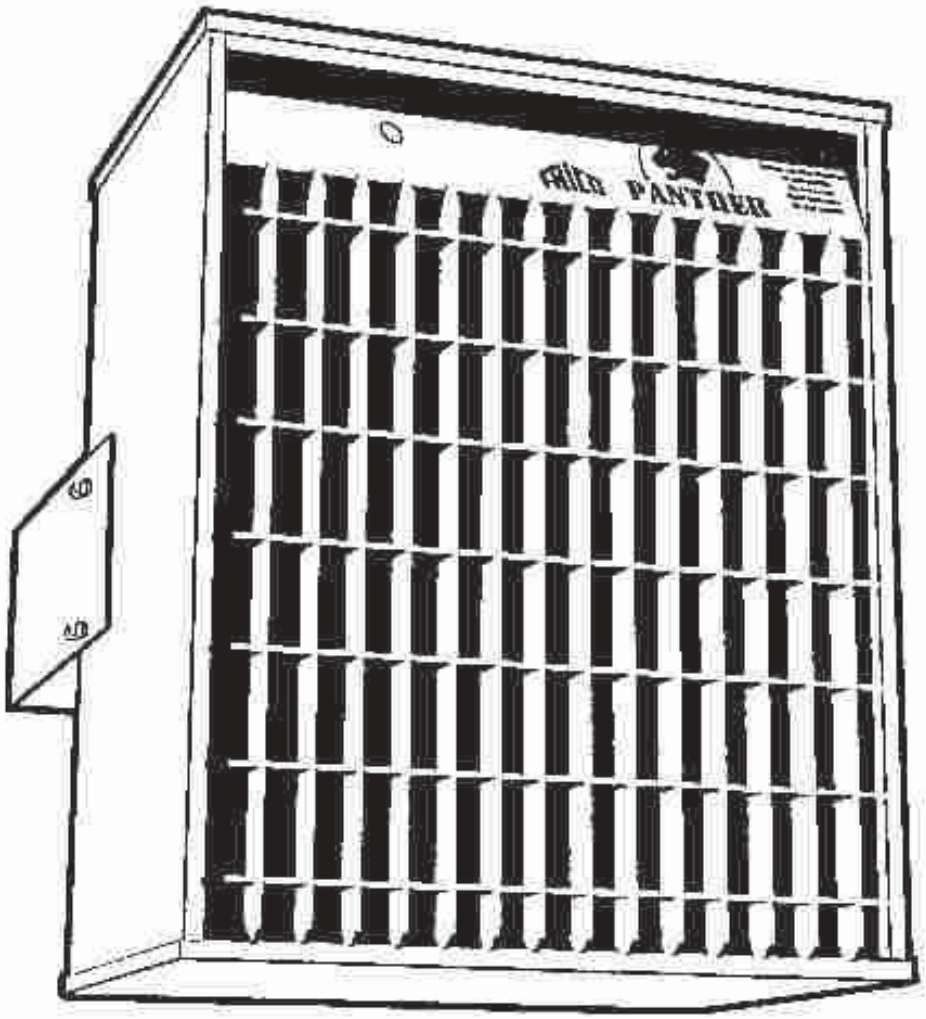
Panther 20-30kW



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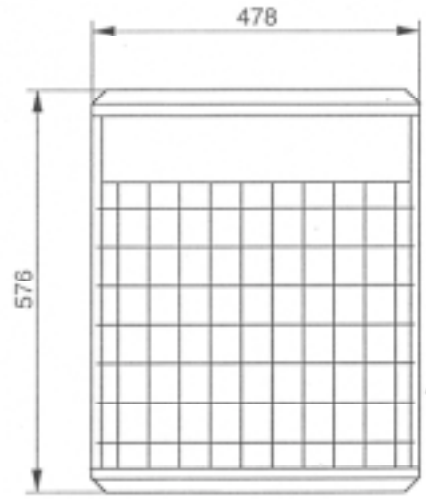

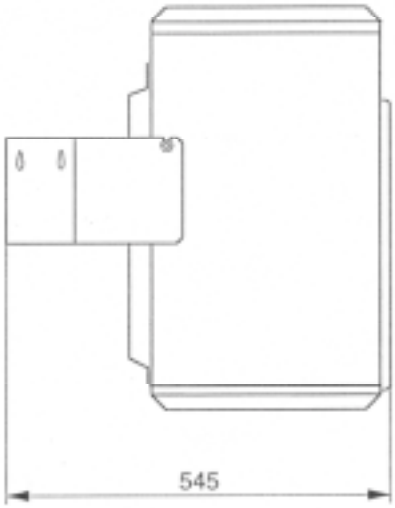

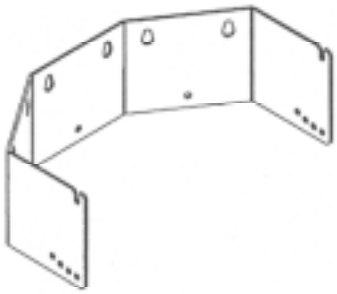

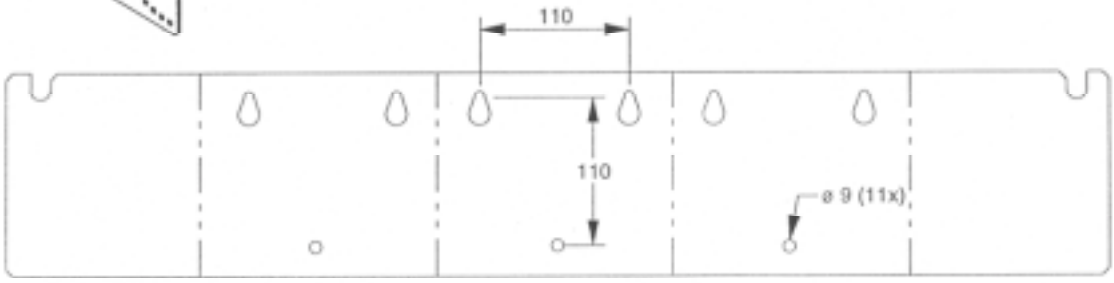

Fig. 1

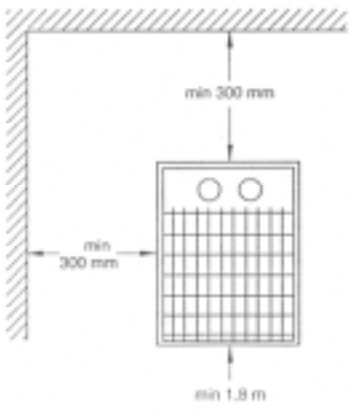

Fig. 2

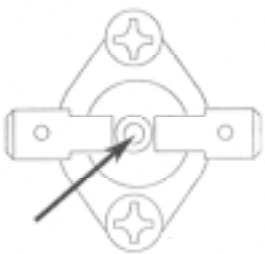

Fig. 3

Panther 20-30kW

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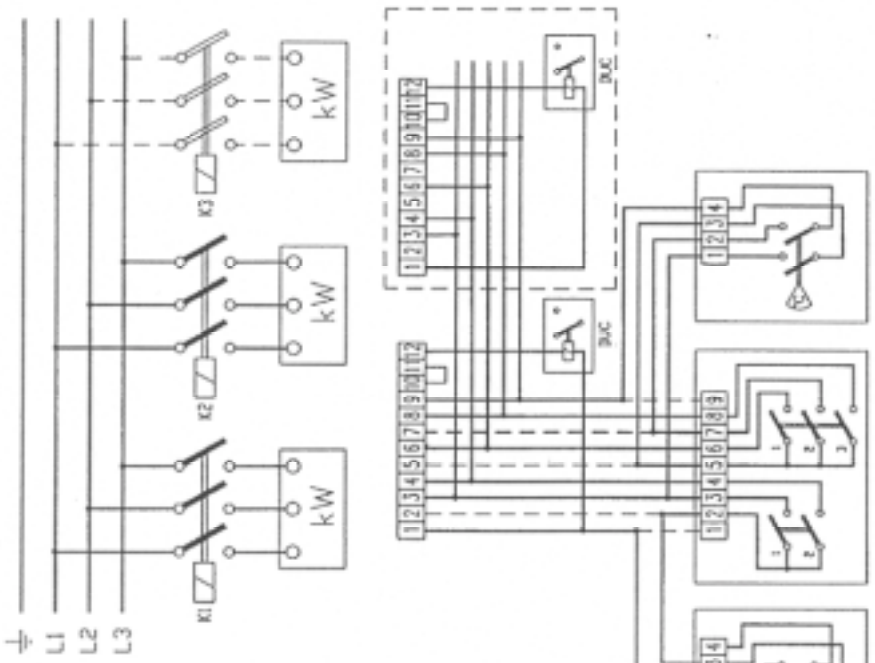

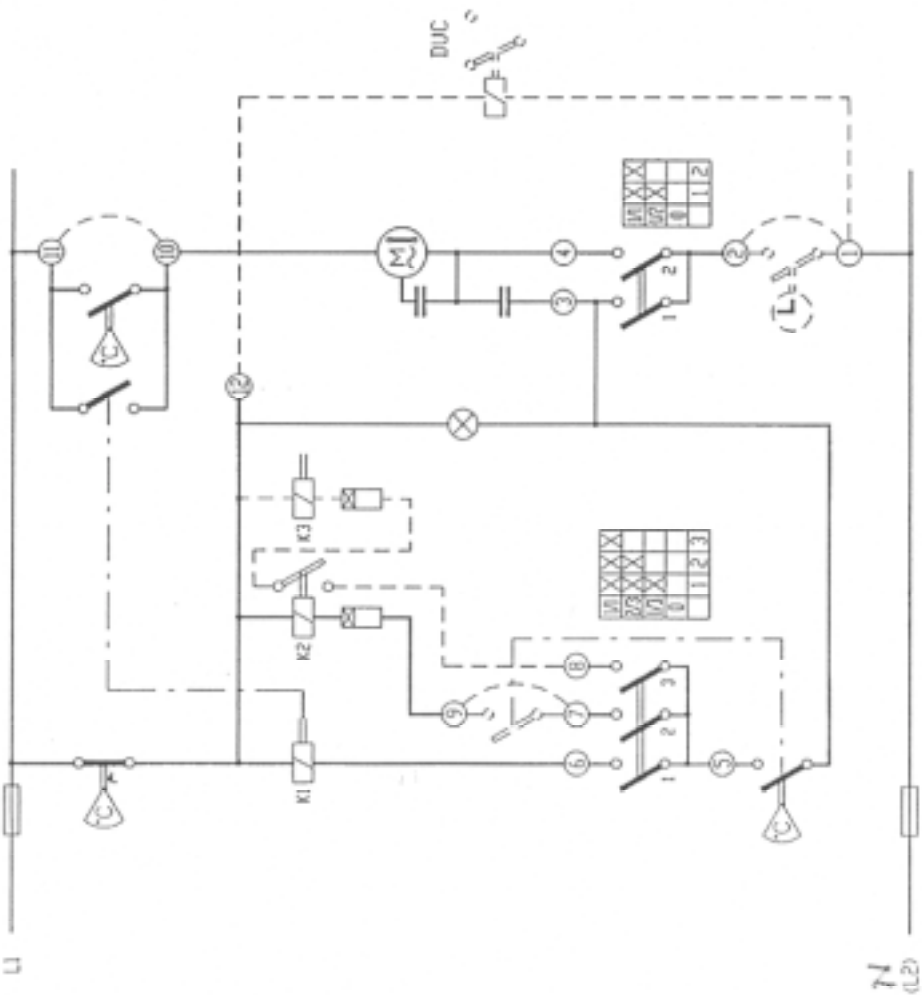

Panther 20-30kW

SE FI DE NL GB

Typ		SE 20	SE 30
Effekt	kW	20	30
Anslutningsspänning	V	400V3N~	400V3N~
Strömstyrka	A	29,5	43,9
Effektväljarens lägen	kW	0 - 10 - 20	0 - 10 - 20 - 30
Temperaturhöjning på genomgående luft	°C	31–23	47–34
Luftflöde	m³/h	1900–2600	1900–2600
Vikt	kg	27	31

Tyyppi		SE 20	SE 30
Teho	kW	20	30
Liitäntäjännite	V	400V3N~	400V3N~
Virta	A	29,5	43,9
Tehoportaat	kW	0 - 10 - 20	0 - 10 - 20 - 30
Läpikulkevan ilman lämpötilan nousu	°C	31–23	47–34
Ilmavirta	m³/h	1900–2600	1900–2600
Paino	kg	27	31

Typ		SE 20	SE 30
Leistung	kW	20	30
Anschlußspannung	V	400V3N~	400V3N
Stromstärke	A	29,5	43,9
Heiztufen des Leistungswählers	kW	0 - 10 - 20	0 - 10 - 20 - 30
Temperaturerhöhung der durchströmenden Luft	°C	31–23	47–34
Luftstrom	m³/h	1900–2600	1900–2600
Gewicht	kg	27	31

Type		SE 20	SE 30
Vermogen	kW	20	30
Aansluitspanning	V	400V3N~	400V3N~
Stroomsterkte	A	29,5	43,9
Standen van de potmeter	kW	0 - 10 - 20	0 - 10 - 20 - 30
Temperatuurverhöging doorstromende lucht	°C	31–23	47–34
Luchtdoorstroming	m³/h	1900–2600	1900–2600
Gewicht	kg	27	31

Type		SE 20	SE 30
Power	kW	20	30
Voltage	V	400V3N~	400V3N~
Current	A	29,5	43,9
Power stages	kW	0 - 10 - 20	0 - 10 - 20 - 30
Temperature increase of outgoing air at full power	°C	31–23	47–34
Air flow	m³/h	1900–2600	1900–2600
Weight	kg	27	31

Panther 20-30kW

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Type		SE 2023	SE 20	SE 3023	SE 30
Effekt	kW	20	20	30	30
Tilkoblingsspenning	V	230V3~	400V3N~	230V3~	400V3N~
Strømstyrke	A	50,8	29,5	75,9	43,9
Effektvelgerens posisjoner	kW	0 - 10 - 20	0 - 10 - 20	0 - 10 - 20 - 30	0 - 10 - 20 - 30
Temperaturøkning på gjennomgående luft	°C	31–23	31–23	47–34	47–34
Luftmengde	m³/h	1900–2600	1900–2600	1900–2600	1900–2600
Vekt	kg	27	27	31	31

Type		SE 2023	SE 20	SE 3023	SE 30
Puissance	kW	20	20	30	30
Tension d'alimentation	V	230V3~	400V3N~	230V3~	400V3N~
Intensité	A	50,8	29,5	75,9	43,9
Sélecteur de puissance	kW	0 - 10 - 20	0 - 10 - 20	0 - 10 - 20 - 30	0 - 10 - 20 - 30
Augmentation de température de l'air circulant	°C	31–23	31–23	47–34	47–34
Débit d'air	m³/h	1900–2600	1900–2600	1900–2600	1900–2600
Poids	kg	27	27	31	31

Тип		SE 2023	SE 20	SE 3023	SE 30
Мощность	кВт	20	20	30	30
Напряжение от сети	В	230V3~	400V3N~	230V3~	400V3N~
Сила тока	А	50,8	29,5	75,9	43,9
Положение переключателя мощности	кВт	0 - 10 - 20	0 - 10 - 20	0 - 10 - 20 - 30	0 - 10 - 20 - 30
Повышение температуры проходящего воздуха	°C	31–23	31–23	47–34	47–34
Поток воздуха	м3/час	1900–2600	1900–2600	1900–2600	1900–2600
Вес	кг	27	27	31	31

Application area
The heater fans type PANTHER are not intended for anything other than to heat buildings. The fans are suitable for use in areas such as warehouses. workshops, etc. The heater fans are approved by SEMKO. Protection class: Splashproof design.

Electrical connection
The heater fans have a terminal block for the connection of the permanent mains supply and terminal blocks for an external switch. thermostat and timer. There are four knockouts at the back for the external connections. These should be fitted with a grommet when used to guarantee the protection class.

Installation
Installation shall be permanent and performed by a qualified technician in accordance with applicable directives. The installation shall be preceded by a fully isolating switch with at least a 3 mm contact opening and preferably fitted with a status lamp. Check that the main voltage and the data on the typa plate correspond. The wiring diagram can be found attached to the inside of the top cover and in these assembly instructions.

NOTE! All work should be carried out when the unit is not voltage fed.

Assembly
- The heater fans should be mounted on a wall.
- Note that the minimum spacing as set out in fig. 1. on page 3 must be kept. The heater fan must not be mounted so the output is directed towards the wall, fig.3.
- Loosen the bracket fram the unit by unscrewing the lower screws completely and the upper screws as far as required.
- Mark off and drill holes for the screws as shown in the diagram on page 2.
- Screw in the screws for the keyhole slots until approx. 10 mm remains. Put up the bracket.
- Screw the upper screws into the unit until 10 mm remains.
- Suspend the unit on the bracket and adjust to the desired angle.
- Screw in the lower screws and then tighten all screws.

Operation
Switching the unit on-off. output selection and speed settings are all made using a selector located away from the unit; even a thermostat and other contrals (timer. etc.) are fitted away from the unit.
If the unit does not work the first time it is used the temperature cut-out may have trippad during transport. See ”Overheating”.

Overheating
If the unit overheats the in-built temperature cut-out will trip. Reset the temperature cut-out once the unit has cooled and the fault has been rectified. (Fig. 2)

NOTE! All work inside the unit’s connection area must be carried out by a *qualified technician and while the unit is not voltage ted.*

Maintenance
Normally the heater fan does not require any maintenance. Dirt and dust can however cause overheating and represent a fire risk. Consequently, the unit should be cleaned periodically.

Earth-fault breaker
If the installation is protected by an earth-fault breaker, which trips when the unit is connected, this may be due to moisture in the heating element. When a unit containing a heater element has not been used for a long period and is 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 unit to the mains supply via a socket without an earth-fault breaker so that the moisture can be driven out of the element. The drying time can vary from a few hours to a few days. When the heater shall not be used for a long period a good preventive measure is to occasionally run the heater for a short time.

Safety
- *During operation the surfaces of the unit are hot!*
- *The unit should not be position ed so that inflammable materials can ignite!*
- *The unit must not be partly or fully covered with clothes or similar material as overheating can represent* a *fire risk!*
- *The unit must not be placed directly under* a *permanent wall socket!*

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