

Chassis

The chassis is constructed of heavy-duty profiles and welded steel plates ribbed and stiffened to withstand all operational and travelling stresses. The chassis is mounted on 3.75m (12'-4") centre heavy-duty tracks, with dog lead operational facility.

Belt Feeder

The belt feeder into the crusher is fitted with a 1200mm wide heavy duty 4 ply grade 'X' belt which runs on full length 4 roll impact roller sets. The conveyor is driven through a flexible coupling and high torque reduction gear at the rubber lagged top end drum. The heavy duty hopper mounted on top of the conveyor is capable of being rear loaded by a shovel and is ribbed and stiffened to withstand impact from the feed source. Full length replaceable 15mm skirting is fitted to the hopper to prevent any spillage and smooth material flow. The feed-in canopy is fully lined and can be easily accessed through a removeable hood where any essential maintenance can be carried out.

Crusher unit

The RK1412 crusher unit is fitted with four hammers, 1000mm (39.375") wide. It has a feed opening of 1000 x 550mm (40" x 22") and a rotor diameter of 1200mm (47"). There is one adjustable apron and a final bar carrier which can be adjusted from 4 to 80mm (3/16" to 3") depending on material feed size and reduction required. Both the apron and the bar carrier are hydraulically adjustable as standard. It is driven through 8 V-Belts and the chamber can be easily accessed by hydraulic control lever. There is a lined deadbox fitted under the crusher to allow easy flow of material onto the product conveyor.

Product Conveyor

The product conveyor is fitted with a 1000mm (40") heavy duty 4 ply belt and runs on heavy duty troughing rollers, impact bars are fitted under the crusher to give the belt full support at the crusher exit. The conveyor is driven hydraulically through a flexible coupling and high torque reduction gear at the rubber lagged top end drum.

Power Unit

The diesel engine is a Caterpillar C9 Tier III power pack and the crusher is driven through a heavy duty Twin Disc IBF 314 (3 plate) PTO. The pulley on the clutch can be easily changed to alter the rotor speed. The tracks, conveyors and rams are all driven hydraulically through pumps fitted to the engines auxiliary drives.

Catwalks and Guards

All relevant catwalks, handrails and guards are fitted to this machine allowing access to all relevant maintenance points. Emergency stops are fitted to all necessary points. The machine carries the European CE mark and therefore complies with all Essential Safety Requirements.

Hydraulic Tank Capacity

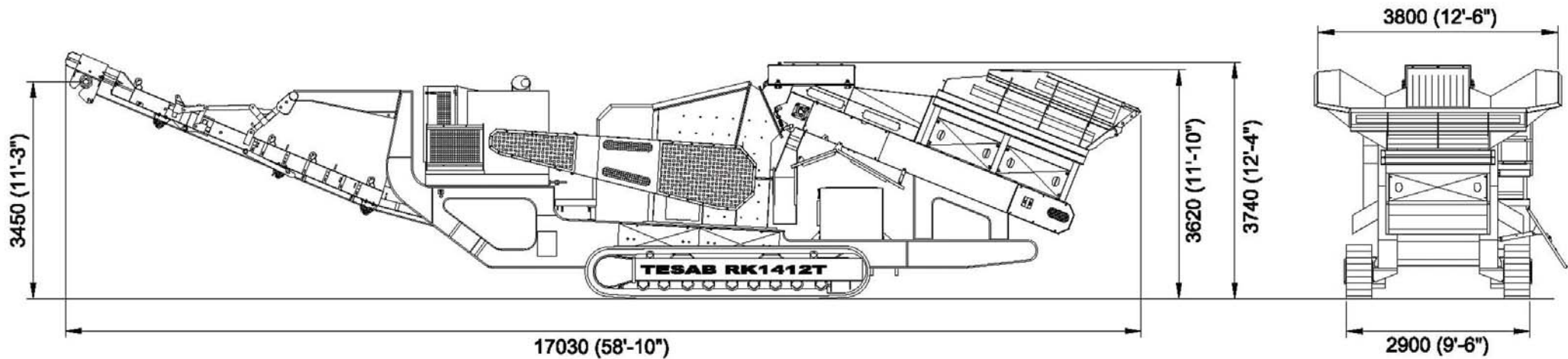
500 litres (110 gallons – 132 US gallons)

Diesel Tank Capacity

1150 litres (255 gallons – 306 US gallons)

Options

- Hydraulic clutch
- Caterpillar Tier III C13 Powerpack with 21 KPTO
- Autolube
- Metal detector and picking platform
- Magnet
- Belt Scales
- Dust Suppression Spray Bars
- other options available upon request

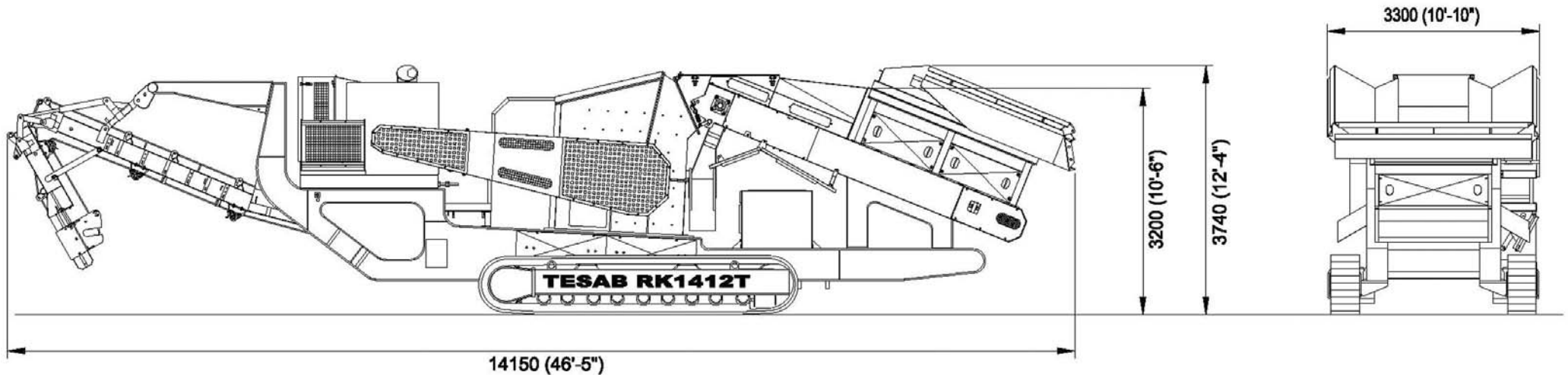


Working Details

LENGTH:	17030mm (55' 10")
HEIGHT:	3740mm (12' 4")
WIDTH:	3800mm (12' 6")
WEIGHT:	45,000kg (99,200 lbs)

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Transport Details

LENGTH:	14150mm (46' 5")
HEIGHT:	3740mm (12' 4")
WIDTH:	3300mm (10' 10")
WEIGHT:	45,000kg (99,200 lbs)

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