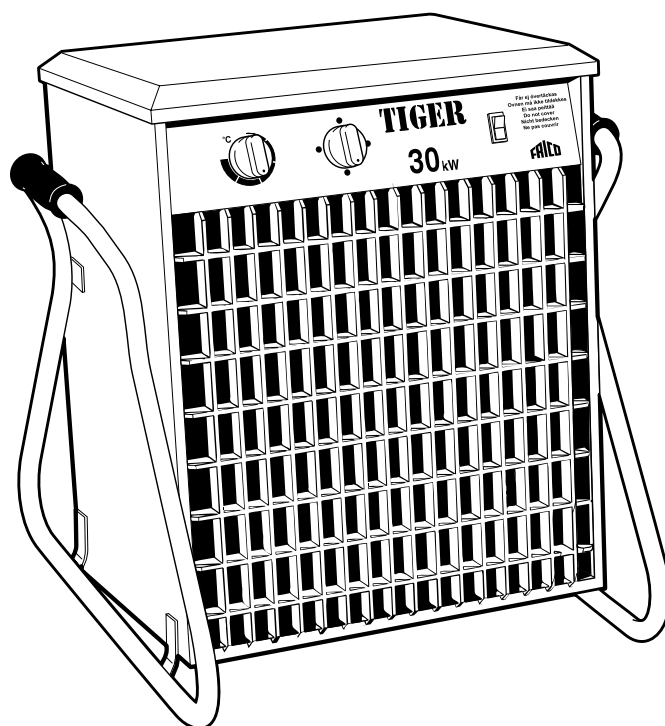


Original instructions
Tiger 20-30 kW



SE ... 5

GB ... 7

NO ... 9

FR ... 11

DE ... 13

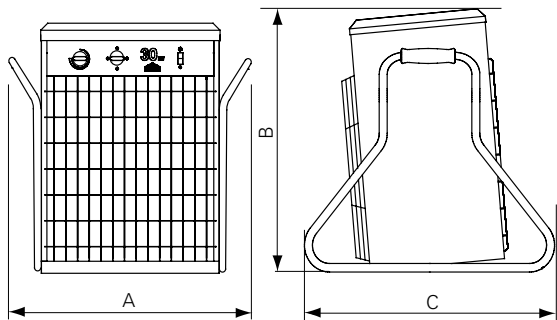
FI ... 15

NL ... 17

RU ... 19

Tiger 20-30 kW

P203, P303, P305



	A	B	C
	[mm]	[mm]	[mm]
P203, P303, P305	630	590	600

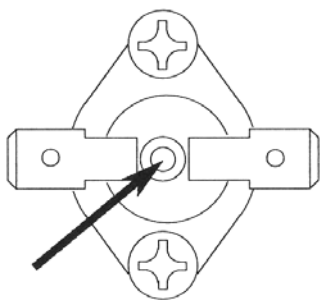
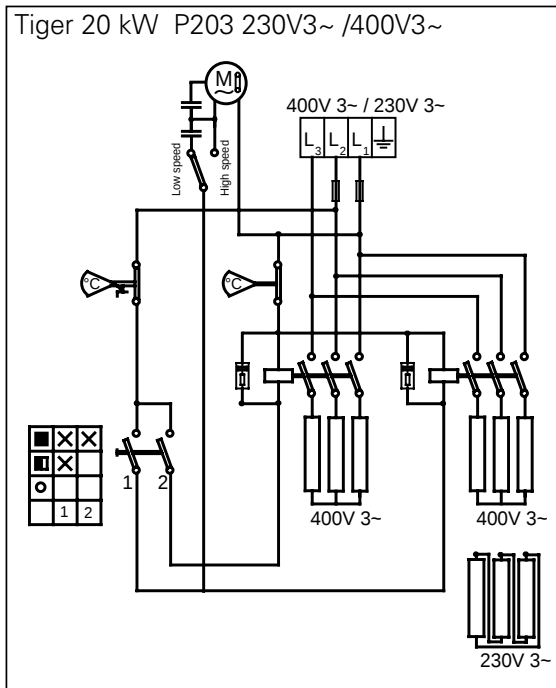
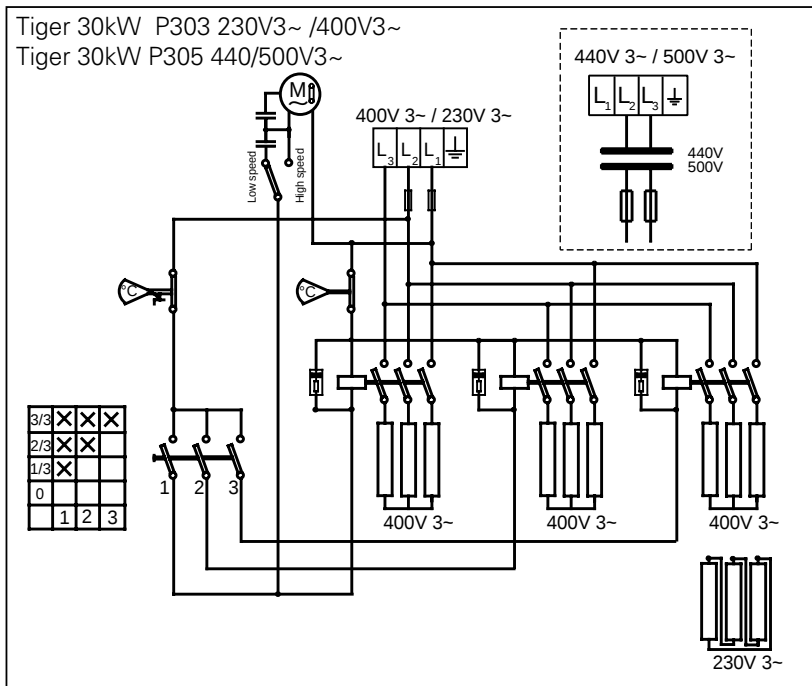


Fig. 1

Tiger 20 kW



Tiger 30 kW



Tiger 20-30 kW

Technical specifications

Fan heater Tiger, 20 and 30 kW ⚡

Type	EL-nr	Output steps [kW]	Airflow [m³/h]	Sound level*1 [dB(A)]	Δt*2 [°C]	Voltage [V]	Amperage [A]	HxWxD [mm]	Weight [kg]
P203	49 307 28	0/10/20	1900/2600	60	31/23	400V3~	29.5	590x630x600	26
P20323	49 307 29	0/10/20	1900/2600	60	31/23	230V3~	50	590x630x600	26
P303	49 307 30	0/10/20/30	1900/2600	52	47/34	400V3~	43.9	590x630x600	30
P30323	49 307 31	0/10/20/30	1900/2600	52	47/34	230V3~	75	590x630x600	30
P305*4		0/7.5/15/23 0/10/20/30	1900/2600	52	36/26 47/34	440V3~*3 500V3~	30.8 35.1	590x630x600	30

*1) Conditions: Distance to the unit 3 metres. Directional factor: 2. Equivalent absorption area: 200 m².

*2) Δt = temperature rise of passing air at maximum heat output and lowest/highest air flow.

*4) Can be connected to 440V3~ and 500V3~

Protection class: IP44.

CE compliant.

GB: Technical specifications	GB: Airflow	GB: Voltage	GB: Weight
SE: Tekniska data	SE: Luftflöde	SE: Spänning	SE: Vikt
NO: Tekniske data	NO: Luftstrøm	NO: Spenning	NO: Vekt
FR: Caractéristiques techniques	FR: Débit d'air	FR: Tension	FR: Poids
DE: Technische daten	DE: Luftmenge	DE: Spannung	DE: Gewicht
FI: Tekniset tiedot	FI: Ilmavirta	FI: Jännite	FI: Paino
NL: Technische specificaties	NL: Luchtstroom	NL: Voltage	NL: Gewicht
RU: Технические характеристики	RU: Расх.возд.	RU: Напряжение	RU: Вес
GB: Output steps	GB: Sound level	GB: Amperage	
SE: Effektsteg	SE: Ljudnivå	SE: Ström	
NO: Effektrinn	NO: Lydnivå	NO: Strøm	
FR: Puissances	FR: Niveau sonore	FR: Intensité	
DE: Abgabestufen	DE: Geräuschpegel	DE: Strom	
FI: Tehoportaat	FI: Melutaso	FI: Virta	
NL: Capaciteit	NL: Geluidsniveau	NL: Stroomsterkte	
RU: Ур. мощности	RU: Ур. шума*1	RU: Сила тока	

*1) Förutsättningar: Avstånd till aggregat 3 meter. Riktningsfaktor: 2. Ekvivalent absorptionsarea: 200 m².

*2) Δt = temperaturhöjning på genomgående luft vid maximal värmeeffekt och lägst respektive högst luftflöde.

*3) Kan anslutas till 440V3~ och 500V3~.

Kapslingsklass: IP44. CE-märkt.

*1) Forutsetninger: Avstand til aggregat: 3 meter. Retningsfaktor: 2. Ekvivalent absorpsjonsareal: 200 m².

*2) Δt = temperaturøkning på gjennomgående luft ved maksimal varmeeffekt, og laveste respektive høyeste luftstrøm.

*3) Kan kobles til 440V3~ og 500V3~.

Kapslingsklasse: IP44. CE-merket.

*1) Conditions : Distance à l'appareil : 5 mètres. Facteur directionnel : 2. Surface d'absorption équivalente : 200 m².

*2) Δt = augmentation de température de l'air en débit mini/maxi, sous une puissance maximale.

*3) Peut être connecté 440V3~ ou 500V3~.

Indice de protection: IP44. Marquage CE.

*1) Bedingungen: Abstand zum Gerät 3 Meter. Richtungsfaktor: 2. Äquivalente Absorptionsfläche: 200 m².

*2) Δt = Temperaturanstieg der vorbeiströmenden Luft bei max. Heizleistung und niedrigstem/höchstem Volumenstrom.

*3) Kann an 440V3~ und an 500V3~ angeschlossen werden.

Schutzart: IP44. CE-konform.

*1) Mittausjärjestelyt: Etäisyys laitteeseen 3 metriä. Suuntakerroin: 2. Ekvivalentti absorptioala: 200 m².

*2) Δt = läpivirtaavan ilman lämpötilan nousu suurimmalla lämmitysteholla ja pienimmällä/suurimmalla ilmavirralla.

*3) Voidaan kytkeä 440V3~ ja 500V3~ jännitteeseen.

Kotelointiluokka: IP44. CE-merkitty.

*1) Conditioes: Afstand tot de unit 3 meter. Richtingsfactor: 2. Equivalent absorptiegebied: 200 m².

*2) Δt = Temperatuurstijging van de passerende lucht op maximale verwarming en laagste/hoogste luchtstroom.

*3) Kan worden aangesloten op 440V3~ en 500V3~.

Beschermingsklasse: IP44. Voldoet aan CE.

*1) Условия: Расстояние от тепловентилятора 3м. Фактор направленности: 2. Эквивалентная площадь звукопоглощения: 200м².

*2) Δt = увеличение температуры проходящего воздуха при полной мощности.

*3) Может подключаться к сети 440В3~ или 500В3~.

Класс защиты: IP44. Сертифицированы ГОСТ, стандарт CE.

Assembly and operating instructions

General Instructions

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

The product may only be used as set out in the assembly and operating instructions. The guarantee is only valid if the product is used in the manner intended and in accordance with the instructions.

Application area

Tiger is a range of robust and compact fan heaters for professionals with high demands. The Tiger fan heater is portable. Tiger 20 and 30 kW are ideal for heating and drying larger premises such as industrial premises and workshops, where higher outputs are required.

Protection class: IP44.

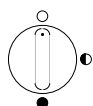
Electrical installation

The Tiger fan heater is equipped with a 1.8 metre long connection cable. P203, P303, P305 are supplied with a cable without a plug. P305 can be connected to both 440V3~ and 500V3~.

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.

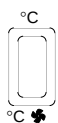
Operation



Position of the output selector, see Technical data.



Working range of the thermostat 5 - 35 °C.



The mode selector has two different fan speed positions.

Mounting

The Tiger fan heater is portable.

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. 1).

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

Maintenance

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

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.

If the unit does not work the first time it is used, the temperature cut-out may have tripped during transport. See "Overheating".

Safety

- *For all installations of electrically heated products should a residual current circuit breaker 300 mA for fire protection be used.*
- *The unit must not be used in the immediate vicinity of baths, showers, washbasins or swimming pools.*
- *During operation the surfaces of the unit are hot*
- *The unit must not be positioned so that inflammable materials as overheating can represent a fire risk*
- *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*
- *This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.*

Main office

Frico AB
Box 102
SE-433 22 Partille
Sweden

Tel: +46 31 336 86 00
Fax: +46 31 26 28 25
mailto:mailbox@frico.se
www.frico.se

**For latest updated information and information
about your local contact: www.frico.se**