

Original user manual

Jasopels Farm Cat



1. Declaration of Conformity

EU Declaration of Conformity

Manufacturer: Jasopels A / S
Address: Fabriksvej 19,

Tel. +45 76 14 35 00
DK-7441 Bording

Machine: Farm Cat
Type: 2318-37502003

Jasopels A / S declares that this product is in accordance with the following EU directives:

2006/42/EC

2006/95/EC

2006/108/EC

Furthermore, we declare that the following harmonized standards have been applied:

EN 60204-1

DS/EN 12100 : 2005

DS/EN 14121-1

DS/EN 14121-2

DS/EN 13857

Place and date: Bording 15th May 2013

Name: CEO Poul Bach

A handwritten signature in black ink, appearing to read "Poul Bach".

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3. Preface

- This User Manual is an important part of your new machine. Read the manual carefully and use it as a reference book.
- This manual contains important information about safety and the proper use of the machine.
- The manual should be stored with the machine. It is important that the user manual is supplied with the machine upon resale and loan out.
- The owner of the machine must make sure that the operator, service personnel and others who have access to the machine are instructed on the proper use and handling of the machine. Read this user's manual for more information.

4. Symbol explanation

- Please read this manual and follow the instructions. In order to emphasize certain information, the following expressions are used:



- Note!

A triangle containing an exclamation mark is a warning symbol that warns you of important instructions or information concerning this machine.



- Warning!

A triangle containing a warning about an entanglement and crush hazard.

5. Introduction to the machine

- Jasopels Farm Cat has been designed to clean the manure gutters under the mink cages.
- Farm Cat can be used with both types of manure outlets - those placed in the middle of the gutter as well as those placed at its ends.
- Jasopels Farm Cat can be programmed so that it starts automatically at a given time, or can be switched on manually.
- Farm Cat is made of stainless materials and has now a double forward drive for a better grip.

Note!

- The owner of the machine must make sure that the operator, service personnel and others who have access to the machine are instructed on the proper use and handling of the machine.
- The machine may only be used for the purpose it is designed for. The CE Declaration lapses upon any other use of the machine.
- If any problems occur with the machine or its operation, the machine must be properly shut off before correcting the problem, unless the correction can be made using the machine's control buttons.
- The user manual must always be kept available for the operator.



6. Start-up

- The machine comes in two different variants. The first one is meant for manure outlet placed at the end of the gutter, the other one for manure outlet placed in the middle of the gutter.
- Before the machine is placed in service, charging rails and sensors must be installed on the gutter.



Service tool.

Battery connection.

Fig. 1 Installation

- **Always disconnect the battery** before installation/servicing.
- Install the service tool and Farm Cat can now be placed laid in the manure gutter.

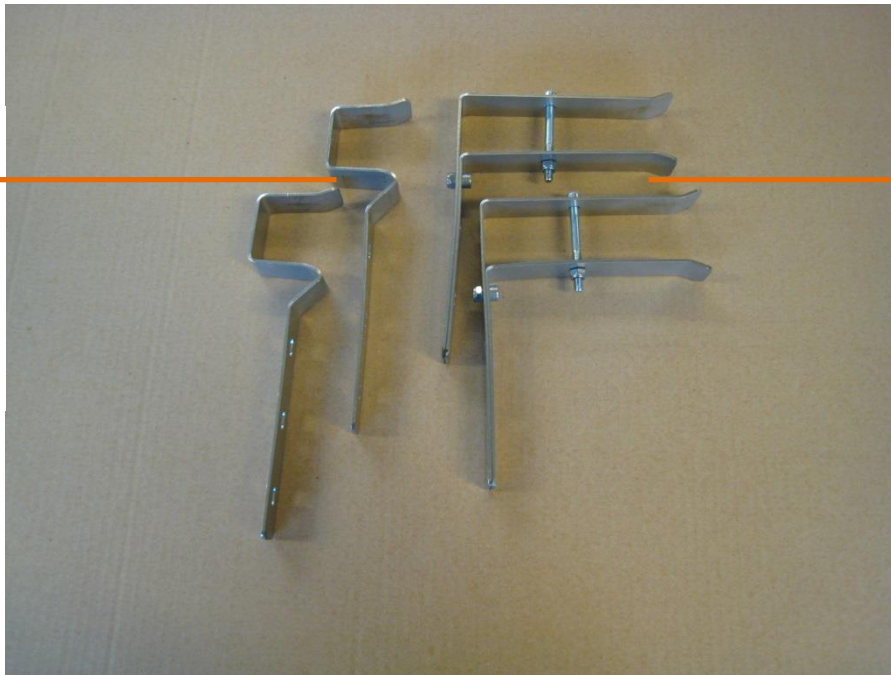
DANGER!

Disconnect the machine's power supply before installation and servicing.



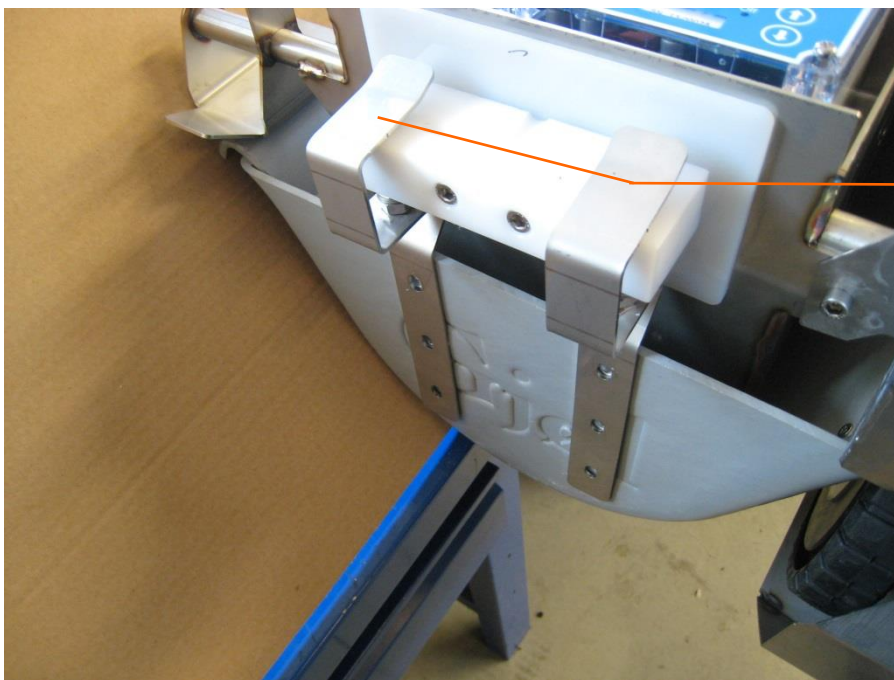
- Before the machine is placed in service, both charging rails and position sensors must be installed on the gutter.

A set of charging rails for Farm Cat with 1 scraper.



A set of charging rails for Farm Cat with 2 scrapers.

Fig. 2. Charging rails.



Charging rails are put loosely on the poles.

Fig. 3 Charging rails installation.

- Farm Cat is placed at this end of the manure gutter in which you wish to have a charging station. Charging rails are put around the charging poles of the machine.



A hole should be bored with a 6 mm drill bit.

Fig. 4. Attachment of charging rails.

- In case of Farm Cat with 2 scrapers, the scraper facing the end of the manure channel should be "up". If it is not up, the machine makes a manual tour until it reaches the manure outlet magnets and then changes. (See fig. 11)



Bolts should be sealed with silicone.

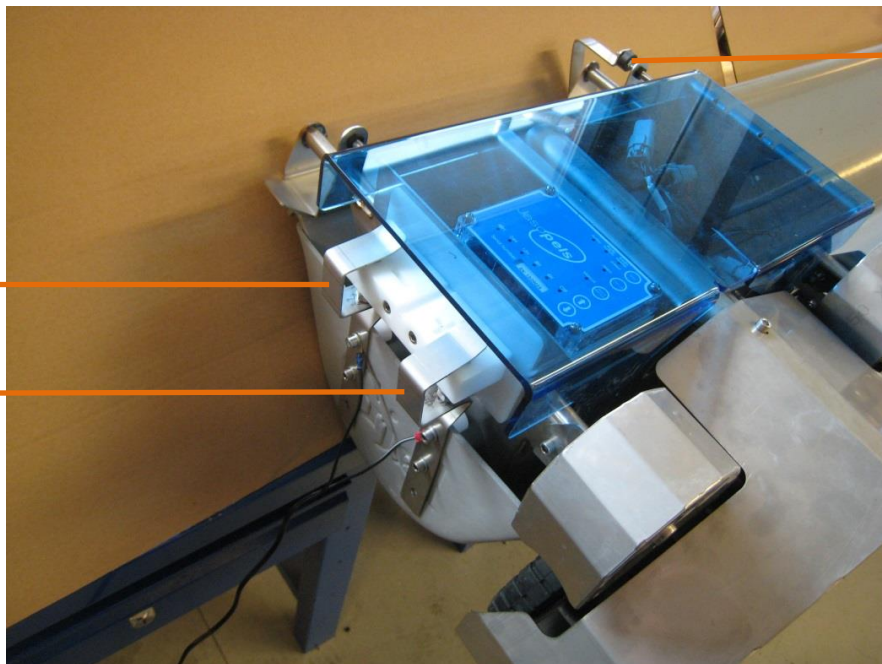
Fig. 5. Sealing the screws.

- Bolts should be sealed with silicone.



Charging rails' ends are tightened around the poles.

Fig. 6. Installation of a plastic stop.



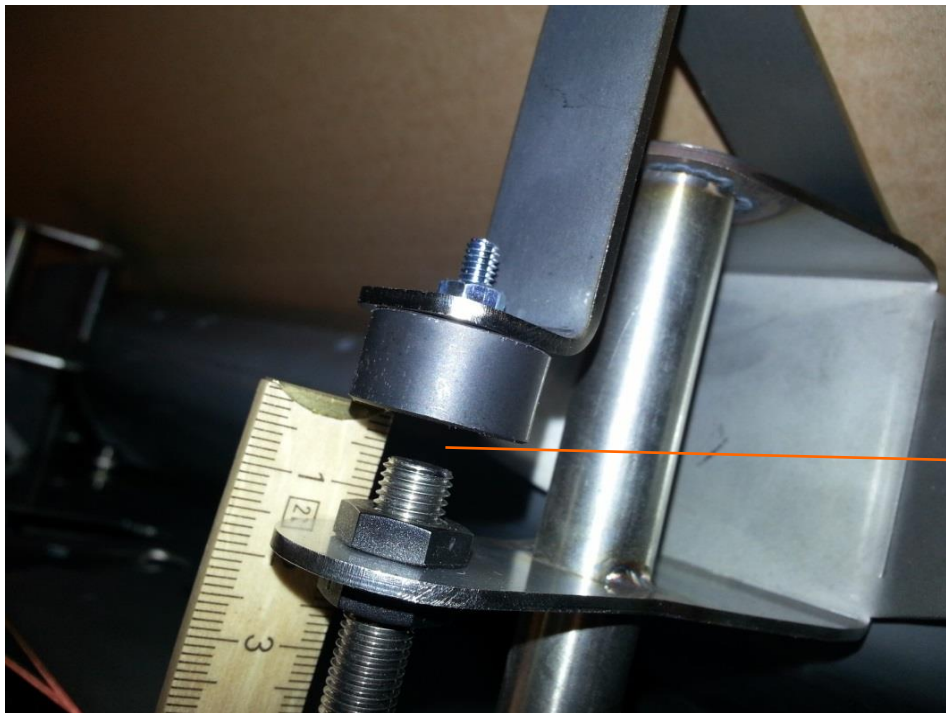
A sensor is installed at the opposite end of the charging station.

Blue coupling
to -

Red coupling
to +

Fig. 7. Installation of the charging wires.

- A wire with the red plug is installed on a charging rail marked with +. A wire with the blue plug is installed on a charging rail marked with -.
- Charging station is connected to a 220 V supply.
- A mounting with magnet is installed on a sensor which is furthest from the charging rails.



Distance on the sensor 5 -15mm

Fig. 8. Adjusting a sensor.

- A distance between sensor and magnet should be between 5 and 15 mm.



Fig. 9. Sensor at manure outlet at this end.

- It is the sensor which is closest to the charging poles that determines the point at which the device begins to move backwards.
- A magnet should be installed in a place where you wish to have a “turnaround” point; it is applicable both for manure gutters with an outlet in the middle as well as for the ones with an outlet at the ends.

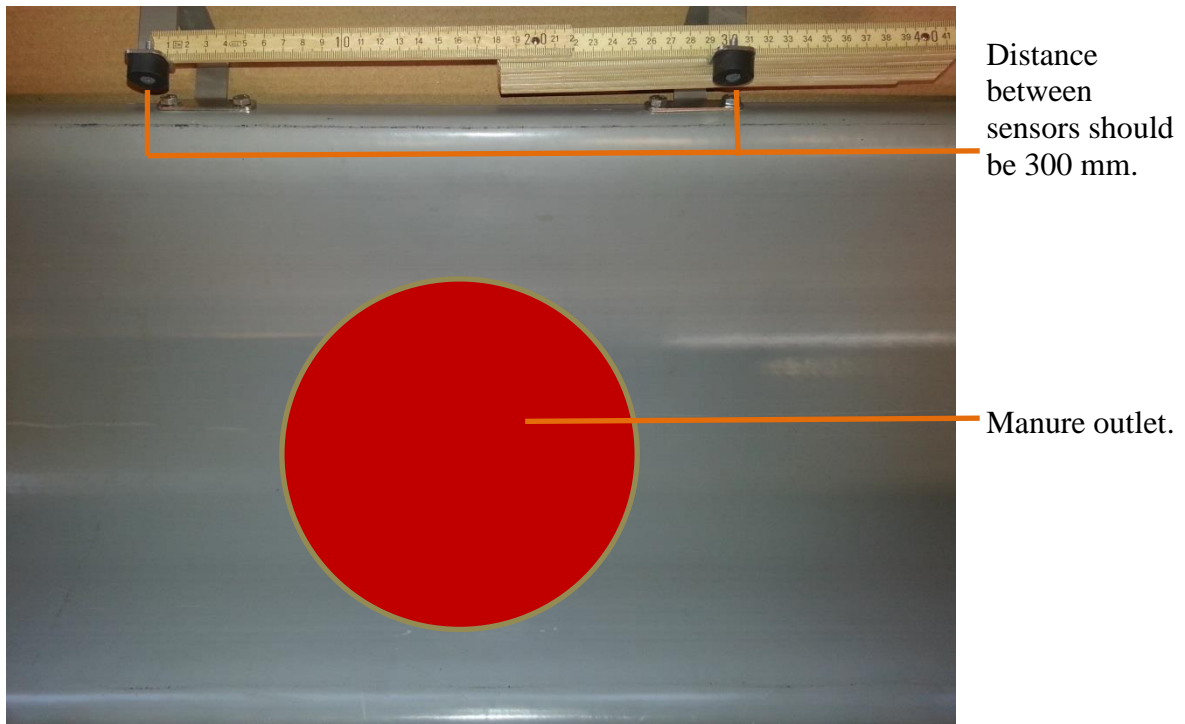


Fig. 10 Installation of sensors on a gutter with manure outlet in the middle.

- In case of a gutter with manure outlet in the middle, sensors should be installed so that there is 300 mm distance from the middle of the outlet's hole.
- Farm Cat should first have a test ride in the manure gutter, before it is ready perform the cleaning. (See fig. 11)
- The machine is now ready to use.

7. Operation

- After performing the steps described in section 6, the machine is ready to use.

- **Initial running**

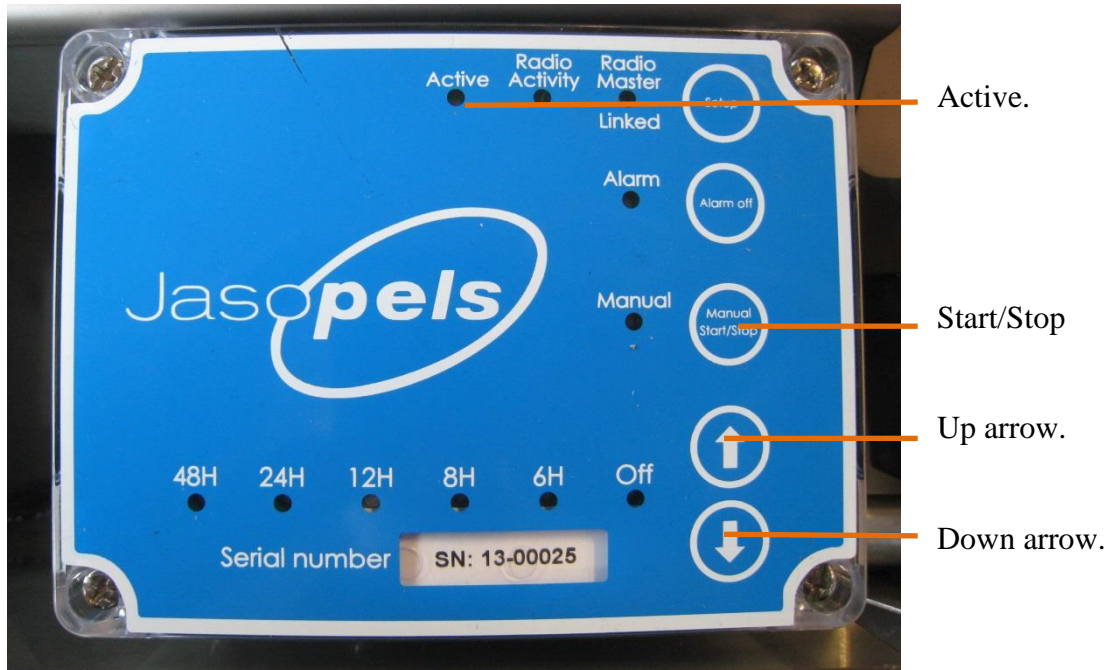


Fig. 11. Control panel.

- The machine must have a test ride before it starts running according to the timer.
- Up **arrow** and Down **arrow** must be pressed down at the same time until **Active** LED lamp remains lit.
- Press **Manual Start/Stop** button (LED lamp) **The button must be pressed down until the LED lamp begins to blink.** Farm Cat takes a test ride in the gutter and stops at the charging station.

Manual running mode

- Up **arrow** and Down **arrow** must be pressed down at the same time until **Active** LED lamp remains lit.
- Up **arrow** or Down **arrow** (depending on the requested direction) together with **Manual Start/Stop** make the machine start running.
- Manual running mode is used primarily after the alarm. (See fig.13)

Manual cleaning

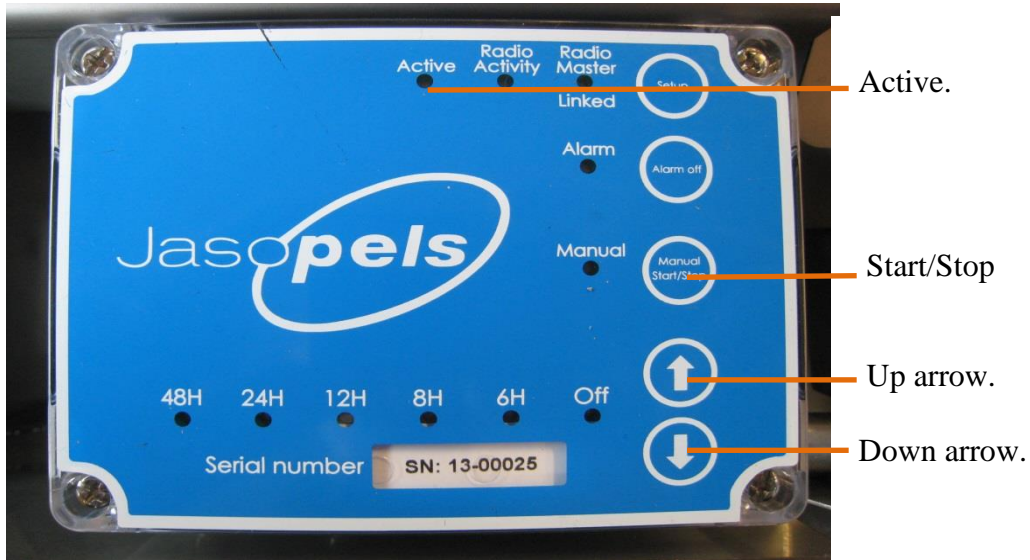


Fig. 12. Manual cleaning.

- Up **arrow** and Down **arrow** must be pressed down until **Active** LED lamp is lit.
- Press the **Start/stop** button and the machine will now start a manure removal run.

Reset of Alarm



Fig. 13. Reset of alarm.

- If the machine becomes overloaded a red LED lamp (Alarm) will light up.
- Up **arrow** and Down **arrow** must be pressed down until **Active** LED lamp is lit. The machine is reset by pressing **Alarm**.

Setting the timer function

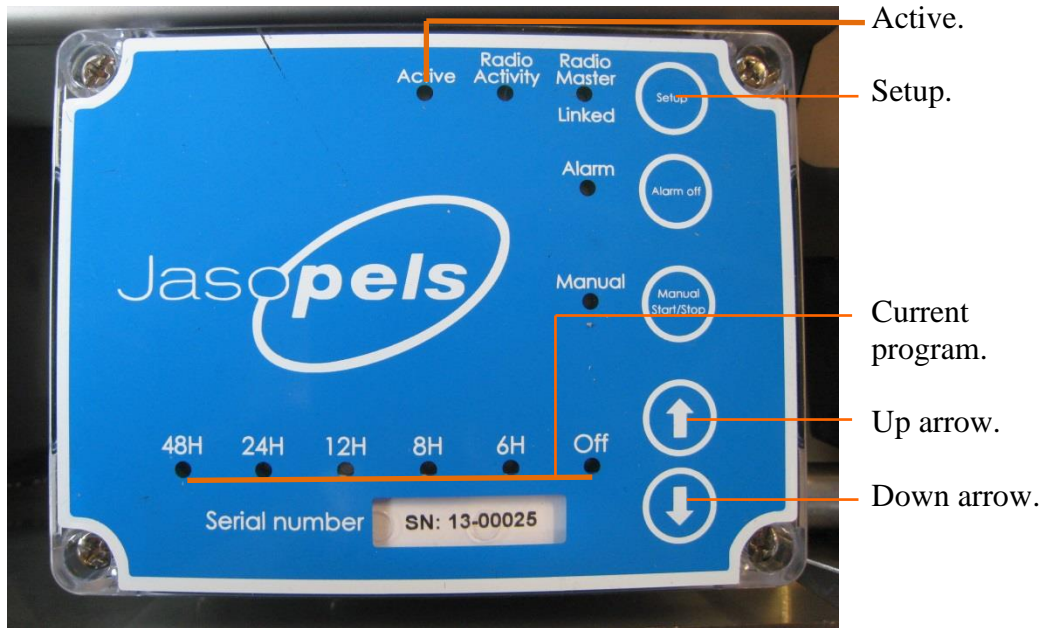


Fig. 14. Setting the timer function.

- Up **arrow** and Down **arrow** must be pressed down until **Active** LED lamp is lit.
- **Setup** must be pressed down until the active LED lamp starts blinking. Using Up **arrow** and Down **arrow** choose/turn off the requested time program. Save the settings by pressing **Setup**.
- The active LED lamp remains lit.

Warning!!

The machine can begin to run according to the timer function without notice, so keep the distance and remember always to disconnect the power supply before servicing.

There is a crushing hazard in the area close to gear, scrapers and sensors.



8. Maintenance

- Farm Cat's chain, gear and rubber in the scraper should be inspected once a month.
- To ensure that your machine runs properly it is recommended to have it checked at Jasopels once a year.

DANGER!
Disconnect the machine's power supply before maintenance, cleaning or other services are performed on the machine.



9. Technical data

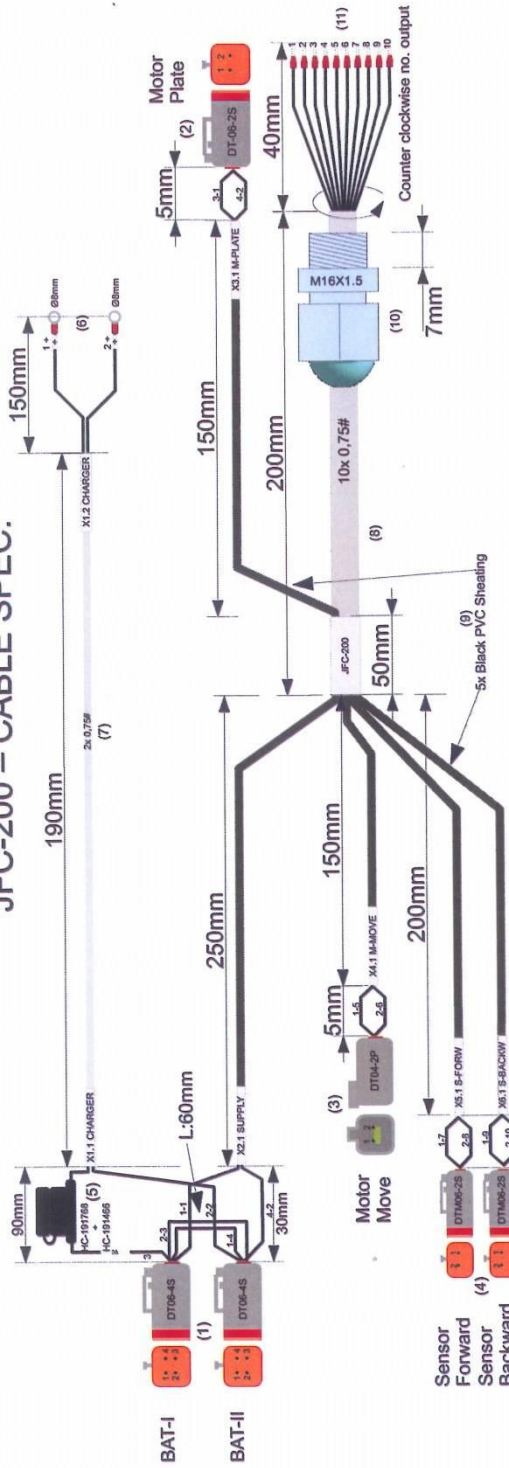
- Power supply: 220 v
- Dimensions:

Height	35 cm
Length	600 cm
Width	51 cm
- Noise:

It is estimated that the machine does not emit more noise than it is permitted, as you can lead a normal conversation in the direct proximity of the machine.

10. Elementary diagram

JFC-200 – CABLE SPEC.



No.	Part No.	Item	Description	Supplier	Subcon.
1	191768	(5)	Fuse Holder	HC	
1	191466	(6)	3A Fuse	HC	
2	192362	(6)	Ring Terminal	HC	
450mm	2x 0,75mm ²	(7)	Cable No.1-2	No name	
540mm	10x 0,75mm ²	(8)	Cable No.1-10	No name	
850mm	191388	(9)	PVC Sheathing 5mm	HC	
1	5311210	(10)	M16x1,5 Cable Gland	Millitronic	
10	191963	(11)	Cord End Terminal	HC	
10	1		Heat shrink sheathing label – Name label	?	

No.	Part No.	Item	Description	Supplier	Subcon.
10	0462-201-16141	(1)(2)	DT-socket	Deutch	
2	DT06-4S	(1)	DT-Conn	Deutch	
2	W4S	(1)	DT-Lock	Deutch	
1	DT-06-2S	(2)	DT-Conn	Deutch	
1	W2S	(2)	DT-Lock	Deutch	
1	DT06-2P	(3)	DT-Conn	Deutch	
1	W2P	(3)	DT-Lock	Deutch	
2	0462-202-16141	(3)	DT-Pin	Deutch	
2	DTM06-2S	(4)	DTM-Conn	Deutch	
2	WM2S	(4)	DTM-Lock	Deutch	
4	0462-201-20141	(4)	DTM-Socket	Deutch	

Date	Product	Page	Rev.(Date - Eng)	Eng.
22-04-2013	JFC-200	1:1	13-05-2013 EK	Esben Kristensen



11. User's note.

