TEREX | FINLAY

JAW CRUSHER

J-1480

WORKS FOR YOU.™

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 10m³ 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:

- Tier 3 / Stage IIIA: Caterpillar C13 328kW (440hp)
- Tier 4 F / 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: 10m³ (13yd³)
- 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 (55”) 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
- Standard oils - (Recommended for ambient temperatures between -5 to +30°C)

Platforms

- Galvanised catwalks and ladders for full maintenance and service access
- Catwalk access on both sides of the machine with access to both sides of the powerunit and to the rear of the machine
- Compact folding for transport

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 forservice 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: 135.5m³ (177.2yds³) @ 40°

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: 10m³ (13yd³)
- 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): 12m³ (15.6yd³)

By-pass conveyor (optional)

- Belt Width: 750mm (30”)
- Belt Spec: Plain
- Working Angle: 30°
- Speed: 100 m/min nominal
- Hydraullically folds for transport
- Discharge Height: 3.6m (11’ 10”)
- Stockpile capacity: 69.4m³ (90.8yds³) @ 40°

Independent Pre-Screen

- Optional for increased fines removal

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

Undercarriage

- Shoe Width: 500mm (20”)
- Sprocket Centres: 4.2m (13’ 9”)
- Dual speed tracking with ‘soft start’
- Speed: 1.0 km/h (maximum speed)
- Gradeability: 25°

Features:

- Terex Jaques Jaw with fully hydraulic adjustable closed side setting.
- Hydrostatic & Direct drive systems with advanced electronic control system.
- 10m³ (13yd³) hopper capacity. Optional hopper side extensions are available.
- Independent VGF feeder and Pre-Screen.
- Selectable discharge to by-pass conveyor or main conveyor.

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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