EVOQUIP®
A TEREX BRAND



BOA 950
CONE CRUSHER

TECHNICAL
SPECIFICATION

EVOQUIP®
A TEREX BRAND

OVERVIEW

1

HOPPER/FEEDER

- 2.9m³ (3.8yd³) standard Hopper capacity
- Fixed feed hopper

2

ENGINE OPTIONS

- CAT C9.3 250kW (335hp)

3

CONE CRUSHER

- Crusher Type: Boa 950 Automax Crusher
- Max Feed size: 195mm (7.7")
- Max CSS: 34mm (1.3")

4

CONVEYORS

- 1000mm (40") wide feed conveyor
- Product conveyor discharge height: 2.83m (9'4") @ 22° angle

5

CONTROL SYSTEM

- Simple intuitive operation



UP TO **230** TONNES PER HOUR (253 US TPH)

* Depending on application

OVERVIEW

The EvoQuip Boa 950 cone crusher has been designed for direct feed applications without pre-screening on clean rock. At the heart of the Boa 950 is the Automax® cone crusher with hydraulic setting, tramp release & unblocking system. Its unique crushing action provides excellent capacity, high reduction & good product cubicity for the production of high quality aggregate & sub-base materials. A level probe over the feed ring regulates the feed belt to ensure the Automax® is choke fed, essential for maximum reduction, manganese life & optimal product shape.

FEATURES & BENEFITS

- Output potential of up to 230 tph / 253 US tph depending on feed material & crusher settings
- Renowned Automax® crusher technology
- Accepts clean 'all in feed'
- Excellent product shape
- High reduction ratio
- Cone feed box level control to maintain choke feeding
- Hydraulic crusher setting Cone overload protection
- Heavy duty chassis & track frame
- Metal detector
- Dust suppression system
- Economical to operate with a highly fuel efficient direct drive system
- Heavy duty fabricated chassis & track frame
- Remote control via umbilical
- Radio remote control as standard
- T-Link Telemetry as standard

CONE CRUSHER

Crusher type: 1000 Automax crusher fitted as standard with long throw eccentric

Liners: Manganese steel alloy mantle & concave

Standard concave: Medium Coarse (MC)

Lubrication: Pumped system having a chassis mounted lube tank with air blast cooler

Adjustment: Hydraulic setting adjustment, automatic overload release & hydraulic unblocking

Control: 2 Operating modes available:
- Autoset Mode: fixed parameters
- Maxset Mode: load sensing, parameters auto adjust & maximise performance

Concave options: Extra Coarse (XC)
Autosand (AS)

Drive: Wedge belt

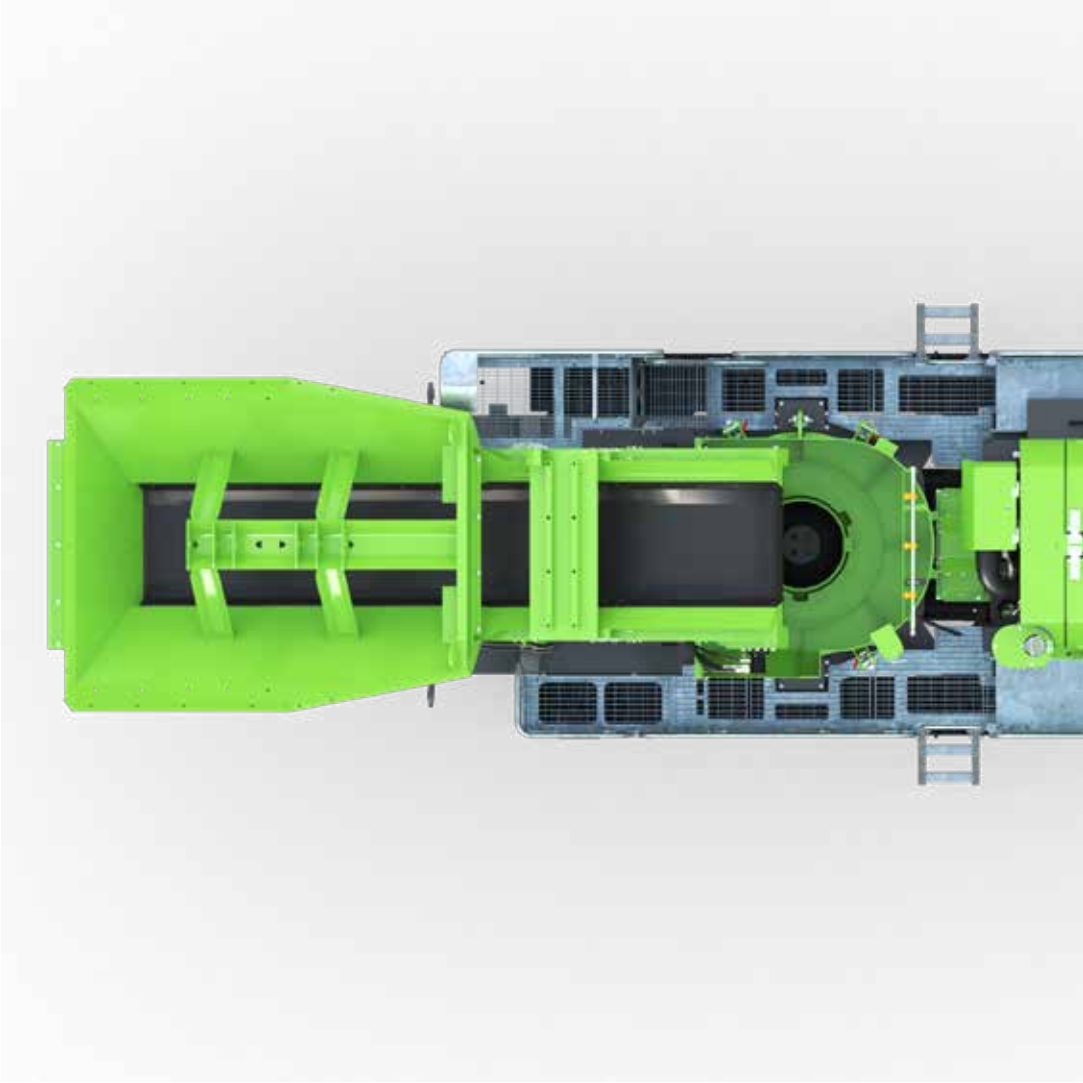
LINER PROFILE	MAX FEED SIZE	MAX RECOMMENDED CSS
Medium Coarse	160mm (6.3")	34mm (1.3")
Extra Coarse	195mm (7.7")	34mm (1.3")
Autosand	63mm (2.5")	32mm (1.25")

Each of the above available with choice of long throw eccentrics



HOPPER

Hopper type:	Fixed feed hopper
Hopper length:	2.67m (8'7")
Hopper width:	2.2m (7'2")
Hopper capacity:	2.9m^3 (3.8yd^3) (standard) 3.9m^3 (5.1yd^3) (Optional) 5.3m^3 (6.9yd^3) (optional)
Hopper body:	Fabricated in 10mm thick wear resistant steel plate, with internal crash bars to minimise impact load on the feed conveyor



EVOQUIP®
A TEREX BRAND

FEED CONVEYOR

Conveyor type: Shallow troughed belt, variable speed

Design: Raises & lowers hydraulically for transport, operation & crusher maintenance

Belt type: EP500/3 with 5mm top & 1.5mm bottom heavy-duty rubber covers, vulcanised joint

Belt adjustment: Screw adjustment at the tail shaft

Belt width: 1000mm (40")

Feed height: 2.8m (9' 2")

Drive: Hydraulic drive via flange mounted gearbox

Impact rollers: Below feed hopper

Metal detector: Suitable for detecting steel & manganese, complete with audible warning device & connected to stop the feed conveyor

Barge boards: Extend from the feed conveyor to the conveyor head

Lubrication: Oil lubricated head drum gearbox. Grease nipples for lubrication of shaft bearings

Level probe: Crusher feed ring fitted with level probe designed to regulate & constantly choke feed the crusher



EVOQUIP®
A TEREX BRAND

PRODUCT CONVEYOR

Conveyor type:	Troughed belt. Fixed speed conveyor with hydraulic drive
Belt type:	EP400/3 with 4mm top & 2mm bottom heavy duty rubber covers, & vulcanised joint
Belt width:	800mm (32")
Discharge height:	2.83m (9'4") @ 22° angle
Stockpile volume:	32m^3 (42yd^3) @ 43° angle of repose
Impact rollers:	Fitted below the crusher outlet
Skirting:	Fully skirted rubber sealing along the conveyor length
Drive:	Direct drive hydraulic motor
Belt covers:	Removable dust covers are fitted over the exposed section of the conveyor
Belt adjustment:	Screw adjustment at the head drum
Lubrication:	Grease nipples for lubrication of shaft bearings
Speed sensor:	Designed to stop plant feed when discharge conveyor stops

DUST SUPPRESSION SYSTEM

Spray bars with atomiser nozzles mounted over the crusher mouth, product conveyor feed & discharge points. Piped to an inlet manifold

Type:	Clean water multi-atomising nozzles
Inlet:	Single point on chassis
Pressure:	2.8 bar (42 psi)
Frost protection:	Via system drain valves
Pump:	Optional extra



POWER UNIT

Tier 3 Equivalent: CAT C9.3 250kW (335hp)

Operating conditions: Ambient temp. +50°C & 15°C (122F & 59F) altitudes up to 2000m (6562ft) above sea level

Operating rpm range: 1750 - 1850rpm

Plant drive: High quality pumps driven via belt drive from engine

Fuel tank capacity: 440L (116 US Gal)

Hydraulic tank capacity: 300 L (79 US Gal)



Cone lube oil tank capacity: 220 L (58 US Gal)

Crusher drive: Direct drive via wedge belts

Crusher drive tensioning: Manually adjustable screw tensioners located under power unit

Clutch type: Highly efficient, self-adjusting HPTO 12 dry plate clutch with electro hydraulic operation

Hot climate oils: Recommended for ambient temperatures between +15 to +50ºC

Note: Telemetry available as standard

TRACKS

Type:	Heavy duty bolt on tracks
Sprocket centers:	3.28m (10' 9")
Track width:	400 mm (1' 4")
Gradeability:	25˚ maximum
Max Speed:	1.1kph (0.69 mph)
Drive:	Hydraulic motors
Tensioning:	Hydraulic adjuster, grease tensioned



PLANT CONTROLS & OTHER

CHASSIS

Heavy duty I-section welded construction, provides maximum strength & accessibility

CHUTES

Feed box: Fabricated in 6mm mild steel plate. Hinge down back plate to lower feed conveyor head section for transportation

Product conveyor: Fabricated in 10mm mild steel plate with replaceable 10mm wear resistant liners at impact points

GUARDS

Wire mesh or sheet metal guards are provided for all drives, flywheels, pulleys & couplings.

PLATFORMS

Platforms are provided for inspection & maintenance, allowing access to each side of the engine, crusher & one side of the feed conveyor head section.

All platforms are galvanised as standard & are made from steel flooring with steel toe boards, double row handrails & access ladders

UMBILICAL CONTROL

An umbilical control unit is also supplied with the plant. This is used to control the tracking function & is also fitted with a stop button for the plant

PLANT CONTROLS

Full PLC control panel

Full system diagnostics & monitoring

Key functions controlled from the panel include:

- Automatic sequential start/stop
- Feed conveyor start/stop
- Feed conveyor speed control
- Engine speed control
- Crusher level settings
- Crusher CSS control
- Calibration & monitoring of liner wear
- Tracking mode on/off

OPTIONS

Control Panel Positive Pressurisation

An additional unit designed to reduce dust particles within the control panel. A continuous flow of clean air is passed through the cabinet whilst the unit simultaneously filters out any particulate laden air.

Electric Water Pump

An electrically powered water pump is available to power the dust suppression system.

Radio Remote Control

Complete with integrated tracking functions & plant stop button. NB - Only available in certain countries where type approval has been obtained.

Remote can also be used to: Start/Stop feeder

Hot/Cold Climate Oils

Cold climate oils - (Recommended for ambient temperatures between -20 to +30°C) -

Hydraulic & lubrication oils only. Other component modifications may be required for low temperature operations. Please contact the EvoQuip sales & applications department with any queries.

Hot climate oils - (Recommended for ambient temperatures between +15 to +50°C)

Standard oils - (Recommended for ambient temperatures between -5 to +30°C)

Optional Extras

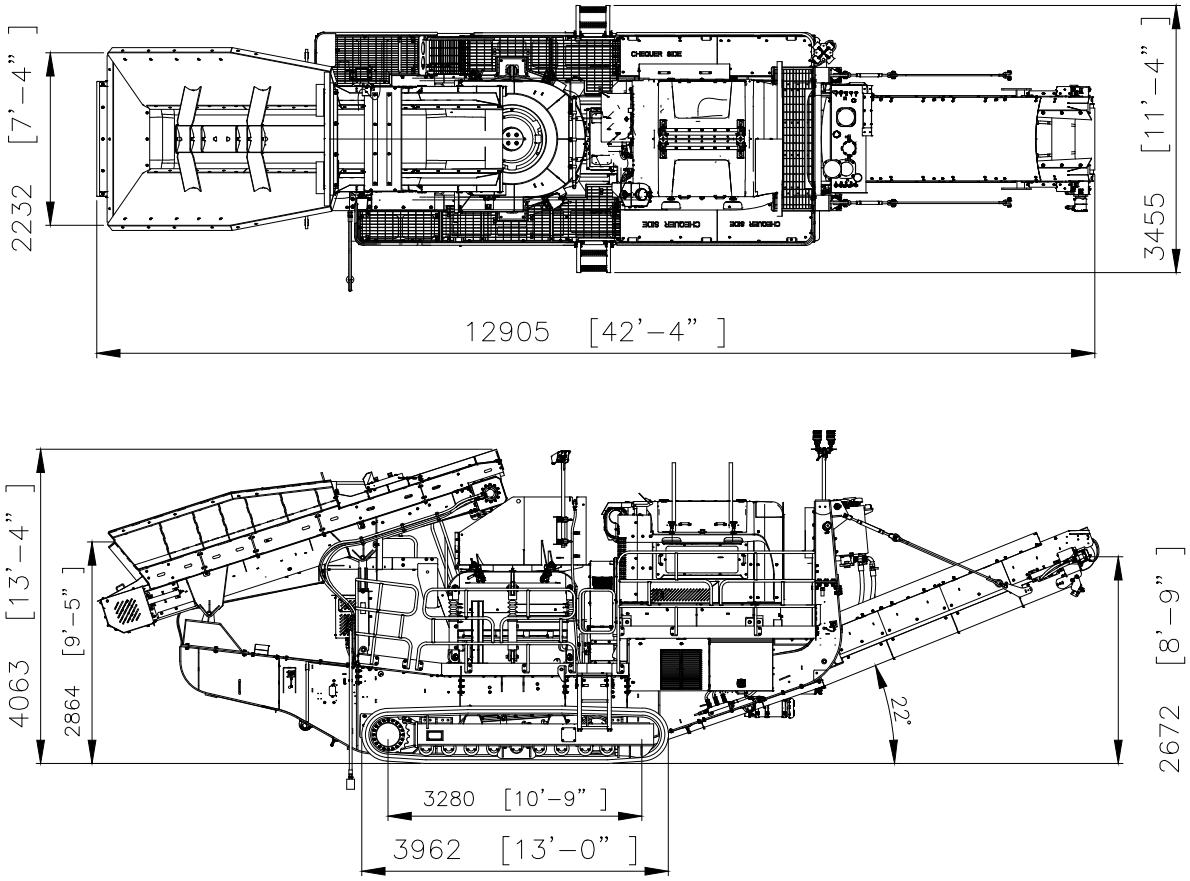
- Automax Extra Coarse (XC) concave
- Autosand (AS) concave
- Feed hopper extensions plates (remove for transport)
- Hot/cold climate oils
- Control panel positive pressurisation
- Camera & viewing screen
- Lighting mast
- Electric water pump
- Electric diesel refill kit
- Product conveyor under guard

EVOQUIP®
A TEREX BRAND

WEIGHTS & DIMENSIONS

WORKING

Length: 12.9m (42' 3") **Height**: 4.1m (13' 5") **Width**: 3.46m (11' 4")

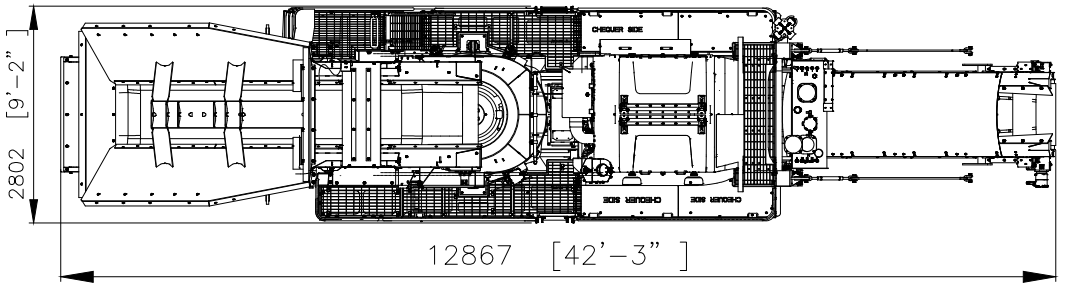


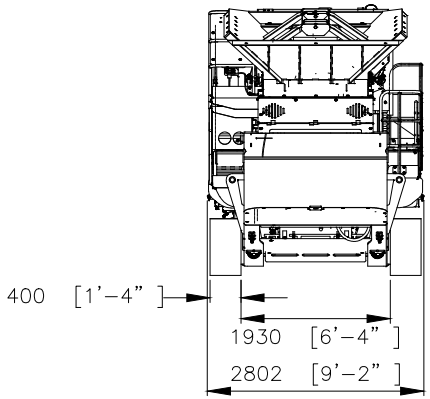
EVOQUIP®
A TEREX BRAND

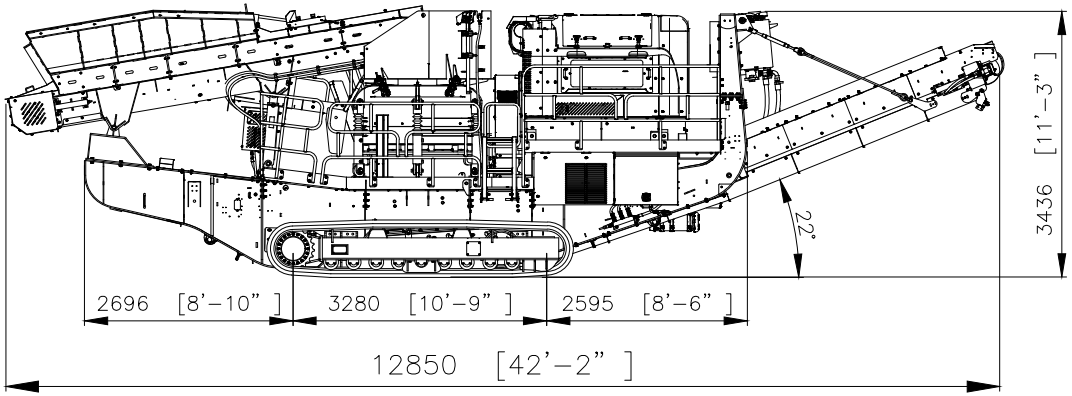
WEIGHTS & DIMENSIONS

TRANSPORT

Length: 12.9m (42' 3") **Height**: 3.45m (11' 4") **Width**: 2.8m (9' 2")







200 Coalisland Road,
Dungannon, Co. Tyrone, BT71 4DR
Tel: +44 28 8771 8500
Email: EvoQuip@terex.com

terex.com/EvoQuip

The material in this document is for information only and is subject to change without notice.
Terex assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein.
Due to continual product development we reserve the right to change specifications without notice.
Photographs are for illustrative purposes only, some or all of the machines in the illustrations may be fitted with optional extras.
Copyright 2026 Terex GB Limited. Published in May 2026.