

# FINLAY

## I-120

# IMPACT CRUSHER



**BELL**

## I-120

The second generation I-120 impact crusher has been designed with improved material flow and enhanced productivity in quarrying, mining, recycling and construction demolition applications. Incorporating the proven Finlay 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.

For operators in recycling and demolition applications the options of an underpan feeder and autoadjust on the chamber secondary apron are also available for the machine.

### 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

Hydraulic raise/ lower of main conveyor

#### AUXILIARY CONVEYORS:

Piped for over band magnet

#### CLIMATE SPEC:

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

#### DUST SUPPRESSION:

Piped for dust suppression c/w Spray bars

#### ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

#### GENERAL:

Safety Guards in Compliance with Machinery Directive

Variable Speed Tracking

# FINLAY

#### IMPACT CHAMBER

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

#### HOPPER / FEEDER

- ▶ Hopper capacity: 5m<sup>3</sup> (6.5 yd<sup>3</sup>)
- ▶ Hopper capacity - With Ext: 8m<sup>3</sup> (10.4 yd<sup>3</sup>)
- ▶ 4m (13' 1") rear feed width with hydraulic folding hopper extensions (optional)
- ▶ Hydraulic locking
- ▶ 8mm wear resistant side walls

#### 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

#### FEATURES

- ▶ Fully hydraulic apron setting assist provides convenient and efficient adjustment of the chamber aprons.
- ▶ Heavy duty vibrating feeder (VGF) with integrated prescreen removes dirt fines and sizes bypass material for reprocessing.
- ▶ Curved corners on the feeder wear plate to minimize the chances of material building up in the corners when running in sticky material.
- ▶ For efficient and safer onsite set up and tear down processes the hopper is hydraulically folded and locked from ground level.

#### 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

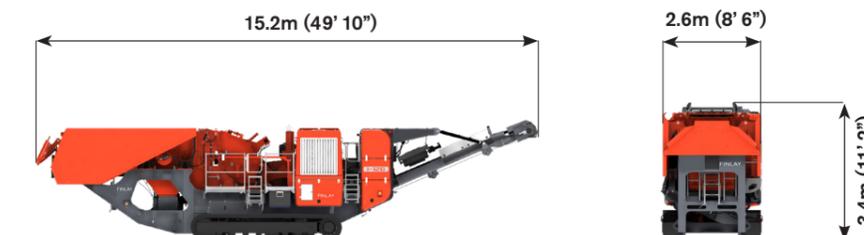
- ▶ Tier 3 / Stage IIIA: Caterpillar C9 Engine Power: 280kW (375hp) Engine Speed: 1700 rpm-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9 Engine Power: 292kW (392hp) Engine Speed: 1500-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC9 Engine Power: 294kW (400hp) Engine Speed: 1500 rpm-1900 rpm



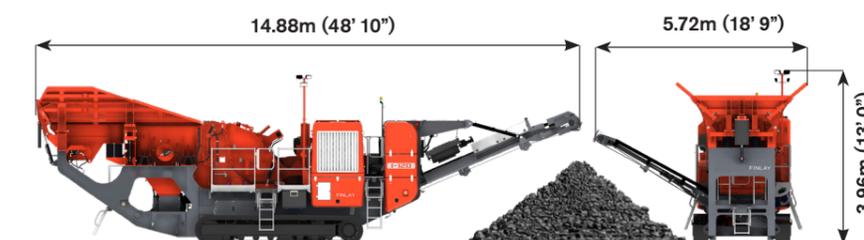
Machine weight: 37,000kg (81,571lbs) \*

(\*Pre-screen, Hopper Extensions, By-pass Conveyor & Twin Pole Magnet)

#### TRANSPORT DIMENSIONS



#### WORKING DIMENSIONS



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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.**

Whether you need jaw liners, meshes or replacement components, only genuine Finlay parts guarantee the safety, proper functioning and reliability of your equipment. Finlay supplies quality original parts to protect your investment and our knowledgeable product specialists help ensure you receive exactly what you need to get your equipment back on the job quickly & cost effectively.



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