

# IMPACT CRUSHER



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# I-110

The Terex Finlay I-110 tracked impact crusher has been specifically designed for quarrying, mining, recycling and demolition applications. The Terex Finlay I-110 features a Ø1000mm x 1000mm (Ø40" x 40") hydrostatic drive impact chamber with variable rotor speed. The advanced electronic control system monitors and controls the speed of the rotor and regulates the VGF with integrated pre-screen to maintain a consistent feed of material into the impact chamber while maintaining optimal crushing capacity. The machine provides operators high material reduction ratios and produces a consistent product shape.

## Features:

- ▶ Fully hydraulic assisted apron setting features makes adjustment of the aprons convenient and efficient.
- ▶ Heavy duty vibrating feeder (VGF) with integral pre-screen removes dirt fines and sizes bypass material for reprocessing.
- ▶ Under crusher vibratory plate feeder with wear resistant liners aids material discharge flow and reduces under crusher blockages.
- ▶ Crusher chamber is supplied with a 4 bar rotor as standard with a 3 bar rotor available as an option.

## STANDARD FEATURES

### Engine:

Tier 3 / Stage IIIA: Cat C9 300hp (224kW)

Tier 4i / Stage IIIB: Scania DC9 83A 350hp (257kW)

### Chamber:

4 bar rotor - Martensitic blow bars 2 High & 2 Low - 1000mm x 1000mm (40" x 40")

Hydrostatic drive and advanced electronic control system

### HOPPER/FEEDER:

Hopper capacity: 5m<sup>3</sup> (6.5yd<sup>3</sup>)

Heavy duty vibrating feeder (VGF) with integral prescreen

Grizzly bar spacing 40mm standard

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 40mm

### Main Conveyor:

Belt: 900mm (36") Wide

High spec scraper at main conveyor head drum

Piped for Dust suppression complete with spray bars

### General:

Galvanised catwalk c/w handrail, kickboard and access ladders

Hand Held Track Control Set with Connection Lead

Single speed tracking

Heavy duty track unit - 3.28m (10' 9") sprocket centres, 400mm (16") shoe width

Safety Guards in Compliance with Machinery Directive

Emergency stops



### Impact chamber

- ▶ Rotor diameter: Ø1000mm (40")
- ▶ Rotor width: 1000mm (40")
- ▶ Inlet opening: 900mm x 830mm (35" x 32")
- ▶ Rotor speed Range: 520 – 800 rpm
- ▶ Maximum feed size 500mm (20") depends on material
- ▶ Drive arrangement: Hydrostatic Drive
- ▶ Twin Apron
- ▶ Maximum apron settings: Primary: 200mm (8") Secondary: 100mm (4")
- ▶ Minimum apron settings: Primary: 50mm (2") Secondary: 20mm (3/4")
- ▶ Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- ▶ Rotor speed Range: 520 – 800 rpm
- ▶ Hydraulically opens for access
- ▶ Simple wrench adjustment of breaker plates, hydraulic assist
- ▶ Blowbar options: Martensitic (standard), ceramic & high chrome

### Hopper / Feeder

- ▶ Hopper capacity: 5m<sup>3</sup> (6.5yd<sup>3</sup>)
- ▶ Feed height: 3.39m (11' 2")
- ▶ Material: 10mm (3/8") wear resistant steel
- ▶ Width at rear: 1.73m (5' 8")
- ▶ Vibrating Grizzly feeder (VGF): 1.39m x 940mm (4' 7" x 3' 1")
- ▶ VGF grizzly aperture: 40mm standard (75mm, 100mm optional)
- ▶ VGF wire mesh aperture: 38mm
- ▶ Speed range: variable 450-800 rpm
- ▶ Optional Hopper extensions - 8m<sup>3</sup> (10.4yd<sup>3</sup>)
- ▶ Locking mechanism: manual
- ▶ Extensions Hydraulically folding sides and rear

### Powerpack

Tier 4i / Stage IIIB: Scania DC9 77A  
Engine Power: 350hp (257kW)  
Engine Speed: 2000 rpm

▶ ROW (Tier 3 or equivalent) Tier 3 / Stage IIIA: Caterpillar C9  
Engine Power: 300hp (224kW)  
Engine Speed: 2000 rpm

### Main conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: plain
- ▶ Working Angle: 22°
- ▶ Speed: 105 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: 3.3m (10' 10")
- ▶ Stockpile capacity: 53.5m<sup>3</sup> (70yd<sup>3</sup>) @ 40°
- ▶ Optional vibratory undercrusher feeder with wear resistant liners and 2/3 length main conveyor

### Magnet (optional)

### Undercarriage

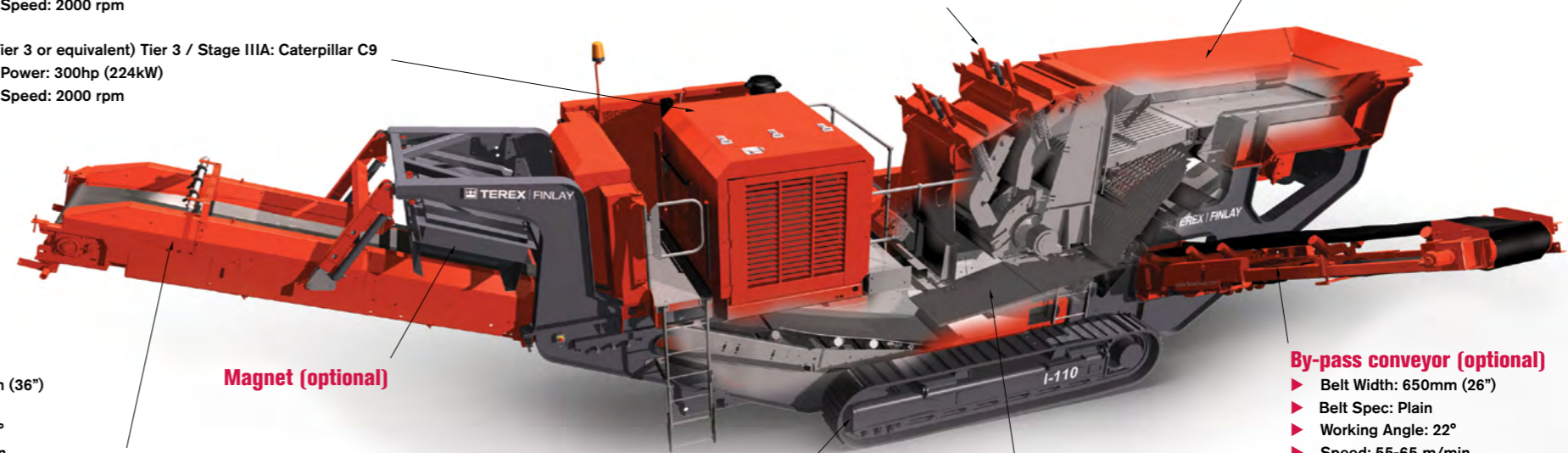
- ▶ Bolt on tracks
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Track Speed: 1.1 km/h
- ▶ Gradeability: 25°

### Under crusher vibratory feeder (optional)

- ▶ Perfect for recycling and demolition applications where belt protection is required

### By-pass conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 55-65 m/min
- ▶ Universal mounting to left or right hand side (Specify at time of order)
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2m (6' 7")
- ▶ Stockpile capacity: 11.9m<sup>3</sup> (15.6yd<sup>3</sup>) @ 40°
- ▶ Optional extended discharge height: 2.9m (9' 6")
- ▶ Extended Stockpile capacity: 36.3m<sup>3</sup> (47.5yd<sup>3</sup>) @ 40°

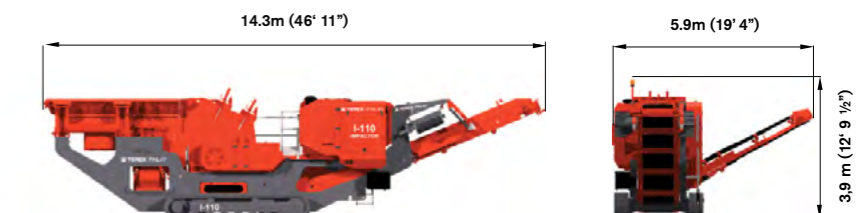


Machine Weight: 34,000Kg (74,957lbs)\*  
\*Standard Machine configuration

## Transport Dimensions



## Working Dimensions



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