



NCSA Heavy Equipment

Contract 24-08-0421

Item Number: 903

Model Number: 700i

Group: Crushing Equipment

Make: Tesab

MSRP: \$761,025.00

Model: Jaw

Discount 6%: (\$45,661.50)

Total Net Price: \$715,363.50

Price Does Not Include Freight

Commonwealth Equipment * 36 Hazleton St * Ashley PA 18706

Phone: 877-217-4474 * commonwealthequipment.com

MST03282023



CRUSHERS. SCREENERS. BULK HANDLING

Technical Specification
700i with CAT C7.1-T4 Engine

700i

MOBILE JAW CRUSHER

With CAT C7.1 Tier IV Engine

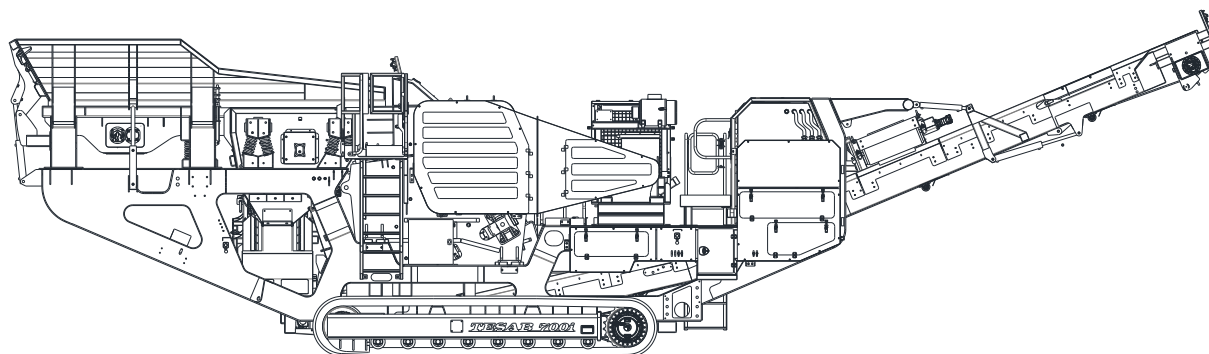
TECHNICAL SPECIFICATION

Subject to change without notice.



www.tesab.com

Engineered for Power, Built to Last



DESCRIPTION:

Self-Contained Mobile Jaw Crusher with the following features:

- 300Hp CAT C7.1 Tier 4 Diesel Engine
- Transfluid 19 KPTO Clutch
- Heavy Duty Single Toggle Jaw Crusher
- 1050mm x 700mm (41" x 28") Crusher Feed Size
- 1550mm (61") Crusher Jaws
- Hydraulically Adjustable Jaws with safety release
- Integrated Hydraulic Linear Drive Primary Feeder
- 2 Deck Independent Scalping Feeder
- Variable Speed Control on Feeders
- 1200mm Wide Hydraulically Folding Product Conveyor
- 400mm Wide Crawler Tracks
- 2 Way Dirt Chute
- Feeder Remote Control
- Recycling Picking Platform
- Fast on Site setup Time – 20 Minutes.
- Magnet Option
- Hydraulically Folding & Locking Hopper
- Hydraulically Folding Short Dirt Conveyor

DIMENSIONS AND WEIGHT:

- | | |
|-----------------------|---------------------------|
| • Length – Transport: | - 16.45m (53'- 11") |
| • Length – Working: | - 16.12m (52'- 11") |
| • Width – Transport: | - 3.26m (10'- 8") |
| • Width – Working: | - 4.65m (15'- 4") |
| • Height – Transport: | - 3.48m (11'- 5") |
| • Weight: | - 47,420kgs (104,534 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.

CRUSHER:

- Feed Opening: - 1050mm x 700mm (3' - 5" x 2' - 4")
- Jaw Length: - 1550mm (61")
- Maximum Crusher Speed: - 288 Rpm
- Bearings: - Self Aligning Spherical Roller Bearings
- Minimum Crusher Setting: - 75mm (3")
- Maximum Crusher Setting: - 150mm (6")
- Max Feed Size: - 700mm (28")
- Crusher Drive: - Direct Drive SPC V-Belt 8off
- Hydraulic Crusher Adjustment: - YES
- Overload Protection System: - YES
- Overfill Protection: - YES
- Crusher Speed Sensor: - YES

MAIN PRODUCT CONVEYOR:

- Discharge Height: - 3800mm (12' 5") @ 22 deg
- Belt Width: - 1200mm (48")
- Belt Spec: - Plain EP630/4 6+2
- Drive Drum Dia: - 300mm (12")
- Tail Drum Dia: - 250mm (10")
- Gearbox: - Comer
- Gearbox Torque: - 3340 Nm
- Gearbox Ratio: - 6.3:1
- Motor: - Hydra 130cc
- Max Flow Rate: - 85Lpm (22.45 US Gpm)
- Belt Speed : - Factory set @ 100 M/min

SIDE DIRT CONVEYOR:

- Discharge Height: - 2200mm (7' 3")
- Optional Telescopic Conveyor - 2880mm (9' 5")
- Belt Width: - 650mm (26")
- Belt Spec: - Plain – 500/3
- Drive Drum Dia: - 220mm (8.6")
- Tail Drum Dia: - 220mm (8.6")
- Motor: - Char-Lynn 250cc Motor
- Flow Rate: - 36 Lpm (9.51 US Gpm)
- Belt Speed: - Set at 100 M/min

POWER UNIT AND HYDRAULICS:

- Engine: - CAT C7.1 Tier 4 (Stage 5)
- Engine Power: - 300Hp - 225 Kw
- Engine Speed: - 1800 Rpm
- Main Pump: - 63/63 Tandem
- Auxiliary Pump: - 43/22/20 Triple
- Clutch: - Transfluid 19 KPTO
- Crusher Drive Pulley: - SPC 224 x 8
- Diesel Tank Capacity: - 750 Ltrs (165 US Gal)
- Hydraulic Tank Capacity: - 900 Ltrs (198 US Gal)
- Hydraulic Oil Cooler: - YES
- Hydraulic Clutch Oil Cooler: - YES

PRIMARY FEEDER:

- Feeder Type: - Integrated Hydraulic Linear Plate Feeder
- Feeder Length: - 2.6m (8' - 6")
- Feeder Width: - 1000mm (3' - 3")
- Vibrating Unit: - Twin Shaft Geared Design
- Drive System: - Hydraulic Drive
- Feeder Motor: - Eaton (32.9cc/Rev)
- Max Hydraulic Flowrate: - 32 Lpm (8.45 US Gpm)
- Variable Feeder Speed: - YES
- Max Feeder Shaft Speed: - 0 - 960 Rpm (max speed)
- Remote Control Start/Stop: - YES

SCALPING FEEDER:

- Feeder Screen Dimensions - Top Deck: - 1.75 x 1.06m (5' 9" x 3' 5")
- Feeder Screen Type - Top Deck: - 3" Stepped Deck Grizzly
- Tensioning – Top Deck: - Bolted
- Feeder Screen Dimensions - Bottom Deck: - 1040mm x 1015m (3'-5" x 3'-4")
- Feeder Screen Type - Bottom Deck: - Weld mesh - 1 off
- Feeder Motor: - Ronzio 64cc/Rev
- Drive System: - Direct Drive with Flexible Coupling
- Max Hydraulic Flowrate: - 85 Lpm (22.45 US Gpm)
- Variable Feeder Speed: - Yes
- Feeder Shaft Speed: - 0 - 1150 Rpm (max speed, factory set)
- Remote Control Start/Stop: - Yes



CRUSHERS. SCREENERS. BULK HANDLING

Technical Specification 700i with CAT C7.1-T4 Engine

HOPPER:

- Hopper Length: - 4900mm (16'-0")
- Hopper Width: - 2840mm (9'-4")
- Hopper Capacity: - 10m³ (13yd³)
- Spec: - Heavy duty 15mm thick plate
- Folding: - Hydraulic ram folding and locking wedges

TRACKS:

- Gearbox: - 711C3K
- Ratio: - 144:1
- Width: - 400mm (15.8")
- Sprocket/Idler crs: - 3800mm (12'-6")
- Height: - 816mm (32")
- Motor: - MAG85 (85.9cc Max)
- Speed max: - 0.8 Kph (0.5 Mph)
- Flow Rate: - 91 Lpm (24 US Gpm)
- Gradeability: - 22.2°
- Attachment to chassis: - Bolt On

ELECTRICS

- Operating System: - MPROS
- Chassis Cabling: - SWA Cable
- Emergency Stops: - 8 off, 1 @ Powerunit
 - 1 @ Main Control Panel
 - 1 @ Upper Catwalk
 - 1 @ Middle Catwalk
 - 2 @ Rear Chassis LH & RH Sides
 - 1 @ Toolbox LH Side
 - 1 @ Control Console RH Side
- 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
 - Low Hydraulic Tank Level
- Crusher Shutdowns: - Clutch Oil Temperature
 - Clutch Oil Pressure
 - Hydraulic Oil Temperature

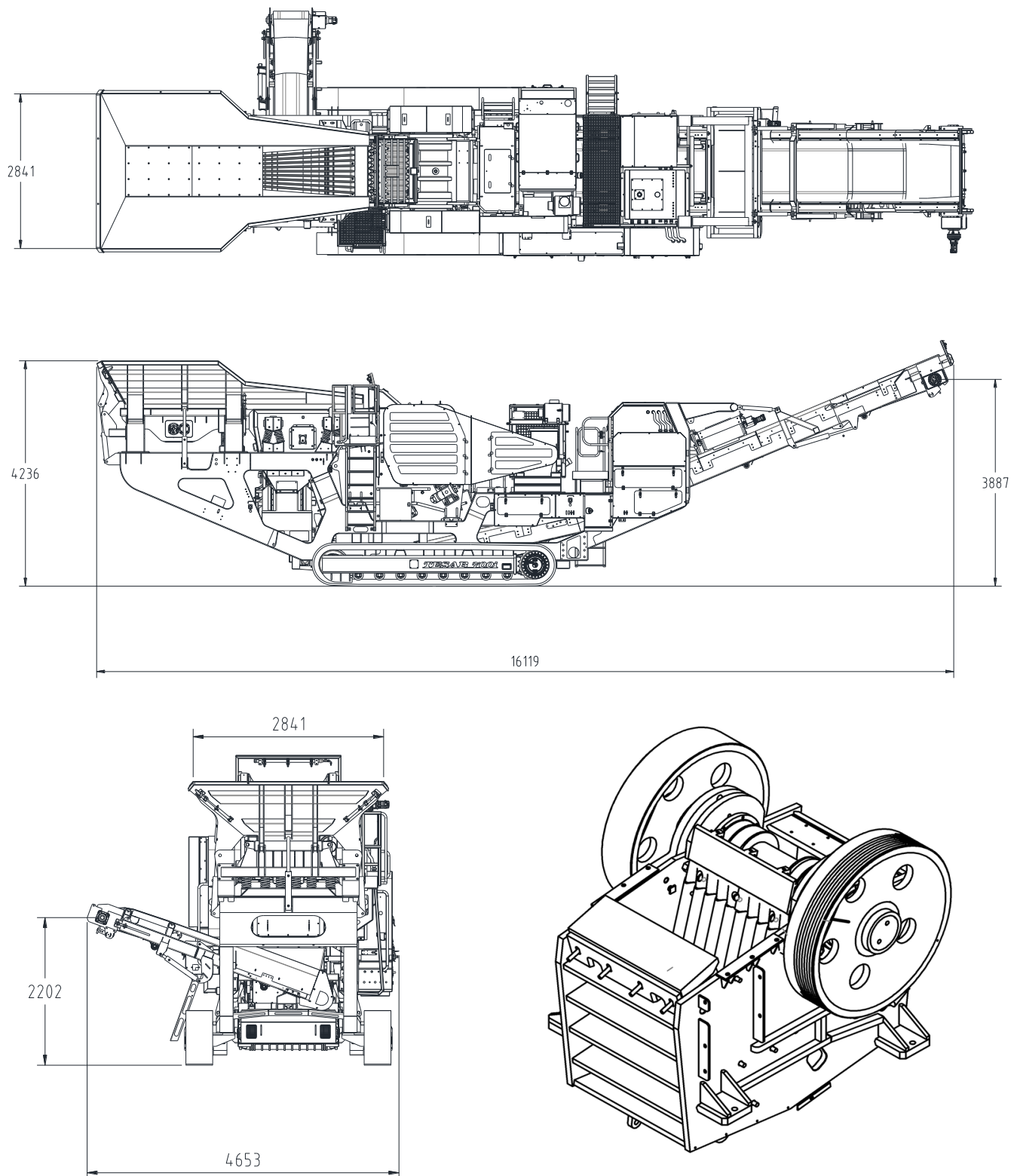
- Crusher Overfill Detection: - YES
- Crusher Speed Sensor: - YES
- Automatic Feeder Shut Off System: - YES
- Product Conveyor Tail Lift Detection: - YES
- Remote Control Feeder: - YES
- Radio Control Tracks: - OPTIONAL (Hetronic)
- Pendant Track control: - YES

SAFETY FEATURES:

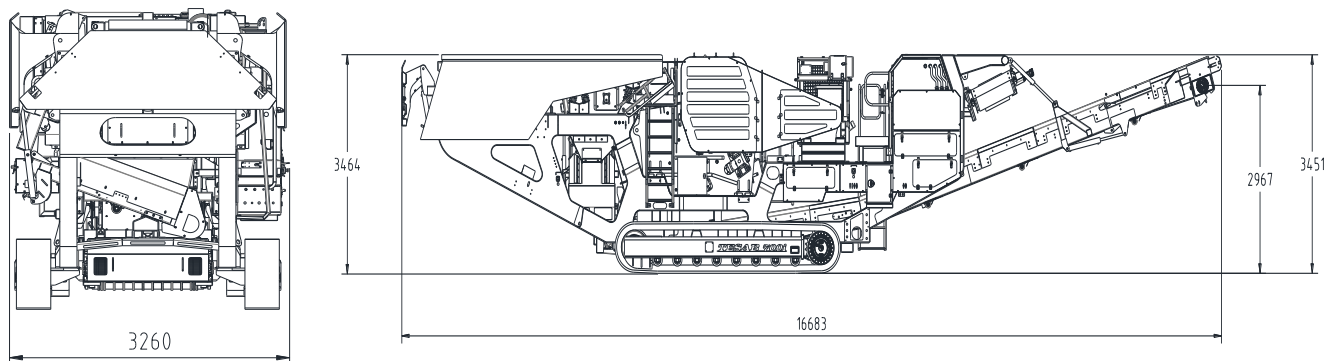
- Engine Safety Shutdown Systems
- Full Safety Guarding for Nip Points
- Crusher Speed and Overfill Protection Systems
- Key Switch Operated Tracking System
- 10 Second Start and Tracking Delays
- Easy Access Lubrication Points
- CE Compliance

NOTE: Fitting optional extras to this machine may increase the manufacturing lead time and alter the weight and transport dimensions of the machine.

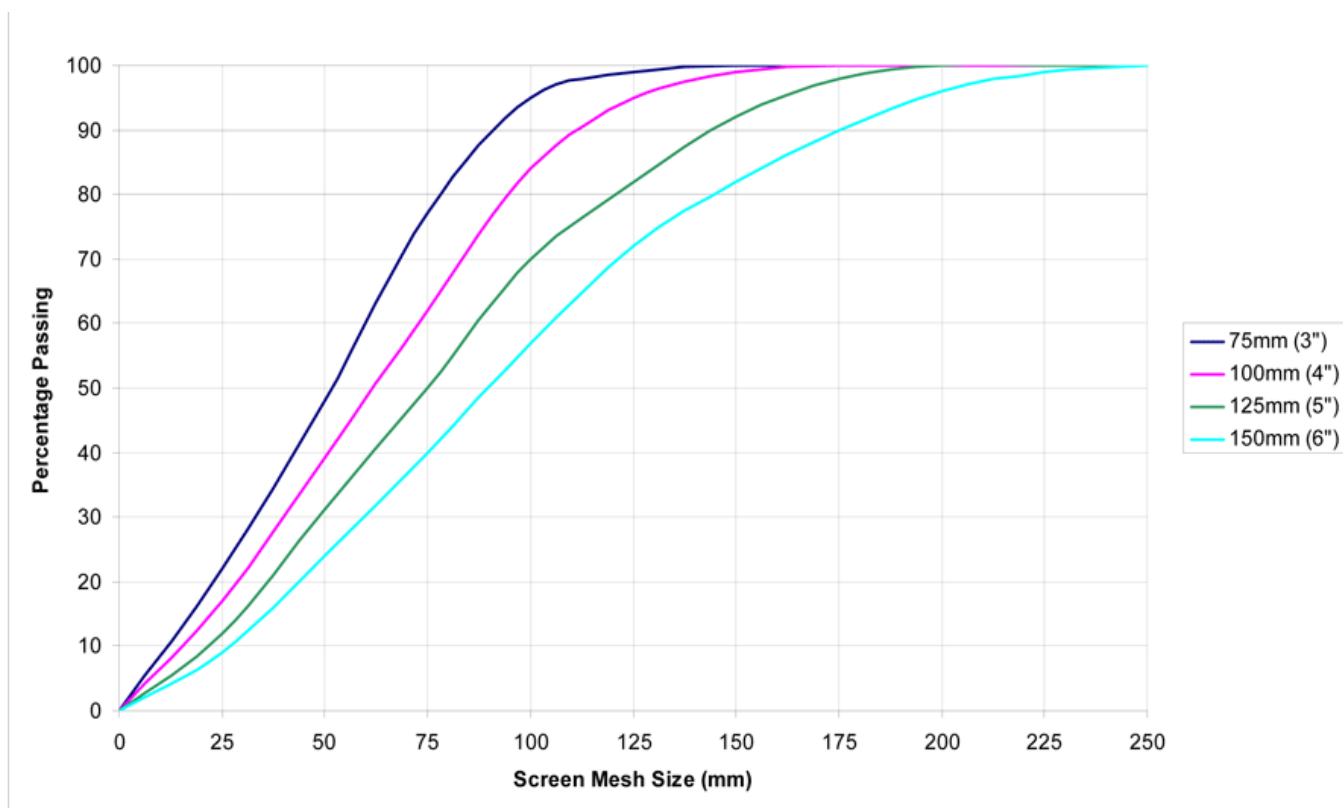
WORKING DIMENSIONS:



TRANSPORT DIMENSIONS:



SIEVE ANALYSIS:



NOISE LEVELS:

