metos

ELECTRIC FRYER

OFQE 41
OPCE 61

Installation and Operation Manual

GB

INDEX

INSTALLATION INSTRUCTIONS

WARNINGS

Installation, adjustments and maintenance of the appliances must be done by authorized installers, in accordance with the safety standards in force.

The manufacturer declines any responsibility if such obligation is not observed.

INSTALLATION

Positioning

– The overall/connection dimensions and the technical data are stated in the pages in the appendix.
– Install the appliances only in sufficiently aired rooms.
– Position appliances at least 10 cm from the nearby walls. Such distance can be less when the walls are incombustible or protected by a thermal insulator.
– The appliances are not suitable for built-in installation.

Assembly

– Remove the film which protects the external panels. Any glue remaining on these is to be removed with a suitable solvent.

In line union of the appliances

– Put the appliances next to eachother and level them at the same height.
– Unite the appliances using the special union joint-coverings supplied upon request.

Electrical connections

– The appliances are designed to operate at the voltage indicated on the rating plate.
– Each appliance must be connected to an independent mains supply of suitable capacity (total power indicated in "Technical data" table) via an input terminal board with flexible rubber cable, insulated at a level not below H07RN-F.
– Make sure that the cables lenght allows for the live wires to disconnect from terminal block before the yellow/green ground wire, in case of simultaneous pull.
– Automatic cutout omnipolar switches of suitable capacity (with contacts opening to at least 3 mm) and highly sensitive automatic differential protective devices must be fitted. These must ensure that there is no direct or indirect contact between live components and fault currents and the ground, in accordance with current regulations (maximum admissible leakage current 1 mA/kW).

Earth and unipotential connections

– Appliances must be earthed on terminals marked with the symbol ⏚ .
– Connect the metallic structure of every electrical appliance installed to the terminals, marked by the symbol ⏚ (unipotential system).

Important information specifically relating to appliances in the DROP-IN series

– The appliance must be installed in strict compliance with the directions given in the attached drawings.
– Appliances should only be installed on units made of metal (and not wood and/or other flammable materials).
– Take particular care with the power lead: the channelways must be perfectly smooth with no sharp corners and/or edges. The lead must not, at any point, be subjected to temperatures of more than 50°C above normal room temperature.

START-UP

Function check

– Start-up the appliance following the instructions given; check function regularity and make sure that the controls and heating elements are in good working order, testing them with the various function positions.
– The appliance is equipped with an internal safety thermostat for each well, which cuts off the power supply to the heating elements whenever the main temperature regulator is faulty.
– If necessary consult paragraph "Analysis of several failures".

Nominal heat input check

– After installation and at each maintenance intervention check the heat input of the appliance.
– The nominal heat input is stated in the "Technical data" table.
– The appliance operates at the nominal heat input when the electrical power is the one stated in Table T1.

<u>*ATTENTION*</u> If the power supply value is not within the limits indicated in Table T1, interrupt the operation of the appliance and contact the electricity delivery body.

ANALYSIS OF SEVERAL FAILURES

Heating elements do not heat up

– Check fuse valves
– Main switch off
– Insufficient power or wrong electrical connection
– Temperature regulation thermostat faulty
– Safety thermostat activated (because the main temperature regulator is faulty). To reset the safety thermostat, remove the screw sealing the thermostat access hole on the control panel. Reset the thermostat, pressing with a pointed tool (e.g. slender screwdriver).

Diffcult or lacking temperature adjustment

– Temperature regulation thermostat faulty
– Wrong connection or heating elements faulty (replace faulty element).

REPLACEMENT OF PARTS SUBJECT TO CHANGE

IMPORTANT Before carrying out repairs, unplug appliance from mains disconnecting the main switch.

Sealed components must not be tampered with.

Temperature regulation thermostat and manually-reset safety thermostat
– Drain oil from the relevant well, emptying it completely (see paragraph headed "Oil drainage")
– Remove control panel.
– Loosen thermostat bulb to be changed; this is secured between the heating elements with a flexible clip.
– Disconnect electrical connections between thermostat and other devices
– Change component.

Well heating elements
– Drain oil from the relevant well, emptying it completely (see paragraph headed "Oil drainage")
– Remove control panel and cover protecting harnessing on heating elements.
– Loosen thermostat bulbs which are secured between the heating elements (to remove them, loosen screws securing the supporting plates)
– Disconnect heating element.
– Change component.

USE AND MAINTENANCE

WARNINGS

Caution, appliance with hot surfaces! 

The appliance is for professional use and must be used by trained personnel. It is for the cooking of food. Any other use of the appliance is considered improper.

IMPORTANT: never start up appliance unless the well contains oil.

The installation and adaptation to other voltages (if possible) must be done by qualified and authorized installers.

In case of breakdown diconnect the main switch.

Sealed components must not be tampered with.

For repairs consult only authorized service centres and ask for original spare parts only.

The manufacturer declines any responsability if such obligations are not observed.

Carefully read this booklet and keep it in a safe place. Before using the appliance carefully clean all the surfaces that will come in contact with food.

Furthermore..

Used oil must always be changed to prevent the flame point from lowering and thereby creating a fire risk; in this way, the boiling oil is also less likely to spatter.

Do not fry pieces of food which are large or have not been drained, as these may cause the oil to spit.

Do not use the well when the oil has dropped below the minimum level indicated, as this may cause the oil to catch fire.

Safety devices

Appliances are equipped with following:
– Additional safety thermostat, which automatically cuts off the electricity supply to heating elements and stops the heating function when oil temperature exceeds the maximum working temperature (operating thermostat faulty). If this should occur, cut off the electricity supply to the appliance and contact your nearest customer service centre.
– Safety oil drainage tap against accidental openings during work.

USE

Filling well
– Close the drain cock by turning the control lever to setting ⏛ .
– Pour the oil or fat blocks into the frying well and fill up to the notch indicating the minimum level.
– **IMPORTANT: Do not heat up the fryer unless the well contains oil!**

Operation

To switch on heating (pilot lamp on) turn the temperature regulator knob on the desired working position.

0	off
60 °C	minimum temperature
◡	intermediate temperatures
180 °C	maximum temperature

Switching off heating
– Turn temperature regulator knob on position **"0"** (pilot lamp off).

Oil drainage

Important: The container used for well drainage must be large enough and of heat resistant material.
– Insert the extension hose with the bayonet safety joint (supplied with fryer unit) into the drainage outlet on the well.
– Move the control lever on the drain cock to setting ⏛↓ (pressing the lever down and pulling it forward).

CLEANING AND MAINTENANCE

– Before any cleaning operation disconnect the electrical supply (if present).
– It is necessary to avoid rusty water being in contact with stainless steel surfaces. Therefore

before filling wells with water open water tap and let water flow until it is perfectly clear.
- Clean stainless steel surfaces daily with water and non abrasive common detergents, rinse well and dry thoroughly.
- Do not use iron scouring pads or chlorate products.
- Do not use sharp objects which can scratch and ruin the steel surface.
- Do not use corrosive products to clean the floor under the appliance.
- Do not wash the appliance with water jets.
- Before a long period of inactivity disconnect the main switch. Proceed to its thorough cleaning.
- At least twice a year, ask for the intervention of an authorized technician authorized for checking the appliance. It is advisable in any case to stipulate a maintenance contract.

LIST OF PARTS SUBJECT TO REPLACEMENT

- Heating elements
- Safety thermostats
- Temperature regulation thermostats
- Temperature regulation thermostat knobs
- Oil drainage cock
- Switch
- Contactor

TEKNISET TIEDOT - TEKNISKA DATA - TECHNICAL DATA

T1.1 (Mod. OFQE-41.../61...)

MOD.	kW ❍	V	A	H 07 RN-F	Ø MIN MAX mm	▲ Altaan tilavuus MAX l.	● Täyttö-määrä MAX kg
OFQE-41	9	3NAC 400V	13	5 x 1,5	12 ÷ 18	10	1,5
OFQE-61	18	3NAC 400V	26	5 x 4	12 ÷ 18	10 + 10	1,5 + 1,5

❍ Kokonaisteho - Totaleffekt - Total power

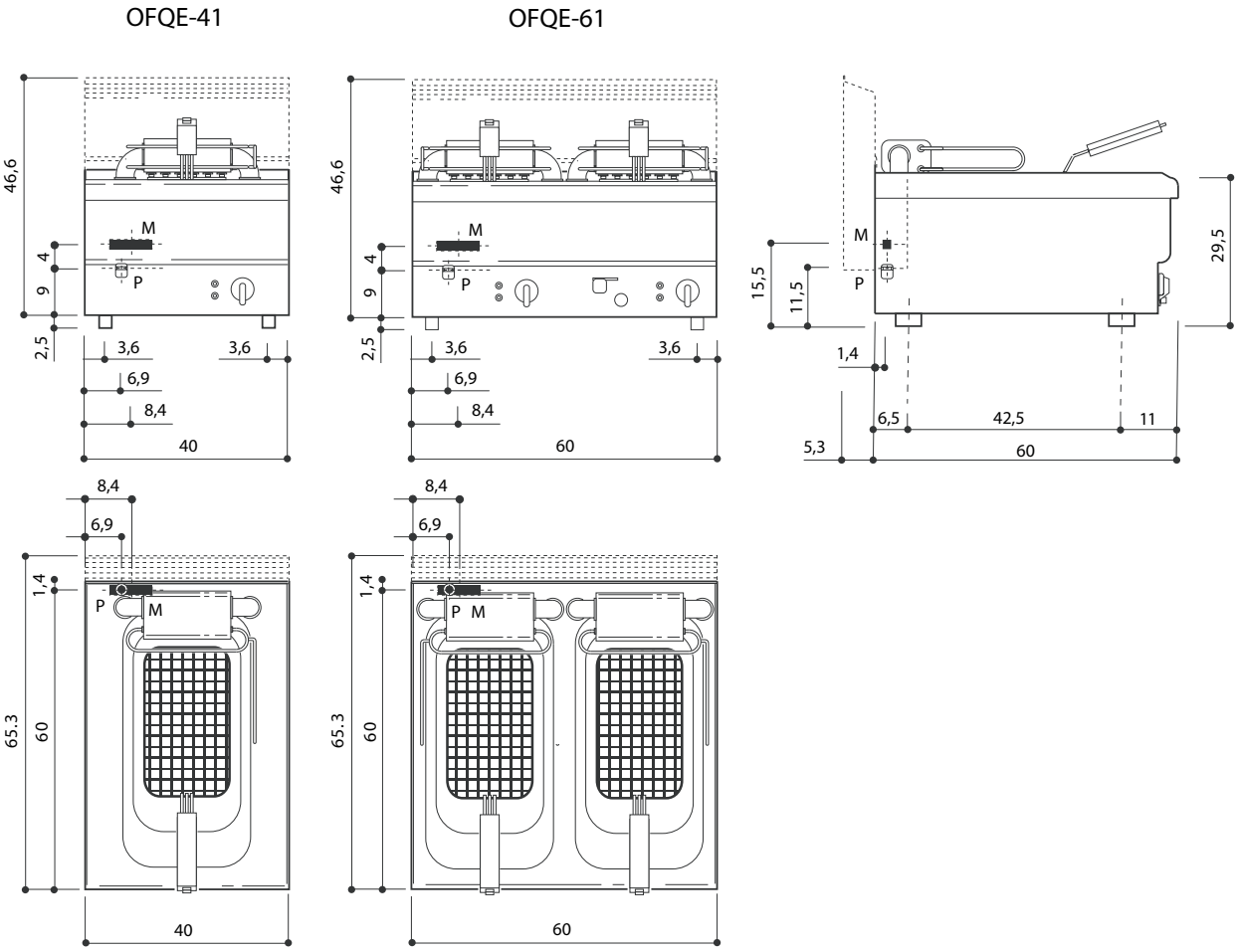
▲ Behållarens volym max. - Max. capacity

● Påfyllnadsmängd max. - Max. storage capacity

OFQE-41, OFQE-61

ASENNUSKUVA - INSTALLATIONBILD - INSTALLATION DIAGRAM

(Mitat cm - Mått cm - Measurements cm)



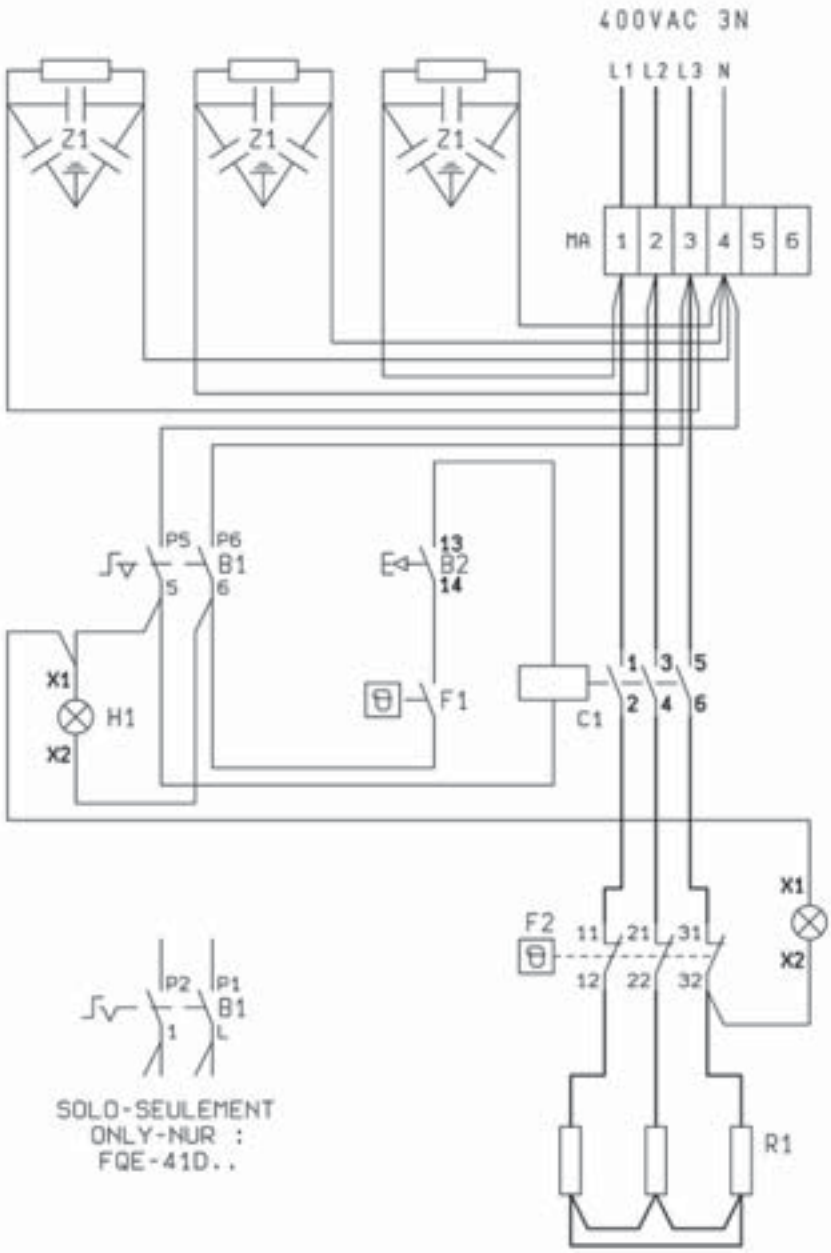
M Verkkoliitin - Nätanslutning - El. power connection blocks

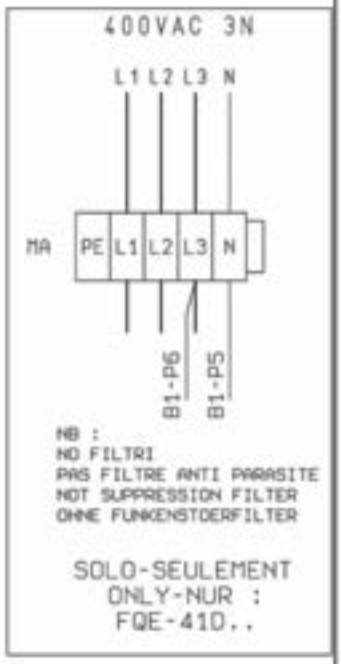
P Sähkökaapelin vedonpoisto - Dragavlastare - Electric cable stress relief

DIS.N. 1049114314
DATA 06-02-1998

MOD. FQE-41

OFQE-41
FQE-41D..





SOLO-SEULEMENT
ONLY-NUR :
FQE-41D..

B1	INTERRUTTORE	INTERRUPTEUR	CUT-OFF SWITCH	KYTKIN
B2	MICROINTERRUTTORE	MICRO-INTERRUPTEUR	MICROSWITCH	MIKROKYTKIN
C1	CONTATTORE	CONTACTEUR	CONTACTOR	KONTAKTORI
F1	TERMOSTATO DI LAVORO	TERMOSTATE	THERMOSTAT	TERMOSTAATTI
F2	TERMOSTATO DI SICUREZZA	TERMOSTATE DE SICURITE'	SAFETY THERMOSTAT	TURVATERMOSTAATTI
H1	LAMPADA SPIA VERDE	LAMPE TEMOIN VERT	GREEN PILOT LAMP	VIHREÄ MERKKILAMPPU
H2	LAMPADA SPIA ARANCIO	LAMPE TEMOIN ORANGE	ORANGE PILOT LAMPE	ORANSI MERKKILAMPPU
MA	MORSETTIERA ARRIVO LINEA	BORNES ARRIVEE LIGNE	TERMINAL BLOCK	VERKKOLIITIN
R1	RESISTENZA	RESISTANCE	HEATING ELEMENT	LÄMMITYSVASTUS
Z1	FILTRO ANTIDISTURBO	FILTRE ANTI PARASITE'	SUPPRESSION FILTER	VERKKOSUODIN

DESCRIZIONE MODIFICA	DATA	FIRMA	MOD.
AGGIUNTO MODELLI DROP-IN	16.01.02	NARDINI	-
AGGIUNTO MODELLO OLIS	27.07.05	NARDINI	-

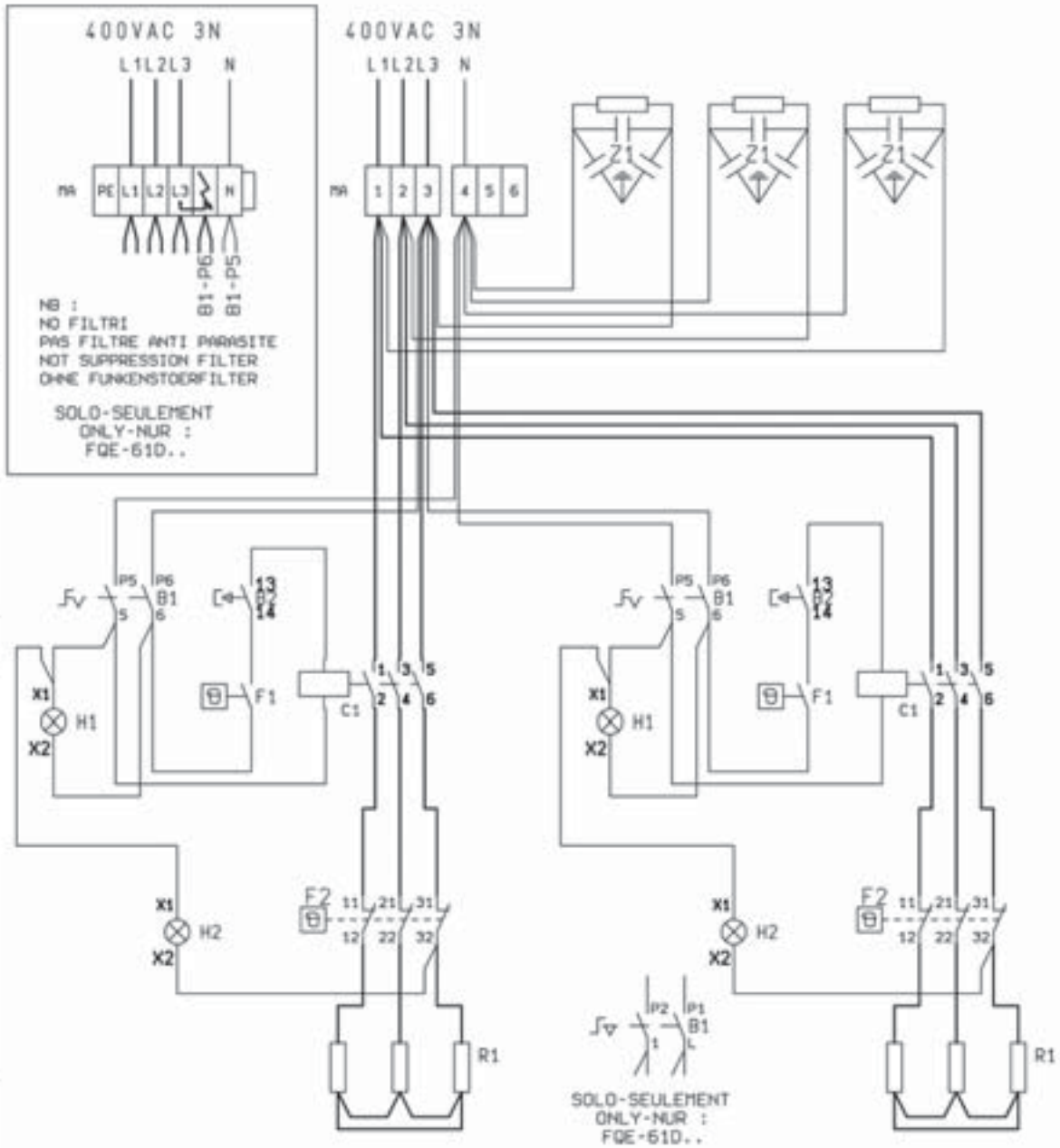
DISEGNATO DA: NARDINI
APPROVATO DA:

POTENZA TOTALE-PUISSANCE TOTALE
HEAT IMPUT-ANSCHLUSSWERT

	400 VAC	3N	13 A	
9 KW	XX VAC	XX	XX A	50-60Hz
	XX VAC	XX	XX A	

OFQE-61
FQE-61D..

DIS.N. 1049114414
DATA 06-06-1998
MOD. FQE-61



B1	INTERRUTTORE	INTERRUPTEUR	CUT-OFF SWITCH	KYTKIN
B2	MICROINTERRUTTORE	MICRO-INTERRUPTEUR	MICROSWITCH	MIKROKYTKIN
C1	CONTATTORE	CONTACTEUR	CONTACTOR	KONTAKTORI
F1	TERMOSTATO DI LAVORO	TERMOSTATE	THERMOSTAT	TERMOSTAATTI
F2	TERMOSTATO DI SICUREZZA	TERMOSTATE DE SICURITE'	SAFETY THERMOSTAT	TURVATERMOSTAATTI
H1	LAMPADA SPIA VERDE	LAMPE TEMOIN VERT	GREEN PILOT LAMP	VIHREÄ MERKKILAMPPU
H2	LAMPADA SPIA ARANCIO	LAMPE TEMOIN ORANGE	ORANGE PILOT LAMPE	ORANSI MERKKILAMPPU
MA	MORSETTIERA ARRIVO LINEA	BORNES ARRIVEE LIGNE	TERMINAL BLOCK	VERKKOLIITIN
R1	RESISTENZA	RESISTANCE	HEATING ELEMENT	LÄMMITYSVASTUS
Z1	FILTRO ANTIDISTURBO	FILTRE ANTI PARASITE'	SUPPRESSION FILTER	VERKKOSUODIN

MOD.	FIRMA	DATA	DESCRIZIONE MODIFICA
-	NARDINI	16.01.02	AGGIUNTO MODELLI DROP-IN
-	NARDINI	27.07.05	AGGIUNTO MODELLO OLIS

DISEGNATO DA: NARDINI
APPROVATO DA:

POTENZA TOTALE-PUISSANCE TOTALE
HEAT IMPUT-ANSCHLUSSWERT

	400 VAC 3N	26 A	
18 KW	XX VAC XX	XX A	50-60Hz
	XX VAC XX	XX A	