

INSTRUCTION BOOK

ELECTRIC TEA BREWER MACHINE

ESE2
EDE2
EA2



ESE3
TKEDAT3
EA3



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1. SAFETY PRECAUTIONS AND GENERAL INFORMATION BEFORE USE

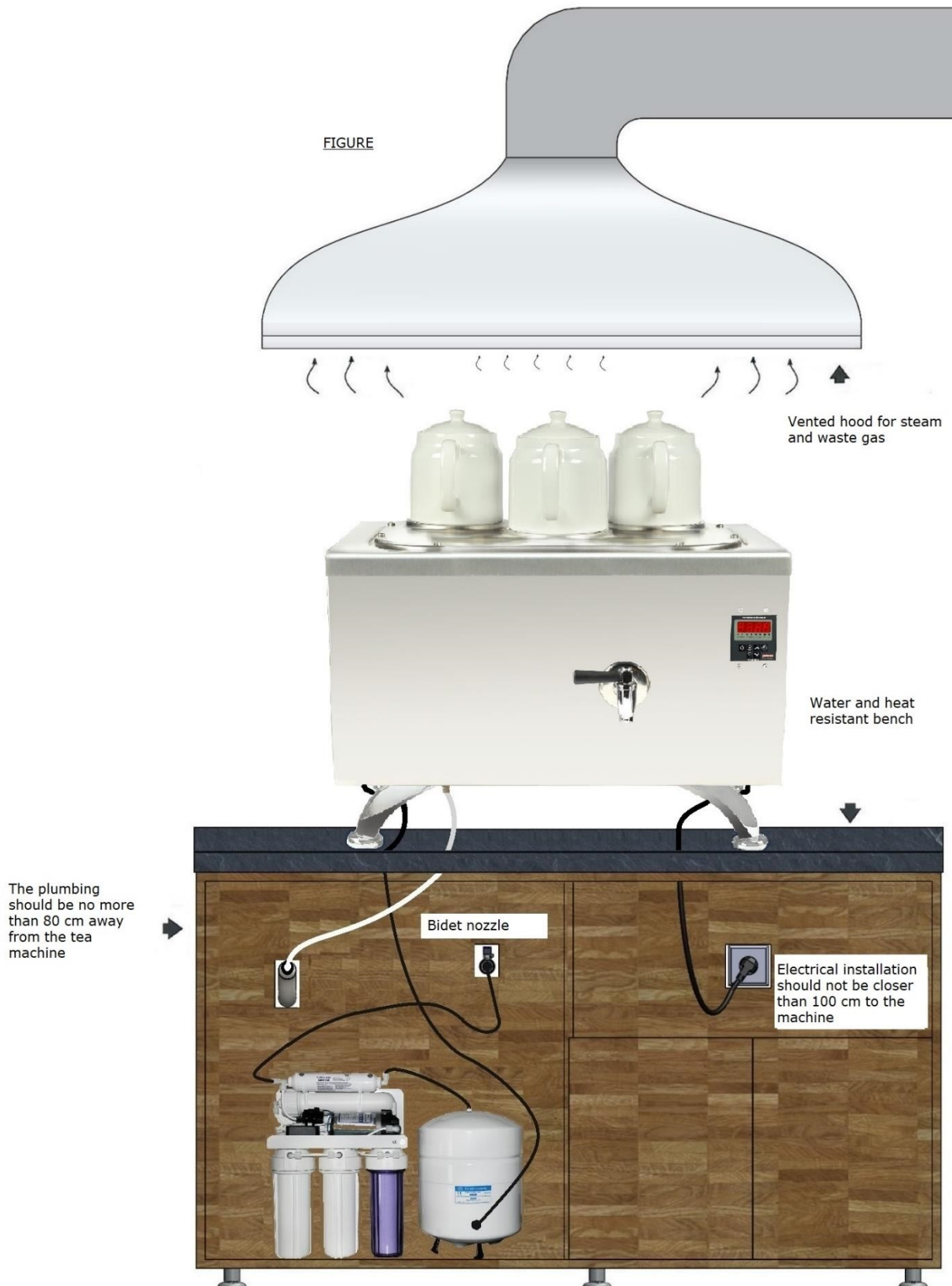
General warnings:

- This machine is designed to brew tea and provide hot water to the tea to be brewed. Do not use for any other purpose.
- **The tea machine should not be used by persons with physical, visual, auditory or mental disabilities, children and persons with lack of experience or knowledge.**
- Electrical, water and drain connections must be ready before installation. All these operations belong to the user. After these operations are ready, call the authorized service for installation.
- **Ensure adequate ventilation in the working environment.**
-

Electrical warnings:

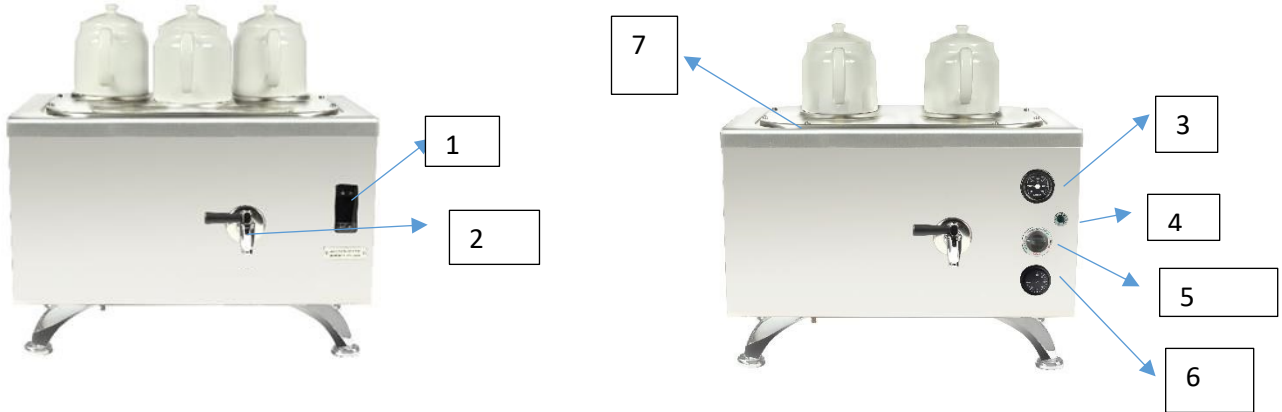
- The mains voltage used must be 220 V, the line fuse must be 25A and pull 3 × 2,5 TTR cable independently from the junction to tea machine.
- **In a fixed installation, a fuse must be provided that separates all poles from the supply network.**
- Use a grounded socket for the use of your machine. The ground resistance must be $5n\Omega \geq$.
- **The power cord must not come into contact with hot surfaces or stand under the foot.**
- If the power cord is damaged, always call the authorized service.

2. WARNING OF AREA OF MACHINE INSTALLATION



3. PRODUCT

3.1. General Appearance



1: Controlling panels: It is the control panel where the machine settings are made. Three different control panels are used in efes tea machines: ANALOG, DIGITAL and SMART.

2: Hot water tap: It is the mechanical part that allows you to get hot water from the machine.

3. Thermometer: Indicates the temperature of the water in the water tank.

4. Electric signal light: Indicates whether the resistor is active.

5. Stepping switch: Turns the machine on and off. And stepping switch activates the resistor.

6. Thermostat: Allows the temperature of the water in the water tank to be adjusted to the specified value.

7. Openable top cover: Keeps the teapots in harmony.

3.2. Safety System Of Machine

Smart water system: it takes the water from the network controlled, it removes the water from the reservoir in small intervals and ensures the machine to operate at the highest performance. It also allows water to be taken from the carboy. When the mains water or water in the carboy is exhausted, the smart system detects this and switches off the electricity and gas to safety mode. In addition, no water overflow in the machine.

Leakage current relay: occupational safety and personnel health is a priority for our business. If there is no grounding in the installation site, our machines will not work. In case of electric leakage, the leakage current relay cuts the electricity coming to the machine and provides safety.

Contactors: It protects the electrical components against the irregular electric current coming to the machine and ensures the safe operation together.

3.3. Technical Features

MODEL
GENERAL FEATURES **SMART CONTROL**

Technical Spec of Electrically operated Tea brewers 2 / 3 pots.

MODEL	
PRODUCT CODES	
EXTERIOR	Stainless Steel / RAL Colors - Static powder coating on Galvanized steel / Copper Plating on Galvanized steel.
CONTROL SYSTEM	Smart Control Board / Programmable features Automatic On- Off for Electric . Setting for each day functions. Friendly use. Temperature Control & Water level Control
TEMPERATURE CONTROL	Digital temperature control
TEMPERATURE INDICATER	Digital indicator
WATER SYSTEM	SWS (ISmart Water System)- Main water connection is by water network. Connection via pump is also possible; to use water from carboy . Thanks to SWS; the system shuts off the electricity; in case of water cut of from network or empty bottle of carboy to protect the machine.
ELECTRIC POWER KW	3 KW (RiCA)
WATER TANK DRANAGE	yes
STRUCTURE of WATER TANK	Seamless stainless steel water tank
Material of Water Tank	Stainless Steel 304 L DDQ 1,2 mm
ELECTRIC SAFETY	25 mA Leakage Current Relay
SAFETY OF COMPONENTS	25 A Contactor
HEAT ISOLATION	Ceramic fiber blanket
HOT WATER TAP	yes
ON -OFF SWICH	yes
FEET	10 cm chrome feet
TANK; WATER CAPACITY	30 Lt
TEA POT	2 or 3 Pots
DIMENSION: W x D x H cm	65 x 35 x 42 cm

MODEL**GENERAL FEATURES****DIGITAL CONTROL**

Technical Spec of Electrically operated Tea brewers 2 / 3 pots.

MODEL**PRODUCT CODES**

TKEDAT3

EXTERIOR

Stainless Steel / RAL Colors - Static powder coating on Galvanized steel / Copper Plating on Galvanized steel.

CONTROL SYSTEM

Digital control Board

TEMPERATURE CONTROL

Digital temperature control

TEMPERATURE INDICATER

Digital indicator

WATER SYSTEM

SWS (ISmart Water System)- Main water connection is by water network. Connection via pump is also possible; to use water from carboy .

Thanks to SWS; the system shuts off the electricity; in case of water cut of from network or empty bottle of carboy to protect the machine.

ELECTRIC POWER KW

3 KW (RiCA)

WATER TANK DRANAGE

yes

STRUCTURE of WATER TANK

Seamless stainless steel water tank

Material of Water Tank

Stainless Steel 304 L DDQ 1,2 mm

ELECTRIC SAFETY

25 mA Leakage Current Relay

SAFETY OF COMPONENTS

25 A Contactor

HEAT ISOLATION

Ceramic fiber blanket

HOT WATER TAP

yes

ON -OFF SWICH

yes

FEET

10 cm chrome feet

TANK; WATER CAPACITY

30 Lt

TEA POT

2 or 3 Pots

DIMENSION: W x D x H cm

57 x 35 x 42 cm

MODEL**GENERAL FEATURES****ANALOG CONTROL**

Technical Spec of Electrically operated Tea brewers 2 / 3 pots.

MODEL**PRODUCT CODES****EXTERIOR**

Stainless Steel / RAL Colors - Static powder coating on Galvanized steel / Copper Plating on Galvanized steel.

CONTROL SYSTEM

Analog control

TEMPERATURE CONTROL

Thermostatically

TEMPERATURE INDICATER

Thermometer

WATER SYSTEM

SWS (ISmart Water System)- Main water connection is by water network. Connection via pump is also possible; to use water from carboy

ELECTRIC POWER KW

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Thanks to SWS; the system shuts off the electricity; in case of water cut of from network or empty bottle of carboy to protect the machine.
3 KW (RiCA)

WATER TANK DRANAGE

yes

STRUCTURE of WATER TANK

Seamless stainless steel water tank

Material of Water Tank

Stainless Steel 304 L DDQ 1,2 mm

ELECTRIC SAFETY

25 mA Leakage Current Relay

SAFETY OF COMPONENTS

25 A Contactor

HEAT ISOLATION

Ceramic fiber blanket

HOT WATER TAP

yes

ON -OFF SWICH

yes

FEET

10 cm chrome feet

TANK; WATER CAPACITY

30 Lt

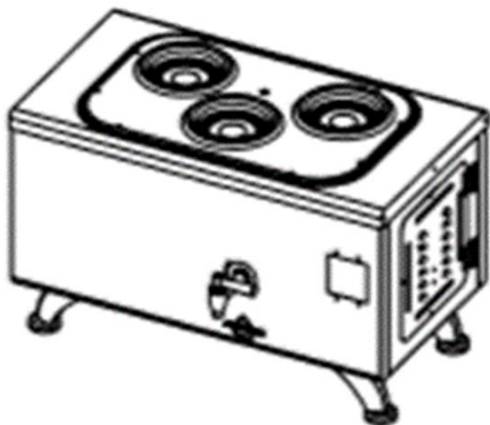
TEA POT

2 or 3 Pots

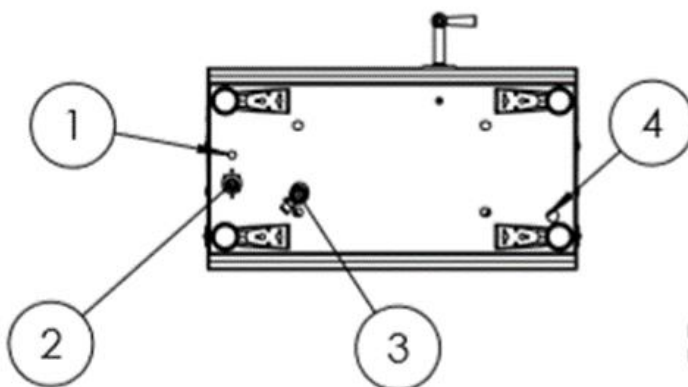
DIMENSION: W x D x H cm

57 x 35 x 42 cm

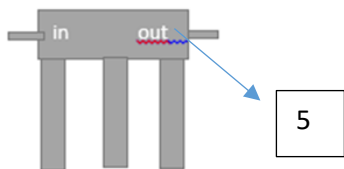
3.4. Installation Instructions



Perspective appearance of machine



Bottom appearance of machine



NUMBER	NAME OF PART
1	Cable entry of submerged pump
2	Water valve-connection of water main supply
3	Drain from water hopper
4	Electric connection
5	Filter of water

Make water and electrical connections of the machine according to the instructions given below.(

Warning: Check the hot water tap on the device, if it is not installed, install it.)

WATER CONNECTION

Water Inlet Connection(1):

You can make the water inlet connection in two different ways.

- A) If a water filter is used; divide the hose coming out of the material box into two pieces. Attach 3/8" fittings to one end of the hose and connect it to the mains. Connect the other end of the hose to the inlet(IN) of the water filter(TABLE 1 NUMBER 5). Connect one end of the other part of the hose to the out of the water filter(TABLE 1 NUMBER 5). Attach 1/2" fittings to one end of the hose and connect to the water valve(TABLE1 NUMBER2)
- B) To make a direct connection from the mains, connect the 3/8 "fittings to one end of the hose coming out of the material box and connect it to the mains. Connect the other end with 1/2 "fittings to the water valve (TABLE 1 NUMBER 2) located in the lower left corner of the machine.


Connection of Drain From Water Hopper(3):

Connect the 1/2 "drain hose to the valve next to the water valve (TABLE 1 NUMBER 3) and connect it to the drain under the sink.(The position of this valve should normally be closed and should be used when cleaning the water tank.)

ELECTRIC CONNECTION(4):

Connect the grounded plug cord (TABLE 1 NUMBER 4) located in the lower right corner of the machine to a 3 × 2.5 grounded outlet.

OPENING THE MACHINE

Turn on the machine by pressing the on-off button  on the control panel. Set the control panel of the machine step by step, reading the attached control panel operating instructions supplied with this user manual.

3.5. Controlling Panel

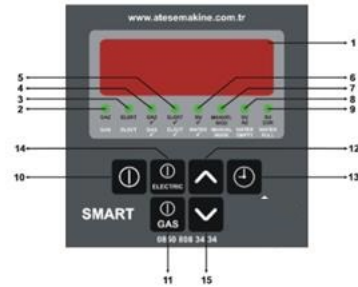
WARNING: The control panel operating instructions for this machine model are enclosed, please read them carefully.



**DİJİTAL
CONTROL PANEL**



**ANALOG
CONTROL PANEL**



**SMART
CONTROL PANEL**

4. DESCRIPTION OF THE LABELS OF THE DEVICE

Company Name / Firma Adı		Frequency / Frekans (50 / 60 Hz)		Voltage / Gerilim	
Tipe/Tipi Commercial Tea Buhar/Ticari Çay Makinesi		Sertifika Numarası		Model	
Emisyonlar / Emission (dB)	Fren / Frenler (Eski/Çoklu)	7827-6A8-78181	18.07.2019	Seri Numarası / Seri No	
UL, FT, LT, HL, RL, DL, SL, PL, OL	23.2420	1922-6A8-78181	18.07.2019	Elektrik Gücü / Elektrik Gücü (kW)	
UL, FT, LT, HL, RL, DL, SL, PL, OL, ST, ST, ST, ST, ST	23.2420	2422-19		Gaz Gücü / Gaz Kapasitesi	
UL, FT, LT, HL, RL, DL, SL, PL, OL, ST, ST, ST, ST, ST	23.2420	2422-19		Water Volume / Su Hızı (L/min)	
UL, FT, LT, HL, RL, DL, SL, PL, OL, ST, ST, ST, ST, ST	23.2420	2422-19		Production Determination Table	
UL, FT, LT, HL, RL, DL, SL, PL, OL, ST, ST, ST, ST, ST	23.2420	2422-19			

Technical data plate



Quality control tag



The tag of use in a grounded socket



Boiling water tag

5. INSRUCTIONS OF CLEANING OPERATION

Observe the notes in the installation and operating instructions. In this way, misuse and the dangers of this will be prevented. It is recommended that you perform regular maintenance every year for more efficient operation of your device. Maintenance operations are out of the scope of the guarantee. The outside of the device should be cleaned with a damp cloth, but without the use of detergents or chemicals. Detergent and so on use of chemicals may cause corrosion and scratches on your device.

For cleaning the water tank of the machine;

- Pour sour salt or vinegar into 90 degrees of water.
- Boil for 30 - 45 minutes.
- 20 minutes after boiling, withdraw electric cable from plug and open the drain valve to drain water from the tank.
- Close the drain valve and plug in electric cable to fill the machine with clean water.

(Warning: We recommend that you repeat this process once a month.)

Cleaning considerations:

Damage caused by misuse of lime is not covered by the warranty. We must use organic products.

(vinegar, salt sour, etc.)

Make sure that the lime solution does not touch the outer surface of the machine.

- Have ratified your warranty certificate by vendor when you receive your product.
- Use your product according to the information in the instruction manual.
- If you have a service request for your product, please call our authorized service
- When you are done, remember to ask the service technician for the service receipt.

Current standards:

TS 13083:2004 TS-EN 60335-2-47:2005 ISO 9001:2015

Basic directives for CE marking:

ce Electrical devices operating at specified voltage ranges 2006/95/EC LVD

ce Electromagnetic compatibility 2004/108/EC EMC

7. WARRANTY CONDITIONS WARRANTY CERTIFICATE

Provided that the tea machines are installed by the service personnel authorized by GGM as shown in the instructions for use, they are guaranteed for two (2) years from the date of manufacture against manufacturing and manufacturing defects. If product failure cannot be solved within 15 working days, GGM allocates another product with similar characteristics to the customer's use until the product is repaired. The determination of the technical methods to be applied to eliminate the malfunction and the determination of the parts to be replaced are entirely our own. If the fault cannot be rectified at the location of the product, the machine can be taken to an authorized service workshop and serviced.

ISSUES TO BE CONSIDERED BY CUSTOMER IN RESPECT TO WARRANTY

NON-WARRANTY ISSUES:

- Damages and malfunctions from operating and user errors.
- Damages and malfunctions in transporting the machine.
- Low and / or excess voltage; ungrounded and faulty electrical installation; Use of voltage other than the voltage printed on the product label, damage and malfunctions due to causes.
- Malfunctions and damages due to natural disasters (fire and lightning, flood, earthquake etc.).
- Damages and malfunctions resulting from use contrary to the instructions contained in the product manual and the intervention of unauthorized service personnel.
- Damages and malfunctions due to water availability and lime formation,

Elimination of the above mentioned faults is done for a fee. Transport and installation of the product is not included in the price of the product. It is the responsibility of the dealer, agent or representative from whom the consumer buys the goods.

- Carbon purifier filter replacement is out of warranty due to its life.
- The surface paint does not withstand flame and temperature of 180 ° C for a long time.
- No liquid other than water can be boiled or stored in the inner chamber of the machine.

Out of warranty parts;

Hot water tap: The tap is not covered by the guarantee due to lime in the water.

Resistor: Resistor is not covered by the guarantee due to lime in water. Due to voltage fluctuations in the electricity resistance is not covered by the warranty.

Water valve: It is not covered by the warranty due to faults caused by fluctuations in electrical voltage.

Electrical parts: Malfunctions in boiler electrical components due to building electrical installation or voltage fluctuations.

Product Model and Serial NO:-----

Delivery Date / Place: -----

Billing Date / No: -----

Seller Name: -----

Address / Phone: -----

Stamp / Signature:

.....
Product Model and Serial NO:-----

Delivery Date / Place: -----

Billing Date / No: -----

Seller Name: -----

Address / Phone: -----

Stamp / Signature:

