

TESAB

ENGINEERED FOR POWER. BUILT TO LAST.

Technical Specification
600i Jaw Crusher

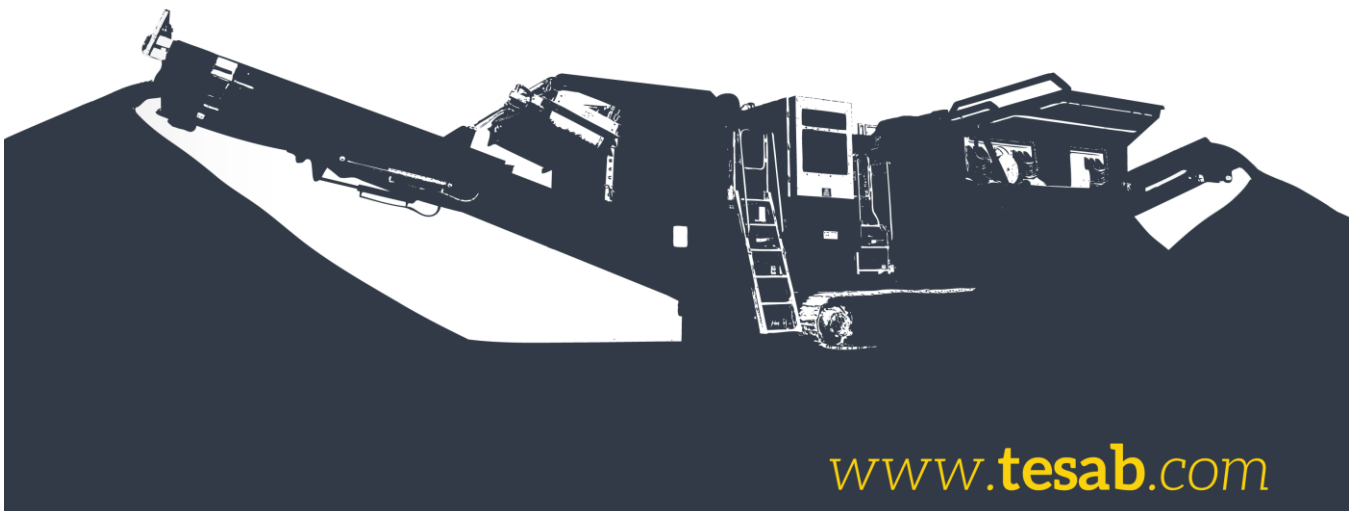
600i Jaw

MOBILE JAW CRUSHER

with CAT T3 or T4 Engine

TECHNICAL SPECIFICATION

Subject to change without notice.



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Engineered for Power, Built to Last



DESCRIPTION:

Heavy duty track mounted Crusher with following features:

- 1016 (40") x 610 (24") single toggle jaw
- 225Hp C6.6 CAT T3 or C7.1 CAT T4
- Integrated hydraulic folding stockpiling conveyors.
- Integrated hydraulic folding hopper.
- I-beam plate fabricated chassis construction.
- Open chassis design for ease of maintenance.
- Large gap between crusher discharge and main conveyor feedboot.
- Open chassis design for ease of maintenance.
- Fast on Site setup Time.

DIMENSIONS AND WEIGHT:

- | | |
|-----------------------|---------------------------|
| • Length – Working: | - 13.64m (44' – 9") |
| • Length – Transport: | - 13.78m (45' – 2.6") |
| • Width – Transport: | - 2.5m (8' - 2.5") |
| • Height – Transport: | - 3.2m (10' - 6") |
| • Weight – Estimated: | - 34,600 Kgs (76,280 lbs) |

(Overband Magnet, Side Conveyor & Deflector Fitted)

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.

CAPACITIES:

- Diesel Tank: - 446 L (117 US gal)
- Hydraulic Tank: - 1200 L (317 US Gals)

CRUSHER CHAMBER:

- Feed Opening: - 1016 (40") x 610 (24")
- Crusher Speed: - 300 RPM
- Crusher Drive: - Hydraulic – Banded V-Belts
- Min. Opening: - 51mm (2") *Note Applications
- Max. Opening: (peak to peak) - 156mm (6.15") (peak to peak)
- Jaw Weight: - 10,920Kgs
- CCS Adjustment: - Twin hydraulic ram wedge adjust
- Motor: - Kawasaki axial piston 280cc/rev
- Flow Rate: - 340 Lpm (89.8 US gpm)
- Level Sensor: - Ultrasonic
- Load Sensor: - Hydraulic

POWER UNIT AND HYDRAULICS:

- Engine: - CAT C6.6 (T3) or CAT C7.1 (T4)
- Engine Power: - 166Kw - 225 HP
- Engine Speed: - 1900 RPM
- Flywheel Pump 1: - Kawasaki K3V140DT (set at 83cc/rev)
- LH PTO Pump 2: - David Brown 5036 5023
- Front PTO Pump 3: - David Brown 5046 2SPA11
- Total System Flow: - 560.4 Lpm (148 US Gpm)
- Hydraulic Tank Capacity: - 650 ltrs (172 US Gal)
- Hydraulic Tank Ratio: - 2.14:1
- Hydraulic Oil Cooler: - YES

GRIZZLY FEEDER:

- Feeder Width: - 950mm (37.4")
- Feeder Length: - 3840mm (12' 7")
- Drive System: - Hydraulic Direct Drive
- Grizzly Section Opening: - Tapered 35-70mm (1.4" – 2.75")
- Grizzly Section Length: - 1225mm (48")
- Motor: - David Brown MCC 1911 51.8cc/rev
- Flow Rate: - 68.4 Lpm (18.1 US gpm)
- Adjustable Speed: - YES - via mechanical Flow Control
- Variable Speed: - YES – via electrical proportional pump
- Max Speed: - 970 RPM

HOPPER:

- Length: - 4180mm (13' – 8.5")
- Width: - 2064mm (6' – 9")
- Volume: - 5.4m³ (7.4yd³)
- Material: - 8mm sides with 10mm Hardox liners
- Locking System: - Wedge type and toggle bolts

SIDE CONVEYOR:

- Stockpile Height: - 2500mm (8' – 2")
- Belt Width: - 650mm (26")
- Belt Spec: - EP 500/3 5+1.5
- Drive Drum Dia: - 220mm (8.6")
- Tail Drum Dia: - 220mm (8.6") - spoked
- Motor: - OMT400
- Flow Rate: - 43.7 Lpm (11.5 US Gpm)
- Adjustable Speed: - YES
- Max Speed: - 109 rpm

MAIN CONVEYOR:

- Stockpile Height: - 3458mm (11' – 4.2")
- Belt Width: - 900mm (36")
- Belt Spec: - Plain – 500/3 8+2
- Drive Drum Dia: - 285mm (11.2")
- Tail Drum Dia: - 270mm (10.6") - spoked
- Motor: - OMV630
- Flow Rate: - 87.4 Lpm (23.1 US Gpm)
- Max Speed: - 138.7 RPM
- Angle Adjustable: - YES
- Quick Release: - YES

ELECTRICS

- Emergency Stops: - 4 off - 2 @ Powerunit & 2 @ Feeder
- Chassis cabling: - Armored cable
- Start Siren: - YES – 10 Second delay
- Control Panel: - Tedd Engineering / IFM
- Engine Shutdowns: - Low Oil Pressure
- High Water Temp
- Low Hydraulic Tank Level
- High Hydraulic Oil Temperature
- Radio Control Tracks & Feeder: - Option
- Pendant Tracks Control: - YES – Plugged in control cabinet

TRACKS:

- Width: - 400mm (15.7")
- Length: - 2920mm (9' - 7") crs
- Height: - 736mm (29")
- Gearbox: - Bonfiglioli 709
- Ratio: - 122:1
- Motor: - Rexroth 63
- Speed max: - 1.8 Kph (1.1 Mph)
- Flow rate: - 100 Lpm (26.4 US gpm)
- Attachment to Chassis: - Bolt On for quick change

OPTIONS:

- Main Conveyor Variable Speed Control
- Hopper Extensions
- Overband Magnet
- Water Pump and Dust Suppression System
- Quarry or Recycling Jaw Dies
- Crusher Deflector Plate (Belt Protection)
- Working Lights
- Belt Scales

SAFETY FEATURES:

- External Belt Alignment Points
- External Grease Points
- Engine Safety Shutdown Systems
- Full Safety Guarding for Nip Point

WORKING DIMENIONS:

