



TEREX | FINLAY



I-110

I-110RS

IMPACT CRUSHER WITH RECIRCULATION FACILITY

Efficiency, Versatility & Performance...

The Terex Finlay I-110 Impactor is specifically designed for the Quarrying, Mining, Recycling & Demolition industries.

The machine is fitted with a 1000mm x 1000mm (40" x 40") Impactor chamber and mounted on a heavy-duty undercarriage for on-site mobility.

With hydrostatic drive, heavy duty vibrating feeder (VGF) with integral pre-screen & under-crusher vibratory feeder with wear resistant liners the I-110 delivers maximum performance and efficiency reducing downtime whatever the application.

The I-110 is also fitted with an advanced CANBUS compliant electronic control system. The 5 simple operating modes and graphical user interface all add to the simplicity of use.



Hopper and Feeder

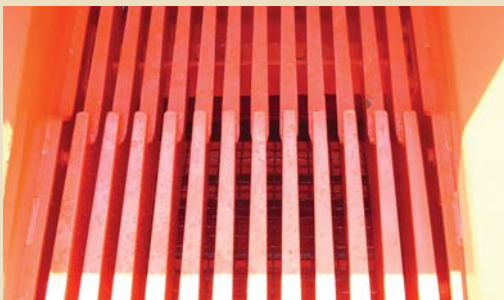
The machine has a hopper capacity of 5m³ (6.5yd³); or as an option hydraulically folding extensions are available giving 9m³ (10.4yd³) capacity. The hopper is fitted with a 1390mm x 940mm (4'7" x 3' 1"), hydraulically driven variable speed stepped vibrating grizzly feeder.

I-110 Impact Crusher



By - pass chute

Material is screened by the stepped grizzly feeder before entering the impact chamber, maximising plant throughput. Fines material can be directed to the optional by-pass conveyor, or onto the main conveyor. The standard grizzly bar spacing is 40mm(16"), with 3 other sizes available as options.



At a Glance

- ▶ Impact Chamber 1000 x 1000mm (40" x 40")
- ▶ Hydrostatic drive & advanced electronic control system
- ▶ Cat C9 Acert 223kW (300HP) water cooled diesel engine
- ▶ Heavy duty vibrating feeder (VGF) with integral pre-screen
- ▶ Hopper capacity 5m³ (6.5yd³)
- ▶ Selectable discharge to by-pass chute or main conveyor
- ▶ Undercrusher vibratory plate feeder with wear resistant liners
- ▶ Skirting on main conveyor
- ▶ High specification scraper at main conveyor head drum
- ▶ Single speed tracking 'Soft Start'
- ▶ Excellent access for all major service areas.
- ▶ Optional overband magnet available

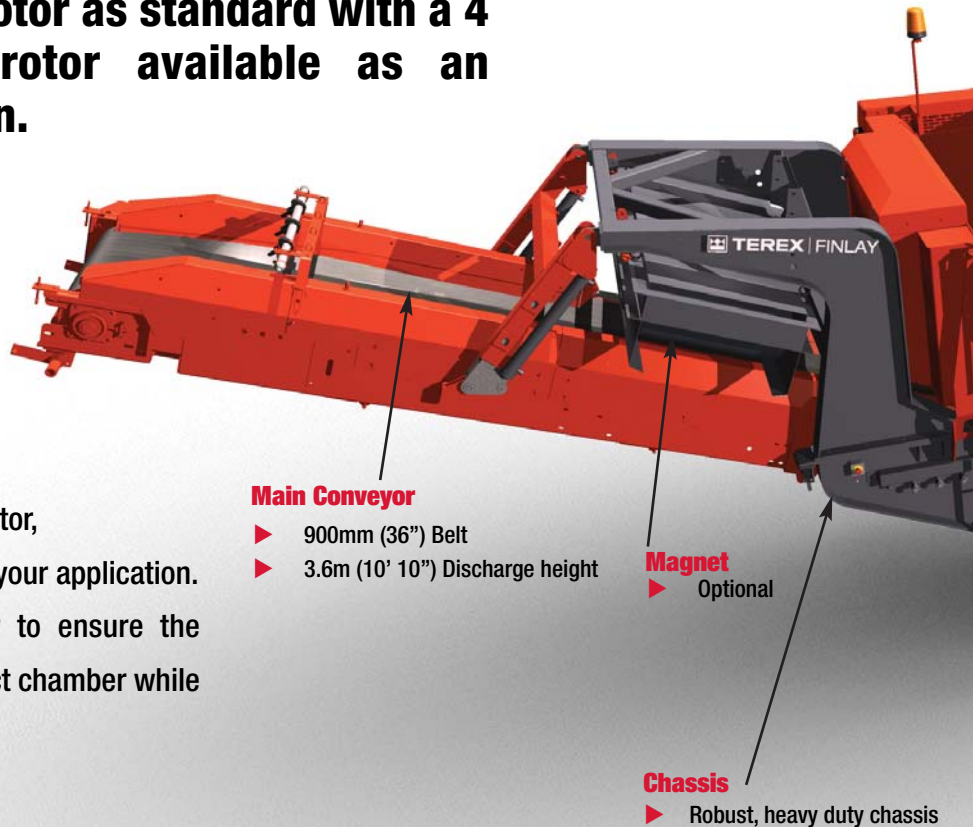
Impact Chamber

The 1000 x 1000mm (40" x 40") impact chamber at the core of the machine there is a proven track record on performance offering high throughput capacity and excellent reduction. The chamber is supplied with a 3 bar rotor as standard with a 4 bar rotor available as an option.



The chamber has a hydraulic assisted setting feature which makes adjustment of the aprons easy.

The advanced electronic control system monitors and controls the speed of the rotor, 5 pre-set speeds can be selected to suit your application. The system also regulates the feeder to ensure the consistent feed of material into the impact chamber while maintaining optimal crushing conditions



Main Conveyor

- ▶ 900mm (36") Belt
- ▶ 3.6m (10' 10") Discharge height

Magnet

- ▶ Optional

Chassis

- ▶ Robust, heavy duty chassis

STANDARD FEATURES:

Engine:

-Caterpillar C9 Acert Watercooled Diesel Engine 223kW (300HP)

Chamber:

-Impact chamber 1000mm x 1000mm (40' x 40')
-Hydrostatic drive and advanced electronic control system

Hopper / Feeder:

-5m³ Hopper (6.5yd³)
-Heavy duty vibrating feeder (VGF) with integral pre-screen
-Grizzly Bar spacing 40mm (16") as standard
-Mesh aperture on grizzly feeder: 30mm (12")

Main Conveyor:

-Selectable discharge to by-pass conveyor chute or main conveyor
-Undercrusher vibratory plate feeder with wear resistant liners
-Skirting on main conveyor
-High specification scraper at main conveyor head drum

General:

-Separate central operator's panel
-Piped For Dust suppression
-Galvanised catwalk c/w handrail, kickboard and access ladders
-Heavy duty undercarriage with 400mm (16") shoes
-Control operation of tracks with 5m (200") connection lead
-Single speed tracking with soft start
-Guards to 'M&Q' Specification
-Low level greasing
-Emergency stops (6 Nr)

I-110 Impact Crusher

Powerunit

- ▶ CAT C9 224kW (300HP)
- ▶ Hydrostatic transmission
- ▶ Electronic control system
- ▶ Catwalk access

Catwalks

- ▶ Convenient access around machine

Impact Chamber

- ▶ Ø40" (1m) x 40" (1m) Rotor
- ▶ Hydrostatic drive
- ▶ Hydraulic assisted adjust

Rotor Size:	Ø1000mm x 1000mm Ø40" x 40"
Net Engine Power:	224kW @ 2000 rpm 300HP
Portability:	Tracked
Operating Weight:	34000 kg * 74957 lbs*

* Note: Without one by-pass and magnet options

Hopper and Feeder

- ▶ 5m³ (6.5yd³) Capacity
- ▶ 9m³ (10.4yd³) with optional extensions
- ▶ Integral pre-screen

By-pass conveyor

- ▶ 650mm (26") belt width
- ▶ 2m (6'8") discharge height
- ▶ 2.8m (9'2") discharge option available

Under Crusher Vibratory Feeder

- ▶ Protects belt

Tracks

- ▶ 3.2m (10' 9") Sprocket centres
- ▶ 400mm (16") Shoe width



OPTIONAL EQUIPMENT FEATURES:

- Radio remote System: Operational controls of machine (auto start/stop) & track movement
- Hydraulically folding hopper extensions- total capacity 9m³ (10.4yd³)
- Overband magnet on main conveyor, c/w stainless steel skirting and discharge chute
- By-pass conveyor - 2m (80") discharge height, 650mm (26") beltwidth
- Extended by-pass conveyor, 2.9m (116") discharge height, 650mm (26") beltwidth
- Manual gantry for assisting blow bar change
- Belt weigher
- 1 nr Stockpile Drive
- Special paint (if different from Finlay Orange RAL2002)
- Optional Grizzly bar spacing, 25mm, 75mm, 100mm (1"/3"/4") (Please specify)
- Hydraulically driven water pump
- Grinding Path (3rd Apron in Crushing Chamber)
- 4 Rotor impact rotor
- Lighting Mast
- Hot climate lubrication kit
- Hot climate cooler pack
- Cold Climate lubrication kit

Two Versatile Machines on One Chassis...

The I-110RS provides the versatility of a crushing and screening plant on one chassis and is suitable for the quarry, mining, demolition and recycling sectors.

The I-110RS passes the crushed product through the impactor to the onboard double deck sizing screen. Fines material passes through the screen and is stockpiled using the onboard conveyor. An additional stockpile conveyor option can be mounted to the machine to provide an additional stockpile for middle grade material. Oversize material is then passed back to the impact chamber for re-crushing via the transfer/recirculation conveyor system.



Integrated Screen

The I-110RS is fitted with an integrated onboard double deck which is fitted with a hydraulically folding fines collection conveyor. Hydraulically driven the screen top deck is 3660 x 1520mm (12' x 5') and the lower deck is 3050 x 1520mm (10' x 5'). Oversize materials on the top and bottom decks discharge onto the 500mm (20") recirculation conveyor and are fed back to the main hopper for further crushing.

I-110RS Impact Crusher

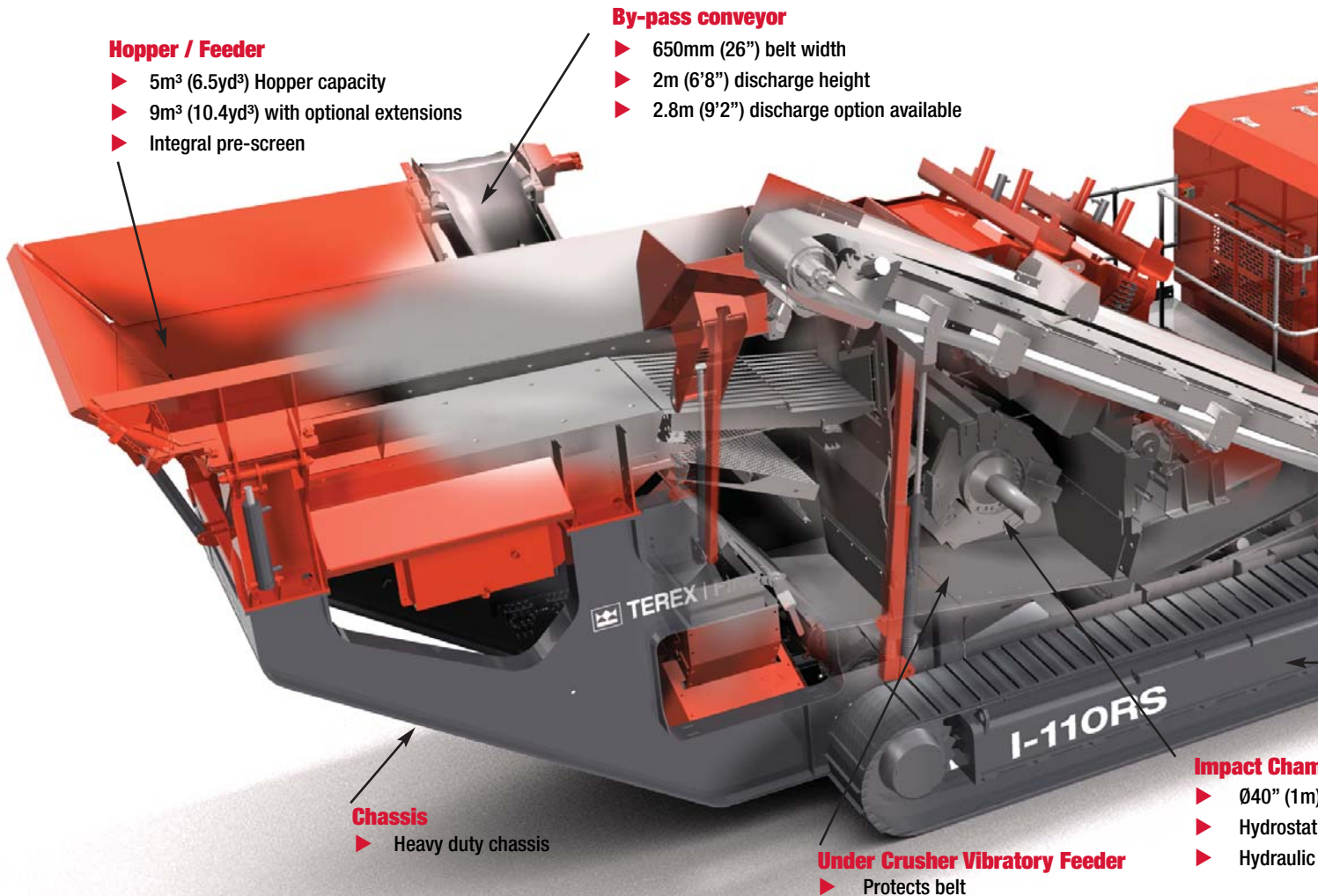
With sizing screen and recirculation facility



At a Glance

- ▶ Impact Chamber 1000 x 1000mm (40" x 40")
- ▶ Hydrostatic drive & advanced electronic control system
- ▶ Cat C9 Acert 223kW (300HP) water cooled diesel engine
- ▶ Heavy duty vibrating feeder (VGF) with integral pre-screen
- ▶ Grizzly bar spacing 40mm (1.6") as standard
- ▶ Hopper capacity 5m³ (6.5yd³)
- ▶ Selectable discharge to by-pass chute or main conveyor
- ▶ Undercrusher vibratory plate feeder with wear resistant liners
- ▶ Skirting on main conveyor
- ▶ High specification scraper at main conveyor head drum
- ▶ Double deck screen: top deck 3660mm x 1520mm (12' x 5'), bottom deck 3050mm x 1520mm (10' x 5')
- ▶ Recirculating conveyor – 500mm (20") feeding back to hopper
- ▶ Combined crusher and screener on one chassis

I-110RS Impact Crusher



Hopper / Feeder

- ▶ 5m³ (6.5yd³) Hopper capacity
- ▶ 9m³ (10.4yd³) with optional extensions
- ▶ Integral pre-screen

By-pass conveyor

- ▶ 650mm (26") belt width
- ▶ 2m (6'8") discharge height
- ▶ 2.8m (9'2") discharge option available

Chassis

- ▶ Heavy duty chassis

Under Crusher Vibratory Feeder

- ▶ Protects belt

Impact Chamber

- ▶ Ø40" (1m)
- ▶ Hydrostatic
- ▶ Hydraulic

STANDARD FEATURES:

Engine:

-Caterpillar C9 Acert Watercooled Diesel Engine 223kW (300HP)

Chamber:

-APP1010GA Impact chamber 1000mm x 1000mm (40" x 40")
-Hydrostatic drive and advanced electronic control system

Hopper / Feeder:

-5m³ Hopper (6.5yd³)
-Heavy duty vibrating feeder (VGF) with integral pre-screen
-Grizzly Bar spacing 40mm (1.57") as standard
-Mesh aperture on grizzly feeder: 30mm (12")

Main Conveyor:

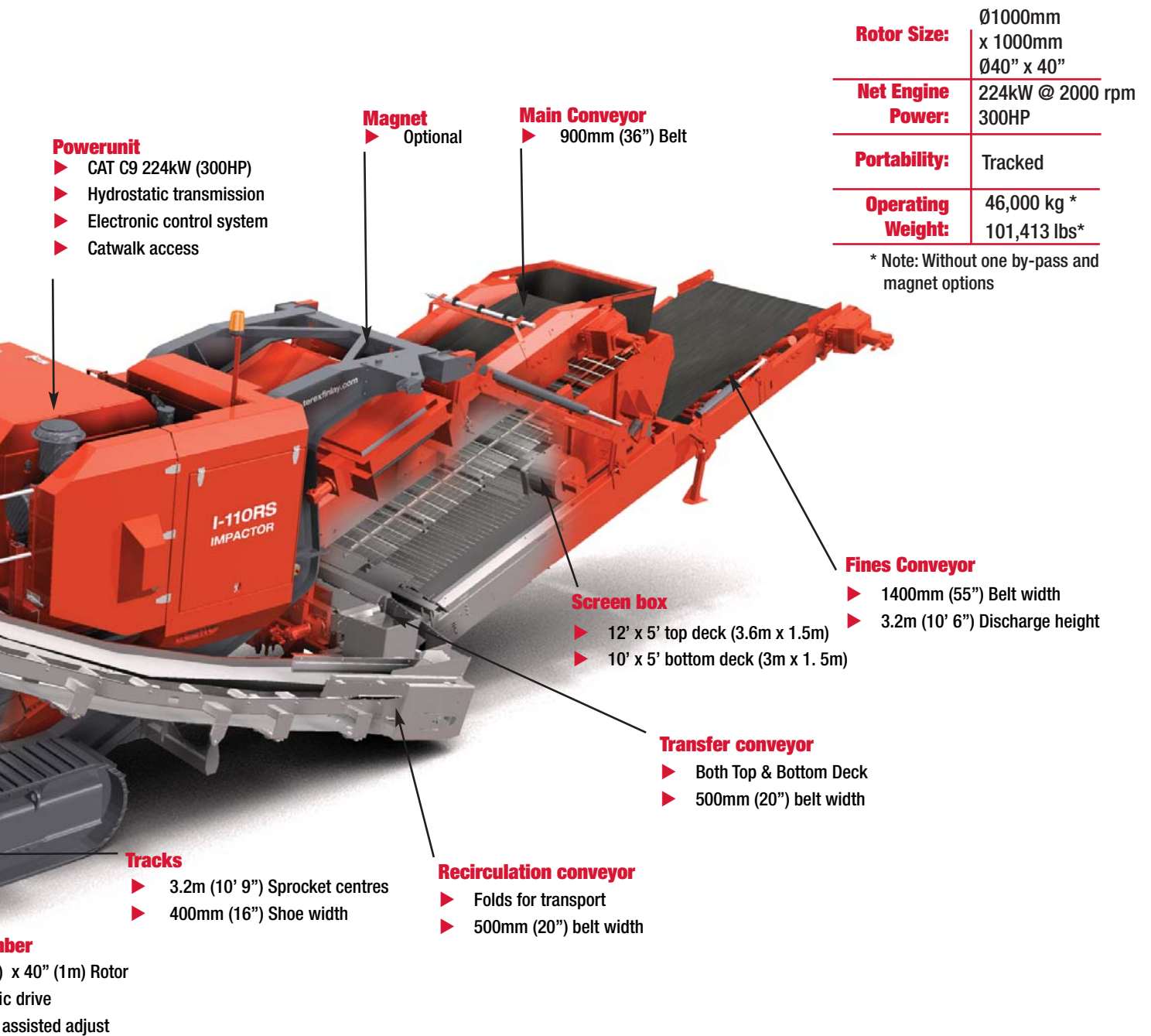
-Undercrusher vibratory plate feeder with wear resistant liners
-Skirting on main conveyor
-High specification scraper at main conveyor head drum

Re-circulating System:

-12' x 5' double deck screen- supplied with 50mm (2") top dk mesh, no bottom deck or fitting parts supplied
-Fines conveyor-1400mm (56") belt- hydraulically folding for transport
-Transfer conveyors- Top deck and bottom deck transfer belt discharge onto recirculation conveyor as standard
-Recirculation conveyor- 500mm (20") feeding back to main hopper

General:

-Separate central operator's panel
-Dust suppression
-Galvanised catwalk c/w handrail, kickboard and access ladders
-Control operation of tracks with 5m (200") connection lead
-Single speed tracking with soft start
-Heavy Duty undercarriage c/w Tracks- 3780mm (12' 5")
-Sprocket centres with 500mm (20") shoe
-Guards to 'M&Q' Specification
-Low level greasing
-Emergency stops (6 Nr)



Rotor Size:	Ø1000mm x 1000mm Ø40" x 40"
Net Engine Power:	224kW @ 2000 rpm 300HP
Portability:	Tracked
Operating Weight:	46,000 kg * 101,413 lbs*

* Note: Without one by-pass and magnet options

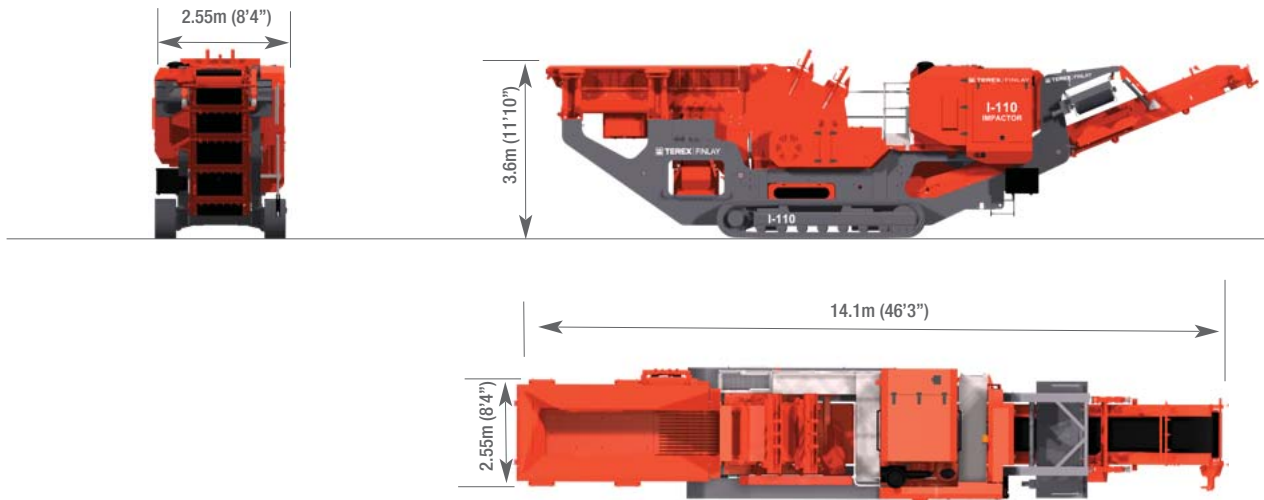
umber
) x 40" (1m) Rotor
ic drive
assisted adjust



OPTIONAL EQUIPMENT FEATURES:
-Radio remote System: Operational controls of machine (auto start/stop) & track movement
-Hydraulically folding hopper extensions- total capacity 9m ³ (10.4yd ³)
-Overband magnet on main conveyor, c/w stainless steel skirting and discharge chute
-By-pass conveyor- 2m (80") discharge height, 650mm (26") belt width
-Extended by-pass conveyor, 2.9m (116") discharge height, 650mm (26") belt width
-Manual gantry for assisting blow bar change
-Optional Grizzly bar spacing, 25mm / 75mm / 100mm (1" / 3" / 4") (please specify)
-Belt weigher
-Special paint (if different from Finlay Orange RAL2002)
-Hydraulically driven water pump
-Grinding Path (3rd Apron in Crushing Chamber)
-4 Rotor impact rotor
-Bottom deck meshes & fitting parts for screen
-Lighting Mast
-Cold Climate lubrication kit
-Hot climate lubrication kit
-Hot climate cooler pack
-Mid grade chutes to transfer mid grade to opposite side
-Additional de-mountable stockpiling conveyor for mid grade screen product (Note - Separate transport required)

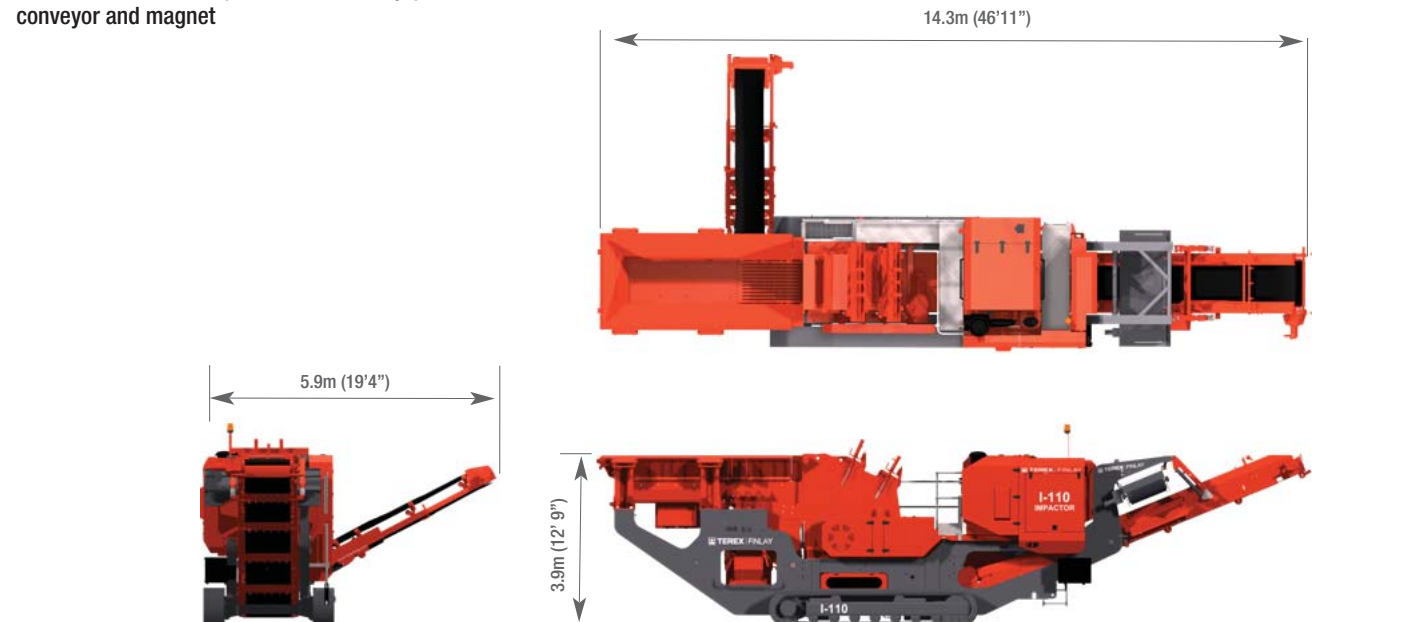
I-110 Impact Crusher

Transport Position



Working Position

Note: Illustrated with optional extended by-pass conveyor and magnet



Working Height



3.9m (12'9")

Working Length



14.3m (51'10")

Working Width



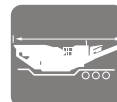
5.9m (19'4")

Transport Height



3.6m (11'10")

Transport Length



14.1m (46'3")

Transport Width



2.55m (8'4")

Weight

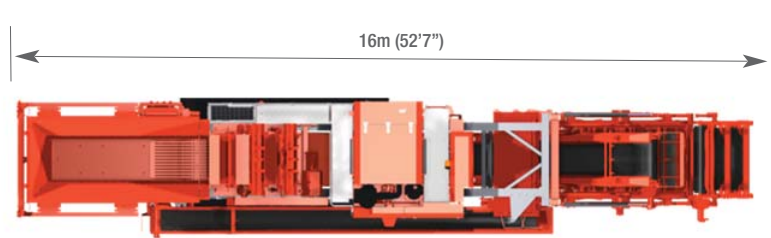
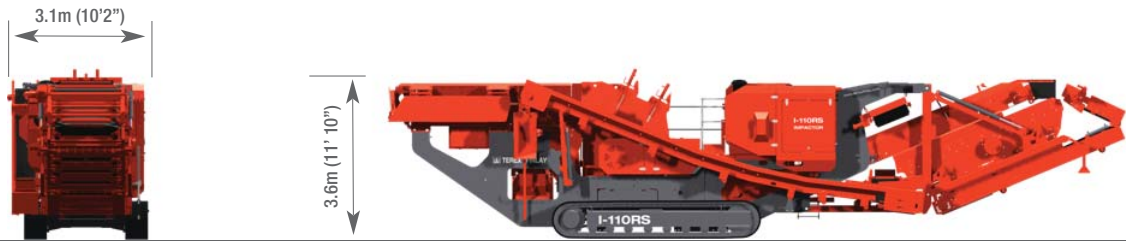


34,000 Kgs *
74,957 lbs

I-110RS Impact Crusher

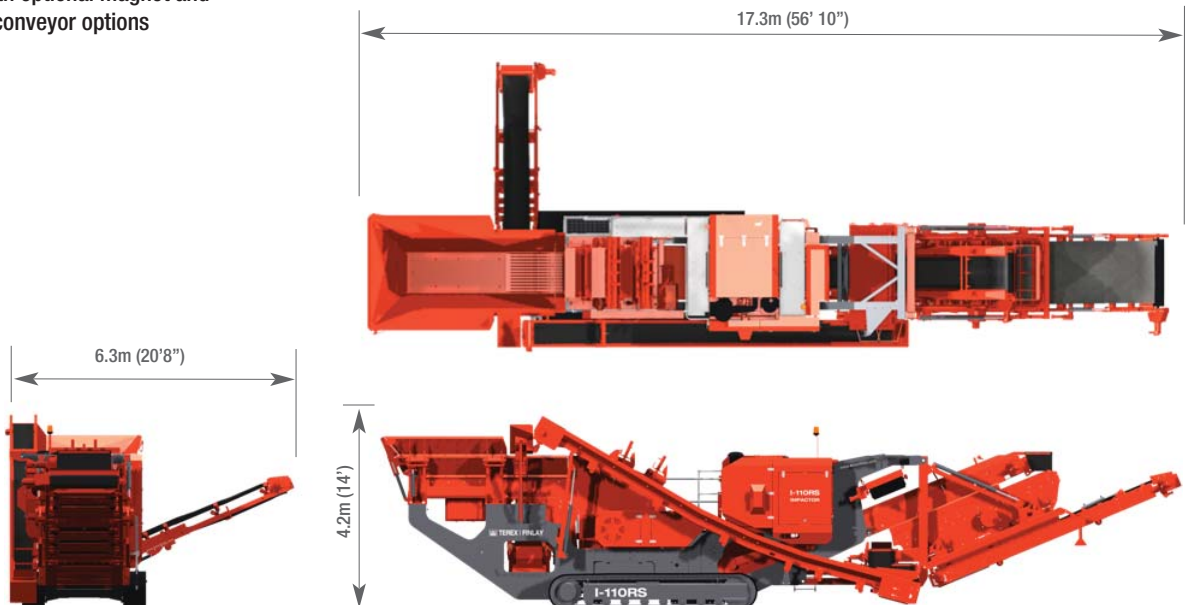
With sizing screen and recirculation facility

Transport Position



Working Position

Note: Illustrated with optional magnet and extended by-pass conveyor options



Working Height



4.2m (14')

Working Length



17.3m (56'10")

Working Width



6.3m (20'8")

Transport Height



3.5m (11'6")

Transport Length



16m (52'7")

Transport Width



3.1m (10'2")

Weight



46,000 Kgs
101,413 lbs



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