J-1480
JAW CRUSHER

SPECIFICATION:

Inlet Opening: 1415mm x 820mm (55" x 32")
Net Engine Power:
  - Tier 3 / Stage IIIA: Caterpillar C13 328kW (440hp)
  - Scania DC13 331kW (450hp)
  - Tier 4F / Stage IV: Scania DC13 331kW (450hp)
Stage IIIA Constant Speed: 
  - Scania DC13 331kW (450hp)
Portability: Tracked
Operating Weight:
  - Without by-pass conveyor & twin pole magnet options: 75,200kg (165,787lbs)
  - With by-pass conveyor & twin pole magnet options: 78,200kg (172,401lbs)
SPECIFICATION

**HOPPER/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 long x 1.36m wide (7' 6" x 4' 6")
- Hopper extensions (Optional): 12m³ (15.6yd³)

**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)

**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: 135.5m³ (177.2yds³) @ 40°

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

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POWERPACK
Tier 4F / Stage IV: Scania DC13
Engine Power: 331 kW (450 hp)
Engine Speed: 1800 rpm

TANK CAPACITIES
Hydraulic Tank: 900 litres / 198 UK gal / 237 US gal
Fuel Tank: 1000 litres / 220 UK gal / 263 US gal

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: 69.4 m³ (90.8 yds³) @ 40°

MAGNETIC SEPARATOR (OPTIONAL)
Belt Width: 750mm (30")
Belt Spec: Cleated
Belt Speed: Variable
Drive: Hydraulic

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°

TOOL BOX
Mounted lockable toolbox
Tool Kit and flogging spanners
Grease gun
Manuals

CHUTES
Heavy duty inlet chute with bolt-up construction, and liner plates
By-pass chute with selectable discharge flap gate, to either by-pass conveyor or main conveyor

CONTROL SYSTEM
Advanced CANBUS compliant system Large display screen (IP67 Rated)
Five simple operating modes with menu driven graphic user interface:
- Track mode: For moving machine
- Manual mode: For manually starting machine
- Automatic mode: For automatically starting the machine in predetermined sequence
- Configuration mode: For testing/setting individual components
- Language selection: For setting languages

WORKS FOR YOU.
CONTROL SYSTEM continued
Choice of preset parameters to suit crushing applications
- Hard Rock
- Soft Rock
- Demolition and Recycle
User friendly incremental selection of feeder and crusher speed enable the operator to achieve the optimal throughput
Detachable doglead control for tracking
Radio remote control (option)
Integrated machine and engine control panel
Lockable compartment
Auto regulating feeder selectable for improved throughput control.
Emergency stops: 6 off

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
REMOTE CONTROL UNIT (OPTIONAL)
Full function radio remote unit
Machine can be switched from crushing mode into track mode, moved and switched back to operating mode from remote control unit
Feeder stop / start
STANDARD FEATURES

ENGINE:
Tier 3 / Stage IIIA: 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)

Stage IIIA Constant Speed: Scania DC13 331kW (450hp)

JAW CHAMBER:
Terex 1415mm x 820mm (55” x 32”) single toggle jaw crusher c/w full hydraulic closed side setting adjustment

Hydrostatic drive
Reversible operation for clearing blockages
S tooth liners - 18% Manganese as Standard
Please contact the sales department for jaw liner options (Depending on application)

HOPPER / FEEDER:

Hydraulic folding and locking hopper
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:

Belt width: 1.4m (55”) fitted with impact bars at feed point
Stockpile Level Sensor

AUXILIARY CONVEYORS:
Piped for overband magnet

CLIMATE SPEC:

Standard oils - (Recommended for ambient temperatures between -5 to +30°C)

DUST SUPPRESSION:
Piped for dust suppression complete with spraybars

ELECTRICAL:

Emergency stops
Handheld track control set with connection lead
T-Link Telemetry System fitted c/w 3 years data subscription
Electric refuelling pump

GENERAL:

Safety Guards in compliance with machinery directive
Separate central operator’s panel
Two speed tracks

OPTIONAL EQUIPMENT

Tier 4 Final / Stage IV: Scania DC13 331kW (450hp)
Hopper Extensions
Optional spacing on prescreen, 100mm/125mm (please specify)
Belt weigher
Main conveyor Dust Cover
Bypass conveyor with 750mm wide plain belt
Twinpole over band magnet (c/w stainless steel skirting & stainless steel discharge chute on Right Hand Side)
Hot climate lubrication kit (Recommended for ambient temperatures between +15 to +50°C)
Cold climate lubrication kit (Recommended for ambient temperatures between -20 to +30°C)
Hot climate cooler pack c/w hot climate lubrication kit (Recommended for ambient temperatures >35°C)
Hydraulically driven water pump
Radio remote System
Control panel positive air pressurization
Special paint colour (if different from Finlay Orange 2002)
RAL must be specified on order
Jaw Chamber
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- Inlet gap: 820mm (32”)
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- 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)

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

Main Conveyor
- Belt Width: 1.4m (55”)
- Belt Spec: Plain
- Working Angle: 21°
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- 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: 135.5m³ (177.2yd³) @ 40°

Powerpack
- Tier 3 / Stage IIIA: Caterpillar C13
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- Stage IIIA Constant Speed: Scania DC13
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- Prescreen dims: 2.86m (9’ 5”) long x 1.36m (4’ 6”) wide
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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: 69.4m³ (90.8yd³) @ 40°

Independent Pre-Screen
- Optional for increased fines removal

Magnetic Separator (optional)
- Belt Width: 750mm (30”)
- Belt Spec: Cleated
- Belt Speed: Variable
- Drive: Hydraulic

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°

Shoe Width: 500mm (20”)
TRANSPORT DIMENSIONS

18m (59' 4")
3.38m (11' 1")

WORKING DIMENSIONS

20.7m (67' 11")
6.7m (22' 0")

MACHINE WEIGHT: 75,200kg (165,787lbs)
(without by-pass conveyor and twin pole magnet options)
78,200kg (172,401lbs)
(with by-pass conveyor and twin pole magnet options)

For further information on specific machine weight configurations please consult Terex Finlay