

BISON 120

JAW CRUSHER



TECHNICAL
SPECIFICATION



PLEASE ENSURE YOU ARE USING ADOBE ACROBAT
READER TO VIEW THIS DOCUMENT.

OVERVIEW

<p>1</p> <p>HOPPER</p> <ul style="list-style-type: none"> 2.3m³ (3yd³) Hopper capacity Grizzly feeder as standard 30mm (1-1/4") Nominal spacing grizzly 	<p>2</p> <p>FEEDER</p> <ul style="list-style-type: none"> Integrated grizzly for fines removal Feeder speed regulates based on material 	<p>3</p> <p>JAW CRUSHER</p> <ul style="list-style-type: none"> 680mm x 400mm (27" x 16") Jaw Inlet CSS Range: 20mm to 80mm (3/4" to 3-1/4") Hydraulic Jaw adjustment 	<p>4</p> <p>PRODUCT CONVEYOR</p> <ul style="list-style-type: none"> 800mm (32") Wide product conveyor Product conveyor discharge height: 1.75m (5'9") 	<p>5</p> <p>ENGINE OPTIONS</p> <ul style="list-style-type: none"> Stage 3A: Deutz 2.2 L3 55kW Tier 4F & Stage V: Deutz 2.2 L3 55 kw Hydraulic drive crusher 	<p>6</p> <p>CONTROL SYSTEM</p> <ul style="list-style-type: none"> Simple intuitive operation
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UP TO 80 TONNES PER HOUR (90 US TPH)

FEEDER/HOPPER

Hopper

Fixed hopper bin

Hopper Capacity: 2.3m³ (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)

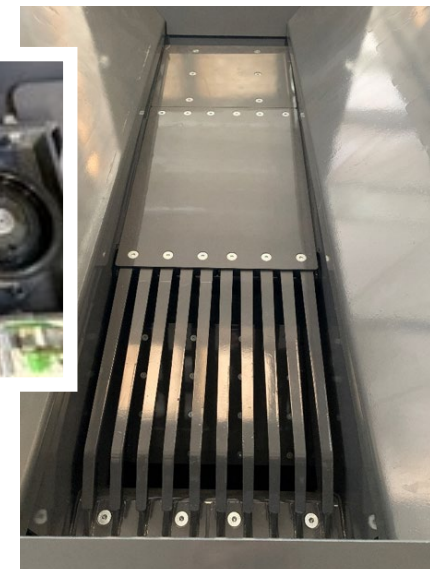
Screen area: 2100mm x 600mm (6' 11" x 1' 12")

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



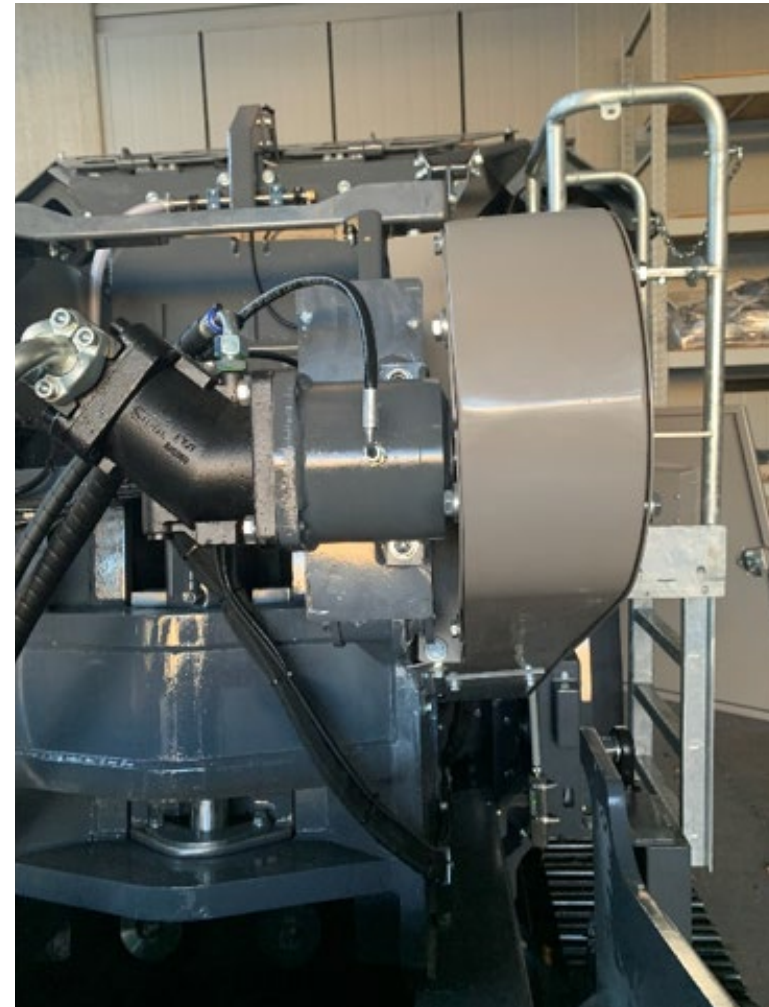
CRUSHER

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

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

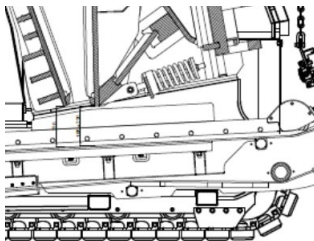
With new design good clearance from jaw to belt 220mm (8.5 inch)

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)



MISCELLANEOUS

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")

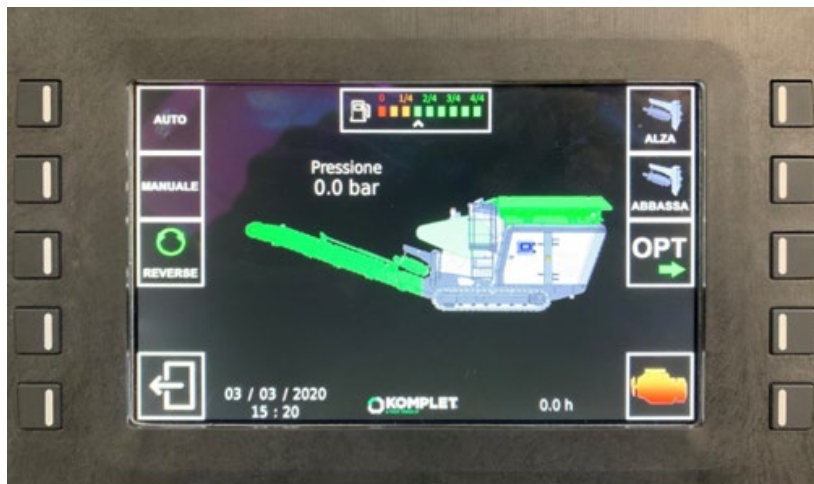
Gradeability: 20degrees



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.

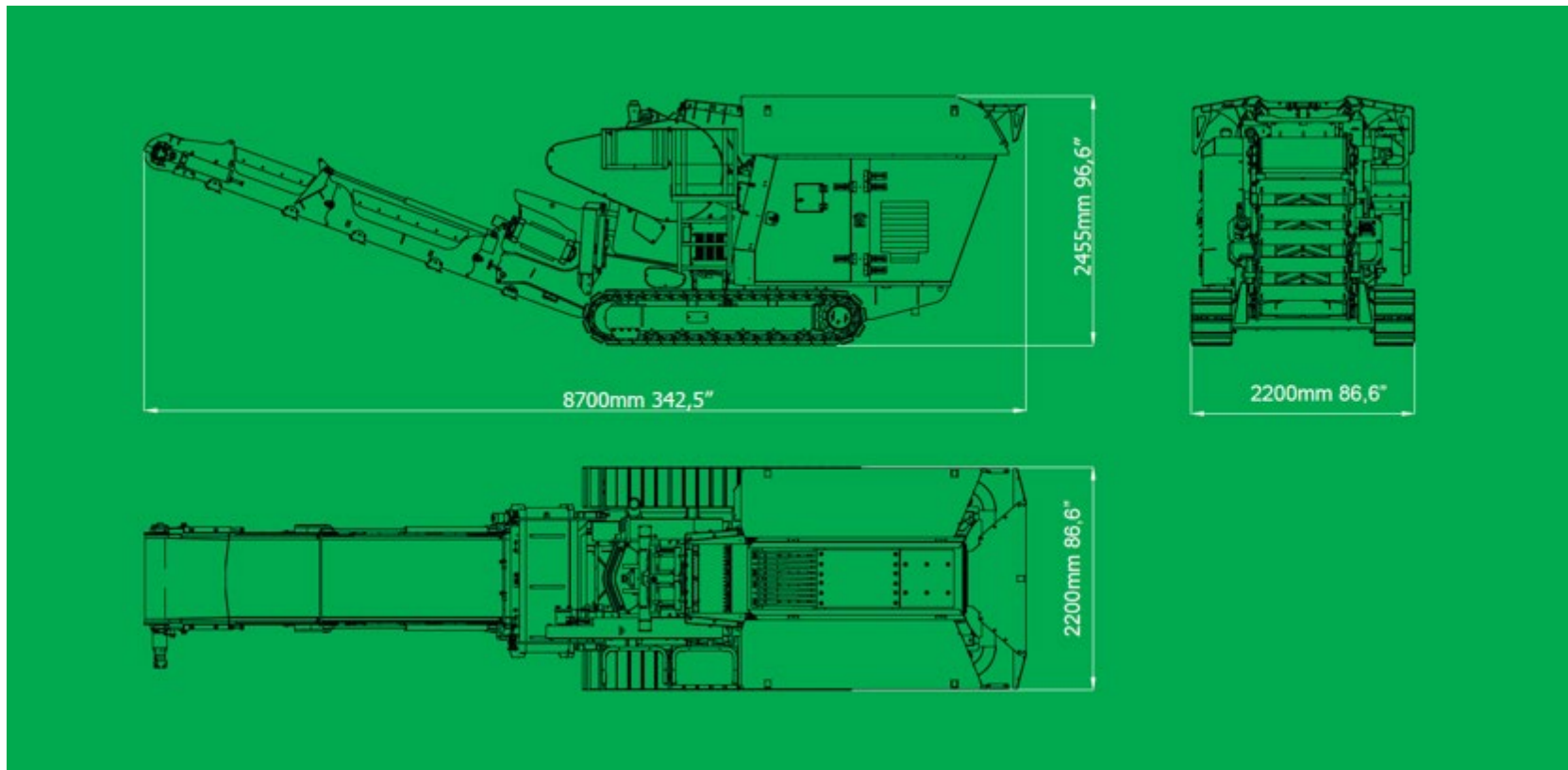
LHS Optional

Hydraulic raise / lower option



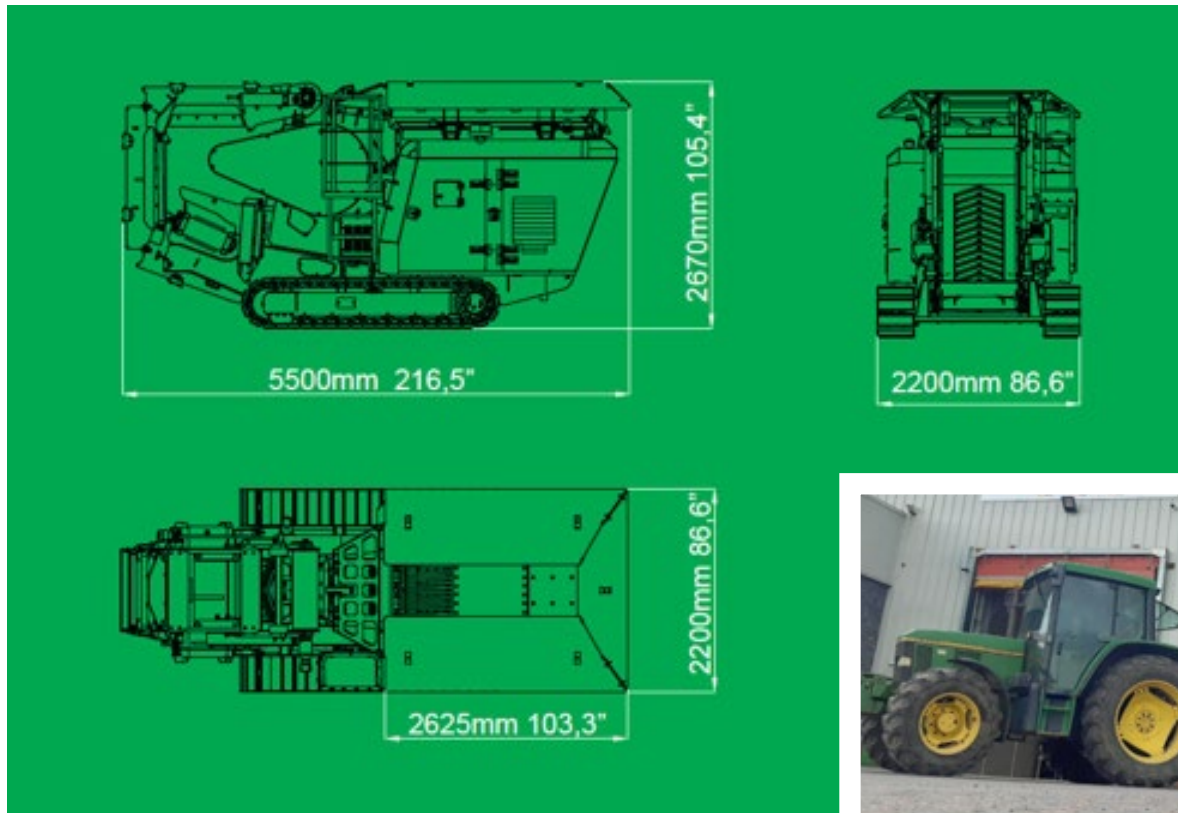
WORKING DIMENSIONS - BISON 120

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



TRANSPORT DIMENSIONS - BISON 120

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



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