

# ISOLOADER

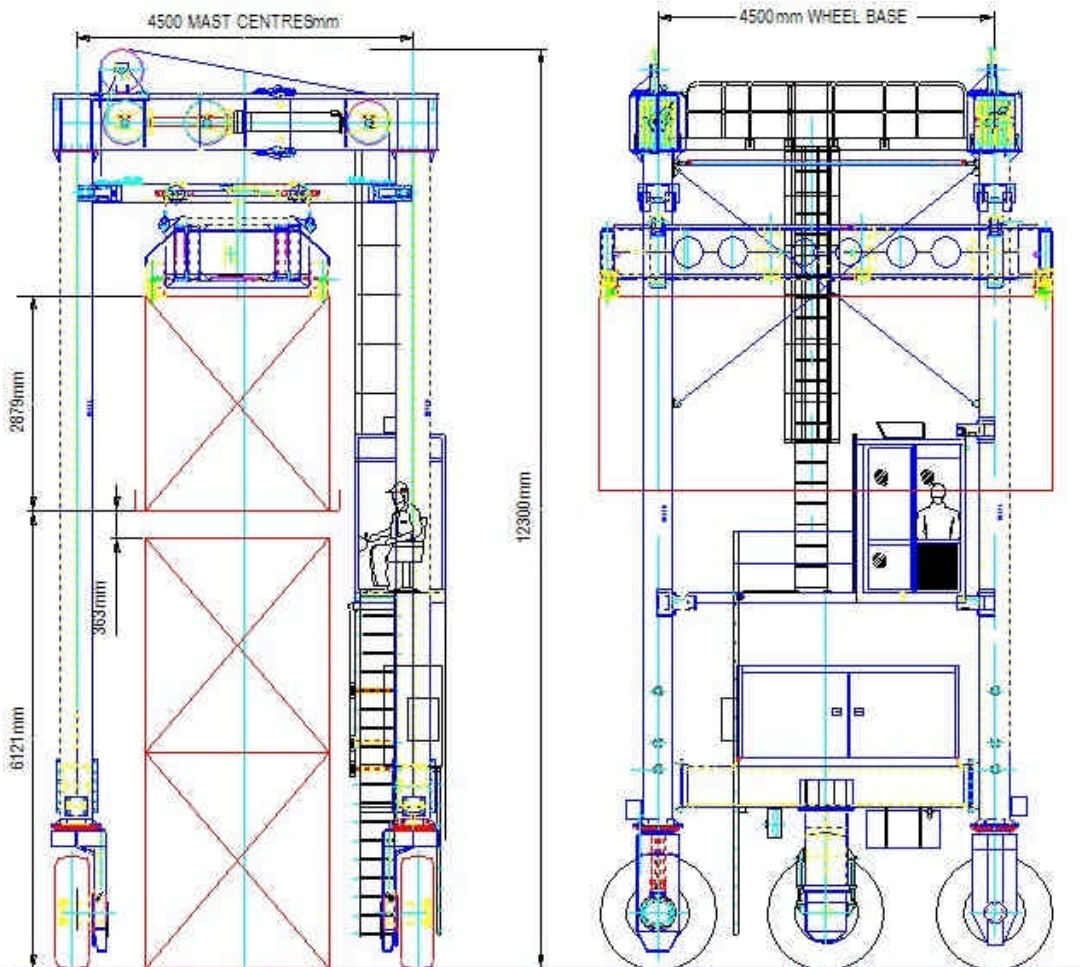
## "Transporter"

... to  
**40T**

Model: TR  
Spec. No. TRST01b



The "Transporter" is an economical solution when handling and transporting over 5000 containers per year in medium scale operations such as large transport yards, warehouses, and rail/port terminals. The faster lifting and long-travel speeds are used to decrease cycle times when longer distances are encountered within the duty cycle.



Lift Format		Lifting Rating Tonnes		Dimensions (mm)		Weight Kg	"Transporter" Model
Stack	Spreader	SWL	AVG*	Height	Width		
THREE HIGH	6/12m	35	27	12300	5200	31100	TR3-35-6/12m
	6/12m	35				33300	TR3-35-6/12m-6W
	6/12m	40				34050	TR3-40-6/12m-6W

\* AVG is a guideline for the average weight of containers handled, and relates to the build specification required. 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 4.2-5m 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.

#### 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 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 enclosed conditioned 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 steering wheel or joystick. Each lifting system has its own controls to raise/lower and side-shift the load. Braking is hydrostatic. A park brake is applied when the engine stops or when a brake switch is actuated. 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.

**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

**Warranty:** ISOLOADER's standard one-year product warranty.

**Design Basis:** SAA Industrial Truck Code - Part 1 - AS2359.1 1985.

**Shipping:** Shipped broken down for re-assembly on site.

**Contract Basis:** The SAA Conditions of Contract 2987 (1987) for the supply of equipment with or without installation form part of this proposal.

### Product Optional Extras:

**Reversing Beeper, Wheelguards, 6/9/12 Spreader Lighter Duty Auxiliary Chains, Special Spreader Attachments, Other specials**

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