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- BESIDES THIS EQUIPMENT, A COMPLETE RANGE OF OTHER PRODUCTS ARE MANUFACTURED , CONSULT OUR DEALERS
- DUE TO THE CONSTANT IMPROVEMENTS INTRODUCED TO OUR EQUIPMENTS , THE INFORMATION CONTAINED IN THE PRESENT
INSTRUCTION MANUAL MAY BE MODIFIED WITHOUT PREVIOUS NOTICE .

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INSTRUCTION MANUAL



HIGH SPEED BLENDER, STAINLESS STEEL, STAINLESS STEEL SEAMLESS
CUP, 4,0 LITERS

MODELO
TA-04MB

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a full page of blank handwriting practice paper. It features approximately 28 evenly spaced horizontal blue lines across the entire page, providing a guide for letter height and placement. The lines are consistent in color and thickness throughout.

1. Introduction

1.1 Safety

The High Performance Blenders are machines simple to use and to clean. However for your safety read the following instructions in order to avoid accidents:

- 1.1.1 Always unplug the machine when cleaning, servicing or when any other operation is needed.
- 1.1.2 Never use tools that do not belong to the machine during operation.
- 1.1.3 Before using the machine check if Cup # 02 (Pic.01) is properly fitted in its position.
- 1.1.4 Never throw water directly to the machine.
- 1.1.5 Do not operate the machine wearing wet clothes or wet shoes.
- 1.1.6 Always operate the Blender on a dry and clean surface to avoid weird substances or water to get into the motor
- 1.1.7 Before operating the machine be sure it is grounded properly.
- 1.1.8 Read with attention item 3.1

IMPORTANT

Make sure the electric cord is in perfect usage conditions. In case it is not, have it replaced by another that complies with the technical and safety specifications. This replacement must be carried out by qualified personnel and must attend the local safety standards.

IMPORTANT

This equipment must not be used by individuals with reduced physical, sensorial or mental capabilities nor children. Individuals without proper training and experience must not operate this equipment unless they receive proper training and instructions or are operating it under the supervision of a person who is responsible for their safety.

IMPORTANT

We recommend that children must be constantly monitored to make sure they are not playing with the equipment.

IMPORTANT
Never spray water directly upon the equipment.

IMPORTANT
If any emergency shall arise the plug must be disconnected from the electrical grid.

1.2 Main Components

All components are made with carefully selected materials, in accordance with Siemens experience and standard testing procedures.

PICTURE 01

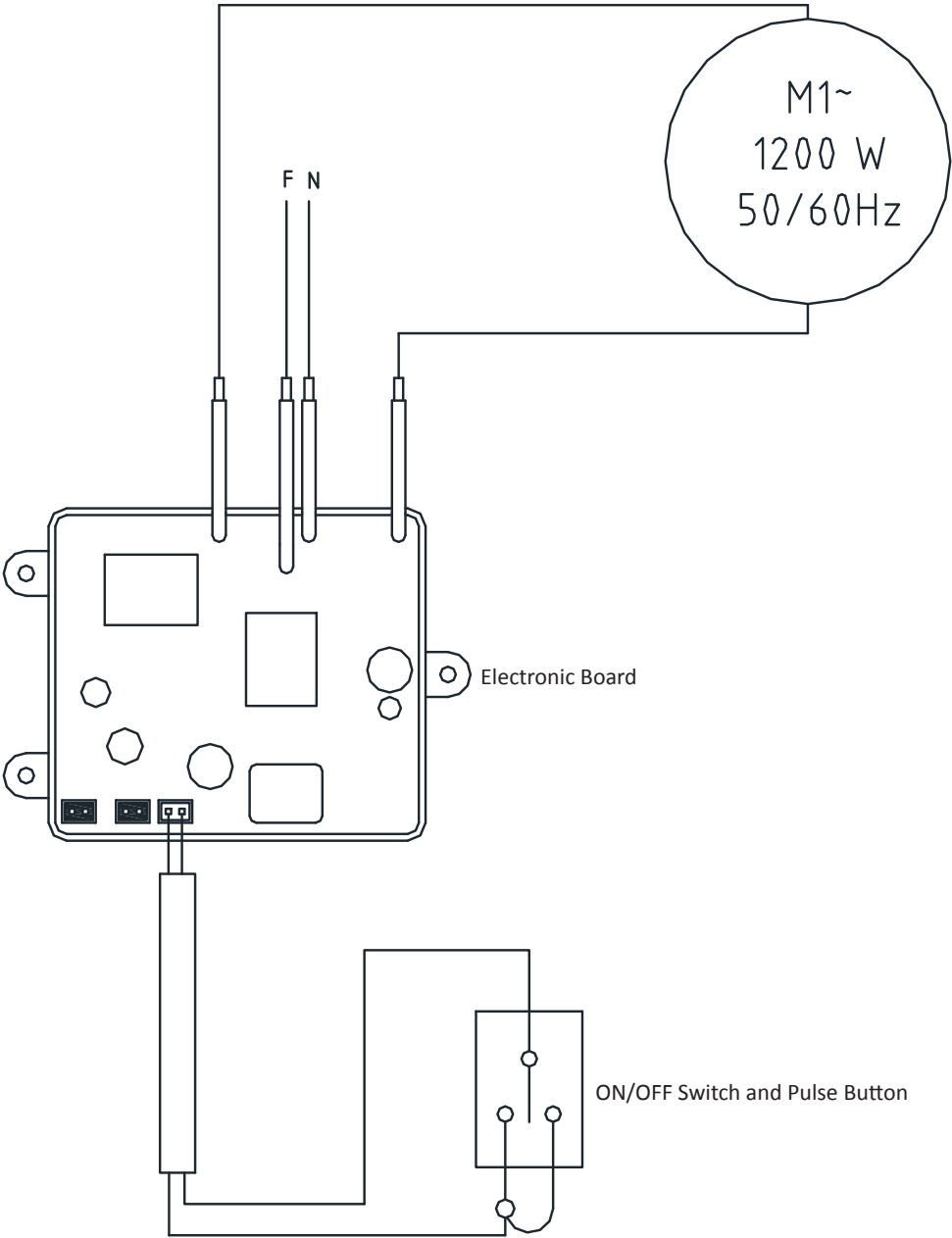


- 01 - Lid
02 - Cup
03 - Motor Support Flange
04 - Housing

- 05 - Base
06 - ON/Off Switch
07 - Cup Flange

This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.

8. Electric Diagram



1.3 Technical Characteristcs

TABLE 01

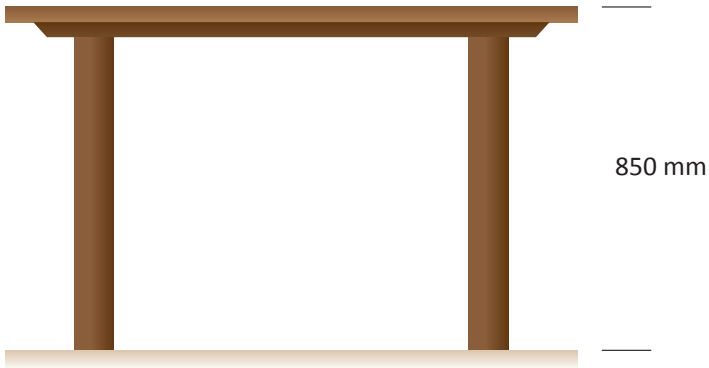
CHARACTERISTICS	UNIT	TA-04MB
Voltage	V	110 ó 220 (*)
Frequency	Hz	50 o 60 (*)
Power Rating	W	1200
Consumption	kW/h	1,20
Height	mm	550
Width	mm	230
Depth	mm	200
Net Weight	kg	4,6
Shipping Weight	kg	5,7
Cup capacity	L	4
Speed	rpm	22000

(*) Voltage and frequency are only one , the one the motor is designed for

2. Installation and Pre Operation

2.1 Installation

The Blender is to be installed onto a leveled surface approximately 850mm high. The High Performance Blenders were developed to be used in both voltages: 127V or 220V. Upon receiving the Blender control the voltage indicated on the cord label.



The cord has a plug with three pins one of them is grounding . It is mandatory the three pins to be connected before to start to use the blender.

2.2 Pre Operation

IMPORTANT

When installing the Cup #02 (Pic.01) on the machine be sure it is perfectly fitted. The Cup can be fitted on the machine in eight positions which guarantees a perfect operation.

First of all check if the Blender is firm in its position. It is recommended to work with the machine on a flat surface with approximately 850 mm of height.

Before using the machine all parts that get in contact with food must be washed with running water and neutral soap. To clean your Blender read item 3.3 Cleaning on this Manual.

2.3 You Shall Not

2.3.1 Expect your blender to replace any other kitchen appliance. It is not supposed to make mashed potatoes, it does not blend egg white or any other cream for covering, it does not grind raw meat, it does not blend hard pastas and does not extract kernels from fruit and vegetables.

2.3.2 Process mixtures for too long. Remember that this kind of blender works in seconds and not in minutes. Therefore, never let your blender working for more than one minute. It is better to switch it off and check the mixing consistency after a few seconds to avoid over blending.

2.3.3 Overload the motor with big or heavy portions, once it will decrease the blender's lifespan. If the motor stops, immediately switch it off, unplug and remove part of the load before restarting the operation.

3. Operation

3.1 Starting

6. Applicable Norms

Brazilian Norm ABNT NBR NM 60335-1
IEC Norm 60335-2-64

7. Maintenance

Maintenance must be considered a set of procedures with the purpose to keep the equipment best operating conditions , therefore increasing the equipment life and safety.

* Cleaning – check item 3,3 Cleaning

* Wiring - Check all wires regarding deteriorate conditions as well as all electric contacts (terminals) regarding tightening and corrosion .

*Contacts – ON/OFF switches, emergency button, reset button , electronic circuits etc , check the equipment in order to assure that all components are correctly working and the equipment operation is normal .

* Installation – make sure the installation followed item 2.1 instructions

1 - Each month check :

- Check the electrical installation
- Measure the voltage at the socket
- Measure the working current and match it with the nominal current
- Check the tightening of all electric terminals to avoid bad contacts
- Check electric motor shaft clearance
- Check the wiring for overeating , insulation failures and mechanical damages .

2 - Each three month checks

- Check electrical components such as ON/OFF switch, emergency button , reset button, electronic electric circuits , overeating, insulation failings, or mechanical damages
- Check bearings clearances
- Check retainers, O'rings, V'rings and other sealings.

TABLE 02

PROBLEMS	CAUSES	SOLUTIONS
- The machine does not start.	- Electric energy shortage; - Problem with the internal or external wiring	- Check electric Energy source. - Call Technical Assistance.
- Burnt smell or smoke.	- Problem with the internal or external wiring.	- Call Technical Assistance.
- The equipment switches ON but when the product is placed it stops or turn slowly.	- Problem with the Electric motor. - Crown grove worn out or broken.	- Call Technical Assistance; - Change the crown .
- Damaged cord	- failure during product transportation.	- Call Technical Assistance.
- Unusual noises.	- Damaged bearings.	- Call Technical Assistance.

IMPORTANT

Before removing or installing the Cup # 02 (Pic.01) be sure the motor has completely stopped in order to avoid accidents or damage to the product that might occur.

The Blender is activated by turning the ON/Off Switch # 06 (Pic.01) located on the Housing # 04 (Pic.01) to ON position.

3.2 Feeding Procedures

The High Performance Blender works at high speed (approximately 22,000 rpm, without load). To feed it proceed as follows:

- 1 – Remove the Lid # 01 (Pic.01).
- 2 – Put product inside the Cup # 02 (Pic.01) with the machine switched OFF.
- 3 – Place the Lid # 01 (Pic.01) back on top of the Cup and switch the machine ON.

OBSERVATION

The processing time varies in accordance to the product processed.

IMPORTANT

NEVER SWITCH THE MACHINE ON WITHOUT LOAD IN IT BECAUSE IT WILL CAUSE IRREPARABLE DAMAGES.

3.3 Cleaning and Sanitizing

IMPORTANT

Never do cleaning with the machine plugged in. Always unplug the machine before cleaning. Before removing the Cup be sure the motor has completely stopped.

Follow the below instructions to wash the blender

- Unplug the machine.
- Remove the Lid # 01 (Pic.02) first then the Cup # 02 (Pic.02).
- Wash all removable parts with running water and neutral soap.
- To clean the Housing # 03 (Pic.02) use a wet cloth
- To reinstall them, follow the above order inversely.

PICTURE 02



01- Lid
02 - Cup

03 - Housing

IMPORTANT

When washing inside the Cup be careful with the knife as it has sharp edges.

5. Analysis and Problems Solving

5.1 Problem, causes and solutions

The Juice Extractor Mod. ESB-SUPER were designed to operate with the need of minimum maintenance but the natural wearing caused by long use of the equipment may occasionally cause some malfunctions.

If such problem occurs with your mixer refer to Table 02 in which the most common situations are listed with recommended solutions.

When checking the tension of belts or chains DO NOT insert your fingers between belts and pulleys, nor between the chains and gears.
Check protections and safety devices to make sure they are working properly.

4.4 Operation

4.4.1 Warnings
Do not use the machine with long hair that could touch any part of the machine. This might lead to a serious accident. Tie your hair up well and/or cover it with a scarf.
Only trained or skilled personnel shall operate this machine.
Never touch turning parts with your hands or any other way, NEVER operate the machine without any original safety devices under perfect conditions.

4.5 After Finishing The Work

4.5.1 Precautions
Always TURN THE MACHINE OFF before cleaning by removing the plug from the socket.
Never clean the machine unless it has come to a complete stop.
Put all the components back to their functional positions before turning the machine ON again.
Check the level of oil.
Do NOT insert your fingers in between belts and pulleys nor chains and gears.

4.6 Maintenance

4.6.1 Danger
Any maintenance with the machine in working situation is dangerous. TURN IT OFF BY PULLING THE PLUG OFF THE SOCKET DURING MAINTENANCE.

IMPORTANT
Always remove the plug from the socket in any emergency situation.

4.7 Warning
Electrical or mechanical maintenance has to be undertaken by qualified personnel. The person in charge of maintenance has to be sure that the machine is under TOTAL SAFETY conditions when working.

3.4 Cautions with Stainless Steel:

The Stainless Steel may present rust signs, which ARE ALWAYS CAUSED BY EXTERNAL AGENTS, especially when the cleaning or sanitization is not constant and appropriate.

The Stainless Steel resistance towards corrosion is mainly due to the presence of chrome, which in contact with oxygen allows the formation of a very thin protective coat. This protective coat is formed through the whole surface of the steel, blocking the action of external corrosive agents.

When the protective coat is broken, the corrosion process begins, being possible to avoid it by means of constant and adequate cleaning.

Cleaning must always be done immediately after using the equipment. For such end, use water, neutral soap or detergent, and clean the equipment with a soft cloth or a nylon sponge. Then rinse it with plain running water, and dry immediately with a soft cloth, this way avoiding humidity on surfaces and especially on gaps.

The rinsing and drying processes are extremely important to prevent stains and corrosion from arising.

IMPORTANT
Acid solutions, salty solutions, disinfectants and some sterilizing solutions (hypochlorites, tetravalent ammonia salts, iodine compounds, nitric acid and others), must be AVOIDED, once it cannot remain for long in contact with the stainless steel.

These substances attack the stainless steel due to the CHLORINE on its composition, causing corrosion spots (pitting).

Even detergents used in domestic cleaning must not remain in contact with the stainless steel longer than the necessary, being mandatory to remove it with plain water and then dry the surface completely.

Use of abrasives:
Sponges or steel wool and carbon steel brushes, besides scratching the surface and compromising the stainless steel protection, leave particles that rust and react contaminating the stainless steel. That is why such products must not be used for cleaning and sanitization. Scrapings made with sharp instruments or similar must also be avoided.

Main substances that cause stainless steel corrosion:
Dust, grease, acid solutions such as vinegar, fruit juices, etc., saltern solutions (brine), blood, detergents (except for the neutral ones), common steel particles, residue of sponges or common steel wool, and also other abrasives.

4. General Safety Practices

IMPORTANT

If any recommendation is not applicable to your equipment, please ignore it.

The following safety instructions are addressed to both the operator of the machine as well as the person in charge of maintenance.

The machine has to be delivered only in perfect conditions of use by the Distributor to the user. The user shall operate the machine only after being well acquainted with the safety procedures described in the present manual. **READ THIS MANUAL WITH ATTENTION.**

4.1 Basic Operation Practices

4.1.1 Dangers

Some areas of the electric device have parts that are connected or have parts connected to high voltage. These parts when touched may cause severe electrical shocks or even be lethal.

Never touch manual commands such as switches, buttons, turning keys and knobs with your hands wearing wet clothes and/or wet shoes. By not following these instructions operator could be exposed to severe electrical shocks or even to a lethal situation.

4.1.2 Warnings

- * The operator has to be well familiar with the position of ON/OFF Switch to make sure the Switch is easy to be reached when necessary.
- * Before any kind of maintenance, physically remove plug from the socket.
- * Provide space for a comfortable operation thus avoiding accidents.
- * Water or oil spilled on the floor will turn it slippery and dangerous. Make sure the floor is clean and dry.
- * Before using any commands (switch, buttons, lever), be sure it is the correct one. In case of doubt, consult this manual.
- * Never touch any manual commands (switch, buttons, lever) unadvisedly.
- * If any work is to be made by two or more persons, coordination signs will have to be given for each operation step. Every step of the operation shall be taken only if a sign has been made and responded.

4.1.3 Advices

- * In case of power shortage, immediately switch the machine off.
- * Use recommended or equivalent lubricants, oils or greases.
- * Avoid mechanical shocks, once they may cause damages or bad functioning.
- * Avoid water, dirt or dust contact to the mechanical and electrical components of the machine.
- * **DO NOT** change the standard characteristics of the machine.

* **DO NOT** remove, tear off or maculate any safety or identification labels stuck on the machine. If any labels have been removed or are no longer legible, contact your nearest dealer for replacement.

4.2 Safety Procedures and Notes before Switching the Machine ON

IMPORTANT

Carefully read ALL INSTRUCTIONS of this manual before turning the machine ON. Be sure to well understand all the information contained in this manual. If you have any question contact your supervisor or your nearest Dealer.

4.2.1 Danger

An electric cable or electric wire with damaged jacket or bad insulation might cause electrical shocks as well as electrical leak. Before use, check the conditions of all wires and cables.

4.2.2 Advices

Be sure to well understand all the information contained in this manual. Every operation function or procedure has to be thoroughly clear.

Before using any commands (switch, buttons, lever), be sure it is the correct one. In case of doubt, consult this manual.

4.2.3 Precautions

The electric cable has to be compatible with the power required by the machine.

Cables touching the floor or close to the machine need to be protected against short circuits.

The oil reservoirs have to be filled until the indicated level. Check and refill if necessary.

OBSERVATION

For your own safety read all the machine stickers.

4.3 Routine Inspection

4.3.1 Advice

When checking the tension of the belts or chains, **DO NOT** insert your fingers between the belts and the pulleys and nor between the chain and the gears.

4.3.2 Precautions

Check the motor and sliding or turning parts of the machine in case of abnormal noises. Check the tension of the belts and chains and replace the set when belts or chains show signs of wearing.