ORIGINAL

Operating instructions

Baler
B3 and B4

Manual no. 7995-041
Version 01-06-2017
USA- English edition

BAY AREA TRASH COMPACTOR

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CE

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CE

BRAMIDAN®

EC Declaration of Conformity R205-F

Hereby declares that:

Machine: **B3 and B4**

Model	B3	B4					
Type	PBC	PBD					

Model							
Type							

Was manufactured in conformity with:

- ANSI Z245.51-2008 Balling Equipment - Safety Requirements.
- The provisions of the EU Machinery Directive 2006/42/EC with later amendments, with special reference to Annex II, part A and Annex I of the Directive, on essential safety and health requirements in relation to the construction and manufacture of machines.
- The provisions of the EU EMC Directive 2004/108/EC as later amended.
- Following standards:
  EN 16500 Vertical bale presses, safety requirements
  EN 61000-6-2 EMC
  EN 61000-6-3 EMC
  EN 60204-1 Electrical equipment on machines.

Note:

Bramidan baler are designed to be set up as stand-alone machines, and must not be connected with other machinery without a new risk assessment and CE marking.

The CE declaration includes all add-on products from Bramidan

The baler must not be used for compressing wet or oily material, foam rubber, or other strong expansive materials. The baler must not be used for explosive or easily ignited waste.

I confirm the above information:

01.04.2017
Date

Ejnar Christensen
Technical manager
Ejnar C. Christensen

2 Conditions

It is important to read through the operating instructions before the work begins. Pay particular attention to the safety instructions, which are intended to protect the operator. The operating instructions are well illustrated, so you can quickly become familiar with the baler.

CAUTION

No special training is required. The company that uses the baler, (Hereafter called "the company"), shall ensure that the operator has read and understood the operating instructions and can operate the baler safely.

The quality of the baler is constantly controlled during production, and the machine will not be supplied to a consumer until a final inspection has been carried out. If, contrary to expectation, the product should be in any way faulty or missing any part, we request that you contact the dealer so that the problem can be resolved immediately.

The terms of the warranty will not apply to wear and tear on wear parts in the baler, or if the parts are deemed to have been subject to negligence or incorrect use.

The contents must not be photocopied, reproduced or translated, either wholly or in part, without the agreement of the manufacturer.

The manufacturer declines all responsibility with regard to compensation for injury as a result of a person disregarding the safety regulations in these instructions.

Explanation of symbols

DANGER

DANGER indicates an imminently hazardous situation, which if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.

WARNING

WARNING indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation, which if not avoieded, may result in minor to moderate injury. It may also be used to alert against unsafe practices.

“A HAND” indicates topics to which the reader must pay special attention.

3 Personal Safety

CAUTION

It is the company's responsibility to ensure that the relevant laws and regulations of the country are complied with for working with the baler. The company shall ensure that the operator has read and understood the operating instructions, see chapter 2, Conditions.

Only authorized employees (18 years or older) may operate, inspect, or maintain the baler. Only authorized employees (16-18 years) may load the baler, but not operate it.

It is the operator's responsibility to have read and understood the operating instructions so the baler can be safely operated. It is also the operator's responsibility to perform daily inspections of the baler. Thus, the operator must ensure that any defects are repaired, so that neither the operator or others are exposed to danger, see chapter 14, Maintenance, Daily check.

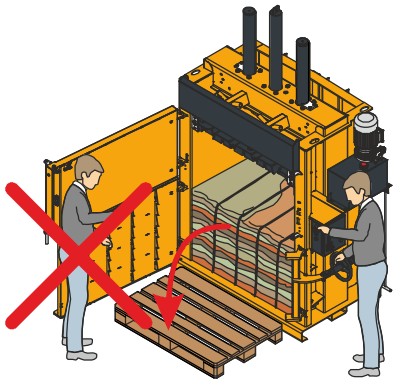
The baler can have a relatively high centre of gravity also when the platen is lowered, and therefore can tip during transport, see chapter 5, Transport.

Repair and servicing must only be performed by authorized personnel who possess the necessary knowledge and understanding of the subject, see chapter 6, Installation and chapter 14, Maintenance.

Installation and connection of the baler must occur in accordance with chapter 6, Installation, Connection.

WARNING

- The baler must only be operated by one person. Only the operator should be in the vicinity of the baler when ejection is being performed. See chapter 6, Installation, Clearances and working area.



CAUTION

- The main door must be open to at least 90° before bale-ejection

CAUTION

- The working area must be tidy and free of waste and similar.

DANGER

- The baler must not be used if the safety features are incapacitated, defective, or if it is no longer working in any way.
- Only use cords, straps, or steel wires that are recommended by the dealer of the baler, see chapter 7, Cords, straps, or steel wire.

CAUTION

- Binding with steel wire can pose a risk of tearing hands and clothes. Steel wire may be slightly difficult to handle, since it is not so easy to bend. Therefore, exercise extra caution and always be aware of both ends of the steel wire at the same time. We therefore recommend using eye protection and gloves.

CAUTION

- When handling the bale, it is recommended that you use gloves, as there may be sharp objects concealed in the waste.

WARNING

- **The baler must not be used for compressing wet or oily material, foam rubber, or other strongly expansive materials. An example of strong expanding materials could be plastic rolls or the equivalent, which would build up strong spring forces during compression. Another example could be bubble wrap or anything with air trapped inside.**

DANGER

- **The baler must not be used with explosive or easily ignited material, see chapter 11, Filling and compression.**

- Operation of the baler must always be carried out in accordance with the local regulations for use of technical equipment (machines), which can vary from country to country.

- It is recommended to use original spare parts.

WARNING

- Avoid coming in contact with hydraulic oil through inhalation or skin contact.
- The hydraulic oil can be hotter than 70° C, and can therefore cause scalding.
- A jet from a hydraulic hose may cause serious damage to skin and eyes.

DANGER

- Never climb on the baler.

4 Use and function

The baler is intended for compressing cardboard and plastic or other forms of dry waste with a similar consistency, see the table:

Waste type	B3 and B4	B-series	X series
Cardboard [1]	●	●	●
Plastic in soft materials, dry (LDPE)	●	●	●
Plastic bottles, dry (PET) [2]			●
Plastic, dry (HDPE, PP, PS)			●
Plastic, dry (PVC)			●
Paper [3]	●	●	●
Plastic cans			●

Note 1: Not bundled or solid lumps, not cardboard tubes or similar.
Note 2: Only perforated bottles or cans without lids.
Note 3: Only loose sheets, not bundled or solid lumps.

If you want to compress special waste materials, please contact your dealer or the manufacturer directly for advice beforehand to enquire whether the materials you wish to compress might overload your press.

Important!

WARNING

The baler must not be used for compressing wet or oily material, foam rubber, or other strongly expansive materials.

An example of strong expanding materials could be plastic rolls or the equivalent, which would build up strong spring forces during compression. Another example could be bubble wrap or anything with air trapped inside.

Never place long items upright. Place them horizontally, or at least diagonally, in the baler.

DANGER

The baler must not be used for explosive or easily ignited waste.

Bale size:

The bale size is set at the factory. The bale size can be permanently changed if necessary. Contact the dealer for more information.

It is possible to change the bale's size individually from time to time with a single press on the finish indicator button. See chapter 11, Filling and compression, Finishing the bale prematurely.

Worth knowing:

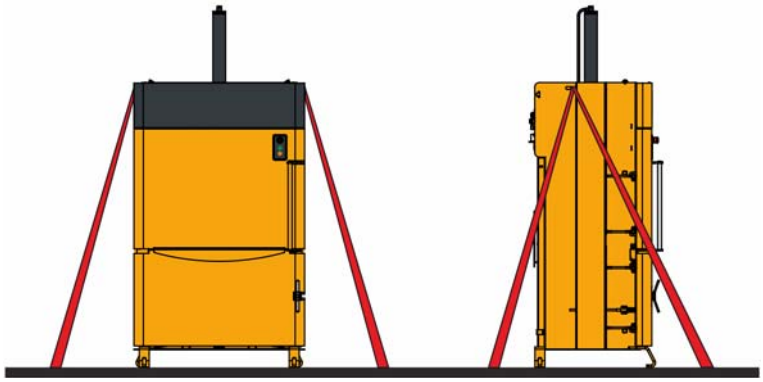
The combination of solid construction and thought through safety equipment means that the baler can always be operated safely:

- The baler's operating panel has an emergency stop, which immediately stops the baler when activated.
- The light in the operating panel's buttons guides the operator through the different phases of the compression, see chapter 9, The Operating Panel.
- In order to activate the start button between each press cycle, the filling door must be opened and closed. This is due to the door switch’s monitoring of the baler, and prevents intentional evasion of the safety system.
- The press functions are deactivated when you open the door, and can only be activated when the doors are closed again.
- For models with automatic doors, the closing movement stops immediately and the doors open up by returning to the starting position if something gets stuck.
- For models with ejection systems, the ejection is only operable via a two-handed operation, where there must be a simultaneous constant pressure within a time interval of ½ second. This ensures that the operator or others are not standing in front of the bale when it is tipped out of the chamber. In addition, the operator has a view of the baler's working area, and can thus ensure that others are not exposed to danger.
- The baler cannot eject the bale before the doors are open, which prevents accidental use of the baler.
- The baler's moving parts are secured with covers.

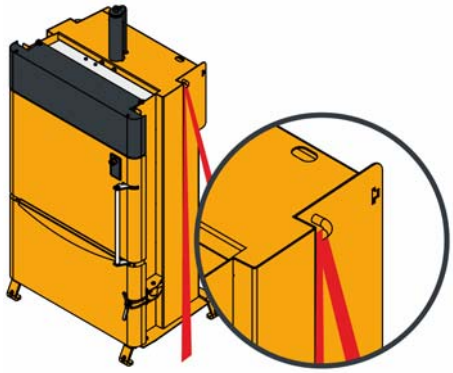
5 Transport

Lashing:

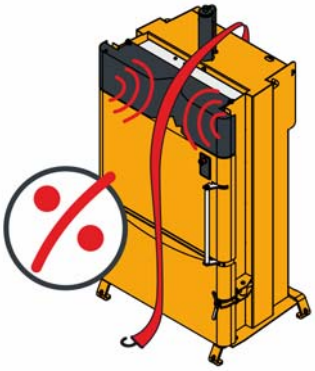
WARNING



The baler must be securely lashed during transport



Lashing must only take place in the lashing brackets or in the oval slots on the baler's top frame.

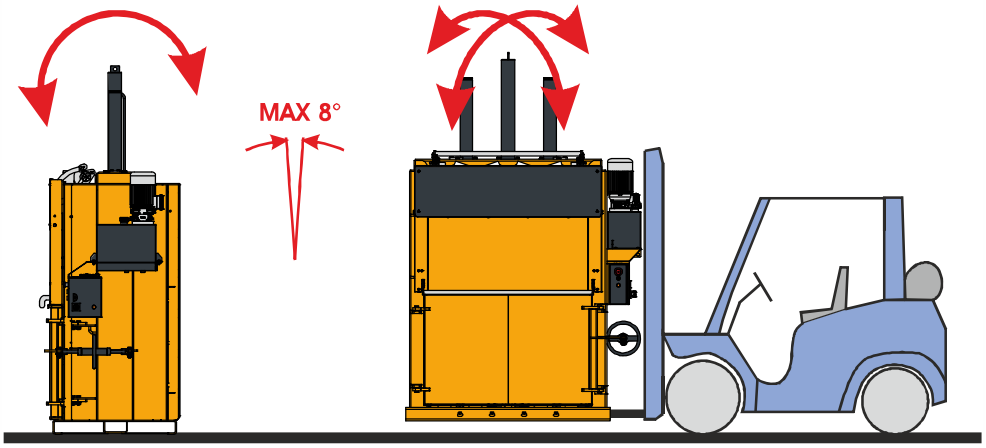


Never lash over "free standing" screens that can be deformed by the load. The screens are marked with a warning label on the packaging.

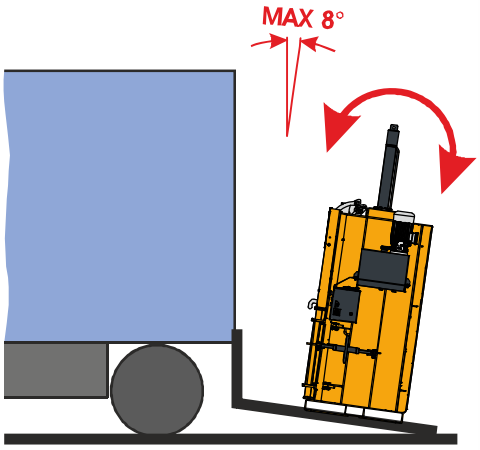
Center of gravity:

WARNING

Due to the baler's relatively high centre of gravity, cautious transportation is required. The baler must never lean more than 8° during transport.

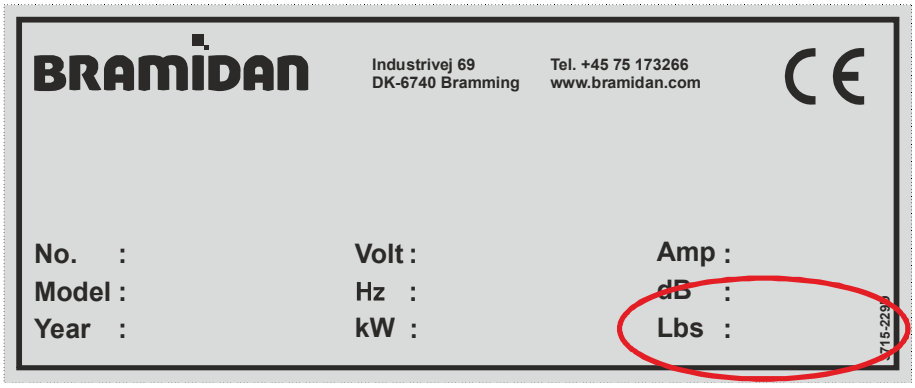


WARNING



Never lift the baler higher than strictly necessary, and be especially aware when transporting over sloping surfaces, such as loading ramps. The baler must never lean more than 8° during transport.

The lifting equipment must be designed for lifting the weight of the baler. The baler's weight appears on the nameplate on the baler.



CAUTION

Always use the safety equipment required by law in connection with transport. Never lift anything directly above people or animals.

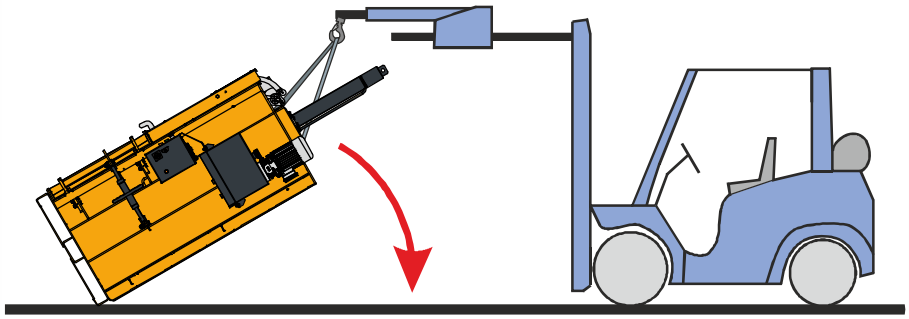
The baler should not be put down on its side:

If it is necessary to put the baler down on its side, do the following:
The oil tank's original plug must be replaced with an airtight plug, so the oil does not escape. Alternatively, the oil is drained from the system. The oil level in the tank is shown in the table chapter 14 Maintenance, Semi-annual inspection.

CAUTION

When the baler is in place, it is important to mount the original plug again before the baler is started. The airtight plug causes pressure to build up during operation, so that the oil tank cracks.

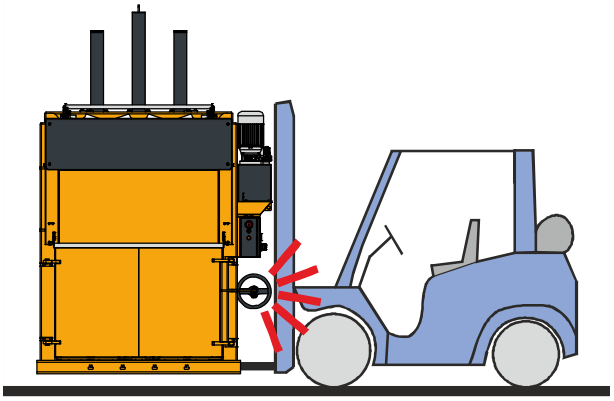
When the baler is laid on its side, attach the baler in the same way as when lifting it using a crane. A fork-lift truck with crane hook can assist with safe tilting.



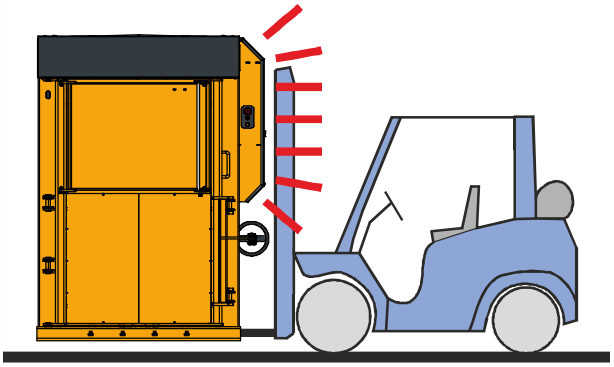
Transport using a fork-lift truck, etc.:

When using a fork-lift truck, be careful to avoid damaging spindles (hand wheels) and screens. Spindles (hand wheels) and screens are marked with a warning label on the packaging.

CAUTION



When driving, the fork-lift truck must never exceed 20 inches above the ground.
The baler's base is designed so that it can't tip off the fork of a fork-lift truck.

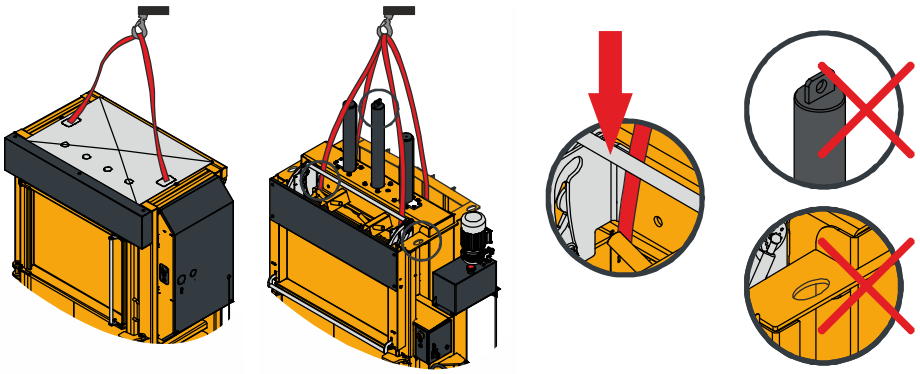


Transport using a crane:

WARNING

When using a crane, the lifting gear must be hooked through the two holes uppermost in the baler's top. Do not use the eye on the top of the steering rod or the oval holes on the baler's top frame for gripping!

In models where this is not available, place a round sling around the baler's top sidepieces. Take care that the round sling does not deform the brackets on the vertical door.



Moving an installed baler:

All parts must be removed, and the chamber must be empty of material and other loose items.

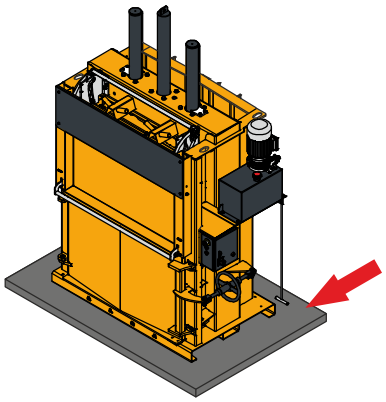
The platen must be brought all the way down to the bottom position, so the center of gravity is moved as far down as possible. This is done by pressing on the green start button for a minimum of 3 seconds.

6 Installation

The baler fulfils the applicable EU requirements on electromagnetic interference, and may be installed in both residential and industrial environments.

The baler's noise level is initially less than 70dBA. If the baler's noise level exceeds 70dBA, this will appear on the nameplate on the baler.

The noise level is measured based on an operator's position during the baler's operation, about 39 inches from the operation and at a height of 63 inches.

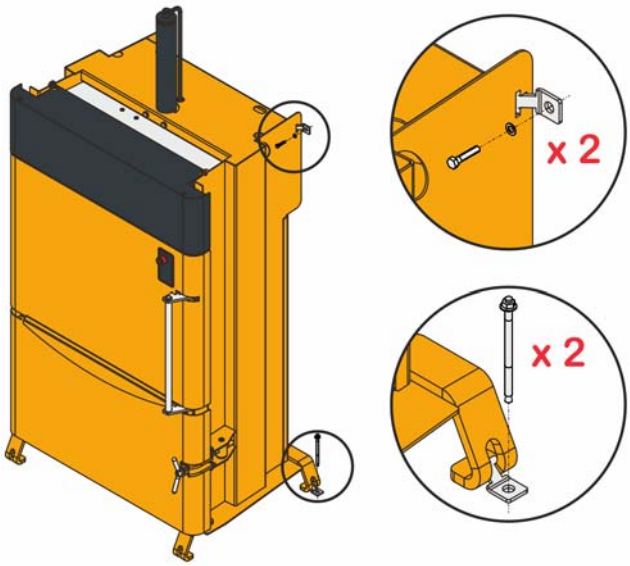


In order to reduce vibrations that may occur during operation, the baler can be placed on a thick, soft rubber mat.

The baler is designed for temperatures between 32-95 Fahrenheit and a humidity of between 10-90%.

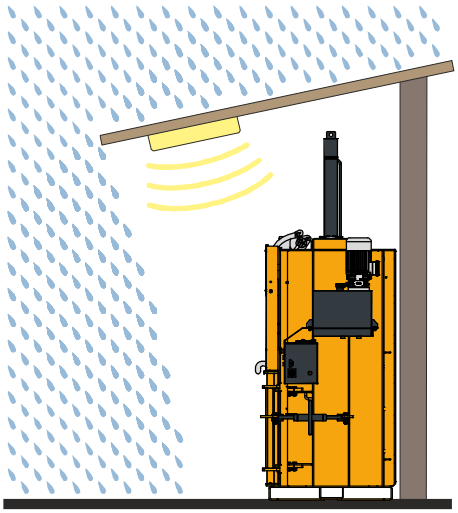
- When installing in colder environments, a special artic oil shoud be used (optional equipment).
- When installing in warmer environments, a cooling system should be mounted on the hydraulic system (optional equipment).

For B3: The baler must always be mounted to the floor or wall.
Use the mounting brackets supplied.



Indoor or outdoor location:

The baler is designed to be indoors in a dry room on a flat, stable floor.
If the baler is placed on, for example, wood flooring, horizontal divisions, etc., the baler's own weight, plus the weight of the compressed waste must be taken into account.



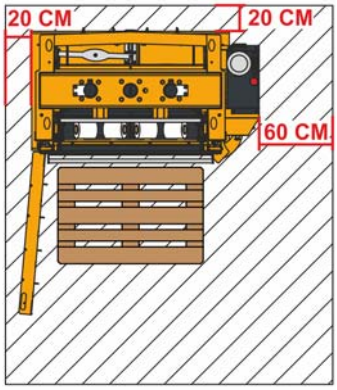
If the baler is placed outdoors, the baler must at least be placed under a canopy. The canopy should be able to protect the baler from all types of precipitation, such as driving rain.

With outdoor placement, you must expect a reduction of the baler's lifespan as well as the need for more frequent servicing.

Take care to ensure there are suitable lighting conditions, so that working with the baler can take place without danger.

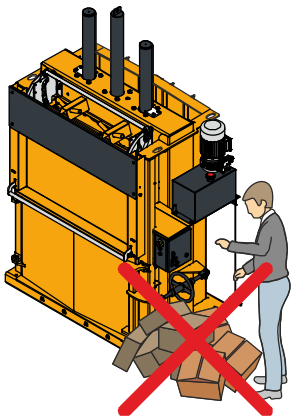
Clearances and working area:

The baler is placed so that it is possible to replace the binding material behind the chamber on certain models. The baler's left side should be placed at least 8 inches from the wall, so the doors can be opened the necessary 90°.



CAUTION

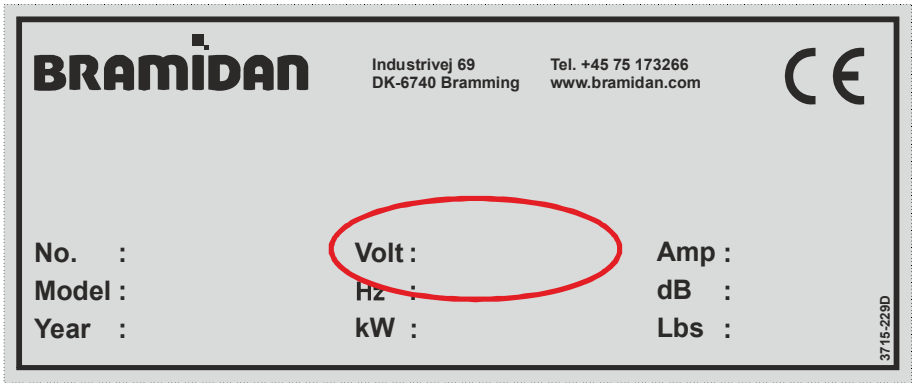
The working area must be tidy and free of waste and similar.



Connection:

Before the baler is connected to the supply network, check whether the electric motor is single or three phase. This appears on the nameplate on the baler. If the motor is single phase, it will say, for example 1x230 Volt under "Supply", and if the motor is three phase, it will say, for example, 3x400 Volt.

The voltage of the supply network must be appropriate for the configuration of the baler.



Single phase motor with socket:

CAUTION

Before connecting the baler you must visually ensure that the supply network looks secure, and that there are no defects, loose parts, etc.

The socket replaces the repair switch in accordance with applicable rules. Therefore, there must always be easy access to the socket, so the power can be interrupted again.

7 Cords, straps, or steel wire

The composition of the bale and the baler’s press pressure determine what type of cords, straps or steel wire can be used.

Choice of cords, straps, or steel wire can be crucial for further handling of the bale. It is therefore advisable to contact the purchaser to hear about any possible benefits.

If you want to use steel wire for binding the bale, some balers must first be readjusted for this, see chapter 10, Mounting cords, straps or steel wire.

Contact any dealer of the baler or supplier of cords, straps or steel wire for more information.

8 Operating principles

Power interruption:

If power to the bale presser has been disconnected, the baler must be reset with a single push of the green start button. If this occurs during ejection of the bale, continue the process by pressing the two orange finish indicator buttons, which together constitute two-hand control. The buttons only light while being pressed.

Emergency stop:

If the emergency stop has been activated, it must be deactivated, after which the baler must be reset with a single push of the green start button.

Start button:

In order to activate the start button between each press cycle, the filling door must be opened and closed. This is due to the door switch's monitoring of the baler, and prevents intentional evasion of the safety system.

Two-hand control:

The two-hand control requires a simultaneous, constant pressure within a time interval of ½ second.

The bale ejection is blocked:

There must not be any materials jammed in the ejection system, since this will prevent the press from ejecting the bale. The ejection mechanism on the platen must be pushed completely forward, if it is pushed back, the jammed material must first be removed.

Additional functions:

The following functions are not installed when the machine leaves the factory, and require an adjustment of the actual control system. Contact the dealer for more information.

Automatic start:
The baler starts when the filling door is closed, and it is therefore unnecessary to start it by activating the green start button.

Multiple press cycles after each start:
When the baler is activated, the platen runs the required number of press cycles.

Pause in the top position:
The platen remains in the top position for the required length of time. There is no reason for this except when running with more than one cycle or for testing.

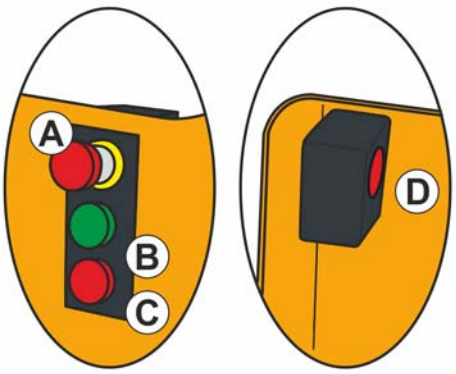
Pause in the lowest position:
The platen remains in the lowest position on the bale for the required length of time. This function can be used when it is known how frequently the baler is used, and an alternative is required to parking the platen on top of the bale (occasionally or permanently).

Parking the platen on the bale (permanent solution):
If you want a permanent solution where the platen parks on top of the bale every time in order to hold the pressure, for instance on expanding materials, the baler can be run with half press cycles.

To park the platen on the bale (occasionally) see chapter 9 The Operating Panel.

9 The Operating Panel

Description:



A) Emergency stop
B) Start button (green)
C) Finish indicator button (orange)
D) Finish indicator button (orange)

The two orange finish indicator buttons (C and D) together constitute the two-hand control.

Push buttons with light signal:

The light in the operating panel's buttons guides the operator through the different phases of the compression. This means that the operator should only concentrate on the button(s) that are lit/ blinking:

- A green-lit start button indicates that the baler is ready.
- A green flashing start button indicates that the baler is awaiting action from the operator. See chapter 15, Troubleshooting.
- An orange-lit button indicates that the baler is ready to eject the bale.
- An orange flashing button indicates that the baler is ready to eject the bale, but is awaiting action from the operator.

The function of the push buttons:

Compression:
When the green start button is activated, the platen runs a cycle where the waste is compressed and the platen returns to the top position. For models with automatic doors, the door is automatically closed before the platen begins the cycle.

See chapter 11, Filling and compression.

Binding the bale:
When the orange finish indicator button lights/flashes, the bale has reached its maximum and the platen is parked on top of the bale. From here on, it is no longer possible to interrupt the process, which must be concluded with binding and bale-ejection.

The bale size is set at the factory. The bale size can be permanently changed if necessary. Contact the dealer for more information.

See chapter 12, Binding.

Finishing the bale prematurely:
If you want to finish the bale before it has reached its maximum (before the finish indicator button is illuminated/flashes), this is done by pressing the orange finish indicator button for more than 3 seconds.

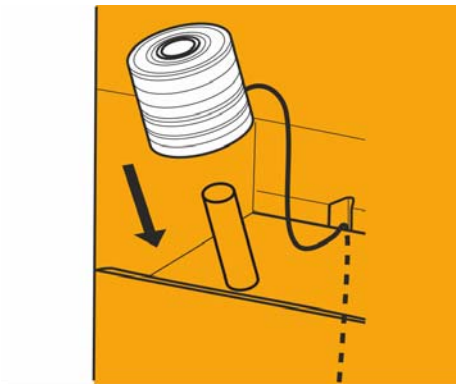
See chapter 11, Filling and compression, Finishing the bale prematurely.

Parking the platen on the bale (occasional):
Should the platen occasionally be parked on the bale to maintain the pressure with e.g. expanding materials, press on the start button (B) for a minimum of 3 seconds while the platen is on its way down.

When the platen is moved back to the top position, press once on the green start button.

To park the platen on the bale (occasionally) see chapter 8 Operating Principles.

10 Mounting cords or straps (Hereafter called “the strap")



Open the doors and the front cover.

Place the strap rolls on the tubes.

Lead the strap back and down into the chamber's triangular profiles. Pass the strap down towards the chamber floor, while presing it into place in the corresponding clips.

A loop is made at the end of the strap.

The strap is fastened to the chamber's slot at a distance from the loop, as shown in the illustration.

Close the doors.

11 Filling and compression

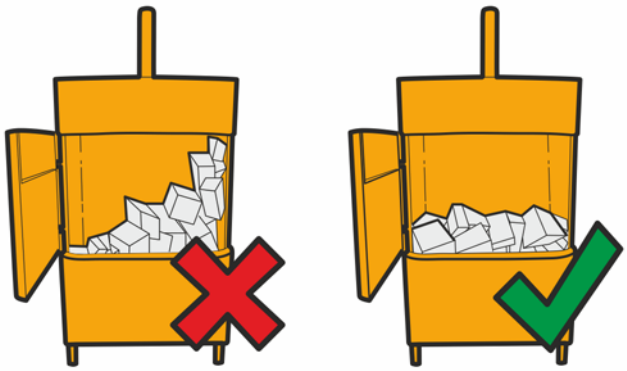
In order to avoid unnecessary damage to the press, we recommended you to read chapter 4, Use and function.

WARNING

If the press is installed near children's activities, one should make sure before starting that the children are not using the chamber as a hiding place. This is a possibility that must not be overlooked.

Also bear in mind that small animals may be hiding in waste which has not yet been compressed.

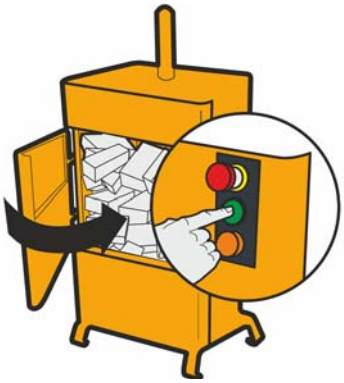
Distribution of waste:



Fill the chamber with material and distribute this evenly.

close the door so the lock mechanism engages.

Compression:



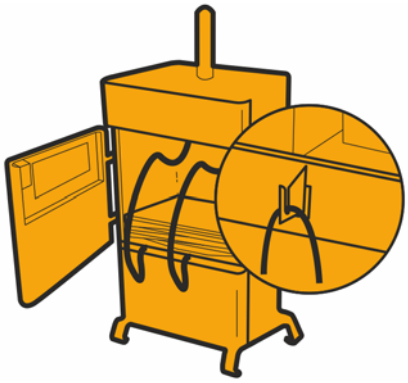
In order to activate the start button between each press cycle, the filling door must be opened and closed. This is because of the extra monitoring of the press by the door switch, and prevents intentional evasion of the safety system.

When the orange finish indicator button lights/blinks, the bale has reached its maximum and the platen parks on top of the bale.

See chapter 12, Binding for further handling.

Finishing the bale prematurely:

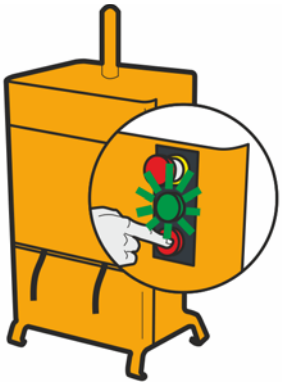
If you want to finish the bale before it has reached its maximum (before the finish indicator button lights), this is done as follows:



The platen must be in the top position, and the green start button must be lit.

Open the filling door and pull the strap over the bale. Cut the straps to the appropriate length and let them hang out over the edge of the door.

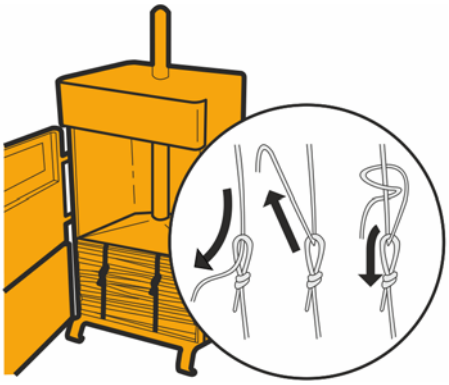
Close the filling door.



For normal operation:
Press on the orange finish indicator button for more than 3 seconds. (The finish indicator button is not lit).

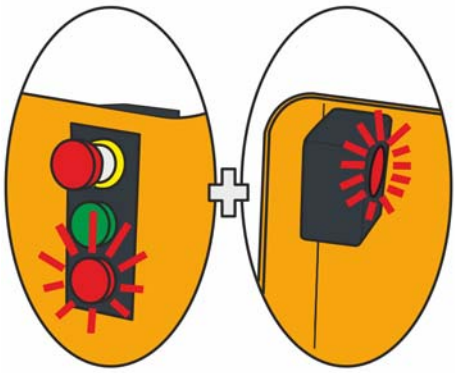
For automatic start:
Press on the orange finish indicator button, while the door is closing and until the button lights up.

The platen will go down and park on top of the bale.
The orange finish indicator button now starts to flash.



Open the doors.
Release the strap loops from the slots in the front of the chamber.

The shortened straps which were previously hanging over the edge of the door, are passed through the loops on the strap's other end and tightened by pulling upwards. Then finish off by tying a few knots.



See chapter 13, Ejecting the bale for further handling.

Cancelling of finishing the bale prematurely:

If finishing the bale is under way, the process can be cancelled. Press on the orange finish indicator button and allow the platen to run up and down until the green start button lights up. The baler is now returned to normal operation. If the orange finish indicator button does not respond, open and close the door.

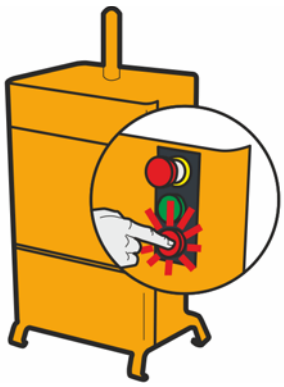
NB: If the bale has been completed and the finish signal shows automatically, the process cannot be interrupted.

12 Binding

Operation of the baler must always be carried out in accordance with the local regulations for use of technical equipment (machines), which can vary from country to country.

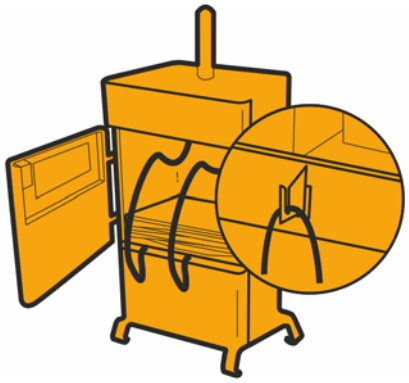
Cord or strap (Hereafter called "the strap")

When the orange finish indicator button lights and thus indicates that the bale is ready for binding, do the following:

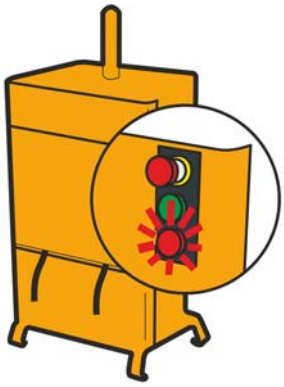


Press the lit orange finish indicator button so the platen goes back to the top position.

The orange finish indicator button now starts to flash. From here on, it is no longer possible to interrupt the process, which must be concluded with binding and bale-ejection.



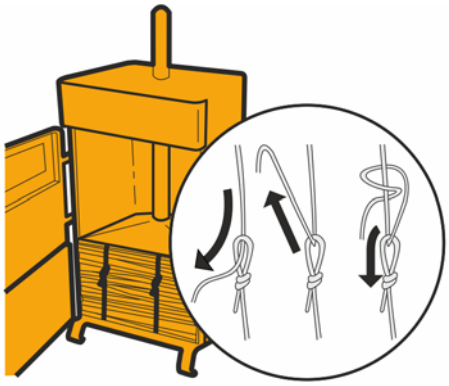
Open the filling door and pull the strap over the bale. Cut the straps to the appropriate length and let them hang out over the edge of the door.



Close the filling door, and the finish indicator button will light up.

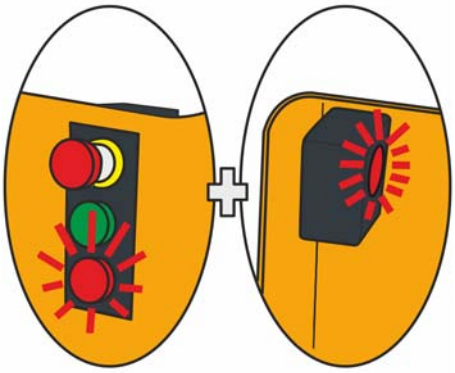
Press the lit orange finish indicator button so the platen goes down and parks on top of the bale.

The orange finish indicator button now starts to flash.



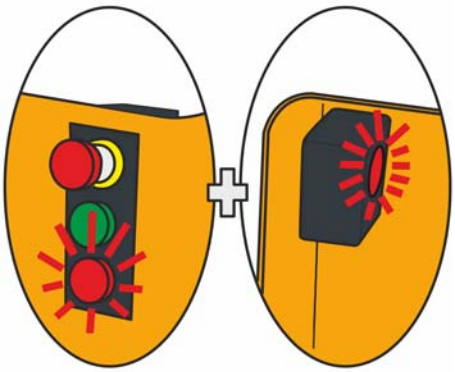
Open the doors.
The strap loops are released from the slots in the front of the chamber.

The shortened straps which were previously hanging over the edge of the door, are passed through the loops on the strap's other end and tightened by pulling upwards. Then finish off by tying a few knots.



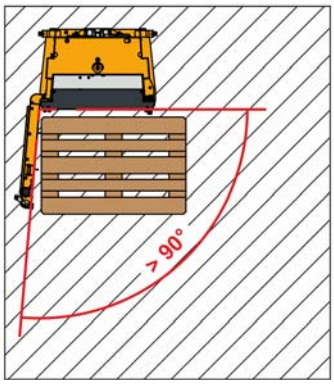
See chapter 13, Ejecting the bale for further handling.

13 Ejecting the bale



When the two orange finish indicator buttons light and thus indicate that the bale is going to be ejected, check the following:

CAUTION



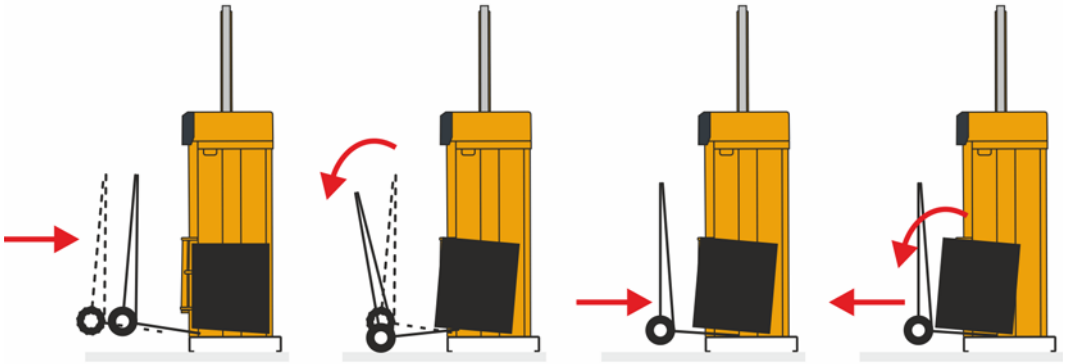
The main door must be open at least 90° in relation to the chamber.

WARNING

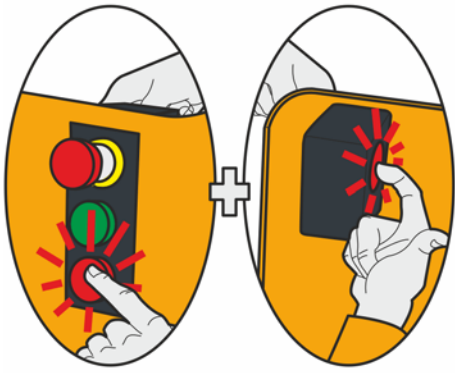
The baler must only be operated by one person. Only the operator should be in the vicinity of the baler when ejection is being performed. See chapter 6, Installation, Clearances and working area.

Applies to B3:

Open the doors and lift out the bale with the bale wagon, as shown in the illustration below.



Applies to B4:



The bale ejection is performed by pressing the two lit orange buttons simultaneously (two-hand control).

Note that simultaneous constant pressure within a time interval of half a second is necessary. The platen moves upward and the ejector belt tips the bale out of the chamber.

Continue to press the buttons until the platen has reached the top position and stops automatically.

It is recommended that the bale be tipped out onto a pallet placed in front of the chamber in order to facilitate further handling.

When the bale has been removed, close the doors. Press on the green start button to run a cycle so that the ejector belt falls into place.

Open the doors and pull out new straps.

14 Maintenance

WARNING

Before any repair or maintenance on the baler, disconnect the power by removing the plug from the electric socket. If you cannot do this, place a padlock on the baler's repair switch.

The legally required safety equipment must always be used for all types of repair and maintenance.

WARNING

Repairs to the electrical or hydraulic system must only be undertaken by authorized personnel who have the requisite knowledge and skills. Repairs must be carried out in a way that ensures that operation of the baler can continue safely.

WARNING

There must be no alterations or modifications to the baler or its electrical or hydraulic system.

Daily check:

- Check each day to make sure that no waste is trapped around the platen.
- Check if the platen's ejection mechanism can be pushed into the platen and then jump out again, see chapter 13, Ejecting the bale.

Weekly check:

- Check that the emergency stop works.
- Check that the baler cannot start when the filling door or main door is open.
- Check that all covers and screens are intact and attached.
- Also check that the release rollers on the platen's ejection mechanism can roll and are not defective or worn out.
- Also take note of the baler's overall condition.

CAUTION

If there are defects, these must be repaired by authorised personnel who possess the necessary knowledge and understanding before the baler can be used again.

Biannual check:

The oil level is checked twice a year, see the table below.
When the platen is in the top position, the distance from the tank's edge to the oil should be:

B-series, model	Distance in inches
B3	1 inches
B4	1 inches

Since the hydraulic oil's lifespan is heavily dependent on the operating temperature, this should be at 86-140 Fahrenheit. Therefore, a cooling system should be mounted on the hydraulic system (optional equipment) for continuous operation.

Lubricate the baler's cylinders, steering rod, and spindle (hand wheel) at least twice a year. The oil nipples fit on a standard hand pump.

Annual check:

At least one annual service check is recommended where the baler's electrical and hydraulic systems are reviewed and defective parts and oil are replaced in order to keep the baler in an operational and safe condition. Service inspections can be ordered from the dealer.

CAUTION

At least one safety check on the baler must occur annually. See chapter 16, Checklist for safety check.

The oil should be changed at least once a year. The place where the oil is being filled, as well as the tools used for filling the oil must be completely clean.

The filter in the oil tank should be changed after max. 2000 operating hours or at least every five years. Filter changes must be carried out by authorised personnel.

Damage to paintwork:

Major damage to paintwork can be repaired using a 2-component paint, which can be purchased from the dealer. Minor scuffs, etc. can be repaired using an ordinary paint.

Cleaning:

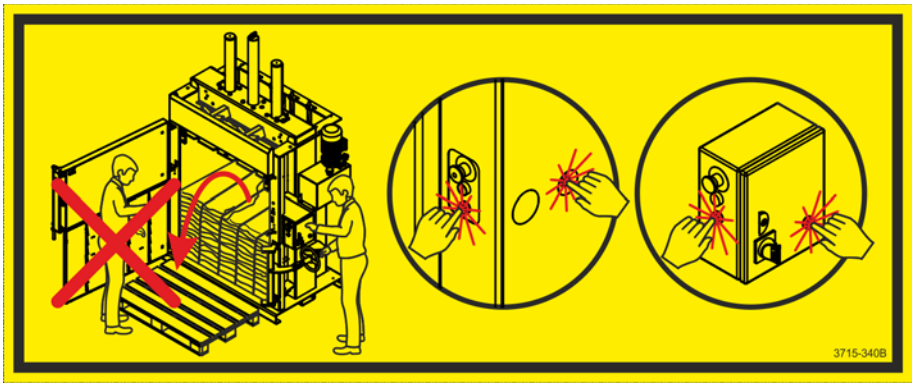
The baler is cleaned with a hand brush and an ordinary soft cloth, don't use water or high pressure cleaners, etc.

Spare parts:

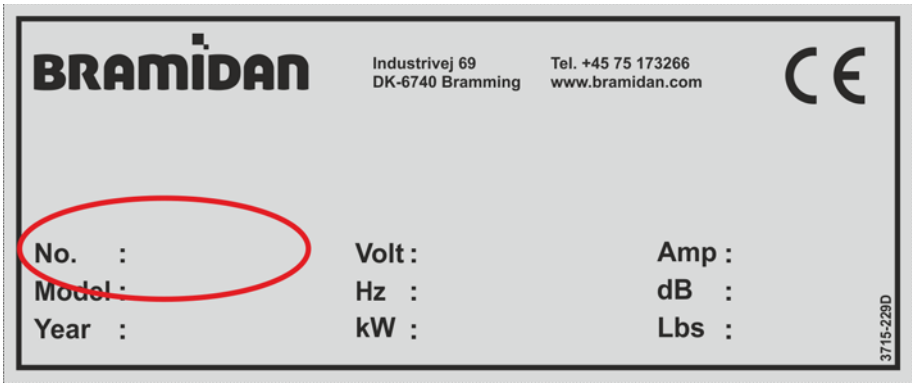
Always ensure the baler is kept in good condition with regard to operation and safety. Replace the necessary worn parts, labels etc.

Due to the high functional value and safety requirements of the baler, we recommend that you use original spares. Spare parts can be ordered from the dealer.

For all models with automatic ejection systems, this label must always be placed visibly on the operating panel (goods number 3715-340).



Provide the baler's serial number when requesting information.



Disposal:

The hydraulic oil is packaged and disposed of according to the appropriate country's laws and regulations for the area. The electrical system and the baler itself can be reused and should be separated from each other before disposal.

15 Troubleshooting (Hereafter called the "strap")

If it is not possible to solve the problems using the troubleshooting table, or there are any other questions, contact the dealer.

The baler is unable to start: Is the baler connected to the supply network?	Connect the cable to the supply network.
Is the repair switch set to "0" or OFF?	Set the repair switch to "1" or "ON".
Has the emergency stop been activated?	Release the emergency stop.
The baler cannot start and the start button is flashing:	The filling door must be opened between each press cycle.
One flash, the door switch is reporting errors.	Open and close the door completely.
Two flashes, the emergency stop is activated.	Release the emergency stop.
Three flashes, the oil temperature is too high.	Wait for the temperature to be normalized, which can take a couple hours. (If the problem is recurring, call for service).
Four flashes, the motor temperature is too high.	Wait for the temperature to be normalized, which can take a couple hours. (If the problem is recurring, call for service).
Five flashes, service is recommended.	Order a service from the dealer.
Six flashes, other serious errors.	Contact the dealer.
The baler is very noisy: Have one or more of the platen's wear blocks worn away?	Replace the wear blocks.
Is the platen's release roller worn?	Replace the release roller.
Is a foreign object trapped between the platen and the chamber?	Remove the foreign object.

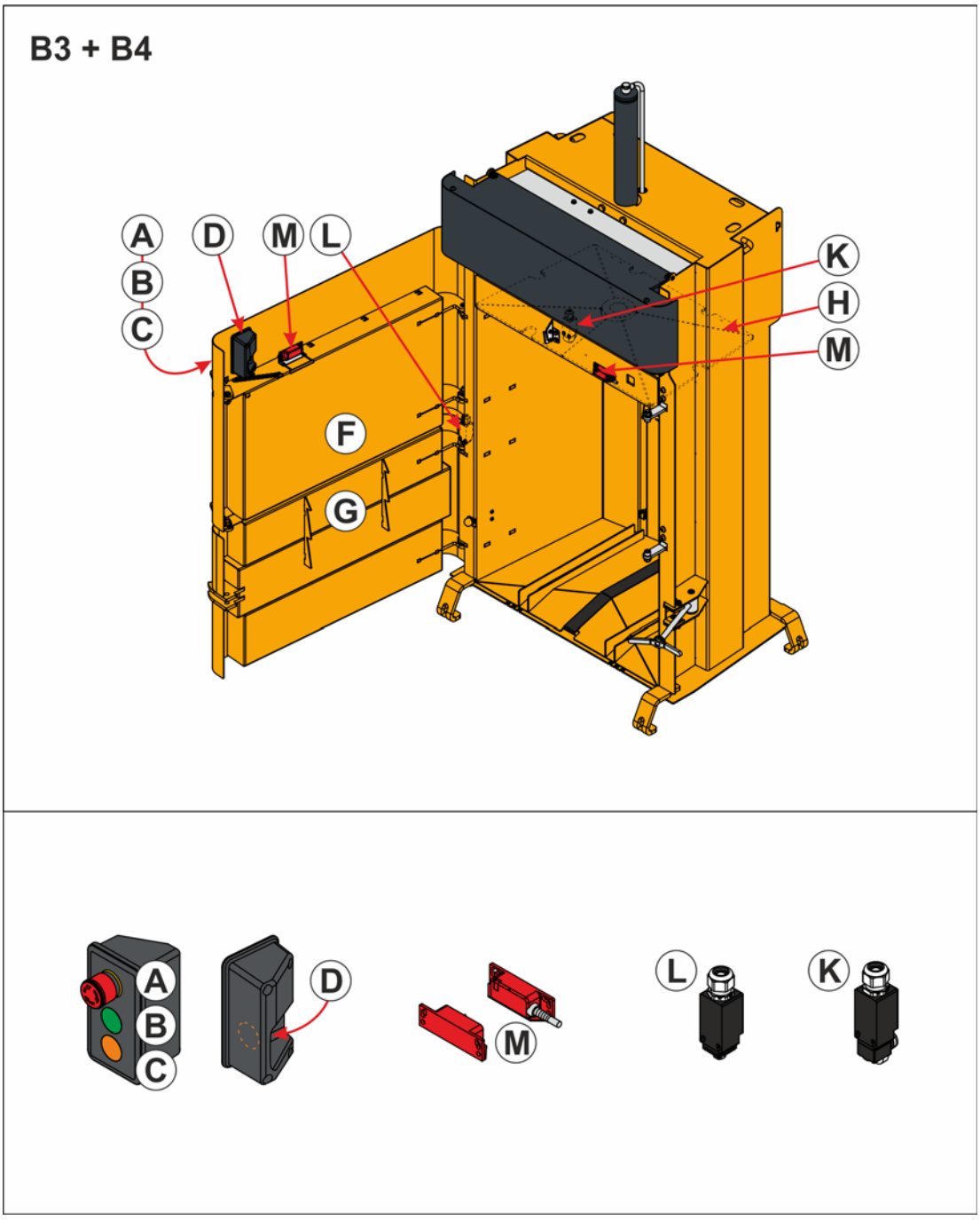
The baler is unable to eject the bale: Is the two-hand control not responding?	Two-hand control requires a simultaneous constant pressure within a time interval of ½ second.
Has the emergency stop been activated?	Release the emergency stop.
Has the top switch been activated?	Remove any trapped material at the top switch.
Is a foreign object trapped in the ejection system?	Remove the foreign object.
Is the strap installed incorrectly?	Cut the strap and tip the bale out of the chamber. Press the bale again.
Is the steel wire installed incorrectly?	Clip the steel wire and tip the bale out of the chamber. Press the bale again.
Leakage: Is hydraulic oil leaking from the baler?	Disconnect the power to the baler. Wipe up the oil, using a cleanser designed for hydraulic oil if necessary. Repair the leak before the baler is put into use.

16 Checklist for safety check

CAUTION

The items below should be checked at least once a year. Only individuals with a thorough knowledge of the baler and its functions may implement such a check.

Take a copy of the checklist and make a note of each point of any defects, wear and tear or errors, which must all be repaired before the baler can be used again. It is recommended to save the copy as documentation.



Check cable and socket Visually check the supply cable and socket. There must be no cracks or other defects, etc.	**Defect**	**OK**
Check the emergency stop (A) Doors (F) and (G) must be closed. Activate the emergency stop button (A). Then press the green start button (B). It must not be possible for the baler to start. Deactivate the emergency stop button (A). Reset the baler with a single push of the green start button (B), start the baler by pushing the green start button (B) again. Activate the emergency stop button (A). The baler will stop immediately. Deactivate the emergency stop button (A). Reset the baler with a single push of the green start button (B).	**Defect**	**OK**
Check the two-hand control (C) and (D) Press on the finish indicator button (C) so the platen (H) goes to the bottom position. Open the doors (F) and (G), so the two-hand control (C) and (D) activates and lights up. First press the finish indicator button (C), then press button (D). The baler must not eject the bale. Press buttons (C) and (D) simultaneously and costantly within a time interval of ½ second. The baler should start to eject the bale. Close doors (F) and (G).	**Defect**	**OK**
Check door switch (M) Open door (F) and press the green start button (B). It must not be possible for the baler to start. Close door (F) and press the green start button (B). Open door (F) after about 10 seconds. The baler will stop immediately. It must not be possible to start the baler until door (F) has been closed again. Check that the two parts (M) of the door switch are complete and not defective. (One of the parts of the door switch is on the door (F), and the other is on the chamber of the baler).	**Defect**	**OK**

Check top switch (K) Close doors (F) and (G) and press the green start button (B). The pump station must stop when the platen (H) reaches the top position. It is recommended to activate the emergency stop (A) before visually checking the top switch: Check that the top switch (K) is intact and free from defects. The arm must be able to move freely. Deactivate the emergency stop button (A). Reset the baler with a single push of the green start button (B).	**Defect**	**OK**
Check the door switch (L) Run the platen down to the lowest position by pressing the orange finish indicator button (C). Open door (F) and activate two-hand operation (C) and (D). The press must not eject the bale. Open door (G) and check that the door switch (L) is complete and not defective. It should be possible to press the roll in and out / The arm must be able to move freely.	**Defect**	**OK**
Check the closing system on door (F) Open door (F) and check that the closing system works correctly.	**Defect**	**OK**
Check the closing system on door (G) Open doors (F) and (G) and check that the closing system and spindle (handwheel) work correctly.	**Defect**	**OK**
Check hydraulics Check hydraulic hoses for cracks and ageing. There must be no leaks from either the cylinders, fittings, or the pump station.	**Defect**	**OK**

Applicable for machine number: _____

Safety check carried out on _____

Signature: _____