

J-1170 JAW CRUSHER



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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 45.3 tonne / 99600lbs transport weight and compact dimensions mean lower transport costs between and within crushing sites.

STANDARD FEATURES

Engine:

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

Tier 4/ Stage IIIB : Scania DC9 77A 350hp (257 kW) (EU SPEC)

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: 9m³ (11.7yd³)

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: 44.3m³ (58yds³) @ 40°
- ▶ Optional Extended Stockpile capacity: 88.7m³ (116yds³) @ 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.

Powerpack

- ▶ Tier 4i / Stage IIIB : Scania DC9 77A
Engine Power: 350hp (257 kW) (EU SPEC)
Engine Speed: 1700 rpm

- ▶ ROW (Tier 3 or equivalent): Tier 3 / Stage IIIA:
Caterpillar C9 Tier 3 ACERT.
Engine Power: 350hp (261kW)
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: 9m³ (11.7yd³)
- ▶ 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): 11m³ (14.4yd³)
- ▶ 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)

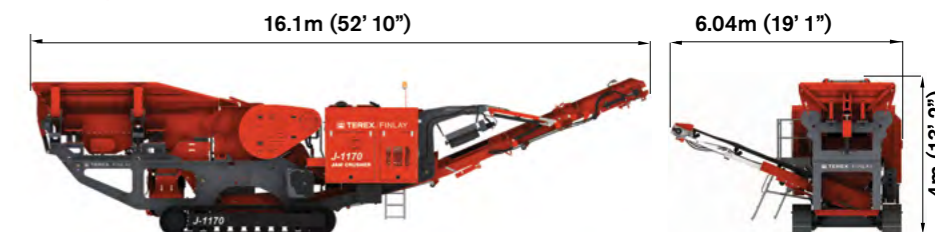
- ▶ Belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 75 m/min nominal
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.9m (9' 6")
- ▶ Stockpile capacity: 36.3m³ (47.5yds³) @ 40°



Transport Dimensions



Working Dimensions



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

Machine weight: 48,900kg (107,806lbs)
(with HA chamber, standard VGF, standard main conveyor, magnet and by-pass conveyor)

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