J-1175 Dual Power
Jaw Crusher

SPECIFICATION:

Inlet Opening: 1070mm x 760mm (42" x 30")
Net Engine Power: Tier 2 / Stage II Equivalent: Scania DC9 350hp (257kW)
                  Tier 4F / Stage IV: Scania DC9 350hp (257kW)
Portability: Tracked
Operating Weight: 54,300kg (119,711lbs)
                      (without by-pass conveyor and magnet options)
                      56,500kg (124,561lbs)
                      (with by-pass conveyor and magnet options)
**SPECIFICATION**

**HOPPER / FEEDER**
- Hopper capacity: 9 m³ (11.7 yd³)
- Feed height VGF: 3.98 m (12' 11'')
- Feed height Prescreen: 4.12 m (13' 6'')
- Material: 12 mm (1/2") wear resistant steel
- Feed width at rear VGF: 2.67 m (8' 9'')
- Feed width at rear Prescreen: 2.65 m (8' 8'')
- Locking mechanism: manual
- Hydraulically folding sides and rear
  - Vibrating Grizzly Feeder (VGF): 1.05 m wide x 4.25 m long
  - VGF grizzly aperture: 75 mm (Options 50 mm/100 mm/125 mm)
  - VGF wire mesh aperture: 38 mm (Other options available upon request)
  - VGF Speed range: variable, 450-850 rpm
  - Pan Feeder Speed range: variable, 450-850 rpm
- Optional Hopper extensions - 11 m³ (14.4 yd³)

**JAW CHAMBER**
- Terex JW42 Chamber single toggle jaw crusher
- Inlet width: 1070 mm (42'')
- Inlet gape: 760 mm (30'')
- Under jaw clearance: 460 mm nominal
- Drive arrangement: Electric
- Maximum Closed Side settings: 145 mm (5 3/4'') (subject to toggle selection)
- Minimum Closed Side Settings (CSS): 45 mm (1 3/4'') Demolition and Recycle applications. 75 mm (3'') ‘Hard-Rock’ Quarry application, 60 mm (2 1/2'') ‘Soft-Rock’ Quarry application
  - Reverse action for clearing blockages
  - Full hydraulic closed side setting adjust
  - Standard Liner Profile: S-Tooth (18% Manganese)

**MAIN CONVEYOR**
- Belt Width: 1.0 m (40'')
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 100 m/min nominal
- Discharge Height: 3.6 m (11' 10'') with standard conveyor
- Optional extended conveyor discharge height: 4 m (13' 2''), incorporates folding head section for transport
- Hydraulic raise/lower of head section for service access
- Impact bars and wear resistant liners at feed point
- High spec scraper at head drum

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MAIN CONVEYOR continued
- Tail section raises hydraulically to increase clearance when tracking
- Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- Stockpile capacity: 69.4m³ (80.8yd³) @ 40°

POWERPACK
- Tier 2 / Stage II Equivalent: Scania DC9 350hp (257kW)
- Tier 4F / Stage IV: Scania DC9 350hp (257kW)
- Engine Speed: 1500 rpm

TANK CAPACITIES
- Hydraulic Tank: 390 litres / 85 UK gal / 103 US gal
- Fuel Tank: 430 litres / 95 UK gal / 114 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°
- Hydraulically folds for transport
- Standard Discharge Height: 2.1m (7')
- Stockpile capacity: 13.8m³ (18yd³) @ 40°
- Optional extended discharge height: 2.9m (9' 6")
- Extended Stockpile capacity: 36.3m³ (47.5yd³) @ 40°

UNDERCARRIAGE
- Bolt on tracks
- Shoe Width: 500mm (20")
- Sprocket Centres: 3.78m (12' 5")
- Two Speed Tracking with 'soft start'
- Speed: 1.1 km/h (maximum speed)
- Gradeability: 25°

TOOL BOX
- Mounted lockable toolbox
- Tool Kit and flagging spanners
- Grease gun
- Manuals
CHUTES
Heavy duty inlet chute with bolt-up construction, and 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 (IP65 Rated)
Four simple operating modes with menu driven graphic user interface-
- Track mode: For moving machine
- Automatic mode: For automatically starting the machine in predetermined sequence
- Set-up mode: For folding/setting up machine
- Configuration mode: For testing/setting individual components
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 Umbilical control for tracking
Radio remote control (optional)
Integrated machine and engine control panel
Lockable compartment
Auto regulating feeder selectable for improved throughput control

MAGNETIC SEPARATOR (OPTIONAL)
Suspended self cleaning crossbelt overband magnet
Belt Width: 750mm (30”)
Belt Spec: Cleated

PLATFORMS
Catwalk access on both sides 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

ELECTRICAL SPECIFICATION
Main Conveyor: 2 x 5.5 kW Motors
Magnet: 1.5 kW Motors
By-Pass Conveyor: 4 kW Motor
Hydraulic Pump: 55 kW (Tracking, Pre-Screen, Feeder, Folding)
Crusher Motor: 110 kW controlled via VSD (Variable Speed Drive)
(Speed Control, Ability to run in Reverse, Unblock Feature)
STANDARD FEATURES

**ENGINE:**
- Tier 2 / Stage II Equivalent: Scania DC9 350hp (257kW) water cooled diesel engine
- Tier 4F / Stage IV: Scania DC9 350hp (257kW) water cooled diesel engine

**JAW CHAMBER:**
- Terex 1070mm x 762mm (42” x 30”) single toggle jaw crusher
- Electric drive and advanced electronic control system
- Fully hydraulically adjustable closed side setting
- Reversible operation for clearing blockages
- S tooth liners Standard - 18% Manganese as standard

**HOPPER/FEE DER:**
- Hopper capacity: 9m³ (11.7 yd³)
- Hydraulically folding hopper sides
- Heavy duty vibrating feeder
- Integrated pan and feeder - cassette is 75mm spacing as standard
- Selectable discharge to by-pass conveyor or main conveyor
- Mesh aperture on grizzly feeder: 38mm (1.5”)

**MAIN CONVEYOR:**
- 1m wide main belt fitted with impact bars at feed point
- High spec scraper at head drum
- Piped for dust supression complete with spraybars
- Separate central operators panel

**GENERAL:**
- Piped for overband magnet
- Standard toggle setting 590mm
- Galvanised catwalk c/w handrail, kick board and access ladders
- 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

OPTIONAL EQUIPMENT

**Radio remote System:** Operational controls of machine (auto start/stop) & track movement

**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**

**Twinpole overband magnet (skirting & chute as above)**

**Belt weigher**

**Special paint colour (if different from Terex White Colour RAL 1013 or Finlay Orange RAL 2002) . RAL must be specified on order**

**Optional spacing on grizzly for integrated pan and feeder:**
- 50mm/100mm/125mm - please specify below

**Hydraulically driven water pump (Requires 1 aux drive)**

**Independent pre-screen c/w extended bypass conveyor with 650mm wide plain belt, 75mm cassette spacing and 38mm mesh as standard - other cassette and mesh apertures available upon request (Requires 1 aux drive)**

**Dust cover on discharge conveyor**

**Rip stop belt option**

**Lighting mast**

**Cold climate lubrication kit (for below -10ºc ambient)**

**Hot climate lubrication kit (For above +30ºc ambient)**

**Toggle options:**
- 570mm for larger closed side setting
- 610mm to maintain minimum recommended closed side setting

**Extended Hopper Flares (11m³ Capacity) - 14.4yd³**

**Portable urea filling pump c/w nozzle (Tier 4 models only)**

**S tooth liners standard**
Hopper / Feeder
- Hopper capacity: 9m³ (11.7yd³)
- Feed height VGF: 3.98m (12’ 11”)
- Material: 12mm (1/2”) wear resistant steel
- Feed width at rear VGF: 2.67m (8’ 9”)
- Feed width at rear Prescreen: 2.65m (8’ 8”)
- Locking mechanism: manual
- Hydraulically folding sides and rear
- Vibrating Grizzly feeder (VGF): 1.05m wide x 4.25m long
- VGF grizzly aperture: 75mm (Options 50mm/100mm/125mm)
- VGF wire mesh aperture: 38mm
- VGF Speed range: variable, 450-850 rpm
- Pan Feeder Speed range: variable, 450-850 rpm
- Optional Hopper extensions - 11m³ (14.4yd³)

Jaw Chamber
- Terex JW42 Chamber single toggle jaw crusher
- Inlet width: 1070mm (42”)
- Inlet gap: 760mm (30”)
- Under jaw clearance: 460mm nominal
- Drive arrangement: Hydrostatic
- Maximum Closed Side settings: 145mm (5½”) (subject to toggle selection)
- Minimum Closed Side Settings (CSS): 45mm (1 3/4”) Demolition and Recycle applications. 75mm (3”) Hard-Rock Quarry application, 60mm (2 1/2”) ‘Soft-Rock’ Quarry application
- Reverse action for clearing blockages
- Full hydraulic closed side setting adjust
- Standard Liner Profile: S-Tooth (18% Manganese)

Chassis
- Robust, heavy duty chassis

Platforms
- Catwalk access on both sides of the machine with access to both sides of the powerunit
- Compact folding for transport

Powerpack
- Tier 2 / Stage II Equivalent: Scania D09 350hp (257kW)
  - Engine Power: 350hp (261 kW)
  - Engine Speed: 1500 rpm
- Tier 4F / Stage IV: Scania DC9 77A
  - Engine Power: 350hp (257 kW) (EU SPEC)
  - Engine Speed: 1500 rpm

Electrical Specification
- Main Conveyor: 2 x 5.5 kW Motors
- Magnet: 1.5kW Motors
- By-Pass Conveyor: 4 kW Motors
- Hydraulic Pump: 55 kW
  - (Tracking, Pre-Screen, Feeder, Folding)
- Crusher Motor: 110 kW controlled via VSD
  - (Variable Speed Drive)
  - (Speed Control, Ability to run in Reverse, Unblock Feature)

Main Conveyor
- Belt Width: 1m (40”) x 4.25m long
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 100 m/min nominal
- Discharge Height: 3.6m (11’ 10”) with standard conveyor
- Optional extended conveyor discharge height: 4m (13’ 2”), incorporates folding head section for transport
- Hydraulic raise/lower of head section for service access
- Impact bars and wear resistant liners at feed point
- High spec scraper at head drum
- Tail section raises hydraulically to increase clearance when tracking
- Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- Stockpile capacity: 69.4m³ (90.8yd³) @ 40°

By-pass conveyor (optional)
- Belt Width: 650mm (26”)
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 100 m/min nominal
- Discharge Height: 2.1m (7’)
- Stockpile capacity: 13.8m³ (18yd³) @ 40°
- Optional extended discharge height: 2.9m (9’ 6”)
- Extended Stockpile capacity: 36.3m³ (47.5yd³) @ 40°

Undercarriage
- Bolt on tracks
- Shoe Width: 500mm (20”) x 4.25m long
- Sprocket Centres: 3.78m (12’ 5”)
- Two Speed Tracking with ‘soft start’:
  - Speed: 1.1 km/h (Maximum Speed)
- Gradeability: 25°
Transport Dimensions

14.5m (47' 8")
2.9m (9' 6")
3.5m (11' 6")

Working Dimensions

15.7m (51' 8")
6.2m (20' 4")
3.95m (12' 1")

MACHINE WEIGHT:

54,300kg (119,711lbs)
Operating weight (without by-pass conveyor and magnet options)

56,500kg (124,561lbs)
Operating weight (with by-pass conveyor and magnet options)