CE

Installation manual
Washer extractor

W555H

Type W.55.H

Electrolux

438 9054-30/EN
2017.05.03

Original instructions

Contents

The manufacturer reserves the right to make changes to design and component specifications.

1 Safety Precautions

Only use detergent intended for water-wash of textiles. Never use dry cleaning agents.

The machine's door lock must under no circumstances be bypassed.

If the machine develops a fault, this must be reported to the person in charge as soon as possible. This is important both for your safety and that of others.

DO NOT MODIFY THIS APPLIANCE.

Servicing shall be carried out only by authorized personnel.

Only authorized spare parts shall be used.

When performing service or replacing parts, the power must be disconnected.

When the power is disconnected, the operator must see that the machine is disconnected (that the plug is removed and remains removed) from any point to which he has access. If this is not possible, due to the construction or installation of the machine, a disconnection with a locking system in the isolated position shall be provided.

In accordance with the wiring rules: mount a multi-pole switch prior to the machine to facilitate installation and service operations.

The openings in the base, shall not be obstructed by a carpet.

Maximum mass of dry cloth: 6 kg.

A-weighted emission sound pressure level at working stations:
Wash: <70 dB(A).
Extraction: <70 dB(A).

Additional requirements for the following countries; AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IS, IE, IT, LV, LT, LU, MT, NL, NO, PL, PT, RO, SK, SI, ES, SE, CH, TR, UK:

- The appliance can be used in public areas.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Additional requirements for other countries:

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of

experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

1.1 General safety information

The machine is only intended for water-wash use.

Do not hose down the machine with water.

In order to prevent damage to the electronics (and other parts) that may occur as the result of condensation, the machine should be placed in room temperature for 24 hours before being used for the first time.

1.2 Commercial use only

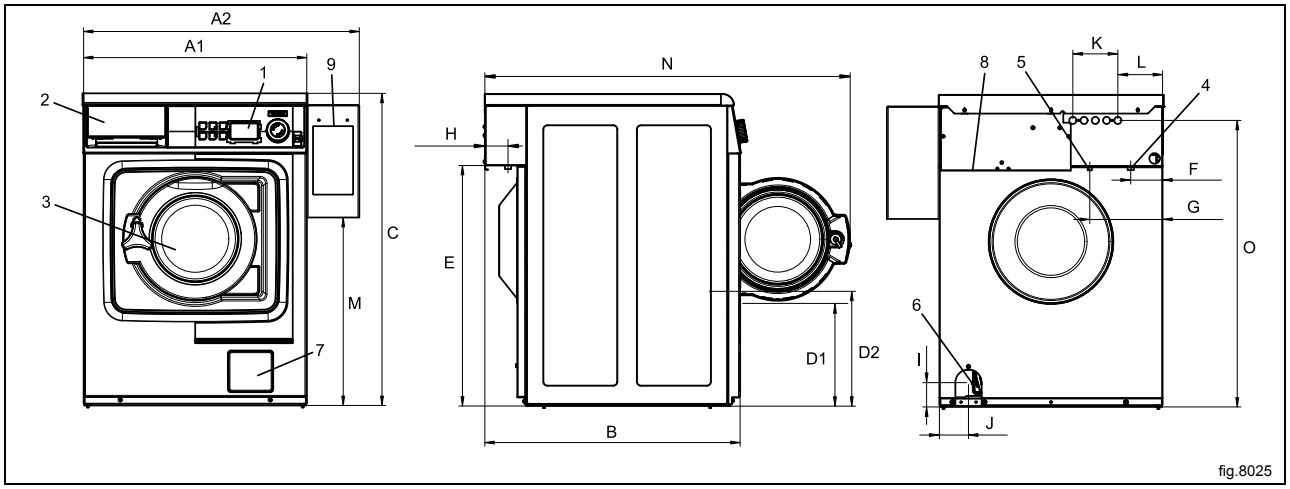
The machine/machines covered by this manual is/are made for commercial and industrial use only.

1.3 Symbols

	Caution
	Read the instructions before using the machine

2 Technical data

2.1 Drawing



1	Operating panel
2	Detergent container
3	Door opening, ⌀ 255 mm
4	Cold water
5	Hot water
6	Drain valve
7	Drain pump
8	Electrical connection
9	Payment system

	A1	A2	B	C	D1	D2	E	F
mm	595	735	681	832*	284	310	641	84

	G	H	I	J	K	L	M
mm	194	48	65	78	120	119	501

	N	O
mm	974	764

* Adjustable height: 25 mm.

2.2 Technical data

Weight, net	kg	100
Drum volume	litres	53
Drum diameter	mm	452
Drum speed during wash	rpm	35/54
Drum speed during extraction	rpm	1450
Drum speed during extraction, Marine model	rpm	1300
G-factor, max.		530
G-factor, max. Marine model		425
Heating: Electricity	kW	4.4
Heating: Hot water		x
Frequency of the dynamic force	Hz	24.2
Floor load at max extraction	kN	1.2±0.3
Sound power/pressure level at extraction*	dB(A)	70/56
Sound power/pressure level at wash*	dB(A)	56/42

* Sound power levels measured according to ISO 60704.

2.3 Connections

Water valves	DN BSP	20 3/4”
Capacity at 300 kPa	l/min	17
Drain valve	⌀ outer mm	50
Draining capacity (pump)	l/min	160

3 Setup

3.1 Unpacking

The machine is delivered bolted onto the transport pallet and packed in a crate or box.

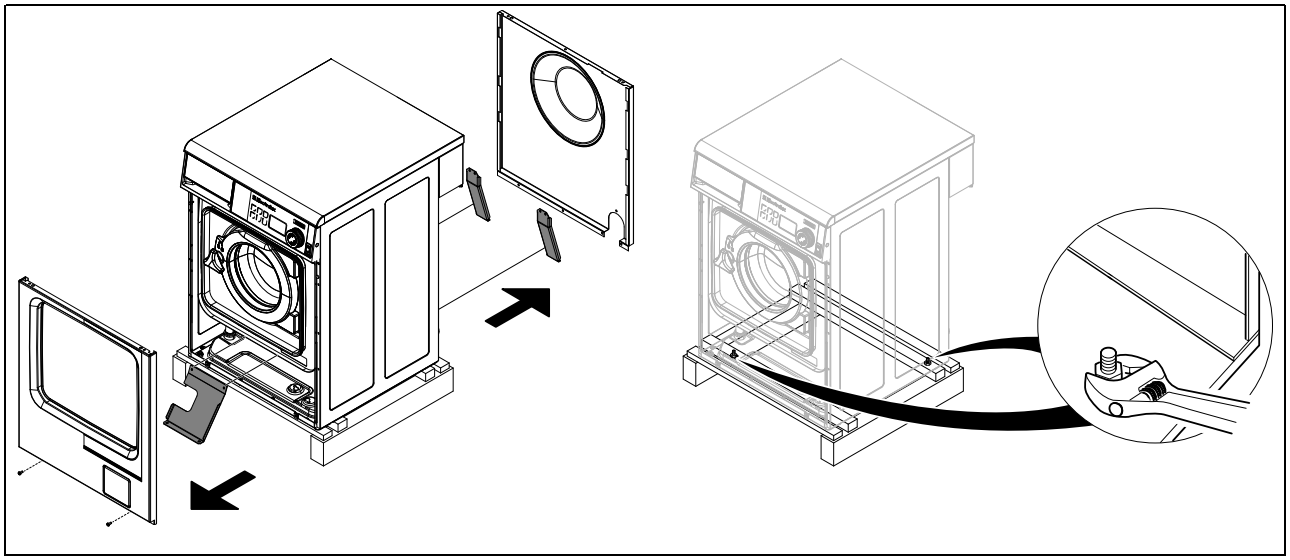
Remove packing from the machine.

Remove the front panel by undoing the two screws on the bottom edge.

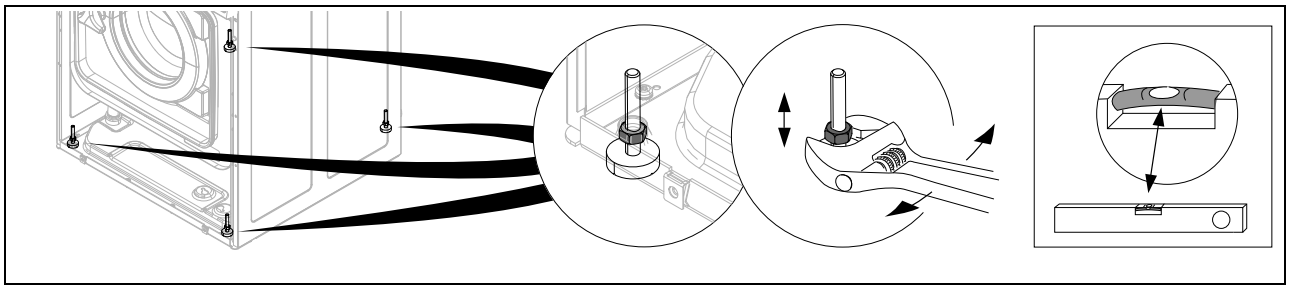
Remove the rear panel by undoing the screws.

Remove the three transport supports, one at the front and two at the back. Save the transport supports if the machine needs to be moved in the future.

Remove the bolts between the machine and pallet. There is one to the right in the front of the machine and another diagonally opposed to it, at the back of the machine.



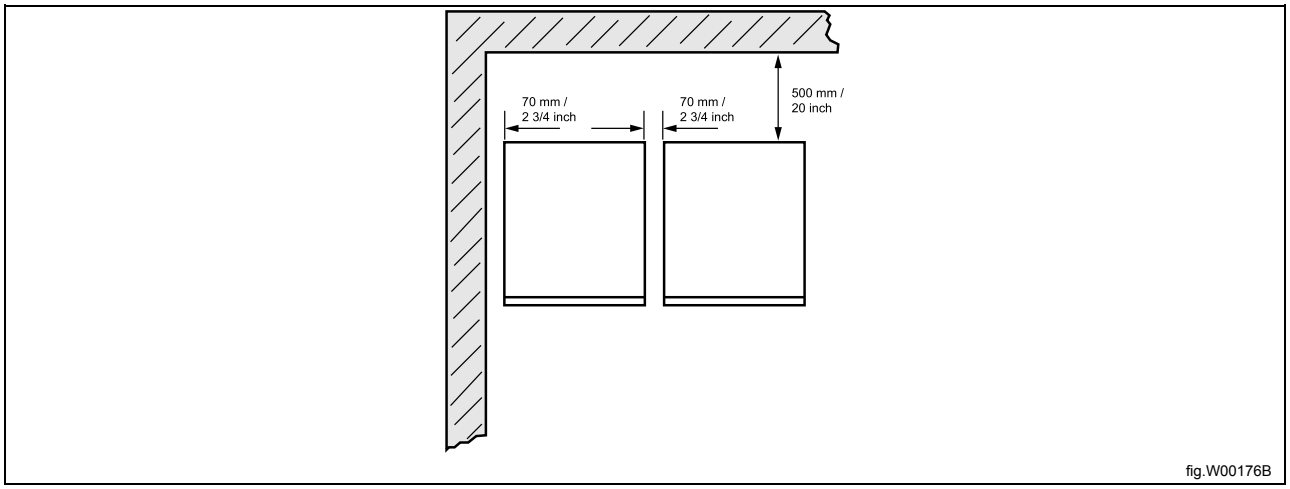
Remove the machine from the pallet. The machine shall be lifted in the bottom frame.
Mount the enclosed supporting feet and level the machine.



Remount the front- and the back panel.
Place the machine on its final position.

3.2 Siting

Install the machine close to a floor drain or open drain.
The machine should be positioned so that there is plenty of room for working, both for the user and service personnel.
The figure shows minimum distance to a wall and/or other machines.



3.3 Mechanical installation

If the machine is not to be mounted on a base the machine must be fastened to the floor.

Mark and drill two holes (⌀ 8 mm) about 40 mm deep.

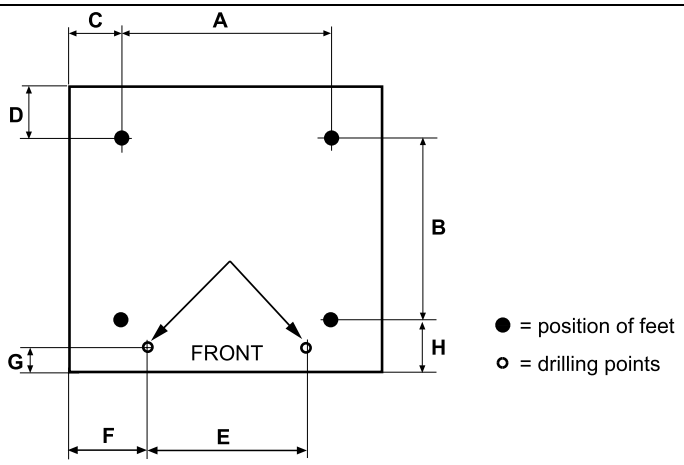


fig.5358

	A	B	C	D	E	F	G	H
mm	530	490	35	125	290	150	40	50

Place the machine over the two drilled holes. The holes are at the front of the machine.

Level the machine with the feet of the machine. Screw in the feet as much as possible before starting to level the machine. This will make the machine stand steadier.

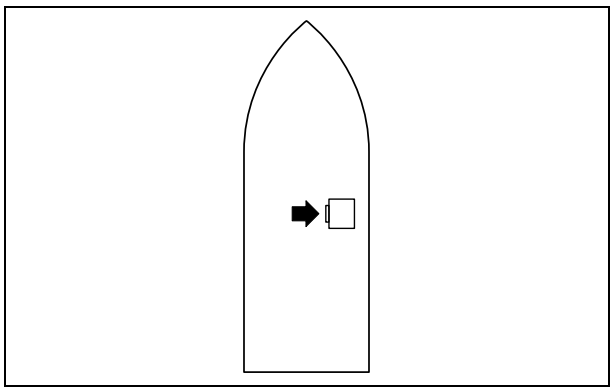
Insert the expansion bolts supplied into the holes drilled in the floor. Fit the washers and nuts and tighten well.

It is of the upmost importance that the machine is placed in level, from side to side as well as front to rear. If the machine is not properly levelled, it may result in out-of-balance without a real out of balance in the drum.

4 Marine installation

The maximum value for rolling is ± 15° and for stamping ± 8°.

The machine shall be placed as in the figure.



To ensure steadiness of the machine; the machine must be fastened to the floor.
Mark and drill two holes (A) ⌀ 8.5 mm.

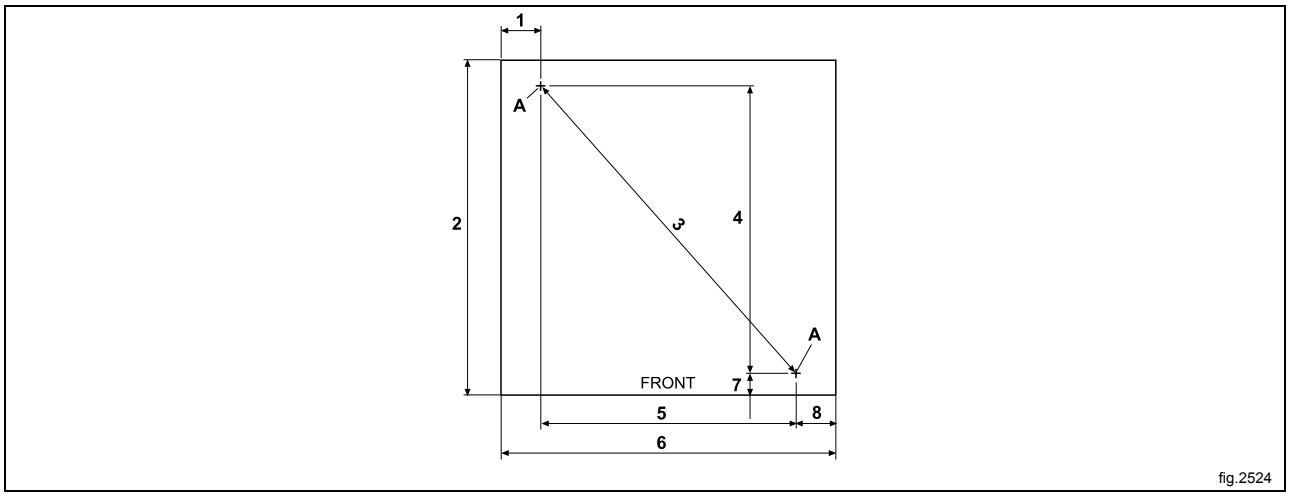


fig.2524

	1	2	3	4	5	6	7	8
mm	70	590	676	506	450	590	40	70

Thread the holes with M10 bolts.
Thread up the four feet of the machine as much as possible.
Place the machine at its site.
Place the spacers (B) between the machine and the floor.
Tighten the machine to the floor with the two bolts.
Adjust the feet of the machine to the floor and lock them with the nuts.

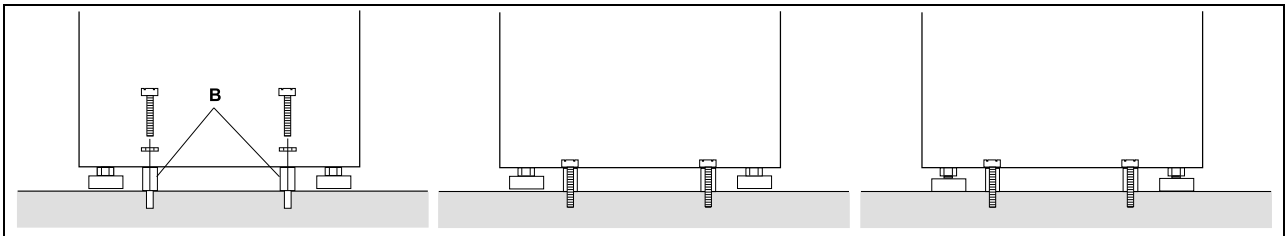
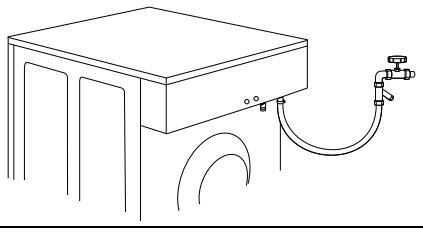
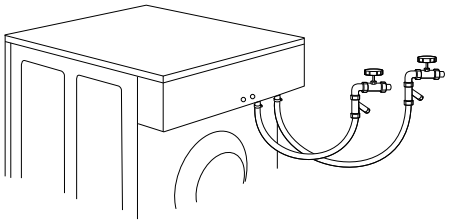
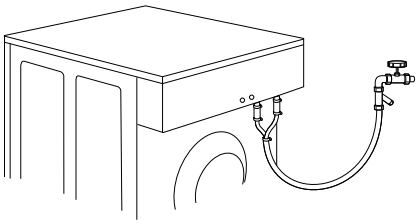


fig.2521A

5 Water connection

All water intake connections to the machine should be fitted with manual shut-off valves and filters, to facilitate installation and servicing.
Water pipes and hoses should be flushed clean before installation.
The machine shall be connected with new water hoses. Re-used water hoses must not be used.
Hoses are to be of an approved type and grade and comply with IEC 61770.
After installation hoses must hang in gentle arcs.
The machine can have one or two supply hoses.

Machine with cold water intake only.	
Machine with hot and cold water intake.	
When the machine is prepared for cold and hot water but no hot water is available, both valves must be connected with cold water.	

Water pressure:
Miniumum: 50 kPa (0.5 kp/cm^2)
Maximum: 1 MPa (10 kp/cm^2)
Recommended: 200-500 kPa (2–5 kp/cm^2)

For WRAS-approved machines; always check connection requirements on WRAS website.

6 Connection of external dosing systems

6.1 Connection of the hoses

The machine is prepared for connection of external dosing systems or water re-use systems etc.

There are two versions of hose nipples, follow the instructions for the hose nipples that is provided for your type of machine.

Up to machine No. —60055/151668

Fit the hose nipples provided and connect the hoses to the hose nipples.

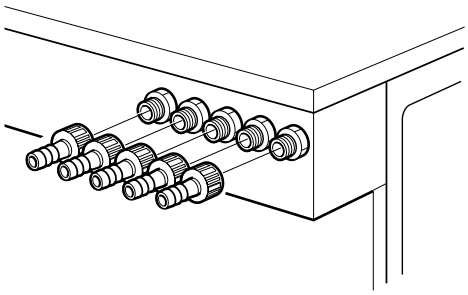


fig.5964

From machine No. 60055/151689–

Cut the top of the hose nipples to be used as showed in the figure.

Connect the hoses to the hose nipples.

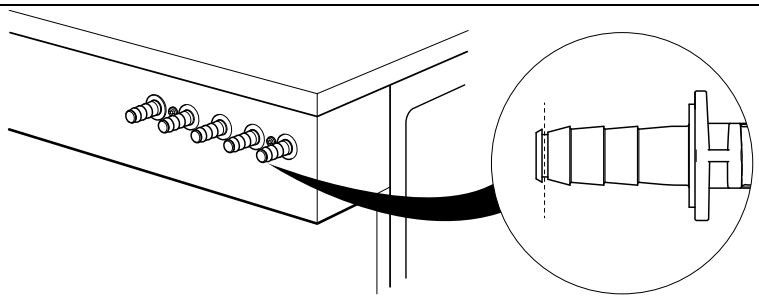


fig.5964A

Always connect hoses on connections with a hose clamp.

If the hoses are made of a soft material such as silikon or similair, use a cable tie to fasten the hose on the connection. If the hoses are made of a hard material, it is not recommended to make the connection tighter by using a cable tie.

Note!

Equipment for external dosing must only be connected to work on pump pressure and not on network pressure.

6.2 Electrical connection of external dosing system

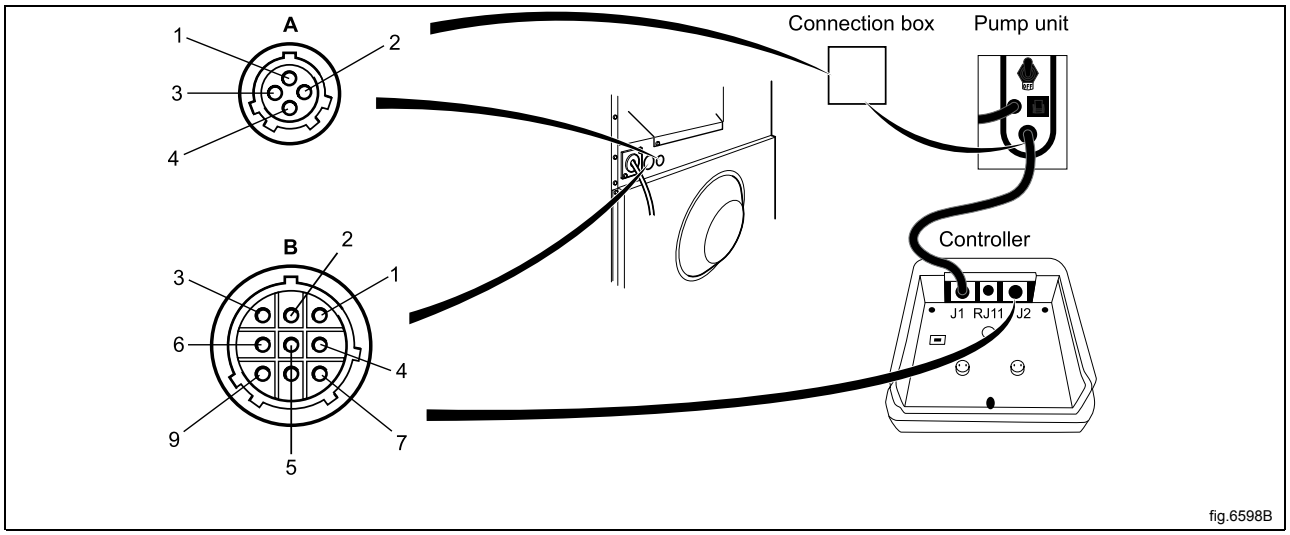
The power supply to the external dosing system must never be connected to the machine's incoming terminal block or to the edge connectors on the I/O-board.

6.2.1 Machine with connectors

Connect the external dosing system to connections A and B on the machine.

Connect the signal cable to B and the power supply to A.

For Efficient dosing system the cables are delivered with the machine.
Connect the power supply cable to the machine A and the other end of the cable together with the cable from Efficient Dosing in a connection box or with plug and receptacle.
Connect one end of the cable to the Efficient Dosing Controller J2 and the other end to the machine B.



	A
1	Line
2	Neutral
3	
4	Ground

	B
1	Neutral
2	Program run
3	Gnd
4	Signal 2
5	Signal 3
6	Signal 4
7	Signal 5
8	Rx
9	Tx

6.2.2 Machine without connectors

Connect the external dosing system to the I/O board, which is located to the right of the incoming power supply.
The I/O board has edge connectors for connecting external dosing systems.
Edge connectors on the I/O board can be loosened for connecting cables.

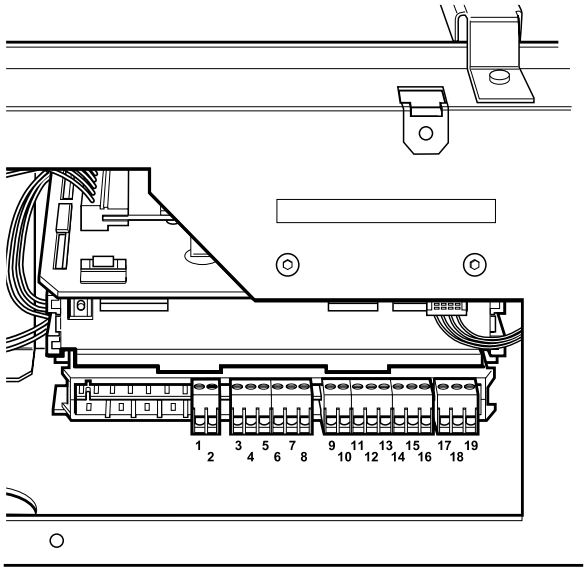


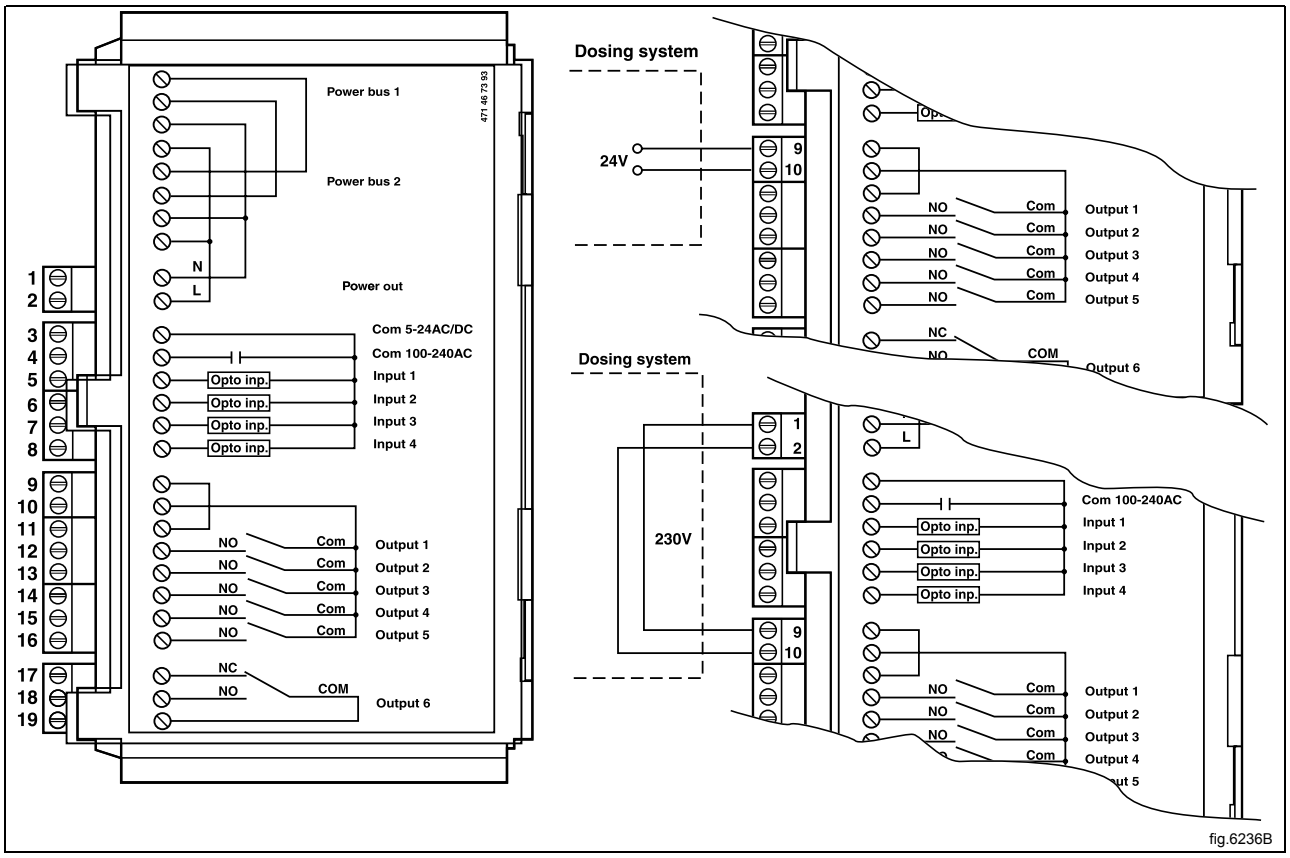
fig.6238

6.2.3 Outputs

Connect the power supply (e.g. 24V DC) for the external liquid supplies to 9 and 10. If an internal power supply (from the machine) is being used, it can be taken from 1 (N) and connected to 9 and from 2 (L) and connected to 10. Max load on the outputs 0.5 A.

Signals for external liquid supplies 1-5 are connected to 12-16 where connector:

12 = Signal 1
13 = Signal 2
14 = Signal 3
15 = Signal 4
16 = Signal 5



	6M14	6F01	6R01	6F02	Other programs
Signal 1	-	Pre-wash	Pre-wash	Pre-wash	Pre-wash
Signal 2	Main wash	Main wash	Main wash	Main wash	Main wash
Signal 3	Softener	Softener	Softener	Softener	Softener
Signal 4	Mop last rinse	Desinfection	Pr 1 last rinse	Mainwash	-
Signal 5	Bleach	Bleach	Bleach	Bleach	Bleach

6.2.4 Inputs

The signal level can be 5-24V DC/AC or 100- 240V AC. For 5-24V, the signal reference is connected to 3 and for 100-240V to 4. Potentials on the inputs cannot be mixed.

Note!

The I/O board will be damaged if the voltage on connection 3 is too high > 24V.

Connection 8 may be connected if the program is to pause, e.g. while detergent is being dosed.

The figure shows an example of engaging a 24V pause signal. The program will pause for as long as the pause signal remains activated (high).

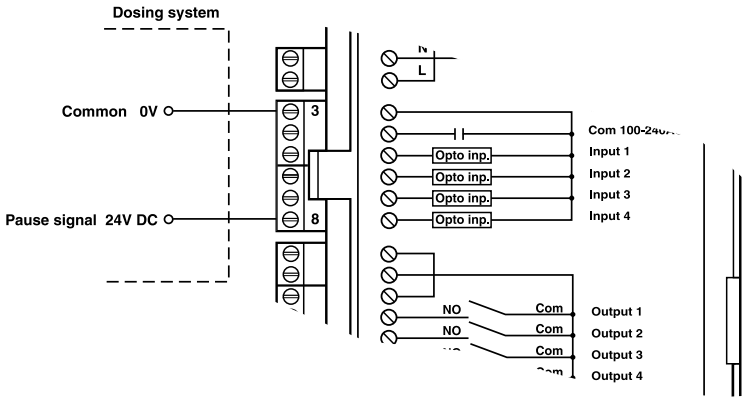


fig.6266

Connection 7. If this is connected, an error message will be displayed if any of the chemical tanks are empty. The program will continue, however.

The figure shows an example of engaging a normal open contact.

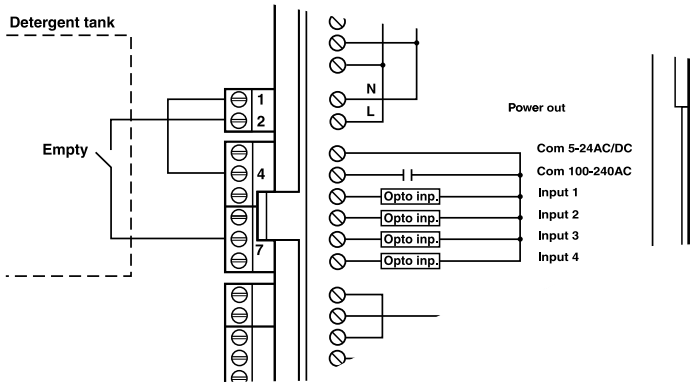


fig.6265

7 Drain connection

Drain valve

The drainage pipe should be located over a floor drain, drainage channel or the like so that the distance between the outlet and the drain is at least 25 mm.

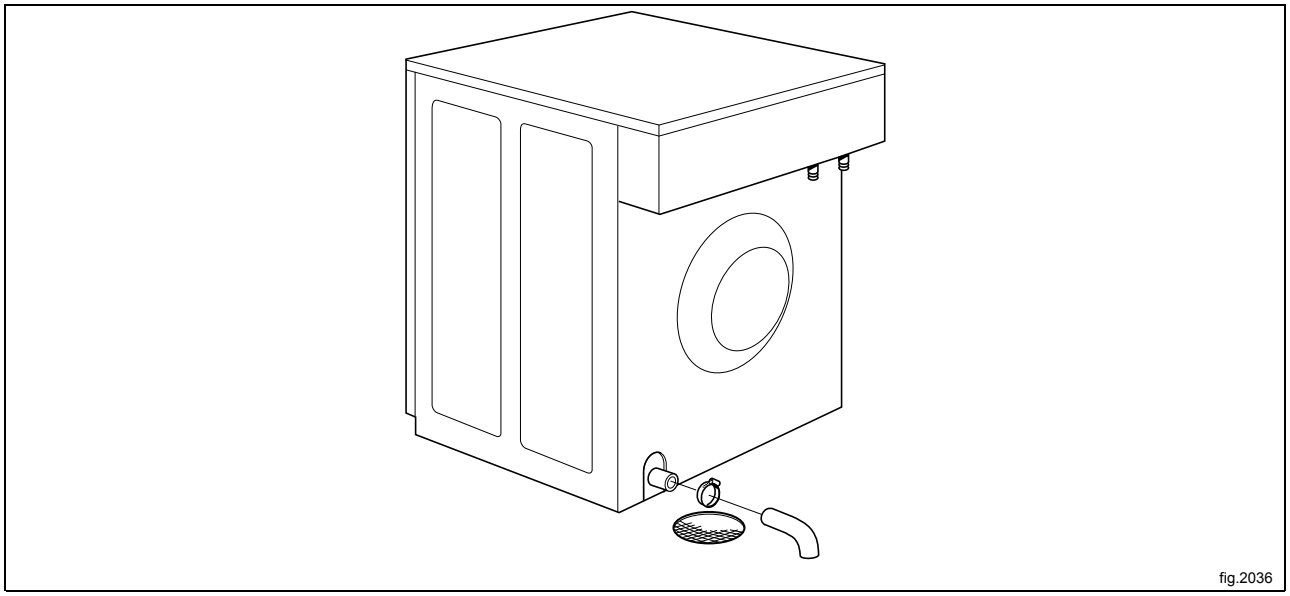


fig.2036

Drain pump

The drainage pipe should be located over a floor drain, drainage channel or the like.

The highest part of the drain hose shall be positioned according to the figure.

Make sure there is no kinks in the hose.

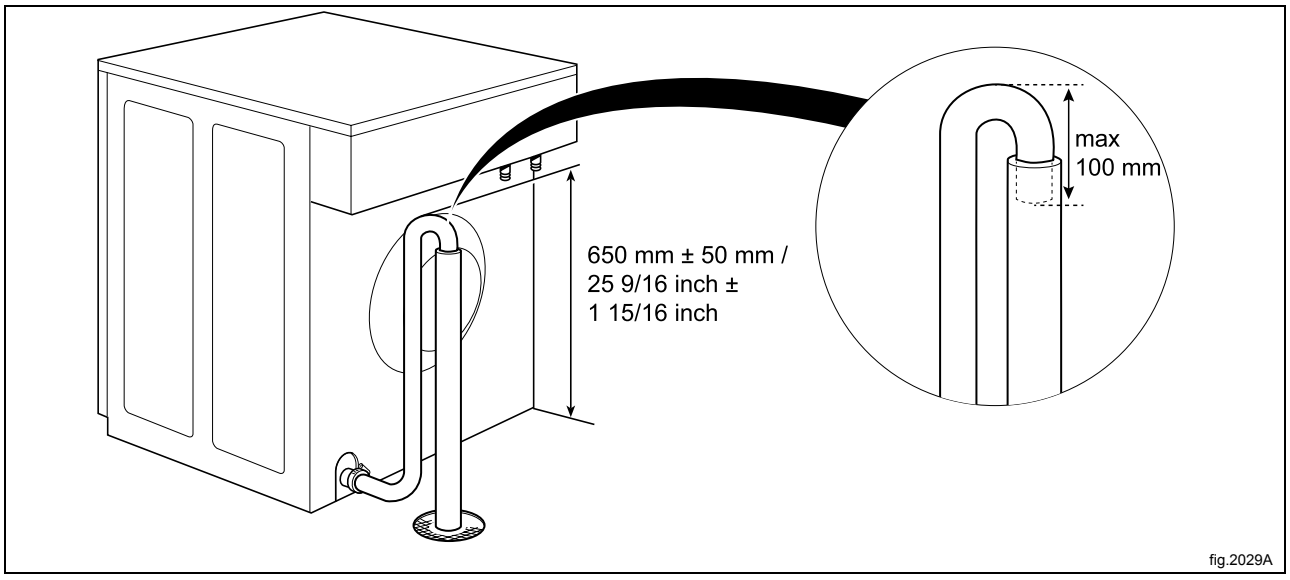


fig.2029A

8 Electrical connection

8.1 Electrical installation

The electrical installation may only be carried out by qualified personnel.

In accordance with the wiring rules: mount a multi-pole switch prior to the machine to facilitate installation and service operations.

Connect the machine's cable to the switch.

Check that the earth has been connected in the correct way.

For the rating of the supply cable, check the local regulations. Min. outer diameter for supply cable ø 10 mm.

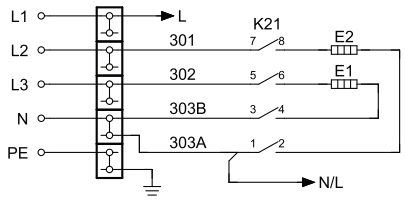
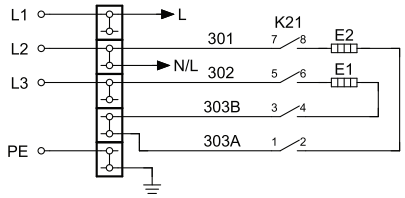
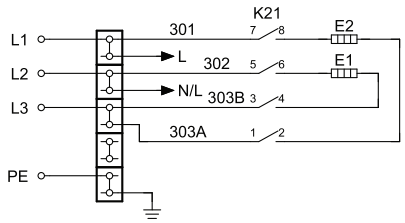
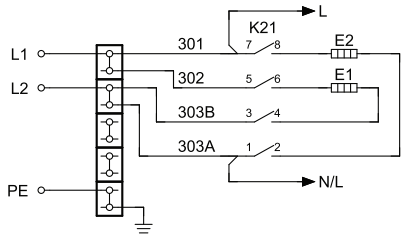
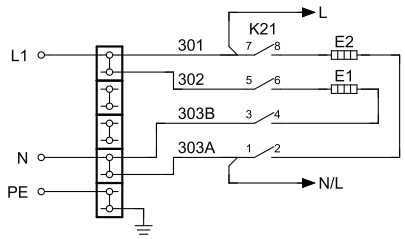
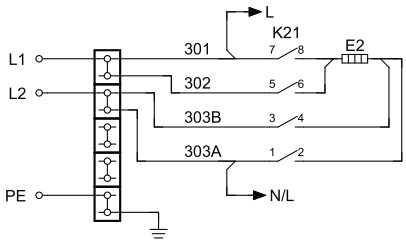
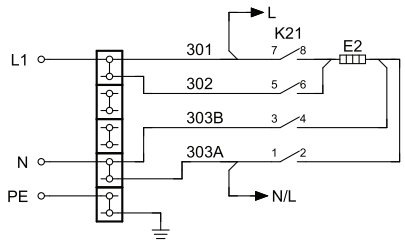
The connecting cable shall hang in a gentle curve.

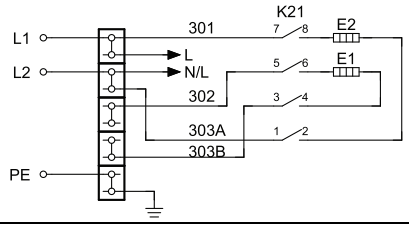
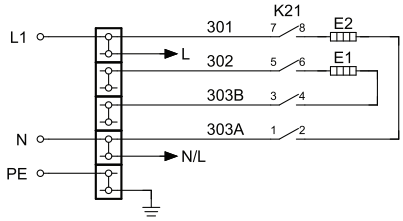
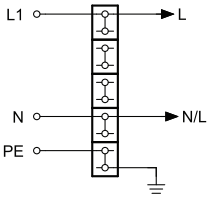
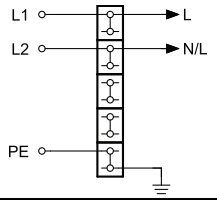
8.2 Electrical connections

Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse A
Electric heated	220–240V 1N ~	50/60	2.2/2.8	2.4/3.0	16
	220–240V 1N ~	50/60	4.4	4.6	20
	220-230V 1N ~	50/60	4.4	4.6	25
	220–240V 3 ~	50/60	4.4	4.6	16
	220–230V 3 ~	50/60	4.4	4.6	20
	380–415V 3N ~	50/60	4.4	4.6	10
	380-415V 3 ~	50/60	3.6	3.8	10
	440V/480 3 ~	50/60	4.0/4.4	4.3/4.7	10
Non heated	110–480V 1/3 ~	50/60	-	0.5	10

8.3 Machine connection

The machine can be switched/reconnected to the following options.

Connection option 380–415V/3N~ 4.4 kW Electric heated	
Connection option 380–415V/3~ 4.4 kW Electric heated	
Connection option 208–240V/3~ 4.4 kW Electric heated	
Connection option 208–240V/1~ 4.4 kW Electric heated	
Connection option 208–240V/1N~ 4.4 kW Electric heated	
Connection option 208–240V/1~ 2.2 kW Electric heated	
Connection option 208–240V/1N~ 2.2 kW Electric heated	

Connection option 208–240V/1~ 2.2 kW Electric heated	
Connection option 208–240V/1N~ 2.2 kW Electric heated	
Connection option 100–240V/1N~ Non heated	
Connection option 100–240V/1~ Non heated	

Reconnection/switchover of this type can not be performed on machines fitted with a transformer.
The machine can not be switched from 50 Hz to 60 Hz or vice versa.
In cases where the machine data plate does not state the new voltage option, this should be added to the machine data plate.

8.4 Functions for I/O-cards

The electrical schematic can be one of the following:

8.4.1 External coin meter/Central payment (2A)

The signal received from external coin meters must be a pulse between 300–3000 ms (500 ms is recommended) with a minimum pause of 300 ms (500 ms is recommended) between two pulses.

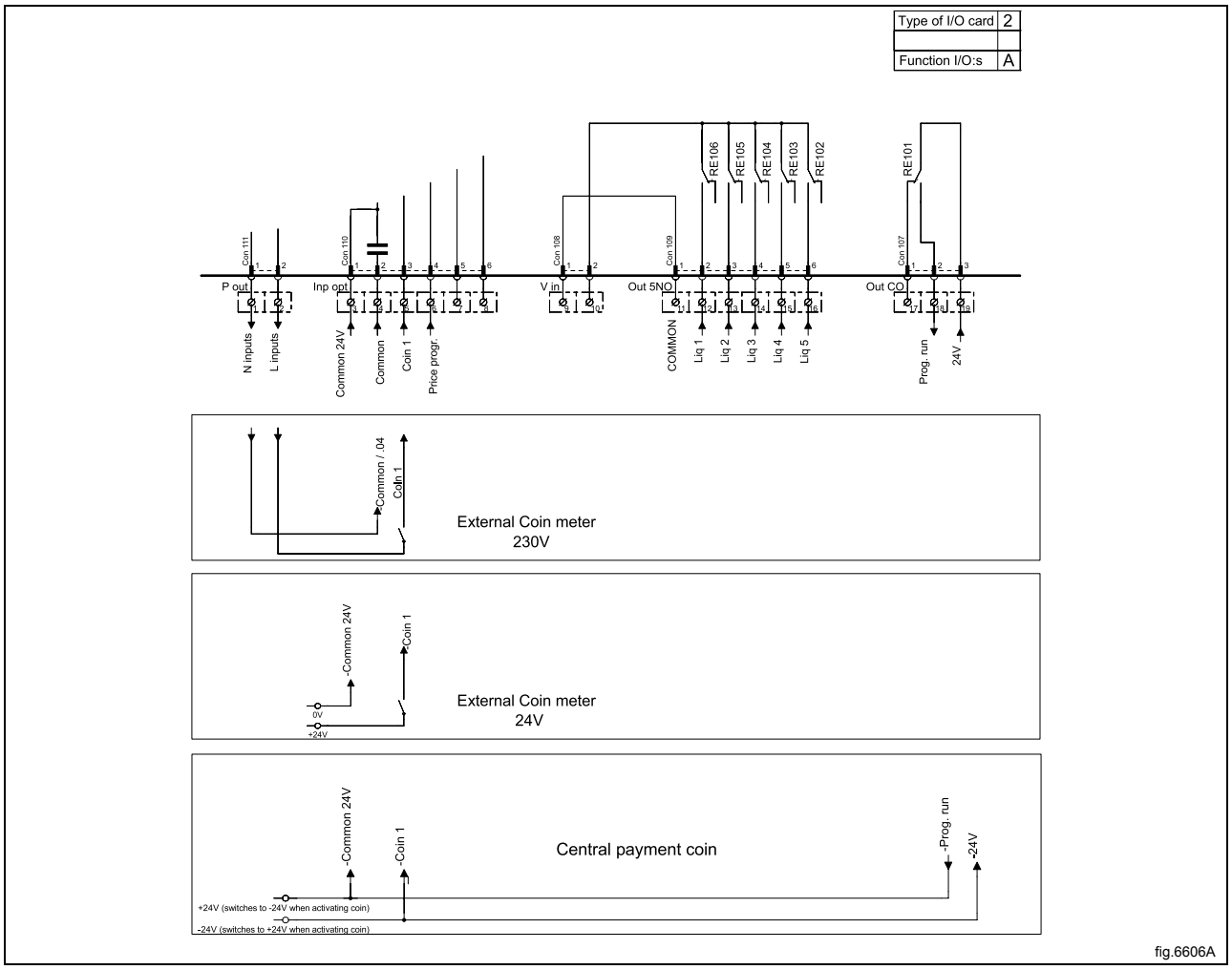


fig.6606A

8.4.2 Central payment (2B)

To start the machine from a central payment system, the payment system must transmit a start pulse to the machine. The start pulse can be either 230V or 24V. In order to receive a feedback signal once the machine has started, 230V or 24V must be connected to connection 19. The feedback signal on connection 18 remains active (high) during the entire program.

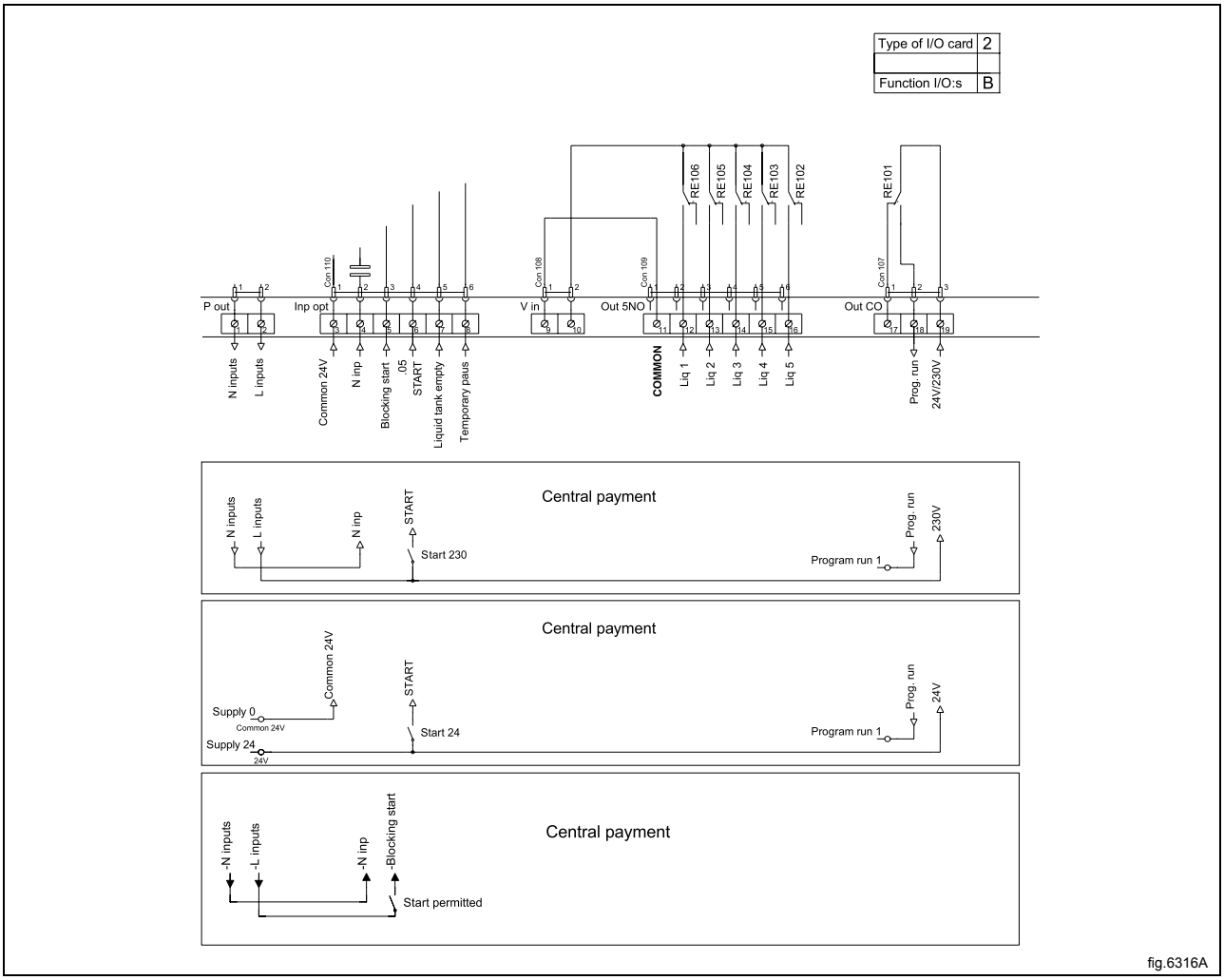


fig.6316A

8.4.3 Central payment (2C)

The central payment or booking system shall transmit an active (high) signal to the machine once permission has been granted to start the machine. The signal must remain active (high) until the machine starts. A feedback signal will be present on connection 18 and remain active (high) whilst the machine door is closed but the program has not started. The feedback signal is powered by 230V or 24V from connection 19.

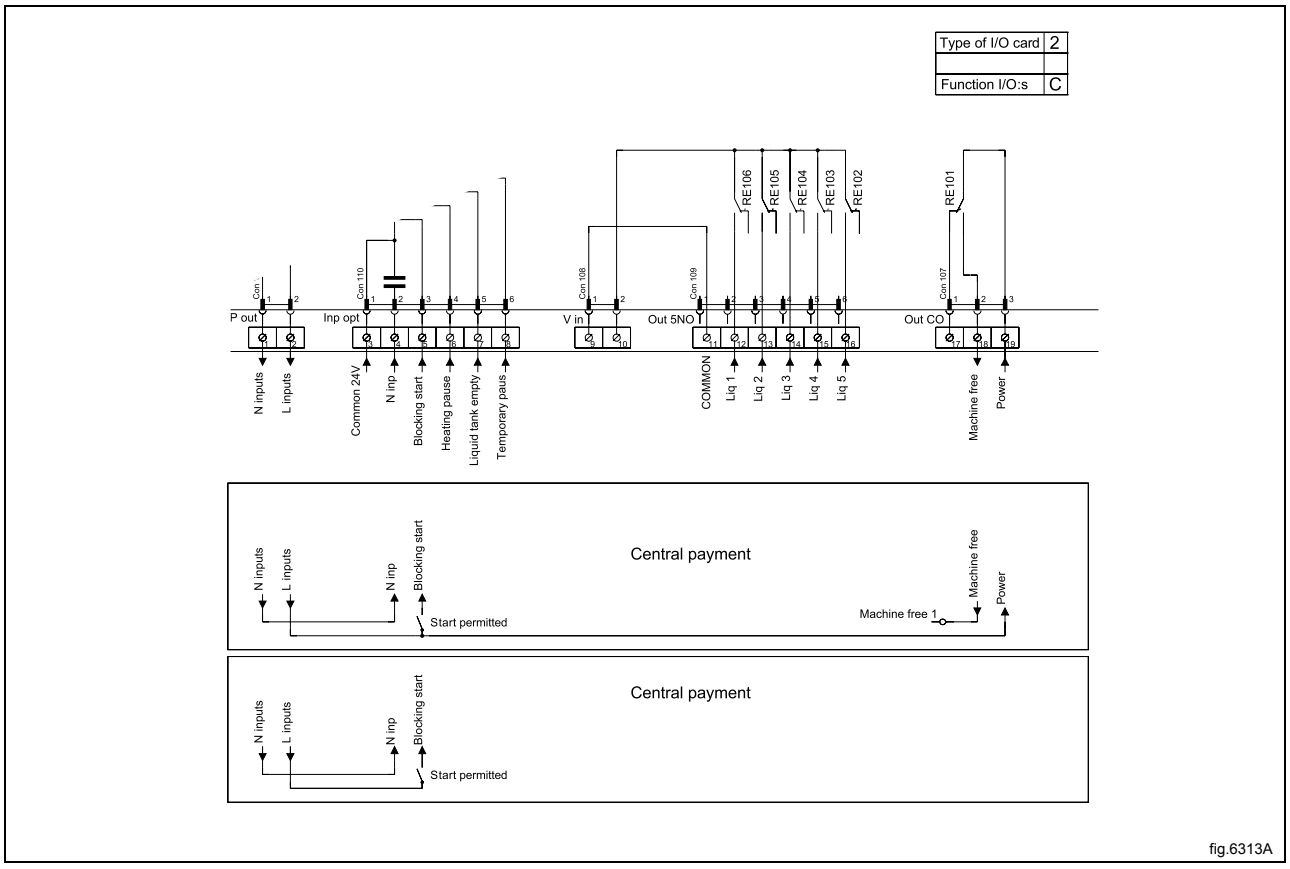


fig.6313A

8.4.4 Outputs for detergent signals and inputs for pause signals, "empty" signal and price reduction (2D)

The figure shows standard function addressing for machines with the coin program package.

By maintaining an active (high) signal on connection 5 ("Price red"), the price of the program can be reduced. This function has a number of uses, including providing reductions during a specific period of the day. Whilst the signal remains active (high), the price of the program is reduced by the percentage entered in the price programming menu.

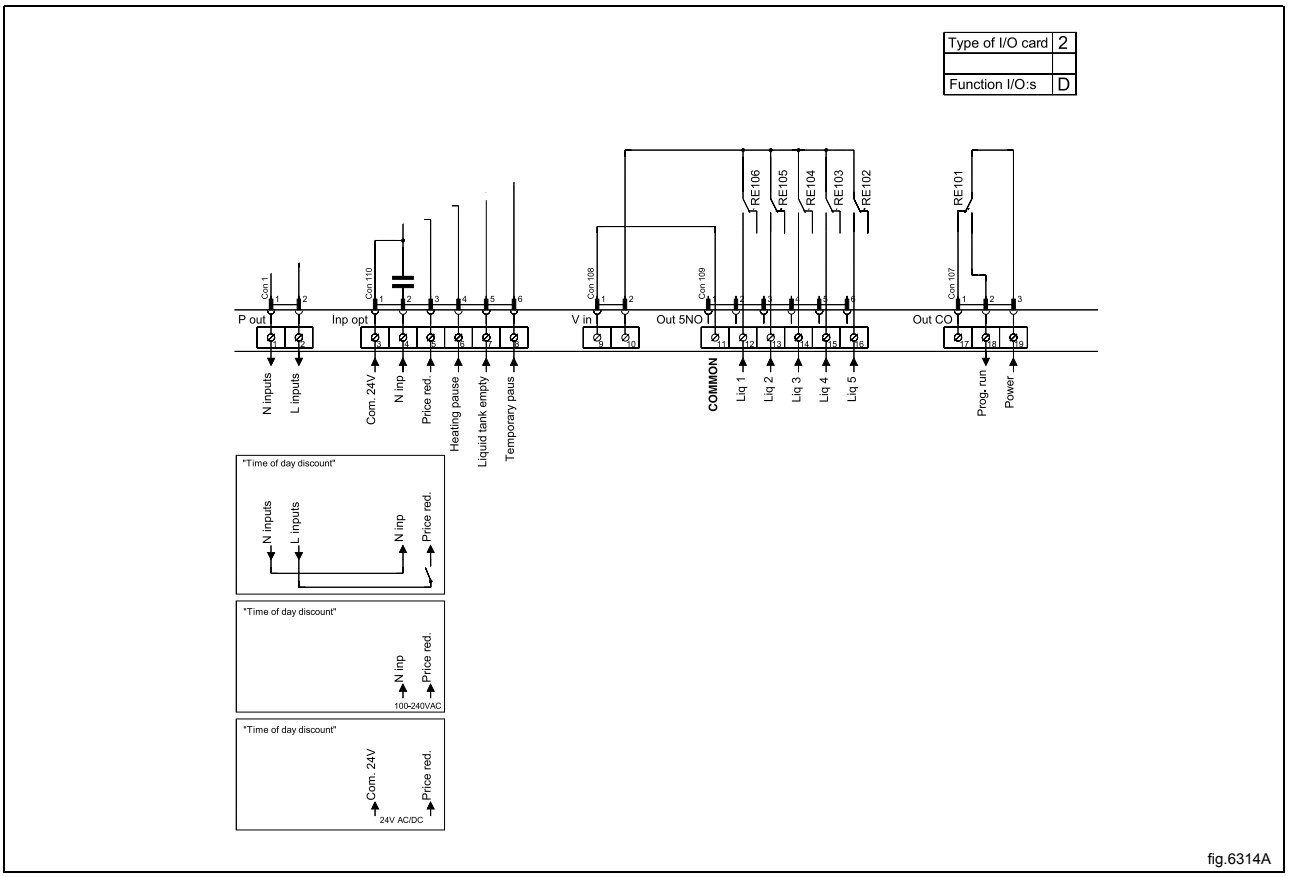


fig.6314A

8.4.5 Central booking/payment (2F)

The central payment or booking system shall provide an active (high) signal to the machine once permission has been granted to start the machine. The signal must remain active (high) until the machine starts. A feedback signal will be present on connection 18 and remain active (high) whilst the program is running. The feedback signal is powered by 230V from connection 19 or external 24V.

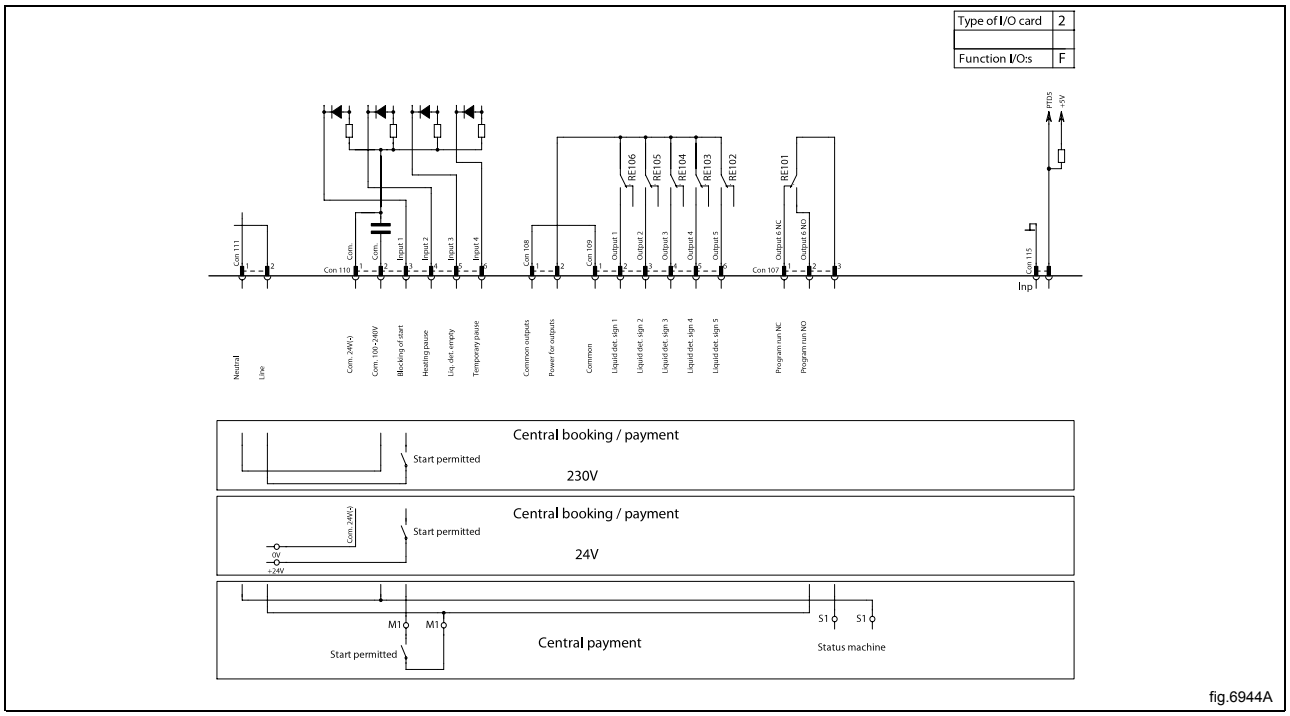


fig.6944A

9 At first power up

When the installation is complete and the power is connected for the first time you will be forced to make the following settings. When one setting is ready you will automatically enter the next one.

- Select language
- Set time and date
- Activate/deactivate the service alarm

For more information about the following settings please refer to the Programming and configuration manual.

9.1 Select language

Select language from the list on the display.

This will be the language that all display messages, program names etc will be presented in.

9.2 Set time and date

Select YES and press the control knob to get to the menu TIME/DATE.

Activate the SET TIME menu and set the correct time.

Save the settings.

Activate the SET DATE menu and set the correct date. Start by setting the year.

- Set the year. Exit to continue with a long press on the control knob.
- Set the month. Exit to continue with a long press on the control knob.
- Set the day. Exit with a long press on the control knob and then save with a long press on the control knob.

Exit the menu when ready.

10 Function check


May only be carried out by qualified personnel.

A function check must be made when the installation is finished and before the machine can be ready to be used.

Open the manual water valves.

Add detergent in the compartment for main wash and start a program.

- Check that the drum rotates normally and that there are no unusual noises.
- Check that there are no leaks in water supply/drain connections.
- Check that water passes through the detergent container.
- Check that the door cannot be opened during a program.

Ready to use

If all tests are OK the machine is now ready to be used.

If some of the tests failed, or deficiencies or errors are detected, please contact your local service organisation or dealer.

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