

 **TEREX** | FINLAY

IMPACT CRUSHER



I-120RS



WORKS FOR YOU.™

I-120RS

The Terex Finlay I-120RS shapes the future through innovation. This new generation impact crusher with redefined style and advanced technological design gives improved material flow and production capabilities in quarrying, mining, demolition and recycling applications. Incorporating the Terex® CR038 impact chamber with direct drive and advanced electronic control system the machine provides operators with high material reduction ratios and produces a consistent product shape.

A key component of the machine is the on-board innovative quick detach 3.66m x 1.53m (12' x 5') two deck screen. For applications not requiring recirculation of materials for further processing or stockpiling the complete screening and recirculating system can be quickly detached from the machine.

The high productivity, ease of maintenance and operation makes the machine an ideal solution for large scale producers and contract crushing operators.

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA: Caterpillar C9 257kW (350hp)

Stage IIIA Constant Speed: Scania DC9 273kW (365hp)

Tier 4 Final /Stage IV: Scania DC9 257kW (350hp)

IMPACT CHAMBER:

Terex CR038 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise inlet allowing extra inlet clearance

4 bar rotor - Martensitic blow bars 2 High & 2 Low

Direct Drive via Clutch

Drive belt tensioner wheel

Blow bar lifting tool supplied

Tip Speed range 36-45 m/sec (118-148 ft./sec)

HOPPER/FEDER:

Hopper capacity: 5m³ (6.5 yd³) and rear feed width of 2.1m (6' 10")

Fixed Hopper

Heavy duty vibrating feeder

Stepped grizzly feeder with integral pre-screen, standard 50mm spacing

Mesh aperture on grizzly feeder: 38mm

MAIN CONVEYOR:

Belt: 1.1m (44") full length

High spec scraper at main conveyor head drum

Piped for dust suppression c/w Spraybars

RS COMPONENTS:

Two Deck afterscreen: 3.66m X 1.53m (12' X 5')

Transfer conveyor: 500mm (20") collecting material from both screen decks

500mm (20") wide belt hydraulic folding re-circulating conveyor able to slew for stockpiling oversize material with a 4.68m discharge height

Fines conveyor: 1.4m (55") with a 3m discharge height

Rapid detach after screen system for flexibility

Piped for dust suppression c/w Spray bars

ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

T-Link Telemetry System fitted c/w 3 years data subscription

Impact Chamber

- ▶ Rotor diameter: Ø1033mm (41")
- ▶ Rotor width: 1100mm (44")
- ▶ Inlet opening: 1130mm (45") x 800mm (32")
- ▶ 4 Bar rotor standard- 2 high/2 low
- ▶ Direct drive via 'V' belts
- ▶ Hydraulic assisted apron setting
- ▶ Hydraulic release chamber protection

Main Conveyor

- ▶ Belt Width: 1.1m (44")
- ▶ Discharge Height: 3.5m (11' 5")
- ▶ High spec scraper at head drum
- ▶ Dust suppression standard
- ▶ Low level greasing standard
- ▶ Hydraulic lowering for transport
- ▶ Full length belt standard

Screenbox

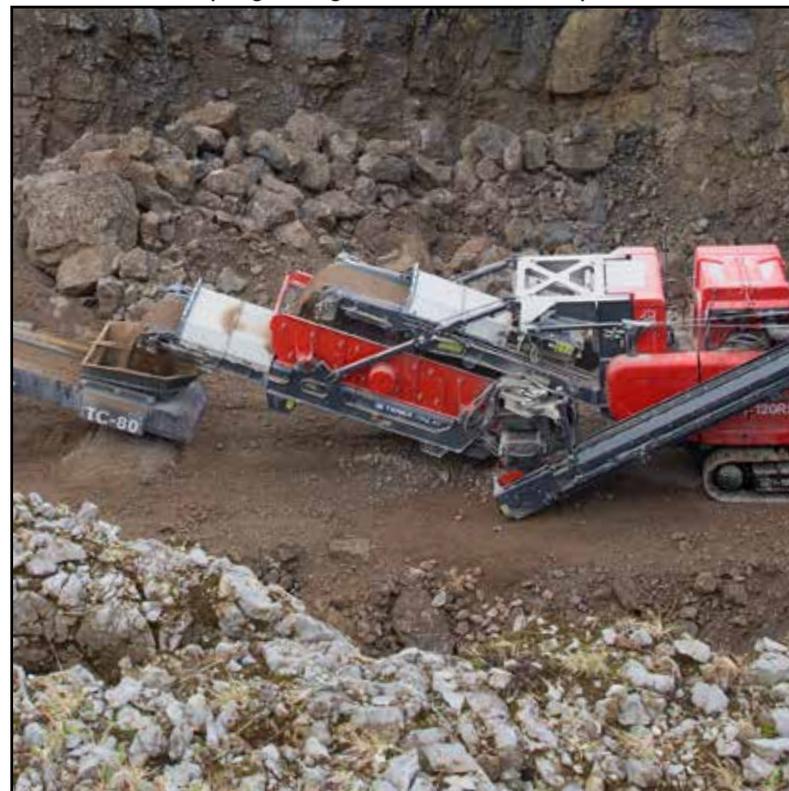
- ▶ Both decks: 3.66m x 1.53m (12' x 5')
- ▶ Side tensioning: both decks
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Screen can be lowered for mesh changing and general service access
- ▶ Complete RS System can be quick detached if not required

Fines Conveyor

- ▶ Belt Width: 1.4m (55") wide
- ▶ Discharge: 3m (9' 10")

Features:

- ▶ The ease of material flow through the machine has greatly improved with each component of the machine increasing in width as the material moves through the machine.
- ▶ Fully hydraulic apron setting assist provides convenient and efficient adjustment of the aprons
- ▶ Heavy duty vibrating feeder (VGF) with integrated prescreen removes dirt fines and sizes bypass material for reprocessing.
- ▶ Quick on-board detachable recirculating system including large 3.66m x 1.53m (12' x 5') two deck screen.
- ▶ Recirculating conveyor can be rotated from closed loop configuration or utilized for stockpiling making an additional oversized product.

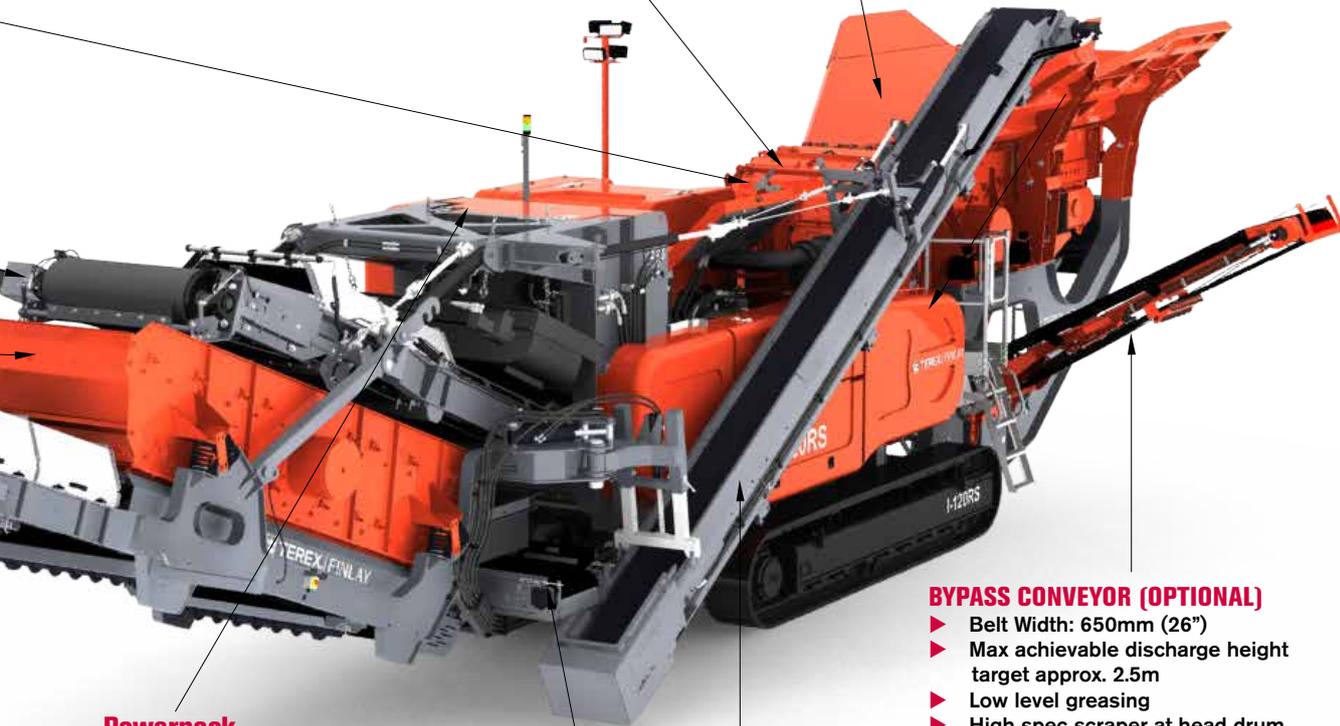


Independent Hydraulic Pre-screen (optional)

- ▶ 1,000mm (40") wide x 2,000mm (79") effective screening length
- ▶ 9° working angle
- ▶ Mesh and Punch Plate option

Hopper / Feeder

- ▶ Hopper capacity: 5m³ (6.5 yd³)
- ▶ Hopper capacity - With Ext: 8m³ (10.4 yd³) 4m (13' 1") rear feed width with hydraulic folding hopper extensions (optional)
- ▶ Hydraulic locking
- ▶ 8mm wear resistant side walls



BYPASS CONVEYOR (OPTIONAL)

- ▶ Belt Width: 650mm (26")
- ▶ Max achievable discharge height target approx. 2.5m
- ▶ Low level greasing
- ▶ High spec scraper at head drum

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C9
Engine Power: 257kW (350hp)
Engine Speed: 1700 rpm-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9
Engine Power: 248-273kW (365hp)
Engine Speed: 1500-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC9
Engine Power: 257kW (350hp)
Engine Speed: 1500 rpm-1900 rpm

Re-circulating conveyor:

- ▶ Belt Width: 500mm (20")
- ▶ Screen Angle: Fixed

Transfer Conveyor

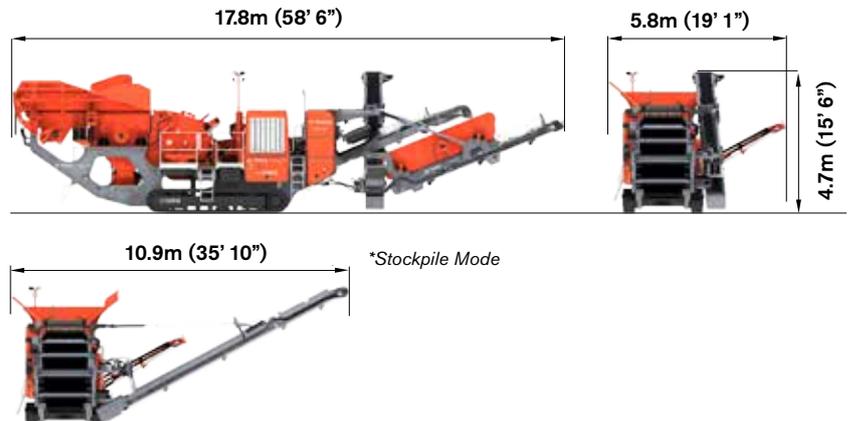
- ▶ Belt Width: 500mm (20")



Transport Dimensions



Working Dimensions

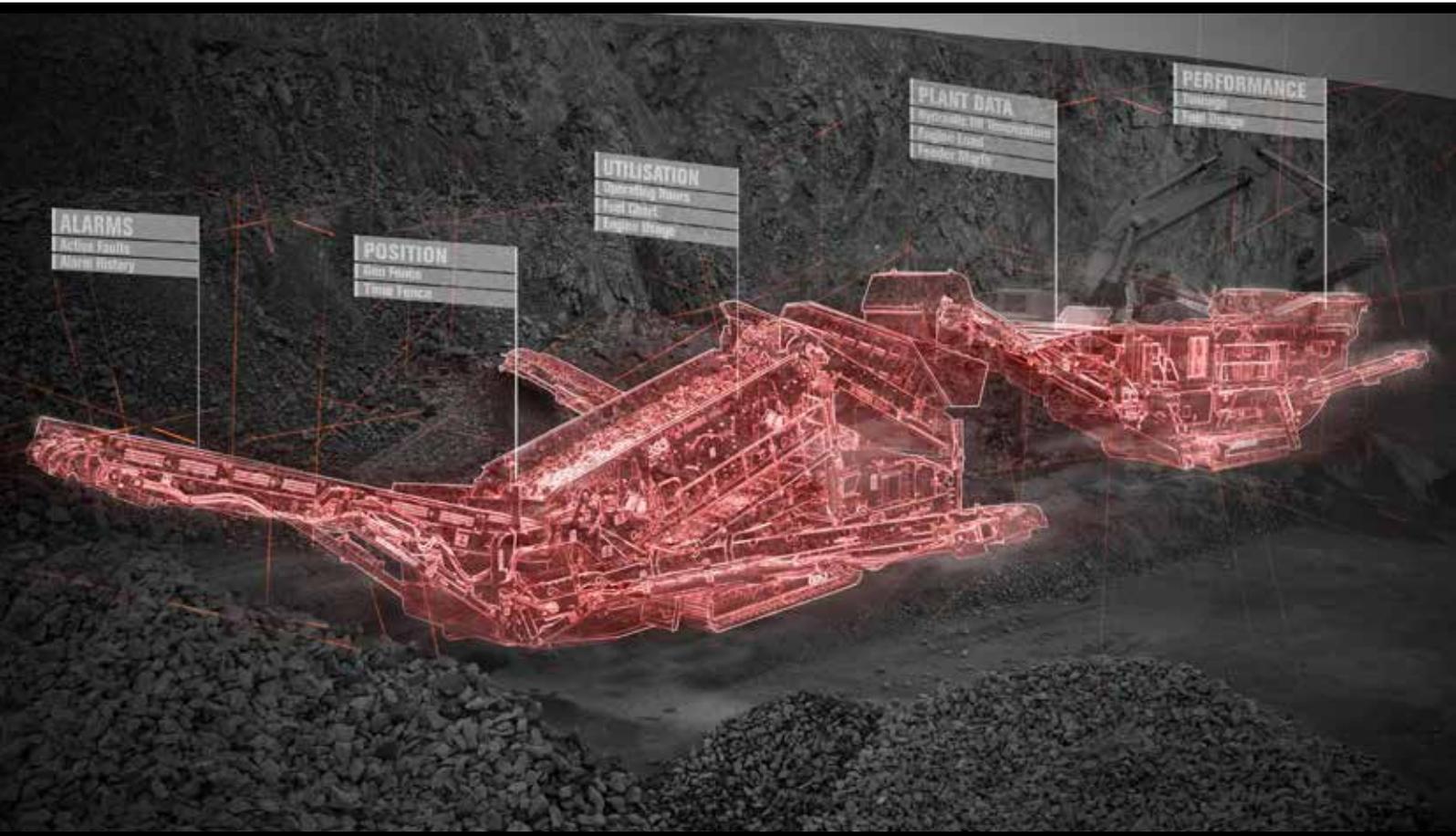


Machine weight: 48,150kg (106,153lbs*)
(*VGF, Hopper Extensions & Heavy Duty Magnet)

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FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

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