



# JAW CRUSHERS

J-960

J-1160

J-1170

J-1170AS

J-1175

J-1175

 DUALPOWER 

J-1480



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## J-960

The Terex Finlay J-960 is a compact and aggressive mobile jaw crusher incorporating a proven Terex direct drive single toggle jaw crusher which gives high capacity with large reduction capacities.

The plant features a heavy duty hopper with integrated vibrating grizzly and pan feeder as standard. Its compact size, excellent mobility and high crushing capacity even at tight settings in recycling and hard rock operations make the J-960 ideal for small to medium sized operators.

### Features:

- ▶ The robust high performance single toggle jaw crusher provides high capacity with large reduction ratio's.
- ▶ Hydraulically folding feed hopper incorporating an integrated heavy duty stepped pan and feeder.
- ▶ Selectable discharge to by-pass conveyor or main conveyor maximizes production and reduces wear on the chamber by removing fine material before it enters the jaw.

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage IIIA: Caterpillar C7.1 Tier 3 ACERT. 140kW (188hp)

Tier 4 / Stage IV: Caterpillar C7.1 140kW (188hp)

### JAW CHAMBER:

Terex 900mm x 600mm (35" x 24") Single toggle jaw crusher

50mm pre-set closed side setting for quarry applications

Direct drive and advanced electronic control system

Premium Tooth Liners as standard

### HOPPER/FEEDER:

Hopper Capacity: 3.6m<sup>3</sup> (4.7yd<sup>3</sup>)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

Integrated pan and feeder - cassette is 50mm (2") spacing as standard

Rubber blanking mat fitted below grizzly as standard

### MAIN CONVEYOR:

Belt width: 800mm (32") fitted with impact bars at feed point- fixed head

### GENERAL:

Separate central operators panel

Piped for dust suppression complete with spraybars

Galvanised LHS catwalk c/w handrail, kick board and access ladder

Heavy duty undercarriage unit with 400mm (16") wide pads

Hand held track control set with connection lead

Safety guards in compliance with machinery directive

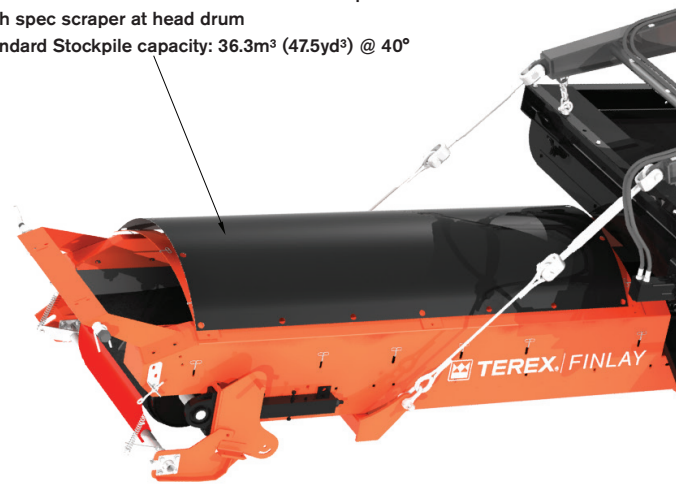
Emergency stops

### Jaw Chamber

- ▶ Terex 900mm x 600mm (35" x 24") Single toggle jaw crusher
- ▶ Standard version with manual wedge adjust system with hand operated hydraulic pump
- ▶ "A" Version with hydraulic wedge system
- ▶ 50mm pre-set closed side setting for quarry applications
- ▶ Direct drive and advanced electronic control system
- ▶ Premium Tooth Liners as standard

### Main Conveyor

- ▶ Belt width: 800mm (32")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 105 m/min nominal
- ▶ Discharge Height: 2.9m (9' 6")
- ▶ Impact bars and wear resistant liners at feed point
- ▶ High spec scraper at head drum
- ▶ Standard Stockpile capacity: 36.3m<sup>3</sup> (47.5yd<sup>3</sup>) @ 40°





### Hopper/Feeder

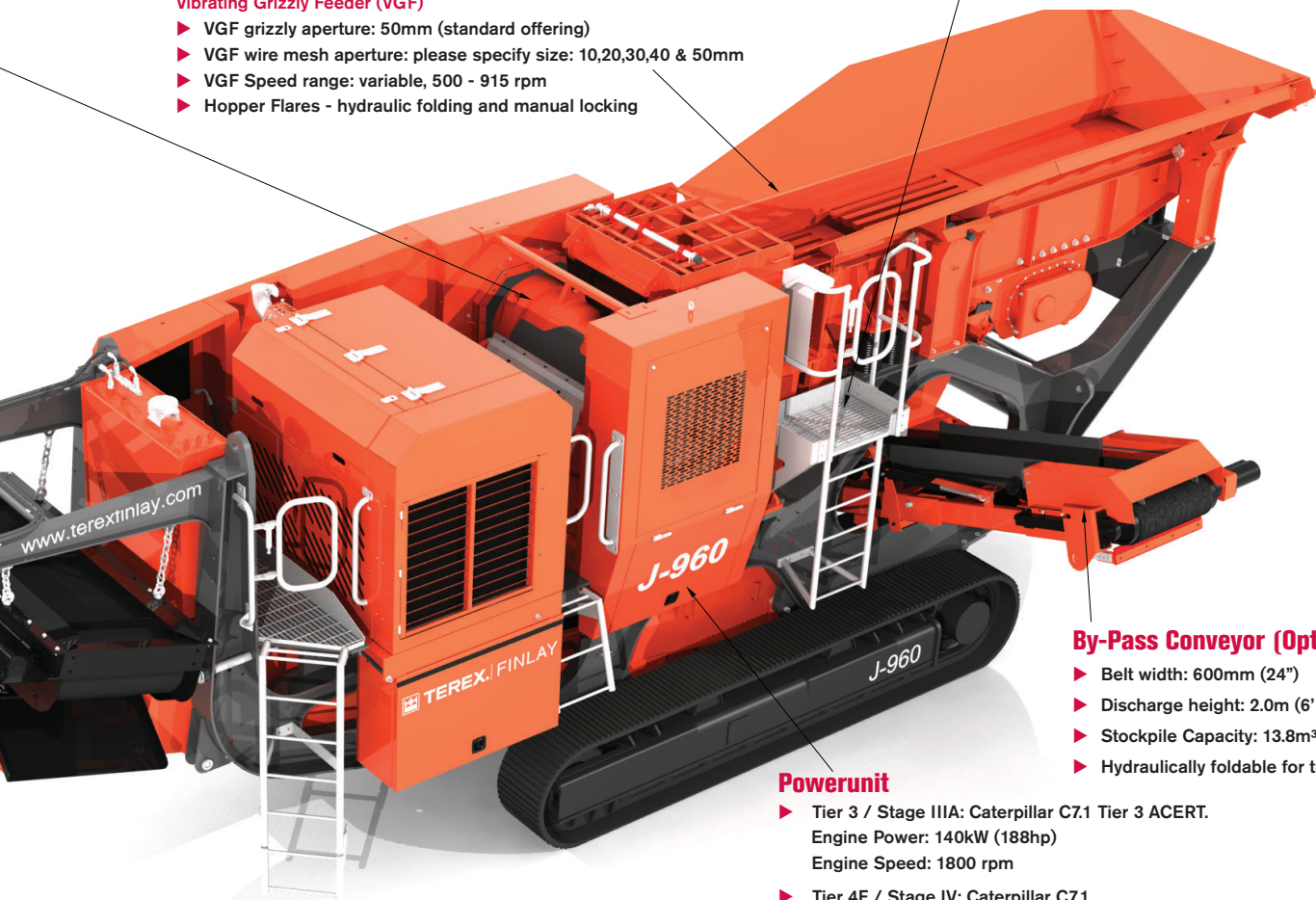
- ▶ Hopper Capacity: 3.6m<sup>3</sup> (4.7yd<sup>3</sup>)
- ▶ Feed height with standard hopper: 3.40m (11' 1")
- ▶ Material: 8mm wear resistant plate
- ▶ Feed width at rear with standard hopper: 1.80m (5' 9")

### Vibrating Grizzly Feeder (VGF)

- ▶ VGF grizzly aperture: 50mm (standard offering)
- ▶ VGF wire mesh aperture: please specify size: 10,20,30,40 & 50mm
- ▶ VGF Speed range: variable, 500 - 915 rpm
- ▶ Hopper Flares - hydraulic folding and manual locking

### Catwalks

- ▶ Galvanised LHS catwalk c/w handrail, kick board and access ladder



### By-Pass Conveyor (Optional)

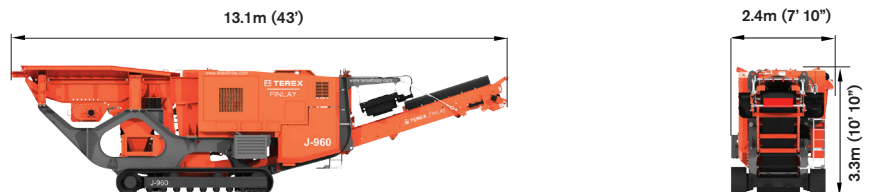
- ▶ Belt width: 600mm (24")
- ▶ Discharge height: 2.0m (6' 7")
- ▶ Stockpile Capacity: 13.8m<sup>3</sup> (18yd<sup>3</sup>) @ 40°
- ▶ Hydraulically foldable for transport

### Powerunit

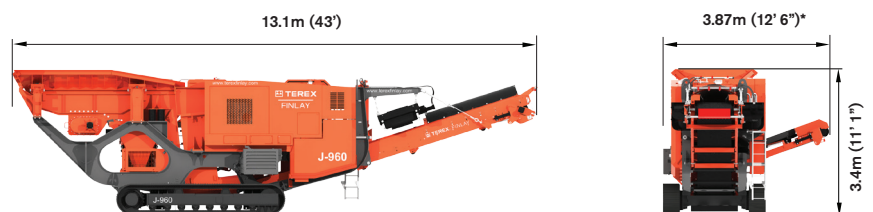
- ▶ Tier 3 / Stage IIIA: Caterpillar C7.1 Tier 3 ACERT.  
Engine Power: 140kW (188hp)  
Engine Speed: 1800 rpm
- ▶ Tier 4F / Stage IV: Caterpillar C7.1  
Engine Power: 140kW (188hp)  
Engine Speed: 1800 rpm



### Transport Dimensions



### Working Dimensions



\*with dirt conveyor deployed

Machine weight: 29,250kg (64,485lbs)  
(with by-pass conveyor and single pole magnet options)

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# J-1160

The Terex Finlay J-1160 is a compact and aggressive tracked mobile primary jaw crusher. Incorporating the Terex Jaques JW40 jaw crusher a heavy duty VGF feeder and an integrated prescreen system the Terex Finlay J-1160 gives optimum production in quarrying, mining, demolition and recycling applications.

Its compact size, quick set up times, ease of transport and user friendly operational features make the Finlay J-1160 ideal for all sized operators.

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage IIIA : Caterpillar C9 Tier 3 ACERT. 224kW (300hp)

Tier 4 / Stage IIIA Constant Speed: Scania DC09 251kW (341hp)

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

### JAW CHAMBER:

Jaques 1000mm x 660mm (40" x 26") single toggle jaw crusher

Hydrostatic drive and advanced electronic control system

Fully hydraulically adjustable closed side setting

Reversible operation for clearing blockages

S tooth liners - 18% Manganese as Standard

### HOPPER/FEEDER:

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

Heavy duty vibrating feeder

Grizzly feeder with integral pre-screen, standard 50mm spacing

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 30mm

### MAIN CONVEYOR:

900mm wide main belt fitted with impact bars at feed point

High spec scraper at head drum

Piped for dust suppression complete with spraybars

### GENERAL:

Piped for overband magnet

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

Heavy duty undercarriage unit with 400mm wide pads

Handheld track control set with connection lead

Single speed tracks with 'soft start'

Safety guards in compliance with machinery directive

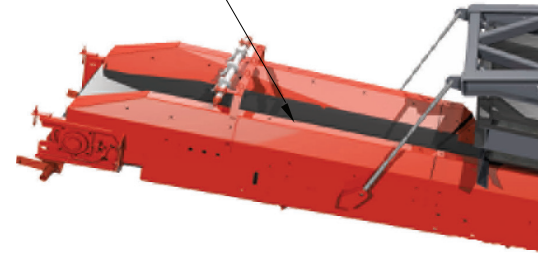
Emergency stops

### Platforms

- ▶ Galvanised catwalks and ladders for full maintenance and service access
- ▶ Catwalks on left hand side of the machine with access to both sides of the powerunit
- ▶ Compact folding for transport

### Main Conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 110 m/min nominal
- ▶ Discharge Height: 3.3m (10' 10")
- ▶ Impact bars and wear resistant liners at feed point
- ▶ High spec scraper at head drum
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Standard Stockpile capacity: 53.4m<sup>3</sup> (70yd<sup>3</sup>)@40°



## Features:

- ▶ The robust high performance hydrostatic driven single toggle jaw chamber provides high capacity with large reduction ratio's.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered hydrostatic drive ensures precise chamber controls and reverse functionality for clearing blockages and assisting in demolition and recycling applications.
- ▶ Fully hydraulic adjustable closed side setting minimises downtime and offers quick adjustment.





## Jaw Chamber

- ▶ Terex JW40 chamber single toggle jaw crusher
- ▶ Inlet width: 1000mm (40")
- ▶ Inlet gape: 660mm (26")
- ▶ Under jaw clearance: 465mm nominal
- ▶ Drive arrangement: Hydrostatic
- ▶ Maximum Closed Side Settings (CSS): 135mm (5 1/2 ")
- ▶ Minimum Closed Side Settings (CSS): 40mm (1 1/2 ") Demolition and Recycle applications. 75mm (3") 'Hard-Rock' Quarry application, 60mm (2 1/2") 'Soft-Rock' Quarry application
- ▶ Reverse action for clearing blockages
- ▶ Deflector plate - optional
- ▶ Full hydraulic closed side setting adjust
- ▶ Standard Liner Profile: S-Tooth (18% Manganese)

## Magnet

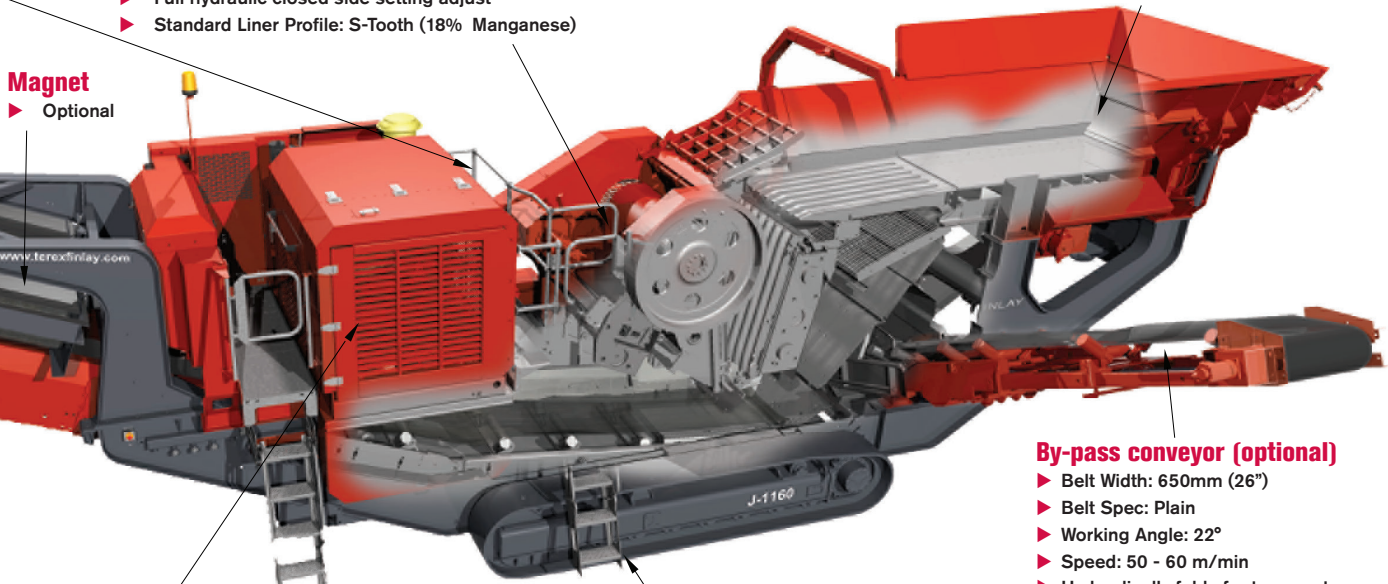
- ▶ Optional

## Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C9 Acert  
Engine Power: 224kW (300hp)  
Engine Speed: 2000 rpm
- ▶ Stage IIIA Constant Speed: Scania DC09  
Engine Power: 251kW (341hp)  
Engine Speed: 1800 rpm
- ▶ Tier 4F / Stage IV: Scania DC09  
Engine Power: 202kW (275hp)  
Engine Speed: 2000 rpm

## Hopper and Feeder

- ▶ Hopper capacity: 5m<sup>3</sup> (6.5yd<sup>3</sup>)
- ▶ Feed height with standard hopper: 3.40m (11' 2")
- ▶ Feed height with standard hopper and extensions: 3.82m (12' 6")
- ▶ Material: 10mm wear resistant steel
- ▶ Feed width at rear with standard hopper: 1.73m (5' 8")
- ▶ Feed width at rear with standard hopper and extensions: 2.38m (7' 10")
- ▶ **Vibrating Grizzly feeder (VGF)**
- ▶ VGF grizzly aperture: 50mm (Option of 75mm)
- ▶ VGF wire mesh aperture: 30mm (Other options available upon request)
- ▶ VGF Speed range: variable, 450-850 rpm
- ▶ Hopper extensions (Optional): 8m<sup>3</sup> (10.4yd<sup>3</sup>)
- ▶ Hopper Extensions hydraulic folding and manual locking



## By-pass conveyor (optional)

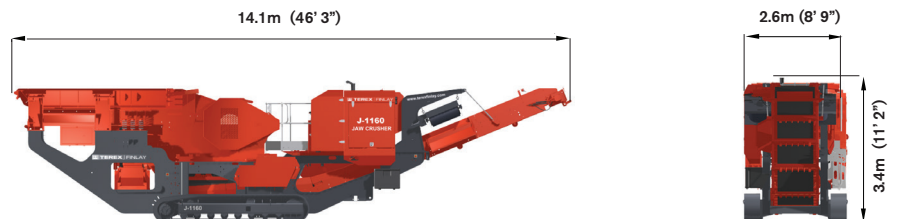
- ▶ Belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 50 - 60 m/min
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2m (6' 8")
- ▶ Stockpile capacity: 11.4m<sup>3</sup> (15.6yds<sup>3</sup>) @ 40°
- ▶ Optional extended discharge height: 2.8m (9' 2")
- ▶ Extended Stockpile capacity: 32.6m<sup>3</sup> (42.6yds<sup>3</sup>) @ 40°

## Undercarriage

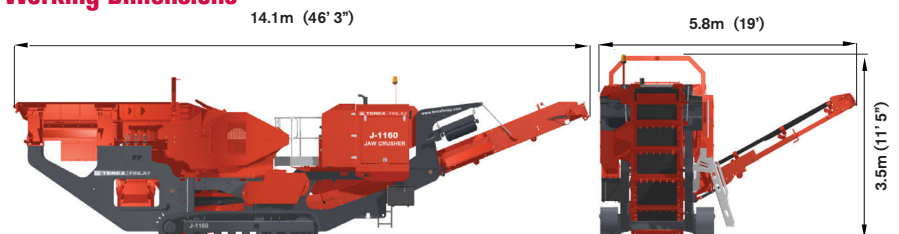
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Single tracking speed with 'soft start'
- ▶ Speed: 1.1 km/h
- ▶ Gradeability: 25°



## Transport Dimensions



## Working Dimensions



Machine Weight: 34,740kg (76,588lbs)

(without by-pass conveyor and single pole magnet options)  
36,740kg (80,997lbs)

(with by-pass conveyor and single pole magnet options)

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## J-1170

The Terex Finlay J-1170 is a compact and aggressive tracked primary jaw crusher. The heartbeat of the machine is a robust hydrostatically driven Terex jaw chamber which provides high capacity with large reduction ratios. The jaw chamber configuration can be set up specifically for quarrying applications or processing construction demolition debris using the hydraulic release chamber option.

The J-1170 features a heavy duty variable speed VGF and integrated prescreen giving excellent production throughput in quarrying, mining, demolition and recycling applications. Notable options include a variable speed pan feeder along with an independent prescreen system. The J-1170's 48.8 tonne / 107,585lbs transport weight and compact dimensions mean lower transport costs between and within crushing sites.

### STANDARD FEATURES

#### Engine:

Tier 3 / Stage IIIA: Caterpillar C9 Tier 3 261kW (350hp)

Stage IIIA (Tier 3) Constant Speed: Scania DC9 273kW (365hp)  
(EU only)

Tier 4F / Stage IV: Scania DC9 257kW (350hp)

#### Jaw Chamber:

Terex 1100mm X 700mm chamber single toggle jaw crusher  
75mm pre-set closed side setting for quarry applications

Hydrostatic drive and advanced electronic control system  
Reversible operation for clearing blockages

S tooth liners - 18% Manganese as Standard

#### Hopper / Feeder:

Hopper capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 38mm

#### Main Conveyor:

1m wide main belt fitted with impact bars at feed point- fixed head, discharge height 3.1m

Hydraulic raise/lower of main conveyor

High spec scraper at head drum

Separate central operators panel

Piped for dust suppression complete with spraybars

#### General:

Piped for overband magnet

Galvanised LHS catwalk c/w handrail, kick board and access ladder

Heavy duty undercarriage unit with 500mm wide pads

Hand held track control set with connection lead

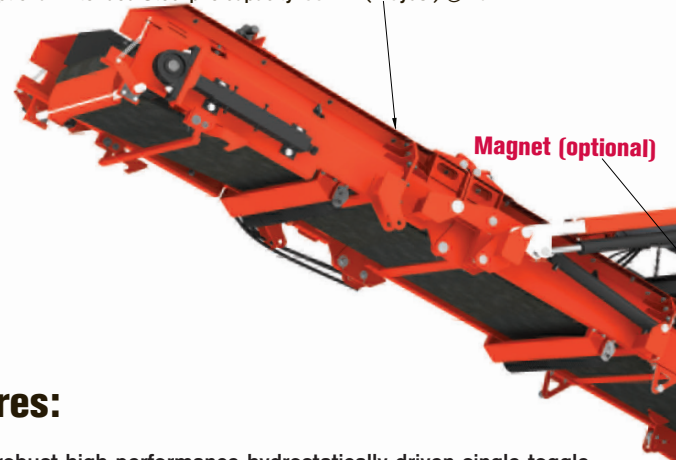
Two speed tracks with 'soft start'

Safety guards in compliance with machinery directive

Emergency stops

#### Main conveyor

- ▶ Belt Width: 1m (40")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 100 m/min nominal
- ▶ Discharge Height: 3.1m (10' 2") with standard conveyor
- ▶ Optional extended conveyor discharge height: 3.92m (12' 12"), incorporates folding head section for transport
- ▶ Hydraulic raise/lower of head section for service access
- ▶ Impact bars and wear resistant liners at feed point
- ▶ Fully tunnelled lower section
- ▶ High spec scraper at head drum
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Standard Stockpile capacity: 44.3m<sup>3</sup> (58yds<sup>3</sup>) @ 40°
- ▶ Optional Extended Stockpile capacity: 88.7m<sup>3</sup> (116yds<sup>3</sup>) @ 40°



### Features:

- ▶ The robust high performance hydrostatically driven single toggle jaw chamber provides high capacity with large reduction ratios.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered hydrostatic drive ensures precise chamber control and reverse functionality for clearing blockages and assisting in demolition and recycling applications.
- ▶ Hydraulically assisted closed side setting adjustment minimises downtime and offers quick adjustment.
- ▶ Its compact size, quick set up times, ease of transport and user friendly operational features make the J-1170 ideal for all sized operators.





## Powerunit

- Tier 3 / Stage IIIA: Caterpillar C9  
Engine Power: 261kW (350hp)  
Engine Speed: 1700 rpm
- Stage IIIA Constant Speed: Scania DC09  
Engine Power: 273kW (365hp)  
Engine Speed: 1800 rpm (EU only)
- Tier 4F / Stage IV: Scania DC09  
Engine Power: 257kW (350hp)  
Engine Speed: 1700 rpm

## Jaw chamber

- Terex 1100mm X 700mm chamber single toggle jaw crusher
- Inlet width: 1100mm (44")
- Inlet gape: 700mm (28")
- Under jaw clearance: 520mm (20.5")
- Drive arrangement: Hydrostatic
- Maximum Closed Side Settings (CSS): 150mm (5.9")
- Minimum Closed Side Settings (CSS): 50mm (2") - application dependent. 75mm (3") Quarry application
- Reverse action for clearing blockages
- Hydraulic deflector plate - optional
- Hydraulic assist closed side setting standard
- Hydraulic release optional. Increased weight (+500kgs/1102lbs)
- Standard Liner Profile: S-Tooth (18% Manganese)

## Hopper / Feeder

- Hopper capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)
- Feed height: 4.01m (13' 2")
- Material: 10mm wear resistant steel
- Feed width at rear: 2.4m (7' 10")
- Locking mechanism: hydraulic
- Vibrating Grizzly feeder (VGF): 1.05m wide x 4.25m long
- VGF grizzly aperture: 75mm (Options 50mm/100mm/125mm)
- VGF wire mesh aperture: 38mm (Other options available upon request)
- VGF Speed range: variable, 500-850 rpm
- Pan Feeder Speed range: variable, 500-850 rpm
- Hopper extensions (Optional): 11m<sup>3</sup> (14.4yd<sup>3</sup>)
- Optional Independent Hydraulic Prescreen. Feed height 4.28m (14')
- Prescreen dims: 1.04m wide x 2.09m long



## Chassis

- Robust, heavy duty chassis

## Platforms

- Galvanised catwalks and ladders for full maintenance and service access
- Catwalks on left hand side of the machine with access to both sides of the powerunit
- Compact folding for transport

## Undercarriage

- Shoe Width: 500mm (20")
- Sprocket Centres: 3.78m (12' 5")
- Two Speed Tracking with 'soft start'
- Speed: 1.6 km/h (Maximum Speed)
- Gradeability: 25°

## By-pass conveyor (optional)

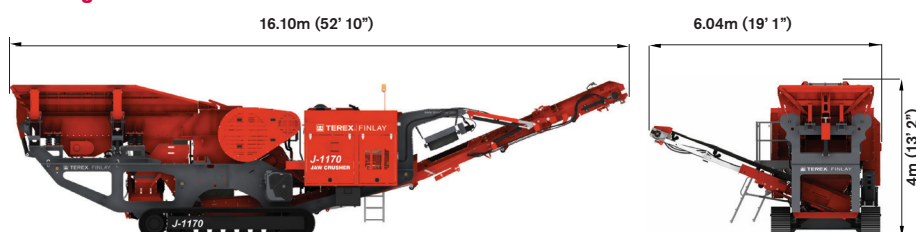
- Belt Width: 650mm (26")
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 75 m/min nominal
- Hydraulically folds for transport
- Discharge Height: 2.9m (9' 6")
- Stockpile capacity: 36.3m<sup>3</sup> (47.5yds<sup>3</sup>) @ 40°



## Transport Dimensions



## Working Dimensions



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

Machine weight: 48,800kg (107,585lbs)  
(with HA chamber, VGF, single pole magnet, by-pass conveyor, and standard main conveyor)

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## J-1170AS

The J-1170AS jaw crusher provides the flexibility of a crushing and screening plant on one machine. This aggressive machine features a detachable on-board sizing screen. The heartbeat of the machine is a robust hydrostatically driven Terex jaw chamber which provides high capacity with large reduction ratios. The jaw chamber configuration can be set up specifically for quarrying applications or processing construction demolition debris using the hydraulic release chamber option. The J-1170AS features a heavy duty variable speed VGF and integrated prescreen giving excellent production throughput in quarrying, mining, demolition and recycling applications.

### STANDARD FEATURES

#### Engine:

Tier 3 / Stage IIIA: Caterpillar C9 Tier 3 261kW (350hp)

Stage IIIA (Tier 3) Constant Speed: Scania DC9 273kW (365hp)  
(EU only)

Tier 4F / Stage IV: Scania DC9 257kW (350hp)

#### Jaw Chamber:

Terex 1100mm x 700mm (44" x 28") Single toggle jaw crusher

75mm pre-set closed side setting for quarry applications

Hydrostatic drive and advanced electronic control system

Reversible operation for clearing blockages

S' Tooth Liners - 18% Manganese as standard

Available in either hydraulic assist or hydraulic release

#### Hopper / Feeder:

Hopper Capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

Integrated pan and feeder - cassette is 75mm spacing as standard

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 38mm

#### Main Conveyor:

Belt width: 1m (40") - fitted with impact bars at feed point- fixed head, discharge height 3.1m

Hydraulic raise/lower of main conveyor

High spec scraper at head drum

#### Afterscreen:

Screenbox: 2.44m x 1.52m (8' x 5') Single deck after screen

Belt Width: 650mm (26") hydraulic folding oversize conveyor with a 2.8m (9' 2") discharge height

Belt Width: 1.4m (55") hydraulic folding fines conveyor with a 2.8m (9' 2") discharge height

Rapid detach after screen system for flexibility

Longer tracks 4.05m sprocket centres

#### General:

Separate central operators panel

Piped for dust suppression complete with spraybars

Piped for overband magnet

Galvanised LHS catwalk c/w handrail, kick board and access ladder

Heavy duty undercarriage unit with 500mm wide pads

Hand held track control set with connection lead

#### Afterscreen

- ▶ Single deck: 2.44m x 1.52m (8' X 5')
- ▶ Tensioning: side
- ▶ Drive: hydraulic with heavy duty bearings
- ▶ Screen Angle: 23°
- ▶ Screen Speed: 1100 rpm
- ▶ 40mm mesh fitted as standard
- ▶ Screen can be lowered to a horizontal position for mesh changing and general service access
- ▶ Total screening area: 3.7m<sup>2</sup> (40ft<sup>2</sup>)

#### Fines Conveyor

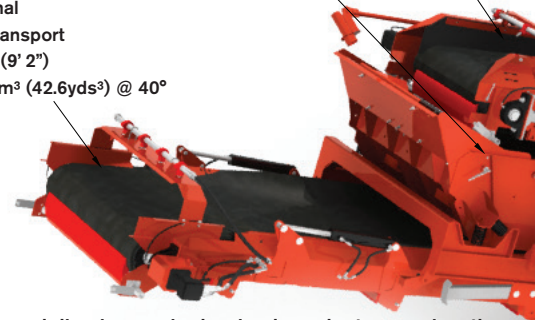
- ▶ Belt width: 1.4m (55")
- ▶ Belt spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 90 m/min nominal
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.8m (9' 2")
- ▶ Stockpile capacity: 32.6m<sup>3</sup> (42.6yds<sup>3</sup>) @ 40°

#### Main Conveyor

- ▶ Belt Width: 1m (40")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 100 m/min nominal
- ▶ Fully tunnelled lower section
- ▶ High spec scraper at head drum

### Features:

- ▶ On board After Screen delivering a single sized product removing the need for a second machine.
- ▶ After Screen system can be removed quickly allowing the operator to use as a standard unit, giving the operator versatility depending on the application.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered hydrostatic drive ensures precise chamber control and reverse functionality for clearing blockages and assisting in demolition and recycling applications.
- ▶ Hydraulic assisted closed side setting adjustment minimises downtime and offers quick adjustment.





### Jaw Chamber

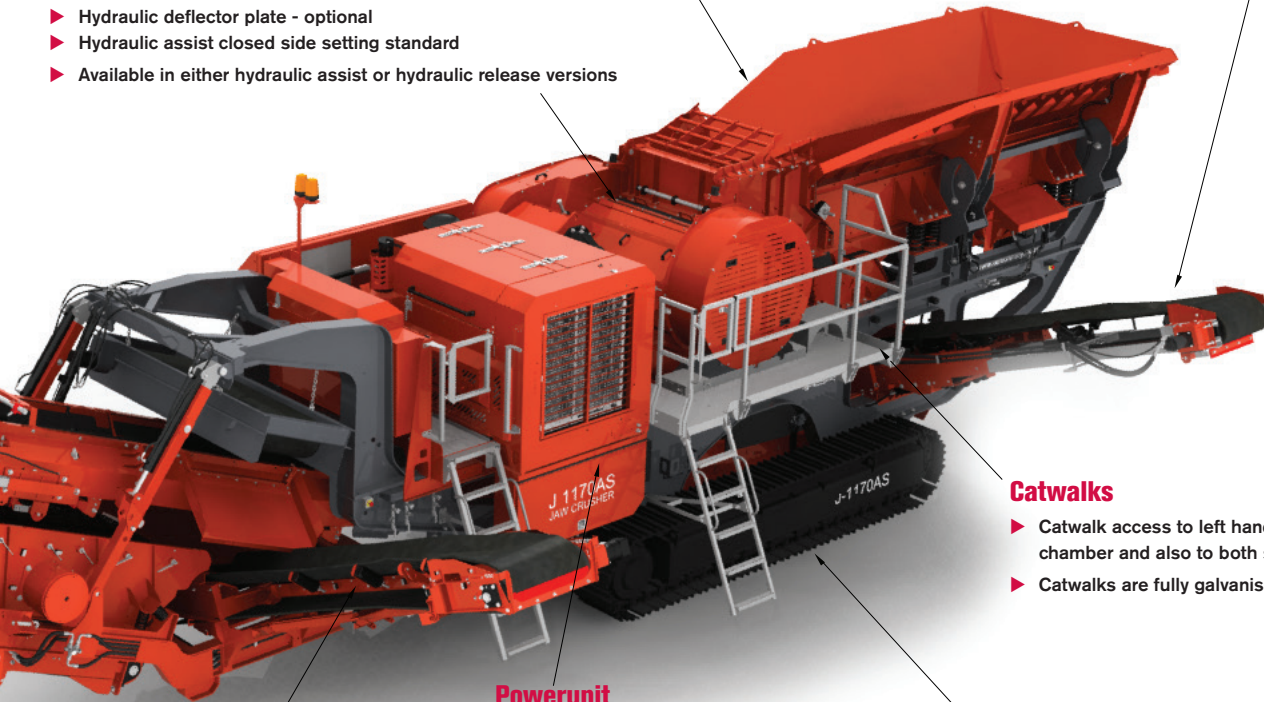
- ▶ Terex 1100mm X 700mm (44" x 28") chamber single toggle jaw crusher
- ▶ CSS range from 50mm (2") to 150mm (6")
- ▶ Hydraulic deflector plate - optional
- ▶ Hydraulic assist closed side setting standard
- ▶ Available in either hydraulic assist or hydraulic release versions

### Hopper/Feeder

- ▶ Hopper capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)
- ▶ Feed height: 4.01m (13' 2")
- ▶ Feed width at rear: 2.4m (7' 10")
- ▶ Hopper extensions (Optional): 11m<sup>3</sup> (14.4yd<sup>3</sup>)

### By-Pass Conveyor (Optional)

- ▶ Belt Width: 650mm (26")
- ▶ Discharge height: 2.9m (9' 6")
- ▶ Hydraulically folds for transport
- ▶ Stockpile capacity: 36.3m<sup>3</sup> (47.5yds<sup>3</sup>) @ 40°



### Catwalks

- ▶ Catwalk access to left hand side and rear of jaw chamber and also to both sides of the engine enclosure
- ▶ Catwalks are fully galvanised

### Powerunit

- ▶ Tier 3 / Stage IIIA: Caterpillar C9  
Engine Power: 261kW (350hp)  
Engine Speed: 1700 rpm
- ▶ Stage IIIA Constant Speed: Scania DC09  
Engine Power: 273kW (365hp)  
Engine Speed: 1800 rpm (EU only)
- ▶ Tier 4F / Stage IV: Scania DC09  
Engine Power: 257kW (350hp)  
Engine Speed: 1700 rpm

### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 4.05m (13' 3")
- ▶ Two Speed Tracking with 'soft start'
- ▶ Speed: 1.6 km/h (Maximum Speed)
- ▶ Gradeability: 25°

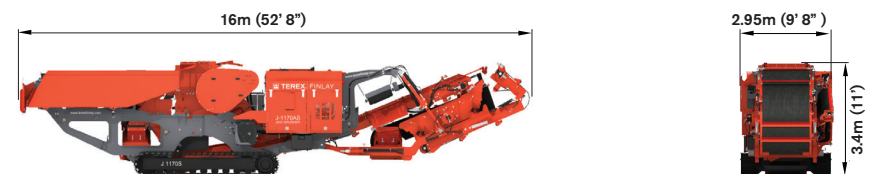
### Oversize Transfer Conveyor

- ▶ Belt width: 650mm (26")
- ▶ Belt spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 90 m/min nominal
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.8m (9' 2")
- ▶ Stockpile capacity: 32.6m<sup>3</sup> (42.6yds<sup>3</sup>) @ 40°

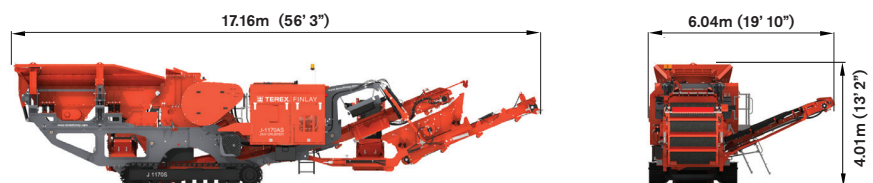


Machine weight: 54,500kg (120,151lbs)  
(with HA chamber, VGF, single pole magnet,  
by-pass conveyor, Afterscreen system)  
other options available

### Transport Dimensions



### Working Dimensions



**WORKS FOR YOU.™**

# J-1175

The Terex Finlay J-1175 is a high performance tracked mobile jaw crusher. Incorporating the Terex Jaques JW42 jaw crusher and a heavy duty VGF feeder the Finlay J-1175 gives optimum production in a range of applications.

Its compact size, quick set up times, ease of transport and simple maintenance make the Terex Finlay J-1175 ideal for quarrying, mining, demolition and recycling applications.

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage IIIA : Caterpillar C9 Tier 3 ACERT. 261kW (350hp)

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

Tier 4F/ Stage IV: Scania DC9 257kW (350hp)

### JAW CHAMBER:

Terex 1070mm x 762mm (42" x 30") single toggle jaw crusher

Hydrostatic drive and advanced electronic control system

Fully hydraulically adjustable closed side setting

Reversible operation for clearing blockages

S tooth liners Standard - 18% Manganese as standard

### HOPPER/FEEDER:

Hopper capacity: 9m<sup>3</sup> (11.7 yd<sup>3</sup>)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

Integrated pan and feeder - cassette is 75mm spacing as standard

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 38mm (1.5")

### MAIN CONVEYOR:

1m wide main belt fitted with impact bars at feed point

High spec scraper at head drum

Piped for dust suppression complete with spraybars

Separate central operators panel

### GENERAL:

Piped for overband magnet

Standard toggle setting 590mm

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

Heavy duty undercarriage unit with 500mm wide pads

Hand held track control set with connection lead

Two speed tracks with 'soft start'

Safety guards in compliance with machinery directive

Emergency stops

### Main Conveyor

- ▶ Belt Width: 1m (40")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 100 m/min nominal
- ▶ Discharge Height: 3.6m (11' 10") with standard conveyor
- ▶ Optional extended conveyor discharge height: 4m (13' 2"), incorporates folding head section for transport
- ▶ Hydraulic raise/lower of head section for service access
- ▶ Impact bars and wear resistant liners at feed point
- ▶ High spec scraper at head drum
- ▶ Tail section raises hydraulically to increase clearance when tracking
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Stockpile capacity: 69.4m<sup>3</sup> (90.8yd<sup>3</sup>) @ 40°
- ▶ Optional Extended Stockpile capacity: 95.2m<sup>3</sup> (124.5yd<sup>3</sup>) @ 40°

### Magnet

- ▶ Optional

## Features:

- ▶ The robust high performance hydrostatically driven single toggle jaw chamber provides high capacity with large reduction ratio's.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered hydrostatic drive ensures precise chamber controls and reverse functionality for clearing blockages and assisting in demolition and recycling applications.
- ▶ Fully hydraulic closed side setting minimises downtime and offers quick adjustment.





## Jaw Chamber

- ▶ Terex JW42 Chamber single toggle jaw crusher
- ▶ Inlet width: 1070mm (42")
- ▶ Inlet gape: 760mm (30")
- ▶ Under jaw clearance: 460mm nominal
- ▶ Drive arrangement: Hydrostatic
- ▶ Maximum Closed Side settings: 145mm (5¾") (subject to toggle selection)
- ▶ Minimum Closed Side Settings (CSS): 45mm (1 3/4")
- ▶ Demolition and Recycle applications. 75mm (3")
- ▶ 'Hard-Rock' Quarry application, 60mm (2 1/2") 'Soft-Rock' Quarry application
- ▶ Reverse action for clearing blockages
- ▶ Full hydraulic closed side setting adjust
- ▶ Standard Liner Profile: S-Tooth (18% Manganese)

## Platforms

- ▶ Catwalk access on both sides of the machine with access to both sides of the powerunit
- ▶ Compact folding for transport

## Hopper / Feeder

- ▶ Hopper capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)
- ▶ Feed height VGF: 3.98m (12' 11")
- ▶ Feed height Prescreen: 4.12m (13' 6")
- ▶ Material: 12mm (1/2") wear resistant steel
- ▶ Feed width at rear VGF: 2.67m (8' 9")
- ▶ Feed width at rear Prescreen: 2.65m (8' 8")
- ▶ Locking mechanism: manual
- ▶ Hydraulically folding sides and rear
- ▶ Vibrating Grizzly feeder (VGF): 1.05m wide x 4.25m long
- ▶ VGF grizzly aperture: 75mm (Options 50mm/100mm/125mm)
- ▶ VGF wire mesh aperture: 38mm (Other options available upon request)
- ▶ VGF Speed range: variable, 450-850 rpm
- ▶ Pan Feeder Speed range: variable, 450-850 rpm
- ▶ Optional Hopper extensions - 11m<sup>3</sup> (14.4yd<sup>3</sup>)

## Chassis

- ▶ Robust, heavy duty chassis

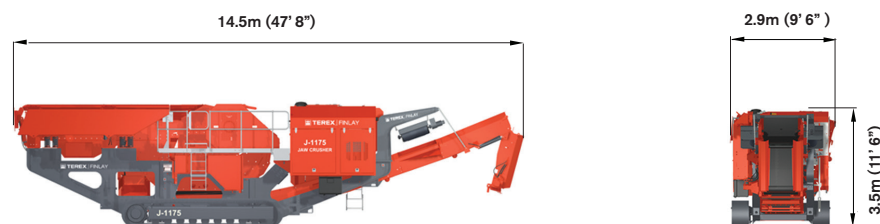
## By-pass conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: (varies dependant upon machine configuration)
- ▶ Universal mounting to left or right hand side- (Specify at time of order)
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2.1m (7')
- ▶ Stockpile capacity: 13.8m<sup>3</sup> (18yd<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°

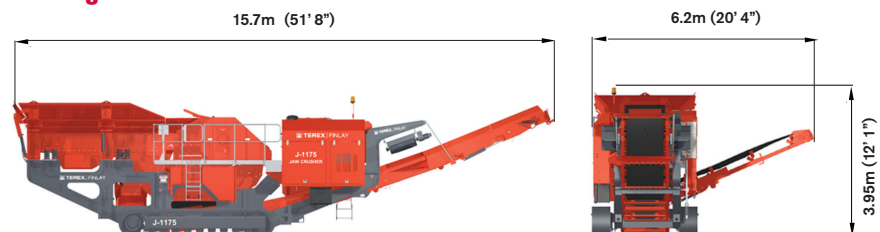
## Undercarriage

- ▶ Bolt on tracks
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.78m (12' 5")
- ▶ Two Speed Tracking with 'soft start'
- ▶ Speed: 1.6 km/h (Maximum Speed)
- ▶ Gradeability: 25°

## Transport Dimensions



## Working Dimensions



Machine Weight: 50,360kg (111,025lbs)

(VGF, without by-pass conveyor and single pole magnet options)

52,360kg (115,434lbs)

(VGF, with by-pass conveyor and single pole magnet options)

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## J-1175 DUAL POWER

The dual powered Terex Finlay J-1175 jaw crusher offers operators the flexibility to power the plant either by mains electric connection or the onboard genset powerpack configuration. Either power option presents operators with significant power, servicing and maintenance cost savings in direct comparison to a diesel/hydraulic powered plant.

The plant incorporates the robust Terex® JW42 high performance electrically driven single toggle jaw chamber and a heavy duty VGF feeder to give optimum production in quarrying, mining, demolition and recycling applications.

Additional benefits include, rapid set up time, ease of maintenance, high reduction ratio, high output capacity and advanced electronic control system.

### STANDARD FEATURES

#### Engine:

Tier 2 Equivalent: Scania DC09 257kW (350hp) & IE3 Crusher Drive Electrical Motor. Alternator: 330kVA / 264kW c/w standard auxiliary drive capable of driving an additional 100 kVa

Stage IIIA (Tier 3) Constant Speed: Scania DC09 273kW (365hp) & IE3 Crusher Drive Electrical Motor. Alternator: 330kVA / 264kW c/w standard auxiliary drive capable of driving an additional 100 kVa (EU only)

Tier 4F / Stage IV: Scania DC09 257kW (350hp) & IE3 Crusher Drive Electrical Motor. Alternator: 330kVA / 264kW c/w standard auxiliary drive capable of driving an additional 100 kVa

#### Jaw Chamber:

Terex 1070mm x 762mm (42" x 30") single toggle jaw crusher

Electric drive and advanced electronic control system

Fully hydraulically adjustable closed side setting

Reversible operation for clearing blockages

S tooth liners Standard - 18% Manganese as standard

#### Hopper/Feeder:

Hopper capacity: 9m<sup>3</sup> (11.7 yd<sup>3</sup>)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

Integrated pan and feeder - cassette is 75mm spacing as standard

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 38mm (1.5")

#### Main Conveyor:

Belt Width: 1m (40") fitted with impact bars at feed point

High spec scraper at head drum

Piped for dust suppression complete with spraybars

#### General:

Separate central operators panel

Standard toggle setting 590mm

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

Heavy duty undercarriage unit with 500mm wide pads

Hand held track control set with connection lead

Two speed tracks

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

Safety guards in compliance with machinery directive

Emergency stops

#### Hopper / Feeder

- ▶ Hopper capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)
- ▶ Feed height VGF: 3.98m (12' 11")
- ▶ Feed height Prescreen: 4.12m (13' 6")
- ▶ Material: 12mm (1/2") wear resistant steel
- ▶ Feed width at rear VGF: 2.67m (8' 9")
- ▶ Feed width at rear Prescreen: 2.65m (8' 8")
- ▶ Hydraulically folding sides and rear
- ▶ Optional Hopper extensions - 11m<sup>3</sup> (14.4yd<sup>3</sup>)

#### Chassis

- ▶ Robust, heavy duty chassis

#### Platforms

- ▶ Catwalk access on both sides of the machine with access to both sides of the powerunit
- ▶ Compact folding for transport

### Features:

- ▶ The plant's electrically driven power systems provide significant cost advantages and efficiencies.
- ▶ Superior performance in dusty applications and in high altitude environments.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered electric drive ensures precise chamber controls and reverse functionality for clearing blockages and assisting in demolition and recycling applications.





### By-pass conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2.1m (7')
- ▶ Stockpile capacity: 36.3m<sup>3</sup> (47.5yd<sup>3</sup>) @ 40°

### Jaw Chamber

- ▶ Terex JW42 Chamber single toggle jaw crusher
- ▶ Inlet width: 1070mm (42")
- ▶ Inlet gap: 760mm (30")
- ▶ Under jaw clearance: 460mm nominal
- ▶ Drive arrangement: Electric
- ▶ Full hydraulic closed side setting adjust
- ▶ Variable speed drive
- ▶ Can be run in reverse to unblock and for recycling applications

### Magnet

- ▶ Optional

### Main Conveyor

- ▶ Belt Width: 1m (40")
- ▶ Discharge Height: 3.6m (11' 10") with standard conveyor
- ▶ Impact bars and wear resistant liners at feed point
- ▶ High spec scraper at head drum
- ▶ Stockpile capacity: 69.4m<sup>3</sup> (90.8yd<sup>3</sup>) @ 40°

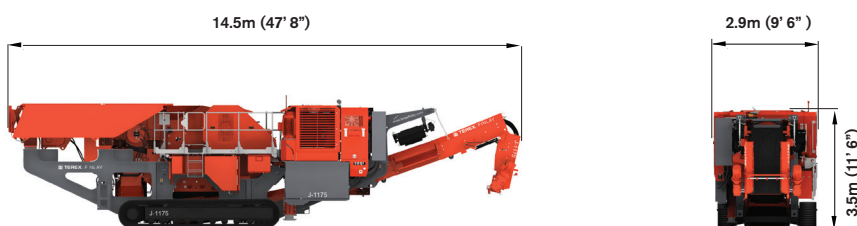
### Powerpack

- ▶ Tier 2 / Stage II Equivalent: Scania DC09  
Engine Power: 257kW (350hp)  
Engine Speed: 1500 rpm
- ▶ Stage IIIA (Tier 3) Constant Speed: Scania DC09  
Engine Power: 273kW (365hp)  
Engine Speed: 1500 rpm (EU only)
- ▶ Tier 4F / Stage IV: Scania DC09  
Engine Power: 257kW (350hp)  
Engine Speed: 1500 rpm (1800 rpm USA)

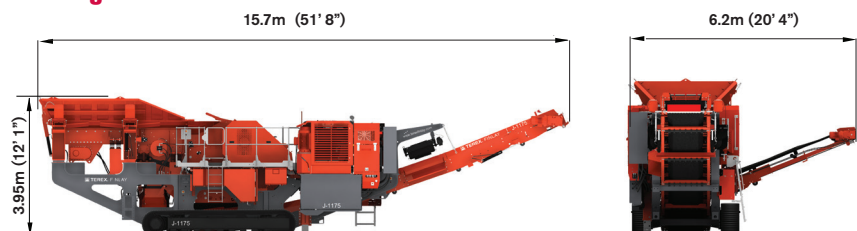
### Undercarriage

- ▶ Bolt on tracks
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.78m (12' 5")
- ▶ Two Speed Tracking with 'soft start'

### Transport Dimensions



### Working Dimensions



**DUAL POWER**

Machine Weight: 53,250kg (117,396lbs)  
(VGF, without by-pass conveyor and magnet options)  
55,500kg (122,356lbs)  
(VGF, with by-pass conveyor and magnet options)

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## J-1480

The Terex Finlay J-1480 incorporates the Terex Jaques JW55 single toggle jaw crusher which boasts a throughput capacity up to 750mtph depending on application and material. The machine is available with the optional direct drive which offers improved fuel efficiency and greater power utilisation or the standard hydrostatic drive which offers reversible operation for clearing blockages and for use in demolition applications. The large 10m<sup>3</sup> hopper has hydraulically folding sides and hydraulic wedge clamp system providing faster machine set up time. The machine features a vibrating pan feeder and an aggressive independently driven pre-screen which provides optimum separation of dirt, fines and difficult materials.

### STANDARD FEATURES

#### ENGINE:

Caterpillar C13 328kW (440hp) water cooled diesel engine  
(Engines are available to meet both US EPA emission standards, under CFR 1039.625 and EU flexibility provisions of Directive 97/68/EC)

Tier 4 Final / Stage IV: Scania DC13 331kW (450hp)

#### JAW CHAMBER:

Terex 1415mm x 820mm (55" x 32") single toggle jaw crusher

Hydrostatic drive and advanced electronic control system

Fully hydraulically adjustable closed side setting

Reversible operation for clearing blockages

S tooth liners - 18% Manganese as Standard

#### HOPPER/FEEDER:

Hopper capacity: 10m<sup>3</sup> (13yd<sup>3</sup>)

Heavy duty vibrating Pan & independent Pre-screen (75mm Standard spacing)

Mesh aperture on grizzly feeder: 38mm

Selectable discharge to by-pass conveyor or main conveyor

#### MAIN CONVEYOR:

Width: 1.4m wide main belt fitted with impact bars at feed point

High spec scraper at head drum

Piped for dust suppression complete with spray bars

#### GENERAL:

Piped for overband magnet

Separate central operator's panel

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

Heavy duty undercarriage unit with 500mm wide pads

Handheld track control set with connection lead

Two speed tracks with 'soft start'

Safety Guards in compliance with machinery directive

Emergency stops

Stockpile Sensor (main conveyor)

Electric refuelling pump

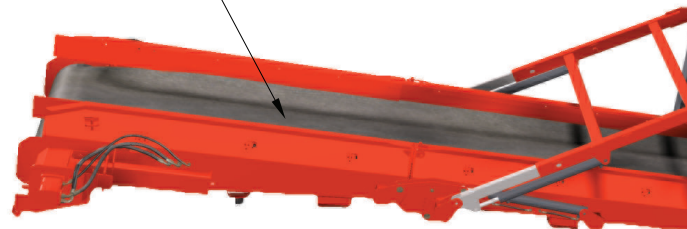
#### Platforms

- ▶ Galvanised catwalk full maintenance
- ▶ Catwalk access to machine with access of the powerunit machine
- ▶ Compact folding

#### Magnetic

##### Separator (optional)

- ▶ Belt Width: 750mm (30")
  - ▶ Belt Spec: Cleated
  - ▶ Belt Speed: Variable
  - ▶ Drive: Hydraulic
- ▶ Main Conveyor
    - ▶ Belt Width: 1.4m (55")
    - ▶ Belt Spec: Plain
    - ▶ Working Angle: 21°
    - ▶ Discharge Height: 4.5m (14' 9")
    - ▶ Hydraulic raise/lower of main conveyor and head section for service access
    - ▶ Impact bars and wear resistant liners at feed point
    - ▶ High spec scraper at head drum
    - ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
    - ▶ Standard Stockpile capacity: 135.5m<sup>3</sup> (177.2yds<sup>3</sup>) @ 40°



### Features:

- ▶ Terex Jaques Jaw with fully hydraulic adjustable closed side setting.
- ▶ Hydrostatic & Direct drive systems with advanced electronic control system.
- ▶ 10m<sup>3</sup> (13yd<sup>3</sup>) hopper capacity. Optional hopper side extensions are available.
- ▶ Independent VGF feeder and Pre-Screen.
- ▶ Selectable discharge to by-pass conveyor or main conveyor.



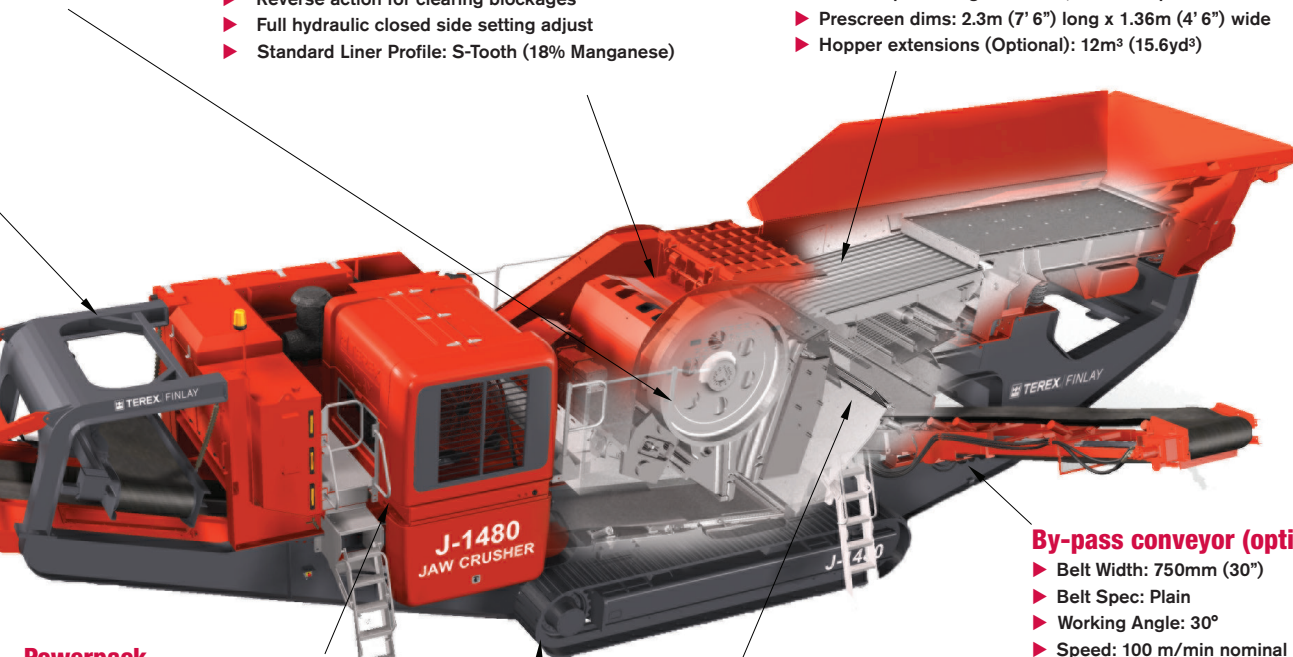


## Jaw Chamber

- Terex JW55 chamber single toggle jaw crusher
- Inlet width: 1415mm (55")
- Inlet gape: 820mm (32")
- Under jaw clearance: 380mm nominal
- Drive arrangement: Hydrostatic
- Maximum Closed Side Settings (CSS): 225mm (9")
- Minimum Closed Side Settings (CSS): 75mm (3")
- Demolition and Recycle applications. 85mm (3 1/4") Quarry applications
- Reverse action for clearing blockages
- Full hydraulic closed side setting adjust
- Standard Liner Profile: S-Tooth (18% Manganese)

## Hopper and Feeder

- Hopper capacity: 10m<sup>3</sup> (13yd<sup>3</sup>)
- Feed height: 4.67m (15' 5")
- Material: 15mm wear resistant steel
- Width at rear with standard flares: 2.86m (9' 5")
- Width at rear with standard flares and extensions: 3.76m (12' 5")
- Locking mechanism: hydraulic
- Independent Hydraulic Prescreen as standard
- Prescreen grizzly aperture: 75mm (Options 100mm / 125mm)
- Prescreen wire mesh aperture: 38mm (Other options available upon request)
- Feeder speed range: variable, 450-900 rpm
- Prescreen dims: 2.3m (7' 6") long x 1.36m (4' 6") wide
- Hopper extensions (Optional): 12m<sup>3</sup> (15.6yd<sup>3</sup>)



## By-pass conveyor (optional)

- Belt Width: 750mm (30")
- Belt Spec: Plain
- Working Angle: 30°
- Speed: 100 m/min nominal
- Hydraulically folds for transport
- Discharge Height: 3.6m (11' 10")
- Stockpile capacity: 69.4m<sup>3</sup> (90.8yds<sup>3</sup>) @ 40°

## Independent Pre-Screen

- Optional for increased fines removal

## Undercarriage

- Shoe Width: 500mm (20")
- Sprocket Centres: 4.2m (13' 9")
- Dual speed tracking with 'soft start'
- Speed: 0.9 km/h
- Gradeability: 25°

## Powerpack

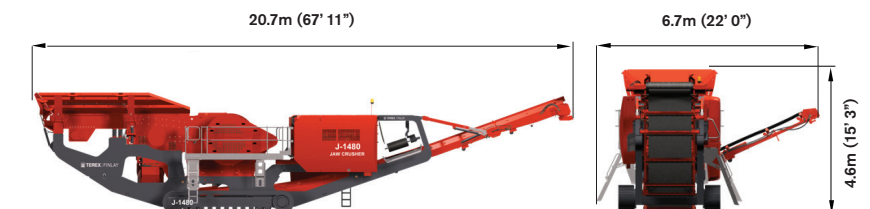
- Tier 3 / Stage IIIA: Caterpillar C13  
Engine Power: 328kW (440hp)  
Engine Speed: 1800 rpm
- Tier 4F / Stage IV: Scania DC13  
Engine Power: 331kW (450hp)  
Engine Speed: 1800 rpm



## Transport Dimensions



## Working Dimensions



Machine Weight: 75,200kg (165,787lbs)  
(without by-pass conveyor & twin pole magnet options)  
78,200kg (172,401lbs)  
(with by-pass conveyor & twin pole magnet options)

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