



# LJ-130

## JAW CRUSHER



### SPECIFICATION:

Inlet Opening:	1300mm x 1000mm (51" x 39")	
Net Engine Power:	Tier 3 / Stage IIIA:	CAT C15 403kW (540hp)
	Tier 4F/Stage IV:	Scania DC13 410kW (550hp)
	Stage V:	Scania DC13 410kW (550hp)
Portability:	Tracked	
Operating Weight:	123,000kg (271,169lbs) (without by-pass conveyor and magnet options)	

STRONG **HERITAGE**, STRONG **FUTURE**





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## JAW CRUSHER



### HOPPER/FEEDER

Hopper capacity: 13.5m<sup>3</sup> (17.64yds<sup>3</sup>)  
Feed height: 5.9m (19' 4") - without extensions fitted  
Feed height: 6.35m (20' 10") - with extensions fitted  
Hopper length: 6.1m (20')  
Hopper width: 2.8m (9' 2") standard  
3.7m (12' 2") with extensions  
Hopper type: Hydraulic locking from ground level  
Hopper body: Abrasion resistant feed hopper with hydraulic struts and pins  
Reinforced hopper side walls, 15mm (5/8") AR450 wear resistant steel plate  
Electrically driven integrated pan and grizzly feeder c/w stepped cassette 75mm spacing as standard  
Grizzly aperture: 75mm (Option 100mm & 125mm)  
Electrically driven independent screen below VGF  
Underscreen standard mesh: 50mm  
Feeder speed range: variable, 450-900 rpm  
Vibrating Grizzly feeder: 5.5m long X 1.35m wide (18' 0" x 4' 5")  
VGF Feed area: 2.7m x 1.38m (8' 10" x 4' 6")  
VGF Screening area: 2.9m x 1.38m (9' 6" x 4' 6")



Hopper & Feeder



Hopper and Feeder

### JAW CRUSHER

Terex TJ3951 single toggle jaw crusher  
Inlet width: 1300mm (51")  
Inlet gape: 1000mm (39")  
Maximum Closed Side Setting (CSS): 250mm (10")  
Minimum Closed Side Setting (CSS): 125mm (5")  
Variable speed electric drive  
Reverse action for clearing blockages  
Full hydraulic closed side setting adjustment, with double opposing wedges for adjustment & hydraulic toggle retention  
Maximum Under jaw clearance with wide access points  
Split jaw liners optional  
Jaw liner options: Super tooth (Standard), Quarry tooth 18 & 22% Manganese available & Heavy Duty 18 & 22% Manganese available  
Hydraulic adjustable under jaw deflector plate optional  
Feed material level sensor  
Camera of chamber inlet and viewing screen



Jaw Chamber



Main Conveyor

### MAIN CONVEYOR

Belt Width: 1.4m (4' 6")  
Belt Spec: Plain  
Working Angle: 21°  
Discharge Height 4.2m (13' 7") to the underside of drum  
Hydraulic folding head section for transport  
Impact bars and wear resistant liners at feed point



## MAIN CONVEYOR (CONTINUED)

High spec scraper at head drum

Fully tunnelled lower section

Dust suppression: fitted with hose and spraybars as standard (no pump supplied)

Standard Stockpile capacity: 136m<sup>3</sup> (178yds<sup>3</sup>) @ 40°

## POWERPACK

Tier 3 / Stage III: CAT C15  
Engine Power: 403kW (540hp)  
Engine Speed: 1800 rpm

Tier 4F/Stage IV: Scania DC13  
Engine Power: 410kW (550hp)  
Engine Speed: 1800 rpm

Stage V: Scania DC13  
Engine Power: 410kW (550hp)  
Engine Speed: 1800 rpm

## TANK CAPACITIES

Hydraulic Tank: 460 litres / 101 Uk gal / 121 US gal

Fuel Tank: 1165 litres / 256 UK gal / 308 US gal

## BY-PASS CONVEYOR (OPTIONAL)

Belt Width: 750mm (26")

Belt Spec: Plain

Working Angle: 24° max

Hydraulically folds for transport

Discharge Height: 4m (13' 1") under drum

Stockpile capacity: 89m<sup>3</sup> (117yds<sup>3</sup>) @ 40°

## MAGNETIC SEPARATOR (OPTIONAL)

Belt Width: 750mm (2' 6")

Belt Spec: Cleated

Drive: Electric motor & planetary gearbox drive

Heavy duty twin pole magnet

Right hand side discharge standard

## UNDERCARRIAGE

Shoe Width: 500mm (20")

Sprocket Centres: 5.05m (16' 5")

Speed: 0.7 km/h (0.4mph) (maximum speed)

Gradeability: 30° maximum

## TOOL BOX

Mounted lockable toolbox

Tool Kit and flogging spanners

Grease gun

Manuals

## CHUTES

Heavy duty inlet chute with bolt-up construction, and liner plates

By-pass chute with selectable discharge flop gate, to either by-pass conveyor or main conveyor



Powerunit



Bypass Conveyor (Optional)



Magnetic Separator (Optional)



Undercarriage

# LJ-130

## JAW CRUSHER



### CONTROL SYSTEM

Advanced CANBUS compliant system Large display screen(IP67 Rated)

Five simple operating modes with menu driven graphic user interface:

Track mode: For moving machine

Manual mode: For manually starting machine

Automatic mode: For automatically starting the machine in predetermined sequence

Configuration mode: For testing/setting individual components

Language selection: For setting languages

User friendly incremental selection of feeder and crusher speed enable the operator to achieve the optimal throughput

Detachable doglead control for tracking

Radio remote control (optional)

Integrated machine and engine control panel

Lockable compartment

Auto regulating feeder selectable for improved throughput control

Emergency stops: 8 off (5 on the primary module and 3 on the upper / secondary module)

### PLATFORMS

Galvanised catwalks and ladders for full maintenance and service access

Catwalk access around power unit, chamber and hopper forward section

Folding for transport

### REMOTE CONTROL UNIT (OPTIONAL)

Full function radio remote unit

Machine can be switched from crushing mode into track mode, moved and switched back to operating mode from remote control unit

Feeder stop / start

### ELECTRICAL SPECIFICATION

Main Conveyor: 2 x 15kW Motors

Magnet: 1.5kW

By-Pass Conveyor: 7.5kW motor

Tracking motors 2 x 75kW

Crusher Motor: 200kW controlled via VSD (Variable Speed Drive) (Speed Control, Ability to run in Reverse, Unblock Feature)



Platform

### OPTIONAL EQUIPMENT:

Quarry Tooth 18% in lieu of super tooth jaw plates

Quarry Tooth 22% in lieu of super tooth jaw plates

Heavy Duty 18% (Fixed) & Quarry Tooth 18% (Swing)

Heavy Duty 22% (Fixed) & Quarry Tooth 22% (Swing)

2 Piece Quarry Tooth 18% (Fixed & Swing) (check with factory for availability)

2 Piece Heavy Duty 18% (Fixed) & 2 Piece Quarry Tooth 18% (Swing) (check with factory for availability)

Hydraulically adjustable deflector plate, lined with replaceable wear resistant plate

Mounted hydraulic breaker hammer (650kg), boom and controls

Wear resistant hopper extensions

Grizzly cartridge with 75mm (3") nominal spacing

Grizzly cartridge with 125mm (5") nominal spacing

40mm rubber mesh on independent screen below VGF

Belt weigher - Belt scale with speed wheel

Bypass conveyor: Electrically driven with hydraulic folding, 750mm (30") wide b Heavy duty suspended twin pole magnet conveyor, electrically driven, mounted over main conveyor

Hot climate lubrication kit (Recommended for ambient temperature between +15 and +50°C ambient)

Cold climate lubrication kit (Recommended for ambient temperature between -20 and +30°C ambient)

Piped for Dust Suppression complete with Spray bars for bypass conveyor

Water pump

Fast Fill Fuel Kit

Radio Remote system



## MAIN CONVEYOR

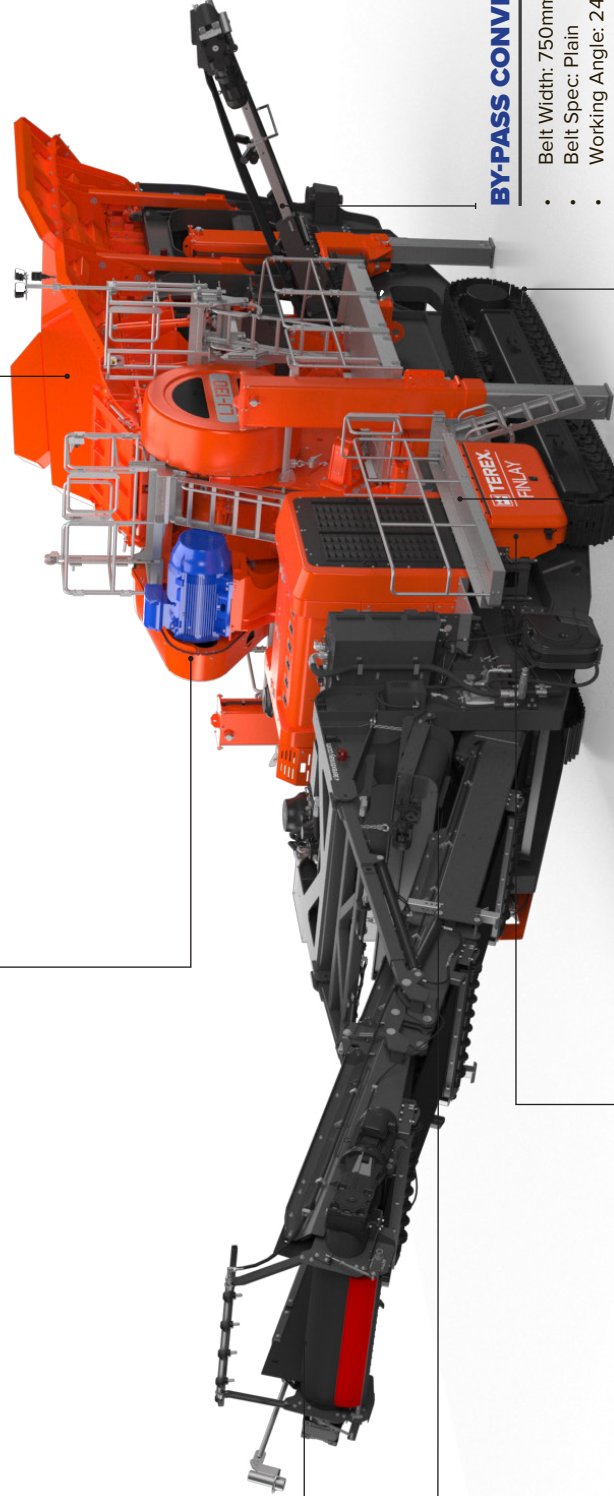
- Belt Width: 1.4m (4' 6")
- Belt Spec: Plain
- Working Angle: 21°
- Discharge Height: 4.2m (13' 7") under drum
- Hydraulic folding head section for transport
- Impact bars and wear resistant liners at feed point
- High spec scraper at head drum
- Fully tunnelled lower section
- Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- Standard Stockpile capacity: 136m<sup>3</sup> (178yds<sup>3</sup>) @ 40°

## JAW CHAMBER

- Terex T13951 single toggle jaw crusher
- Inlet width: 1300mm (51")
- Inlet gape: 1000mm (39")
- Maximum Closed Side Settings (CSS): 250mm (10")
- Minimum Closed Side Settings (CSS): 125mm (5")
- Reverse action for clearing blockages
- Variable speed electric drive
- Split jaw liners optional
- Feed material level sensor
- Camera of chamber inlet and viewing screen

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- Belt Width: 750mm (30")
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- Heavy duty twin pole magnet
- Right hand side discharge standard

## POWERPACK

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Engine Power: 410kW (550hp)  
Engine Speed: 1800 rpm
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Engine Power: 410kW (550hp)  
Engine Speed: 1800 rpm

## PLATFORMS

- Galvanised catwalks and ladders for full maintenance and service access
- Catwalk access around power unit, chamber and hopper forward section

## UNDERCARRIAGE

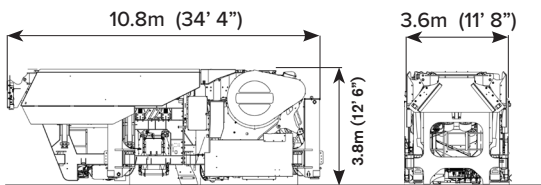
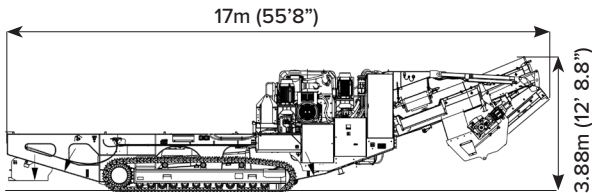
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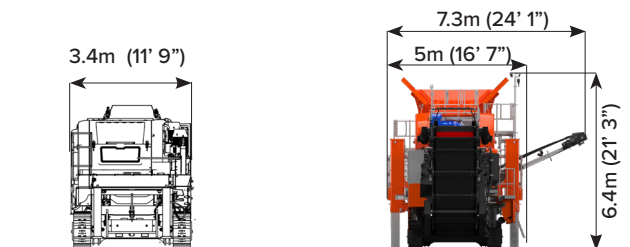
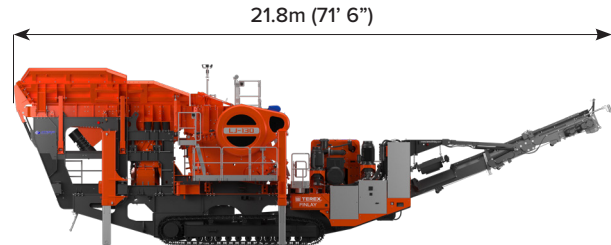
## JAW CRUSHER



### TRANSPORT DIMENSIONS



### WORKING DIMENSIONS



**MACHINE WEIGHT:** 123,000kg (271,169lbs)  
(STANDARD MACHINE)

### MACHINE SPLITS IN 2 SECTIONS FOR TRANSPORT:

- Front tracked module approx 42T
- Rear 'Split' Module approx 80-85T
- No crane required to split for transport.
- No working at height for assembly.
- Bolt off & fold down catwalk handrails
- Jacklegs operated by separate 1Ph Electric generator



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