



CRUSHERS . SCREENERS . BULK HANDLING

**Technical Specification**  
**1412T with CAT C13-T3 Engine**

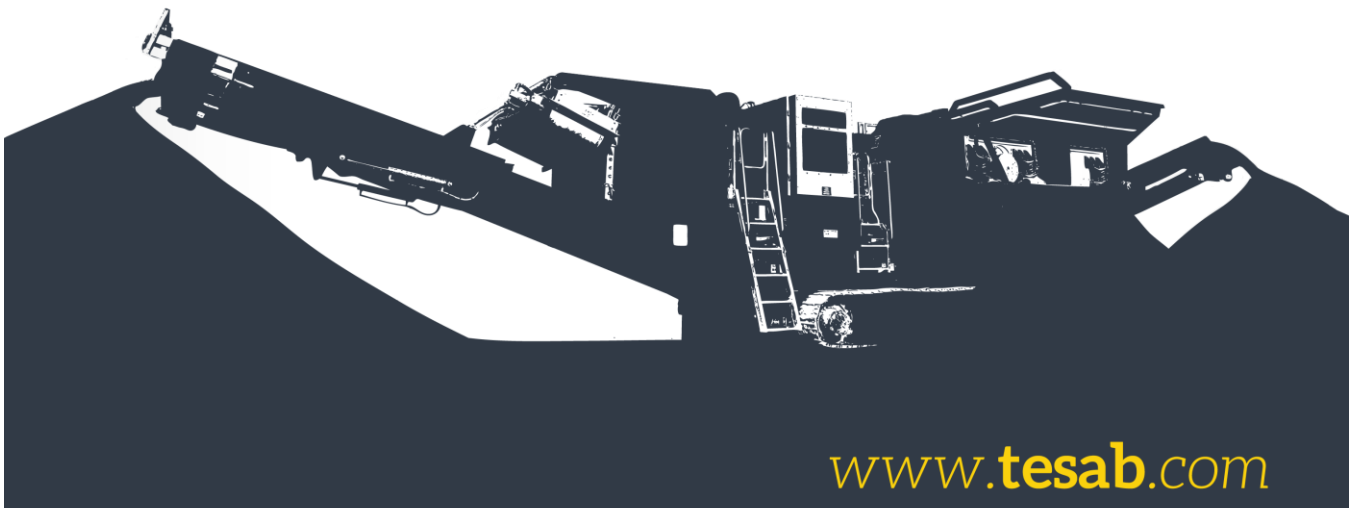
# **1412T**

## **MOBILE IMPACT CRUSHER**

**with CAT C13-T3 Engine**

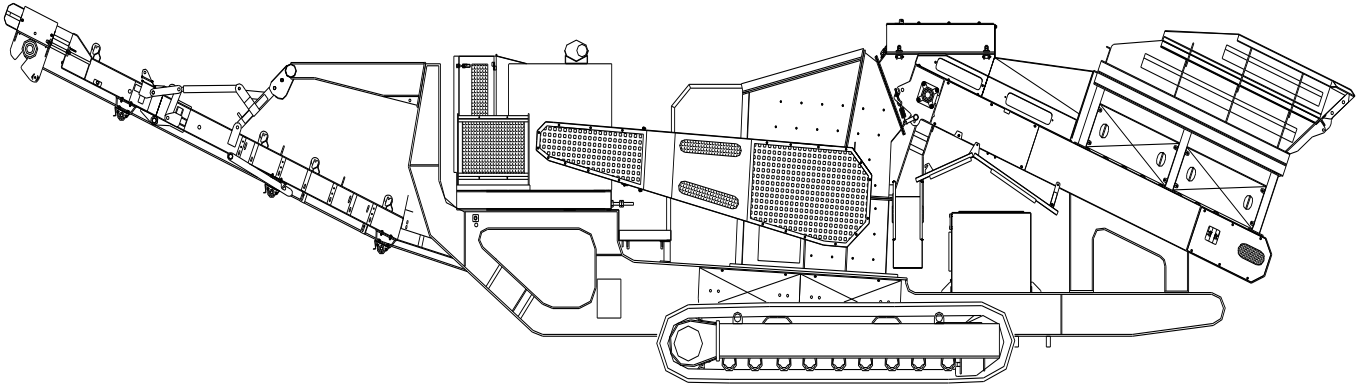
# **TECHNICAL SPECIFICATION**

**Subject to change without notice.**



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*Engineered for Power, Built to Last*



## **DESCRIPTION:**

Self Contained Mobile Impact Crusher with the following features:

- 440Hp CAT C13 Tier III Diesel Engine.
- Heavy Duty Horizontal Shaft Rotor.
- 1000mm x 625mm (39" x 24") Crusher Feed Opening.
- Hydraulically Adjustable Apron and Bar Carrier.
- Hydraulically Opening Crusher Body.
- Transfluid 21 KPTO Hydraulic Clutch.
- Variable Speed Control on the Feed Conveyor.
- 1000mm Wide Hydraulically Folding Product Conveyor.
- 1200mm Wide Feed Conveyor.
- 400mm Wide Crawler Tracks.
- Heavy Duty Hopper.
- Fast on Site setup Time – 15 Minutes.

## **DIMENSIONS AND WEIGHT:**

- |                                 |                           |
|---------------------------------|---------------------------|
| • Length – Transport:           | - 15.1m (49' 6")          |
| • Length – Working:             | - 17.03m (55' 10")        |
| • Width – Transport:            | - 3.2m (10' 5")           |
| • Width – Working:              | - 3.85m (12' 7")          |
| • Height – Transport:           | - 3.56m (11' 8")          |
| • Weight – Estimated: (1412T)   | - 42,700 Kgs (94,137 Lbs) |
| • Weight – Estimated: (1412TCC) | - 44,700 Kgs (98,546 Lbs) |

**NOTE:** The weights and dimensions stated here are given for a standard machine only. Optional extras fitted to the machine and/or transportation laws in force in various countries, may alter the transportation weight and dimensions of the machine.

**HOPPER:**

- Hopper Length: - 4500mm (14' 9")
- Hopper Width: - 3800mm (12' 5")
- Hopper Capacity: - 6m<sup>3</sup> (7.85yd<sup>3</sup>)
- Shroud: - YES
- Feed in Height (Hopper Sides Removed): - 2.4m (7' 10")
- Feed in Height (Hopper Folded): - 2.75m (9')
- Feed in Height (Hopper Fully Extended): - 3.0m (9' 10")

**FEED CONVEYOR:**

- Belt Width: - 1200mm (48")
- Belt Spec: - Plain EP500/3 8+2
- Drive Drum Dia: - 300mm (12")
- Tail Drum Dia: - 300mm (12")
- Gearbox: - Brevini
- Gearbox Ratio: - 1:18
- Gearbox Torque: - 3500 Nm cont
- Motor: - 130cc
- Max Flow Rate: - 85 Lpm (22.45 US Gpm)
- Variable Speed Control: - YES
- Belt Speed: - Factory set @ 48 M/min

**CRUSHER:**

- Feed Opening: - 1000mm x 625mm (39" x 24")
- Maximum Crusher Speed: - 750 Rpm
- Minimum Crusher Setting: - 15mm (0.6")
- Maximum Crusher Setting: - 100mm (4")
- Maximum Feed Size: - 300mm (12")
- Crusher Drive: - Direct Drive SPC V-Belt 8off
- Hydraulic Crusher Adjustment: - YES (Middle Apron & Bar Carrier)
- Hammers: - 4 off
- Wear Plate Thickness: - 30mm
- Hydraulic Crusher Body Opening: - YES

**MAIN PRODUCT CONVEYOR:**

- Discharge Height: - 3431mm (11' 3")
- Belt Width: - 1000mm (40")
- Belt Spec: - Plain EP500/3 5+1.5
- Drive Drum Dia: - 323mm (12.6")
- Tail Drum Dia: - 323mm (12.6")

- Gearbox: - Comer
- Gearbox Torque: - 3340 Nm cont
- Gearbox Ratio: - 1:6.3
- Motor: - Hydra 130cc
- Max Flow Rate: - 85Lpm (22.45 US Gpm)
- Belt Speed : - Factory set @ 110 M/min

## **POWER UNIT AND HYDRAULICS:**

- Engine: - CAT C13 TA (TIER III)
- Engine Power: - 328Kw - 440 HP
- Engine Speed: - 1800 Rpm
- Main Flywheel Pump: - DBH 5063 (63cc/63cc) Tandem Pump 1off
- Auxiliary Pump: - 22cc
- Clutch: - Transfluid 21 KPTO
- Crusher Drive Pulley: - SPC 375 x 8
- Diesel Tank Capacity: - 800 Ltrs (176 US Gal)
- Hydraulic Tank Capacity: - 800 Ltrs (176 US Gal)
- Hydraulic Oil Cooler: - YES
- Hydraulic Clutch Oil Cooler: - YES

## **ELECTRICS**

- Chassis Cabling: - SWA Cable
- Emergency Stops: - 4 off, 2 @ Rear Chassis LH & RH Sides  
2 @ Front Chassis LH & RH Sides
- Start Siren: - YES – 10 Second Delay
- Warning Beacon: - YES
- Tracking Siren: - YES – 10 Second Delay
- Tracking Beacon: - YES
- Engine Shutdowns: - Low Oil Pressure  
- High Water Temp  
- Air Filter Blockage  
- Fuel Contamination
- Crusher Shutdowns: - Clutch Oil Temperature  
- Clutch Oil Pressure
- Radio Control Tracks: - OPTIONAL (Hetric) (Hetric)
- Pendant Track control: - YES

## TRACKS:

- Gearbox: - 711C3K
- Ratio: - 144:1
- Width: - 400mm (15.8")
- Length: - 4582mm (15')
- Height: - 816mm (32")
- Motor: - MAG85VP (85.9cc Max)
- Speed max: - 1.1 Kph (0.62 Mph)
- Flow Rate: - 115 Lpm (30.4 US Gpm)
- Gradeability: - 22.2°
- Max slope side to side: - 10°
- Attachment to Chassis: - Bolt On

## SAFETY FEATURES:

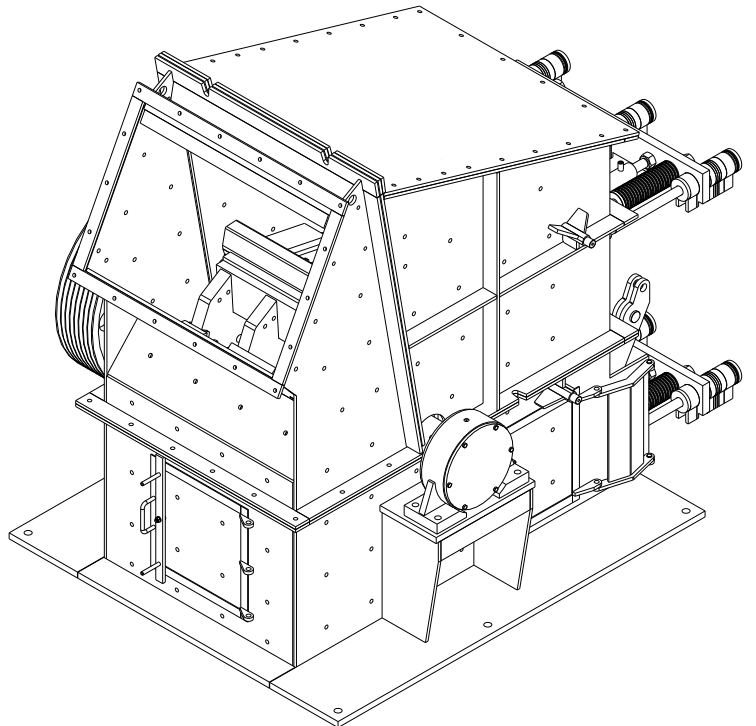
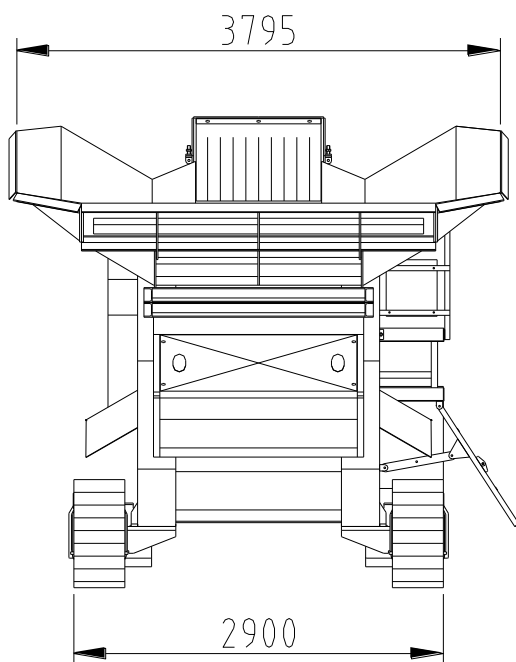
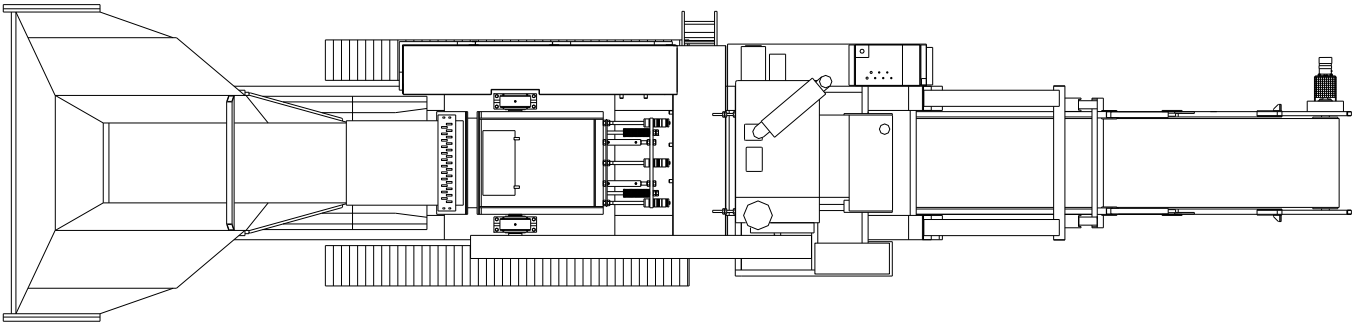
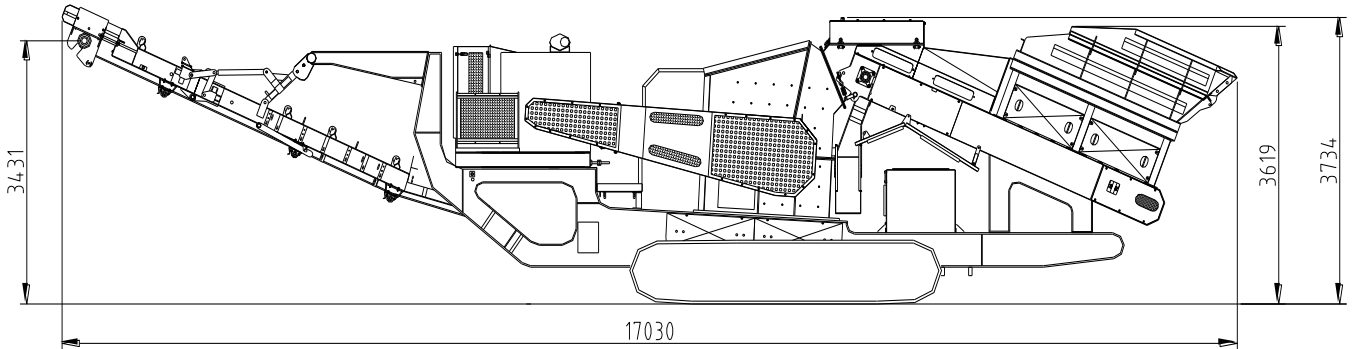
- Engine Safety Shutdown Systems
- Full Safety Guarding for Nip Points
- Key Switch Operated Tracking System
- 10 Second Start and Tracking Delays
- Easy Access Lubrication Points
- CE Compliance

## OPTIONS:

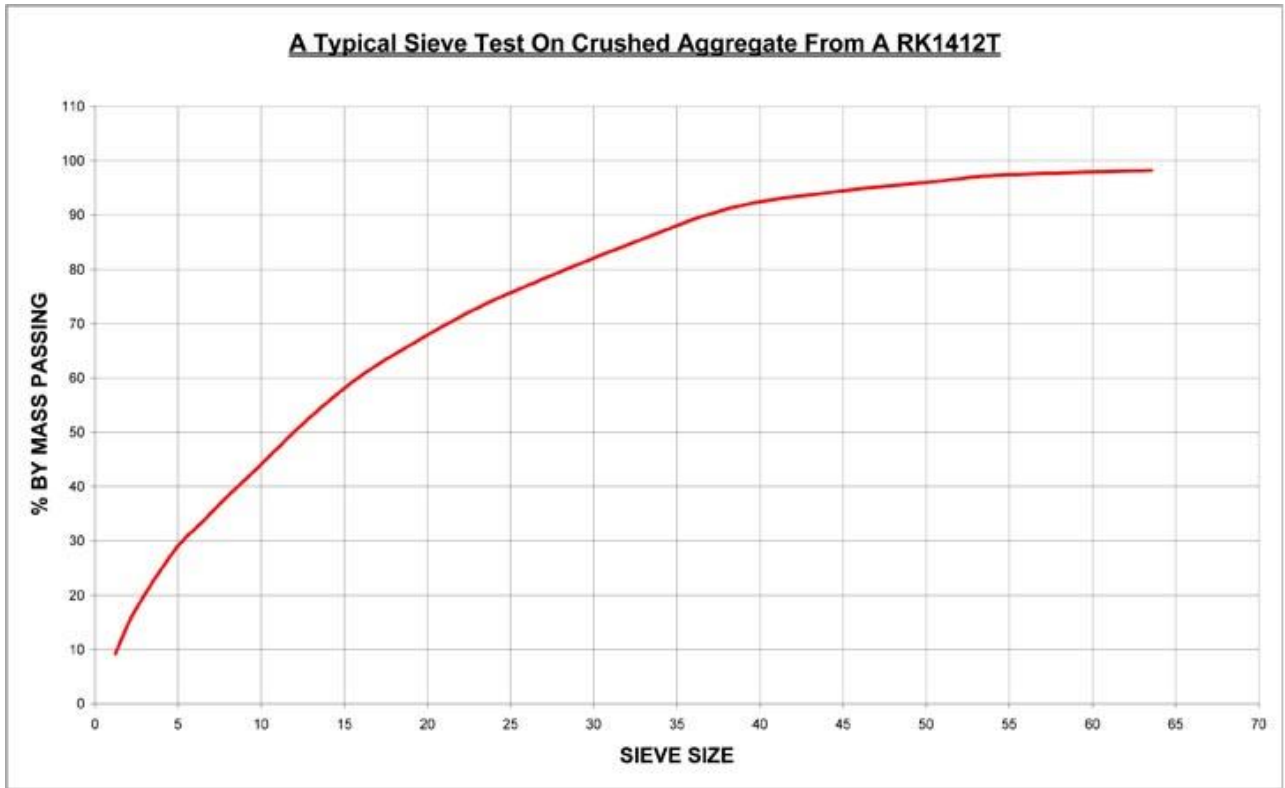
- Autolub System
- Closed Circuit Conveyor
- Crusher Speed Sensor and Automatic Feed Conveyor Shut Off System
- Radio Remote Control for Feed Conveyor
- Product Conveyor Magnet
- Metal Detector
- Picking Platform
- Scales
- Radio Remote Control for Tracks
- Conveyor Dust Covers
- Working Lights
- 68 Type Hydraulic Oil
- E-Stop Pull Wires

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**WORKING DIMENIONS:**



**SIEVE ANALYSIS:**



**NOISE LEVELS:**

1412TCC: NOISE LEVEL RATINGS  
'A' RATING at 2m, 6m & 12m

