

# ISOLOADER

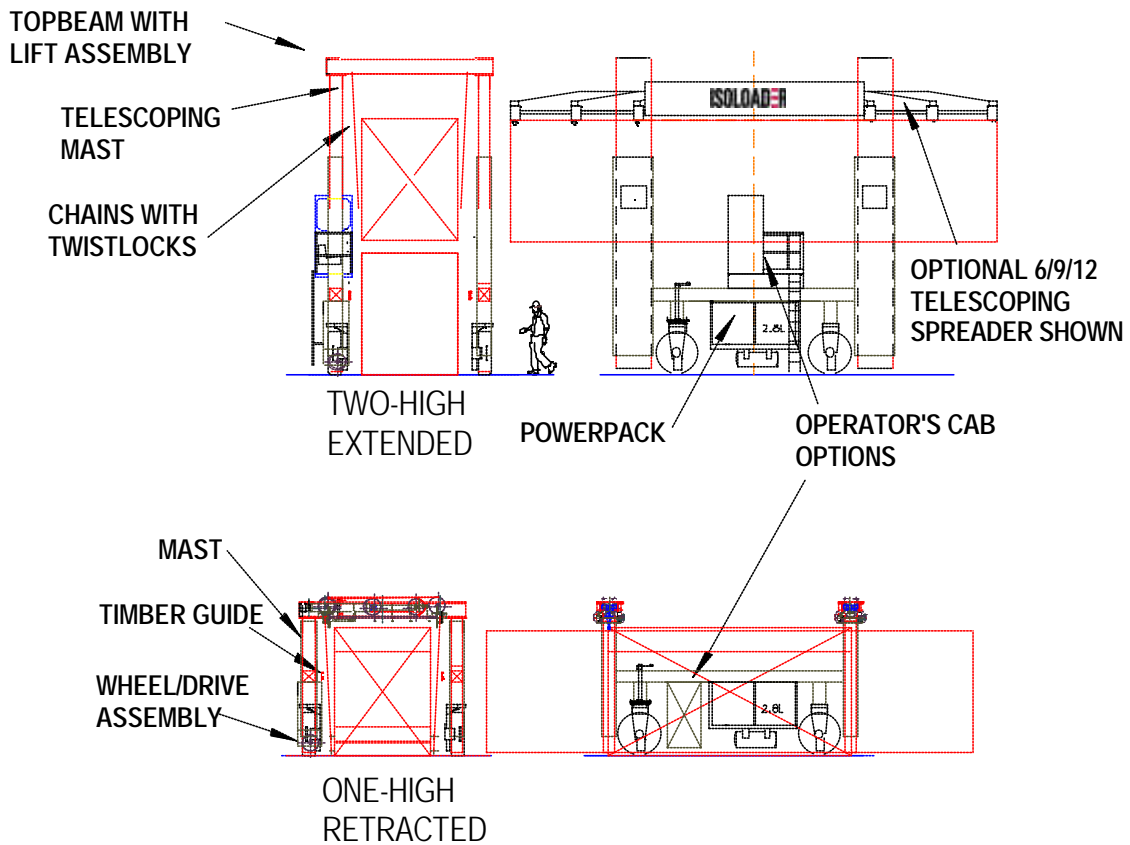
## "Lowboy Lifter"

Model: LL  
Spec. No. LLST02

... to  
**35T**



The "Lowboy Lifter" is a container handler with telescoping masts to fit into low-height-access areas. It is based on the "Econolifter" and "Container Handler" ranges of straddle carriers and would be used in similar-throughput applications.



Lift Format		Lifting Rating Tonnes		Dimensions (mm)		Weight Kg	"Lowboy Lifter" Model
Stack	Spreader	SWL	AVG*	Height	Width		
ONE+ HIGH	Chains	32	27	4950/6600	5000	14460	LL1-32-CH6/12
TWO HIGH	Chains	31		5900/9000		16360	LL2-31-CH6/12
ONE+ HIGH	6/12 telescoping spreader	27	27	4950/6600	5000	19600	LL1-27-6/12M
TWO HIGH	6/12 telescoping spreader	35	35	5900/9000	5000	22360	LM2-35-6/12M

\* AVG is a guideline for the average weight of containers handled, and relates to the build specification required. One-high machines above will handle containers up to 3048mm tall, and a maximum vehicle+container height of 4.6m. Machine specifications can be changed to meet a specific condition. Examples of changes to specifications might include height, SWL, slopes >2%, four-wheel-drive, four-wheel-steering, a specific engine manufacturer etc. Contact your representative if the standard specifications do not meet your needs. All requests will be considered.

### Operational Data.

**Pavement:** Concrete, bitumen, compacted high-quality hardstand or other equal pavement. Slope 2%.

**Yard Layout:** Storage areas are normally laid out in rows with containers on 4-4.5m centres. If rows are set up at 30-45° from the access roadway, operational and cost benefits can be realized.

### Standard Features:

#### Structure.

The straddle carrier structure consists of four vertical TELESCOPING masts with topbeams above (front and rear), wheel/drive assemblies below, and side beams (left and right) per the drawing on page 1. A powerpack is hung from one of the sidebeams. An operator's cab is positioned above or below the sidebeam, or alternatively, attached to one of the masts. Timber guides are provided on the container-side of the masts of the machine to help guide the operator when driving over a container.

#### Systems.

**Power Pack:** The powerpack contains a water-cooled diesel engine set driving a hydraulic pump set. Hydraulic controls and a reservoir system are behind the engine/pump group. A powerpack enclosure reduces the noise level for the operator. A fuel tank with built-in gauge is suspended from the powerpack for ease of access.

**Lifting:** Lift systems of hydraulic cylinders, sheaves and ropes, are enclosed in each topbeam. Each lift system raises

and lowers a pair of telescoping masts and the corresponding topbeam. Chains hang from the topbeam. Twistlocks are at the end of the chains, and these twistlocks are connected to the corner castings of the containers. Safety locks are provided against hose failure.

**Travel:** A hydrostatic drive provides infinitely variable speed control in both forward and reverse directions. A spring-applied fail safe brake system holds the machine when parked. Steering is powered by hydraulic cylinders. Tyres and rims are selected to match the application.

**Operator's Control Cab:** The placement of the open-type cab is selected to afford optimal viewing of the major operation to be performed at the site. The machine is designed to be controlled from the operator's cab. Direction is controlled by one lever. The lifting system has its own lever to raise/lower the load. A push-pull valve controls the application of the parking brake. Powerpack operational indicators are provided. Any accessory lights provided are controlled from the operator's cab.

**Warning Devices:** Two (2) rotating amber beacons are provided, one at each end of the machine, usually mounted on a front and rear vertical mast. An electric horn is provided. A reversing beeper is offered as an option below.

**Major Painting:** A high grade protective paint system is applied to suit the anticipated operating climate. Any special conditions should be noted at time of proposal discussions.

### Product Optional Extras:

**Lighting Package:** Lighting for the load connections and for traveling within the yard. Includes associated interconnecting wiring and controls; upgrade in alternator to handle the additional load, all factory installed/tested at time of initial machine production

**Spreaders:** The powered 6m or 6/12m telescoping spreader incorporates hydraulic actuators, which operate the locking and unlocking of each corner twist-lock. Mechanical and electric safeties indicate safe attachment and release of the container. Side shift of ± 125mm is provided to assist in

positioning the containers. An auxiliary set of lifting chains with twistlocks is provided. These chains are placed on the hooks located on the spreader. The chain set allows the lifting of out-of-shape containers and flat racks. Chain baskets are provided on the masts for storage of the chain set.

**Reversing Beeper**  
**Weighing Systems**  
**6/9/12 Spreader**  
**Lighter Duty Auxiliary Chains**

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