



CRUSHERS . SCREENERS . BULK HANDLING

Technical Specification
1150TCP with CAT C13-T3 Engine

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MOBILE CONE CRUSHER

with CAT C13-T3 Engine

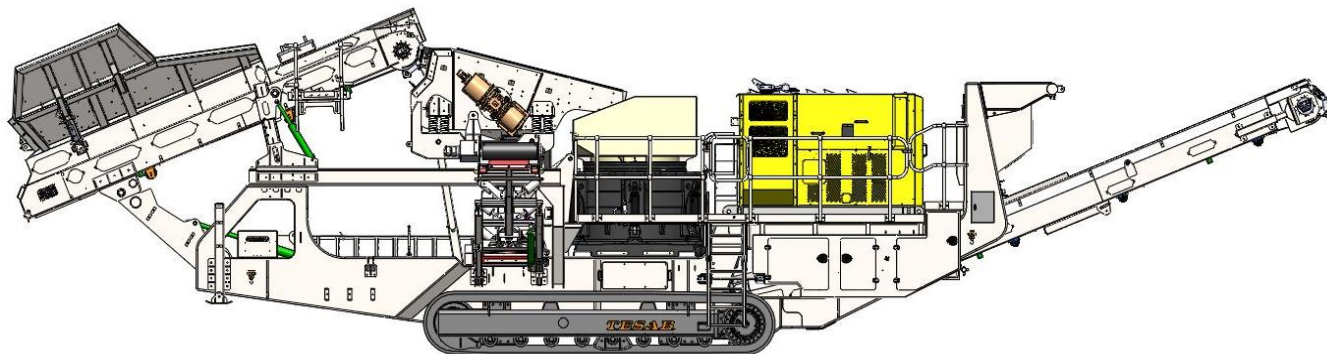
TECHNICAL SPECIFICATION

Subject to change without notice.



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Engineered for Power, Built to Last



DESCRIPTION:

Self Contained Mobile Cone Crusher with the following features:

- CAT C13 Tier III Diesel Engine.
- 1150mm (45") Heavy Duty Crusher.
- 1050mm (48") Wide Feed Conveyor Belt.
- 1050mm (41") Wide Hydraulic Raise/Lower Conveyor Belt.
- Choice of Concave Chamber Options.
- Feed Belt Under and Over Metal Detection System.
- Automatic Variable Feed System.
- 400mm Wide Crawler Tracks.
- Heavy Duty Hopper with Hardox Lining as standard
- Fast on Site setup Time – 10 Minutes.

DIMENSIONS AND WEIGHT:

- | | |
|---------------------------------------|----------------------------|
| • Length – Transport: | - 14.75 m (48' 5") |
| • Length – Working (Direct Feed): | - 14.8 m (48' 7") |
| • Length – Working (Pre-Screen Feed): | - 17.26 m (56' 8") |
| • Width – Transport: | - 3.0 m (9' 10") |
| • Width – Working: | - 6.0 m (19' 8") |
| • Height – Transport: | - 3.75 m (12' 4") |
| • Height – Working: | - 4.4 m (14' 5") |
| • Weight – Estimated: | - 45,780 Kgs (100,927 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: - 3300mm (10' 10")
- Hopper Width: - 2065mm (6' 9")
- Hopper Capacity: - 4.5m³ (5.9yd³)
- Spec: - Heavy Duty 6mm Plate + 8mm Hardox
- Supports: - Crosstie Support 1off

FEED CONVEYOR:

- Belt Width: - 1050mm (39")
- Belt Spec: - Plain EP500/3 8+2 (Grade X)
- Drive Drum Dia: - 356mm (14")
- Tail Drum Dia: - 275mm (10.8")
- Gearbox: - Brevini
- Gearbox Torque: - 6,500 Nm maximum static torque
- Gearbox Ratio: - 1:22.6
- Motor: - 100cc
- Max Flow Rate: - 75 Lpm
- Variable Speed Control: - YES Automatic
- Belt Speed : - Max of 37 M/min

CRUSHER:

- Crushing Ratio: - Up to 6:1
- Cone Diameter: - 1150mm (45")
- Input Shaft Speed: - 710 – 920 RPM
- Minimum CSS: - 18mm (0.7")
- Maximum CSS: - 40mm (1.6")
- Max Feed Size - 180mm (7")
- Crusher Drive: - Direct Drive
- Automatic CSS Adjustment: - YES
- Adjustment Available During Crushing: - YES
- Protection System: - Automatic Overload Release
- Magic Eye Height Sensor: - YES
- Single Mantle Size: - YES
- Weight - Estimated: - 12,200 kgs

PRE-SCREEN:

- Screen area Length x Width: - 1800 x 1300 mm (6' x 4')
- Screen Media - Side Tension Various mesh or punch plate
- Speed: - 750 - 950 RPM
- Wear Plates: - 6mm Hardox
- Motor: - Vibtec VHE10/5150
- Max Flow Rate: - 70 Lpm (18.5 US Gpm)
- Springs per corner: - 2 Springs

SIDE DIRT CONVEYOR:

- Discharge Height: - 2700mm (8' 10")
- Belt Width: - 600mm (24")
- Belt Spec: - Plain EP500/3 5+1.5
- Drive Drum Dia: - 220mm (8.6")
- Tail Drum Dia: - 220mm (8.6")
- Motor: - Char-Lynn 250cc
- Max Flow Rate: - 47.2 Lpm (12.5 US Gpm)
- Belt Speed: - Factory set @ 126 M/min

MAIN PRODUCT CONVEYOR:

- Discharge Height: - 3300mm (10' 10")
- Belt Width: - 1050mm (41")
- Belt Spec: - Plain EP630/4 6+2
- Drive Drum Dia: - 356mm (14")
- Tail Drum Dia: - 275mm (10.8")
- Motor: - XF10 Rotary Power
- Motor Torque: - 3,200 Nm maximum static torque
- Motor: - 1120cc
- Max Flow Rate: - 119 Lpm (31.44 US Gpm)
- Belt Speed: - Factory set @ 117 M/min

POWER UNIT AND HYDRAULICS:

- | | |
|----------------------------------|-------------------------|
| • Engine: | - CAT C13 TA (TIER III) |
| • Engine Power: | - 328Kw - 440 HP |
| • Engine Speed: | - 1800 Rpm |
| • Main Flywheel Pump 1: | - 52cc/31cc Tandem Pump |
| • Main Flywheel Pump 2: | - 52cc/21cc Tandem Pump |
| • Auxiliary Pump: | - 27cc/27cc Tandem Pump |
| • Clutch: | - PT Tech |
| • Crusher Drive Pulley: | - SPC 335 x 8 |
| • Diesel Tank Capacity: | - 750 Ltrs (176 US Gal) |
| • Hydraulic Tank Capacity: | - 880 Ltrs (233 US Gal) |
| • Hydraulic Oil Cooler: | - YES |
| • Lubrication System Oil Cooler: | - YES |

TRACKS:

- | | |
|---------------------------|-------------------------|
| • Gearbox: | - 711 C3B |
| • Ratio: | - 144:1 |
| • Width: | - 400mm (15.8") |
| • Length: | - 4594mm (15' 1") |
| • Height: | - 816mm (32") |
| • Motor: | - MSI108cc |
| • Speed max: | - 0.9 Kph (0.56 Mph) |
| • Flow Rate: | - 120 Lpm (31.7 US Gpm) |
| • Gradeability: | - 33.3° |
| • Max slope side to side: | - 10° |
| • Attachment to Chassis: | - Bolt On |

ELECTRICS

- | | |
|------------------------------------|---|
| • Operating System: | - MPROS |
| • Chassis Cabling: | - SWA Cable |
| • Emergency Stops: | - 7 off, 1 @ Control Console
2 @ Power Unit LH & RH Sides
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 Safety Shutdown Systems: | - YES Various |
| • Crusher Safety Shutdown Systems: | - YES Various |

- Crusher Load Sensor: - YES
- Metal Detection System: - YES
- Automatic Feeder Shut Off System: - YES
- Automatic Pre-Screen Mode Detection: - YES
- Radio Control Tracks: - OPTIONAL (Hetronic)
- Pendant Track control: - YES

SAFETY FEATURES:

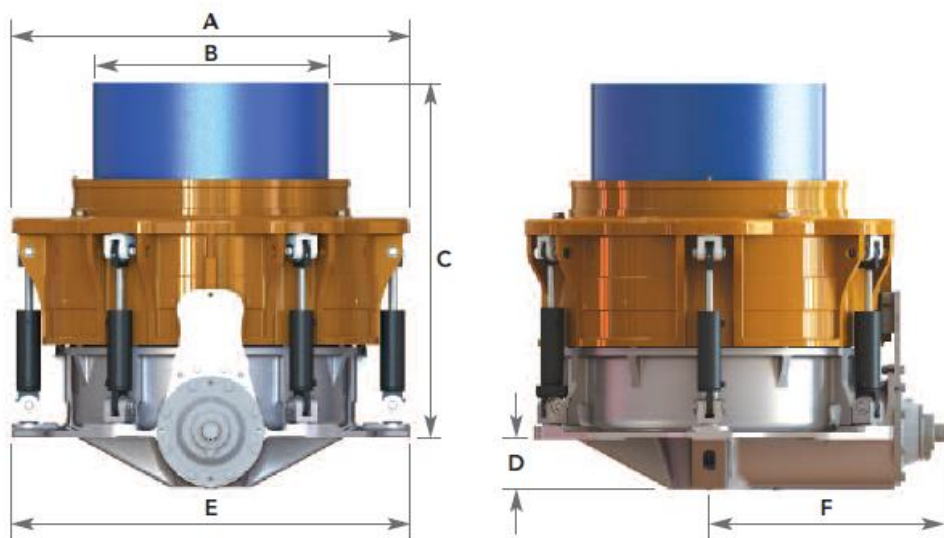
- Engine Safety Shutdown Systems
- Full Safety Guarding for Nip Points
- Crusher Overload Protection Systems
- Key Switch Operated Tracking System
- 10 Second Start and Tracking Delays
- Easy Access Lubrication Points
- CE Compliance

OPTIONS:

- Variable Concave Sizes
- Autolub System
- Scales
- Radio Remote Control for Tracks
- Conveyor Dust Covers
- Working Lights
- Hopper Extensions
- Dust Suppression
- 68 Type Hydraulic Oil
- E-Stop Pull Wires

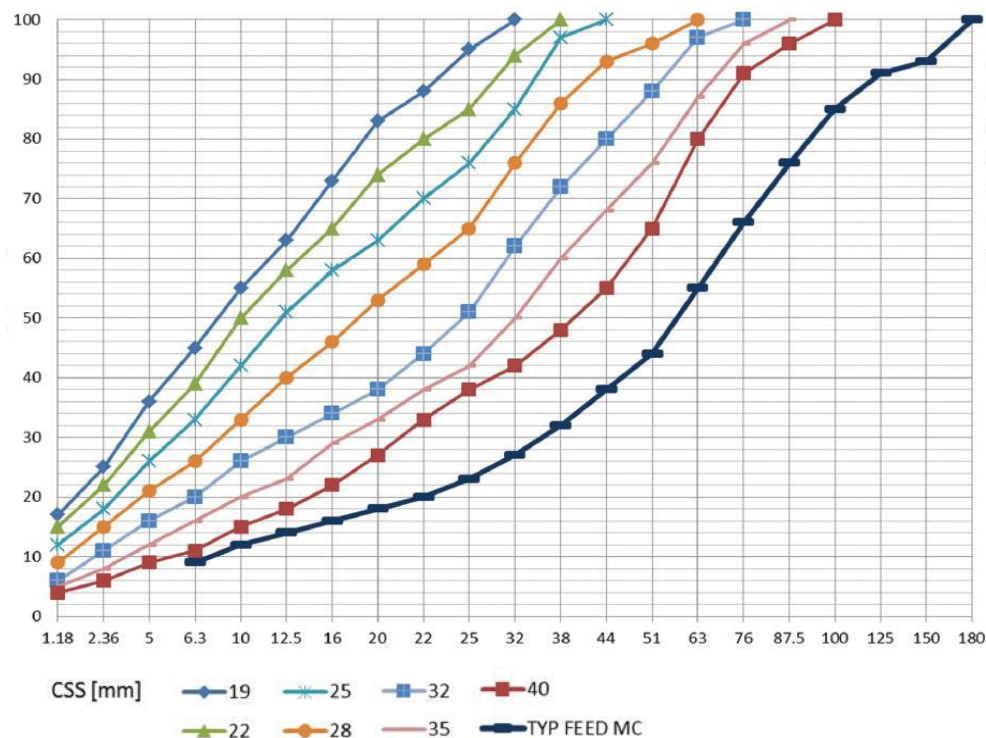
NOTE: Fitting optional extras to this machine may increase the manufacturing lead time.

CONE DIMENSIONS:



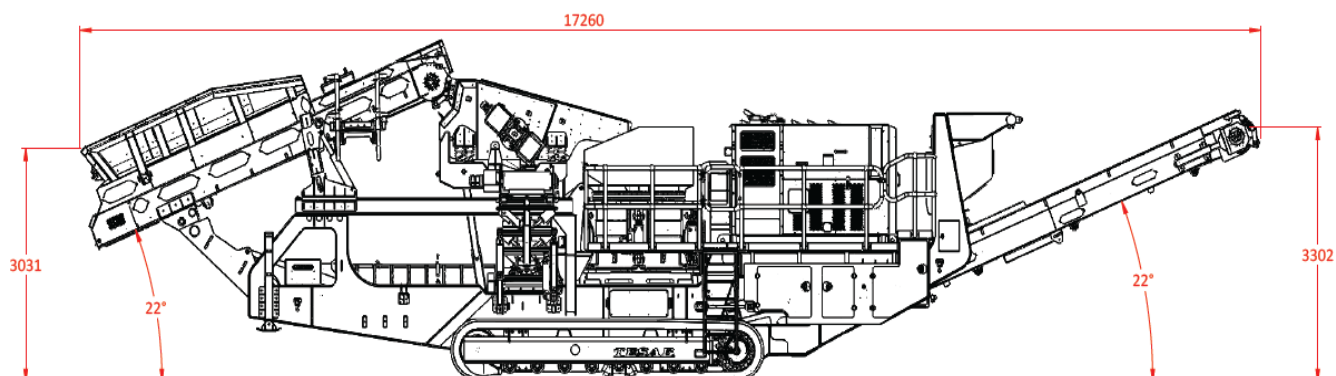
Dimensions	1150TC
A	2000mm
B	1150mm
C max:	1880mm
min:	1652mm
D	191mm
E	1962mm
F	1253mm

TYPICAL PERFORMANCE:

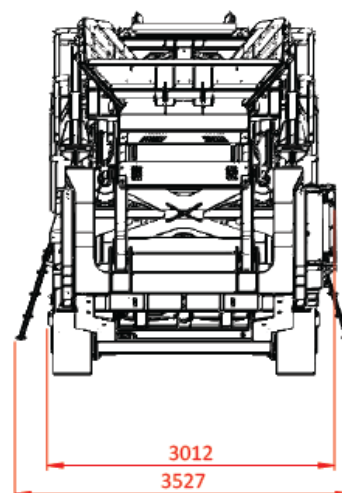
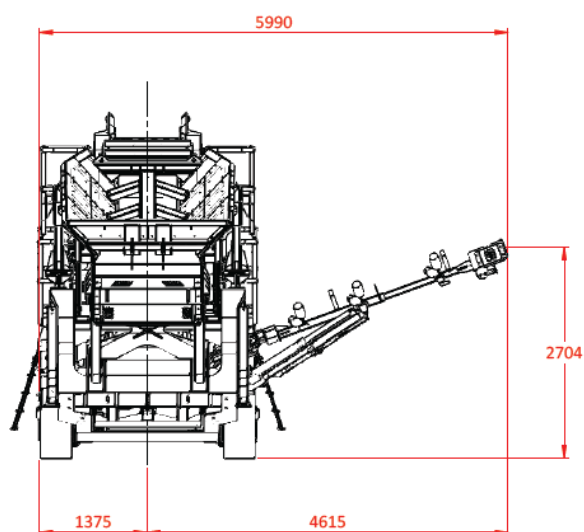
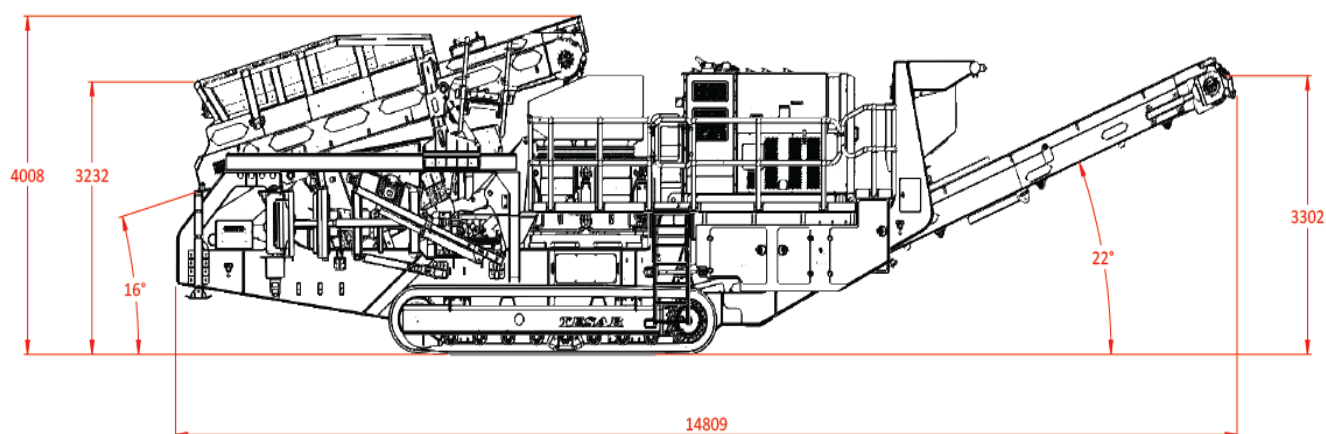


CSS mm	Approx. Output (TPH)
18	135-150
22	145-190
25	150-200
28	160-210
32	165-225
35	170-230
40	175-240

WORKING DIMENIONS – PRE-SCREEN MODE:



WORKING DIMENIONS - DIRECT FEED MODE:



TRANSPORT DIMENSIONS:

