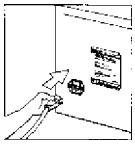


### 2.3 Power Source Wiring



Check main lines and frequency: They must correspond to the values shown on the instrument identification label.

**PK130 230V:**  
230 V + 5% - 10% 50 Hz (1 phase + ground)

**PK130 120V:**  
120 V + 5% - 10% 60 Hz (1 phase + ground)



#### WARNING:

**ENSURE THAT THE POWER SOURCE IS PROPERLY GROUNDED.**

The centrifuge is equipped with R.F.I. filters. The manufacturer declines all responsibility for any damages due to improper grounding of the machine.

### 2.4 Environmental conditions

- Indoor use.
- Temperature: 5°C to + 40°C.
- Maximum relative humidity: 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C.

### 2.5 Lid Unlock



1. Turn the centrifuge on (switch is on the left side of the unit).

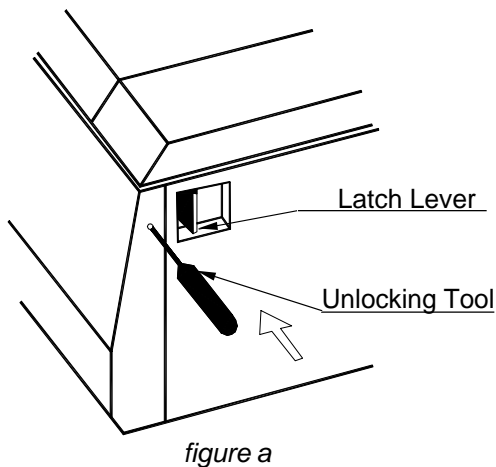


figure a

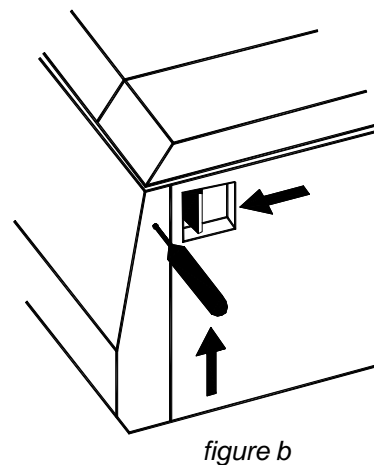


figure b

2. Check the lid indicator on the display panel. The light should be on indicating that the rotor is stationary and that the lid can be opened.
3. Pull the lever on the top right side of the machine to open the lid.



#### WARNING:

**BEFORE PROCEEDING TO THE INSTALLATION OPERATION, IT IS IMPORTANT TO TURN THE CENTRIFUGE OFF.**

4. After opening the lid, remove any possible packaging around the spindle. Unscrew the rotor nut from the top of the spindle. Carefully clean the inside of the centrifugation chamber removing any packaging residue. Because of the turbulence caused by centrifugation, solid particles accidentally left in the chamber could create excessive wear of the bowl and rotor.

### 2.6 Emergency Lid Unlock

In the event of power failure, the lid can be opened using the special tools supplied with the centrifuge. The centrifuge must be unplugged before starting this procedure.

1. Remove the nylon screw in the hole on the right side of the centrifuge as identified below.
2. Insert the unlocking tool, keeping the blade horizontal (*figure a*).
3. Lift the unlocking tool while simultaneously pulling the lever (*figure b*).

4. After the lid is open, replace the nylon screw.



**CAUTION:**

*SHOULD THE POWER FAIL DURING CENTRIFUGATION, WAIT AT LEAST 40 MINUTES FOR THE ROTOR TO STOP TURNING. OPEN THE LID CAUTIOUSLY AND OBSERVE THE ROTOR; IF IT IS STILL ROTATING, CLOSE THE LID AND WAIT 10 MINUTES MORE BEFORE REPEATING THE OPERATION.*

2.7 Inspection

Before installation, the rotating equipment should be thoroughly inspected for corrosion and dirt (see 6.3). The rotor and spindle should be clean and undamaged. These accessories should be wiped clean before each use. Any failure to follow the above advice may have serious consequences for the safety of the appliance. Corrosion can lead to stress fatigue, which will eventually weaken the rotor and may lead to disruption and severe damage to the centrifuge. If visible signs of corrosion or anomalies in the rotor or buckets are present, do not use the affected accessories. Contact an authorized service provider for assistance.

2.8 Fitting the Rotor to the Drive Shaft

- Remove the rotor fixing shaft nut.
- Check the cleanliness of the shaft and the rotor.
- Place the rotor on the shaft .
- Secure the rotor on the shaft by turning the fixing nut clockwise.
- Tug on the rotor to make sure that it is secure.



**CAUTION:**

*BE SURE THAT THE ROTOR IS LOCKED BEFORE STARTING THE CENTRIFUGE.*

2.9 Removal of the Rotor

To remove the rotor from the motor shaft : Using the wrench supplied, unlock the shaft nut. Remove the nut and lift the rotor with both hands.