

TECHNICAL DESCRIPTION ISBJÖRN Split Body

Electric Bin Lift, double-chair with slider for trucks with two compartments

Product : Electric Bin Lift **ISBJÖRN** Automatic,
with slider : ISBJÖRN Split Body
Operation : Electric motor with gearbox and driver

Easy fitting on any standard two compartments rear end loaded RCV. It can be easily fitted to both new and older vehicles with minor modification. A standard DIN frame is required. ISBJÖRN Split Body 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 WITH SLIDER

ISBJÖRN Split Body is an Automatic Bin Lift with double-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 (adjusted lifting limit at 140 Kg) and any standard 4 wheeled container (EN 840-2) with a capacity of 500 to 770 liters.

OPTIONS : 4 wheeled containers > 770 liters to 1200 liters (EN 840-3)
Adjusted lifting limit: 350 Kg.

CARACTERISTIQUES TECHNIQUES GENERALES

- Loading height : 1,523 mm
- Ground clearance : 500 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

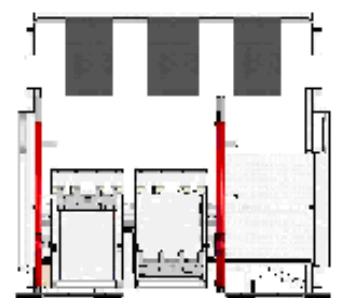
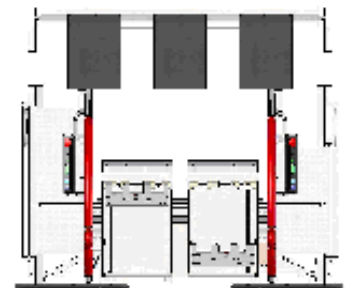
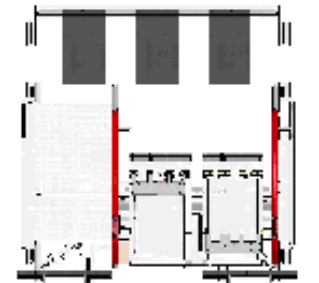
- ISBJÖRN Split Body carries the CE mark of approval and complies with the safety standards EN 1501-1.
- Emergency stop buttons are fixed on the side protections and on the controls on both sides of the bin lift.
- Each comb is equipped with a presence sensor recognizing the presence of the container and 2 sensors confirming good gripping and position.
- 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
- Fitted with a comb for 4 wheeled containers.
- Default central position to secure access to the footsteps on each side (EN 1501-1)
- The electric parts and jack for horizontal movements are between the DIN frame and the bin lift.
- When the bin man steps on the footstep, the ISBJÖRN Split Body is automatically positioned in the central position.
- When driving, the ISBJÖRN Split Body is positioned in the central position.
- Integral set, no risk of being crushed (no scissors).

CLEAN

- No flexible hoses
- No grease

MODULARITY

- Collection of 2 and 4 wheeled bins and containers.
- Mixed collection (bags, bins and containers). Where replacement of a chair takes less than 15 minutes.



OPERATION OF THE ELECTRIC BIN LIFT

- Cycle time for standard (EN 1501-1) 2 wheeled containers is from 6.5 seconds (adjustable).
- Cycle time for standard (En 1501-1) 4 wheeled containers is from 12 seconds (adjustable), double-chair.
- Command boxes are each side for complete control of manual, semi automatic and automatic operations.
- Lifting movement in two stages: safe vertical movement, followed by bin rotation.
- Smooth lifting cycles (no “jerky” movements).
- Safety brakes and bin retention in high position.

OPERATION OF THE SLIDER

- Secured sliding, by electric jack, lifts are in ascended position during sliding.
- Cycle time of a complete sliding from end to end is approximately 4 seconds.
- Cycle time of partial sliding is approximately 2 seconds
- When the truck is moving, the bin lift is positioned in the center and the 2 footsteps are accessible. The space on the footsteps dedicated for the bin man does comply with safety standards.



Photos for illustration purposes only