

TECHNICAL DESCRIPTION THORBJÖRN

Electric Bin lift – single chair

Product: Electric bin lift **THORBJÖRN**, Semi - Automatic

Operation: Electric motor with gearbox and driver

Easy fitting on any standard rear end loaded RCV. It can be easily fitted to both new and older vehicles with minor modification. A standard DIN frame is required. THORBJÖRN is connected to the 24 volt DC supply from the batteries on the vehicle, through a Power Inverter to provide the 230 AC voltage required to operate the Bin Lift.

DESCRIPTION OF THE ELECTRIC BIN LIFT

THORBJÖRN is a Semi-Automatic Bin Lift with a single chair equipped with a comb lifting device. It is suitable for any standard 2 wheeled containers (EN 840-1) with a capacity of 80 to 360 liters and any standard 4 wheeled container (EN 840-2 and 840-3) with a capacity of 500 to 1,300 liters.

GENERAL SPECIFICATIONS

- Loading height : 1,470 mm
- Ground clearance : 450 mm

SILENCE

- The engine of the RCV operates at idle during bin lift operation, thereby keeping noise and fuel consumption to a minimum, while reducing exhaust emissions significantly.
- Operational noise level of the bin lift is measured at only 45 dB (A)

MAXIMAL SAFETY

- THORBJÖRN carries the CE mark of approval and complies with the safety standards EN 1501-1.
- Emergency stop buttons are fixed on the side protections and on the controls on both sides of the bin lift.
- Lifting comb is equipped with cycle start sensor for an easy attachment of the bin.
- Safety sensor operates in descent mode to prevent serious injury.
- The comb is equipped with a sensor recognizing the presence of a bin.
- No uncontrolled power means much safer operating environment.
- Specifically designed to avoid any crushing hazards.
- Side protections consisting of padded safety barriers covering the operating zone.
- Integral set, no risk of being crushed (no scissors).

CLEAN

- No flexible hoses.
- No grease.



Photos for illustration purposes only

OPERATION OF THE ELECTRIC BIN LIFT

- Cycle time for standard (En 1501-1) 2 wheeled containers is from 12 seconds (adjustable).
- Cycle time for standard (EN 1501-1) 4 wheeled containers is from 12 seconds (adjustable).
- Lifting movement in two stages: safe vertical movement, followed by bin rotation.
- Safety brakes and bin retention in high position.
- Smooth lifting cycles (no “jerky” movements).
- Command box on each side for complete control of manual and semi automatic operations.
- The Bin Lift can control the compaction cycles by estimating the collected load.

