

# BISON 120

## JAW CRUSHER



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TECHNICAL  
SPECIFICATION



The image shows the EvoQuip Bison 120 Jaw Crusher, a tracked mobile unit. It features a green and black color scheme with the 'BISON 120' model name prominently displayed. The machine is equipped with a large hopper (1), an integrated feeder (2), a jaw crusher unit (3), a product conveyor (4), and engine options (5). A control system is also indicated. The conveyor belt is labeled 'terex.com/EvoQuip'.

**1 HOPPER**

- 2.3m<sup>3</sup> (3yd<sup>3</sup>) Hopper capacity
- Grizzly feeder as standard
- 30mm (1-1/4") Nominal spacing grizzly

**2 FEEDER**

- Integrated grizzly for fines removal
- Feeder speed regulates based on material

**3 JAW CRUSHER**

- 680mm x 400mm (27" x 16") Jaw Inlet
- CSS Range: 20mm to 80mm (3/4" to 3-1/4")
- Hydraulic Jaw adjustment

**4 PRODUCT CONVEYOR**

- 800mm (32") Wide product conveyor
- Product conveyor discharge height: 1.75m (5'9")

**5 ENGINE OPTIONS**

- Stage 3A: Deutz 2.2 L3 55kW
- Tier 4F & Stage V: Deutz 2.2 L3 55 kw
- Hydraulic drive crusher

**6 CONTROL SYSTEM**

- Simple intuitive operation

**UP TO 80 TONNES PER HOUR (90 US TPH)**

**Hopper**

Fixed hopper bin

Hopper Capacity: 2.3m<sup>3</sup> (3 cubic yards)

Hopper Dimensions: 2.6m x 2.2m (8' 6" x 7' 3")

Loading Height: 2.69m (8' 10")

Manually Folding hopper extensions for transport

**Vibrating Feeder**

Integrated Pre-Screen for removal of fines

Bolt in Grizzly cassettes (30mm spacing std)

Screen area: 2100mm x 600mm (6' 11" x 1' 12")

Twin shaft geared vibrator assembly

Feeder speed regulates based on crusher material from control panel

Replaceable 10mm (3/8") wear liners on feeder floor

Feeder speed range 950 - 1200 rpm



# CRUSHER

High capacity single toggle jaw crusher  
680mm x 400mm (27" x 16") Jaw Crusher  
Hydraulic Adjust as standard  
8mm (1/3") thick cheek plates  
CSS Range: 20mm (3/4") to 80mm (3, 1/4")  
150MPa Compressive Strength. For applications outside this range please contact EvoQuip  
Jaw Speed 330 rpm  
Feed size: 340mm  
Live Protector plate to facilitate the entry of material into crusher  
Fabricated from 10mm (0.4") wear plate



## CHAMBER

Jaw level sensor (as standard)

Easily adjustable belt tensioner for easy tensioning and belt replacement

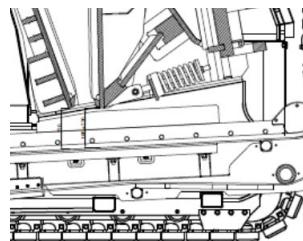
Liners can be flipped for longer life



# PRODUCT CONVEYOR

## TECHNICAL SPECIFICATION

**Belt width:** 800mm (32")  
**Belt specification:** 3 ply Chevron  
**Discharge height:** 1.75m (5' 9")  
Folding for transport  
Conveyor can be removed as a unit  
With new design good clearance from jaw to belt 220mm ( 8.5 inch)  
Impact bed at jaw discharge point  
200mm (7.9") clearance from jaw to conveyor  
Access under belt  
All hydraulic connections have connections points marked on chassis



# POWER UNIT

Stage 3A: Deutz 2.2 L3 55kW  
Tier 4F & Stage V: Deutz 2.2 L3 55 kw  
Crusher Drive: Hydraulic  
Fully enclosed power unit under vibrating feeder  
Centralised hydraulic components and electrical components to ease service and troubleshooting  
Excellent ground level access  
Diesel Tank Capacity: 140 Litres (37 US Gallon)  
Hydraulic Tank Capacity: 200 Litres (53 US Gallon)



## Access Platforms

Galvanised access ladder / platform up to crusher inlet on LHS

## Tracks

Heavy duty bolt on track frames

2 speed motor as standard

Sprocket Centres: 2250mm

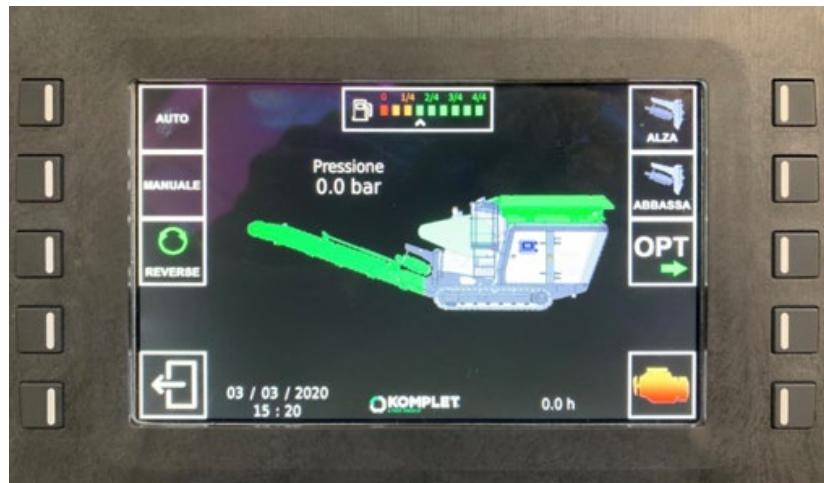
Shoe Width: 400mm (16")

Gradeability: 20degrees



# CONTROLS

Intuitive 'push button' Control System  
Drive by Dog Lead remote control



# OPTIONS

## **Over-band Magnet**

Raise & Lower System

## **Dust Suppression**

Spray bar on jaw & conveyor  
Water tank & water pump & nozzles

## **Product Conveyor**

Weighing system

## **Vibrating feeder**

40mm bars

## **Track**

Rubber pads



# OPTIONS

## Magnet

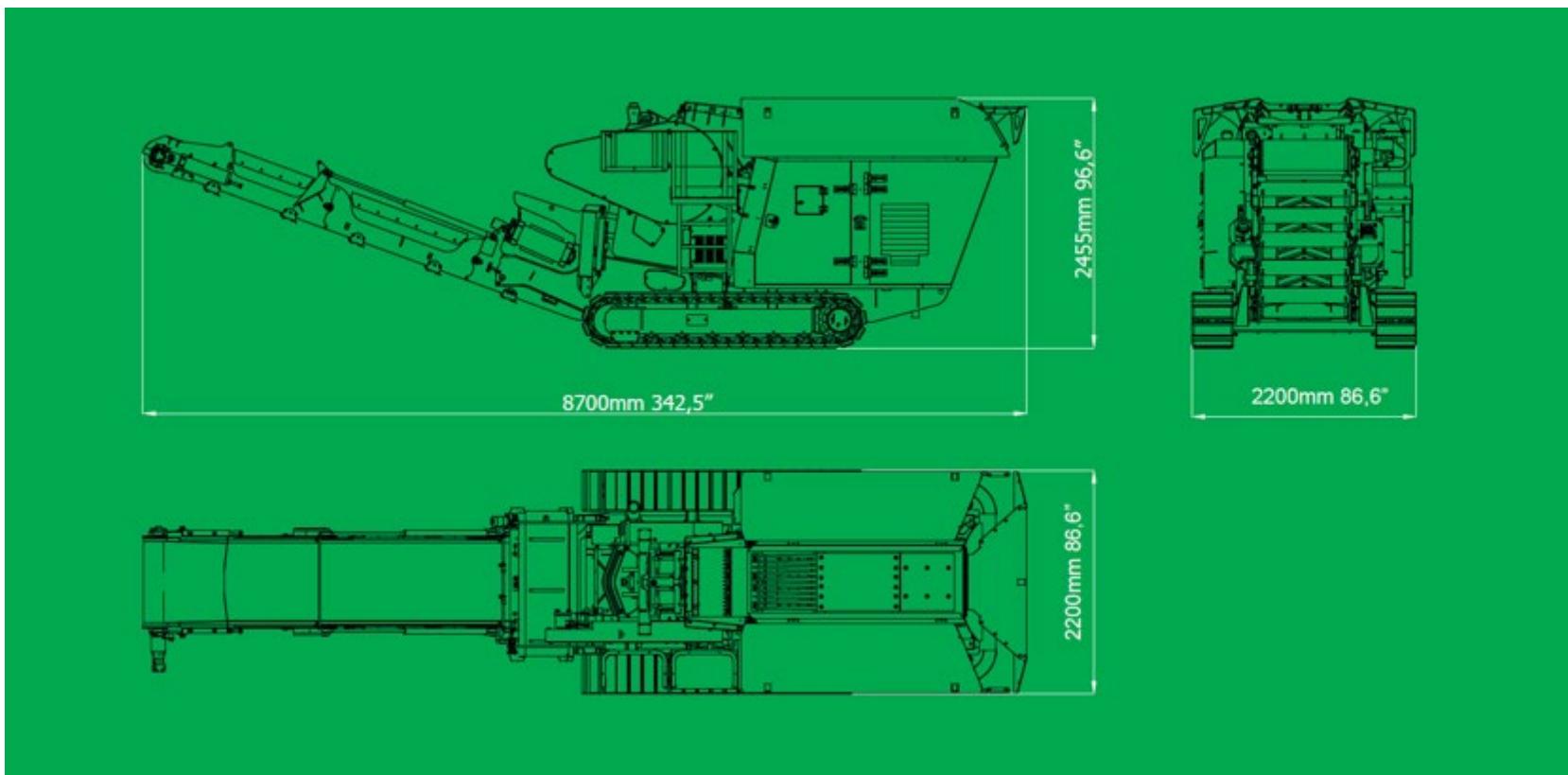
750mm (30") Belt width  
RHS Discharge as standard.  
LHS Optional  
Hydraulic raise / lower option



# WEIGHTS & DIMENSIONS

## WORKING DIMENSIONS - BISON 120

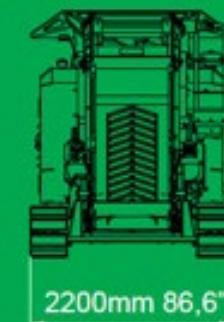
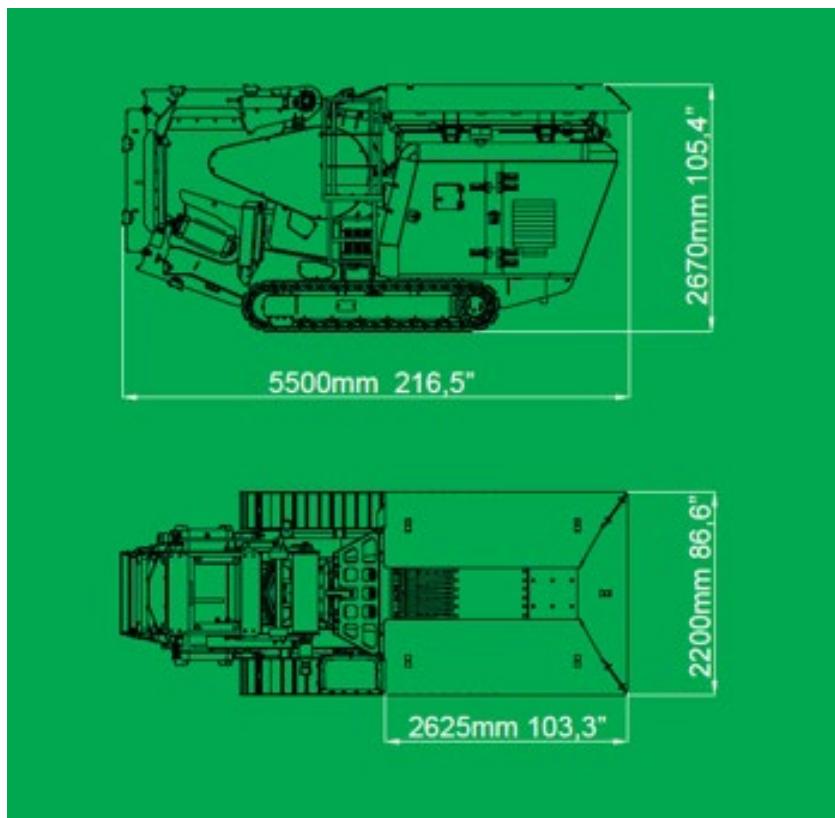
**Length:** 8.7m (29' 7")   **Width:** 2.2m (7' 3")   **Height:** 2.45m (8')   **Weight:** 12,000kg (26,455lbs)



# WEIGHTS & DIMENSIONS

## TRANSPORT DIMENSIONS - BISON 120

**Length:** 5.5m (18')   **Width:** 2.2m (7' 3")   **Height:** 2.7m (8' 10")   **Weight:** 12,000kg (26,455lbs)



# GALLERY & MEDIA

## TECHNICAL SPECIFICATION



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