robot & coupe®



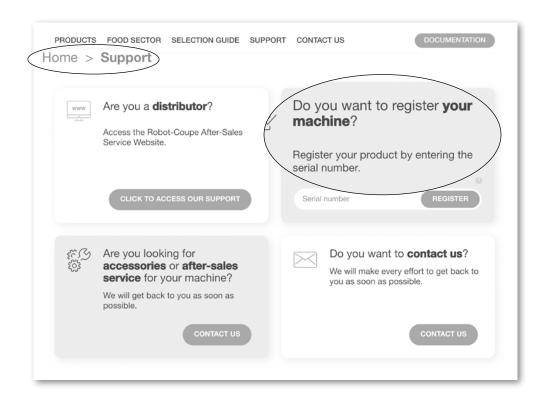


Blixer® 2 D • Blixer® 3 D • Blixer® 4 A • Blixer® 4 V.V. B

www.robot-coupe.com

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Register your product on line







UKCA Declaration of Conformity

Robot-Coupe® SNC declares that all the machines subject of these original instructions, as well as their accessories and their packaging, comply with:

- the essential requirements of the following European directives and with the corresponding national regulations:
- Supply of Machinery (Safety) Regulations 2008 N °1597.
- Electrical Equipment (Safety) Regulations 2016 N °1101,
- Electromagnetic Compatibility Regulations 2016 N °1091,
- Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 N °3032,
- The Waste Electrical and Electronic Equipment Regulations 2013 N °3113,
- The REACH Enforcement Regulations 2008 N °2852,
- The Materials and Articles in Contact with Food Regulations 2012,
- Regulation (EC) No 2023/2006 "Good manufacturing practice for materials and articles intended to come into contact with food".
- The Plastic Materials and Articles in Contact with Food Regulations 2008,
- the provisions of the following harmonized European standards and the standards specifying the safety and hygiene requirements:
- EN ISO 12100 Safety of machinery General principles for design,
- EN 60204-1 Safety of machinery Electrical equipment of machines.

- EN 60529 Degrees of protection provided by enclosures (IP Code):
 - Requirements according to EN 60204-1. Minimum IP34 for control system enclosures,
- and according to the category of the apparatus, with the provisions of the following harmonized European standards specifying the safety and hygiene requirements:
- EN 454... Planetary Mixers,
- EN 1678... Vegetable Cutting Machines (and Juice Extractors),
- EN 12852... Food Processors and Blenders.
- EN 12853 Hand-Held Blenders and Whisks (Power Mixers),
- EN 13208 Vegetable Peelers,
- EN 13621 Salad Dryers,
- Baguette Slicers. - EN 14655...
- The whole with reference to the version in force on the date of this Declaration for all the above directives, regulations and standards, as well as all applicable (EU) regulations which modify, correct and/or rectify them.

"Revision R0"

Isleworth, on September 20th, 2022.

(otten11

Edmund COTTERELL Managing Director

OFF WORTON ROAD AIDDX TW7 8EU

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ROBOT-COUPE S.N.C., LIMITED WARRANTY

Your new ROBOT-COUPE appliance is warranted to the original buyer for a period of one year from the date of sale if you bought it from ROBOT-COUPE s.N.C.

If you bought your ROBOT-COUPE product from a distributor your product is covered by your distributor's warranty (Please check with your distributor terms and conditions of the warranty).

The ROBOT-COUPE s.n.c. limited warranty is against defects in material and/or workmanship.

THE FOLLOWING ARE NOT COVERED BY THE ROBOT-COUPE s.n.c. WARRANTY:

1 - Damage caused by abuse, misuse, dropping, or other similar damage caused by or resulting from failure to follow assembly, operating, cleaning, user maintenance or storage instructions.

- 2 Labour to sharpen and/or replacements for blades which have become blunt, chipped or worn after a normal or excessive period of use.
- **3** Materials or labour to replace or repair scratched, stained, chipped, pitted, dented or discoloured surfaces, blades, knives, attachments or accessories.
- **4** Any alteration, addition or repair that has not been carried out by the company or an approved service agency.
- **5** Transportation of the appliance to or from an approved service agency.
- **6** Labour charges to install or test new attachments or accessories (i.e., bowls, discs, blades, attachments) which have been arbitrarity replaced.
- 7 The cost of changing direction-of-rotation of three-phase electric motors (installer is responsible).

8 - Shipping damages. Visible and latent defects are the responsibility of the freight carrier. The consignee must inform the carrier and consignor immediately, or upon discovery in the case of latent defects.

Keep all original containers and packing materials for carrier inspection.

Neither ROBOT-COUPE s.n.c. nor its affiliated companies or any of its distributors, directors, agents, employees, or insurers will be liable for indirect damage, losses, or expenses linked to the appliance or the inability to use it.

The ROBOT-COUPE s.n.c. warranty is given expressly and in lieu of all other warranties, expressed or implied, for merchantability and for fitness toward a particular purpose and constitutes the only warranty made by ROBOT-COUPE s.n.c. France.

RECOMMENDATIONS CONCERNING THE INSTALLATION OF VARIABLE-SPEED APPLIANCES AND PERSONAL SAFETY

These recommendations apply to machines equipped with an induction motor and a single-phase wobbulator.

NB:

- The electrical circuit and the protective devices must comply with national regulations.
- The machine must be wired in by a qualified electrician

Protecting your appliance

- Like all electronic devices, wobbulators include components that are sensitive to electrostatic discharges (ESDs). Before conducting any work on these wobbulators, technicians must therefore rid themselves of electrostatic charges.
- The machine must be disconnected from the mains supply before any internal connection operations are carried out.
- Repeatedly switching on the appliance will cause the wobbulator to overload and may result in its destruction. After the machine has been switched off, you must wait for 3 minutes before switching it back on again.

Wiring

 The appliance requires single-phase* current as far as the wobbulator, which turns the latter into variable-speed three-phase current to supply the motor.

- You must connect the machine to a 200-240 V / 50 or 60 Hz single-phase* alternating current supply with an earthed socket. A higher voltage will destroy the wobbulator.
- The earthed socket ensures operator safety.

Circuit interrupters ensuring user safety

Ground fault circuit interrupters (GFCIs) intended for variable-speed appliances need to be selected with great care in order to ensure operator safety. GFCIs may be sensitive to alternating current (type AC), impulse current (type A) or all currents (type B).

Danger! Wobbulators feature a bridge-connected rectifier of the mains supply voltage. For this reason, in the event of an earth contact, a continuous fault current may fail to trip a differential circuit breaker that is only sensitive to alternating current (type AC).

As the appliance has a single-phase* supply, it is therefore advisable to use a GFCI that is sensitive to impulse current (type A), identified by the following symbol: ...

Caution: these GFCIs may go under different names, according to the manufacturer.

Appliances with wobbulators produce a fault current on the earth wire. This current may be sufficient to trip the differential circuit breaker unnecessarily. This may occur if:

- Several variable-speed appliances are connected to the same GFCI.
- The appliance produces a fault current that is above the GFCl's actual trip threshold.

Caution: As there are manufacturing tolerances, the actual trip threshold of a GFCI will be between 50% and 100% of its theoretical nominal threshold. Should a problem arise, measure the fault current and the GFCI's actual trip threshold.

You can begin by consulting the characteristics of your appliance in the table below:

	Mains	Conductor Cross-section (mm²)	GFCI (Ph + N)	
Appliance	supply		Gauge (A)	Threshold (mA)
Blixer® 4 V.	200 - 240V 50 or 60 Hz single-phase	1.5	B 16	≥ 30

* Except for specific three-phase 200-240 V models sold in Japan.

IMPORTANT WARNING



WARNING: In order to limit accidents such as electric shocks or personal injury, and in order to limit material damage due to misuse of the appliance, please read these instructions carefully and follow them strictly. Reading the operating instructions will help you get to know your appliance and enable you to use the equipment correctly. Please read these instructions in their entirety and make sure that anyone else who may use the appliance also reads them beforehand. Our equipment is designed for professional use and must not be used by children under any circumstances.

UNPACKING

• Carefully remove the equipment from the packaging and take out all the boxes or packets containing attachments or specific items.

 WARNING - some of the tools are very sharp e.g. blade, discs... etc.

INSTALLATION

• We recommend you install your machine on a perfectly stable solid base.

CONNECTION

- Always check that your mains supply corresponds to that indicated on the identification plate on the motor unit and that it can withstand the amperage.
- The machine must be earthed.
- With the three-phase version, always check that the blade rotates in an anti-clockwise direction.

HANDLING

- Always take care when handling the blades or discs
- they are very sharp.

ASSEMBLY PROCEDURES

• Follow the various assembly procedures carefully (see page 7) and make sure that all the attachments are correctly positioned.

USE

- Never try to override the locking and safety systems.
- Never introduce any object into the container where the food is being processed.
- Never push the ingredients down with your hand.
- Do not overload the appliance.
- Never switch the appliance on while it is empty.

CLEANING

- As a precaution, always unplung your appliance before cleaning it.
- Always clean the appliance and its attachments at the end of each cycle.
- Never place the motor unit in water.
- For parts made of aluminum alloys, use cleaning fluids suitable for aluminum.

- For plastic parts, do not use detergents that are too alkaline (i.e., containing too much caustic soda or ammonia...)
- Robot-Coupe can in no way be held responsible for the user's failure to follow the basic rules of cleaning and hygiene.

MAINTENANCE

- Before opening the motor housing, it is absolutely vital to unplung the appliance.
- Check the seals and washers regularly and ensure that the safety devices are in good working order.
- It is particularly important to maintain and check the attachments since certain ingredients contain corrosive agents e.g. citric acid.
- Never operate the appliance if the power cord or plug has been damaged in any way or if the appliance fails to work properly or has been damaged in any way.
- Do not hesitate to contact your local Maintenance Department if something appears to be wrong.



INTRODUCTION TO YOUR **NEW EMULSIFIER-MIXER**

Blixer® 2 • Blixer® 3 •

Blixer® 4 • Blixer® 4 V.V.

ROBOT-COUPE has developed a new concept in appliances: the Blixer®.

The Blixer® combines the features of two well-known appliances: the cutter and the blender-mixer.

The Blixer® is perfectly geared to professional needs. It can perform any number of tasks which you will soon discover as you use it.

The Blixer® will make it easy to prepare mixed liquid or semi-liquid, raw or cooked meals.

The Blixer® replaces the Blender which has never been entirely satisfactory because it cannot process solid foods.

Thanks to its simple design, all components requiring frequent handling for maintenance or cleaning can be fitted and removed quickly.

To make things easier for you, this manual gives a breakdown of all the various fitting operations.

This manual contains important information designed to help the user get the most out of the emulsifiermixer Blixer®.

We therefore recommend that you read it carefully before using your machine.



SWITCHING ON THE MACHINE

ADVICE ON ELECTRICAL CONNECTION

Before plugging in, check that your power supply corresponds to that indicated on the machine's identification plate.



WARNING

THIS APPLIANCE MUST BE PLUGGED INTO AN EARTHED SOCKET (RISK OF ELECTROCUTION).

Single phase Blixer® 2 - Blixer® 3 - Blixer® 4

The Blixer® 2 / Blixer® 3 / Blixer® 4 comes with different types of motors:

230 V / 50 Hz

120 V / 60 Hz

220 V / 60 Hz

The machine comes with a single phase plug connected to a power cord.

Three phase Blixer® 4

The Blixer® 4 comes with different types

of motors: 400 V / 50Hz

220 V / 60Hz

380 V / 60Hz

This machine is supplied with a cable to which you simply attach the appropriate electrical plug or isolator for you system. The cable has four wires, one earth wire, plus three phase wires.

If you have a 4-pin plug:

- 1) Connect the green and yellow earth wire to the earth pin.
- 2) Connect the three other wires to the remaining

If you have more than 4 pins in the plug, please note the robot-coupe does not require a neutral wire.

Switch on the empty machine, making sure that the blade is rotating properly in an anti-clockwise direction.

If the blade turns in a clokwise direction, swap over two wires.

GREEN YELLOW is the earth, DO NOT DISCONNECT

the **1** and the **2** Swap either:

the **1** and the **3**

or the 2 and the 3

Single phase Blixer® 4 V.V. (Variable speed):

Blixer® 4 V.V. is available with a single phase motor + variable speed: 220-240V/50-60 Hz

The standardized plug must be calibrated to a minimum of 10 amps and preferably 16 amps, if the appliance is used intensively.

• CONTROL PANEL

Red switch "Stop" switch. Green switch "On" switch. Black switch = Pulse control.

Single phase Blixer® 2 - Blixer® 3 - Blixer® 4:

1 speed 3,000 rpm using 50 Hz and 3,600 rpm using 60 Hz.

Three phase Blixer® 4:

Speed selector 1,500 or 3,000 rpm.

Single phase Blixer® 4 V.V.:

Speed variation from 300 to 3,500 rpm.

ASSEMBLY



1) With the motor unit facing you, make sure that the bowl is straight in relation to the motorshaft. with the bowl handle moved slightly to the left.

7



USES & EXAMPLES

2) Turn the bowl handle to the right until the bowl locating plates are securely positioned in their sockets.

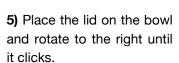
The handle should now be straight in front of you.

3) Position the blade on the motor shaft and lower it right to the bottom of the bowl.

Make sure that it is correctly positioned, by rotating it in the bowl.



4) Make sure the scraper arm is correctly assembled with the lid and the handle.



The device is now ready for use.



The Blixer® will enable you to perform all your cutting tasks in minimum time; we recommend therefore that you keep a close eye on the mixture in order to obtain the desired results.

HOSPITAL USES

SPOON FEEDING

- Minced foods: meat. fish...
- Vegetable purees
- Mousses: vegetables, fish...
- Compotes of stewed fruit

SEMI-LIQUID FEEDING

This simply entails diluting spoon-feeding preparations:

- Minced meat + gravy
 Puree + liquid (broth, milk...)
- Soups / creamed soups
 Fruit compotes + syrup or water

LIQUID FEEDING (for use via tubes)

• Soups and any preparations that can be liquidized.

RESTAURANTS AND DELICATESSEN USES

- Butter mixtures: snail butter, salmon butter, anchovie butter...
- Sauces: green sauce, mayonnaise, remoulade, ailloli, emulsify sauces with tomatoes, cream, parsley...
- Grinding: lobster, scampi, seashells....

PHARMACEUTICAL AND **CHEMICAL LABORATORY USES**

- · Grinding: herbs, seeds, powders, tablets....
- Mixing: homogeneization of creams, ointments, mixed components, varied ingredients...

HYGIENE

• WARNING: NEVER USE PURE BLEACH.

- Correctly diluate the detergent following the instructions given by the manufacturer which are generally printed on the packaging.
- If necessary, well rub.
- Let the detergent operate if needed.
- Rinse meticulously.
- Well dry with an unique use cloth.

WARNING

As a precaution, always unplug your appliance before cleaning it (risk of electrocution).

MOTOR UNIT

Never immerse the motor unit in water. Clean it with a damp cloth or sponge.

BOWL

After removing the lid, remove the bowl from the motor unit by rotating it to the left. Pull up to disengage, leaving the blade in the bowl in order to prevent any spillage when working with liquids.

If the food has a solid consistency, remove the blade and empty the bowl.

Replace the bowl, place the blade on the shaft and switch on the machine in order to remove any mixture which may have stuck to the blade.

• BLADE

Blixer® 2

Remove the cap from the blade using the cleaning accessory.

Clean inside the centre of the blade using the cleaning accessory then rinse inside using a water spray.

Then wash the blade in the dishwasher.

After washing, always wipe the blade well in order to prevent oxidation.

Blixer® 3 - Blixer® 4

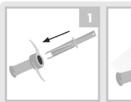
Clean inside the centre of the blade using the cleaning accessory then rinse inside using a water spray.

Then wash the blade in the dishwasher.

After washing, always wipe the blade well in order to prevent oxidation.













IMPORTANT

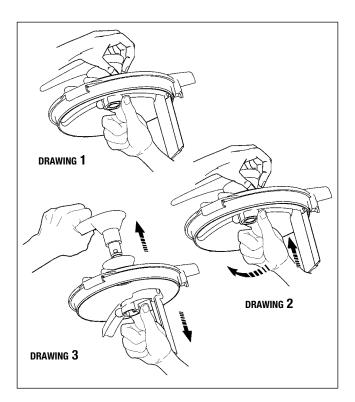
Check that your detergent is suitable for cleaning plastic parts. Some washing agents are too alkaline (e.g. high levels of caustic soda or ammonia) and totally incompatible with certain types of plastic, causing them to deteriorate rapidly.

SCRAPER ARM

To clean the scraper arm, dismantle it as follows. Hold the scraper arm in one hand and the hub in the other hand (drawing1).

Press the two pieces one on the other, and turn the handle of 45° anticlockwise (drawing 2).

Then it is possible to pull out the two pieces (the scraper arm and the handle) from the lid and clean them (drawing 3).



MAINTENANCE

• BLADE

The quality of the cut depends mainly on the sharpness of your blades and the degree of wear.

The blades are actually wearing parts, which should be replaced occasionally to ensure consistent quality in the final product.

MOTOR SEAL

The motor seal around the motor shaft should be lubricated regularly using a food safe lubricant.

In order to keep the motor completely watertight, it is advisable to check the motor seal regularly for wear and tear and replace it if necessary.

The motor seal can be easily replaced without having to remove the motor, so we strongly advise you to ensure that it is in good condition.

LOCKING WASHER ASSEMBLY

The locking washer assembly is located on the lower inside of the bowl and holds the bowl in place.

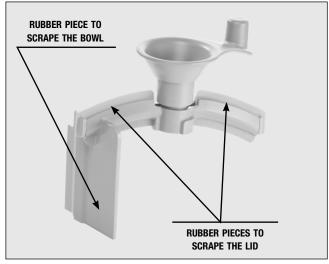
If it becomes worn, it needs to be replaced.

SCRAPER ARM

The scraper arm is equipped with rubber pieces which are wearing parts.

They should be replaced occasionally to always ensure an optimum efficiency of the scraper arm.

These pieces are easy to dismantle and to reassemble.



TECHNICAL SPECIFICATIONS

WEIGHT

	Net	Gross
Blixer® 2	10 kg	12 kg
Blixer® 3	12 kg	13,5 kg
Blixer® 4	16 kg	17 kg
Blixer® 4 V.V.	16 kg	17 kg

• DIMENSIONS (in mm)

Blixer® 2	Blixer® 3	
A 400	A 460	
B 305	B 305	
C 245	C 245	
D 175	D 205	
Blixer® 4	Blixer® 4 tri	robot & cooper
mono	Blixer® 4 V.V. mono	D eoo
A 495	A 495	
B 315	B 315	
C 245	C 245	
	D 205	B

WORKING HEIGHT

We recommend that you position the Blixer® on a stable worktop so that the upper edge of the cutter bowl is at a height of between 1.20 and 1.30 m.

NOISE LEVEL

The equivalent continuous sound level when the Blixer® is operating on no-loads is less than 70 dB (A).

• ELECTRICAL DATA

The electrical installation must be configured at minimum in accordance with the nominal currents below. The protection devices must be compatible with motor starting, in order to supply the peak current required to start induction motors.

Blixer® 2 single phase machine

Motor	Speed (rpm)	Intensity (Amp.)
230 V / 50 Hz	3,000	6
120 V / 60 Hz	3,600	13

Blixer® 3 - Blixer® 4 single phase machine.

Motor	Speed (rpm)	Intensity (Amp.)
230 V / 50 Hz	3,000	6
120 V / 60 Hz	3,600	13

Blixer® 4 three phase machine

Motor	Speed 1 (rpm)	Speed 2 (rpm)	Intensity (Amp.)
400 V / 50 Hz	1,500		2.0
400 V / 50 HZ		3,000	2.7
220 V / 60 Hz	1,800		3.8
220 V / 60 HZ		3,600	5.2

Blixer® 4 V.V. single phase machine

Motor	Speed (rpm)	Intensity (Amp.)	
220-240V/50-60 Hz	300 to 3,500	10	

SAFETY

WARNING

The blades are extremely sharp.

Handle with care.

These models are equipped with a safety system and motor brake. They cannot be turned on if the bowl and lid are not locked into place on the motor base.

To stop the motor, always use the red "Stop" button. In addition, due to the food's potential inertia depending on its nature, quantity and viscosity, combined with the associated risk of spattering, never open the lid before the motor has come to a complete stop and the preparation has stopped moving.

This will ensure the lid's seal remains watertight, thus eliminating any risk of liquid preparations spattering. Risk of burns from hot preparations.

To resume operating your machine, simply re-lock the lid into place and press the "Start" (green) or "Pulse" (black) button.

These models are equipped with a **thermal failsafe** that automatically stops the motor if it is overloaded.

In this case, wait for the machine to cool down before turning it on again.

A REMENBER

Never try to override the locking and safety systems.

Never insert an object into the container where the food is being processed.

Never push the ingredients down with your hand.

Do not overload the appliance.

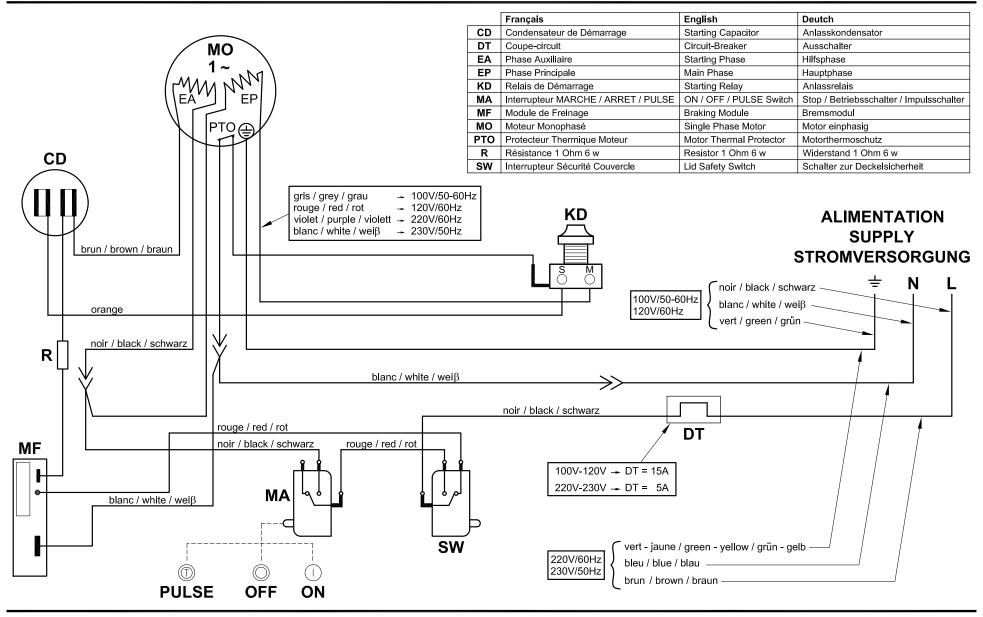
Never switch the appliance on when it is empty.

STANDARDS

Consult the declaration of compliance on page 2.



ELECTRICAL AND WIRING DIAGRAMS



robot@coupe®

N° 402980 (e)

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Maj: 11/23

R3D 3000, BLIXER®3D, BLIXER®4, BLIXER®4A

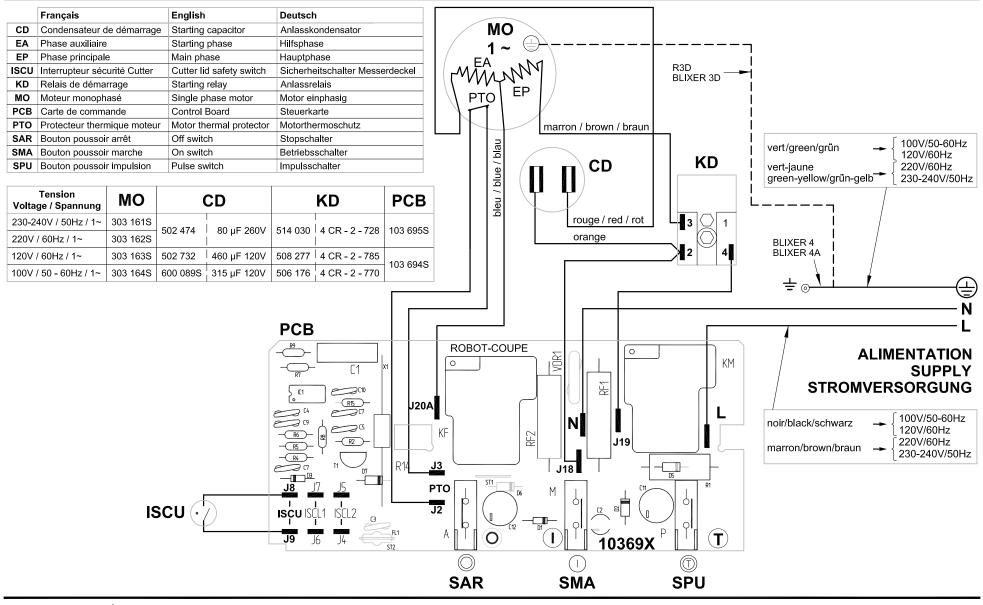
100V/50-60Hz - 120V/60Hz - 220V/60Hz - 230-240V/50Hz 1~

SCHEMA ELECTRIQUE

ELECTRIC DIAGRAM

ELEKTRISCHES SCHALTBILD

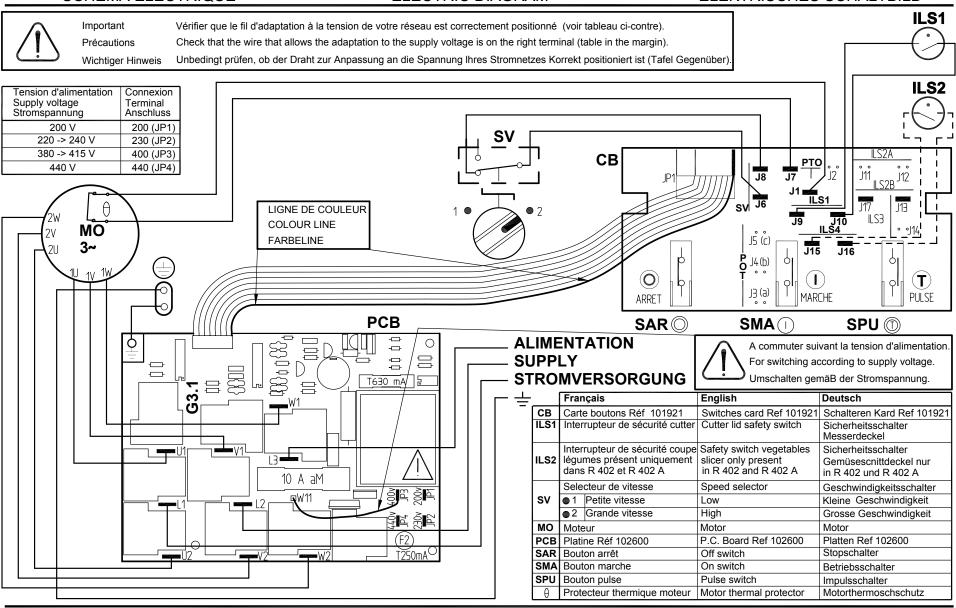
Maj 11/20



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N° 407709 (f)

R4-R4 A - Blixer® 4-Blixer® 4 A - R402-R402 A 230V/50Hz - 380-415V/50Hz - 220V/60Hz - 380-415V/60Hz 3~ SCHEMA ELECTRIQUE ELECTRIC DIAGRAM ELEKTRISCHES SCHALTBILD

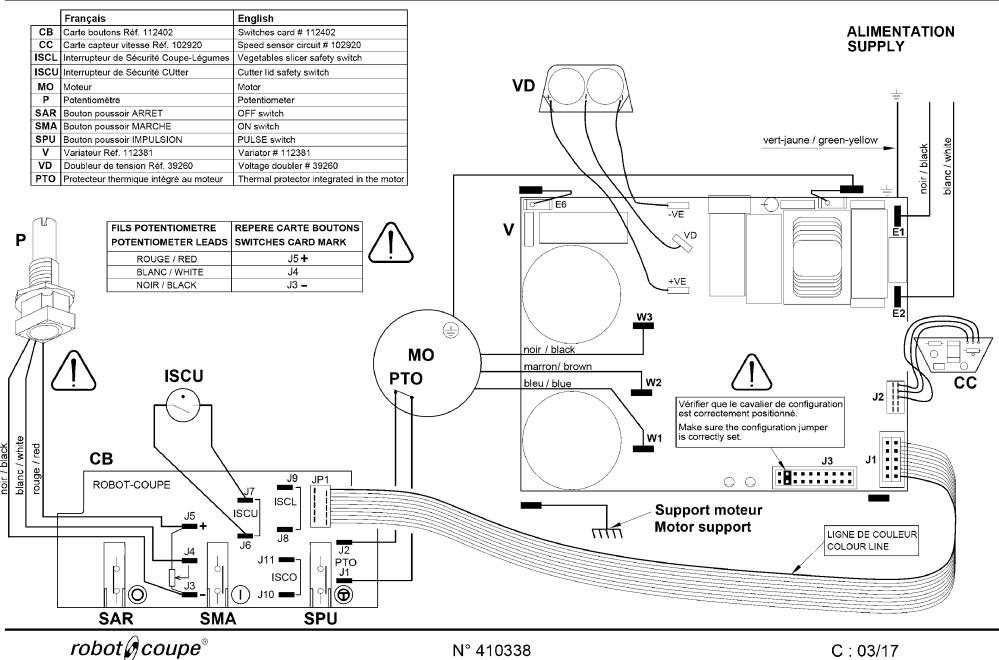


robot@coupe®

N° 407857 b

Maj: 10/07

ELECTRIC DIAGRAM



N° 410338

C: 03/17



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