



SPX 1280 CL

RESCUE CARD

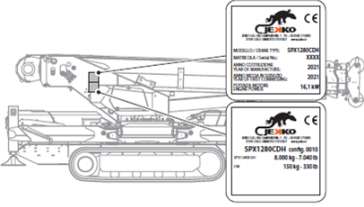



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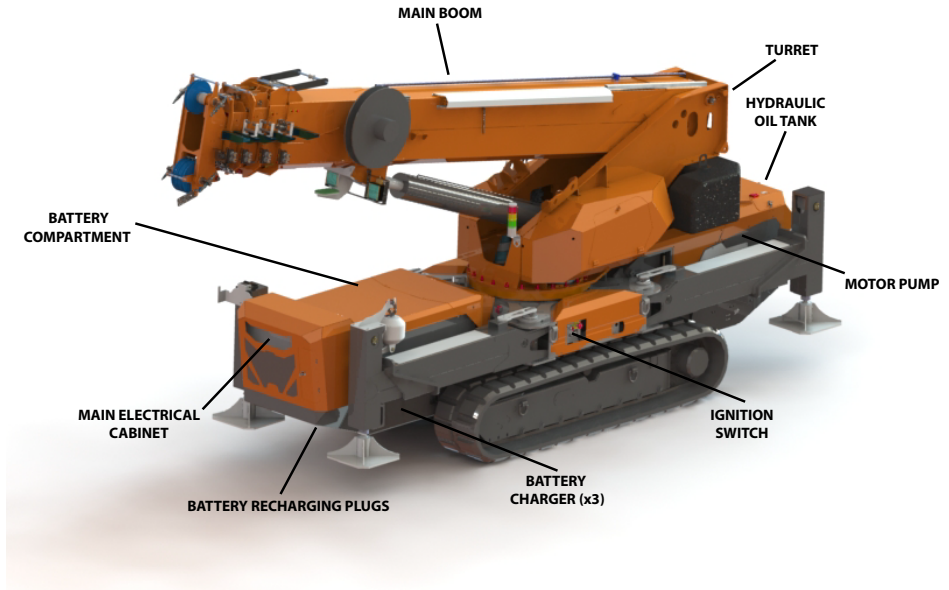
## HOW TO IDENTIFY THE MACHINE MODEL

1		<p>Position of the CE identification plate bearing the machine model and serial number stamped on the frame</p>
2		<p>The machine model appears on the display and is also stamped on the CE identification plates located on the side of the turret and on the chassis.</p>

The name of the Jekko micranes belonging to the SPX series includes indication of their model and of their main powering system. See the table below for reference:

Abbreviation	Powering system
CL-3	Powering system

## APPEARANCE OF THE MACHINE AND ITS MAIN PARTS




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## **SAFETY**

The CL3 electric machines are fitted with PELV (Protected Extra-Low Voltage) systems that power the software, the sensors, the signalling devices and the lighting while parts such as the motor pump are powered by low-voltage systems.

### **PPE required**

Operation on low-voltage systems requires suitable Personal Protective Equipment (PPE) including the following:

3		<p><b>Electrical insulated gloves:</b></p> <ul style="list-style-type: none"><li>• Tested for use up to 1000 volt.</li><li>• Made of natural rubber.</li><li>• Compliant with the EN 60903 standard.</li><li>• Protection against arc flashes (class 1 protection) in compliance with the EN 61482-1 standard.</li><li>• Length: 400 mm.</li><li>• Do not use after the expiry date.</li></ul>
4		<p><b>Face shield:</b></p> <ul style="list-style-type: none"><li>• Full face protection and total field of vision.</li><li>• Protection against splinters.</li><li>• Protection against acids and alkali.</li><li>• Protection against arc flashes (class 1 protection) in compliance with the EN 61482-1 standard.</li></ul>
5		<p><b>Protective clothing (at least class 1 protection):</b></p> <ul style="list-style-type: none"><li>• Protection against sparkles, arch flashes and flames: long-sleeve flame-resistant vest compliant with the EN 61482-1-2 standard.</li></ul>

<p>6</p>		<p><b>Safety footwear:</b></p> <ul style="list-style-type: none"> <li>• Fitted with toe protection.</li> <li>• Antistatic inner sole, and oil- and hydrocarbon-resistant outer sole with anti-slip profile.</li> <li>• Compliant with the EN 345-1 S1 standard.</li> </ul>
<p>7</p>		<p><b>Fire fighter personal protective equipment for intervention on vehicles fitted with low-voltage systems:</b></p> <ul style="list-style-type: none"> <li>• Protection headgear, closed visor.</li> <li>• Coverall for intervention.</li> <li>• Kevlar gloves (thermal protection).</li> <li>• Electrical insulated gloves.</li> <li>• Safety footwear (intervention footwear).</li> </ul>

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## **TOOLS:**

- Insulated tool, set of wrenches / socket wrench, mechanical locking.
- Voltage detector (at least Category III) to check that the system is de-energized.
- Combined device.
- Insulation tester (test voltage at least equal to the rated voltage of the HV system).
- Resistance tester / continuity tester to check the protection equipotential bonding.
- Insulating material (cloth, tape, film, bag) tested up to 1000 V to cover exposed contacts.
- Material to set up a barrier that prevents non-authorized people from having access to the vehicles.
- Warning stickers, e.g. «Equipment out of service, do not carry out any intervention».
- A personal padlock (single key) or a cover with locking disk to prevent high-voltage systems from non-authorized restartings.
- Multipurpose ABC foam extinguisher with anticatalytic action

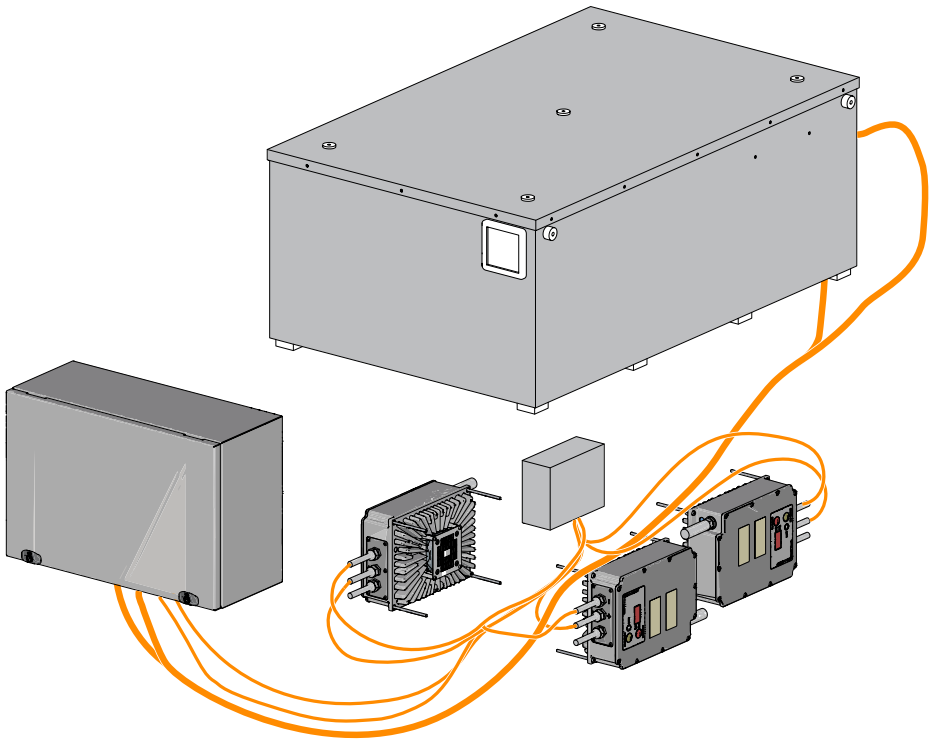


**Low-voltage systems and power systems shall only be maintained by specifically trained technicians.**

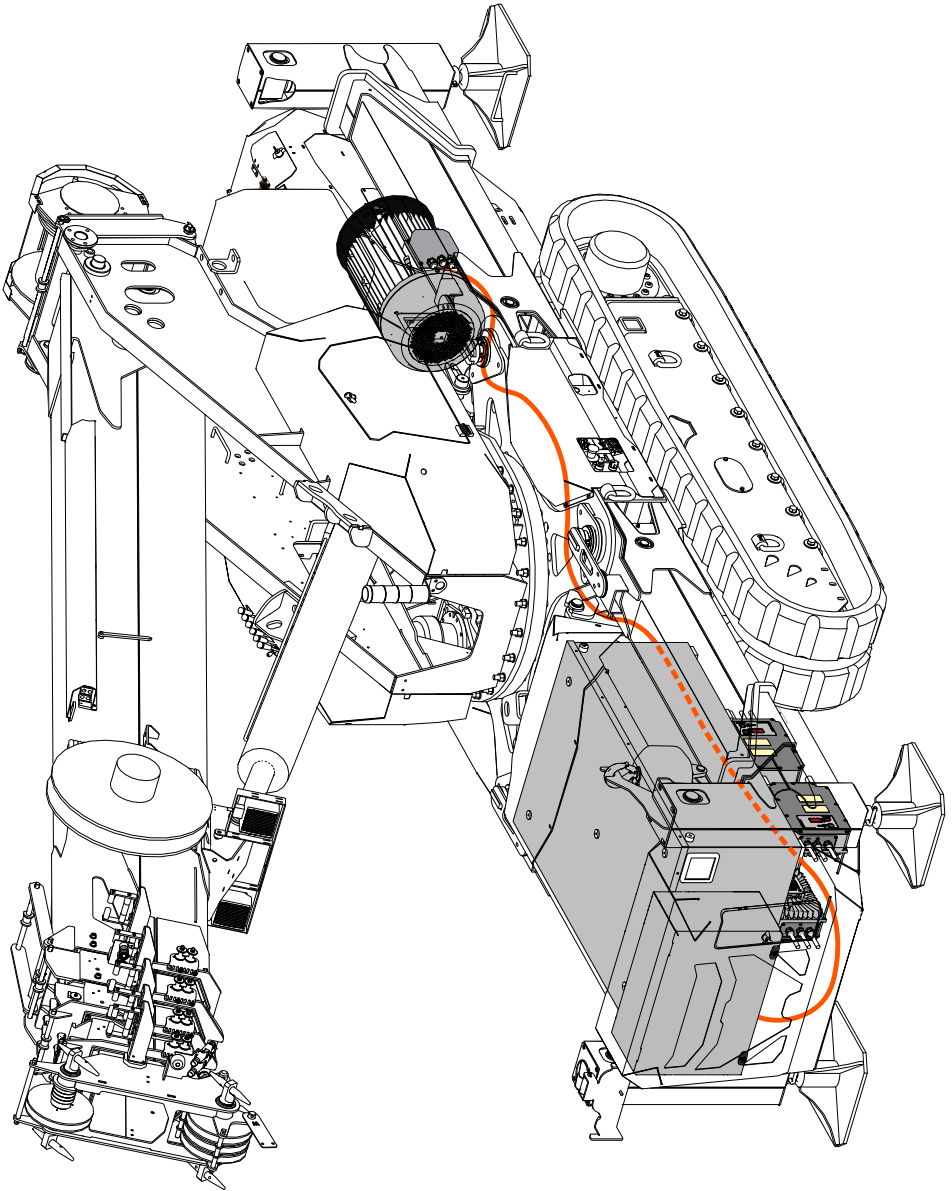
## CABLE ROUTE

The images here below show how the DC power cables are routed. The cables shown in orange – as they are also indicated on the machine – work at a rated voltage > 60 V DC.

Routes connecting the electrical cabinet, the batteries and the battery charger.



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## USE AND OPERATION OF THE BATTERY DISCONNECTING SWITCH:

- Turn the key on OFF to switch off the electronic units.
- Turn the battery disconnecting switch on OFF.
- Padlock the disconnecting switch.
- Disconnect the 12V battery.
- 

### 5 safety rules



**1**  
Disconnect.



**2**  
Take the necessary action to avoid connection



**3**  
Make sure the system is de-energized.



**4**  
Earth and short-circuit the system.



**5**  
Protect yourself from nearby under-voltage systems.

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1.  
Disconnect

## Direct Disarming Procedure



Block access to the vehicle and mark it.



Disconnect the contact



Disconnect the negative cable from the 12V battery.



Check the insulating gloves.



Turn the disconnecting switch on OFF. Put on insulating gloves, long-sleeve clothing and headgear protecting against arch flashes.



2.  
Take the necessary action to avoid connection.



Keep the key in a safe place where non-authorized people have no access. Keep keyless systems at a suitable distance from the vehicle.



Make sure the battery cannot be re-started.



3.  
Make sure the system is de-energized.



Test the measuring instrument on the 12V battery (point 1 of the 3-point rule).



Test the measuring instrument on the 12V battery (point 1 of the 3-point rule).



Test again the measuring instrument on the 12V battery (point 3 of the 3-point rule).

## What to do in case of fire

In case of fire, use any of the following extinguishers: powder, water, CO2 or standard foam extinguishers. In case the batteries are on fire, refer to the battery technical specification attached (part 5).

Abstract of "Information Documents on the Safety of the Battery Manufacturer":

**Fire extinguishing methods: Powder, water, CO2 or standard foam extinguisher.**

standard.

**Fire fighting procedures:** Use a self-contained breathing apparatus and protective clothing.

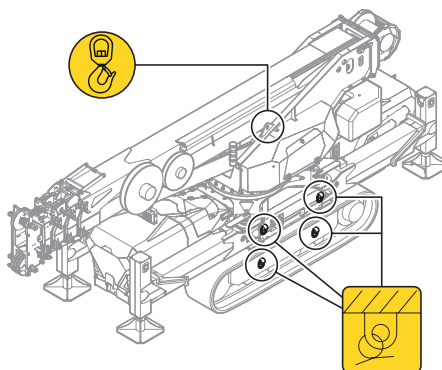
**Unusual dangers of fire and explosion:**

**A fire involving the cells or the battery might generate toxic gases (HF, PF6). Either the battery or the cells might catch fire and provoke an escape of organic vapours potentially dangerous if exposed to excessive heat, fire or overvoltage. Damaged or open cells or batteries might cause sudden heat and release flammable vapours.**

### **ANCHOR FOR TRANSPORT AND HOISTING OF THE MACHINE**

The machine has 8 anchor points symmetrically positioned on both sides, four on the bed and four on the tracks. Dedicated labels indicate the anchor points. The figure here below shows the 4 anchor points located on the left side of the machine.

The machine is also fitted with 2 hoisting points located on the turret, one on the right side and the other on the left side.



**Any other eyebolt not shown in the picture has not been designed to anchor the machine during transport.**

**Any anchor device (chains, ropes, hooks, etc.) shall be correctly dimensioned.**



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