

FINLAY

I-120RS

IMPACT CRUSHER



BELL

I-120RS

The 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 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 Tier 3 ACERT. 280kW (375hp)

Stage IIIA Constant Speed: Scania DC9 292kW (392hp)

Tier 4 Final /Stage IV : Scania DC9 294kW (400hp)

IMPACT CHAMBER:

CR038 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise chamber flap 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/FEEDER:

VGF Fixed Hopper

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

Mesh aperture on grizzly feeder: 38mm

Selectable discharge to by-pass conveyor or main conveyor

Blanking mat for VGF

MAIN CONVEYOR:

Belt: 1.1m (44") full length

RS COMPONENTS:

3.66m X 1.53m (12' X 5') two deck after screen c/w 50mm top deck and 40mm bottom deck mesh as standard unless otherwise stated

500mm (20") wide belt single transfer conveyor collecting material from both decks

500mm (20") wide belt hydraulic folding re-circulating conveyor able to slew for stockpiling oversized material

1.4m (55") wide belt fines conveyor

Rapid detach after screen system for flexibility

ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

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

Radio remote System: Operational controls of machine (auto start/stop) & track movement

GENERAL:

Safety Guards in Compliance with Machinery Directive

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:

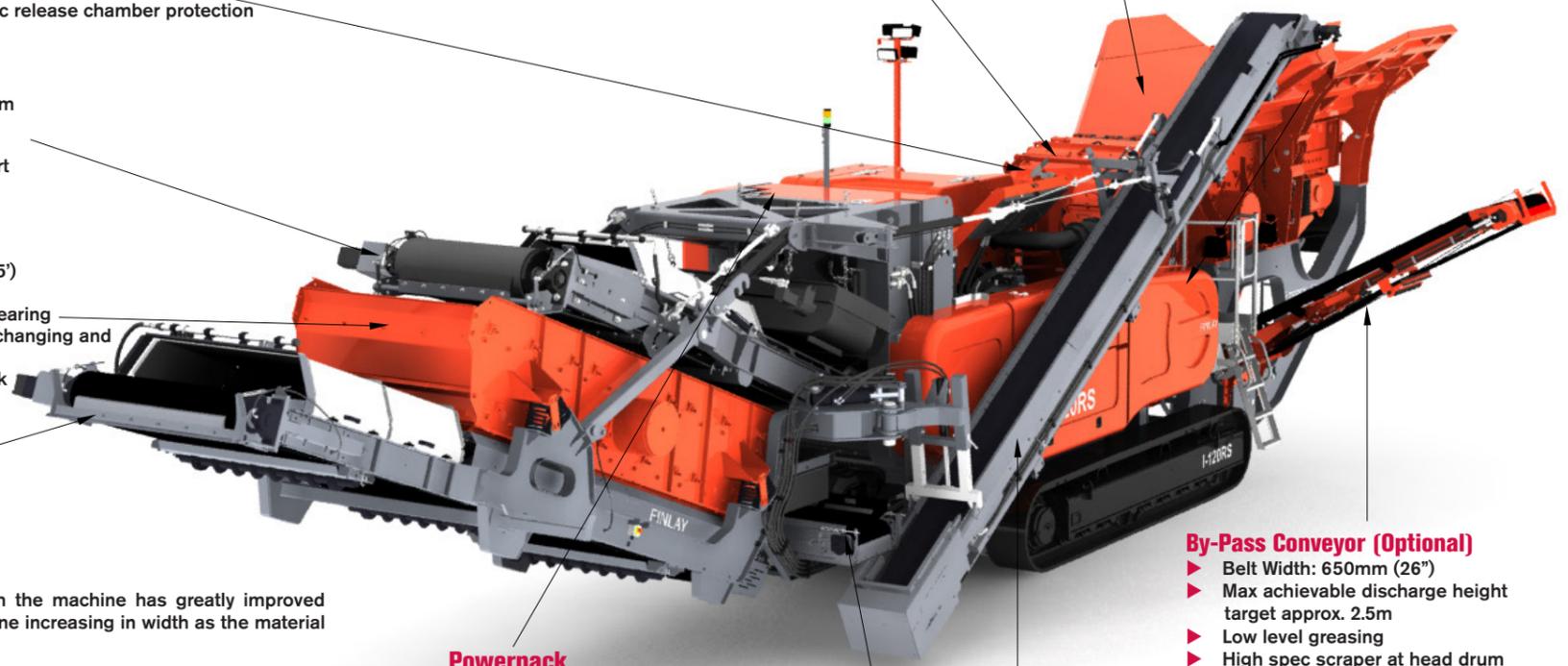
- ▶ The ease of material flow through the machine has greatly improved with each component of the machine increasing in width as the material moves through the machine.
- ▶ Fully hydraulic apron setting assist provides convenient and efficient adjustment of the aprons
- ▶ Heavy duty vibrating feeder (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



By-Pass Conveyor (Optional)

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

Re-circulating Conveyor:

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

Powerpack

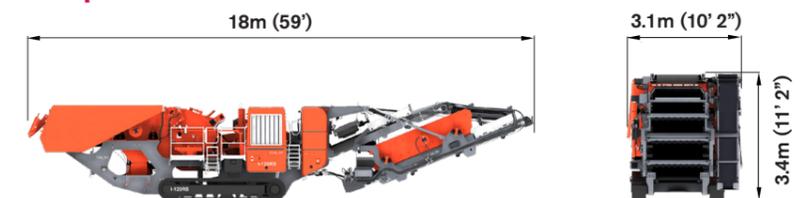
- ▶ Tier 3 / Stage IIIA: Caterpillar C9 Engine Power: 280kW (375hp) Engine Speed: 1700 rpm-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9 Engine Power: 292kW (392hp) Engine Speed: 1500-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC9 Engine Power: 294kW (400hp) Engine Speed: 1500 rpm-1900 rpm

Transfer Conveyor

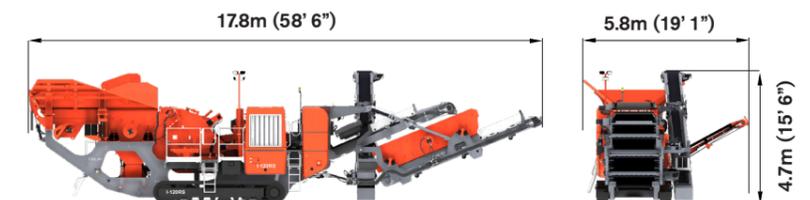
- ▶ Belt Width: 500mm (20")



Transport Dimensions



Working Dimensions



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

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GENUINE FINLAY Spare Parts...



Bell Equipment aims to keep you moving 24 hours a day, 7 days a week, 365 days a year.

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