JAW CRUSHER

**SPECIFICATION:**

- **Inlet Opening:** 1000mm x 660mm (40” x 26”)
- **Net Engine Power:**
  - Tier 3 / Stage IIIA: Caterpillar C9 Acert 224kW (300hp)
  - Stage IIIA Constant Speed: Scania DC09 251kW (341hp)
  - Tier 4F / Stage IV: Caterpillar C7.1 205 kW (275hp)
- **Portability:** Tracked
- **Operating Weight:**
  - Without by-pass conveyor and magnet options: 33,500kg (73,854lbs)
  - With by-pass conveyor and magnet options: 36,000kg (79,365lbs)
SPECIFICATION

HOPPER / FEEDER
- Hopper capacity: 5m³ (6.5yd³)
- Feed height with standard hopper: 3.40m (11' 2")
- Feed height with standard hopper and extensions: 3.82m (12' 6")
- Material: 10mm wear resistant steel
- Feed width at rear with standard hopper: 1.73m (5' 8")
- Feed width at rear with standard hopper and extensions: 2.38m (7' 10")

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)
- Hopper Extensions hydraulic folding and manual locking

JAW CHAMBER
- Terex JW40 chamber single toggle jaw crusher
- Inlet width: 1000mm (40")
- Inlet gape: 660mm (26")
- Under jaw clearance: 465mm nominal
- Drive arrangement: Hydrostatic
- Maximum Closed Side Settings (CSS): 135mm (5 1/2")
- Minimum Closed Side Settings (CSS): 40mm (1 1/2") Demolition and Recycle applications, 75mm (3") 'Hard-Rock' Quarry application, 60mm (2 1/2") 'Soft-Rock' 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: 22°
- Speed: 110 m/min nominal
- Discharge Height: 3.3m (10' 10")
- 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: 53.4m³ (70yd³) @40°

POWERPACK
- Tier 3 / Stage IIIA: Caterpillar C9 Acert
- Engine Power: 224kW (300hp)
- Engine Speed: 2000 rpm
POWERPACK
Stage IIIA Constant Speed: Scania DC09
Engine Power: 251kW (341hp)
Engine Speed: 1800 rpm
Tier 4F / Stage IV: Caterpillar C7.1
Engine Power: 205kW (275hp)
Engine Speed: 2000 rpm

TANK CAPACITIES
Hydraulic Tank: 530 litres / 116 UK gal / 140 US gal
Fuel Tank: 400 litres / 88 UK gal / 106 US gal
Urea Tank: 60 litres / 13.2 UK gal / 16 US gal

BY-PASS CONVEYOR (OPTIONAL)
Belt Width: 650mm (26")
Belt Spec: Plain
Working Angle: 22°
Speed: 50 - 60 m/min
Hydraulically folds for transport
Standard Discharge Height: 2m (6' 8")
Stockpile capacity: 11.4m³ (15.6yds³) @ 40°
Optional extended discharge height: 2.8m (9' 2")
Extended Stockpile capacity: 32.6m³ (42.6yds³) @ 40°

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

UNDERCARRIAGE
Shoe Width: 400mm (16")
Sprocket Centres: 3.28m (10' 9")
Single tracking speed with ‘soft start’
Speed: 1.1 km/h
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

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 power unit
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 C9 Tier 3 ACERT, 300hp (224 kW)
- Stage IIIA Constant Speed: Scania DC09 251kW (341 hp)

JAW CHAMBER:
- Terex 1000 x 660mm (40" x 26") 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

HOPPER/FEEDER:
- Fixed Hopper
- Grizzly feeder with integral pre-screen, standard 50mm spacing
- Selectable discharge to by-pass conveyor or main conveyor
- Mesh aperture on grizzly feeder: 30mm

MAIN CONVEYOR:
- Belt width: 900mm (36") fitted with impact bars at feed point

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

GENERAL:
- Safety guards in compliance with machinery directive
- Separate central operators panel

OPTIONAL EQUIPMENT

- Tier 4 Final CAT 7.1 205kW (275 hp)
- Re-bar deflector plate underneath jaw
- Please contact the sales department for jaw liner options (Depending on application)
- Hydraulic folding hopper extensions
- Optional spacing on grizzly - 75mm
- Belt weigher
- Dust cover
- Rip stop belt option (check leadtime)
- Bypass conveyor with 650mm wide plain belt
- Extended bypass conveyor with 650mm wide plain belt
- Singlepole over band magnet (c/w stainless steel skirting & stainless steel discharge chute)
- 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 (requires 1 aux drive)¹
- Radio remote System
- Control panel positive air pressurization
- Lighting mast
- Separate Operators Panel
- 1 nr stockpiler drive (requires 1 aux drive)¹
- Special paint colour (if different from Finlay Orange RAL 2002). RAL must be specified.*
**Jaw Chamber**
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- Maximum Closed Side Settings (CSS): 135mm (5 1/2 ”)
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- Demolition and Recycle applications. 75mm (3”) ‘Hard-Rock’ Quarry application, 60mm (2 1/2”) ‘Soft-Rock’ Quarry application
- Reverse action for clearing blockages
- Deflector plate - optional
- Full hydraulic closed side setting adjust
- Standard Liner Profile: S-Tooth (18% Manganese)

**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

**Main Conveyor**
- Belt Width: 900mm (36”)
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 110 m/min nominal
- 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: 53.4m³ (70yd³)@40°

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**Hopper and Feeder**
- Hopper capacity: 5m³ (6.5yd³)
- Feed height with standard hopper: 3.40m (11’ 2”)
- Feed height with standard hopper and extensions: 3.82m (12’ 6”)
- Material: 10mm wear resistant steel
- Feed width at rear with standard hopper: 1.73m (5’ 8”)
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- Vibrating Grizzly feeder (VGF)
  - VGF grizzly aperture: 50mm (Option of 75mm)
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  - VGF Speed range: variable, 450-850 rpm
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**By-pass conveyor (optional)**
- Belt Width: 650mm (26”)
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**Undercarriage**
- Shoe Width: 400mm (16”)
- Sprocket Centres: 3.28m (10’ 9”)
- Single tracking speed with ‘soft start’
  - Speed: 1.1 km/h
  - Gradeability: 25°

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TRANSPORT DIMENSIONS

14.1m (46' 3")
2.6m (8' 9")
3.3m (10' 10")
3.4m (11' 2")

WORKING DIMENSIONS

14.1m (46' 3")
5.8m (19')
2.7m (8')
3.5m (11' 5")

MACHINE WEIGHT: 33,500kg (73,854lbs) (without by-pass conveyor and single pole magnet options)
36,000kg (79,365lbs) (with by-pass conveyor and single pole magnet options)

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