

FINLAY

I-100RS

TRACKED MOBILE IMPACT CRUSHER



BELL

I-100RS

The NEW Finlay I-100RS direct drive Ø860mm x 860mm (Ø34" x 34") horizontal impact crusher with variable speed gives operators unprecedented levels of fuel efficiency and production in both recycling and quarrying applications. The machine features a 2.44m x 1.2m (8' x 4') single deck screen for sizing and recirculating oversize material back to the crushing chamber. The sizing screen can be quickly detached for applications that do not require resizing or recirculation of materials for further processing. The I-100RS features hydraulic folding of all conveyors providing rapid set-up times and easy point to point moves when operating on multiple sites.

Screenbox

- ▶ Top deck: 2.44m x 1.2m (8' x 4')
- ▶ Screen Angle: 20°
- ▶ Screen Speed: 1100rpm
- ▶ Screen and Fines can be quick detached if not required

STANDARD FEATURES

Impact Chamber:

Inlet opening: 860mm (34") x 610mm (24")

Rotor diameter: Ø860mm (34")

Rotor width: 860mm (34")

Rotor speed: 700rpm - 930rpm

Direct drive via clutch

Hydraulic assist apron setting

Hydraulic overload protection

Twin aprons

Minimum apron settings: 40mm Primary, 20mm Secondary

Maximum apron settings: 120mm Primary, 55mm Secondary

Blowbars: 4 bar apron, 2 high / 2 low standard

Hopper / Feeder:

2.3m³ (3.01yd³) capacity

8mm wear resistant steel side walls

Vibrating Grizzly Feeder: 3.27m x 800mm (10' 9" x 32")

Feed-in height: 3.2m (10' 6")

Main Conveyor:

Belt width: 900mm (36")

Full length main conveyor with impact bars at feed point

Discharge Height: 3.25m (10' 8")

Undercarriage:

Bolt on tracks

Shoe: 400mm (16")

Sprocket centres: 3.7m (12' 1")

By-pass Conveyor - optional

Belt Width: 500mm (20")

Discharge height: 2.03m (6' 8")

Control Systems

Advanced CANBUS compliant system

Large colour display screen

4 operating modes:

- Automatic mode
- Manual mode
- Track mode
- Configuration / Test mode

RS- Components

Foldable head sections for transport

Screenbox: single deck 2.44m x 1.2m (8' x 4')

Belt: 1.2m (3' 11")



Tank Capacities

- ▶ Hydraulic Tank: 350litres / 77 UK gal/ 92 US gal
- ▶ Fuel Tank: 400 litres / 88 UK gal/ 105 Us gal

Features:

- ▶ Direct drive Ø860mm x 860mm (Ø34" x 34") crusher chamber with unique belt tensioner system allowing for rapid adjustment.
- ▶ Hydraulic apron setting assist provides convenient and efficient adjustment of the aprons and hydraulic overload protection in event that an un-crushable object enters chamber.
- ▶ Detachable 2.44m x 1.2m (8' x 4') single deck screen returns oversize material back to the crusher via the on-board recirculating system.
- ▶ Quick and easy detachable screen, fines and transfer conveyor for open circuit crushing.



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Main Conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Working Angle: 22°
- ▶ Speed: 95-110m/min
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Discharge Height: 3.25m (10' 8")

Magnet Separator (Optional)

- ▶ Belt Width: 750mm (30")
- ▶ Drum Centres: 1.49m (58")

Hopper / Feeder

- ▶ Hopper capacity: 2.3m³ (3.01yd³)
- ▶ Feed height: 3.2m
- ▶ Material: 8mm wear resistant steel
- ▶ Vibrating Grizzly feeder (VGF): 3.27m x 800mm (10' 9" x 32")

Override Transfer Conveyor

- ▶ Belt width: 500mm
- ▶ Belt spec: Plain
- ▶ Speed: Adjustable

Impact Chamber

- ▶ Rotor diameter: Ø860mm (34")
- ▶ Rotor width: 860mm (34")
- ▶ Inlet opening: 860mm x 610mm (34" x 24")
- ▶ Rotor speed Range: 700rpm - 930rpm
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Maximum apron settings: 120mm Primary, 55mm Secondary
- ▶ Minimum apron settings: 40mm Primary, 20mm Secondary

By-Pass Conveyor (Optional)

- ▶ Belt Width: 500mm (20")
- ▶ Working Angle: 23°
- ▶ Speed: 60-70mpm
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.03m (6' 8")

Re-Circulating Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Plain

Powerpack

- ▶ Tier 4i: Stage IIIB : Scania DC9 78A - 275hp (202kW) (EU SPEC)
Engine Speed: 1500-2000RPM
- ▶ ROW (Tier 2 or equivalent): Scania DC9 275hp (202kW) Engine Tier 2
Engine Speed: 1500-2000RPM

Undercarriage

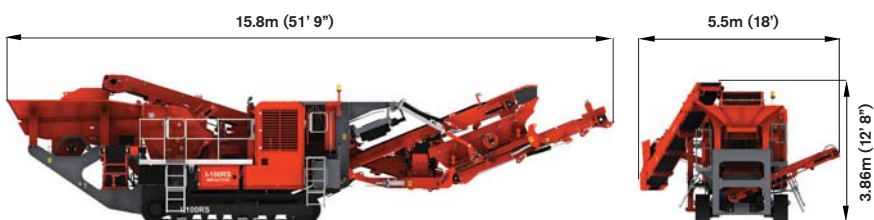
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.7m (12' 1")
- ▶ Gradeability: 25°



Transport Dimensions



Working Dimensions



Machine Weight: 32,500kgs (71,650lbs)*
* magnet & dirt conveyor

BELL

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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