J-1160
JAW CRUSHER

SPECIFICATION:

Inlet Opening: 1000mm x 600mm (40" x 24")
Net Engine Power: Stage IIIA Constant Speed: John Deere 6068 212kW (284hp)
                                Tier 4F / Stage IV: Caterpillar C7.1 205kW (275hp)
Portability: Tracked
Operating Weight: 35,350kg (77,930lbs) (with Twin Pole magnet, Dirt conveyor & Hopper extensions)
SPECIFICATION

**HOPPER / FEEDER**

- **Hopper capacity:** 5m³ (6.5yd³)
- **Feed height with standard hopper:** 3.4m (11' 2'"
- **Feed height with standard hopper and extensions:** 3.7m (12' 1'"
- **Material:** 8mm wear resistant steel
- **Feed width at rear with standard hopper:** 2m (6' 6"
- **Feed width at rear with standard hopper and extensions:** 2.8m (9' 2"

**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):** 8m³ (10.4yd³) with extensions
- **Hopper Extensions:** hydraulic folding and hydraulic locking

**JAW CHAMBER**

- **Terex chamber single toggle jaw crusher**
- **Inlet width:** 1000mm (40"
- **Inlet gape:** 600mm (24"
- **Under jaw clearance:** 540mm
- **Drive arrangement:** Hydrostatic with full reverse crush capability
- **Maximum Closed Side Settings (CSS):** 145mm (5 3/4"
- **Minimum Closed Side Settings (CSS):** 40mm (1 1/2") Demolition and Recycling applications. 50mm (2") quarry application
- **Reverse action for clearing blockages**
- **Deflector plate - optional**
- **Full hydraulic closed side setting adjust**
- **Standard Liner Profile:** S-Tooth (18% Manganese)

**MAIN CONVEYOR**

- **Belt Width:** 900mm (36"
- **Belt Spec:** Plain
- **Working Angle:** 25°
- **Speed:** 130 m/min nominal
- **Discharge Height:** 3.5m (11' 5"
- **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:** 60m³ (78yd³) @ 40°

**POWERPACK**

- **Stage IIIA Constant Speed:** John Deere 6068
- **Engine Power:** 212kW (284hp)
- **Engine Speed:** 1800 rpm
POWERPACK
Tier 4F / Stage IV: Caterpillar C7.1
Engine Power: 205kW (275hp)
Engine Speed: 1800 rpm

TANK CAPACITIES
Hydraulic Tank: 600 litres / 132 UK gal / 159 US gal
Fuel Tank: 640 litres / 141 UK gal / 169 US gal
Urea Tank: 60 litres / 13 UK gal / 16 US gal

BY-PASS CONVEYOR (OPTIONAL)
Belt Width: 650mm (26")
Belt Spec: Plain
Working Angle: 22°
Speed: 80 m/min
Hydraulically folds for transport
Standard Discharge Height: 2.1m (6' 10")
Stockpile capacity: 12m³ (15.7yds³) @ 40°

MAGNET SEPARATOR (OPTIONAL)
Belt Width: 750mm (30")
Belt Spec: Cleated
Drive: Hydraulic

UNDERCARRIAGE
Shoe Width: 400mm (16")
Sprocket Centres: 3.24m (10' 7")
Dual speed tracking with ‘soft start’
Speed: 1.0 km/h
Gradeability: 30°

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

CHUTES
Heavy duty fully welded Inlet Chute with wear resistant liner plates
By-pass chute with selectable discharge flop 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
- 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 (optional)
- 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
- Catwalks on left hand side of the machine with access to both sides of the powerunit
- 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:
Stage IIIA Constant Speed: John Deere 6068 212kW (284hp)
Tier 4 Final: CAT 7.1 205kW (275hp)

JAW CHAMBER:
Terex 1000 x 600mm (40” x 24”) single toggle jaw crusher
hydrostatically driven
Fully hydraulically adjustable closed side setting
S tooth liners - 18% Manganese as Standard

HOPPER/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
Additional catwalk at inlet chute on RHS of m/c, giving access
to both sides of feeder

MAIN CONVEYOR:
Belt width: 900mm (36”) fitted with impact bars at feed point
Piped for over band magnet

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

DUST SUPPRESSION:
Piped for dust suppression complete with spray bars

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

GENERAL:
Safety guards in compliance with machinery directive
Dual speed tracks
Separate central operators panel

OPTIONAL EQUIPMENT

Feed material jaw level sensor. Check availability at time of
order
Hydraulic deflector plate - fits underneath jaw
Please contact the sales department for jaw liner options
(Depending on application)
Hydraulic folding & locking hopper extensions
Optional spacing on grizzly - 75mm
Beltweighter
Hydraulic raise/ lower of main conveyor
Dust cover on discharge conveyor. Check availability at time
of order
Rip stop belt option
Bypass conveyor with 650mm wide plain belt. Left hand
side discharge, standard
Bypass conveyor with 650mm wide plain belt. Right hand
side discharge
Single pole over band magnet, RHS discharge (c/w stainless
steel skirting & stainless steel discharge chute)
Twin pole over band magnet, RHS discharge (c/w skirting &
chute as above)
Hydraulic raise/ lower of magnet. Check availability at time
of order
Cold climate lubrication kit (Recommended for ambient
temperatures between -20 to +30°C)
Hot climate lubrication kit (Recommended for ambient
temperatures between +15 to +50°C)
Electrically driven water pump
Radio remote System: Operational controls of machine
(auto start/ stop) & track movement
Lighting mast
Control panel positive air pressurization
Feeder Control Station
Special paint colour (if different from Finlay Orange RAL
2002). RAL must be specified*
**Hopper and Feeder**
- Hopper capacity: 5m³ (6.5yd³)
- Feed height with standard hopper: 3.4m (11' 2")
- Feed height with standard hopper and extensions: 3.7m (12' 1")
- Material: 8mm wear resistant steel
- Feed width at rear with standard hopper: 2m (6' 6")
- Feed width at rear with standard hopper and extensions: 2.8m (9' 2")
- 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): 8m³ (10.4yd³) with extensions
- Hopper Extensions hydraulic folding and hydraulic locking

**Jaw Chamber**
- Terex chamber single toggle jaw crusher
- Inlet width: 1000mm (40")
- Inlet gape: 600mm (24")
- Under jaw clearance: 540mm nominal
- Drive arrangement: Hydrostatic with full reverse crush capability
- Maximum Closed Side Settings (CSS): 145mm (5 3/4")
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- Reverse action for clearing blockages
- Deflector plate - optional
- Full hydraulic closed side setting adjust
- Standard Liner Profile: S-Tooth (18% Manganese)

**Main Conveyor**
- Belt Width: 900mm (36")
- Belt Spec: Plain
- Working Angle: 25°
- Speed: 130 m/min nominal
- Discharge Height: 3.5m (11' 5")
- Impact bars and wear resistant liners at feed point
- High spec scraper at head drum
- Dust suppression: fitted with hose and spraybars as standard (norpump supplied)
- Standard Stockpile capacity: 60m³ (78yd³) @ 40°

**By-pass conveyor (optional)**
- Belt Width: 650mm (26")
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 80 m/min
- Hydraulically folds for transport
- Standard Discharge Height: 2.1m (6' 10")
- Stockpile capacity: 12m³ (15.7yds³) @ 40°

**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 power unit
- Compact folding for transport

**Undercarriage**
- Shoe Width: 400mm (16")
- Sprocket Centres: 3.24m (10' 7")
- Dual speed tracking with 'soft start'
- Speed: 1.0 km/h
- Gradeability: 30°

**Powerpack**
- Stage IIIA Constant Speed: John Deere 6068
  - Engine Power: 212kW (284hp)
  - Engine Speed: 1800 rpm
- Tier 4F / Stage IV: Caterpillar C7.1
  - Engine Power: 205kW (275hp)
  - Engine Speed: 1800 rpm

**Magnet**
- Optional
TRANSPORT DIMENSIONS

15.7m (51' 6")

2.6m (8' 6")

WORKING DIMENSIONS

15.5m (50' 10")

4.6m (15' 1")

MACHINE WEIGHT: **35,350kg (77,930lbs)** (with twin pole magnet, dirt conveyor & hopper extensions)

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