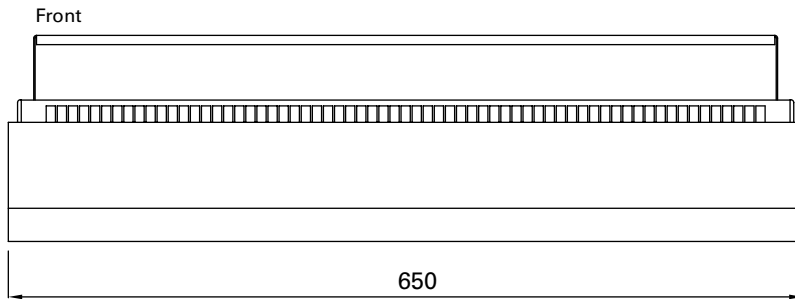
DE ... 13

ES ... 16

FR ... 18

RU ... 21

## Dimensions



### Mounting and installation

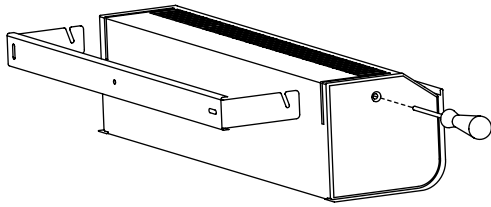
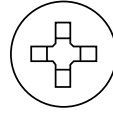


Fig. 1: Mounting with bracket



PH2

PA1006

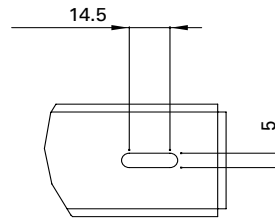
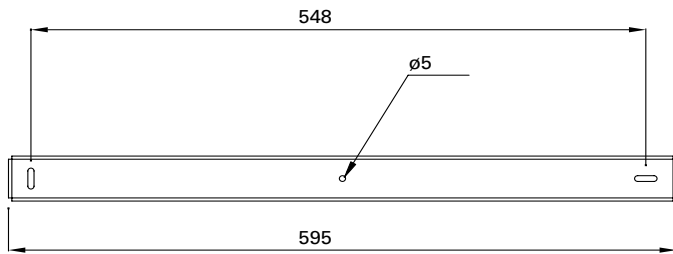
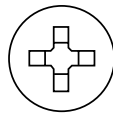
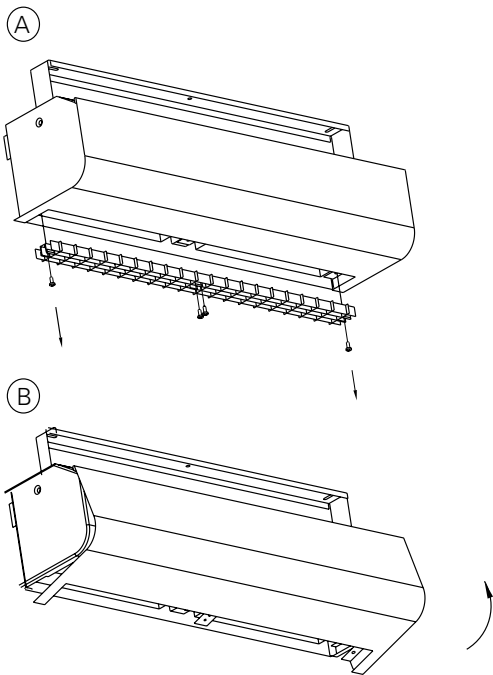


Fig. 2: Bracket dimensions



PH2

Fig. 3: To open

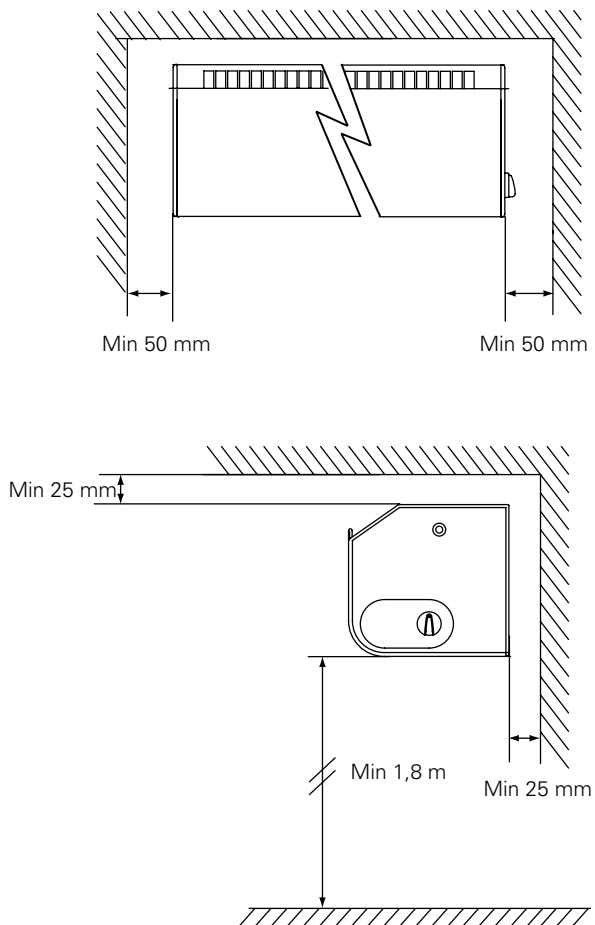
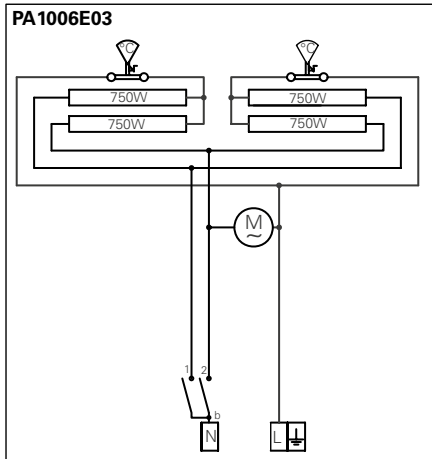
**Minimum distance**

Fig. 4 Minimum distance

## Wiring diagrams PA1006

### Internal



		b	
		1	2
0	OFF	o	
1	✗+ 1,5kW	■	○
2	✗+ 3kW	■	○

⚡ Electrical heat - PA1006 (IP20)

Type	Output steps [kW]	Airflow [m <sup>3</sup> /h]	Δt* <sup>1</sup> [°C]	Sound power* <sup>2</sup> [dB(A)]	Sound pressure* <sup>2</sup> [dB(A)]	Voltage [V]	Amperage [A]	Length [mm]	Weight [kg]
PA1006E03	0/1,5/3	230	39	60	44	230V~	12,8	650	5,3

CE compliant.

GB

\*<sup>1</sup>) Δt = temperature rise of passing air at maximum heat output and highest airflow.

\*<sup>2</sup>) Sound power (L<sub>WA</sub>) measurements according to ISO 27327-2: 2014, Installation type E.

\*<sup>3</sup>) Sound pressure (L<sub>pA</sub>). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m<sup>2</sup>.

SE

\*<sup>1</sup>) Δt = temperaturhöjning på genomgående luft vid maximal värmeeffekt och högt luftflöde.

\*<sup>2</sup>) Ljudeffekt (L<sub>WA</sub>), mätningar enligt ISO 27327-2: 2014, Installationstyp E.

\*<sup>3</sup>) Ljudtryck (L<sub>pA</sub>). Förutsättningar: Avstånd till aggregat 5 meter. Riktningfaktor 2. Ekvivalent absorptionsarea: 200 m<sup>2</sup>.

NO

\*<sup>1</sup>) Δt = temperaturøkning på gjennomstrømmende luft ved maksimal varmeeffekt og høy luftmengde.

\*<sup>2</sup>) Målinger av lydeffekt (L<sub>WA</sub>) i henhold til ISO 27327-2: 2014, Installasjon type E.

\*<sup>3</sup>) Lydtrykk (L<sub>pA</sub>). Betingelser: Avstand til aggregat 5 meter. Retningsfaktor: 2. Ekvivalent absorpsjonsareal: 200 m<sup>2</sup>.

DE

\*<sup>1</sup>) Δt = Temperaturanstieg der vorbeiströmenden Luft bei max. Heizleistung und hohem Volumenstrom.

\*<sup>2</sup>) Schalleistungsmessungen (L<sub>WA</sub>) gemäß ISO 27327-2: 2014, Installationstyp E.

\*<sup>3</sup>) Schalldruck (L<sub>pA</sub>). Bedingungen: Abstand zum Gerät: 5 Meter. Richtungsfaktor: 2. Entsprechende Absorptionsfläche: 200 m<sup>2</sup>.

ES

\*<sup>1</sup>) Δt = incremento de la temperatura derivado del paso del aire a la potencia calorífica máxima y con un caudal de aire alto.

\*<sup>2</sup>) Mediciones de potencia acústica (L<sub>WA</sub>) de conformidad con ISO 27327-2: 2014, Instalación de tipo E.

\*<sup>3</sup>) Presión acústica (L<sub>pA</sub>). Condiciones: 5 metros de distancia a la unidad. Factor direccional: 2. Área de absorción equivalente: 200 m<sup>2</sup>.

FR

\*<sup>1</sup>) Δt = augmentation de température du débit d'air sous un débit et une puissance maximale.

\*<sup>2</sup>) Mesures de la puissance acoustique (L<sub>WA</sub>) selon la norme ISO 27327-2 : 2014, Installation de type E.

\*<sup>3</sup>) Pression acoustique (L<sub>pA</sub>). Conditions : Distance de l'appareil : 5 mètres. Facteur directionnel : 2. Surface d'absorption : 200 m<sup>2</sup>.

RU

\*<sup>1</sup>) Δt = подогрев потока при максимальной мощности и скорости.

\*<sup>2</sup>) Мощность звука (LWA) измерена в соответствии с ISO 27327-2: 2014, Тип установки E.

\*<sup>3</sup>) Звуковое давление (LpA). Условия: Расстояние до прибора 5м. Фактор направленности: 2. Эквивалентная площадь звукопоглощения: 200 м<sup>2</sup>.

GB:	Output steps	GB:	Sound power	GB:	Voltage	GB:	Length
SE:	Effektsteg	SE:	Ljudeffekt	SE:	Spänning	SE:	Längd
NO:	Effekttrinn	NO:	Lydeffekt	NO:	Spenning	NO:	Lengde
DE:	Abgabestufen	DE:	Schalleistung	DE:	Spannung	DE:	Länge
ES:	Niveles de potencia	ES:	Potencia acústica	ES:	Tensión	ES:	Longitud
FR:	Etages de puissance	FR:	Puissance acoustique	FR:	Tension	FR:	Longueur
RU:	Ступени мощности	RU:	Мощность звука	RU:	Напряжение	RU:	Длина

GB:	Airflow	GB:	Sound pressure	GB:	Amperage	GB:	Weight
SE:	Luftflöde	SE:	Ljudtryck	SE:	Ström	SE:	Vikt
NO:	Luftmengde	NO:	Lydtrykk	NO:	Strøm	NO:	Vekt
DE:	Volumenstrom	DE:	Schalldruck	DE:	Stromstärke	DE:	Gewicht
ES:	Caudal de aire	ES:	Presión acústica	ES:	Intensidad	ES:	Peso
FR:	Débit d'air	FR:	Pression acoustique	FR:	Intensité	FR:	Poids
RU:	Расход воздуха	RU:	Звуковое давление	RU:	Ток	RU:	Вес

## Assembly and operating instructions

### General Instructions

Read these instructions carefully before installation and use. Keep this manual for future reference.

*The guarantee is only valid if the units are used in the manner intended by the manufacturer and in accordance with the mounting and operating instructions.*

### Application area

PA1006 is a compact door heater which heats the incoming air and gives increased comfort on the inside. When wall mounted, the unit acts as a stationary fan heater.

Protection class: IP20

### Operation

Air is drawn in at the top/rear of the unit and blown out downwards/outwards.

### Applies to door heater 0.6 m

The hot air heats the air that enters through the opening/door and provides good comfort.

### Installation

The unit is installed horizontally with the supply air grille facing downwards.

Position as close to the opening as possible for the best effect.

The unit can be angled using the enclosed bracket, which is used for both wall and ceiling mounting. When mounted on the wall it is possible to angle the heater up to 30° to give even heat distribution in the room.

For minimum measurements, see diagram 4.

1. Fit the bracket on the wall or on the ceiling.
2. Guide the unit onto the bracket through the opening at the rear or on top.
3. The unit is secured by guiding the slot

in the bracket over the screw (PH2) inside the unit and then tightening the screw from outside of the unit. See diagram 1 och 2.

### Electrical installation

The unit is designed for permanent installation and is connected via cable (1,5 mm<sup>2</sup>, 0,9 m) without plug, at the rear of the unit. 16 A fuse protection is required for 3 kW.

The installation, which should be preceded by an omnipolar switch with a contact separation of at least 3 mm, should only be wired by a competent electrician and in accordance with the latest edition of IEE wiring regulations.

Output [kW]	Voltage [V]	Minimum area [mm <sup>2</sup> ]
3	230V~	2,5





### Start-up (E)

When the unit is used for the first time or after a long period of disuse, smoke or odour may result from dust or dirt that has collected on the element. This is completely normal and disappears after a short time.

### Regulation

Unit 0.6 m features an integrated fan and heat selector.

### Positions – regulation

Unit 0,6 m 3 kW	0	Off
	 	High speed 1,5 kW
	 	High speed 3 kW

### Service, repairs and maintenance

For all service, repair and maintenance first carry out the following:

1. Disconnect the power supply.
2. Loosen the screws on the intake grille and remove grille. See A, fig. 3.
3. Lift the front. See B, fig. 3.

## Maintenance

Since fan motors and other components are maintenance free, no maintenance other than regular cleaning is necessary. The frequency of cleaning can vary depending on local conditions, but undertake cleaning at least twice a year. Inlet and exhaust grilles and impeller can be vacuum cleaned or wiped using a dry cloth. Use a brush when vacuuming to prevent damaging sensitive parts. Avoid the use of strong alkaline or acidic cleaning agents.

## Overheating

The air curtain unit is equipped with an overheat protector. If this is deployed due to overheating, reset as follows:

1. Disconnect the electricity using the omnipolar switch.
2. Allow the electrical coil to cool.
3. Determine the cause of overheating and rectify the fault.

Once the power has been disconnected the unit can be started again.

## Troubleshooting

If the fans are not blowing enough, check the following:

1. Operating power supply to the unit; check fuses, circuit-breaker, time switch that starts and stops the unit.
2. That the intake grille is not dirty.

If there is no heat, check the following:

1. That the heat demand exists; check thermostat settings and actual temperature.
2. That the overheat protection for the motors has not been deployed

If the fault cannot be rectified, please contact a qualified service technician.

## Residual current circuit breaker (E)

When the installation is protected by means of a residual current circuit breaker, which trips when the appliance is connected, this may be due to moisture in the heating element. When an appliance containing a heater element has not been used for a long period or stored in a damp environment, moisture can enter the element.

This should not be seen as a fault, but is simply rectified by connecting the appliance to the mains supply via a socket without a safety cut-out, so that the moisture can be eliminated from the element. The drying time can vary from a few hours to a few days. As a preventive measure, the unit should occasionally be run for a short time when it is not being used for extended periods of time.

## Safety

- *For all installations of electrically heated products should a residual current circuit breaker 300 mA for fire protection be used.*
- *Keep the areas around the air intake and exhaust grilles free from possible obstructions!*
- *During operation the surfaces of the unit are hot!*
- *The unit must not be fully or partially covered with clothing, or similar materials, as overheating can result in a fire risk!*
- *This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.*









**Main office**

Frico AB  
Box 102  
SE-433 22 Partille  
Sweden

Tel: +46 31 336 86 00

mailbox@frico.se  
www.frico.se

**For latest updated information and information  
about your local contact: [www.frico.se](http://www.frico.se)**