



TRACKED MOBILE IMPACT CRUSHER



I-100RS



WORKS FOR YOU.™

I-100RS

The Terex® 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.

STANDARD FEATURES

Engine

Tier 2 Equivalent: Scania DC09 202kW (270hp)

Tier 4 Final / Stage IV : Scania DC09 - 202kW (275hp)

Impact Chamber:

Terex CR004 Impact chamber

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

Full Hydraulic apron setting

Direct Drive via Clutch

Hopper / Feeder:

Hopper Capacity: 2.3m³ (3.01 yd³)

Heavy duty vibrating feeder

Stepped grizzly feeder with integral pre-screen, standard 35mm Tines spacing

Mesh aperture on grizzly feeder: 30mm

Selectable discharge to by-pass conveyor or main conveyor

Main Conveyor:

Belt Width: 900mm (36") full length

High spec scraper at head drum

Piped for dust supression c/w Spraybars

RS Components

8' X 4' Single Deck Screen - supplied with 40mm mesh

Fines Conveyor 1.2m belt - hydraulically folding for transport

Transfer Conveyor 500mm belt - Hydraulically folding for transport

Recirculating Conveyor 500mm Belt - Hydraulically folding for transport

Screen, Fines & transfer conveyor can be removed as single component

General:

Piped for overband magnet

Hand Held Track Control Set with Connection Lead

Safety Guards in Compliance with Machinery Directive

Galvanised catwalk c/w handrail, kick board and access ladders

Heavy Duty Track Unit - 3.7m (12' 2") Sprocket Centres, 400mm (16") Shoe Width

Emergency stops



Screen Box

- ▶ Top deck: 2.44m x 1.2m (8' x 4')
- ▶ Tensioning top deck: Side Tension
- ▶ Drive: Hydraulic Motor
- ▶ Screen Angle: 20°
- ▶ Screen Speed: 1100 rpm
- ▶ Screen can be lowered to a horizontal position for mesh changing and general service access
- ▶ Screen and Fines can be quick detached if not required
- ▶ Total screening area: 32ft²

Main Conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: plain
- ▶ Working Angle: 22°
- ▶ Speed: 95 - 110 m/min
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Main conveyor can be lowered hydraulically for maintenance
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Discharge Height: 3.25m (10' 8")
- ▶ Stockpile capacity: 51m³ (66.7yd³) @ 40°

By-Pass Conveyor (Optional)

- ▶ Belt Width: 500mm (20")
- ▶ Belt Spec: plain
- ▶ Working Angle: 25°
- ▶ Speed: 60 - 70 mpm
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.03m (6' 8")
- ▶ Stockpile capacity: 13.8m³ (18yd³) @ 40°

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.

Oversize Transfer Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Plain
- ▶ Working Angle: 20°
- ▶ Speed: Adjustable
- ▶ Hydraulically folds for transport

Impact Chamber

- ▶ Rotor diameter: Ø860mm (34")
- ▶ Rotor width: 860mm (34")
- ▶ Inlet opening: 860mm x 610mm (34" x 24")
- ▶ Rotor speed Range: 700 rpm - 930 rpm
- ▶ Maximum Feed Size: Dependant on application
- ▶ 350mm Cube Approx
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Twin Apron
- ▶ Maximum apron settings: 120mm Primary, 55mm Secondary
- ▶ Minimum apron settings: 40mm Primary, 20mm Secondary
- ▶ Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- ▶ Hydraulic overload protection
- ▶ Hydraulic apron setting assist
- ▶ Blowbar options: Martensitic (standard), Ceramic & High Chrome

Hopper / Feeder

- ▶ Hopper capacity: 2.3m³ (3.01yd³)
- ▶ Feed height: 3.20m (10' 6")
- ▶ Material: 8mm wear resistant steel
- ▶ Width at rear: 2.26m (7' 5")
- ▶ Vibrating Grizzly feeder (VGF): 3.27m x 800mm (10' 9" x 32")
- ▶ VGF tine aperture: 25mm Standard
- ▶ VGF wire mesh aperture: 30mm Standard
- ▶ Speed: variable, 450 - 850 rpm

Re-Circulating Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Plain
- ▶ Working Angle: 17°
- ▶ Speed: Adjustable
- ▶ Hydraulically folds for transport

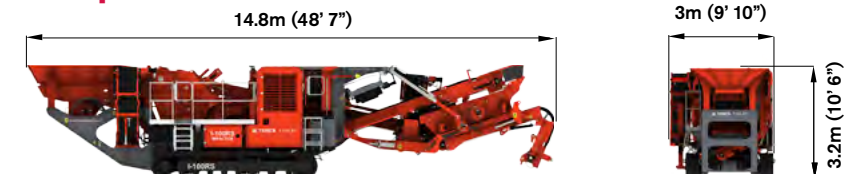
Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.7m (12' 1")
- ▶ Track Speed: 0.6 km/h
- ▶ Gradeability: 25°

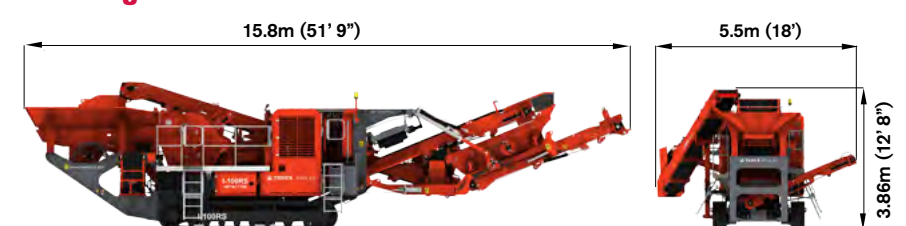
Powerpack

- ▶ Tier 2 Equivalent: Scania DC09
- ▶ Engine Power: 202kW (270hp)
- ▶ Engine Speed: 1500 - 2000 rpm
- ▶ Tier 4F / Stage IV: Scania DC09
- ▶ Engine Power: 202kW (275hp)
- ▶ Engine Speed: 1500 - 2000 rpm

Transport Dimensions



Working Dimensions



Machine Weight: * 33,500kg (73,855lbs)
* With by-pass conveyor & twin pole magnet

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