

**METVISA**

# INSTRUCTION MANUAL

Installation | Maintenance | Use | Safety

## High-Spin Blender



Model: LAR.2

### Models

LAR.1,5  
LAR.2  
LAR.2 MAX  
LAR.4

Image merely illustrates.

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## **ATTENTION!**

The characteristics, pictures and figures presented in this manual should be considered for information. IMG BRASIL reserves the right to make such modifications as may be deemed necessary without prior notice.

# 1. Safety Information

## 1.1 General Warnings

- Cautions / precautions must be observed when installing, using, maintaining and discontinuing use of this appliance;
- Before carrying out any operation (assembly, utilization (use), maintenance and reuse after prolonged use of the equipment), read the manual carefully;
- The equipment must be used by trained personnel familiar with the use and safety standards described in this manual;

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capacities, or people with lack of experience and knowledge, unless they have received instructions regarding the use of the appliance or are under the supervision of a person responsible for their safety;

- It is recommended that children be supervised to ensure that they are not playing with the equipment;
- In case of change of the personnel that will work with the equipment, the new operator must be educated about the standards and the operation of the same one;
- The operator must use the **Adequate PPE's** (equipment for individual safety). As for example: use touches the hair avoiding that they lock in the moving parts of the machine;
- The operator must always be aware of situations that can cause a risk of accidents and avoid them. For example: avoid working with loose uniform sleeves, where they can lock in moving parts, causing accidents;
- After being held to read and answered all the questions, this manual must be stored carefully in place of easy access, known by all the people who will operate the equipment and made available for the people who carry out maintenance, to any queries. Whenever any questions arise, be sure to check the manual. Do not operate the appliance in any way with doubts;
- Before starting cleaning and any maintenance, it is essential to disconnect the appliance from the power supply;
- Periodically check the condition of the cables and electrical parts;
- In the installation, it is essential to make this manual available to the professionals who will do the same;
- Never place hands, fingers or objects inside the cup while the appliance is on, as this could cause an accident;
- Never turn on the appliance with the cup uncovered, and also don't remove the cup while the appliance in operation;
- Do not leave the appliance turned on without supervision and operating for more than 3 uninterrupted minutes;



### ATTENTION!

**Do not perform repairs on your own. Refer servicing to qualified service personnel. Use only original parts in your appliance.**

## 2. Technical Features

### 2.1 Main Components

For the equipment described in this manual, safety in use, cleaning, maintenance and maximum hygiene are guaranteed by the design and special project for all parts, as well as by using stainless steel and other materials suitable for contact with food.

The appliance was built with the following features:

- **Cover** made of non - toxic plastic (polyethylene - PE). Material resistant to citric acid (found in lemon and orange juice), is easy to maintain, hygienic and resistant to corrosion;
- **Cup** and **Cabinet** manufactured in stainless steel, which resists the attack of several corrosive agents, such as the majority of the organic acids, organic substances in general, alkalis, oxy-salts, etc..

**Note: stainless steel is attacked by sulfuric acid, and also cannot withstand hydrochloric acid, diluted sulfuric acid, chlorides and halides in general.**

- The **blades** are made of 304 hardened stainless steel, which increases wear resistance. Very resistant to aggressive agents such as fruit and vegetable juices, some mild acids and alkalies, water vapor free of contaminants, etc.
- **Base** and **cup holder** produced by non-toxic ABS plastic, highly resistant and hygienic.

See the following for the main components of the appliance:



Note: For exploded design with spare parts list, see the attachments.

## 2.2 Technical Data

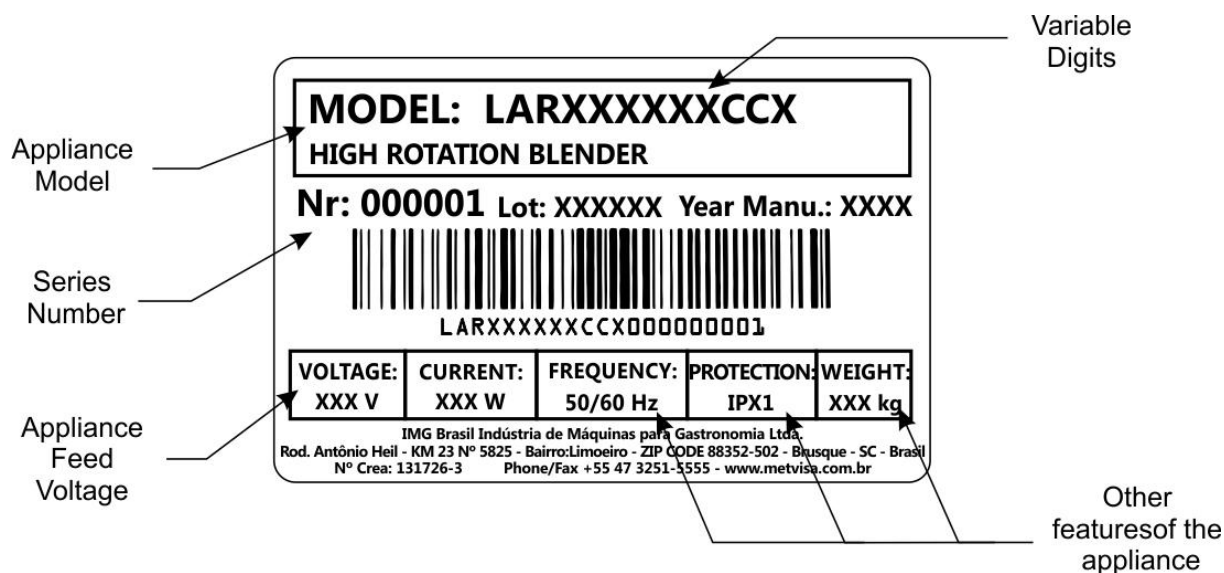
Model	Nominal Measures Length.xHt.xWidth (mm)	Net weight (kg)	Voltage (V)	Nominal Power (W)	Nominal Capacity (L)
LAR1,5110CC4	200x425x200	2.9	110	390	1.5
LAR1,5220CC1					
LAR1,5220CC2					
LAR1,5220CC3					
LAR1,5220CC4					
LAR2110CC4	200x500x200	3.0	220	390	2
LAR2220CC1					
LAR2220CC2					
LAR2220CC4					
LAR2M110CC4	200x520x200	3.1	220	400	2
LAR2M220CC1					
LAR2M220CC2					
LAR2M220CC4					
LAR4110CC4	225x530x200	3.4	220	400	3.5
LAR4220CC1					
LAR4220CC2					
LAR4220CC3					
LAR4220CC4					

Noise level (appliance with load): 75 dB.



### ATTENTION!

Features like: model, serial number and voltage of the equipment are provided on the label (figure below). Before installation, check that the power supply voltage of the appliance corresponds to that of the mains.



## 3. Installation

### 3.1 Equipment Layout

The connection to the mains and the arrangement for operation must be carried out by a qualified professional. Check whether the voltage of the appliance is in accordance with that of the power grid.

During installation, it is essential to make this manual available to the professionals who will carry it out.

To ensure correct operation and safety, the appliance must be positioned in a ventilated environment and on a sufficiently wide, level, dry and stable support surface, away from sources of heat and water faucets, and at an average height of 80 cm. Install your appliance by leaving a distance of at least 20 cm around it so that it has sufficient space for inspection, maintenance, cleaning and use.



#### ATTENTION!

The installation and location of the appliance must be in accordance with the regulations on the prevention of risks and safety at work (regulatory standard in force in your country).

The manufacturer shall not be liable for any direct or indirect damages caused by non-compliance with these standards and other instructions presented in this manual.

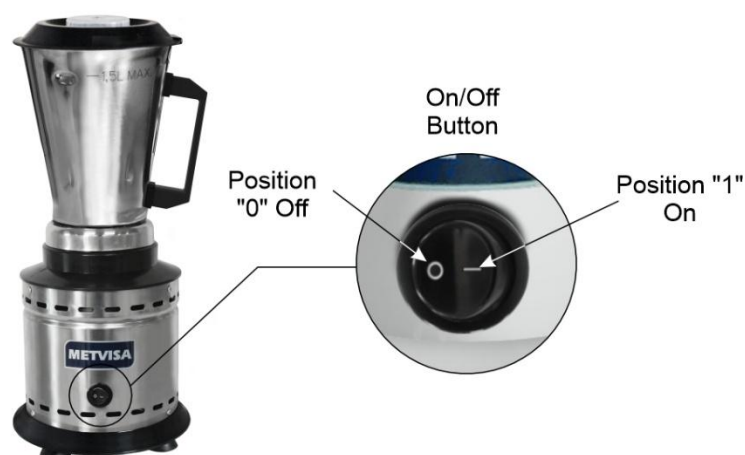
## 4. Use of the Appliance

### 4.1 Utility

This appliance is intended exclusively for grinding light food products with liquid addition and dissolution of frozen fruit pulps.

### 4.2 Commands

The appliance consists of an on/off button, positioned on the front of the cabinet (picture below).



See button description:

- **On/Off Button** - used to turn the appliance on and off. In position "1" turns on, in position "0" turns off.

### 4.3 Operating Procedures

Before operating your appliance, make sure that the items that come into contact with the food (cup, lid and overcap) are perfectly clean. Perform cleaning with the appliance disconnected from the electrical network. Follow the cleaning instructions in item 5 of this manual.

Make sure that the cup is firmly inserted in the coupling and cup holder. Also check that the supply voltage of the appliance (110 V ou 220 V) complies with that of the power grid.

After verifying these items, follow the appliance operating processes below:



### ATTENTION!

**To avoid damaging the appliance, never turn it on with the glass empty. Before connecting it, insert liquid in the minimum amount at twice the height of the blade.**

- Connect the power cord to the power grid;
- Add the liquid according to your recipe, but always comply with the "MAX" level indicated in the cup;



- Before plugging in your appliance, always lock the cover with the overcap on the cup;
- To start processing, press the on/off button in the "1" (on) position;
- To add ingredients during processing, remove the overcap by turning it counterclockwise and pulling it up vertically. Use the opening in the cover without needing to remove it. In possession of the pre-cut pieces of food (approximately 2 cm), place them in the cup;
- Leave the appliance running for a maximum of 3 minutes;
- After the process is completed, turn the appliance off by pressing the on/ off button in the "0" position (off) and remove the appliance from the socket.

### IMPORTANT

**When processing a liquid that is hot, remove the overcap to allow steam to escape. For your safety, the temperature of the processed products must not exceed 40° C.**

**If food sticks to the wall of the cup, turn off the appliance and unplug the appliance from the socket. Use a spatula to remove food from the wall of the cup.**





### **ATTENTION!**

Never turn on the appliance with the cup uncovered, and also don't remove the cup while the appliance is in operation.

To add ingredients or for viewing the food being processed, remove only the overcap.



### **ATTENTION!**

Do not leave the appliance running for more than 3 uninterrupted minutes. If processing has not finished after that time, let it rest for 10 minutes before putting it back into operation.

To avoid damaging the appliance, never turn it on with the cup empty.

Ice crushing is not recommended. For grinding of solid foods add liquid, otherwise overheating may occur, damaging the cup sealing system, wear and/or breaking of the blades and other components of the appliance.

If you notice that the appliance cannot process the food or that it stops processing, decrease the amount or size of the food in the pre-cut before inserting it into the cup.

Failure to comply with these guidelines will be considered an unsafe act and abusive use of the appliance.

In the case of any irregularities contact your nearest authorized service center.

## **5. Cleaning and Maintenance**

### **5.1 Cleaning Procedures and Products Used**

Your equipment is built with first-line materials, so use it correctly and you will get great satisfaction. Keep your equipment always clean and well taken care of, as this will make it have a much longer shelf life.

A daily cleaning of the machine must be carried out for good operation and durability.



### **ATTENTION!**

Before performing maintenance or cleaning, make sure that the on/off switch is in the "0" (off) position and the plug is disconnected from the power grid.



### ATTENTION!

**Do not use a water jet to clean the appliance.**

### IMPORTANT

**This equipment is not intended to be fully immersed in water for cleaning. Follow the instructions below to find out which parts can be immersed and the special care to be taken with the other parts.**

To remove heavier dirt from the cup, follow the instructions below:

1. Insert the cup into the coupling and cup holder;
2. Add warm water (500ml less than the maximum capacity of the cup or at least twice the height of the blade) and a few drops of neutral detergent inside the cup;
3. Place the cover and turn the appliance on for a few seconds;
4. When the appliance is turned off, remove the cup from the holder and rinse in running water.

The rest of the appliance should only be cleaned with a damp cloth as many times as possible to prevent food residues from drying out and sticking to the parts. Dry all cleaned parts with a soft, dry cloth.

Never use abrasive products or sponges for cleaning as they may scratch or ruin the surface of the parts. Do not spill water on the appliance for cleaning, otherwise, turning it on may cause electric shock or even burn the appliance.



### ATTENTION!

**Prior to first use, cleaning should be done as instructed above. A little smoke and smell may occur due to the burning of non-toxic lubricant on the axle.**

**Be careful when cleaning the cup because the blades are exposed and are extremely sharp. Handle with care, otherwise it could cause accidents. The same attention is paid to any other sharp component of the appliance.**

### IMPORTANT

**The manufacturer shall not be liable for any direct or indirect damages caused by non-compliance with these standards and instructions presented in this manual.**



### ATTENTION!

**It is extremely important that the products used in the cleaning ensure maximum cleanliness and are not toxic.**

## 5.2 Maintenance and Procedures in Case of Malfunctions

The operator must be instructed to perform routine inspections, making minor adjustments, cleaning and to observe signs of breakdowns that could occur. Examples include: check for strange noise; loss of power of the appliance; the non-performance by the appliances of the service to which it proposes; among others. Actions such as these are essential to ensure a longer equipment life.



### **ATTENTION!**

**When maintenance is made (even if small adjustments), always unplug the appliance from the mains.**



### **ATTENTION!**

**The blades may be re-sharpened when they lose their cut. To do this, contact the nearest technical assistance.**

It is recommended to carry out preventive maintenance every 6 months, checking and adjusting clearances, cleaning internal parts, etc.. When detecting broken or malfunctioning parts, always replace using original parts.

By carrying out preventive maintenance, the inconvenience of keeping the appliance still when needed most is eliminated, the cost of maintenance is reduced and the risk of accidents is reduced.



### **ATTENTION!**

**Preventive maintenance requires a trained professional.**

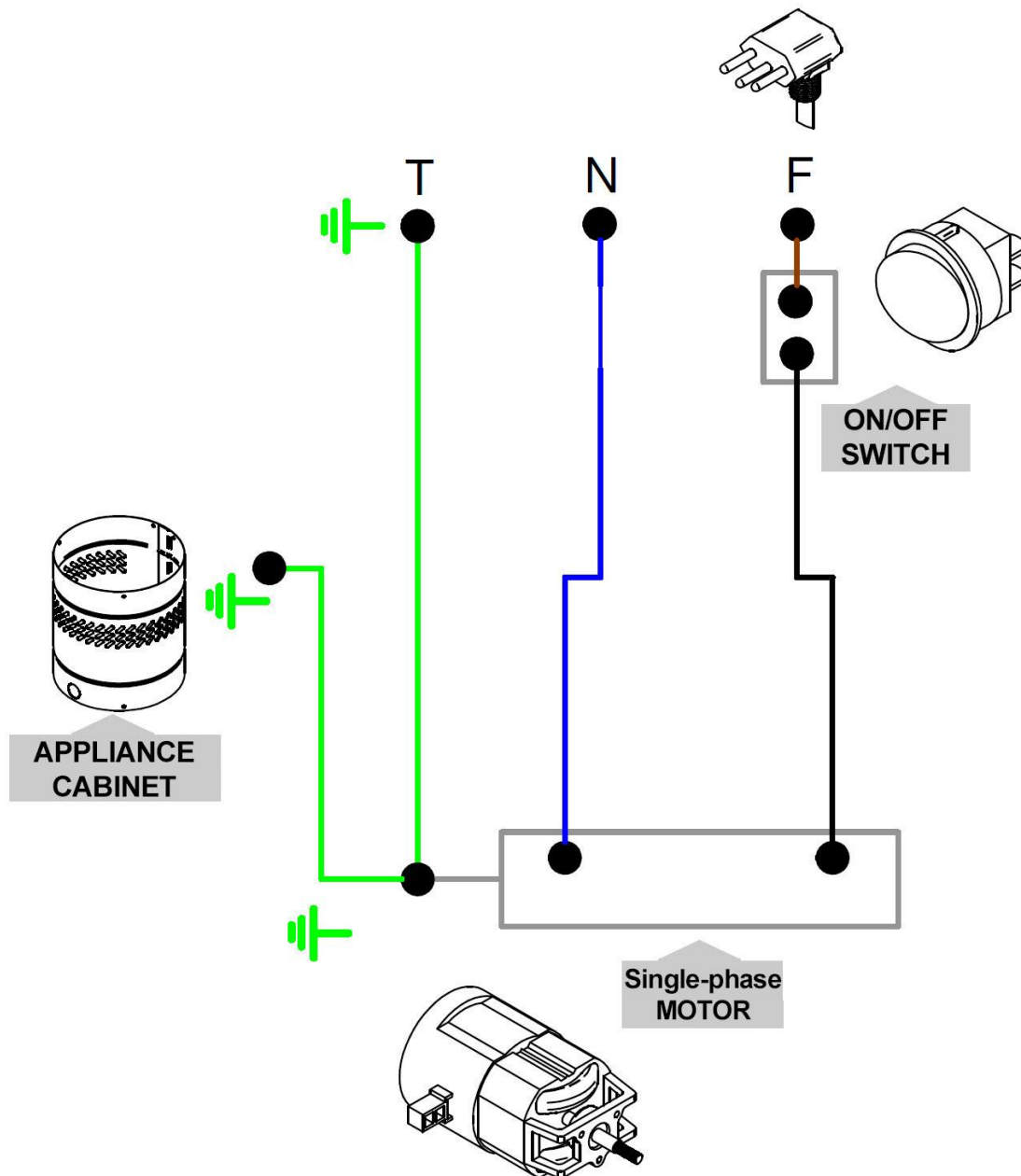
**Make sure the appliance is disconnected from the power grid.**

**Whenever an item related to the safety of the appliance is removed (e.g. when performing maintenance), put it back in its proper place and confirm that it is performing its function correctly.**

When a breakdown or non-compliance is detected, refer your appliance to the nearest technical assistance. See technical assistance on our website: [www.metvisa.com.br](http://www.metvisa.com.br)

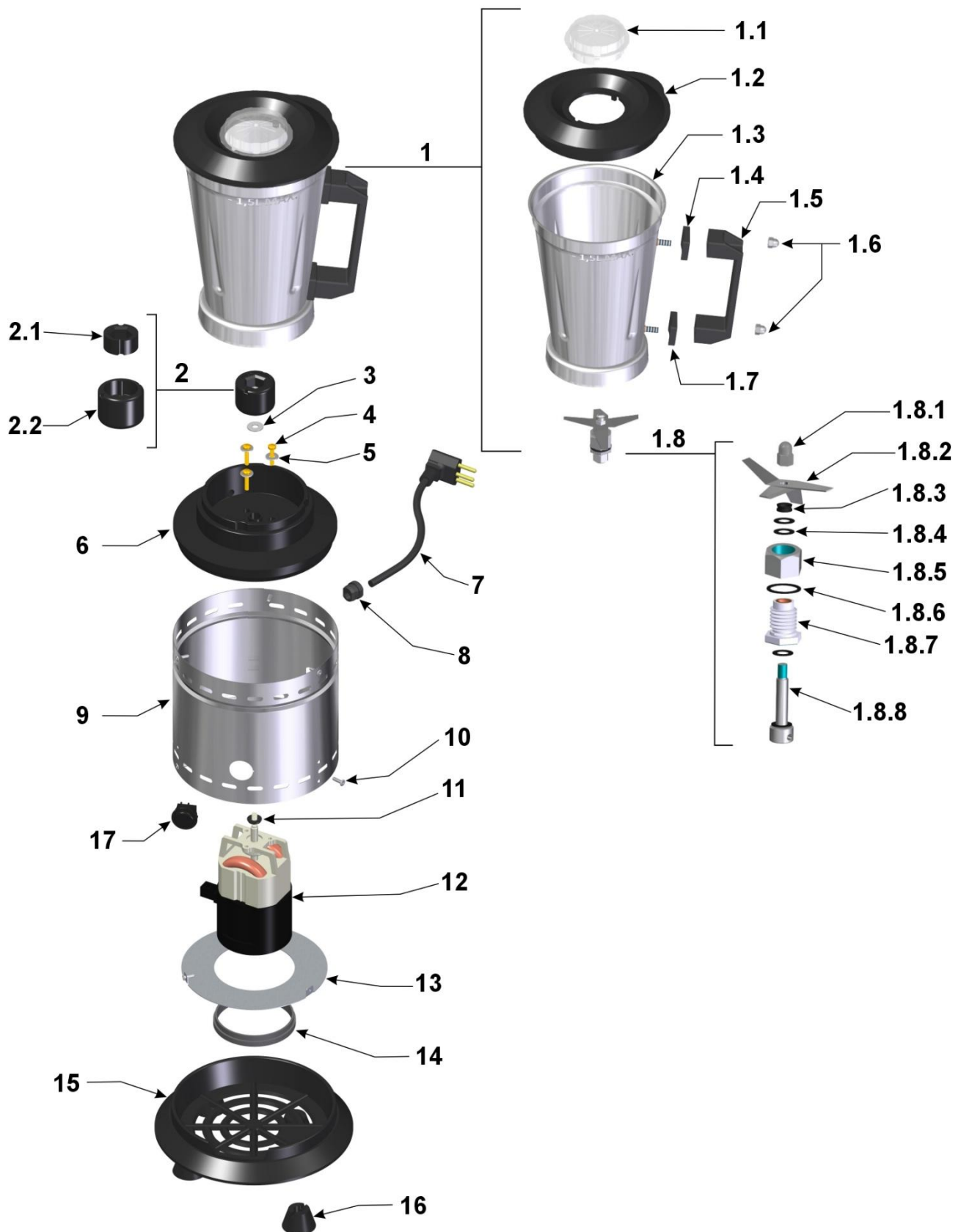
## 6. ANNEXES

### Electrical Scheme - Voltage 110 V or 220 V – 50 Hz/ 60 Hz



**ATTENTION:** The ground connection varies according to the type of plug. For electrical installation observe the current standards of the country, especially with regard to ground connection (if applicable).

## Exploded View Drawing - Models: LAR1.5 / LAR.2



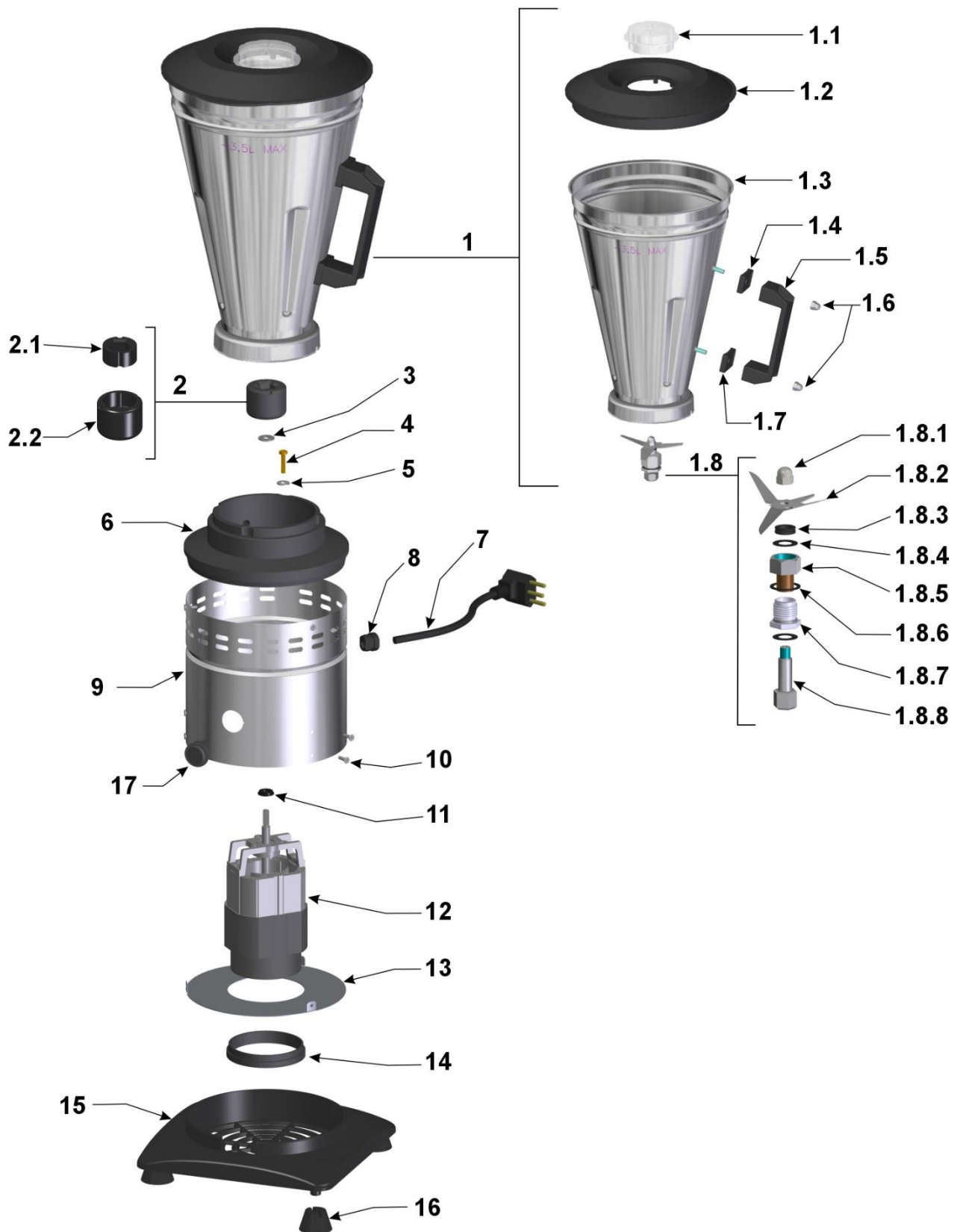
## Replacement Parts - Models: LAR1.5 / LAR.2

Item	Code	Description	Qty.	Application for Model
1	CJT1433	Cup with Full Plastic Cap	01	LAR.1,5
	CJT1456			LAR.2
1.1	TAP103	Overcap of the Blenders	01	*
1.2	TAP156	Plastic Cover	01	*
1.3	COP202	Stainless Steel Dotted Cup 1.5L	01	LAR.1,5
	COP203	Stainless Steel Dotted Cup 2 L		LAR.2
1.4	BCH109	Upper Handle Frame (Radius 80)	01	*
1.5	ACA009	Plastic Handle / Grip	01	*
1.6	POC006	Nut Hat	02	*
1.7	BCH108	Lower Handle Frame (Radius 60)	01	*
1.8	CJT685	Full Bearing	01	*
1.8.1	POC006	Nut Hat	01	*
1.8.2	LMT011	Stainless Steel Blade	01	*
1.8.3	VRG001	V'ring	01	*
1.8.4	ARE012	Celeron Graphite Washer Ø 8	04	*
1.8.5	POE009	Bearing Nut	01	*
1.8.6	ARE036	Celeron Graphite Washer Ø 1/4"	01	*
1.8.7	CJT138	Bearing with Bushing	01	*
1.8.8	EIX206	Hexagonal axle of the Cup	01	*
2	CJT677	Full Coupling	01	*
2.1	BCH085	Blender Coupling Rubber Bushing	01	*
2.2	ADA021	Hexagonal Plastic Coupling	01	*
3	ARL040	Flat Washer	01	*
4	PAG001	Screw	03	*
5	ARL008	Stainless Steel Flat Washer	03	*
6	SUC011	Cup Holder	01	*
7	CBE023	Electrical Cable – Tipo 1	01	**
	CBE029	Electrical Cable – Tipo 2	01	**
	CBE272	Electrical Cable – Tipo 3	01	**
	CBE030	Electrical Cable – Tipo 4	01	**
8	TCE073	Print Cable	01	*
9	GAB183	Cabinet Inox – LAR.1,5 / 2	01	*
10	RBT002	Rivet	09	*
11	RET007	Axle Retainer – LAR.1,5/2	01	*
12	MTE098	Electric Motor 110 V / 800 W	01	*
	MTE097	Electric Motor 220 V / 800 W	01	*
13	CRC1386	Bottom Plate	01	*
14	BCH091	Motor Cushion	01	*
15	BAS102	Round Base	01	*
16	PEP018	Foot for Plastic Base	04	*
17	CHE128	On/Off button	01	*
18	TCE004	Terminal Fit (Blue)	02	*
19	TCE013	Female Terminal (Yellow)	01	*
20	CBE089	Electrical Seam Cable	01	*
21	CBE092	Green Electrical Cable/Yellow Seam	01	*

\* Item applicable to LAR models LAR.1.5 and LAR.2.

\*\* Consult technical assistance or the manufacturer.

## Exploded View Drawing - Models: LAR.2 MAX / LAR.4



## Replacement Parts - Models: LAR.2 MAX / LAR.4

Item	Code	Description	Qty.	Application for Model
1	CJT1433	Cup with Full Plastic Cap	01	LAR.2 MAX
	CJT1456	Cup with Full Plastic Cap	01	LAR.4
1.1	TAP103	Overcap of the Blenders	01	*
1.2	TAP156	Plastic Cup 2 L Lid	01	LAR.2 MAX
	TAP157	Plastic Cup 3.5 L Lid	01	LAR.4
1.3	COP202	Stainless Steel Dotted Cup 2 L	01	LAR.2 MAX
	COP203	Stainless Steel Dotted Cup 3.5 L	01	LAR.4
1.4	BCH109	Upper Handle Frame (Radius 80)	01	*
1.5	ACA009	Plastic Handle / Grip	01	*
1.6	POC006	Nut Hat	02	*
1.7	BCH108	Lower Handle Frame (Radius 60)	01	*
1.8	CJT685	Full Bearing	01	*
1.8.1	POC006	Nut Hat	01	*
1.8.2	LMT011	Stainless Steel Blade	01	*
1.8.3	VRG001	V'ring	01	*
1.8.4	ARE012	Celeron Graphite Washer Ø 8	04	*
1.8.5	POE009	Bearing Nut	01	*
1.8.6	ARE036	Celeron Graphite Washer Ø 1/4"	01	*
1.8.7	CJT138	Bearing with Bushing	01	*
1.8.8	EIX206	Hexagonal axle of the Cup	01	*
2	CJT677	Full Coupling	01	*
2.1	BCH085	Blender Coupling Rubber Bushing	01	*
2.2	ADA021	Hexagonal Plastic Coupling	01	*
3	ARL040	Flat Washer	01	*
4	PAG001	Screw	03	*
5	ARL008	Flat Washer	03	*
6	SUC011	Cup Holder	01	*
7	CBE023	Electrical Cable - Type 1	01	**
	CBE029	Electrical Cable - Type 2	01	**
	CBE272	Electrical Cable - Type 3	01	**
	CBE030	Electrical Cable - Type 4	01	**
8	TCE073	Print Cable	01	*
9	GAB232	Cabinet	01	*
10	RBT002	Rivet	09	*
11	RET007	Retentor do Eixo	01	*
12	MTE302	Electric Motor 110 V / 1000 W	01	*
12	MTE303	Electric Motor 220 V / 1000 W	01	*
13	CRC1386	Bottom Plate	01	*
14	BCH091	Motor Cushion	01	*
15	BAS046	Square Plastic Base	01	*
16	PEP018	Base Blender Foot	04	*
17	CHE128	On/Off Button	01	*
18	TCE004	Terminal Fit	02	*
19	TCE013	Terminal	01	*
20	TCE033	Threaded Connector	01	*
21	CBE092	Electrical Seam Cable	01	*

\* Item applicable to LAR models LAR. 2 MAX and LAR.4.

\*\* Consult technical assistance or the manufacturer.



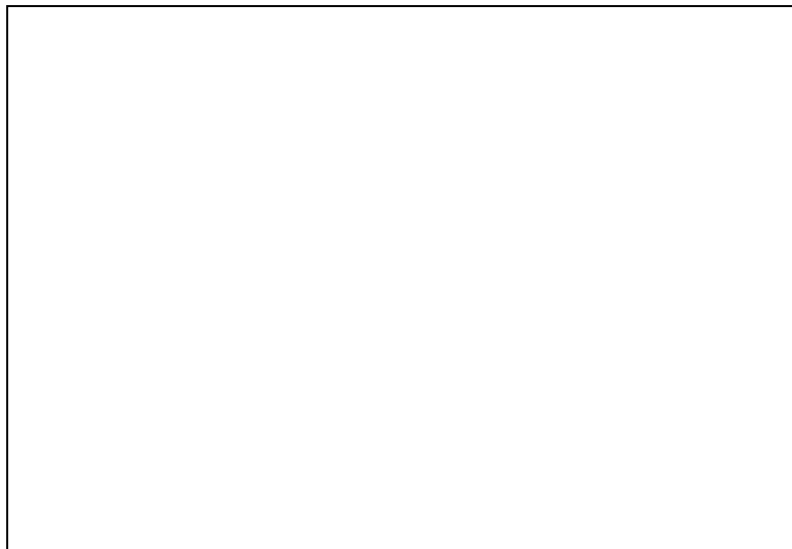
## Notes

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