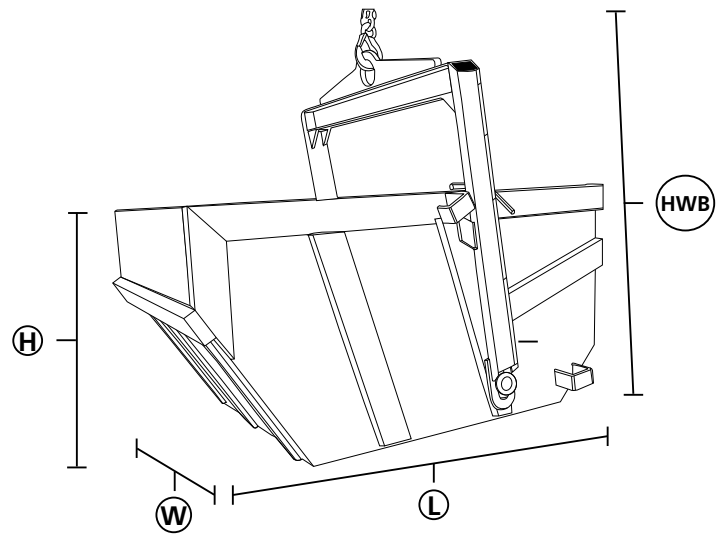


# PRODUCT CODE: CA122

PRODUCT DESCRIPTION: HEAVY DUTY SELF DISCHARGE BOAT SKIP

PRIMARY FUNCTION: FOR THE TRANSPORTATION OF WASTE MATERIAL



The CA122 has been designed to cope with the toughest of site conditions.

Its rugged, robust design and build quality make the skip ideal for transporting heavier loads.

Just as the CA108, the CA122 can be automatically unloaded without manual intervention by the operator with a new updated system for release.

Available in a massive range of capacities from 500 - 8000 litre as standard designs.

As with most of our equipment, the CA122 can be made to measure.

HWB = Height with bale arm up in the lifting position.  
 WWB = Width with bale arm.

Cap. Ltrs	H mm	HWB mm	L mm	W mm	WWB mm	WLL. Kg	Weight. Kg
2000	946	1525	1970	1412	1582	4000	860
3000	1006	1629	2147	1762	1985	6000	980
4000	1150	1750	2347	1900	2123	8000	1450
6000	1380	2400	2870	2070	2280	12000	2020
8000	1480	2400	3070	2170	2380	16000	2400

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## BASIC SAFETY

**IMPORTANT:** Read these instructions before using this equipment. If there is anything you do not understand or if you have any concerns **DO NOT** use this equipment. Contact your supervisor or Conquip for advice.

You should check that you have considered all the safety requirements for the task you are doing and that this equipment is suitable.

You must protect bystanders and the general public by preventing access to the working area.

**DO NOT** use this equipment if you are tired, unwell or under the influence of alcohol or drugs. If you are taking any medicine or undergoing treatment you should inform your supervisor.

You must be competent, alert and medically fit when using this equipment. If you have a medical condition, a mental or physical disability, you must seek advice from a medical professional before using this equipment.

A **RISK ASSESSMENT** must be completed by a competent person before using this equipment to control risks, produce a safe system of work and ensure safety for you, your colleagues and others.

Your risk assessment will determine the correct Personal Protective Equipment (PPE) for the task you are doing. You **MUST** use it.

Conquip recommends that you should wear:

- Suitable Clothing
- Gloves
- Hard Hat
- Protective Footwear (steel toecaps)



**DO NOT** wear loose clothing or jewellery and tie back long hair to avoid becoming tangled or trapped in this equipment.

You **MUST** make everyone in the work area aware of what you are doing. **NO SURPRISES.**

This equipment should be operated, stored and transported upright.

Make sure you know how to use this equipment and understand all aspects of its operation in case of emergency.

This equipment weighs more than 25 kg. **DO NOT** lift or manhandle without machine assistance.

This equipment must be inspected by a competent person before use and then regularly, as determined by your risk assessment or working practice. If you have any concerns about condition or suitability **DO NOT USE.**

**DO NOT** operate this equipment near overhead power lines.

**TAKE CARE** in confined spaces, near ceilings or similar hazards. This equipment was designed for vertical lifting. **DO NOT** drag tilt or swing.

Before lifting, check that the load is balanced and stable. Keep all personnel clear of raised loads and far enough away to allow for movement caused by a shifting load.

**CRUSH RISK.** Keep hands and feet clear of this equipment at all times to avoid injury.

**DO NOT LEAVE UNATTENDED.** The operator must remain in control of this equipment whenever it is loaded.

Before lowering a load make sure that the landing zone is clear and capable of accepting the size and weight of the load.

Manoeuvre loaded or raised equipment carefully. Travel and turn slowly to avoid unit becoming unstable.

Please distribute the load in this equipment evenly.

**DO NOT** exceed the maximum working load limit shown on the serial plate.

Before lifting, forks must be fully engaged and the security chain, or heel pins **MUST BE** correctly fitted.

**HEAD, HANDS & FEET** must be kept clear.

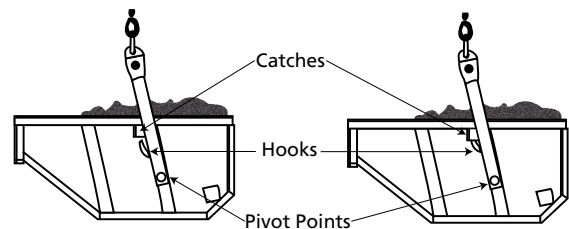
Trucks used for lifting and moving this equipment must be capable of lifting the equipment and its load.

**DO NOT** exceed **WORKING LOAD LIMIT.**

Before operating this equipment make sure that the working area is clear of hazards, obstructions and personnel.

Check that the equipment has the correct load rating and dimensions for the intended load.

Before operating this equipment, check that you have enough space for you to work safely. Allow space for the equipment to move if the load shifts.



## PREPARATION

Make sure that the work area is clear of any obstructions. Ensure adequate room around the unit for the operator to work safely.

## WARNING

**At no point during the operation of this skip should personnel be within the discharge zone. All of the lifting, tipping and manoeuvring must be carried out by the crane. DO NOT ATTEMPT TO MOVE THE SKIP OR BALE ARM BY HAND.**

## THE CONTROLS

The self-discharging boat skip is fitted with a hook and catch locking and release system. The hooks are located on both sides of the bale arm and the catches are situated on both sides of the skip body. The hooks engage with the catches as the bale arm is lifted upward and towards the front of the skip and will remain in place until the skip is landed and the bale arm lowered.

When the bale arm is lowered fully and is moved towards the back of the skip, the centre of gravity ensures that the skip will then lift in the tipping position.

A more detailed description is located in the **LOADING, MOVING & EMPTYING** section.

## SETTING UP THE EQUIPMENT

The lifting arm will be in the lowered position when attaching to the crane.

Attach the lifting equipment's hook to the skip's lifting / bale arm lifting eye. Always ensure that the hook's gate is correctly

closed and the lifting eye is seated correctly in the hook.  
 Raise the crane to bring the lifting arm upright and lift the unit just off the ground.

Check that the skip is balanced correctly before lowering back to the ground, land the skip on firm level ground, which is able to bear the unit's weight and load.

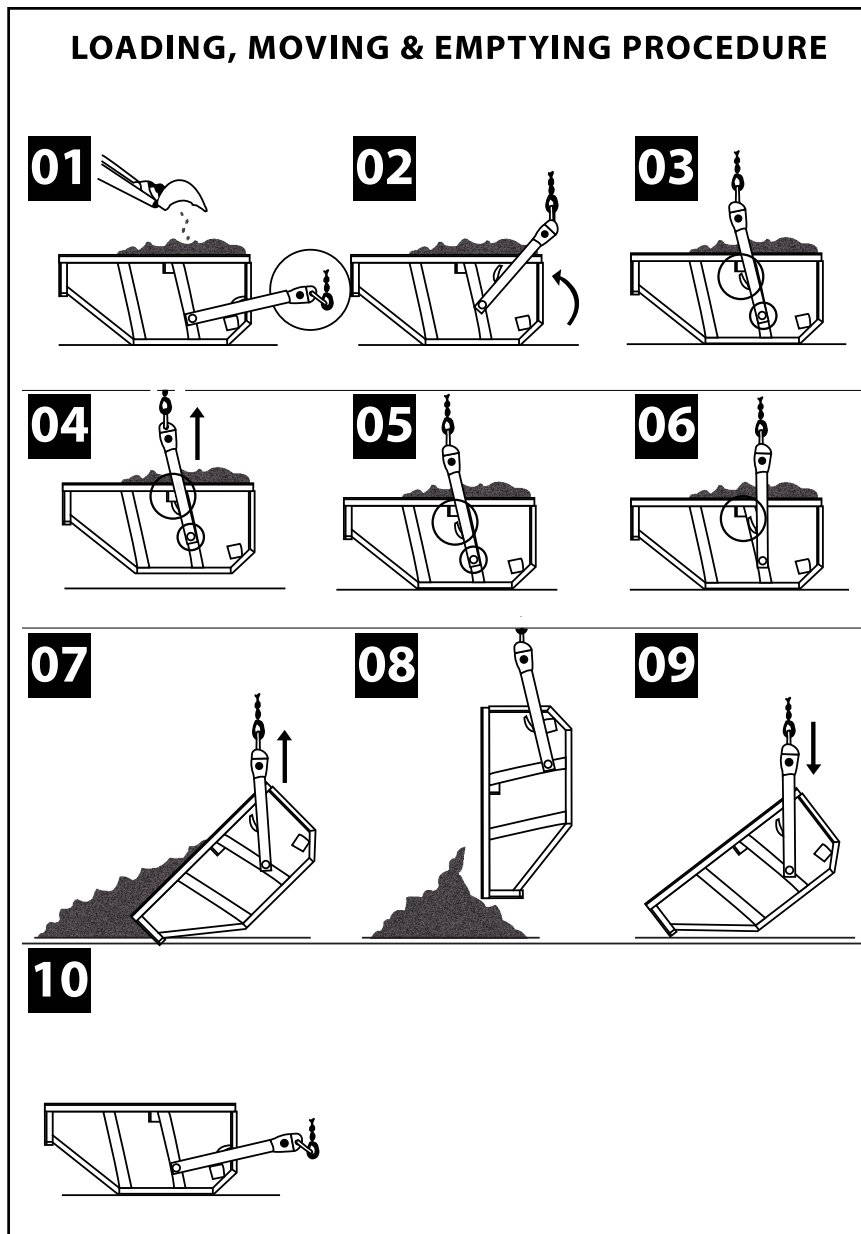
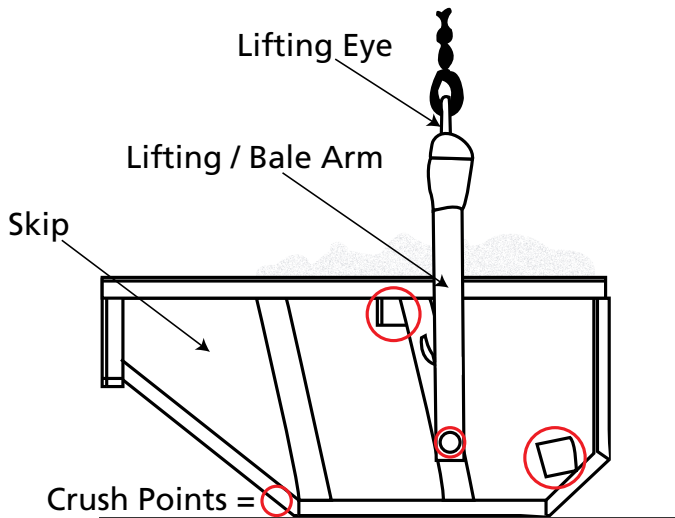
**LOADING MOVING AND EMPTYING**

To ensure that both the Banksman and the Crane Driver are familiar with the correct and safe operation of the Boat Skip, a practice run is required with the unit empty, this will ensure that both fully understand how the locking mechanism functions, the tipping action is carried out and the reactions of the skip to these actions.

Position the unit on firm level ground, which is able to bear the unit's weight and load.

Make sure that the bale arm is in the lowered position (see figure 10)

1. You can now evenly fill the skip ensuring the load is no wider, longer or higher than the skip's side walls. DO NOT overload by volume or by weight. The load should be evenly placed in the skip by weight and volume. Where



- necessary, cover the load with a safety net to safeguard against the load falling from the skip. Note that the chain is limp on the bale arm.
2. Once loaded and ready, clear all personnel from the area, raise the bale arm bringing the lifting eye towards the front of the skip.
  3. The bale arm will hit the stops when it reaches the correct lifting position, note the angle of the bale arm and the position of the pivot points.
  4. Raise the bale arm carefully ensuring the angle of the bale arm is maintained, the hooks will lock into the catches, the skip is now ready to be lifted. Raise the skip just enough to allow sufficient clearance from the ground to ensure the load is balanced. DO NOT enter the area nor allow anyone below the unit. The skip can now be craned to the discharge area.
  5. Again ensure that no personnel are in the discharge area, lower the skip to the ground with the front facing the discharge area, note the position of the pivot points as the hooks slide down from the catches.
  6. Position the crane towards the rear of the skip and raise the bale arm carefully ensuring the hooks disengage from

the catches.

7. The skip will now begin to discharge.
8. No personnel to be near the skip, danger of skip swinging. Raise the crane as necessary to empty the skip completely.
9. The skip can now be lowered to it's resting position.
10. Note how the chain and lifting eye are limp before removing the crane hook.

#### FINALLY

All that remains is to give the unit a thorough clean before returning.

#### EQUIPMENT MAINTENANCE

When not being used, store the unit in a clean condition and in a safe place away from thieves and unauthorised users.

DO NOT use the boat skip for carrying toxic or dangerous materials or chemicals.

DO NOT light fires in or around the skip.

Once empty and lowered, disconnect the lifting equipment's hook from the units bale arm lifting eye.

**NOTE: FAILURE TO CLEAN THIS EQUIPMENT THOROUGHLY MAY RESULT IN A CHARGE.**

#### WARNING

If the bale arm fails to lock or unlock, DO NOT attempt to rectify the problem yourself, quarantine the unit and contact Conquip Engineering Group immediately for advice.



#### WARRANTY

Conquip Engineering Group products are covered by a 12 month warranty. Conquip Engineering Group undertakes to replace or repair, free of charge, any defect which the Company considers to be due to faulty workmanship or material within 12 months of the sale date, except for:

Defects arising from neglect, misuse or unauthorised modifications.

Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow transportation, storage, loading, cleaning or operation instructions.

Alterations, additions or repairs carried out by persons other than Conquip Engineering Group or their recognised distributors. Transportation or shipment costs to and from Conquip Engineering Group or their recognised agents, for repair or assessment against a warranty claim, on any product or component.

Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

Faults arising from the use of non-standard or additional parts, or any consequential damage or wear caused by the fitting or use of such parts.

Conquip Engineering Group and/or our recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with, or by reason of, or the inability to use the product for any purpose.

#### MODIFICATIONS

If any third party work, modifications or alterations are to be carried out on the product which will involve any welding, drilling or any form of cutting or distortion of materials, full written approval must be obtained from Conquip Engineering Group prior to the work being carried out.

Conquip Engineering Group operate a policy of constant improvement and reserve the right to change specifications without notice.