

# TEREX® | FINLAY



## I-110 IMPACT CRUSHER

### SPECIFICATION:

Rotor Size:

Ø1000mm x 1000mm (Ø40" x 40")

Net Engine Power: Tier 3 / Stage IIIA:  
Stage IIIA Constant Speed:  
Tier 4F / Stage IV:

Caterpillar C9 Tier III ACERT 224kW (300hp)  
Scania DC09 273kW (365hp)  
Scania DC09 257kW (350hp)

Portability:

Tracked

Operating Weight:

34,000kg\* (74,957lbs\*)

*\*Without by-pass and magnet options*

# SPECIFICATION

## 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

## 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

Hydraulically opens for access

Simple wrench adjustment of breaker plates, hydraulic assist

Blowbar options: Martensitic (standard), ceramic & high chrome

## 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



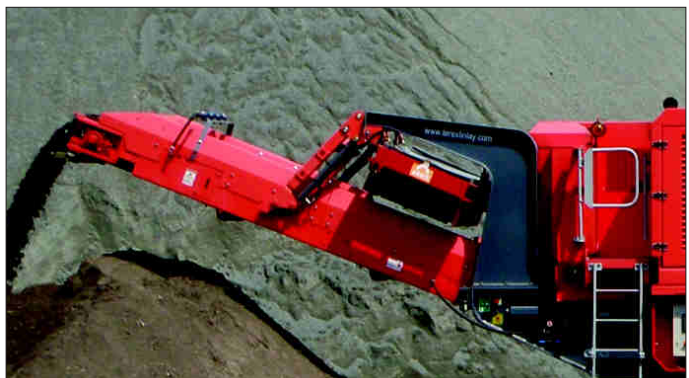
Hopper and Feeder



Impact Chamber



Main Conveyor



Main Conveyor



## POWERPACK

Tier 3 / Stage IIIA: Caterpillar C9 Tier III ACERT  
Engine Power: 224kW (300hp)  
Engine Speed: 2000 rpm

Stage IIIA Constant Speed: Scania DC09  
Engine Power: 273kW (365hp)  
Engine Speed: 1800 rpm

Tier 4F / Stage IV: Scania DC09  
Engine Power: 257kW (350hp)  
Engine Speed: 2000 rpm



Scania Engine



Cat Engine

## TANK CAPACITIES

Hydraulic Tank: 730 litres / 161 UK gal / 193 US gal

Fuel Tank: 440 litres / 96.7 UK gal / 116 US gal

## 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: 11.9m³ (15.6yd³) @ 40°

Optional extended discharge height: 2.9m (9' 6")

Extended Stockpile capacity: 36.3m³ (47.5yd³) @ 40°



By-pass Conveyor

## MAGNETIC SEPERATOR (OPTIONAL)

Suspended self cleaning crossbelt overband magnet

Belt Width: 750mm (30")

Drum Centres: 1.59m (62")

Drive: Hydraulic



Magnet Separator

## UNDERCARRIAGE

Bolt on tracks

Shoe Width: 400mm (16")

Sprocket Centres: 3.28m (10' 9")

Track Speed: 1.1 km/h

Gradeability: 25°



Undercarriage

## TOOL BOX

Mounted lockable tool box

Tool kit

Grease gun

Manuals

## CHUTES

Heavy duty inlet chute with bolt-up construction, and liner plates

By-pass chute with selectable discharge flop gate, to either by-pass conveyor or main conveyor

**WORKS FOR YOU.**™

## CONTROL SYSTEM

Advanced CANBUS compliant system

Large display screen

Simple operating modes with menu driven graphic user interface

- Track mode: for moving machine
- Manual Mode: for manually starting machine
- Automatic Mode: For automatically starting machine in predetermined sequence
- Language Mode: To select required language
- Test Mode: to test run individual components
- Engine Diagnostic: showing engine information e.g. hours, rpm, etc.
- Configuration Mode: For setting individual components

Detachable doglead control for tracking

Radio remote control (optional)

Lockable compartment

Emergency stops: 6 off

## PLATFORMS

Galvanised catwalks and ladders for full maintenance and service access

Catwalks on left hand side

Compact folding for transport

## REMOTE CONTROL UNIT (OPTIONAL)

Full function radio remote unit

Machine can be switched from crushing mode into track mode, moved and be switched back to operating mode from remote control unit

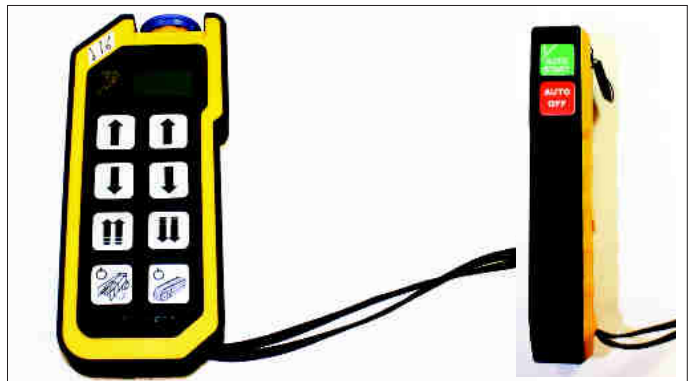
Feeder stop / start



Control System



Platforms



Remote Control Unit (Optional)



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## STANDARD FEATURES

### ENGINE:

Tier 3 / stage IIIA - Caterpillar C9 Tier III ACERT 224kW (300hp)

Stage IIIA Constant Speed: Scania DC09 273kW (365hp)

### IMPACT CHAMBER:

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

Hydrostatic drive

Please contact the sales department for blowbar options

### HOPPER / FEEDER:

Fixed Hopper

Selectable discharge to by-pass conveyor or main conveyor

Grizzly Bar spacing 40mm as standard

Mesh aperture on grizzly feeder: 30mm

Blanking mat for VGF

### MAIN CONVEYOR:

Belt width: 900mm (36")

### AUXILIARY CONVEYORS:

Piped For overband magnet

### CLIMATE SPEC:

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

### DUST SUPPRESSION:

Piped for Dust suppression complete with spray bars

### ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

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

### GENERAL:

Safety guards in compliance with machinery directive

Single speed tracking

## OPTIONAL EQUIPMENT

Tier 4 Final / Stage IV: Scania DC09 257kW (350 hp)

Manual gantry for assisting blow bar change (check leadtime)

3 bar impact rotor

Grinding Path (3rd Apron in Crushing Chamber)

Optional Grizzly bar spacing 75mm or 100mm (please specify aperture required)

25mm punch plate in grizzly feeder

Hydraulically folding hopper extensions

Belt weigher

Undercrusher vibratory feeder c/w shortened main conveyor

By-pass conveyor - 650mm beltwidth

Extended by-pass conveyor, 650mm beltwidth

Twinpole over band magnet (c/w stainless steel skirting & stainless steel discharge chute )

Twinpole heavy duty overband magnet (skirting & chute as above) (please check leadtime)

Hot climate oils - (Recommended for ambient temperatures between +15 to +50°C)

Cold climate oils - (Recommended for ambient temperatures between -20 to +30°C)

Hot climate cooler pack (For above +40°C ambient). Note Includes hot climate lubrication kit

Hydraulically driven water pump

Radio remote System

Control Panel Positive Pressurisation

Lighting mast (check leadtime)

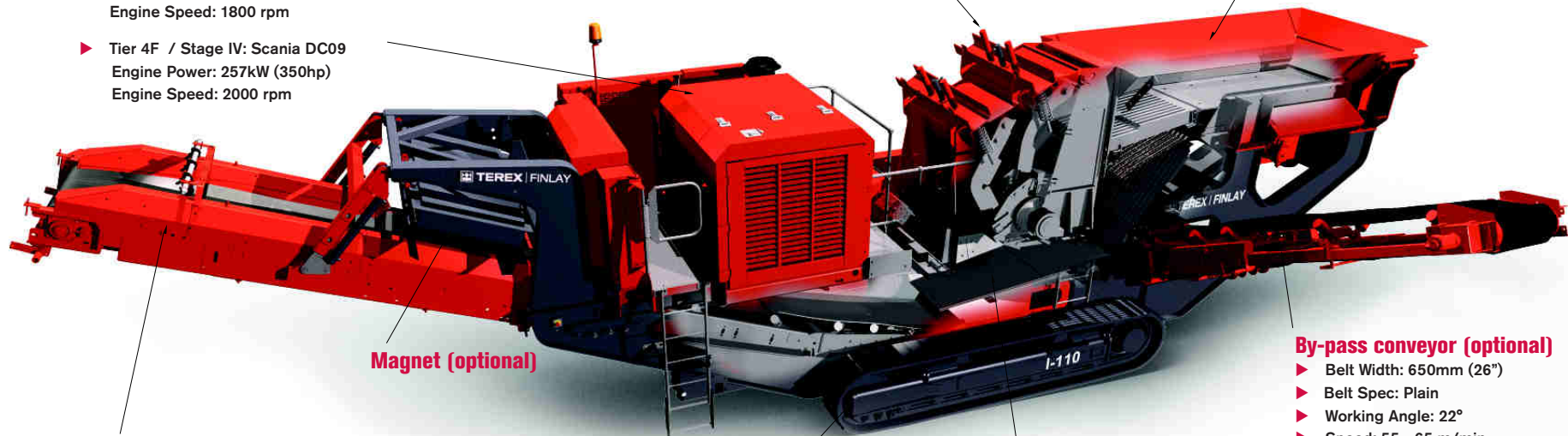
1 nr Stockpiler Drive (requires 1 Aux Drive)

Special paint (if different from Finlay Orange RAL2002).

RAL must be specified



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### Powerpack

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Engine Power: 257kW (350hp)  
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### Impact chamber

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- ▶ 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")
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- ▶ Optional Hopper extensions - 8m<sup>3</sup> (10.4yd<sup>3</sup>)
- ▶ Locking mechanism: manual
- ▶ Extensions Hydraulically folding sides and rear

### Magnet (optional)

### 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
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- ▶ 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

### 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)

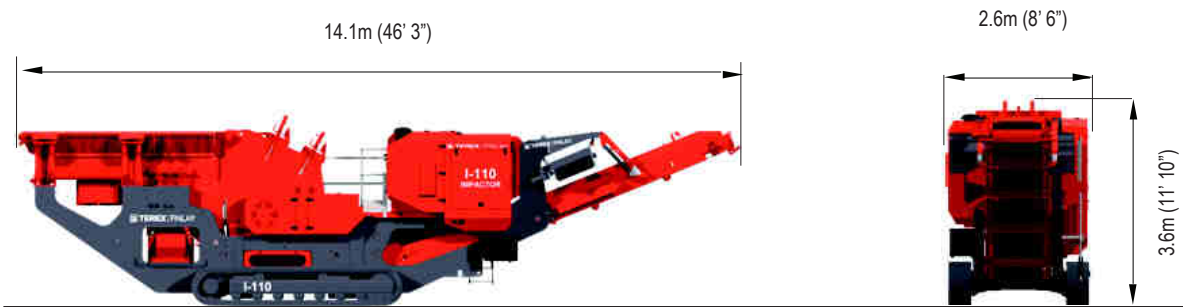
- ▶ Perfect for recycling and demolition applications where belt protection is required

### By-pass conveyor (optional)

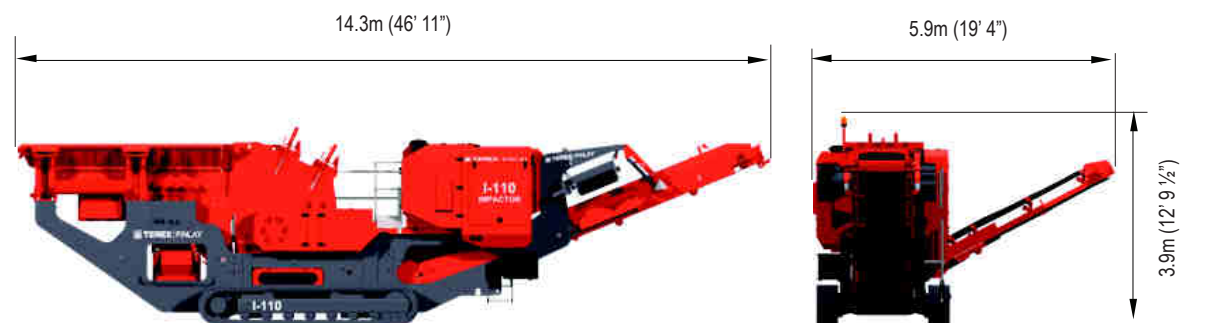
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- ▶ Speed: 55 - 65 m/min
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- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2m (6' 7")
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## TRANSPORT DIMENSIONS



## WORKING DIMENSIONS



**MACHINE WEIGHT: 34,000kg (74,957lbs) \***

\*Standard Machine configuration (Without By-Pass Conveyor or Magnet)

For further information on specific machine weight configurations please consult Terex Finlay



