

# LJ-130 HYBRID JAW CRUSHER



**HYBRID**  
TECHNOLOGY



DIESEL



PERFORMANCE



ELECTRIC



# LJ-130 HYBRID

The Terex Finlay LJ-130 hybrid jaw crusher is the largest mobile jaw crusher in our range and has been developed for large-scale quarry and mining operations. The machine can operate as standalone primary crusher or integrated into a mobile or static crushing and screening plant. The machine can be powered either by the onboard genset powerpack configuration or connected to an external power source. Both power options provide operators with significant power, servicing and maintenance cost savings in direct comparison to a diesel/ hydraulic powered plant. For easy transport movement between locations the plant can be split down and reassembled without the need for heavy crane assistance on site.

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage III: CAT C15 403kW (540hp)
Tier 4F/ Stage IV: Scania DC13 410kW (550hp)
Stage V: Scania DC13 410kW (550hp)

### ALTERNATOR:

500 kVa Generator
STD voltage supply: 380V - 500v @ 50Hz or 60Hz (Contact the factory if any local requirements are different from standard offering)

### JAW CHAMBER:

Terex 1300 x 1000mm (51" x 39") single toggle jaw crusher c/w full hydraulic closed side setting adjustment
Electric variable speed drive
Reversible operation for clearing blockages
S tooth liners - 18% Manganese as Standard
Bypass chute with 5 settings
Feed material level sensor
Camera of chamber inlet and viewing screen

### HOPPER / FEEDER:

Hydraulically folding hopper sides and locking system
Electrically driven integrated pan and grizzly feeder c/w stepped cassette 75mm spacing as standard
Mesh aperture on underscreen: 50mm
Bypass chute with 2 position deflector plate
Electrically driven independent screen below VGF

### MAIN CONVEYOR:

Belt width: 1.4m (4' 6") wide main belt, rigid non folding, 4.2m discharge height (under drum)
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### CLIMATE SPEC:

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

Piped for Dust Suppression complete with Spray bars
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### ELECTRICAL:

Emergency stops
Control panel positive air pressurisation
Hand held track control set with connection lead
T-Link Telemetry System fitted c/w 7 years data subscription

### GENERAL:

Dust suppression spray bars
Catwalk access around both sides of the power unit and the chamber

### 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
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Standard Stockpile capacity: 136m³ (178yds³) @ 40°

### Magnetic Separator (optional)

- ▶ Belt Width: 750mm (30")
- ▶ Belt Spec: Cleated
- ▶ Drive: Electric motor & planetary gearbox drive
- ▶ Right hand side discharge standard

### Jaw Chamber

- ▶ Terex TJ3951 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

### Hopper and Feeder

- ▶ Hopper capacity: 13.5m³ (17.64yds³)
- ▶ Feed height: 5.9m (19' 4") - without extensions fitted
- ▶ Feed height: 6.35m (20' 10") - with extensions fitted
- ▶ Hopper length: 6.1m (20')
- ▶ Hopper length: 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

### 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: 89m³ (117yds³) @ 40°

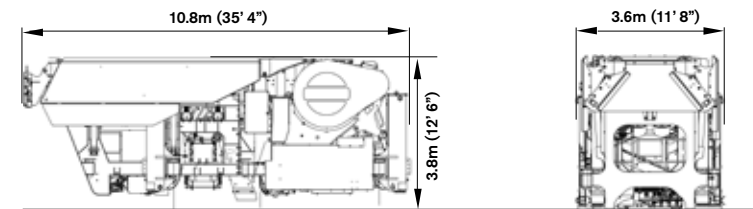
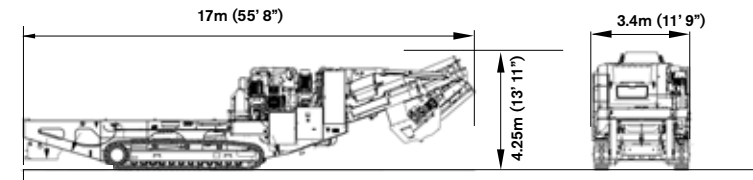
## Features:

- ▶ The plant's electrically driven power systems provide significant cost advantages and environmental efficiencies.
- ▶ The large feed width and gape enables the crusher to accept larger and coarser material reducing the need for hammering of oversized product
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered electric drive ensures precise chamber controls and reverse functionality for clearing blockages and assisting in construction demolition, asphalt and recycling applications.
- ▶ T-Link telematics hardware and software along with free seven year data subscription are fitted and installed as standard.

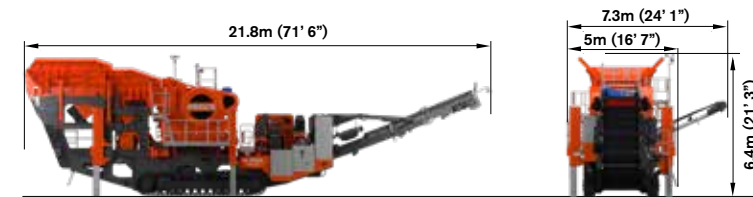


Machine Weight: 123,000kg (271,170lbs)\*  
\* Standard Machine - approximate weight

### Transport Dimensions



### Working Dimensions







**ALARMS**



**POSITION**



**UTILISATION**



**PLANT DATA**



**PERFORMANCE**

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