



TEREX | FINLAY

J-1175

DUAL POWER

J-1175 Dual Power Jaw Crusher



DUAL POWER

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)

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SPECIFICATION

HOPPER / FEEDER

Hopper capacity: 9m³ (11.7yd³)

Feed height VGF: 3.98m (12' 11")

Feed height Prescreen: 4.12m (13' 6")

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 (Other options available upon request)

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 gape: 760mm (30")

Under jaw clearance: 460mm nominal

Drive arrangement: Electric

Maximum Closed Side settings: 145mm (5 3/4") (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)

MAIN CONVEYOR

Belt Width: 1.0m (40")

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



Hopper & Feeder



Jaw Chamber



Main Conveyor



Main Conveyor

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 (90.8yd³) @ 40°

POWERPACK

Tier 2 / Stage II Equivalent: Scania DC9 350hp (257kW)

Tier 4F / Stage IV: Scania DC9 350hp (257kW)

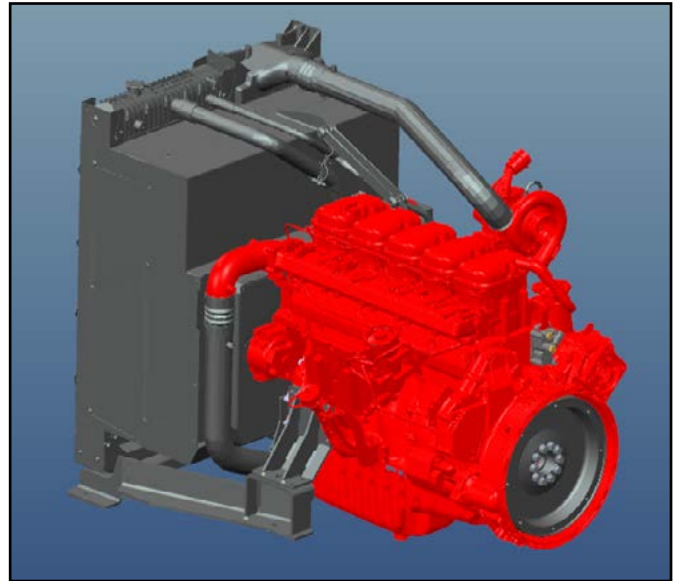
Engine Speed: 1500 rpm

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



Tier 2 / Stage II Equivalent: Scania DC9 350hp (257kW)

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°



Bypass Conveyor (Optional)

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 flogging spanners

Grease gun

Manuals



Tool Box

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 pre-determined 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)



Control System



Magnet Separator



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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/FEEDER:

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 suppression 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)

Re-bar deflector plate - fits underneath jaw

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 -10°C ambient)

Hot climate lubrication kit (For above +30°C 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")
- ▶ Feed height Prescreen: 4.12m (13' 6")
- ▶ 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
- ▶ (Other options available upon request)
- ▶ 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 (5 3/4") (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)

Magnet

- ▶ Optional

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

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")
- ▶ 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°
- ▶ 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

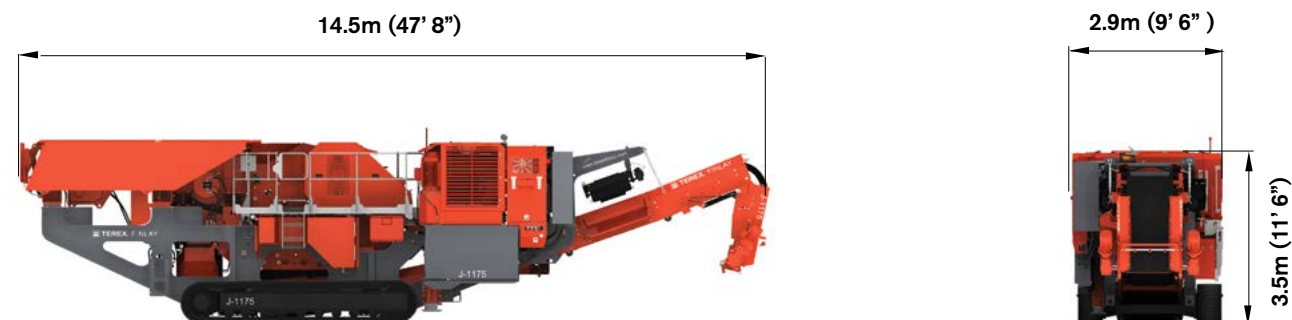
- ▶ Bolt on tracks
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 378mm (12' 5")
- ▶ Two Speed Tracking with 'soft start':
- ▶ Speed: 1.1 km/h (Maximum Speed)
- ▶ Gradeability: 25°

Powerpack

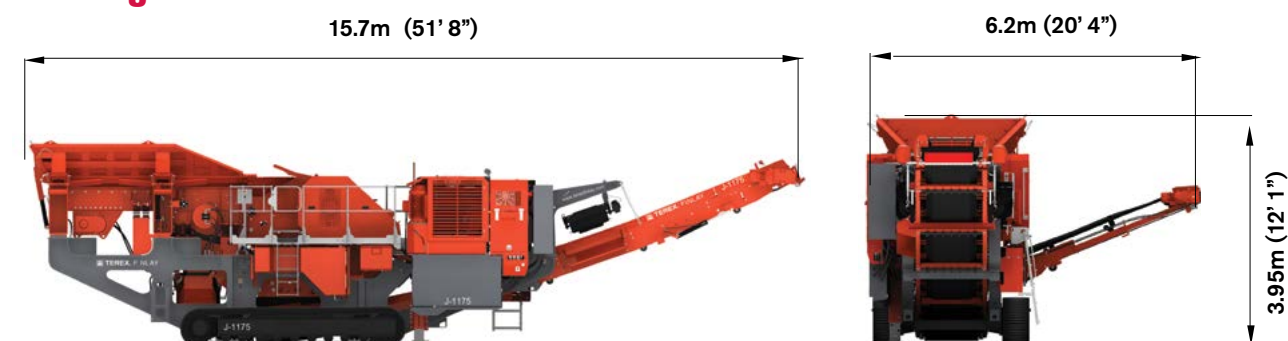
- ▶ Tier 2 / Stage II Equivalent: Scania DC9 350hp (257kW)
- ▶ Engine Power: 350hp (261 kW)
- ▶ Engine Speed: 1500 rpm
- ▶ Tier 4F / Stage IV: Scania DC9 77A
- ▶ Engine Power: 350hp (257 kW) (EU SPEC)
- ▶ Engine Speed: 1500 rpm

Transport Dimensions

J-1175
DUAL POWER 



Working Dimensions



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)

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