

JAW CRUSHER



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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.

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: 69.4m³ (90.8yd³) @ 40°
- ▶ Optional Extended Stockpile capacity: 95.2m³ (124.5yd³) @ 40°

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 (5 3/4") (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: 9m³ (11.7yd³)
- ▶ 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 - 11m³ (14.4yd³)

STANDARD FEATURES

Engine:

Tier 3 / Stage 3A: Caterpillar C9 Acert 261kW (350hp) water cooled diesel engine

Tier 4i / Stage 3B: Scania DC9 83A 257kW (350hp) water cooled diesel engine

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: 9m³ (11.7 yd³)

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:

1000mm 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

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

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.

Powerpack

Tier 4i: Stage IIIB : Scania DC9 77A
Engine Power: 350hp (257 kW) (EU SPEC)
Engine Speed: 1900 rpm

ROW (Tier 3 or equivalent): Tier 3 / Stage IIIA : Caterpillar C9
Tier 3 ACERT.
Engine Power: 350hp (261 kW)
Engine Speed: 1900 rpm

Magnet

Optional

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°

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: 13.8m³ (18yd³) @ 40°
- ▶ Optional extended discharge height: 2.9m (9' 6")
- ▶ Extended Stockpile capacity: 36.3m³ (47.5yd³) @ 40°



Transport Dimensions



Working Dimensions



Machine Weight: 51,300kg (113,096lbs)
(without by-pass conveyor and magnet options)
53,500kg (117,946lbs)
(with by-pass conveyor and magnet options)

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