

Original user manual

Body Drum



1. Declaration of Conformity

EU Declaration of Conformity

Manufacturer: Jasopels A / S Tel. +45 76 94 35 00
Address: Fabriksvej 19, DK-7441 Bording

Machine: Body Drum
Type: 5150-00270000

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

2006/42

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

Place and date: Bording 24th August 2011
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.
- Unauthorized modifications, additions or changes to the machine are not permitted for the sake of overall security. Neither the producer nor the supplier can be held liable for damages incurred as a result of the above. All and any risks in the case of such misuse lie on the end user alone.

4. Symbol explanation

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



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



A triangle containing a lightning bolt is a warning symbol that warns of "High Voltage"



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

5. Introduction to the machine

- Jasopels' self-emptying Body Drum is designed for the tumbling of mink bodies.
- The development of the machine has made it possible to reduce human engagement in connection with tumbling to an absolute minimum.
- The machine is built to tumble approximately 80 males or 110 females at a time. Using between 23 and 30 kg sawdust in addition to that is recommended.
- When the operator has filled the machine with skins and sawdust, tumbling times need to be set and tumbling can then begin. The drum now completes the process of tumbling on its own and it is possible to empty the drum during intervals.

Note!

- Make sure to read this manual before using the machine.
- 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. Commissioning

- Before the body drum can be used, make sure that it is leveled on a flat, stable surface without tilting. Unless the machine is properly leveled, problems can occur.
- The machine is factory-fitted with a 5-pole 16 A CEE plug on the power supply cord and should be connected to a socket with 3P + N + PE.
- The electrical cabinet is not installed upon delivery in order to protect it during transport. It is bolted to the inside of the drum. Disassemble the arm to get the electrical cabinet out. The electrical cabinet can be installed to the right or left of the skin inlet funnel. **Important! The electrical cabinet must be installed before the inlet funnel.** The included stabilizer must also be installed on the arm.
- Make sure that the drum has the correct direction of rotation. This is done by activating the tumbling program. The drum should run counterclockwise as seen from the outlet end. If this is not the case, the drum must be stopped immediately. Switch the 2 phases in the plug and repeat the test.
- Connect the suction device to the flange on top of the machine and ALL protective screens.
- The body drum is now ready for use.



In order to prevent possible damage to the control unit's microcontroller and the rest of the electrical system during thunderstorms, it is recommended to shut the electrical connection off when the machine is not in use.



DANGER!

Disconnect compressed air and power supply before maintenance, cleaning and other services are performed on the machine.



7. Operation

- Make sure that the "EMERGENCY STOP" is released.
- The control system is navigated directly on the screen using the menu.
- It is also possible to change values in the different fields.



Press to deactivate the emergency stop.

Fig. 1 Deactivation of the emergency stop


- The emergency stop is deactivated by releasing the emergency stop key and pressing 



Fig. 2. Language selection

- Here you can choose between Danish and English.



Fig. 3 Current Status

- Operational monitoring where you can start, pause, stop and empty the machine.



Fig. 4 Pause Menu

- In order to change the settings during operation one must first press **PAUSE**, then **STOP** and then **>** to go to settings. See Prog. in fig. 5.

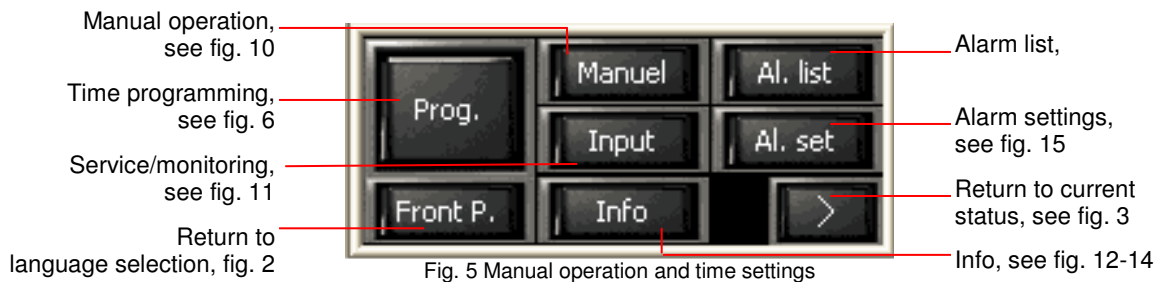
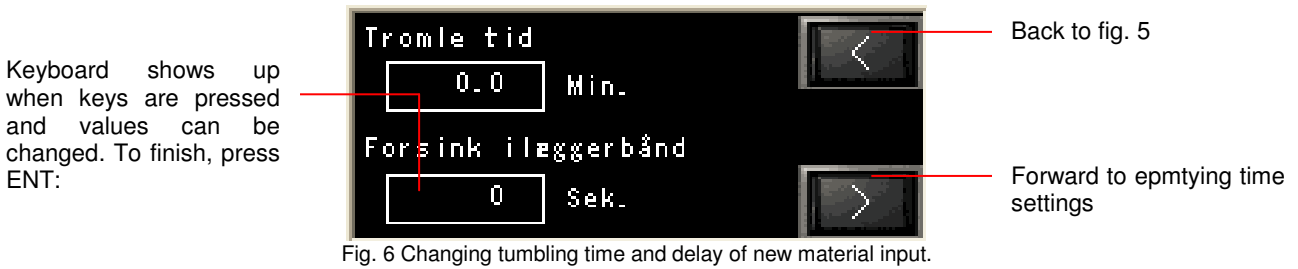
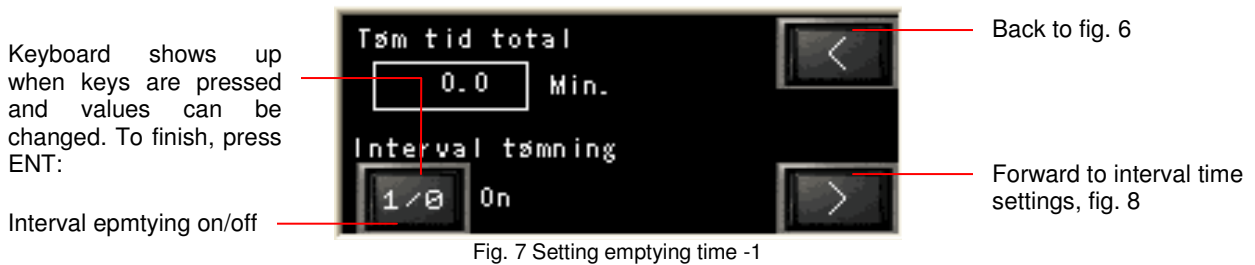


Fig. 5 Manual operation and time settings

- Main Menu, where you can change the operation time, choose manual operation of the drum etc.



- Here you need to input the tumbling time and the delay of the conveyor belt so that the drum is already revolving before the pellets are put inside it.

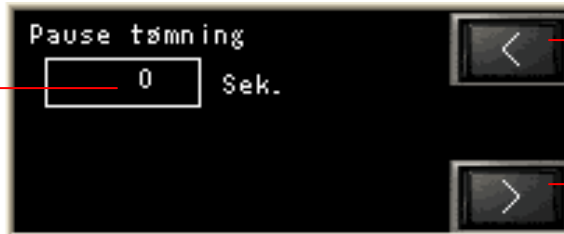


- Setting the drum's emptying time; possibility of interval emptying of the drum.



- Setting the first emptying time for the drum and setting subsequent emptying times.

Keyboard shows up when keys are pressed and values can be changed. To finish, press ENT:

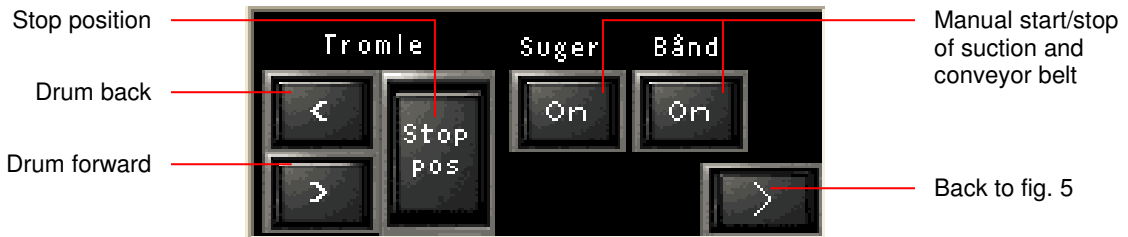


Back to fig. 8

Back to fig. 5

Fig. 9 Setting pause time for emptying

- Setting the "pause time" between the emptying phases.

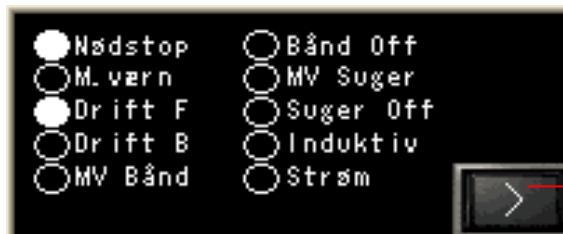


Manual start/stop of suction and conveyor belt

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Fig. 10 Manual operation.

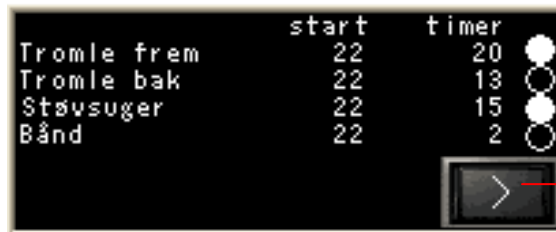
- Manual operation of the drum, start/stop of suction device and conveyor belt. Pressing **Stop pos** sets the drum in output position for sawdust removal. See more about sawdust removal in section 7.1.



Back to fig. 5

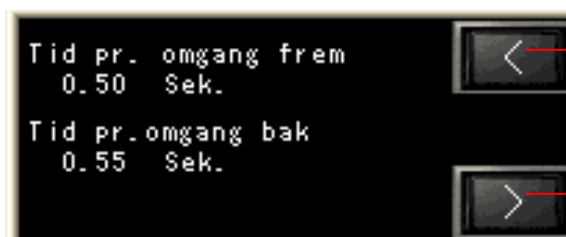
Fig. 11 Monitoring of inputs / outputs

- Reading the inputs / outputs in connection with body drum servicing. See fig. 11.



Forward to fig. 13

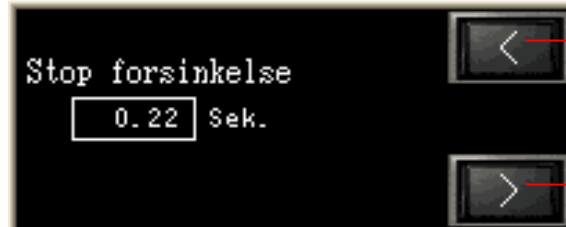
Fig. 12 Monitoring of inputs / outputs



Back to fig. 12

Forward to fig. 14

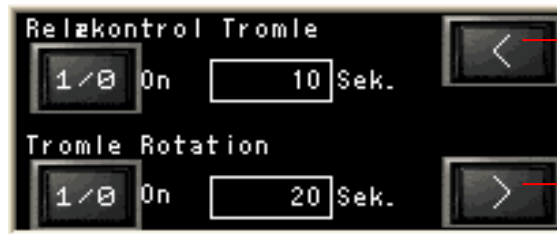
Fig. 13 Reading the drum's revolution speed values



Back to fig. 13

Back to fig. 5

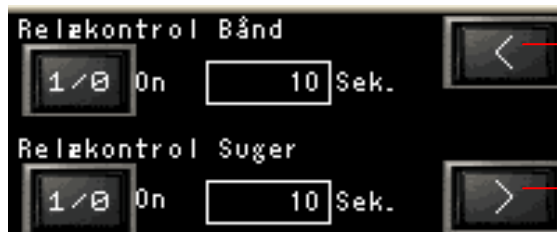
Fig. 14 Reading the "stop" delay of the drum



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Forward to fig. 16

Fig. 15 Control



Back to fig. 15

Back to fig. 5

Fig. 16 Control

7.1 Sawdust removal

To remove the sawdust you must select **Manuel** in Fig. 5 and then press **Stop pos** in fig. 10. The drum will now run to its start position.

- When the handle is turned to the right and an outcome slide is installed, the tumbling program is initialized and the sawdust is removed from the drum.



Fig.17. Tumbling position

DANGER!
Do not attempt to turn the handle when the drum is revolving due to entanglement and crush hazard.



Fig. 18 Sawdust removal

The "remove sawdust" position

Outcome slide

8. Maintenance

DANGER!

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



- The drum is supported by bearings at the ends. These bearings must receive a single squeeze from a grease injector once a week.

DANGER!

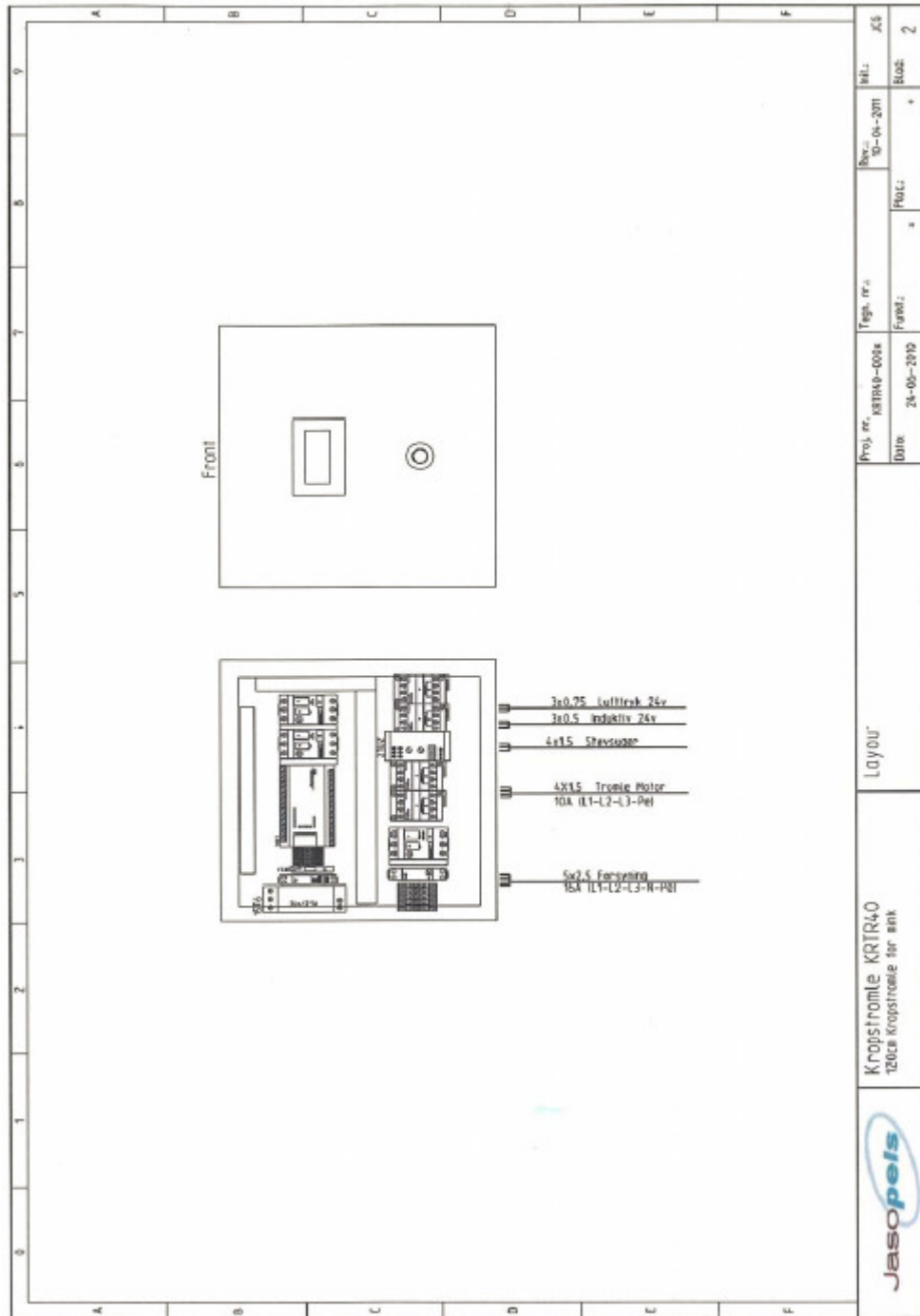
If you need to perform maintenance tasks inside the drum, the power supply cable MUST be disconnected.

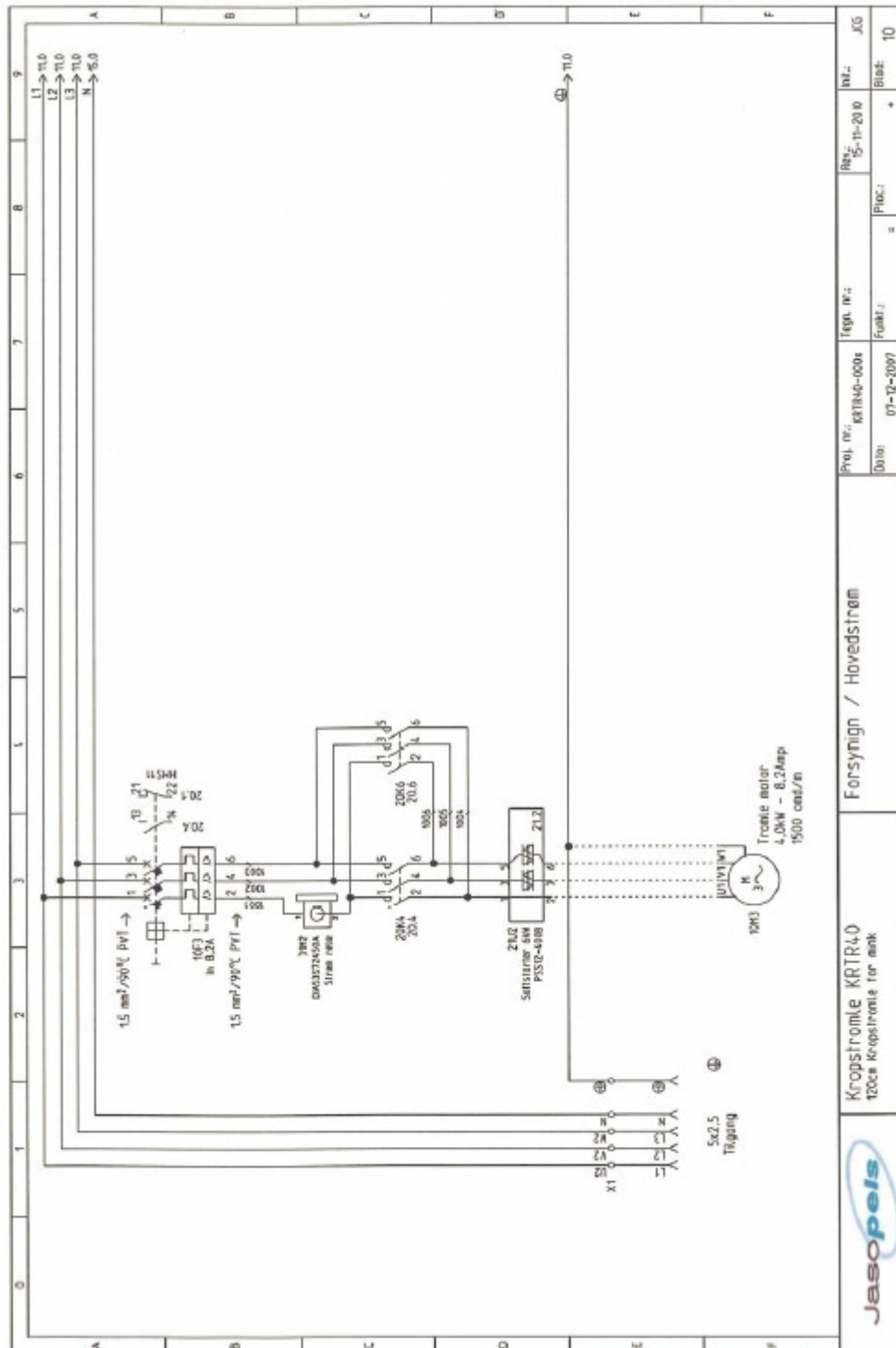


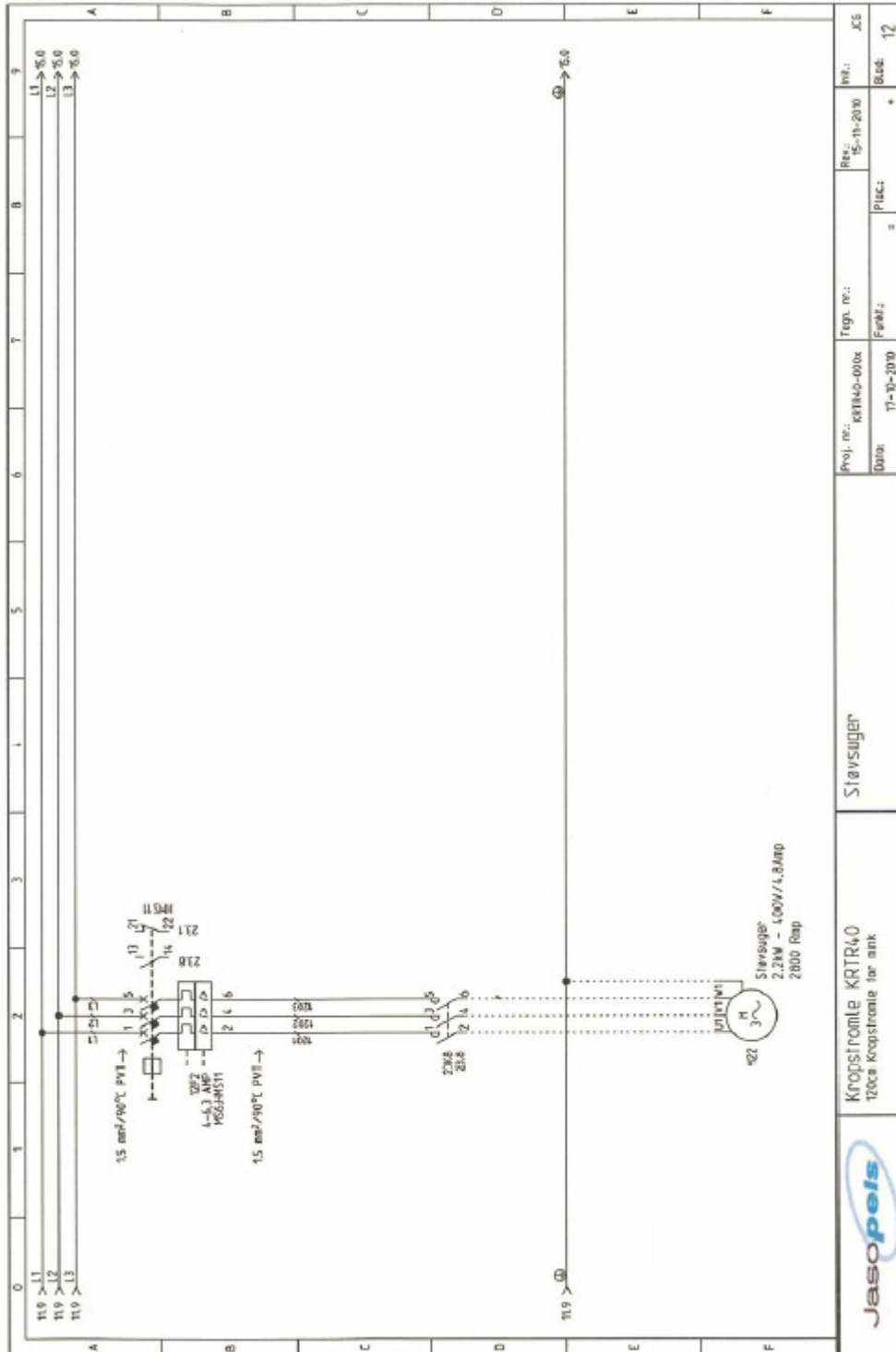
9. Technical data

- Power supply: 3 x 400 V + N + PE 5-pole CEE plug
- Power consumption: X A
- Weight: 800 kg
- Dimensions:
 - Height: 177 cm
 - Length: 341 cm
 - Width: 186 cm

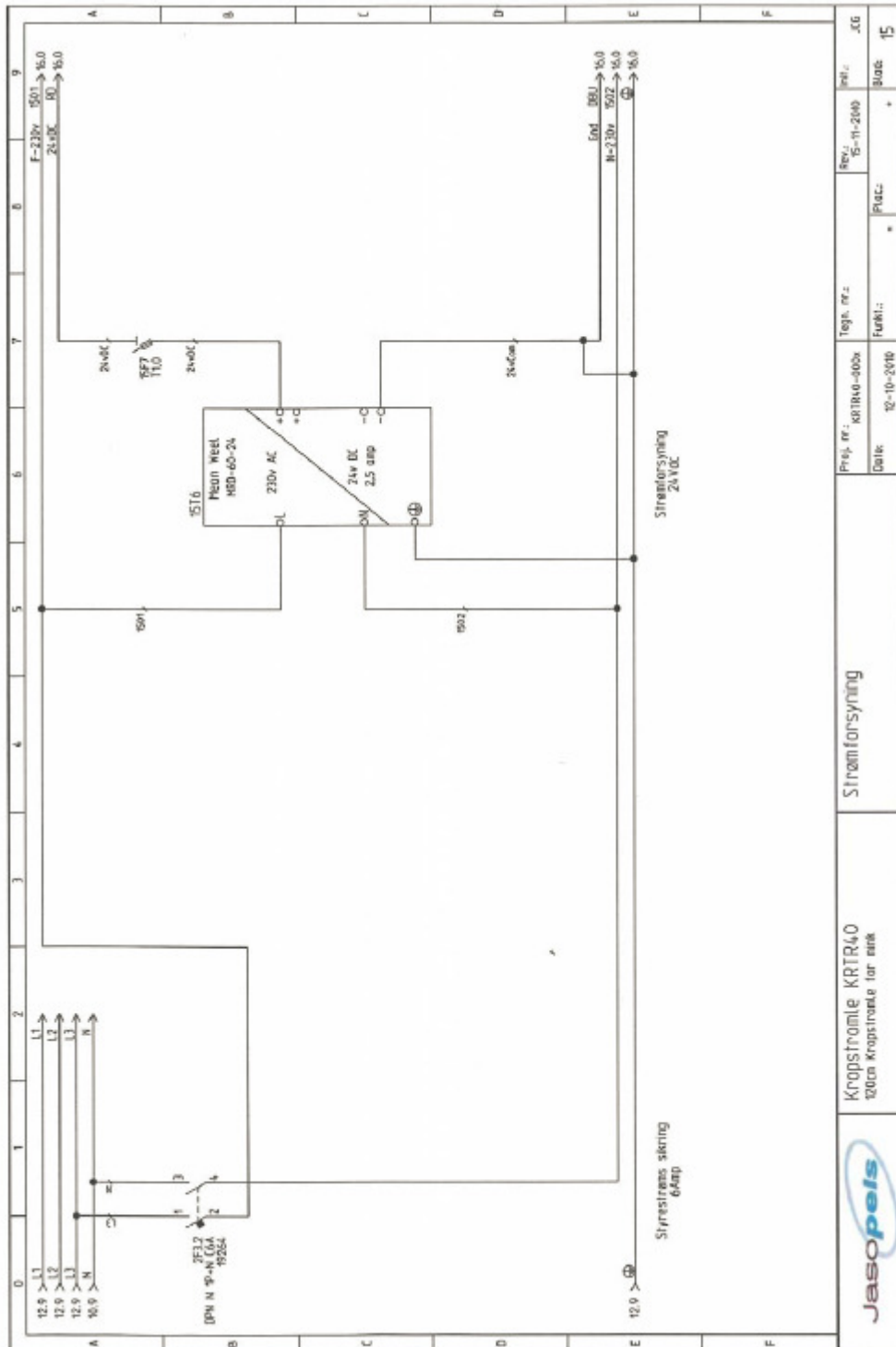
10. Electrical power and airflow diagram

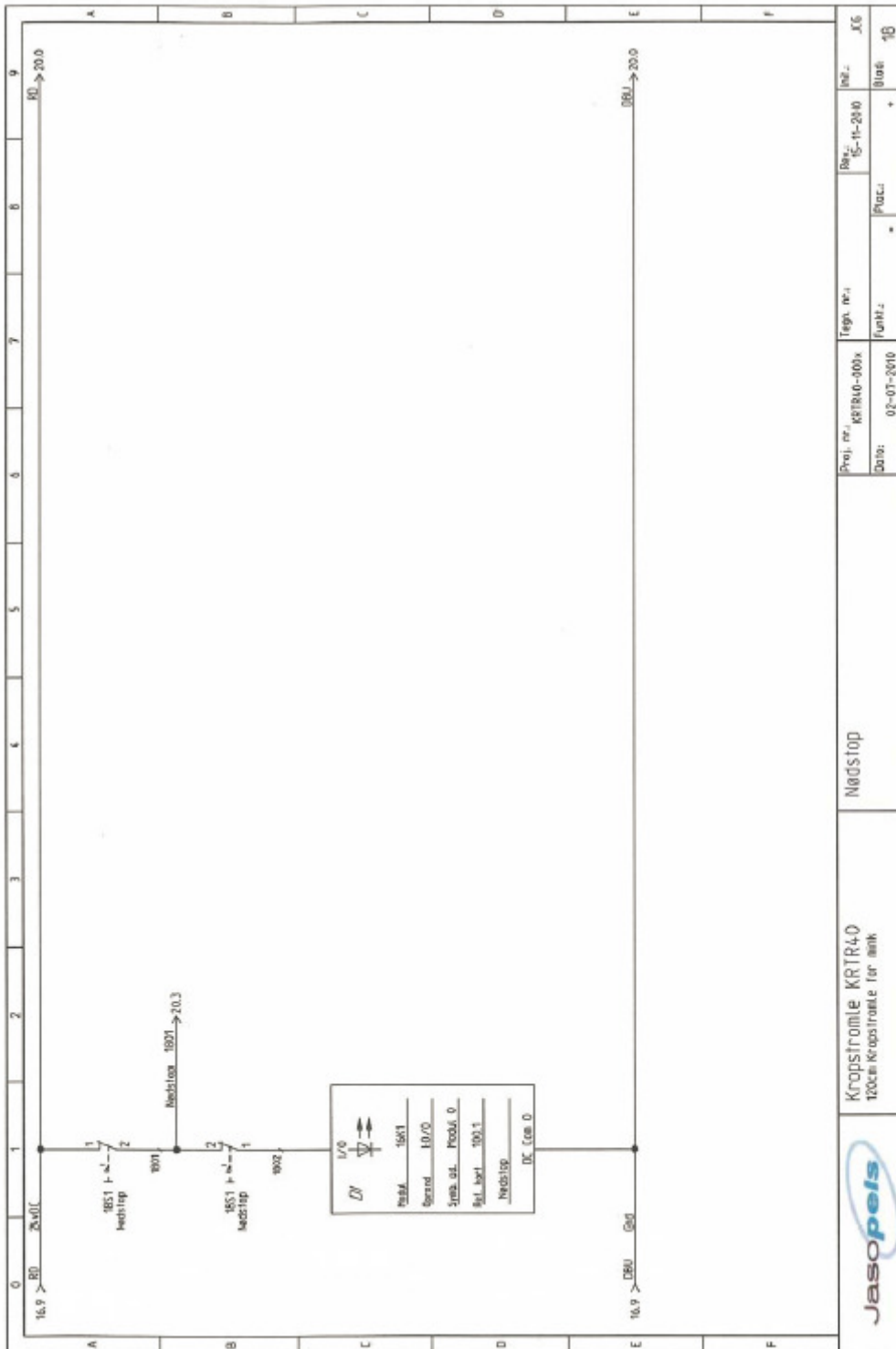


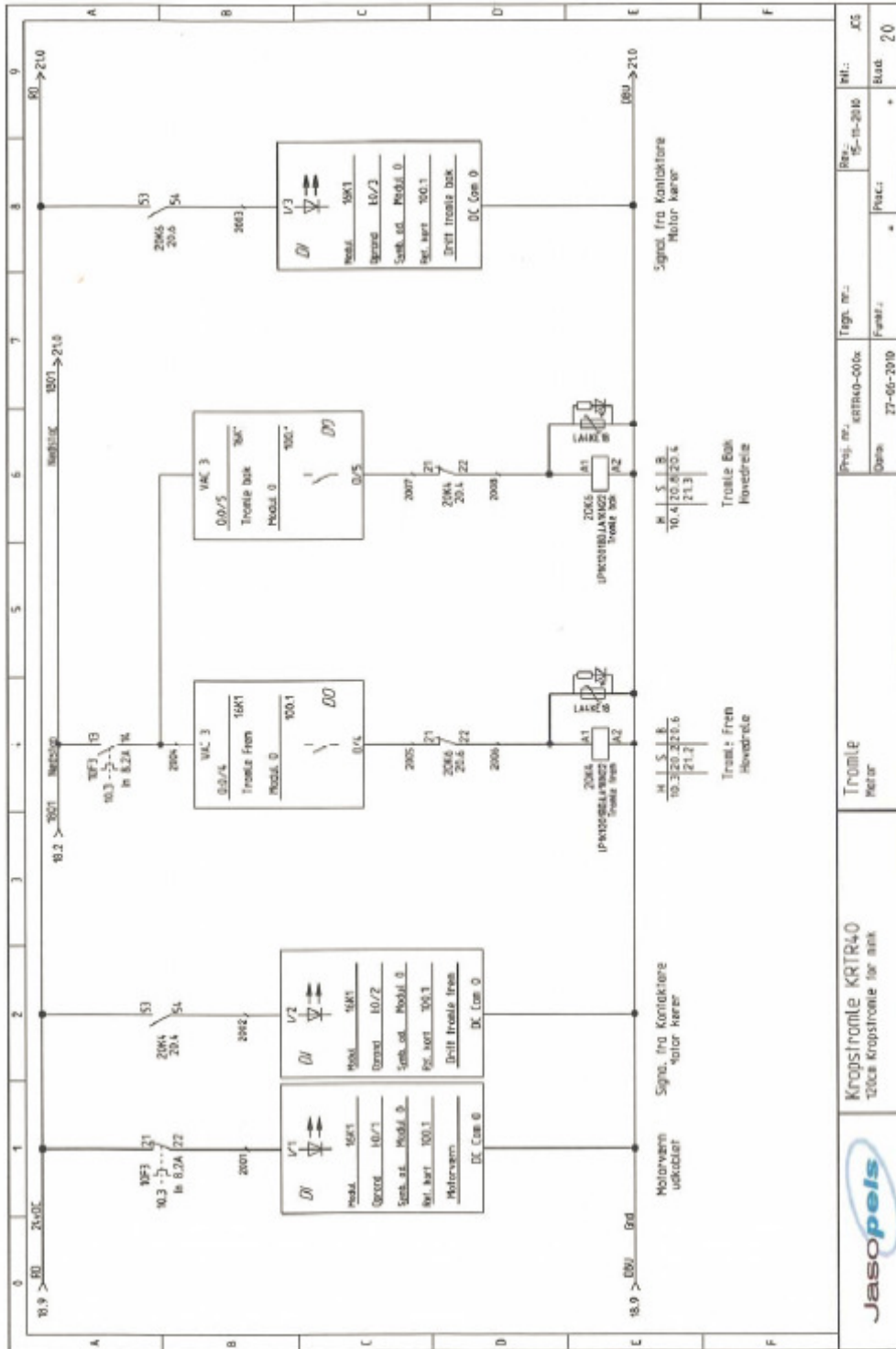




	Kropsstrømtone KRTR40 12000 Kropsstrømtone for ank	Støvsuger	Proj. nr.: KRTR40-000x Date: 17-10-2010	Tegn. nr.: Fase: *	Rev.: 15-11-2010 Blad: 12
			Plac: *		



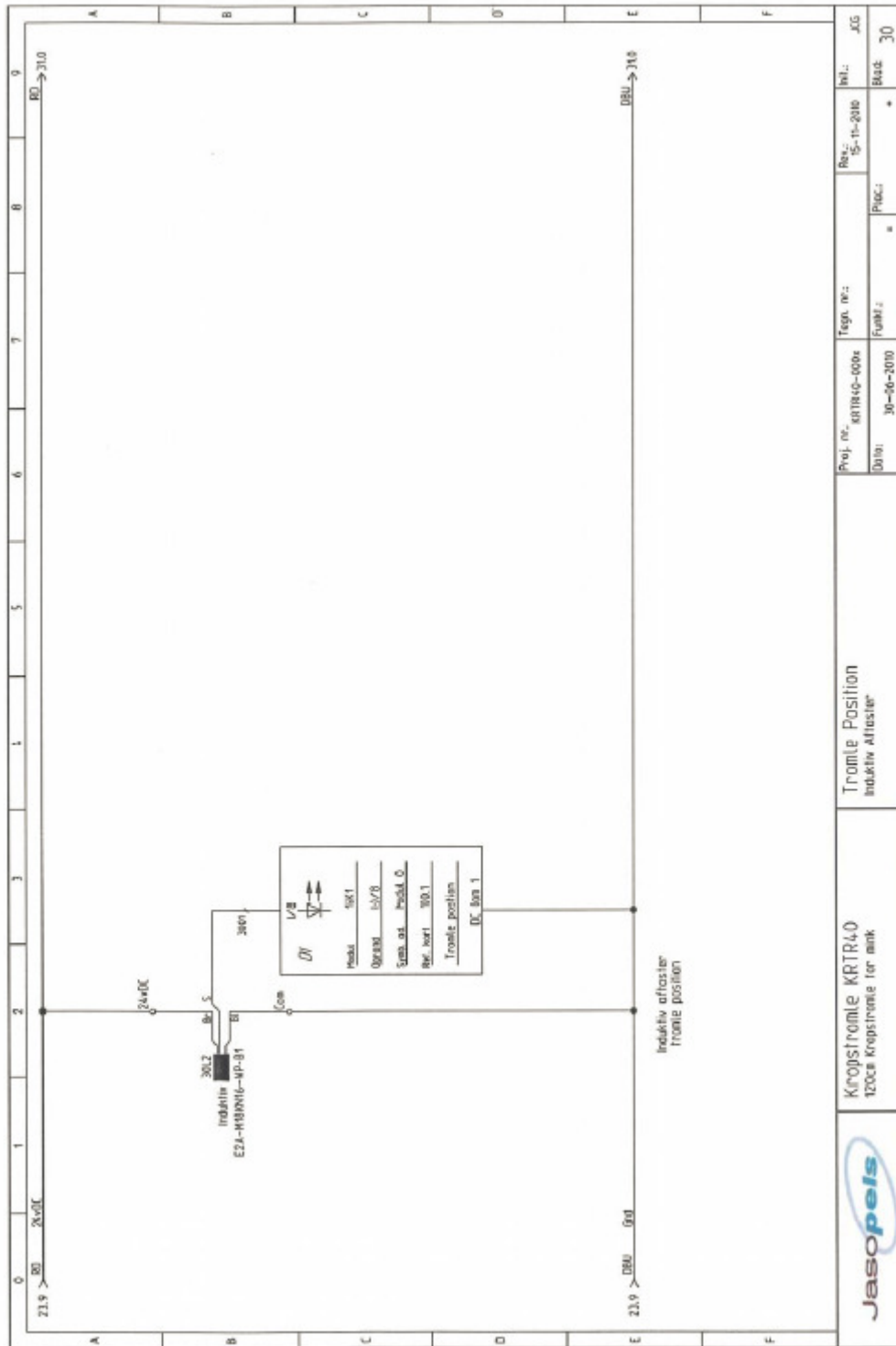


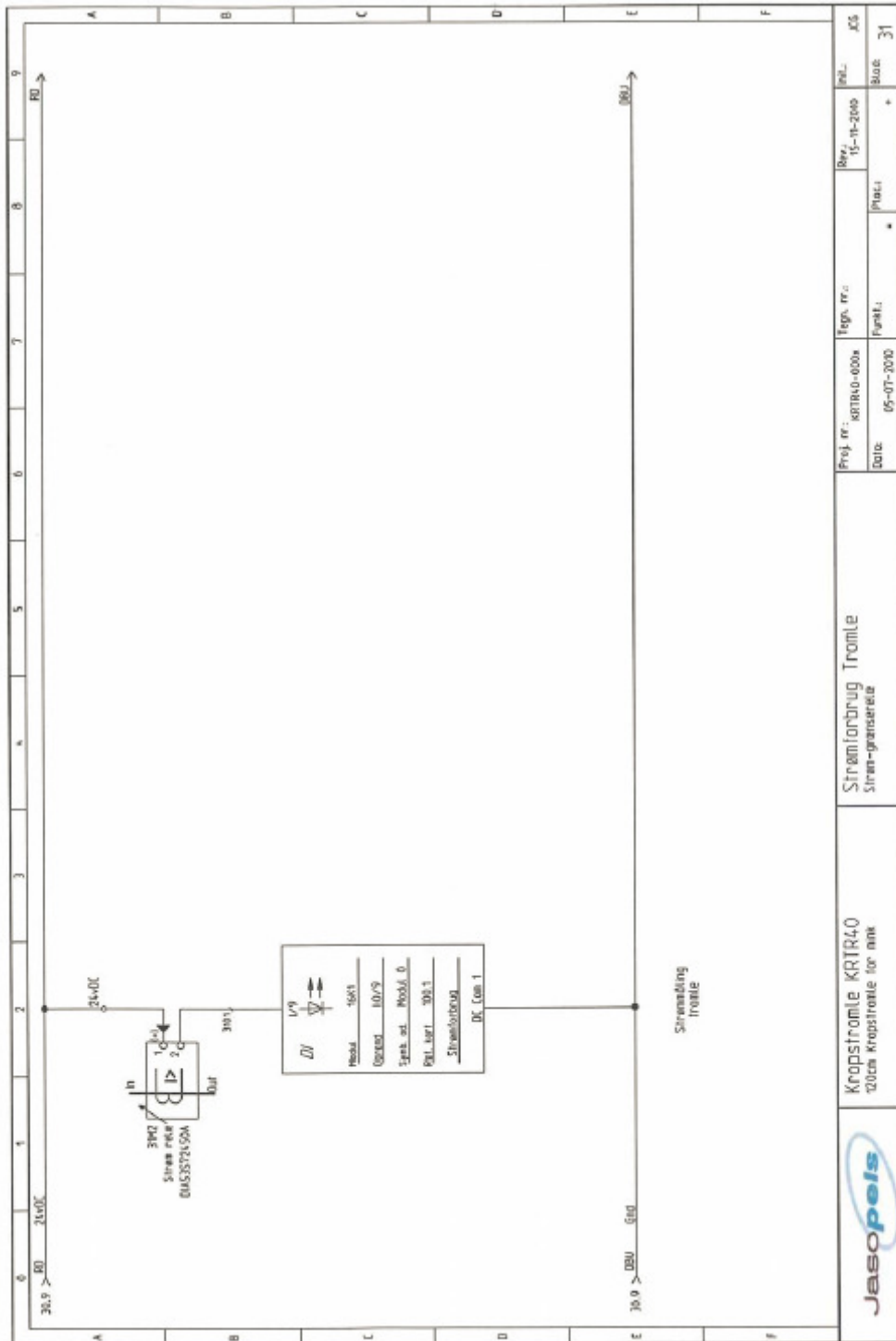


Kropstrømle KRTR40
1000A Kropstrømle for sink

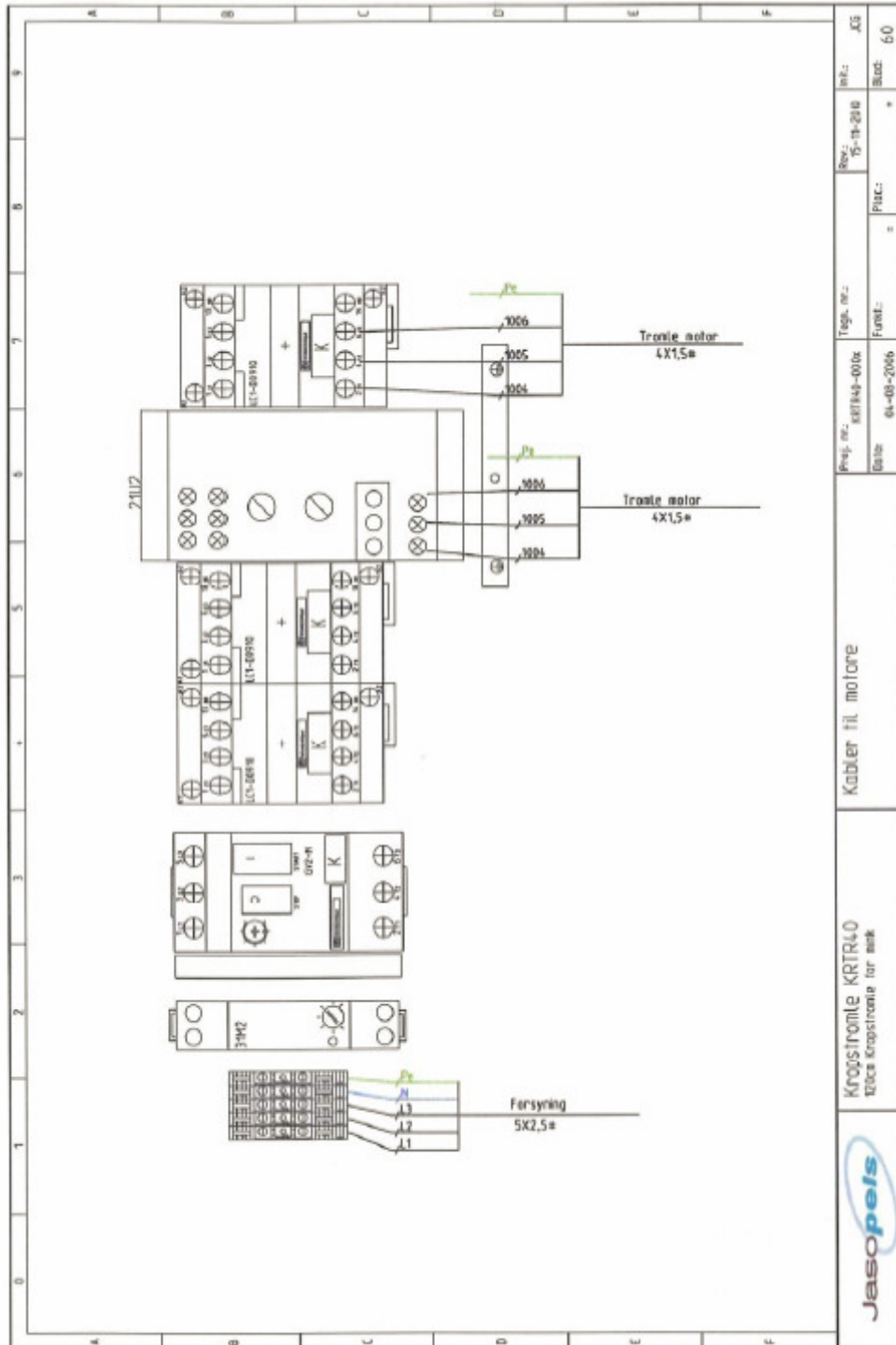
Tromle Motor

Proj. nr. KRTR40-005	Tegn. nr.:	Rev.: 15-11-2010	Blad
Dato: 27-06-2010	Først:	Præc:	20





Proj. nr.: 18TR0-000*	Tegn. nr.:	Rev. nr.: 15-11-2000	Inl.:	JOS
Sirensforbrug Tromle		Sirensforbrug		
Kropstromle KRTR40		20cm Kropstromle for ank		
Jasopels				



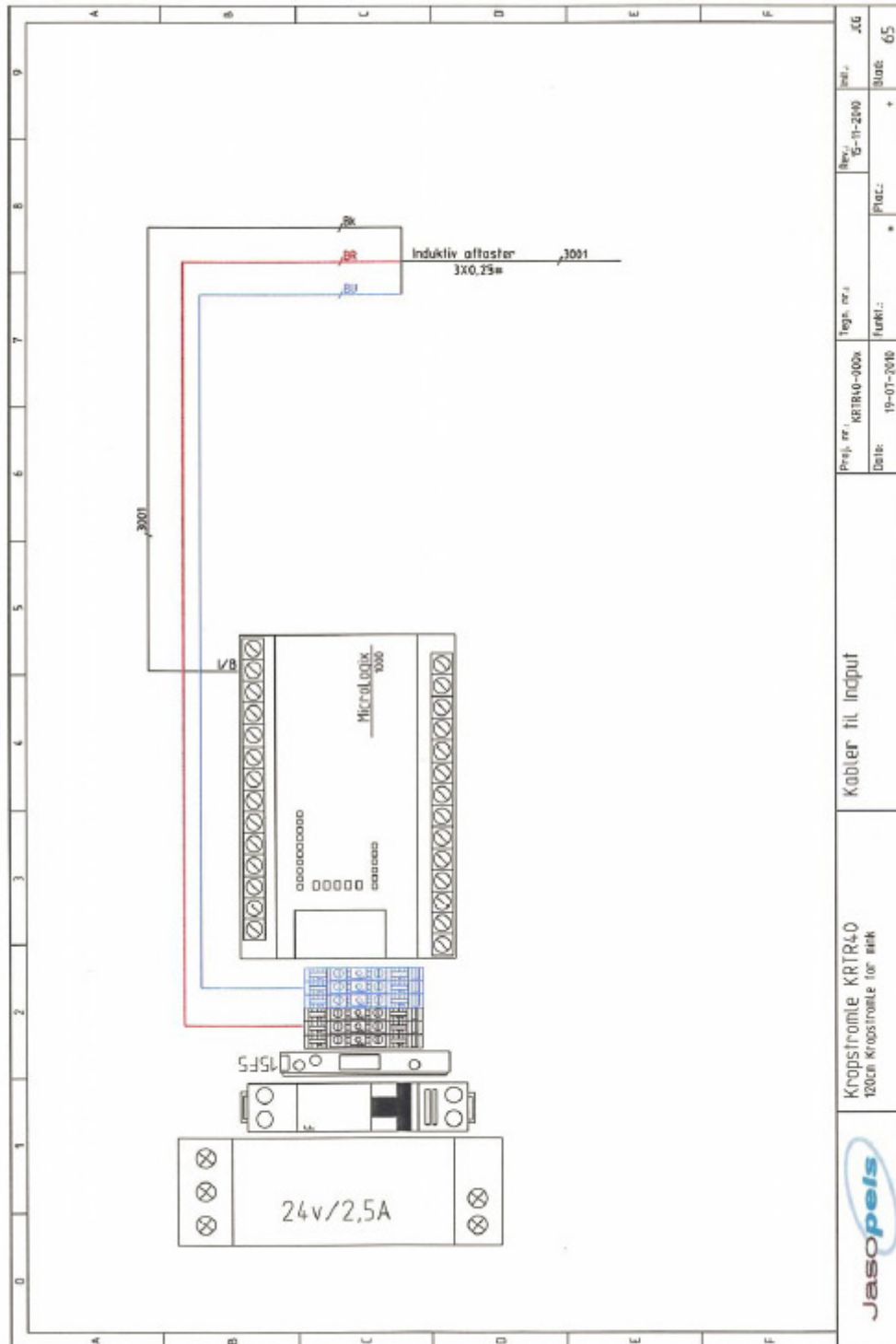
Knapstromele KRTR40
Tilca Knapstromele for mask

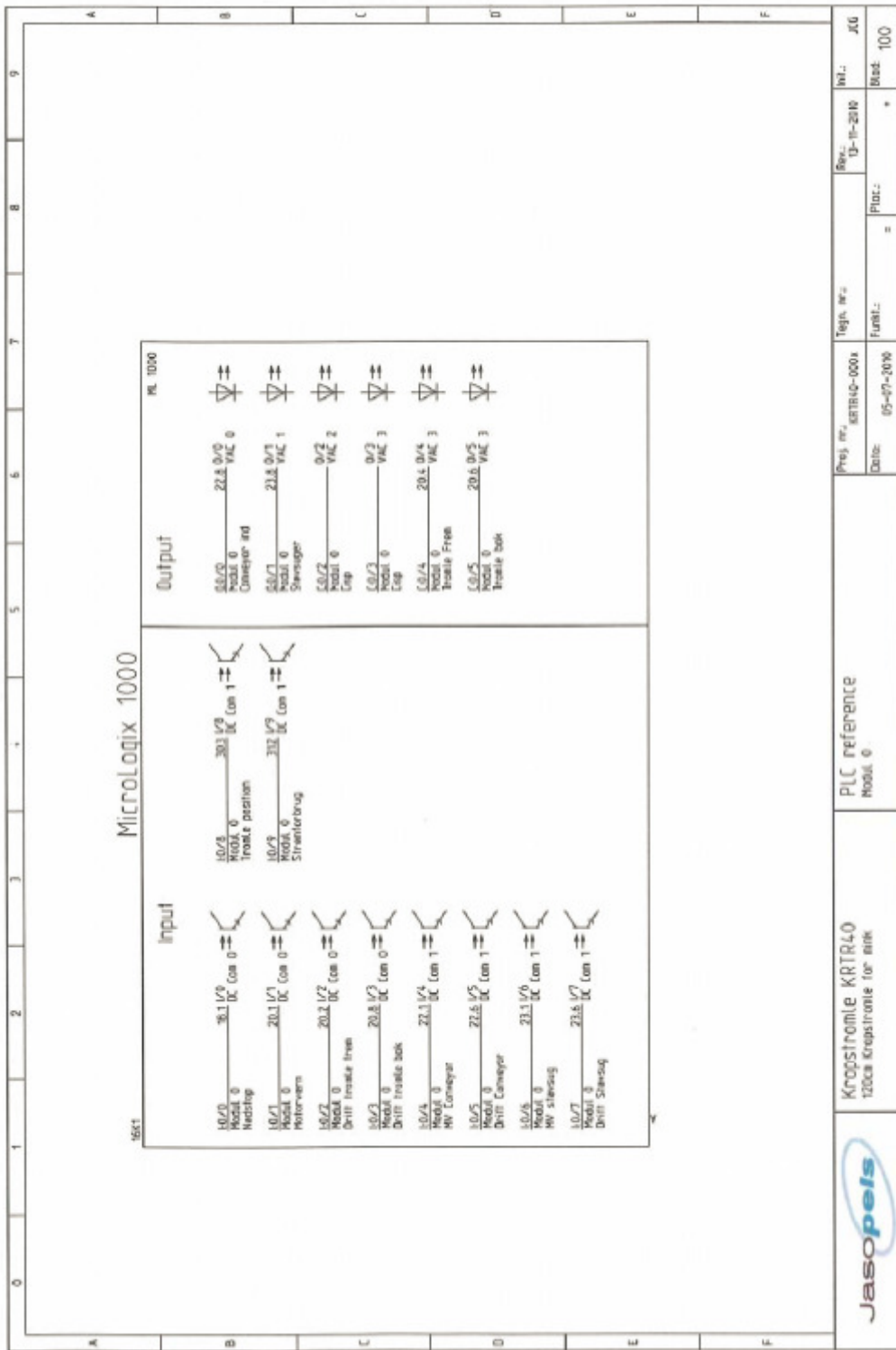
Kabler til motore

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Tag. nr.:
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Rev.: 15-11-2010
Blad: 60





11. Spare parts list

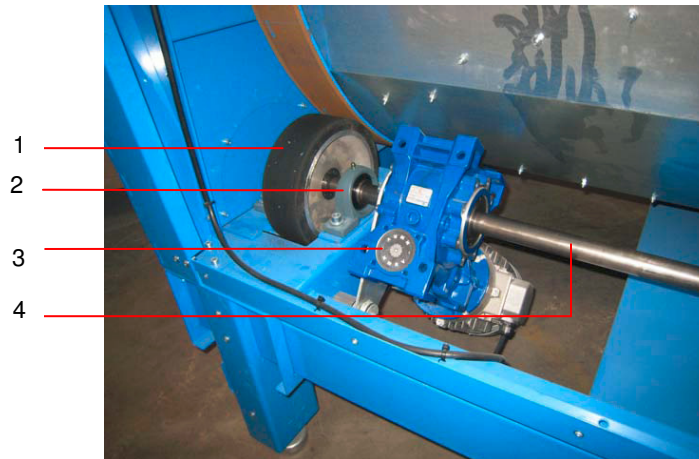


Fig. 19

Figure number	Jaso number	Name
19.1	5150-00271211	Driving wheel
19.2	5150-00271207	Bearing
19.3	5935-11901516028	Engine (3 kw)
19.4	5150-00271201	Shaft

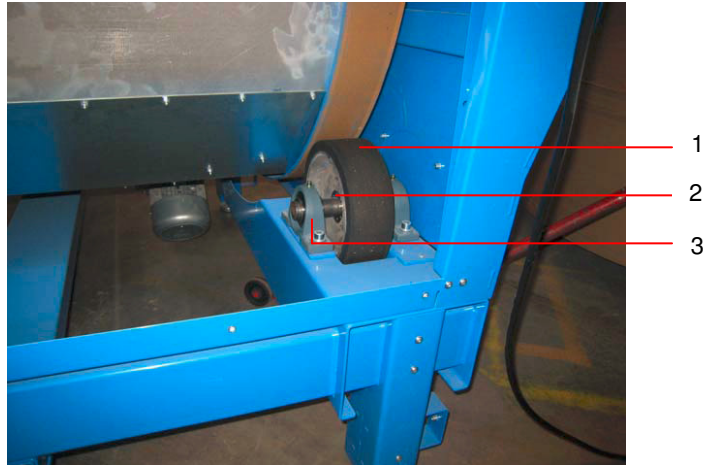


Fig. 20

Figure number	Jaso number	Name
20.1	5150-00271211	Trail wheel
20.2	5150-0027121301	Shaft
20.3	5150-00271207	Bearing

12. Troubleshooting

If you cannot correct an error that has appeared, it is recommended that you contact Jasopels' Service Department for further assistance.

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



DANGER!
If you need to perform maintenance inside the drum you MUST remove the power supply cable plug from the socket.



Fig. 21 Emergency stop

Release the emergency stop or turn it off and press **Alarm reset**. The "Current status" (fig. 3) will now appear.



Fig. 22

Press **Klar til drift** ("ready for operation") and "Current Status" (fig. 3) will appear.

13. User's notes