



J-1280

JAW CRUSHER



SPECIFICATION:

Inlet Opening:	1200mm x 820mm (47" x 32")
Net Engine Power:	Tier 3 / Stage IIIA: Caterpillar C13 328kW 440hp Tier 4F/Stage IV: Scania DC13 331kW (450hp) Stage V: Scania DC13 331kW (450hp)
Portability:	Tracked
Operating Weight:	75,060 KG (165,478 lbs) (Tier 4F, VGF, Bypass Conveyor & Single Pole Magnet)

STRONG **HERITAGE**, STRONG **FUTURE**



SPECIFICATION

HOPPER/FEEDER

Hopper capacity: 9.3m³ (12.2yds³)

Feed height: 4.49m (14' 9")

Hopper length: 4.82m (15' 10")

Hopper width: 2.2m (7' 3") standard
4m (13' 1") with extensions

Hopper type: Hydraulic locking from ground level

Hopper body: Abrasion resistant feed hopper with hydraulic struts and pins

Integrated pan and vibrating grizzly feeder standard

Grizzly aperture: 75mm (Option 100mm)

Grizzly wire mesh aperture: 38mm (Other options available upon request)

Feeder speed range: variable, 450-900 rpm

Grizzly dims: 2.12m long X 1.12m wide (6' 11" x 3' 10")

Hopper extensions (Optional): 14.2m³ (18.6yd³)

JAW CHAMBER

Terex chamber single toggle jaw crusher

Inlet width: 1200mm (47")

Inlet gape: 820mm (32")

Drive arrangement: Direct drive via clutch

Maximum Closed Side Settings (CSS): 200mm (8")

Minimum Closed Side Settings (CSS): 75mm (3")

Full hydraulic closed side setting adjust

Standard Liner Profile: S-Tooth (18% Manganese)

MAIN CONVEYOR

Belt Width: 1.2m (3' 11")

Belt Spec: Plain

Working Angle: 21°

Discharge Height: 4m (13' 1")

Hydraulic raise & lower facility to aid rebar removal & transportation

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: 136m³ (178yds³) @ 40°

POWERPACK

Tier 3/Stage III: Caterpillar C13

Engine Power: 328kW (440hp)

Engine Speed: 11700-1800 rpm

Tier 4F/Stage IV: Scania DC13 85A

Engine Power: 331kW (450hp)

Engine Speed: 1700-1800 rpm

POWERPACK

Stage V: Scania DC13

Engine Power: 331kW (450hp)

Engine Speed: 1700-1800 rpm

TANK CAPACITIES

Hydraulic Tank: 750 litres / 165 UK gal / 198 US gal

Fuel Tank: 750 litres / 165 UK gal / 198 US gal

BY-PASS CONVEYOR (OPTIONAL)

Belt Width: 750mm (2' 5")

Belt Spec: Plain

Working Angle: 25° max

Speed: 100 m/min nominal

Hydraulically folds for transport

Discharge Height: 3.79m (12' 5")

Stockpile capacity: 89m³ (117yds³) @ 40°

MAGNETIC SEPARATOR (OPTIONAL)

Belt Width: 750mm (2' 6")

Belt Spec: Cleated

Belt Speed: Variable

Drive: Hydraulic

Single and twin pole version options available

Right hand side discharge standard

UNDERCARRIAGE

Shoe Width: 500mm (20")

Sprocket Centres: 4.17m (13' 8")

Speed: 0.8 km/h (0.5mph) (maximum speed)

Gradeability: 30° maximum

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 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

CONTROL SYSTEM continued

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 to LHS and RHS standard

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: Caterpillar C13 328kW (440hp)

Tier 4 Final: Scania DC13 331kW (450hp)

Stage V: Scania DC13 331kW (450hp)

JAW CHAMBER:

Terex 1200 x 820mm (47" x 32") single toggle jaw crusher c/w full hydraulic closed side setting adjustment

Drive arrangement: Direct drive via clutch

S tooth liners - 18% Manganese as Standard

Bypass chute with 5 settings

HOPPER / FEEDER:

Hydraulically folding hopper sides and locking system

Integrated pan and vibrating grizzly feeder - cassette is 75mm spacing as standard

Mesh aperture on grizzly feeder: 40mm

Bypass chute with 5 position deflector plate

MAIN CONVEYOR:

Belt width: 1200mm (47") wide main belt, rigid non folding, 4m discharge height.

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

Control panel positive air pressurisation

Hand held track control set with connection lead

T-Link Telemetry System fitted c/w 7 years data subscription

GENERAL:

Safety guards in compliance with machinery directive

Left hand side crusher platform

OPTIONAL EQUIPMENT

Multi tooth jaw plates in lieu of super tooth jaw plates

Quarry tooth jaw plates in lieu of super tooth jaw plates

Heavy Duty Fixed Jaw

Hydraulic unblock feature for clearing blockages

Feed material level sensor

Deflector plate under jaw

Hopper Extensions to give 2.95m (9' 8") rear feed width

Hopper Extensions to give 4m (13' 1") rear feed width

Grizzly cassette with 100mm (4") nominal spacing

Extended Pan Feeder with Independent 2 deck pre-screen c/w 75mm cassette spacing and 40mm mesh as standard Includes hopper support legs

Independent pre screen grizzly cassette with 100mm (4") nominal spacing

Extended conveyor: 4.6m discharge height

Dust cover on discharge conveyor

Dust cover on discharge conveyor (extended)

Stockpile level sensor

Belt weigher

Auxiliary Conveyor: Bypass conveyor 750mm (30") wide (RHS Discharge STD) Note: Increases transport length on VGF machine.

Magnet prepared c/w hosing, shedder plate and mounting chains

Singlepole over band magnet (c/w stainless steel skirting & stainless steel discharge chute)

Twinpole overband magnet (skirting & chute as above)

Magnet Right hand side discharge standard

Hot climate lubrication kit (Recommended for ambient temperature between +15 and +50°C ambient)

Cold climate lubrication kit (Recommended for ambient temperature between -20 and +30°C ambient)

Water pump for dust suppression

Radio remote System

Electric re-fuelling pump

Lighting mast

Hopper and Feeder

- ▲ Hopper capacity: 9.3m³ (12.2yds³)
- ▲ Feed height: 4.49m (14' 9")
- ▲ Hopper length: 4.82m (15' 10")
- ▲ Hopper width: 2.2m (7' 3") standard
4m (13' 1") with extensions
- ▲ Hopper type: Hydraulic locking from ground level
- ▲ Hopper body: Abrasion resistant feed hopper with hydraulic struts and pins
- ▲ Material: 15mm wear resistant steel
- ▲ Locking mechanism: hydraulic
- ▲ Integrated pan and vibrating grizzly feeder standard
- ▲ Grizzly aperture: 75mm (Option 100mm)
- ▲ Grizzly wire mesh aperture: 38mm (Other options available upon request)
- ▲ Feeder speed range: variable, 450-900 rpm

Jaw Chamber

- ▲ Terex chamber single toggle jaw crusher
- ▲ Drive arrangement: Direct Drive via clutch
- ▲ Inlet width: 1200mm (47")
- ▲ Inlet gape: 820mm (32")
- ▲ Maximum Closed Side Settings (CSS): 200mm (8")
- ▲ Minimum Closed Side Settings (CSS): 75mm (3")
- ▲ Full hydraulic closed side setting adjust
- ▲ Standard Liner Profile: S-Tooth (18% Manganese)

By-pass Conveyor (Optional)

- ▲ Belt Width: 750mm (2' 5")
- ▲ Belt Spec: Plain
- ▲ Working Angle: 25° max
- ▲ Speed: 100 m/min nominal
- ▲ Hydraulically folds for transport
- ▲ Discharge Height: 3.79m (12' 5")
- ▲ Stockpile capacity: 89m³ (117yds³) @ 40°

Main Conveyor

- ▲ Belt Width: 1.2m (3' 11")
- ▲ Belt Spec: Plain
- ▲ Working Angle: 21°
- ▲ Discharge Height: 4m (13' 1")
- ▲ Hydraulic raise & lower facility to aid rebar removal & transportation
- ▲ 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: 136m³ (178yds³) @ 40°

Platforms

- ▲ Galvanised catwalks and ladders for full maintenance and service access
- ▲ Catwalk access to LHS and RHS as standard
- ▲ Compact folding for transport

Undercarriage

- ▲ Shoe Width: 500mm (20")
- ▲ Sprocket Centres: 4.17m (13' 8")
- ▲ Speed: 0.8 km/h (0.5mph) (maximum speed)
- ▲ Gradeability: 30° maximum

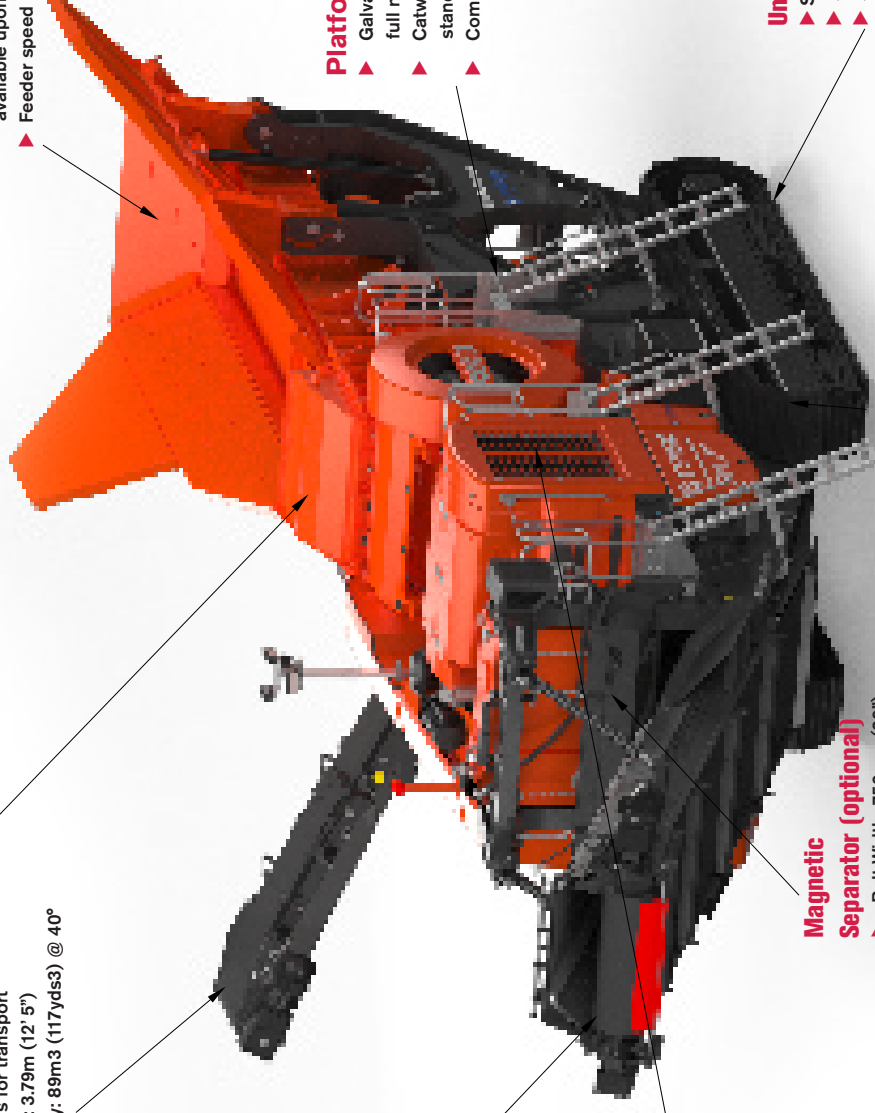
Magnetic

Separator (optional)

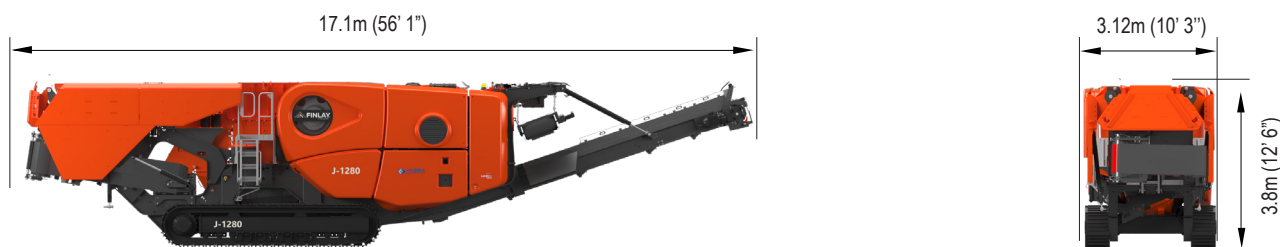
- ▲ Belt Width: 750mm (30")
- ▲ Belt Spec: Cleated
- ▲ Belt Speed: Variable
- ▲ Drive: Hydraulic
- ▲ Right hand side discharge standard

Powerpack

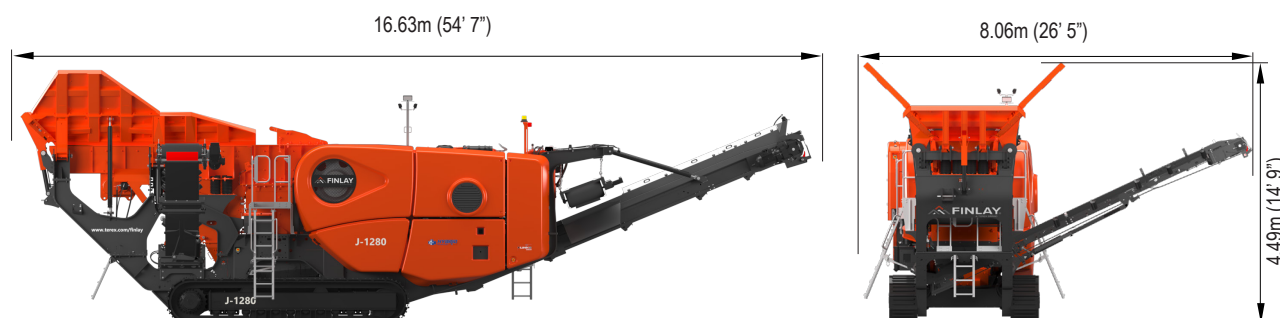
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Engine Power: 328kW (440hp)
Engine Speed: 1700-1800 rpm
- ▲ Tier 4F/Stage IV: Scania DC13
Engine Power: 331kW (450hp)
Engine Speed: 1700-1800 rpm
- ▲ Stage V: Scania DC13
Engine Power: 331kW (450hp)
Engine Speed: 1700-1800 rpm



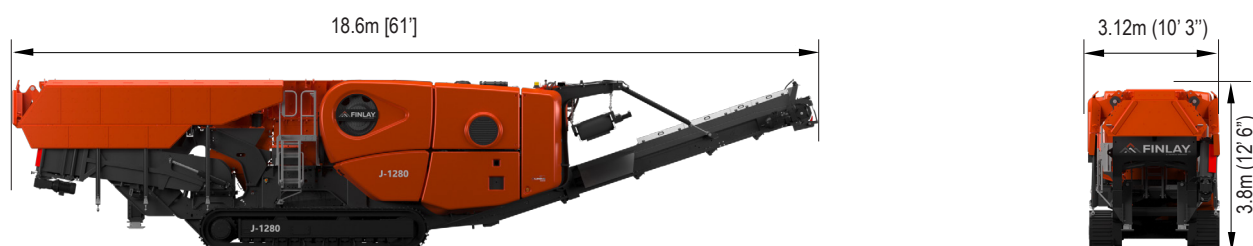
TRANSPORT DIMENSIONS (VGF)



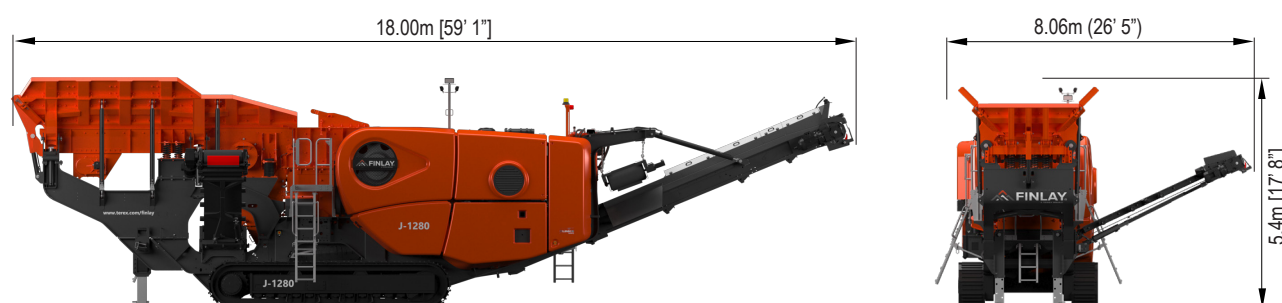
WORKING DIMENSIONS (VGF)



TRANSPORT DIMENSIONS (PRE-SCREEN)



WORKING DIMENSIONS (PRE-SCREEN)



MACHINE WEIGHT: 75,060 KG (165,480lbs)

(By-pass with VGF. Pre-screen option, magnet and extended folding conveyor option)

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