

# ISOLOADER

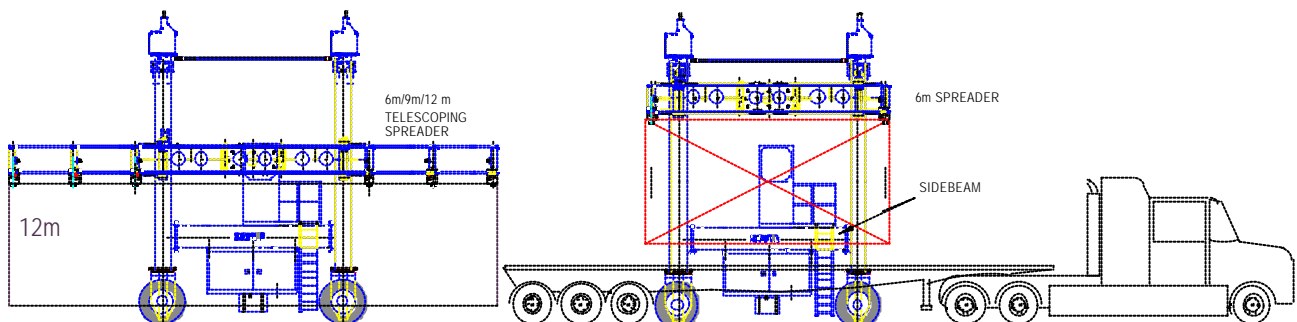
*"Container Handler"*

Model: CH  
Spec. No. CHST01a

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**35T**

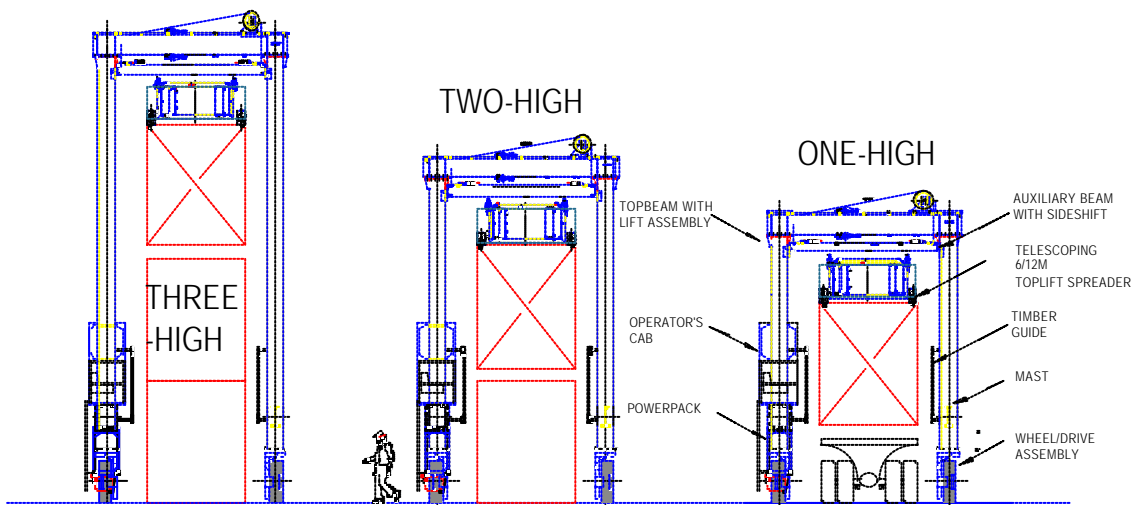


The *"Container Handler"* is an economical solution when handling up to 5000 containers per year in small to medium scale operations such as transport yards, warehouses, and production facilities



ISOLOADER CH1-32-6/9/12m  
with 12m ISO Container

ISOLOADER CH1-35-6m loading a 6m high-cube  
ISO Container onto a standard road trailer



# ISOLOADER "Container Handler"

Model: CH  
Spec. No. CHST01a

Lift Format		Lifting Rating Tonnes		Dimensions (mm)		Weight Kg	"Container Handler" Model
Stack	Spreader	SWL	AVG*	Height	Width		
ONE HIGH	6-metre	35/32**	27	7415	5000	12460	CH1-35-6m
	6/12m	32				16460	CH1-32-6/12m
TWO HIGH	6-metre	35/32**		9186		14660	CH2-35-6m
	6/12m	32		18660		CH2-32-6/12m	
THREE HIGH	6-metre	33/32**		12233		16280	CH3-32-6m
	6/12m	30				20320	CH3-30-6/12m

\* AVG is a guideline for the average weight of containers handled, and relates to the build specification required.  
\*\*The SWL decreases to 32 Tonnes on the 6m spreader when the auxiliary chains are used to lift containers at the 12m bottom castings. The 6m chain rating is still 35 Tonnes.

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 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.

**Powerpack:** The powerpack contains a 50hp 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 an auxiliary beam. Each auxiliary beam is guided in its travel up and down by one pair of the masts. A side-shift mechanism is enclosed within each auxiliary beam. A toplift spreader is attached to the side-shift mechanisms. The toplift spreader attaches to the container to be lifted. The lift at each end is independently controlled. Safety locks are provided against hose failure.

**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.

**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 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. Each lifting system has its own levers to raise/lower and side-shift the load. A push-pull valve controls the application of the parking brake. Spreader functions are controlled and status indicated. 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

**4-wheel steering**  
**6/9/12 Spreader**  
**Lighter Duty Auxiliary Chains**  
**Enclosed / Conditioned Cab**

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