

User Manual

Tumble dryer

DE-635S
Compass Pro
Type N3...



Electrolux
PROFESSIONAL

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WARNING:

FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death or property damage.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Clear the room, building or area of all occupants.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

The above information; "What to do if you smell gas", shall be posted in a prominent location. The information to be posted shall be obtained by consulting with the local gas supplier.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

The above information; "For your safety", shall be posted in a prominent location.

MAKE CERTAIN TO KEEP THIS MANUAL IN A SECURE PLACE FOR FUTURE REFERENCE.



WARNING:

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

WARNING: The dryer is intended for use only with fabrics that have been washed with water.

WARNING: To avoid fire hazard, do not dry articles containing foam rubber or similarly textured rubberlike materials.

WARNING: ALL OPERATING AND MAINTENANCE PROCEDURES SHOWN ON THE NEXT PAGE OF THIS MANUAL MUST BE FOLLOWED DAILY FOR PROPER OPERATION OF YOUR MACHINE.

Keep the dryer area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

The dryer must not be installed or stored in an area where it will be exposed to water and/or weather.

PLEASE ENTER THE FOLLOWING INFORMATION AS IT APPEARS ON THE MACHINE(S) DATA PLATE(S).

MACHINE TYPE OR MODEL	
MACHINE SERIAL NUMBER(S)	
ELECTRICAL CHARACTERISTICS: _____ VOLTS, _____ PHASE, _____ HZ.	

Warning: For your safety the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personnel injury or death.

NOTICE TO: OWNERS, OPERATORS AND DEALERS

IMPROPER INSTALLATION AND INADEQUATE MAINTENANCE, POOR HOUSEKEEPING AND WILLFUL NEGLECT OR BYPASSING OF SAFETY DEVICES MAY RESULT IN SERIOUS ACCIDENTS OR INJURY. TO ASSURE THE SAFETY OF CUSTOMERS AND/OR OPERATORS OF YOUR MACHINE, THE FOLLOWING MAINTENANCE CHECKS MUST BE PERFORMED ON A DAILY BASIS.

1. **Prior to operation of the machine**, check to make certain that all operating instructions and warning signs are affixed to the machine and legible. Missing or illegible ones must be replaced immediately. Be sure you have spare signs and labels available at all times. These can be obtained from your dealer.
2. **Check the door safety interlock, as follows:**
 - a. OPEN THE DOOR of the machine and attempt to start in the normal manner:
For coin-operated models, insert the proper coins to start the machine.
For manually operated models, place the ON-OFF switch in the ON position and press the Start switch.

THE MACHINE(S) MUST NOT START !

3. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO BYPASS OR REWIRE ANY OF THE MACHINE SAFETY DEVICES AS THIS CAN RESULT IN SERIOUS ACCIDENTS.
4. **Be sure to keep the machine(s) in proper working order:** Follow **all** maintenance and safety procedures. Further information regarding machine safety, service and parts can be obtained from your dealer.
All requests for assistance must include the model, serial number and electrical characteristics as they appear on the machine identification plate. Insert this information in the space provided on the previous page of this manual.
5. **WARNING:** DO NOT OPERATE MACHINE(S) WITH SAFETY DEVICES BYPASSED, REWIRED OR INOPERATIVE! DO NOT OPEN MACHINE DOOR UNTIL DRUM HAS STOPPED ROTATING!

NOTICE TO INSTALLER

Improper installation of this machine:

- May cause serious damage to the machine.
- May result in other property damage.
- May cause personal injury.
- Will void the manufacturer's warranty.

Connection to line Voltage or over-current protection devices other than those specified on the data plate may result in severe damage to machine components, and will void the manufacturer's warranty.

Refer to complete installation instructions provided in manuals accompanying the machine.

Contact Electrolux Professional Technical Support with any questions BEFORE installing this machine. Damage resulting from inadequate installation materials or improper installation techniques will void the manufacturer's warranty.

Electrical Information

It is your responsibility to have **ALL** electrical connections (including grounding) made by a properly licensed and competent electrician to assure that the electrical installation is adequate and conforms with local and state regulations or codes.

In the absence of such codes, ALL electrical connections, material, and workmanship must **conform** to the applicable requirements of the NATIONAL ELECTRIC CODE ANSI/NFPA NO. 70 or the CANADIAN ELECTRICAL CODE, CSA C22.1 - both the latest edition.

The dryer, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1. - both the latest edition.

IMPORTANT: Failure to comply with these codes or ordinances and/or the requirements stipulated in this manual can result in personal injury or component failure.

NOTE: Component failure due to improper installation will **VOID THE WARRANTY**.

IMPORTANT: A separate circuit serving each dryer must be provided. The dryer must be connected to copper wire only. **DO NOT** use aluminum wire which could cause a fire hazard.

NOTE: The use of aluminum wire will **VOID THE WARRANTY**

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper operation or component failure.

Electrical Service

Steam and gas dryers **ONLY**

IMPORTANT: The dryer must be connected to the electrical supply shown on the data label affixed to the dryer. In the case of 208 VAC or 240 VAC, the supply voltage **must match** the electric service specifications of the data label **exactly**. Wire **must be** properly sized to handle the rated current.

WARNING: 120 VAC, 208 VAC and 240 VAC ARE NOT THE SAME. Any damage done to dryer components due to improper voltage connections will **VOID THE WARRANTY**.



Electric dryers **ONLY**

IMPORTANT: ALL electrically heated dryers must be connected to the electric supply service shown on the dryers data label which is affixed to the back side of the control (service) door. The connecting wires must be properly sized to handle the rated current.

NOTE: Component failure due to improper voltage application will **VOID THE WARRANTY**.

Gas Information

It is your responsibility to have **ALL** plumbing connections made by a qualified professional to ensure that the installation is adequate and conforms with local and state regulations or codes. In the absence of such codes, **ALL** plumbing connections, material, and workmanship must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1; - both the latest edition.

On dryers not equipped with a gas union in the dryer manifold, the instructions shall specify that a listed connector in compliance with the **Standard for Connectors for Gas Appliances ANSI Z21.24 CSA 6.10**, be used to connect the dryer to the supply piping.

IMPORTANT: Failure to comply with these codes or ordinances, and/ or the requirements stipulated in this manual, can result in personal injury and improper operation of the dryer.

The dryer and its manually operated appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa). The dryer **must be** isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or greater than 1/2 psig (3.5 kPa).

IMPORTANT: Failure to isolate or disconnect the dryer from the gas supply as noted can cause irreparable damage to the gas valve and will **VOID THE WARRANTY**.

WARNING: **FIRES or EXPLOSION COULD RESULT.**



Gas Supply

NOTE: Undersized gas piping will result in ignition problems, slow drying, increased use of energy, and can create a safety hazard.

The dryer **must be** connected to the type of heat/ gas indicated on the dryer data label. If this information does not agree with the type of gas available, **do not** operate the dryer, contact your local dealer.

IMPORTANT: Any burner changes or conversions must be made by a qualified licensed professional.

The input ratings shown on the dryer data label are for elevations of up to 1,999 feet. The adjustment or conversion of the dryer(s) in the field for elevations over 2,000 feet are made by changing each burner orifice. If these conversions are necessary, contact your local dealer.

Natural Gas

If the pressure is too low, ignition failure and/or slow drying times may result. Excessively high supply pressure will result in erratic operation of the gas valves internal pressure regulator. Further information in section: Gas connection.

Propane Gas

Dryers made for use with propane gas have the gas valve pressure regulator blocked open, so that the gas pressure **must be** regulated upstream of the dryer. In accordance with American Gas Association (AGA) standards, a gas pressure regulator, when installed indoors, must be equipped with a vent limiter or a vent line must be installed from the gas pressure regulator vent to the outdoors. The water column pressure **must be** regulated at the source (propane tank), or an external regulator must be added to each dryer. Further information in section: Gas connection.

Piping/Connections

The dryer is provided with a 1/2" or a 3/4" N.P.T. inlet pipe connection extending out the rear area or through the top of the dryer. For ease of servicing, the gas supply line of each dryer should have its own shut-off valve.

The size of the gas supply line (header) will vary depending on the distance this supply line travels from the gas meter or, in the case of propane gas, the supply tank, the number of tees, other gas-operated appliances, etc. Specific information regarding supply line size should be determined by the gas supplier.

NOTE: Undersized gas supply piping can create a low or inconsistent gas pressure which will result in erratic operation of the burner ignition system.

Consistent gas pressure is essential at **ALL** gas connections. It is recommended that a 3/4- inch pipe gas loop be installed in the supply line serving the bank of dryers. An in-line pressure regulator **must be** installed in the gas supply line (header) if (natural) gas line pressure exceeds 12-inches water column pressure.

IMPORTANT: The information regarding the settings of the water column pressure for Natural gas dryers and Propane gas dryers is found in section: Gas connection. The pressure is required at the gas valve pressure tap of each dryer for proper and safe operation.

A 1/8" N.P.T. plugged tap, accessible for test gauge connection, **must be** installed in the main gas supply line immediately upstream of each dryer.

IMPORTANT: Pipe joint compounds that resist the action of natural gas and propane gas **MUST BE** used.

WARNING: Test **ALL** connections for leaks by brushing on a soapy water solution (liquid detergent also works well). **NEVER TEST FOR GAS LEAKS WITH AN OPEN FLAME.**

ALL components / materials **must conform** to NATIONAL FUEL GAS CODE specifications. It is important that gas pressure regulators meet applicable pressure requirements and that gas meters are rated for the total amount of appliance BTU's being supplied.

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

1 Safety Precautions

- Servicing shall be carried out only by authorized personnel.
- Only authorized spare parts, accessories and consumables shall be used.
- The machine is not to be used if industrial chemicals have been used for cleaning.
- Do not dry unwashed items in the machine.
- **WARNING:** Items that have been soiled with substances such as hair care products, cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes and wax removers shall be cleaned sufficiently to remove the contaminant before being tumble dried. When washing such soiled items ensure the use of detergent as specified by the detergent manufacturer and select the highest suitable temperature. If in doubt, wash the items several times.
- 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 in such a way that a full opening of the machine is restricted.
- 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.**
- 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.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- **WARNING:** The appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by a utility.

- If different rated voltages or different rated frequencies (separated by a /) are stated at the machine data plate, instructions for adjusting the appliance for operation at the required rated voltage or rated frequency are stated in the installation manual.
- The openings in the base, shall not be obstructed by a carpet.
- Maximum mass of dry cloth: 2 x 16.7 kg / 2 x 36.8 lbs.
- A-weighted emission sound pressure level at working stations: 70 dB(A).

1.1 Additional safety precautions for 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.
- NOTE: it is pointed out that the connection and commissioning of appliances complying with this standard are subject to observance of the installation regulations in force in the countries where these appliances are marketed.
- Connection to the appliance shall be made with a flexible hose suitable for the appliance category in accordance with national installation regulations of the country of destination and that in case of doubt the installer shall contact the supplier.
- The appliance should be installed on non-flammable materials for the floor, worktop and/or wall close to the appliance if required.
- 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

1.2 General safety information

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.

1.3 Commercial use only

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

1.4 Copyright

This manual is intended solely for consultation by the operator and can only be given to third parties with the permission of Electrolux Professional AB.

1.5 Symbols

	Caution
	Caution, hot surface
	Caution, high voltage
	Warning, risk of fire / flammable material
	Danger, crush hazard
	Read the instructions before using the machine

2 Warranty terms and exclusions

If the purchase of this product includes warranty coverage, warranty is provided in line with local regulations and subject to the product being installed and used for the purposes as designed, and as described within the appropriate equipment documentation.

Warranty will be applicable where the customer has used only genuine spare parts and has performed maintenance in accordance with Electrolux Professional AB user and maintenance documentation made available in paper or electronic format.

Electrolux Professional AB strongly recommends using Electrolux Professional AB approved cleaning, rinse and descaling agents to obtain optimal results and maintain product efficiency over time.

The Electrolux Professional AB warranty does not cover:

- service trips cost to deliver and pick up the product;
- installation;
- training on how to use/operate;
- replacement (and/or supply) of wear and tear parts unless resulting from defects in materials or workmanship reported within one (1) week from the failure;
- correction of external wiring;
- correction of unauthorized repairs as well as any damages, failures and inefficiencies caused by and/or resulting from;
 - insufficient and/or abnormal capacity of the electrical systems (current/voltage/frequency, including spikes and/or outages);
 - inadequate or interrupted water supply, steam, air, gas (including impurities and/or other that does not comply with the technical requirements for each appliance);
 - plumbing parts, components or consumable cleaning products that are not approved by the manufacturer;
 - customer's negligence, misuse, abuse and/or non-compliance with the use and care instructions detailed within the appropriate equipment documentation;
 - improper or poor: installation, repair, maintenance (including tampering, modifications and repairs carried out by third parties not authorized third parties) and modification of safety systems;
 - Use of non-original components (e.g.: consumables, wear and tear, or spare parts);
 - environment conditions provoking thermal (e.g. overheating/freezing) or chemical (e.g. corrosion/oxidation) stress;
 - foreign objects placed in- or connected to- the product;
 - accidents or force majeure;
 - transportation and handling, including scratches, dents, chips, and/or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery unless otherwise agreed;
- product with original serial numbers that have been removed, altered or cannot be readily determined;
- replacement of light bulbs, filters or any consumable parts;
- any accessories and software not approved or specified by Electrolux Professional AB.

Warranty does not include scheduled maintenance activities (including the parts required for it) or the supply of cleaning agents unless specifically covered within any local agreement, subject to local terms and conditions.

Check on Electrolux Professional AB website the list of authorized customer care.

3 Operating panel

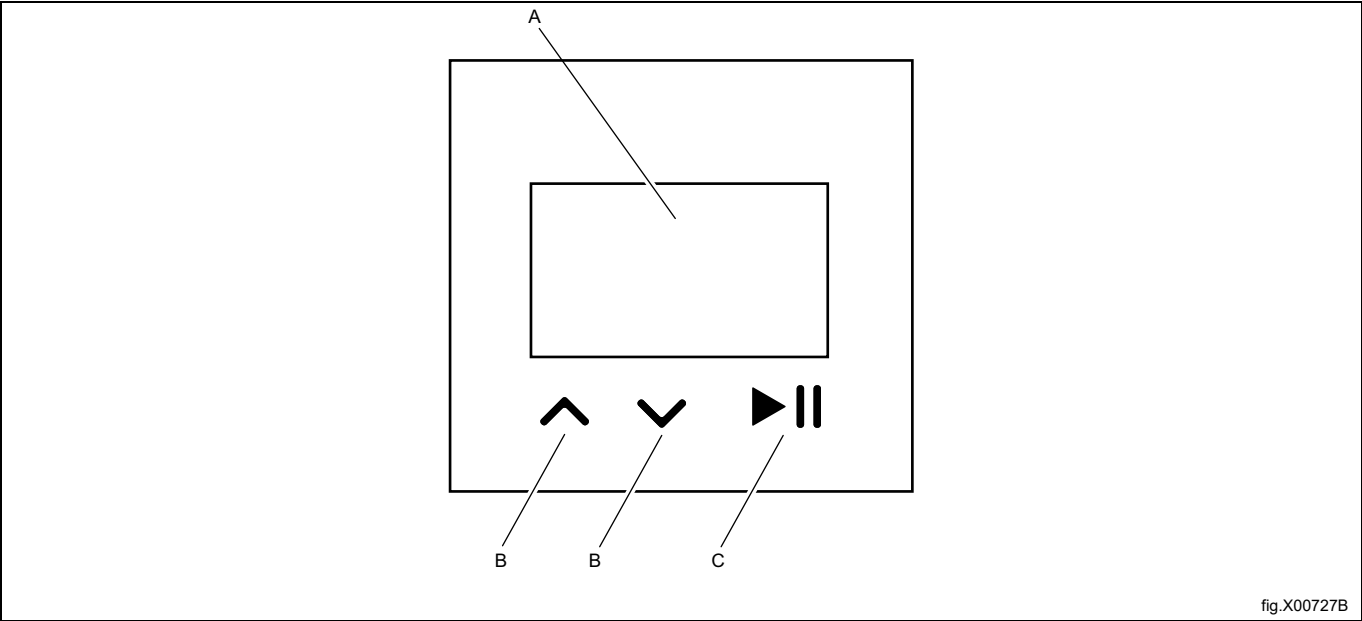


fig.X00727B

A	Display
B	Up- and down arrows that are used to scroll up and down through the menus on the display.
C	Start- and pause button

4 Program description

4.1 General

The machine is equipped with a number of programs adapted to the range of use to which the machine is intended — different markets use different programs. The following program description is a short description of some examples of programs that can be used.

For best possible drying result it is advisable to dry garments of the same quality for each drying cycle.

4.2 Program description

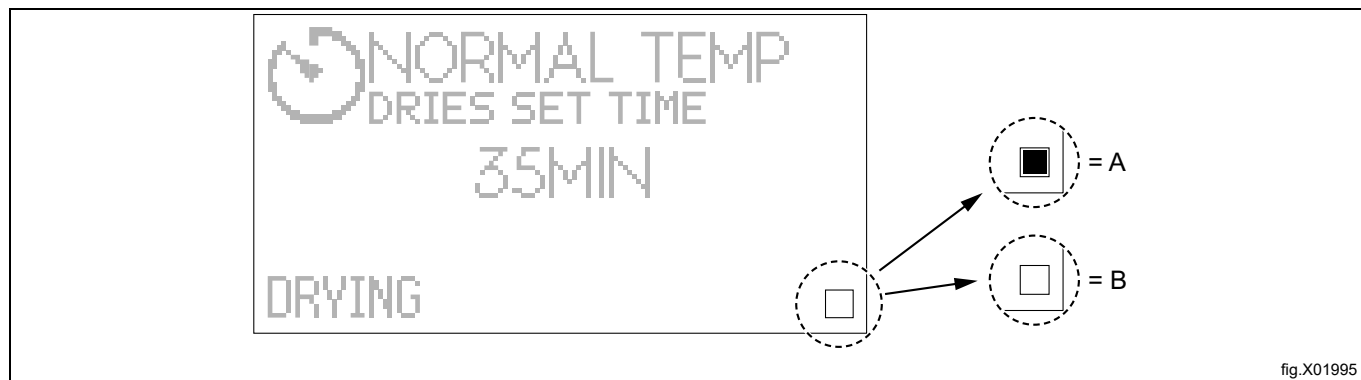
There are two types of programs, automatic programs and time programs.

- Automatic programs has moisture detection and will stop when selected dryness is achieved.
- Time programs has no moisture detection and will stop when the preset or selected time has ended.

During a drying cycle, when the square in the lower right corner is fully ticked, it indicates that the heating unit is active / ON. The heating unit can be gas, electric, steam or heat pump type.

If the square box is not ticked, it doesn't mean the heating unit is abnormal. This box is just monitoring the status of the heating unit and shows if it is Active / ON or Inactive / OFF.

- A = Active / ON
- B = Inactive / OFF



Automatic programs		Program description
High Temp 	Extra Dry	Denim and terry The program will stop when set dryness is achieved
Medium Temp 	Extra Dry	Denim and terry The program will stop when set dryness is achieved
Low Temp 	Extra Dry	Viscose and polycotton The program will stop when set dryness is achieved
High Temp 	Dry	Cotton and terry The program will stop when set dryness is achieved
Medium Temp 	Dry	Cotton and terry The program will stop when set dryness is achieved
Low Temp 	Dry	Synthetic (example of synthetic fabrics: polyester, polyamide, polyacrylic and elastan), viscose, polycotton and delicate fabrics. The program will stop when set dryness is achieved
High Temp 	Iron Dry	Cotton The program will stop when set dryness is achieved
Medium Temp 	Iron Dry	Cotton The program will stop when set dryness is achieved
Low Temp 	Iron Dry	Synthetic (example of synthetic fabrics: polyester, polyamide, polyacrylic and elastan), viscose, polycotton and delicate fabrics. The program will stop when set dryness is achieved
Low Temp 	Down	The drying time has to be adjusted according to garment type to achieve the desired dryness This program is suitable when drying for example duvet jacket, duvet quilt, duvet pillow.
Low Temp 	Sensitive	This program is suitable when drying for example man made fiber textiles like polyester, polyamide, natural fiber textiles (silk textiles).
Wool 		The program will stop before the garments are totally dry — which protects the garments. This very gentle program is suitable when drying for example woolen garments of more or less all types. For example blankets, jackets etc
Low Temp 	Mops	The program will stop when the mops are dry. This program is suitable when drying for example synthetic microfibre mops.
Low Temp 	Cloths	The program will stop when the cloths are dry. This program is suitable when drying for example synthetic microfibre cloths.
High Temp 	Large Textiles	The program will stop automatically when the fabric is dry. This program is suitable when drying large fabrics such as bed sheets, table cloths, curtains etc. The program is built to prevent the fabric from tangling together.
Medium Temp 	Large Textiles	The program will stop automatically when the fabric is dry. This program is suitable when drying large fabrics such as bed sheets, table cloths, curtains etc. The program is built to prevent the fabric from tangling together.

Automatic programs		Program description
Low Temp 	Large Textiles	The program will stop automatically when the fabric is dry. This program is suitable when drying large fabrics such as bed sheets, table cloths, curtains etc. The program is built to prevent the fabric from tangling together.

The following table shows some examples of available time programs and a short description of those. Time programs are for example used on coin operated machines.

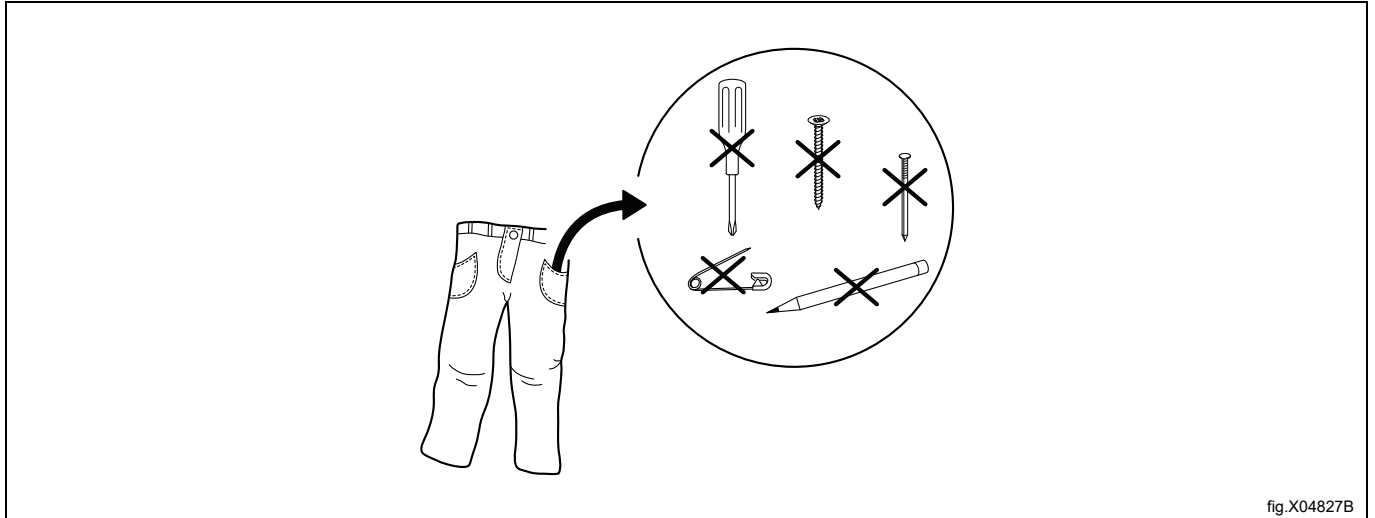
Time programs		Program description
High Temp 	Dries set time	Cotton and terry The program will stop when the time is up.
Medium Temp 	Dries set time	Cotton and terry The program will stop when the time is up.
Low Temp 	Dries set time	Synthetic (example of synthetic fabrics: polyester, polyamide, polyacrylic and elastan), viscose, polycotton and delicate fabrics. The program will stop when the time is up.
No Heat 	Dries set time	Airing bedspreads, duvets and bedclothes The program will stop when the time is up.

5 Handling

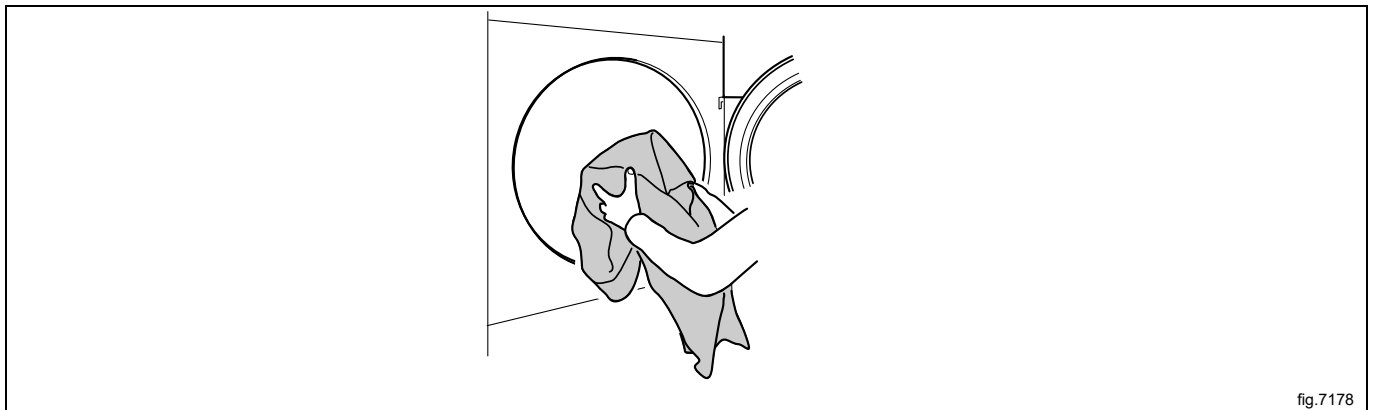
5.1 Load

Note!

Remove all objects from pockets and make sure there are no metal objects such as screws, pins etc. left. Metal objects might cause damage to the drum.



Load the goods into the machine according to recommendations and close the door.
Make sure the filter compartment is clean and clean if necessary.



The recommended maximum load is 2 x 13.6 kg / 2 x 30 lbs

5.2 How to start the machine

Automatic programs

Select program with the up- and down arrows.

Example of programs
High Temp 
Medium Temp 
Wool 

Start the machine by pressing  .

Time programs

Select program with the up- and down arrows.

Example of programs
Medium Temp 
Low Temp 
No Heat 

Start the machine by pressing  .

After start it is possible to change the time for the selected program:

- Increase or decrease the time with the up- and down arrows,
  increases the time and  decreases the time.
- Press  to start again.

Coin operated machines

Insert correct amount of coins to start the machine and/or press  .

After start it is possible to add time for the selected program. Insert more coins to add time.

5.3 Additional functions

There is a menu with additional functions available for selection after start. When pressing ►|| the menu will appear on the display.

Select from the menu with the up- and down arrows and press ►|| to activate.

Note!

Some of the functions may not be available or active on your machine.

Pause

It is possible to pause an ongoing program.

Select PAUSE and activate.

For some machines it is also possible to pause directly when pressing ►|| .

When pressing ►|| again the program will continue.

End a program

It is possible to end a program after start.

Select END PROGRAM and activate.

When pressing ►|| the program will be ended.

Status

Select STATUS MENU and activate.

The status menu shows the status for inlet air temp, outlet air temp, RMC and if the heat is on or off in the machine.

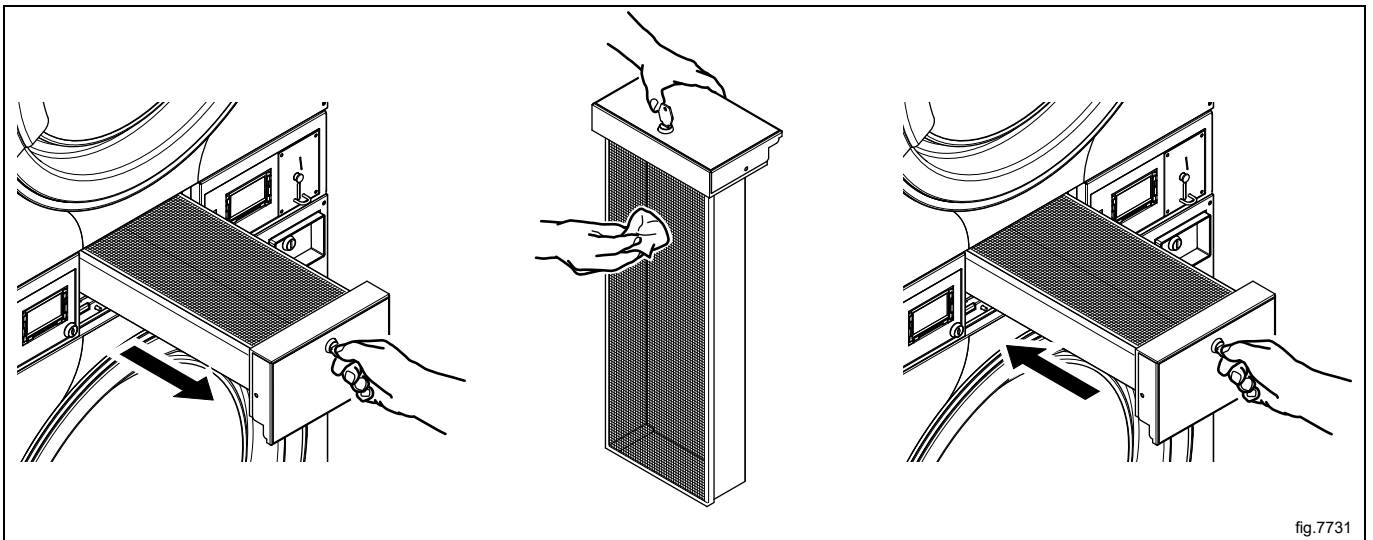
5.4 When program has ended

Note!

For the best possible drying result it is important to empty the machine as soon as the program has ended.

If the machine is not emptied as soon as the program has ended the drum will rotate in short intervals in order to keep the goods from being wrinkled.

Clean the filter after each drying cycle for best performance.



6 Error codes

A fault in the program or in the machine is indicated by an error code on the display.
Some of these error codes can be solved easily without contacting service personnel.

Error code	Text	Cause/Action
12:11	DRYING ERROR WITH RMC PROGRAM	The longest permitted RMC time has been exceeded. (Applies only to machines with RMC). The machine is overfilled or the garment is too wet.
12:12	DRYING ERROR WITH AUTOSTOP PROGRAM	The longest permitted automatic stop time has been exceeded. (Applies only to machines with automatic stop). The machine is overfilled or the garment is too wet.
12:14	GAS ERROR PRESS GAS RESET BUTTON	No flame has been detected. (Applies only to gas heated machines). Reset by pressing the control knob until the error code text disappears. On Coin operated machines: Reset by pressing the service button.
12:15	NO VACUUM	The machine is overfilled or the garment is too wet. Unload some of the garment and try to start again.
12:16	VACUUM SWITCH SHORTED	The vacuum/pressure switch does not close within the set time. Open and close the door and try to start again.
12:18	REDISTRIBUTION OF LOAD NEEDED	Machine indicates that load is blocking the airflow. Redistribute the load. Restart the machine to clear error message.
20:1	O . H . DRUM MOTOR	The motor is too hot. The machine will restart automatically when the temperature on the motor is OK (if the door has not been opened).
30:1	O . H . FAN MOTOR	The motor is too hot. The machine will restart automatically when the temperature on the motor is OK (if the door has not been opened).

For other error codes or repeated error codes, disconnect the power for 30 seconds. If the error code keeps coming back, contact authorized service personnel.

7 Maintenance

7.1 General

It is the responsibility of the owner of the machine/the laundry manager to make sure that maintenance is periodically performed.

Note!

Lack of maintenance may deteriorate the performance of the machine and may cause damage to components.

7.2 Time for maintenance

When the display is showing the message `TIME FOR MAINTENANCE` — contact the owner of the machine/the laundry manager to perform maintenance (if available, a telephone number and/or a tag will also be displayed).

The machine can be used meanwhile. However, the message will keep coming back until the service is performed.

The message will disappear after about 30 seconds or if ►|| is pressed.

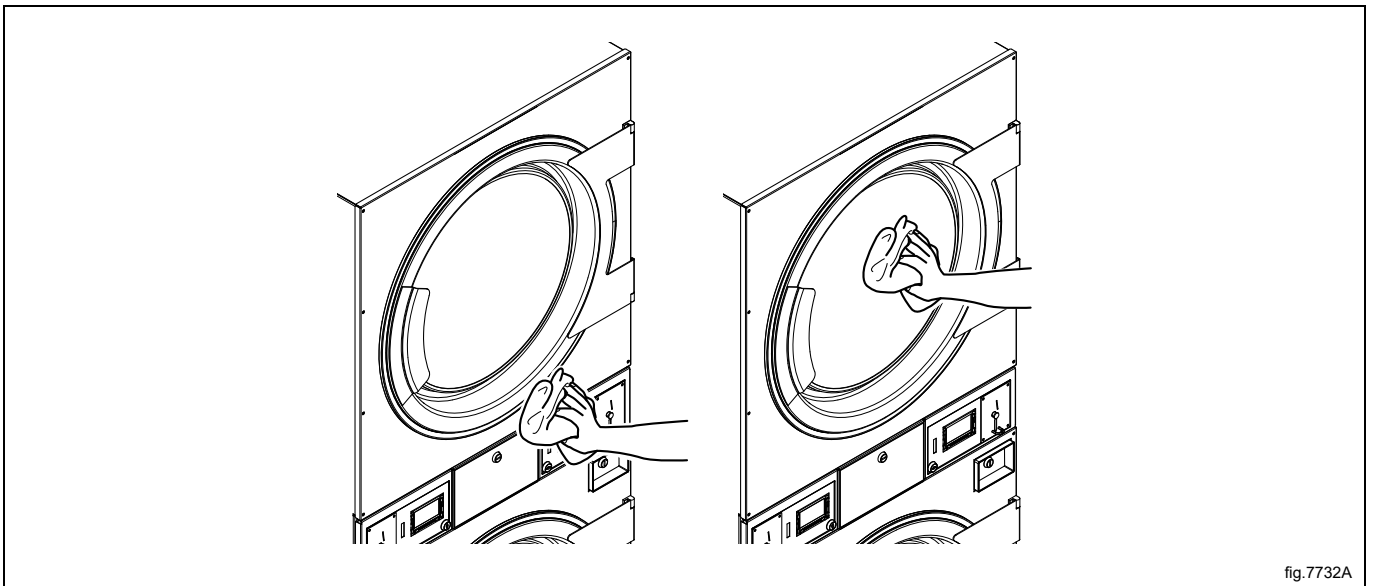
7.3 Every day

Check that the machine does not operate with the door or the lint drawer open, if so, the machine must be placed out of order until repairs are made.

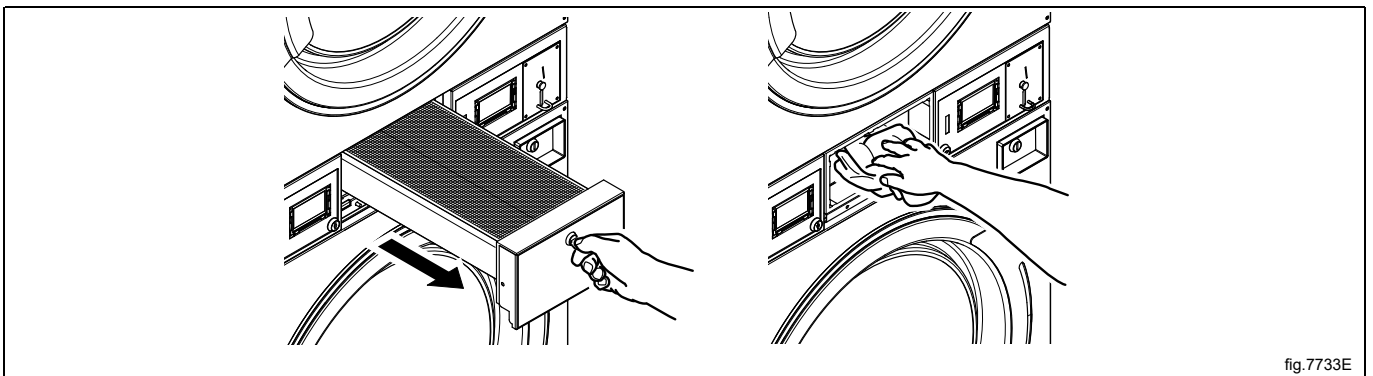
Note!

Contact qualified service personnel to disconnect power from the affected machine.

Clean the door, door glass, door gasket, lint drawer gasket and other external parts.



Check the lint drawer and the area behind the lint drawer. Clean if necessary.





Remove any lint and dust around the machine.



	Correct use For all surfaces	Use mild cleaning agents, follow daily cleaning schedules, wipe with soft cloths and rinse thoroughly.
	Incorrect use For painted surfaces	Do not use polishing agents, abrasive cleaners, bleach or acid descalers.
	Incorrect use For stainless steel surfaces	Do not use chlorine bleach, muriatic acid, steel wool, wire brushes or strong chlorides.

Read more details in the section “Cleaning recommendations”.

7.4 Fresh air intake

At regular basis, check that the fresh air intake on the back of the machine is not clogged by lint and dust or otherwise blocked.

Clean if necessary.

7.5 Machines with residual moisture control (RMC)

At regular basis, wipe off/clean drum and lifters with citric acid (Acidum citricum). If soap/softener residue remains, it is recommended also to use a coarse sponge.

Lack of cleaning can affect the functionality of the residual moisture control. This can result in more moist load than requested at program end.

7.6 Maintenance to be carried out by qualified service personnel

Contact qualified service personnel to perform the following maintenance:

After 1600 hours of operation or once a year, whichever comes first:

- Clean the fan, the exhaust duct and the fresh-air intake to the room
- On machines with RMC: Clean the glide surface on the RMC graphite collector
- Clean the area around the drum
- Clean the fan wheel
- Clean the motors
- Check the belt tension

For original spareparts please contact your local authorized dealer.

7.7 Cleaning recommendations

7.7.1 Safety precautions and best practices

7.7.1.1 Chemical safety

When using any cleaning agent:

- Read and follow all warnings on cleaning agent labels.
- Use safety glasses and rubber gloves as recommended by manufacturer.
- Ensure adequate ventilation.
- Never mix different cleaning chemicals.
- Keep cleaning agents away from ignition sources.

7.7.1.2 Specific chemical warnings

- DO NOT use cleaning agents containing sulfamic acid or any chloride, including hydrochloric acid.
- DO NOT use cleaning or deliming agents containing more than 30% phosphoric acid.
- DO NOT use any degreaser containing potassium hydroxide or sodium hydroxide or that is alkaline.

7.7.2 Primary recommendations

- Mild dish soap (Dawn, Palmolive) + warm water = SAFEST OPTION
- pH: 7-8 (neutral)
- No harsh chemicals
- Will not damage vinyl, ink, or adhesive
- Cost-effective and widely available

7.7.3 Secondary safe options

Product	Dilution	pH range	Usage notes	Decal Safety
pH-neutral floor cleaner	Per label (typically 1:128)	6-8	Non-acidic, gentle formulation	SAFE
Neutral pH cleaners	Per label	6-8	Professional-grade, vinyl-safe	SAFE
Mild automotive wash (car soap)	Per label	6-8	Designed for painted surfaces + vinyl wraps	SAFE
Baby shampoo + water	Few drops per gallon	~6	Ultra-gentle, no harsh additives	VERY SAFE

7.7.4 Complete prohibited products list for vinyl

Product category	Specific examples	Damage mechanism	Visible result
Solvents	Acetone, mineral spirits, paint thinners, MEK, xylene	Dissolves vinyl substrate and adhesive	Immediate softening, peeling, complete decal failure
Chlorine products	Clorox, bleach-based disinfectants, pool chlorine	Oxidizes ink pigments, degrades vinyl	Color stripping, yellowing, brittleness, cracking
Abrasive cleaners	Comet, Ajax, Bon Ami, Soft Scrub (with particles)	Physically scratches ink and laminate	Loss of gloss, visible scratches, ink removal
Abrasive tools	Steel wool, wire brushes, scouring pads, magic erasers	Mechanically removes ink layers	Peeled edges, removed graphics, surface damage
Strong acids	Muriatic acid, phosphoric acid cleaners, undiluted vinegar	Etches vinyl, discolors inks	Fading, discoloration, loss of adhesion
Strong alkalis	Caustic soda, oven cleaners (pH >13), industrial degreasers (undiluted)	Breaks down adhesive bonds, degrades vinyl	Edge lifting, peeling, yellowing
Alcohol-based cleaners	Isopropyl alcohol (>70%), denatured alcohol, hand sanitizers	Causes vinyl to dry out and crack over time	Brittleness, cracking, fading
Ammonia products	Window cleaners with ammonia, Windex (original formula)	Causes yellowing and embrittlement	Yellowing, loss of flexibility, cracking
High-alkaline degreasers	Undiluted simple green, Purple power (full strength), Industrial degreasers	Attacks adhesive layer, fades inks	Edge peeling, color fading, loss of bond
Petroleum distillates	WD-40, Goo gone, mineral oil (concentrated)	Softens adhesive, dissolves vinyl	Softening, lifting, complete removal
Corrosive salt cleaners	Road salt removers, de-icing agents	Extremely corrosive to vinyl and ink	Rapid degradation, color loss, peeling

Prohibited product on stainless steel	Why it's harmful	Result
Chlorine bleach	Causes pitting corrosion ⁶	Permanent holes and rust spots
Muriatic acid (hydrochloric acid)	Extremely corrosive	Destroys passive layer, rapid corrosion
Chloride-based cleaners	Attack chromium oxide layer	Pitting, discoloration, weakening
Ammonia cleaners	Can cause dulling and corrosion	Surface damage over time
Glass cleaners with ammonia	Contain harsh chemicals	Dulling, streaking, corrosion
Abrasive cleaners (Comet, Ajax, scouring powders)	Scratch protective surface	Permanent surface damage
Steel wool & wire brushes	Create permanent scratches	Ruined smooth finish, corrosion entry points
Scouring pads (rough texture)	Scratch surface	Surface damage, dull finish
Hard water (untreated)	Leaves deposits, causes pitting	Water spots, mineral buildup, rust
Onion/olive juice	Galvanic reaction	Corrosion and pinholes

Prohibited Product on Painted surfaces	Why It's Harmful	Result
Strong acids (pH <5)	Etch and damage paint finish	Discoloration, fading, peeling
Strong alkalis (pH >11)	Strip paint from surface	Paint removal, surface damage
Paint solvents (acetone, mineral spirits, thinners)	Dissolve paint layers	Paint softening, removal, damage
Abrasive cleaners	Scratch and dull paint	Surface scratches, dull finish
Abrasive pads (steel wool, rough scouring pads)	Remove paint finish	Scratches, paint removal
Undiluted concentrated cleaners	Too harsh for painted surfaces	Fading, discoloration, damage
Descalers (acidic cleaners)	Too acidic for paint	Paint etching, discoloration
Chlorine bleach	Can fade or discolor paint	Color change, weakening

7.7.5 Safe cleaning products for screen printed decals

7.7.5.1 Primary recommendations

- Mild dish soap (Dawn, Palmolive) + warm water = SAFEST OPTION
- pH: 7-8 (neutral)
- No harsh chemicals
- Will not damage vinyl, ink, or adhesive
- Cost-effective and widely available

7.7.5.2 Secondary safe options

Product	Dilution	pH range	Usage notes	Decal Safety
pH-neutral floor cleaner	Per label (typically 1:128)	6-8	Non-acidic, gentle formulation	SAFE
Neutral pH cleaners	Per label	6-8	Professional-grade, vinyl-safe	SAFE
Mild automotive wash (car soap)	Per label	6-8	Designed for painted surfaces + vinyl wraps	SAFE
Baby shampoo + water	Few drops per gallon	~6	Ultra-gentle, no harsh additives	VERY SAFE

For stubborn stains (use sparingly):

- Isopropyl alcohol (50% dilution or less) - Apply briefly, rinse immediately
- White vinegar (diluted 1:10 with water) - Test first, do not let sit on decal

8 Disposal information

8.1 Appliance recyclability and disposal

8.1.1 Recyclability

Our appliances are manufactured using a significant percentage of recyclable metals (such as stainless steel, iron, aluminium, galvanized sheet, copper, etc.), which can be recovered through the local recycling systems, in compliance with the regulations in force in the country of use.

National regulations regarding waste disposal may vary. Disposal of the appliance must therefore be carried out in accordance with the applicable legislation and the directives issued by the competent authorities in the country where the appliance is decommissioned.

The components of the appliance must be separated and disposed of in accordance with their material composition (e.g. metals, oils, greases, plastics, rubber, refrigerant gases, insulating boards and other insulating material, glass wool, LEDs, etc.) and in full compliance with applicable local and international waste management regulations.

Compressors may contain oils and refrigerants fluids - are special waste and has to be recycled on local bases regulations.

8.1.2 Procedure regarding appliance disposal and component / material recovery

This product should not simply be disposed of in the environment at the end of its life cycle; it is imperative instead either to dispose of it in accordance with local environmental regulations, or, preferably, to deliver it whole to an authorized recycling center.

All removed components, including doors and other structural parts, must be delivered together with the appliance to an authorized recycling or dismantling facility.

The dismantling/recycling center will apply state of the art technologies and methods available to them to effectively disassemble the products for best recyclability.

Note that printed circuit boards, electrical motors or other components identified in European Union legislation to be of high critical raw materials recovery potential need to be addressed specifically.

In case of doubts or questions, always refer to your reference customer care service.

Before disposing of the appliance, carefully inspect its physical condition and preservation state, checking for potential leaks of liquids or gases, as well as for broken parts that may pose hazards during handling and subsequent dismantling.



The symbol on the product indicates that this product should not be treated as domestic waste, but must be correctly disposed of in order to prevent any negative consequences for the environment and human health. For further information on the recycling of this product, contact the local dealer or agent, the customer care service or the local body responsible for waste disposal.

Note!

When dismantling the appliance, any marking, this manual and other documents concerning the appliance must be destroyed.

8.2 Disposal of packing

The packing must be disposed of in compliance with the current regulations in the country where the appliance is used. All the packing materials are environmentally friendly.

They can be safely kept, recycled or burned in an appropriate waste incineration plant. Recyclable plastic parts are marked as following examples.

	Polyethylene: • Outer wrapping • Instructions bag
	Polypropylene: • Straps
	Polystyrene foam: • Corner protectors



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