

TRT™ Specifications

Features and Benefits

The TRT™ (Trac Rail Transposer) is a rubber tracked machine designed to remove and install all rail sections including but not limited to bull head, flat bottom rail and conductor rail.

The TRT™ can be used to re-position any length of plain line rail from 20ft (6m) up to 1418ft (432m) and can also be utilised to transport, remove and install any length of S&C associated iron work such as switches and crossings.

- Proven **ultra reliable** during **15 years** of operation.
- Approved to work under live **Overhead Line Equipment (OLE)**, **Any Line Open working (ALO)**, and Catenary.
- Removes, transposes, moves, and installs rail in a **safe, controlled, manner by remote control**.
- Ideal for use on both **single line and multiple line layouts**.
- Can **easily cross multiple tracks**, including areas with conductor rails, without fear of damaging the rail.
- Capable of threading rail past line side equipment and masts without fear of damage.
- Operates equally well in **confined spaces like tunnels and bridges**, where right-of-way is at a premium
- **Compact size** and **maneuverability** allows rapid deployment and recovery.
- Its low gross weight means **no Commercial Driver's License** is needed for transportation.

Fig. 01

TRT™ in operation, threading length of rail directly into sleeper housings.



Fig. 02

TRT™'s travelling with section of switch and crossing.

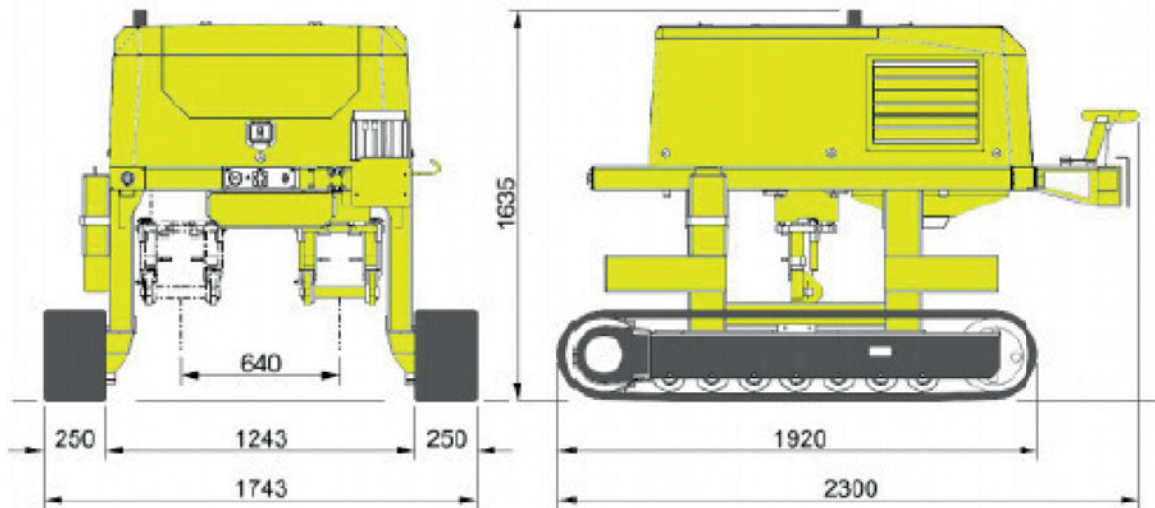


Machine Data	Imperial	Metric
Vehicle Height	65 in	1635 mm
Vehicle Width	69 in	1743 mm
Vehicle Length	91 in	2300 mm
Between Tracks	49 in	1243 mm
Vehicle Speed	1.2 mph	2.0 km/h
Vehicle Tare Weight	3090 lbs	1400 kg
Lift Capacity - Lift Ram	6600 lbs	3 t
Travel - Lift Ram Vert.	15.75 in	400 mm
Travel - Lift Ram Horz	3 12.6 in	3 320 mm
Lift Capacity - Rear Hoist	2200 lbs	1000 kg
Vibration (Hand)	<2.3 m/s ² , EAV of >10 hrs	
Noise Levels	<75 dB(A)@1M At Idle	
Noise Levels	<85 dB(A)@1M Under Load	

Hydraulic Data	Imperial	Metric
System Pressure	2175 psi	150 Bar
Pump Flow	15 gallon/min @ 2,300 rpm	57 Litres/min @ 2,300 rpm
Tank Capacity	8 US gallon	30 Litres
Hydraulic Oil	ISO VG 46 Synthetic Biodegradable	

Engine Data	Imperial	Metric
Engine Type	Kubota V1505-E4B	
Displacement	91in ³	1.5 Litre
Cylinders	4 In-Line	
Power Output	25 bhp @ 2,300 rpm	18.5 kW @ 2,300 rpm
Emissions	EU Stage V, Tier 4.	
Alternator	12 volt 40 amp	
Battery Capacity	Type 075 - 12V, 60 Ah	
Oil Type	10W-30	
Oil Capacity	1.8 US gallon	6.7 Litre
Coolant Capacity	1.1 US gallon	4.0 Litre
Coolant	50% Ethylene Glycol Anti-Freeze	
Fuel Tank - Diesel	9 US gallon	35 Litre

Dimensions



Attachments

We have a wide range of complimentary accessories for the TRT™ which reduce the number of additional tools and equipment required on site.

Recovery engine

This engine enables completion of the task and recovery of the vehicle from track locations.

Plough

Clears most ballast from either side of the track, on the sleeper ends.

Hydraulic tools

Versatile front-mounted connectors that power various hydraulic tools such as rail drills, impact wrenches and profile grinders.

TRT™ mounted jib

The jib attachment allows safe lifting of track furniture up to 990kgs in live OLE areas.

Switches & crossings

Unique S&C handling heads can move switches and crossings safely, from access to install.

Rail saw

A zero-emission, hydraulic, long arm saw designed to allow full use in a standing position, reducing fatigue and the risk of back injury.

Other accessories are available, please contact us for more information on the full range.

Fig. 03

TRT Ballast Plough.



Fig. 04

TRT Rail Cutting Saw.



Fig. 05

TRT Jib Crane.

