



Installation manual

Tumble dryer

T5130, T5130C

Type N1130



Thinking of you
Electrolux

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

1 Safety Precautions



The machine 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 machine.

The machine is not to be used if industrial chemicals have been used for cleaning.

Do not dry unwashed items in the machine.

Items that have been soiled with substances such as cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes and wax removers should be washed in hot water with an extra amount of detergent before being dried in the machine.

Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the machine.

Fabric softeners or similar products should be used as specified by the fabric softener instructions.

The final part of a drying cycle occurs without heat (cool down cycle) to ensure that the items are left at a temperature that ensures that the items will not be damaged.

Remove all objects from pockets such as lighters and matches.

WARNING. Never stop the machine before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.

Adequate ventilation has to be provided to avoid the back flow of gases into the room for appliances burning other fuels, including open fires.

Exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances burning gas or other fuels.

The machine must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the machine.

If the machine has a lint trap this has to be cleaned frequently.

The lint must not be accumulated around the machine.

DO NOT MODIFY THIS APPLIANCE.

Gas heated tumble dryer:

Before installation, check that the local distribution conditions, nature of gas and pressure and the adjustment of the appliance are compatible.

The machine is not to be installed in rooms containing cleaning machines with perchloroethylene, TRICHLOROETHYLENE or CHLOROFLUOROCONTAINING HYDROCARBONS as cleaning agents.

If you can smell gas:

- Do not switch on any equipment
- Do not use electrical switches
- Do not use telephones in the building
- Evacuate the room, building or area
- Contact the person responsible for the machine

Safety Precautions



All external equipment which is connected to the machine must be CE/EMC-approved and connected using an approved shielded cable.



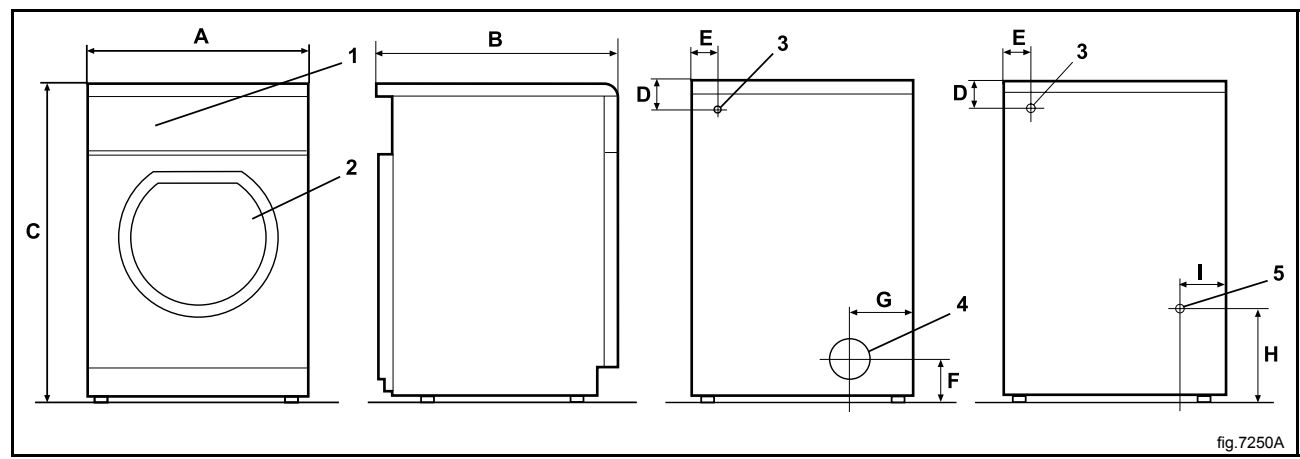
In order to prevent damage to the electronics (and other parts) that may occur as the result of condensation, the machine should be placed in room temperature for 24 hours before being used for the first time.



Servicing shall be carried out only by authorized personnel.

2 Technical data

2.1 Drawing



1	Operating panel
2	Door opening, \varnothing 370 mm
3	Electrical connection
4	Exhaust connection
5	Condense connection

	A	B	C	D	E	F	G	H
mm	595	735	850	80	80	100	200	235

	I	J	K
mm	115	300	70

2.2 Technical data

		T5130	T5130C
Weight, net	kg	54	57
Drum volume	litres	130	130
Drum diameter	mm	575	575
Drum depth	mm	500	500
Drum speed	rpm	53	53
G-factor, max.		0.9	0.9
Rated capacity, filling factor 1:22 (Max. load)	kg	6	6
Heating: Electricity	kW	5.1	3.0
	kW	3.2	
Airborne sound level	dB(A)	70	70

2.3 Connections

		T5130	T5130C
Air outlet	ø mm	100	—
Condensate outlet		-	1/2" ISO 7/1–Rp1/2

3 Setup

3.1 Unpacking

Note!

Two persons are recommended for the unpacking.

The machine is delivered complete with supporting feet.

Remove packing from the machine.

Remove the machine from the pallet.

Note!

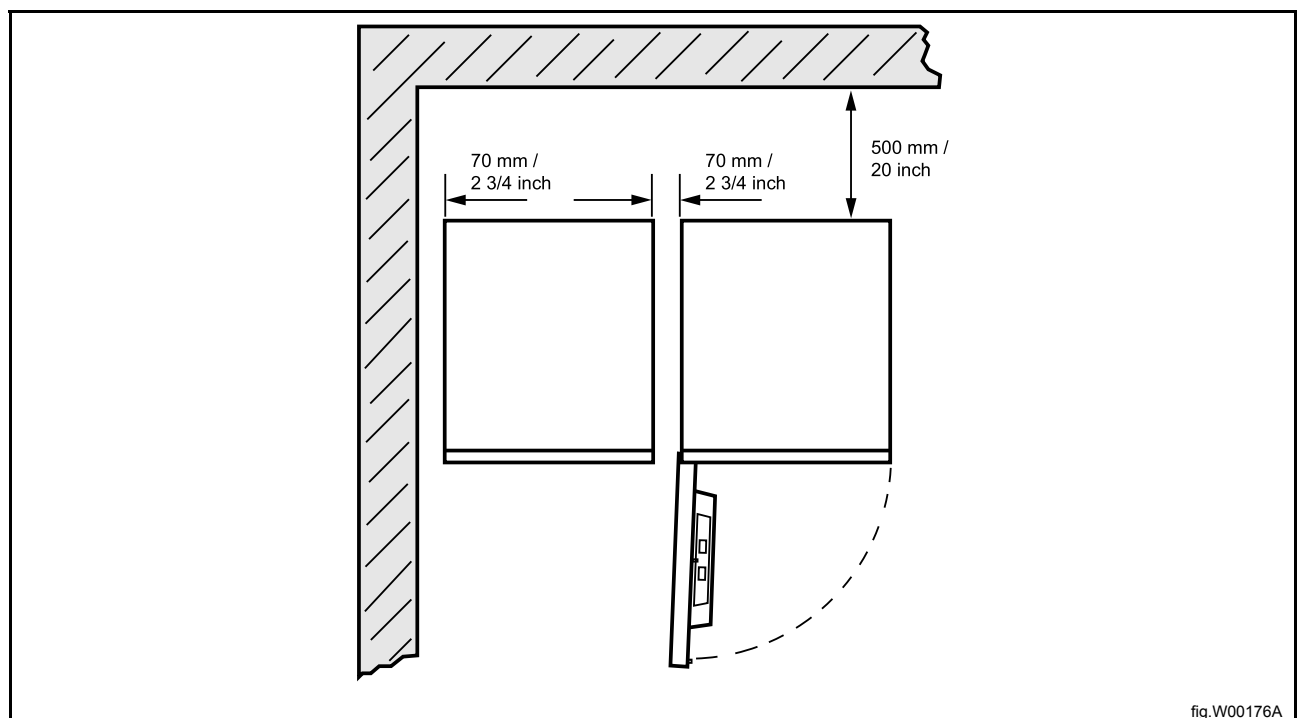
When removing the machine, handle it with care. The drum has no transport clamps.

Place the machine on its final position.

3.2 Siting

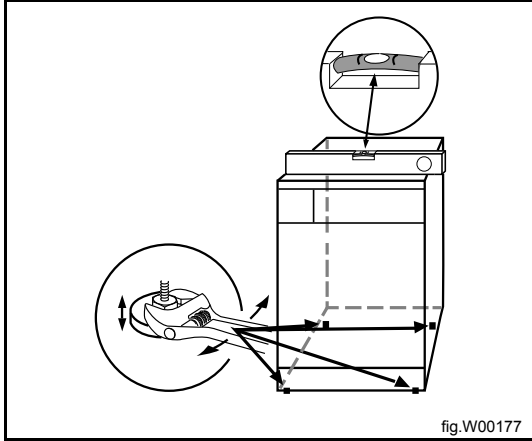
The machine should be positioned so that there is plenty of room for working, both for the user and service personnel.

The figure shows minimum distance to a wall and/or other machines.



3.3 Mechanical installation

Level the machine with the feet of the machine. The maximum height adjustment of the feet is 14 mm.



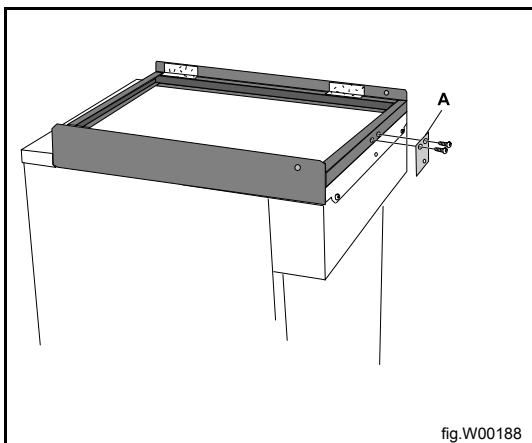
3.4 Stacking frame

The machine can be installed on top of a another 130 litre tumble dryer or a 53 litre washer extractor.

Make sure that the machine that shall be at the bottom is in level.

Also make sure the top panel is clean before starting the installation.

Place the stacking frame on top of the machine that shall be at the bottom and fasten the bracket (A) on the stacking frame.



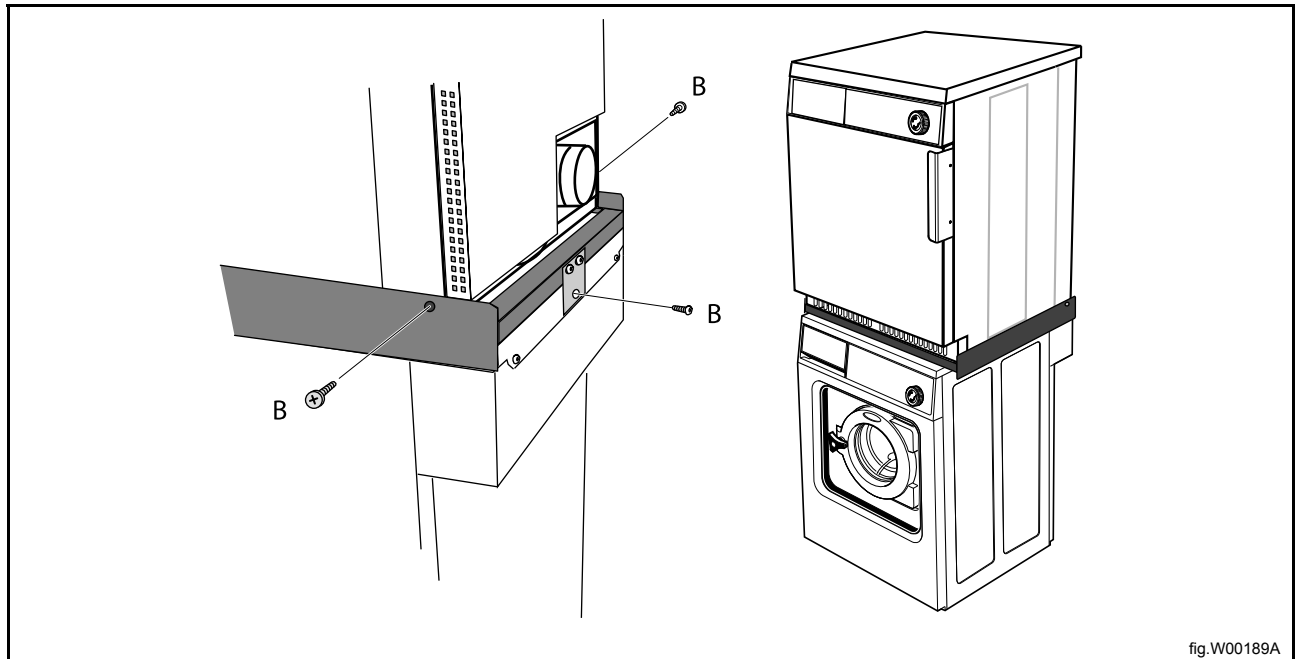
Before placing the machine on top of the other, screw up the feet as far as possible to prevent them from touching the other machine.

Place the machine on top of the other. The front of the machines shall be in line.

Fasten the screws (B), this will prevent the machine from tilting.

Note!

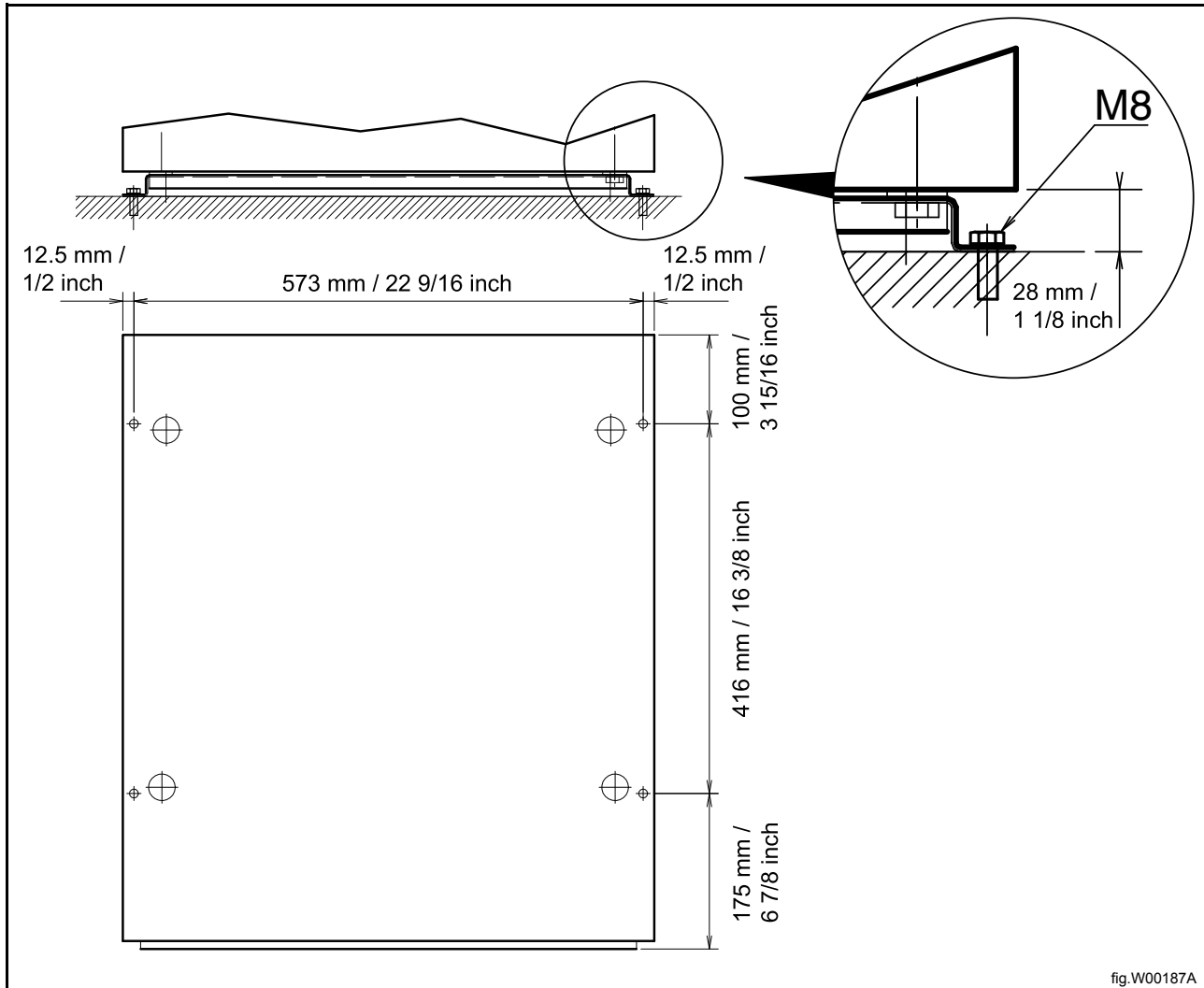
Make sure there is holes for the screws (B) to fasten the stacking frame on the machine. If not, drill 3.3 mm holes on the machine.



4 Marine installation

To ensure steadiness of the machine it is important to fasten the machine to the foundation.

The machine is delivered with fittings. Fasten the four fittings to the foundation using four x M8 bolts.



5 Reversing the door

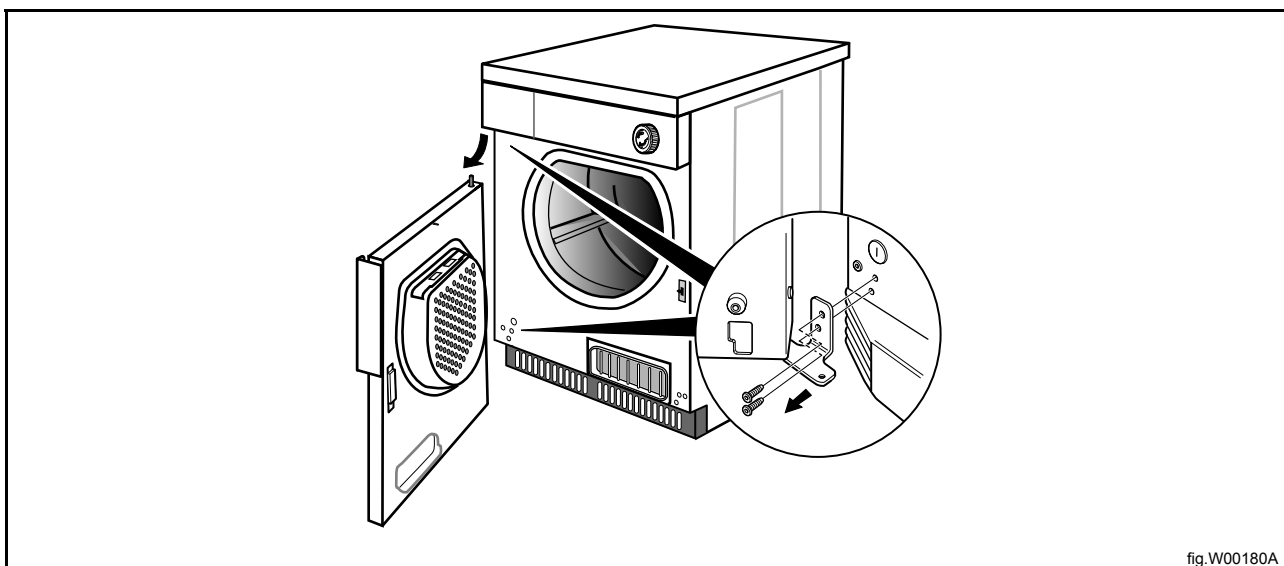
Disconnect the power to the machine.

Demount the lower hinge and lift off the door.

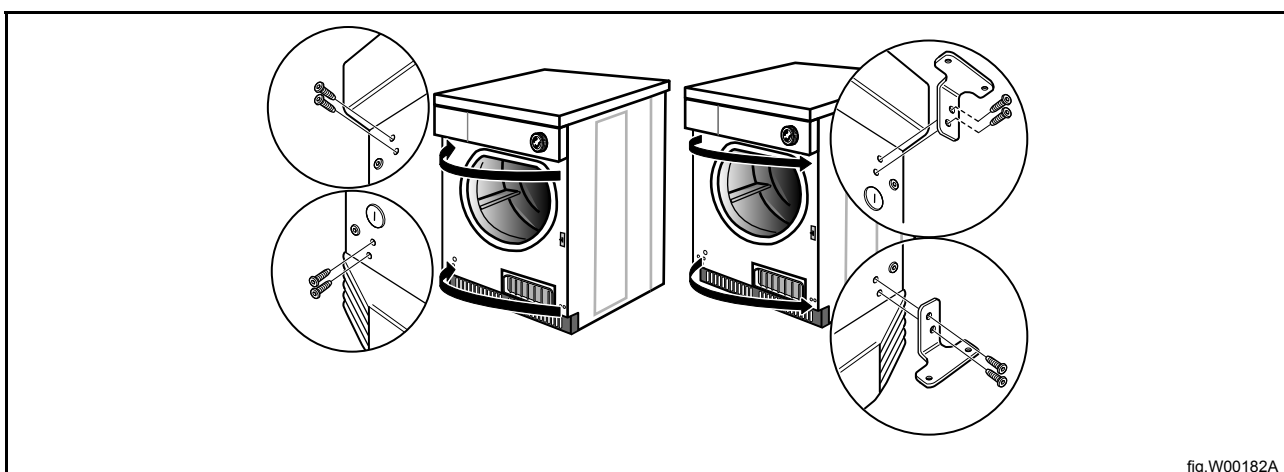
Note!

Make sure to hold the door in position when loosening the hinge mounting.

Demount the upper hinge.



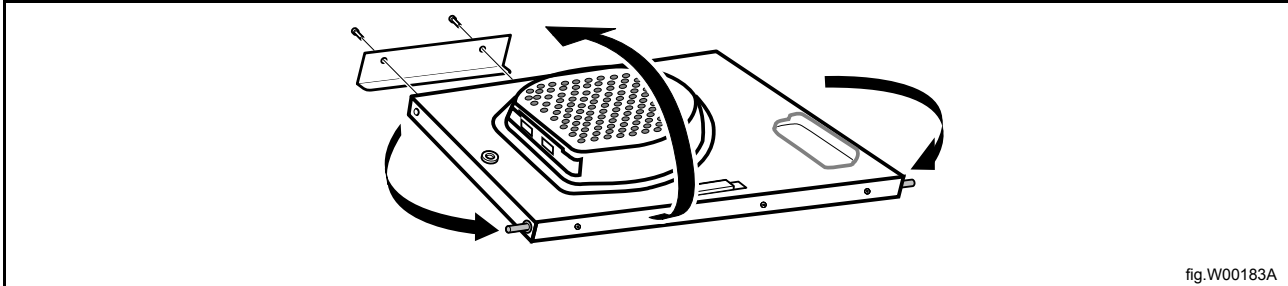
Demount the cover screws on the other side and mount them where the hinges was. Mount the hinges on the other side where the cover screws was. Mount the lower hinge soft, with one screw first, in order to make it easier to place the door back in position.



Reversing the door

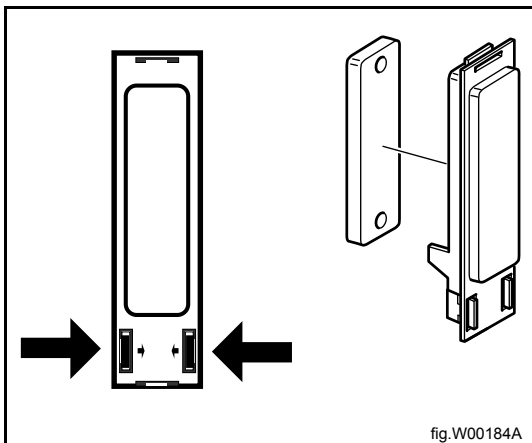
Demount the door handle and remount the screws. Mount the door handle on the opposite side using the existing screws.

Remove the upper and lower pivot and mount them at the opposite side.



Demount the locking panels by loosening the barb with a screwdriver.

Press out the locking panels, swap them over and press into position.



Mount the door on the other side. Push the door and the top pivot into the upper hinge and then adjust the lower pivot into the lower hinge. Mount the remaining screw when the lower pivot is in correct position. Tighten the screws.

Connect the power to the machine.

Test run the machine.

6 Evacuation system

6.1 Air principle

T5130

The fan creates low pressure in the machine, drawing air into the drum via the heating unit.

The heated air passes through the garments and the drum vents.

The air then flows out through a lint filter positioned in the door. After this, the air is evacuated through the fan and exhaust system.

Note!

It is very important that the machine gets enough fresh air in order to get the best drying result.

T5130C

The condensate machine does not have evacuation of air into the open.

The air is circulated in a closed system between the machine and the condensing unit. The water in the garments condenses in the condensing unit and is led out to the drain. The drain hose shall hang freely with a gentle bend.

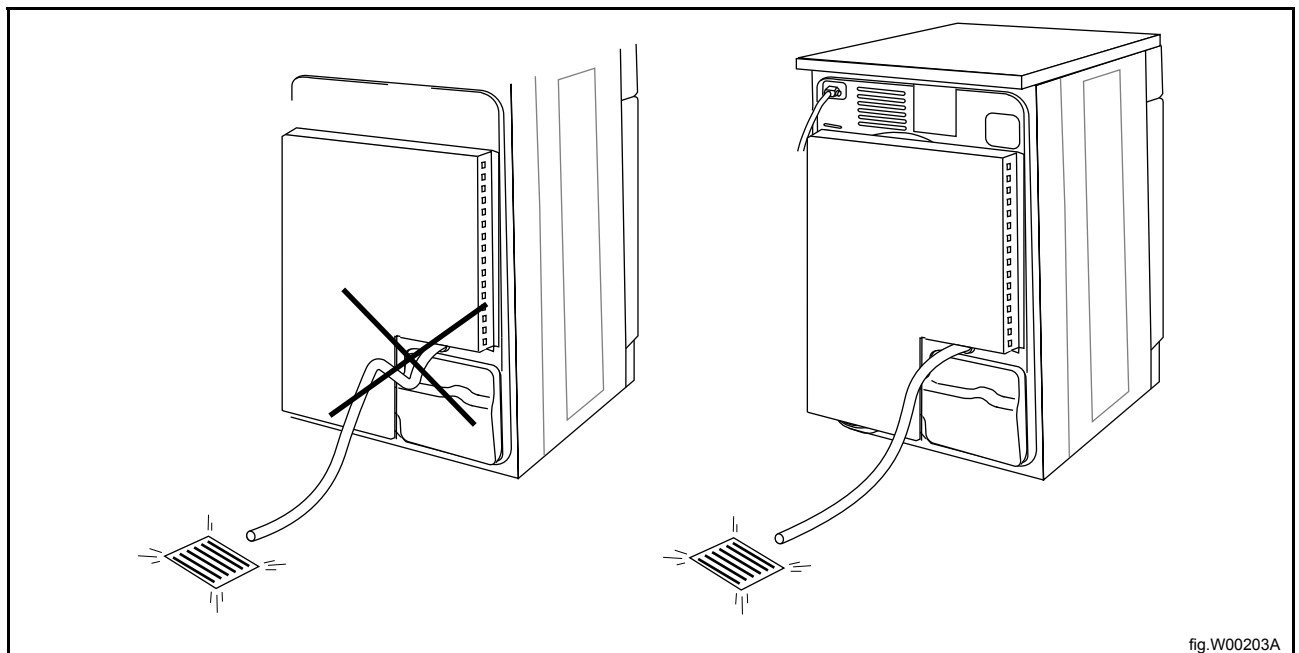


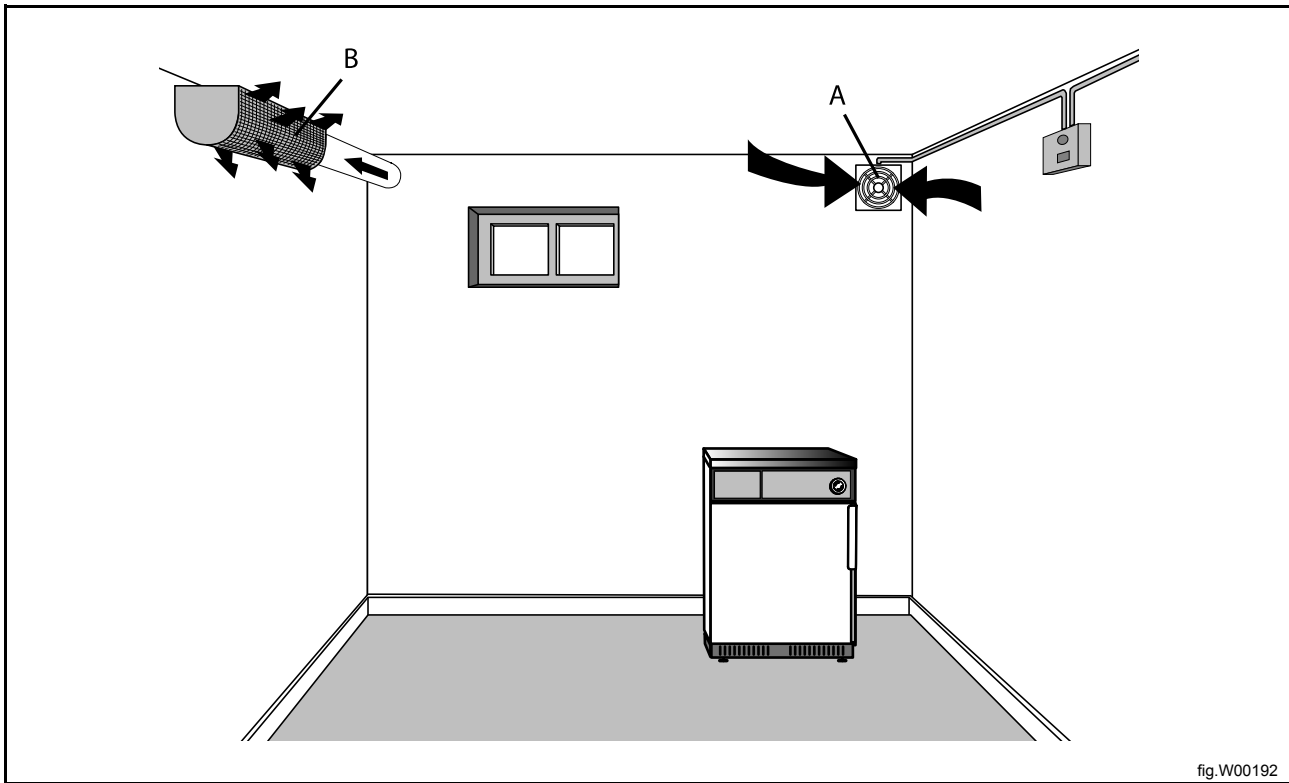
fig.W00203A

Evacuation system

During machine operation the temperature in the room increases. This results in need for ventilation. A ventilation kit can be ordered; 988 80 20 43.

The thermostatically controlled fan (A) is mounted on the wall behind the machine. The thermostat is mounted further into the room.

The fresh air intake (B) must end in the room in front of the machine positioned diagonally from the fan.



The need for fresh air varies and is controlled by the thermostat.

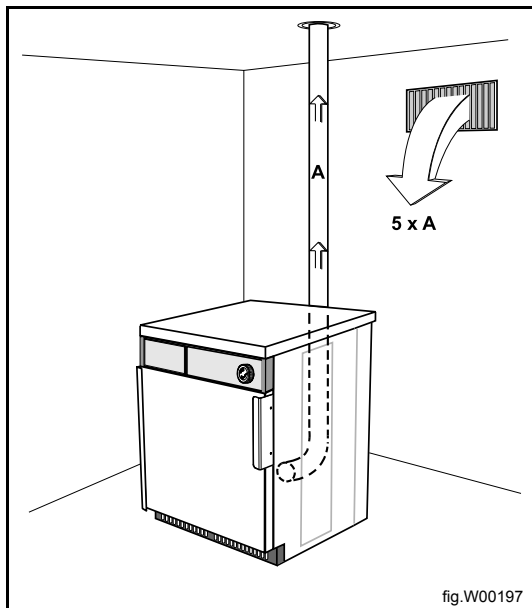
6.2 Fresh air

For maximum efficiency and the shortest possible drying time, it is important to ensure that fresh air is able to enter the room from the outside in the same volume as that blown out of the room

To avoid draught in the room it is important to place the air inlet behind the machine.

The area of the air inlet opening must be five times the size of the exhaust pipe area. The area of the inlet opening is the area through which the air can flow without resistance from the grating/slatted cover.

The resistance in the grating/slats on the air inlet cover panel should not exceed 10 Pa (0.1 mbar).

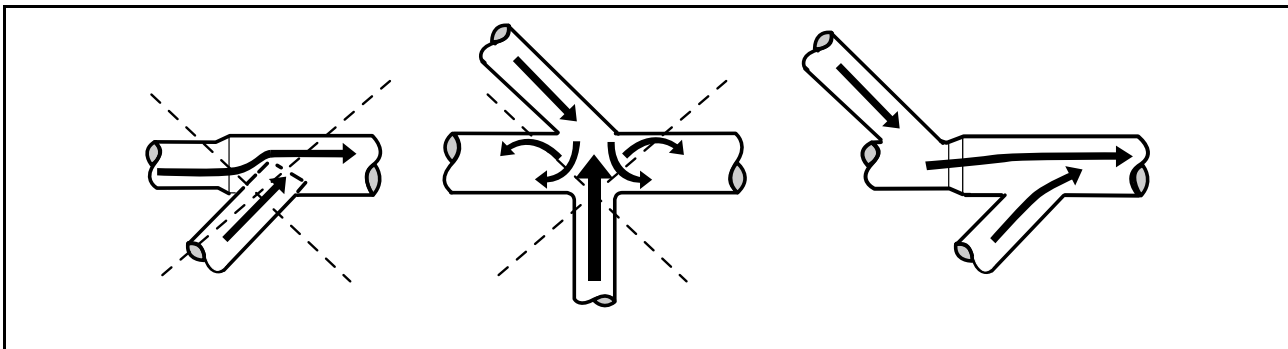


Note!


Gratings/slatted covers often block half of the total fresh air vent area. Remember to take this into account.

6.3 Exhaust duct


- Only rigid or flexible metal duct should be used for exhausting.
- Plastic ducting is not to be used.
- Recommended material for exhaust is galvanised steel.
- The duct is not to be assembled with screws or other fastening means that extend into the duct and catch lint.
- The exhaust air should not be vented into a wall, a ceiling, or a concealed space of building.
- The exhaust duct must lead clear of the building as condensation may cause frost damage to the building.
- The exhaust duct must lead to the outdoors.
- The exhaust duct must be placed in such a way that it is protected on the outside.
- The exhaust duct must be smooth on the inside (low air resistance).
- The exhaust duct must have gentle bends.
- The exhaust duct must not be a shared duct between machines and appliances using gas or other fuels as their energy source.



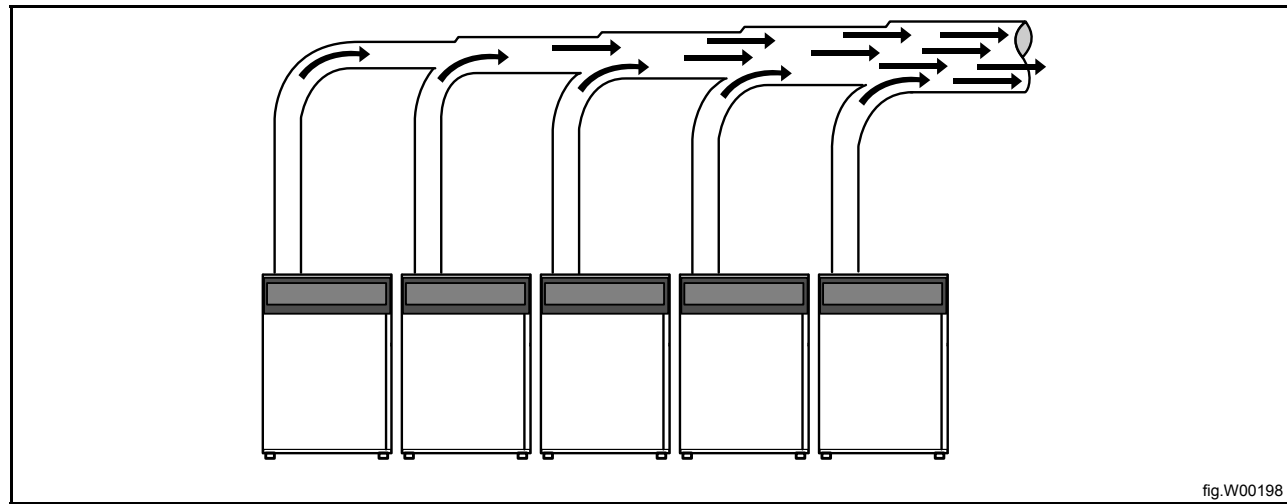
6.4 Shared exhaust duct



It is recommended that each machine is connected to a separate exhaust duct.



When several machines shall use the same exhaust duct the exhaust duct must increase after each machine.



Number of machines	1	2	3	4
Exhaust m³/h	260	520	780	1040
ø mm	100	100	100	100
Fresh air inlet cm²	400	800	1200	1600
Exhaust duct length 0–6 m ø mm	100	160	200	250
Exhaust duct length 6–50 m ø mm	160	200	250	350
If the exhaust duct length exceeds 6 m the diameter must be increased.				



The exhaust duct diameter must not be reduced.



6.5 Exhaust dimensioning

It is important that the machine has correct air volume compared to each machines power.

If the air flow is smaller or larger this will result in a longer drying period.

If the outlet pipe is long or the ventilation is not properly designed we recommend to clean the outlet pipes periodically.

The exhaust pipes shall be short in order for the machine to work in the best way.

All cover panels must be mounted in order for the machine to work in the best way.

7 Electrical connection

7.1 Electrical installation



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



Machines with frequency-controlled motors can be incompatible with certain types of earth leakage circuit breaker. It is important to know that the machines are designed to provide a high level of personal safety, which is why items of external equipment such as earth leakage circuit breakers are not necessary. If you still want to connect your machine across an earth leakage circuit breaker, please remember the following:

- contact a skilled, authorised installation company to ensure that the appropriate type of breaker is chosen and that the dimensioning is correct
- for maximum reliability, connect only one machine per earth leakage circuit breaker
- it is important that the earth wire is properly connected, including to the earth leakage circuit breaker.



In instances where the machine is not equipped with an omni-polar switch, one must be installed beforehand.

Mount a multi-pole switch prior to the machine to facilitate installation and service operations.

The connecting cable should hang in a gentle curve.

Fuse size, see table.

7.2 Single-phase connection

Demount the cover panel from the supply unit. Connect the earth and other wires as shown.

Table 1T5130

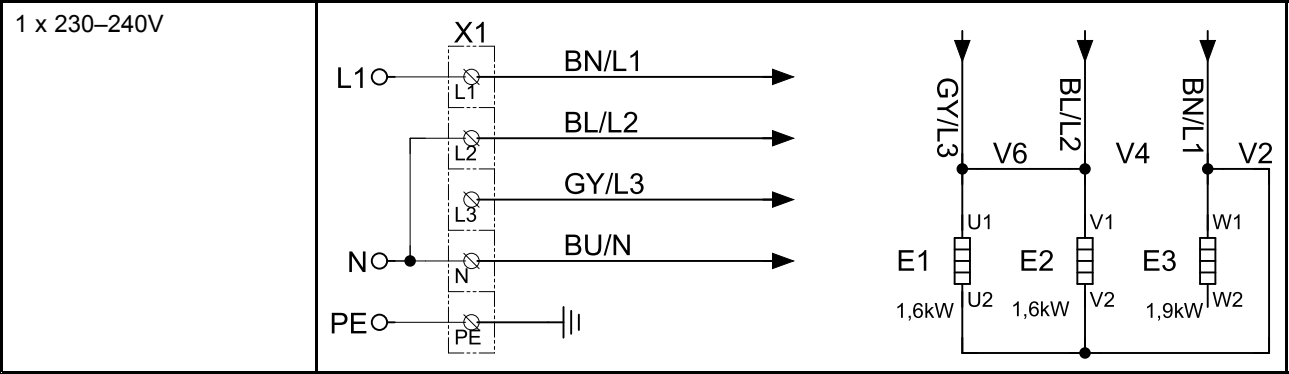
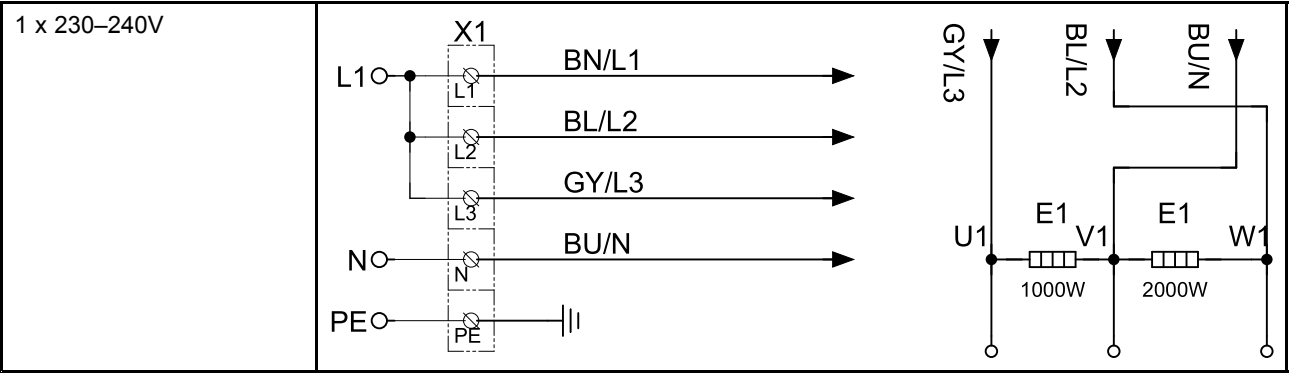


Table 2T5130C



When the installation is completed remount the cover panel and check:

- That the drum is empty.
- That the machine operates by connecting the power to the machine and start a program with heat.

7.3 Three-phase connection

Demount the cover panel from the supply unit. Connect the earth and other wires as shown.

Table 1T5130

3 x 400/415V+N	
3 x 400/440V	
3 x 400/415V+N	
3 x 230/240V	

Table 1T5130C

3 x 400/415V+N	
3 x 200–240V	
3 x 400/440V	

When the installation is completed remount the cover panel and check:

- That the drum is empty.
- That the machine operates by connecting the power to the machine and start a program with heat.

7.4 Electrical connections

Table 1T5130

Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse A
Electric heated	220–230V 1 ~	50/60	1.8	2.1	10
	240V 1 ~	50/60	1.9	2.2	10
	220–230V 1 ~	50/60	3.1	3.3	16
	240V 1 ~	50/60	3.2	3.5	16
	220–230V 3 ~	50/60	3.1	3.3	16
	240V 3 ~	50/60	3.2	3.5	16
	220–230V 3 ~	50/60	4.9	5.1	16
	240V 3 ~	50/60	5.1	5.4	16
	380–400V 3 ~	50/60	4.9	5.1	10
	415V 3 ~	50/60	5.1	5.3	10
	440V 3 ~	60	5.1	5.4	10
	480V 3 ~	60	5.1	5.3	10

Table 2T5130C

Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse A
Electric heating	380–400V 3 ~	50/60	1.9	2.2	10
	440V 3 ~	60	2.0	2.4	10
	440V 3 ~	60	3.0	3.4	10

7.5 Functions for I/O-cards

The electrical schematic can be one of the following:

7.5.1 Central payment (2J)

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.

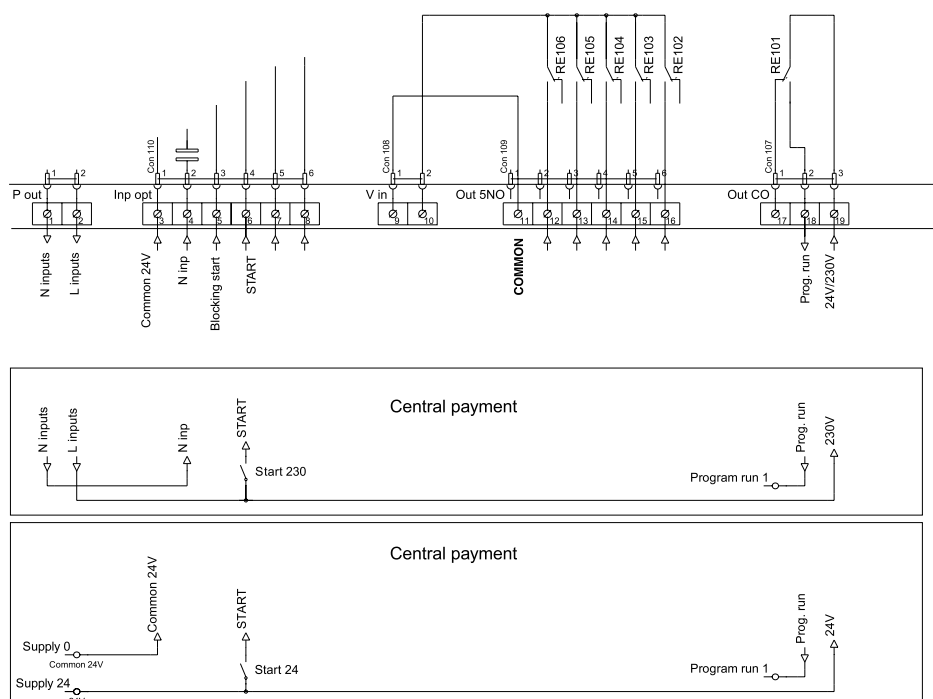


fig.7440

7.5.2 Central payment (2J)

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) during drying. The signal 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 remains active (high) during the entire program.

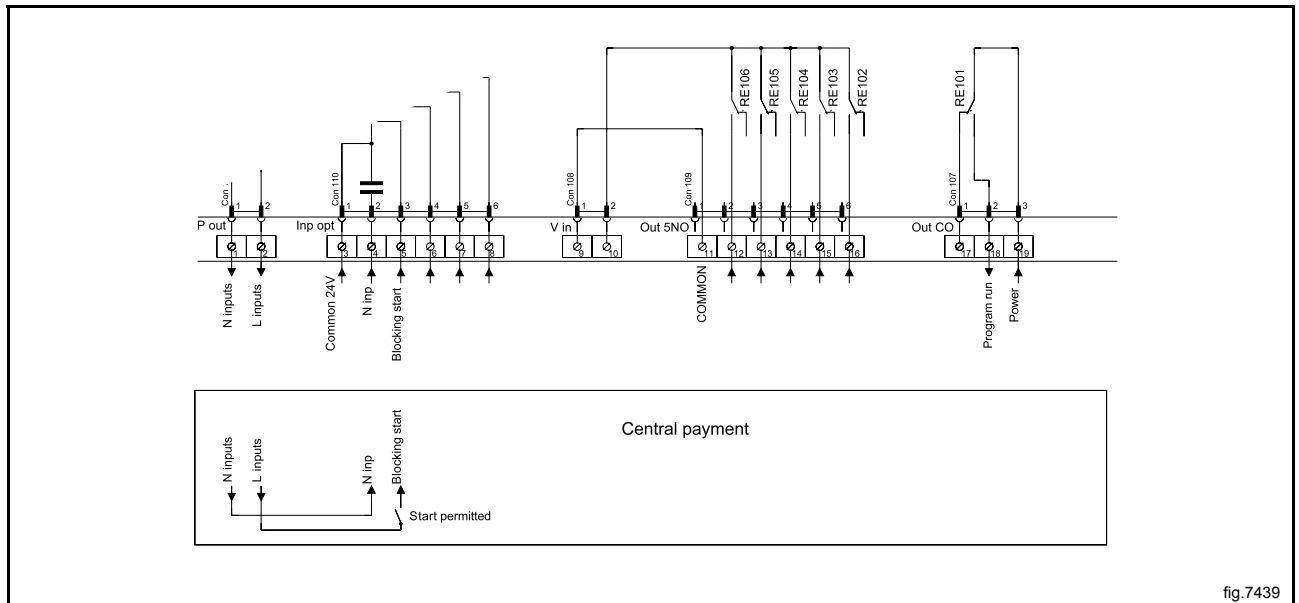
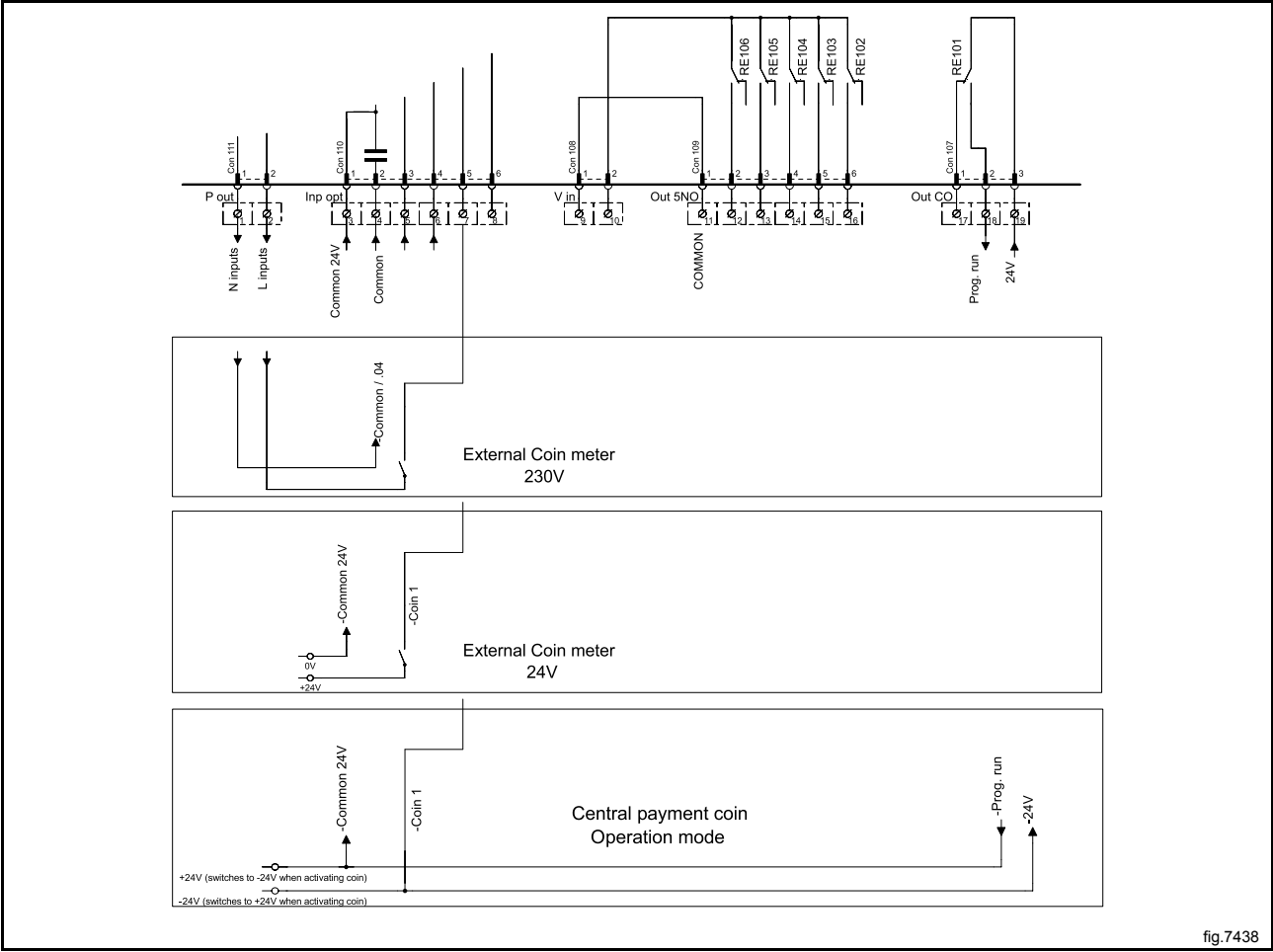


fig.7439

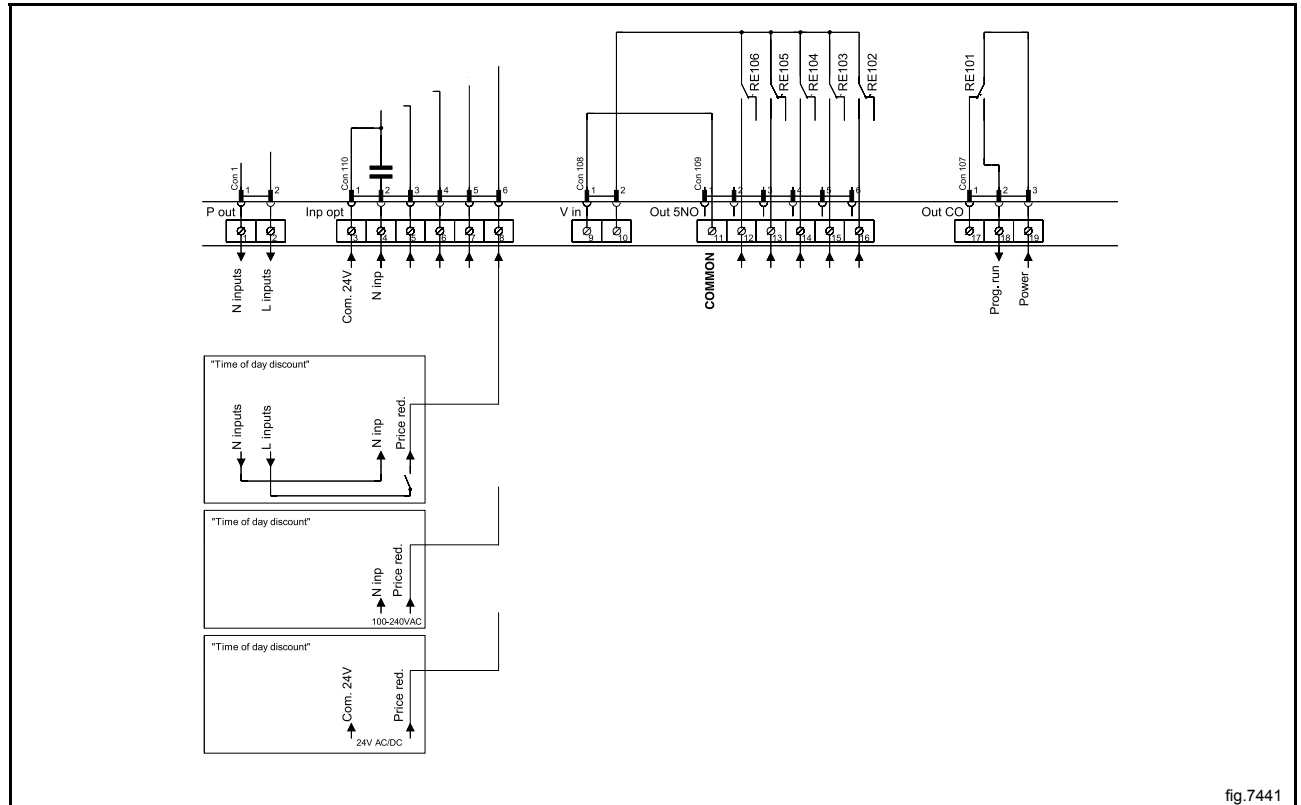
7.5.3 External coin meter/Central payment (2K)

The signal received from external coin meters must be a pulse.



7.5.4 Price reduction (2K)

By maintaining an activated (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.



7.6 Option

7.6.1 External connection 100 mA

A special connection terminal is located on the connection console.

This connection can be used as external control of a fan.

The terminal for external control is equipped with 220–240V max.100 mA and is intended solely for the operation of a contactor

Max. connection 100 mA.

Gnd. must not be used for earthing of external board.

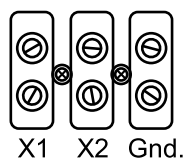


fig.7154

8 Function check



May only be carried out by qualified personnel.



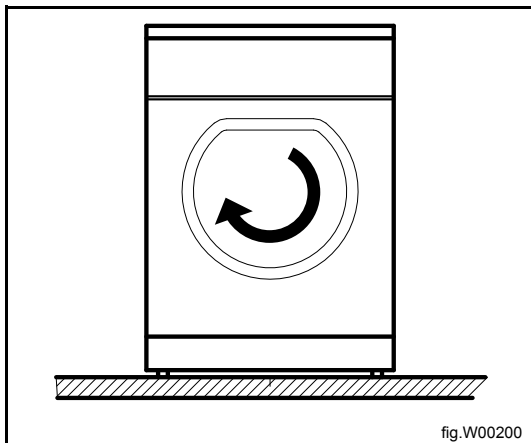
A function check must be made when the installation is finished and before the machine can be ready to be used.

Check the automatic stop of the machine

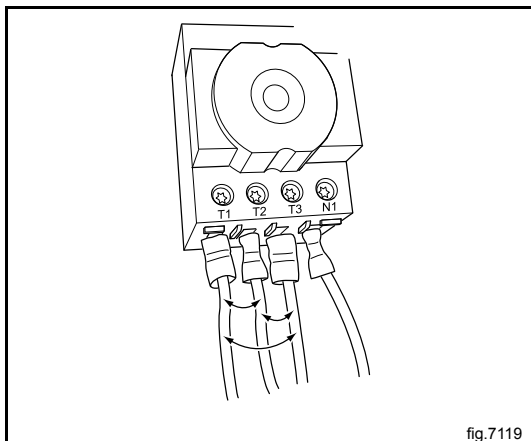
- Start the machine.
- Check if the micro switches are working properly:
The machine must stop if the door is opened.

Check the direction of rotation (only on machines with 3-phase power supply, marine installation)

Demount the top panel and start a program. Check that the drum rotation is clockwise.



If the direction is wrong, swop two of the three phases to the left on the connection terminal.



Check the heat

- Let the machine work for five minutes on a program with heat.
- Check that the heating is working by opening the door and feel if there is heat in the drum.

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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