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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.

- Reliability of 99.7% proven during 15 years of operation on the UK network.
- Fully approved to work under Overhead Line Equipment (OLE).
- Removes, transposes, installs rail in a safe controlled manner.
- Ideal for use on both single line and multiple track layouts.
- Can easily cross multiple tracks including areas with conductor rails.
- Can operate in confined spaces such as tunnel, bridges and stations.
- Can be stored lineside to reduce need for demobilisation.

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 | Metric | Imperial |
|----------------------------|--|-----------|
| Vehicle Height | 1635 mm | 65 in |
| Vehicle Width | 1743 mm | 69 in |
| Vehicle Length | 2300 mm | 91 in |
| Between Tracks | 1243 mm | 49 in |
| Vehicle Speed | 2.0 km/h | 1.2 mph |
| Vehicle Tare Weight | 1400 kg | 3090 lbs |
| Lift Capacity – Lift Ram | 3 t | 6600 lbs |
| Travel - Lift Ram Vert. | 400 mm | 15.75 in |
| Travel - Lift Ram Horz | ± 320 mm | ± 12.6 in |
| Lift Capacity – Rear Hoist | 1000 kg | 2200 lbs |
| 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 | |

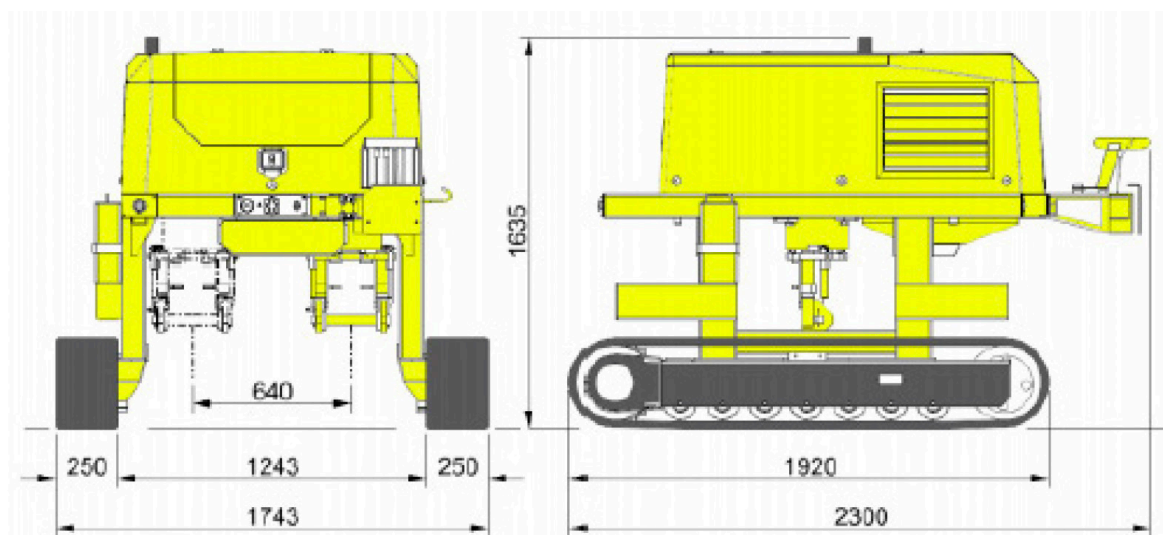
| Hydraulic Data | Metric | Imperial |
|-----------------|-----------------------------------|------------------------|
| System Pressure | 150 Bar | 2175 psi |
| Pump Flow | 57 Litres/min @ 2,300 rpm | 15 gal/min @ 2,300 rpm |
| Tank Capacity | 30 Litres | 8 US gal |
| Hydraulic Oil | ISO VG 46 Synthetic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

| Engine Data | Metric | Imperial |
|--------------------|---------------------------------|--------------------|
| Engine Type | Kubota V1505-E4B | |
| Displacement | 1.5 Litre | 91in ³ |
| Cylinders | 4 In-Line | |
| Power Output | 18.5 kW @ 2,300 rpm | 25 bhp @ 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 | 6.7 Litre | 1.8 US gal |
| Coolant Capacity | 4.0 Litre | 1.1 US gal |
| Coolant | 50% Ethylene Glycol Anti-Freeze | |
| Fuel Tank – Diesel | 35 Litre | 9 US gal |



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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.

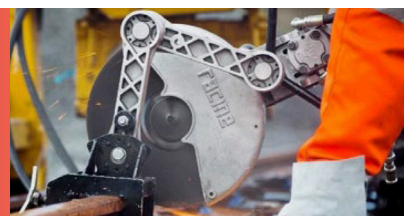


Fig. 05

TRT Jib Crane.

