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61719.9 - INGLÊS

Data de Revisão: 20/05/2019

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INSTRUCTION MANUAL



BLENDER HIGH ROTATION, POLICARBONATE CUP, WITH SPEED CONTROL

MODEL
LT-2,0 SUPER-N

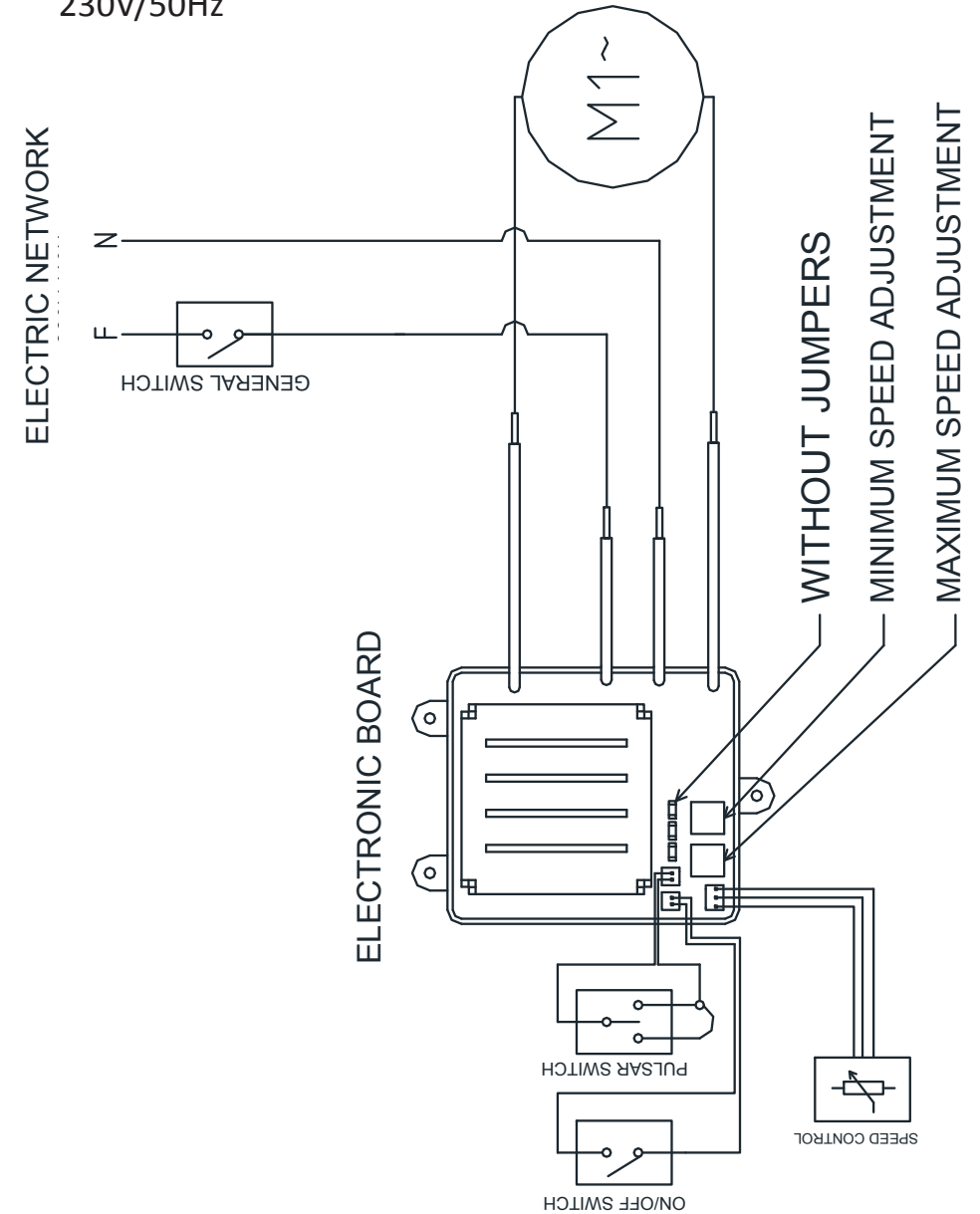
- BESIDES THIS EQUIPMENT, A COMPLETE RANGE OF OTHER PRODUCTS ARE MANUFACTURED
- CONSULT OUR DEALERS DUE TO THE CONSTANT IMPROVEMENTS INTRODUCED TO OUR EQUIPMENTS
- THE INFORMATION CONTAINED IN THE PRESENT INSTRUCTION MANUAL MAY BE MODIFIED WITHOUT PREVIOUS NOTICE

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7. Electric Diagram

230V/50Hz



6. 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 3.4 Cleaning.

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

* Contacts – ON/OFF switch, 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 seals.

1. Introduction

1.1 Safety

When incorrectly used this equipment is a potentially DANGEROUS machine. Maintenance, cleaning or any other service shall be performed by a duly trained person and with the machine unplugged.

To avoid accidents respect the following instructions:

1.1.1 Read all the instructions.

1.1.2 In order to avoid the risk of electric shocks and damage to the machine, never operate it wearing wet clothes or shoes, install the equipment on a wet or humid surface nor dip it in water or any other liquid, and do not spray water directly on it.

1.1.3 The use of the equipment must be supervised when used next to children.

1.1.4 Before cleaning and when not in use or before inserting or removing accessories, maintenance, or other services, disconnect machine from power source.

1.1.5 Do not leave the electric cable on the edge of the table or counter nor let it touch hot surfaces.

1.1.6 Do not use the equipment if it is not working correctly, nor if it has been damaged in any way. In case that happens, take the equipment to the nearest Technical Assistance to check it up.

1.1.7 The use of accessories not recommended by the manufacturer may cause personal hurt.

1.1.8 Keep your hands or any tool out of the machine while operating to avoid personal hurt or any damage to the equipment.

1.1.9 During operation, never wear loose clothes with wide sleeves principally around the wrists.

1.1.10 Make sure the equipment voltage and the network voltage are the same, and the equipment has been solidly grounded.

1.1.11 Knife has sharp edges, handle it with care.

1.1.12 Always place the Lid # 02 (Pic.01) on the cup before to start the machine.

1.1.13 Always hold the Cup #03 (Pic.01) while the blender is in operation.

1.1.14 When mixing hot liquids remove the Cap # 01 (Pic.01) out fo the Lid # 02 (Pic.01) and keep the hands away from the Lid hole avoiding possible burns.

1.1.15 Never touch the knife when the equipment is operating.

1.1.16 Do not use the machine outdoors.

1.1.17 Do not 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.

1.1.18 Do not 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.

1.1.19 Do not 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.

1.1.20 For your safety, the temperature of the processed products shall not exceed 40 °C.

This appliance is intended for use in household and similar applications such as:

- Personal kitchen areas in shops, offices and other work environments;
- Farm houses;
- By customers in hotels, motels and other types of residential environments;
- Bed and breakfast type rooms.

TABLE 02

PROBLEM	CAUSE	SOLUTION
- The equipment does not start.	- Energy shortage; - Problem with the electric circuit.	- Check energy supply; - Call Technical Assistance.
- Burn smell or smoke.	- Problem with the electric circuit.	- Call Technical Assistance.
- The equipment switches ON but when the product is placed inside the cup the knife stops or turns slowly..	- Problem with the motor.	- Call Technical Assistance.
- Damaged Cord.	- Problem during transportation.	- Call Technical Assistance.
- Strange noises.	- Damaged bearing.	- Call Technical Assistance.
- The product does not Blend.	- Product pieces too large. - Blunt knife.	- Cut product pieces 3.5 cm wide. - Call Technical Assistance.
- Cup leaking.	- Damaged sealing.	- Call Technical Assistance.

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.

5. Problems Analysis and Solutions

5.1 Problems, Causes and Solutions

This equipment has been designed to require minimum maintenance.

However, some performance failures may happen due to natural wearing caused by the use of the equipment.

If any problem arises check the table - 02 below, where there are some detailed and recommended possible solutions.

IMPORTANT

For mayor operator protection this equipment is provided with a safety system not allowing it to be involuntary switched ON after an eventual energy shortage.

IMPORTANT

**Make sure the cord is in perfect conditions for use. If it is not, change it for a new one in accordance with the technical specifications and safety rules.
The substitution shall be made by a qualified professional, and shall respect the local safety norms.**

IMPORTANT

This equipment must not be used by children or any persons with reduced physical or mental aptness, lack of experience or knowledge, unless they are under supervision or have received from the person responsible for safety, proper instructions on how to use the equipment.

IMPORTANT

Children shall be watched in order to avoid them to play with the equipment.

IMPORTANT

In case of emergency take off the plug from its socket.

IMPORTANT

Never spray water directly on to the equipment.

1.2 Main Components

All the components of this machine are made with materials sensibly selected to suit their functions, according to test standards and also SKYSEN knowhow.

PICTURE 01



- 01 - Cap
- 02 - Lid
- 03 - Cup
- 04 - Housing
- 05 - Feet
- 06 - Pulsar Switch
- 07 - Speed Control Switch
- 08 - ON/OFF Switch
- 09 - General Switch

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.

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

- 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.

1.3 Technical Characteristics

TABLE 01

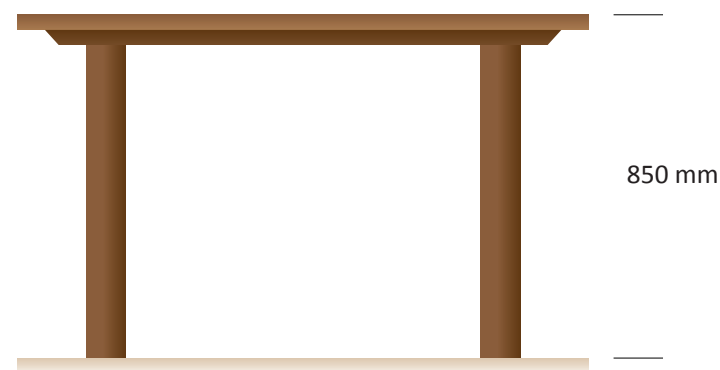
CHARACTERISTICS	UNIT	LT-2,0 SUPER-N
Maximum Capacity of Cup	l	2
Voltage	V	230
Frequency	Hz	50
Power Rating	W	1500
Height	mm	495
Width	mm	205
Depth	mm	235
Net Weight	kg	4,2
Gross Weight	kg	5,2

2. Installation and Pre Operation

2.1 Installation

2.1.1 Placing

The Blender is to be installed onto a leveled dry surface approximately 850mm high.



2.1.2 Electrical Installation

This equipment was developed to be used with: 230V voltage. Upon receiving the Blender control the voltage indicated on the cord label.

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

IMPORTANT

Make sure that the network voltage is the same as the machine voltage.

2.2 Pre Operation

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 3.4 Cleaning.

Make sure the blender is stable on its working place.

2.2.1 Placing the Cup

The Cup # 03 (Pic.01) has a simple fitting system allowing an easy and safe placing.

To remove or to place the Cup # 03 (Pic.01) just lift it using the handle. Do always use the handle with a firm hold to remove or to place the Cup.

IMPORTANT

Never remove or place the Cup with the equipment switched ON.

2.2.2 Placing the Lid

The Cup # 03 (Pic.01) has a Lid # 02 (Pic.01) made of non toxic material, providing an efficient sealing during operation. Make sure the Lid is correctly placed on the Cup as may be seen picture 02 below.

PICTURE 02



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 Procedures

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.

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

2.2.3 Placing the Cap

The Cap # 01 (Pic.01) may be used to watch the process, and also to add ingredients during operation.

To remove the Cap just turn it clockwise until it gets free then lift it, See picture 03 below.

PICTURE 03



3. Operation

3.1 Starting

- Place the Plug into the Socket;
- Place the General Switch # 09 (Pic.01) on position "I";
- Start the equipment placing the ON/OFF Switch # 08 (Pic.01) on position "I".

Use the Speed Control Switch # 07 (Pic.01) to settle the speed how required by the receipt , in case ideal speed is not known use maximum speed.

- To switch the equipment OFF place the ON/OFF Switch back to position "O";
- Use Pulsar Switch to obtain a better ingredients distribution inside the Cup.

3.2 Feeding Procedure

Remove the Lid # 02 (Pic.01) along with its cap # 01 (Pic.01).

With the equipment switched OFF place inside the cup # 03 (Pic.01) the receipt liquid products, then drop the more consistent products.

IMPORTANT

Cut the product in small pieces approximately 3.5 cm wide, it will help to reduce the blending time particularly with frozen products. When processing ice, it is recommended to add some water.

Consider the maximum level indicated on the Cup # 01 (pic.04) below.

PICTURE 04



Place the Lid # 02 (Pic.01) with the Cap # 01 (Pic.01) in accordance with item 2.2.2 and 2.2.3 , then switch the blender ON.

IMPORTANT

DO NOT USE THE BLENDER TO PROCESS DENSE PRODUCTS.

IMPORTANT

The blending process time changes from product to product. It is not recommended to blend solid products without to add some liquid , because overheating may occur , following damages to the cup sealing.

IMPORTANT

NEVER SWITCH “ON” THE BLENDER WITH AN EMPTY CUP , BECAUSE IRREPARABLE DAMAGE WILL OCCUR.

3.3 Safety System

3.3.1 System avoiding automatic reset

For mayor operator protection this equipment is provided with a safety system not allowing it to be involuntary switched ON after an eventual energy shortage. To reset energy supply first press the ON/OFF Switch # 08 (Pic.01) to position “O” then to position “I”.

3.4 Cleaning and Sanitizing

IMPORTANT

Remove the plug from its socket before to start cleaning.

The equipment shall be totally cleaned and sanitized:

- Before to be used the first time;
- After every day operation;
- Before to start operation after a long period without use;

Some parts of the equipment may be removed:

- Cup # 03 (Pic.01);
- Lid # 02 (Pic.01);
- Cap # 01 (Pic.01).

Wash all parts with water and neutral soap.

IMPORTANT

Do not spray water directly on the equipment

3.5 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.