

# J-1480

## JAW CRUSHER



### SPECIFICATION:

Inlet Opening:	1415mm x 820mm (55" x 32")	
Net Engine Power:	Tier 3 / Stage IIIA:	Caterpillar C13 328kW (440hp)
	Tier 4F:	Scania DC13 331kW (450hp)
	Stage V:	Scania DC13 331kW (450hp)
Portability:	Tracked	
Operating Weight:	79,450kg (175,157lbs) (without by-pass conveyor & twin pole magnet options)	

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



# SPECIFICATION

## HOPPER/FEEDER

Hopper capacity: 10m<sup>3</sup> (13yd<sup>3</sup>)

Feed height: 4.67m (15' 5")

Material: 15mm wear resistant steel

Width at rear with standard flares: 2.86m (9' 5")

Width at rear with standard flares and extensions: 3.76m (12' 5")

Locking mechanism: hydraulic

Independent Hydraulic Prescreen as standard

Prescreen grizzly aperture: 75mm (Options 100mm / 125mm)

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

Feeder speed range: variable, 450-900 rpm

Prescreen dims: 2.3m long x 1.36m wide (7' 6" x 4' 6")

Hopper extensions (Optional): 12m<sup>3</sup> (15.6yd<sup>3</sup>)

## JAW CHAMBER

Terex JW55 chamber single toggle jaw crusher

Inlet width: 1415mm (55")

Inlet gape: 820mm (32")

Under jaw clearance: 380mm nominal

Drive arrangement: Hydrostatic

Maximum Closed Side Settings (CSS): 225mm (9")

Minimum Closed Side Settings (CSS): 75mm (3") Demolition and Recycle applications. 85mm (3 1/4") Quarry applications

Reverse action for clearing blockages

Full hydraulic closed side setting adjust

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

## MAIN CONVEYOR

Belt Width: 1.4m (55")

Belt Spec: Plain

Working Angle: 21°

Discharge Height: 4.5m (14' 9")

Hydraulic raise/lower of main conveyor and head section for service access

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: 135.5m<sup>3</sup> (177.2yds<sup>3</sup>) @ 40°

## POWERPACK

Tier 3 / Stage IIIA: Caterpillar C13

Engine Power: 328kW (440hp)

Engine Speed: 1800 rpm

Tier 4F / Scania DC13

Engine Power: 331kW (450hp)

Engine Speed: 1800 rpm



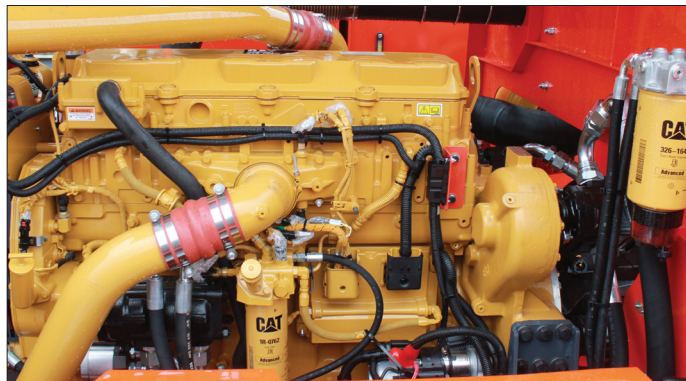
Hopper and Feeder



Hopper and Feeder



Jaw Chamber



Powerpack

## POWERPACK

Stage V: Scania DC9  
 Engine Power: 331kW (450hp)  
 Engine Speed: 1800 rpm

## TANK CAPACITIES

Hydraulic Tank: 900 litres / 198 UK gal / 237 US gal  
 Fuel Tank: 1000 litres / 220 UK gal / 263 US gal

## BY-PASS CONVEYOR (OPTIONAL)

Belt Width: 750mm (30")

Belt Spec: Plain

Working Angle: 30°

Speed: 100 m/min nominal

Hydraulically folds for transport

Discharge Height: 3.6m (11' 10")

Stockpile capacity: 69.4m<sup>3</sup> (90.8yds<sup>3</sup>) @ 40°

## MAGNETIC SEPARATOR (OPTIONAL)

Belt Width: 750mm (30")

Belt Spec: Cleated

Belt Speed: Variable

Drive: Hydraulic

## UNDERCARRIAGE

Shoe Width: 500mm (20")

Sprocket Centres: 4.2m (13' 9")

Dual speed tracking with 'soft start'

Speed: 1.0 km/h (maximum speed)

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 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



Bypass Conveyor (Optional)



Magnetic Separator (Optional)



Undercarriage



Tool Box

## CONTROL SYSTEM continued

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 (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 on both sides of the machine with access to both sides of the powerunit and to the rear of the machine

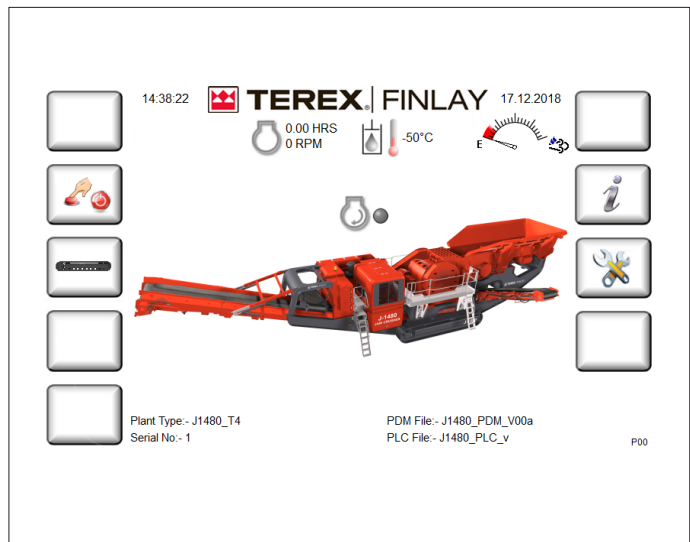
Compact folding for transport

## 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



Control System



Platforms



Remote Control Unit (Optional)

**STANDARD FEATURES****ENGINE:**

Caterpillar C13 328kW (440hp) water cooled diesel engine  
(Engines are available to meet both US EPA emission standards, under CFR 1039.625 and EU flexibility provisions of Directive 97/68/EC)

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

Stage V: Scania DC9 331kW (450hp)

**JAW CHAMBER:**

Terex 1415mm x 820mm (55" x 32") 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

Please contact the sales department for jaw liner options  
(Depending on application)

**HOPPER / FEEDER:**

Hydraulic folding and locking hopper

Heavy duty vibrating Pan & independent Pre-screen (75mm Standard spacing)

Mesh aperture on grizzly feeder: 38mm

Selectable discharge to by-pass conveyor or main conveyor

**MAIN CONVEYOR:**

Belt width: 1.4m (55") fitted with impact bars at feed point

Stockpile Level Sensor

**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 Spray bars

**ELECTRICAL:**

Emergency stops

Handheld track control set with connection lead

T-Link Telemetry System fitted c/w 3 years data subscription

Electric refuelling pump

**GENERAL:**

Safety Guards in compliance with machinery directive

Separate central operator's panel

Two speed tracks

**OPTIONAL EQUIPMENT**

Hopper Extensions

Optional spacing on prescreen, 100mm/125mm (please specify)

Belt weigher

Main Conveyor Dust Cover

Bypass conveyor with 750mm wide plain belt

Twinpole over band magnet (c/w stainless steel skirting & stainless steel discharge chute on Right Hand Side)

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)

Water pump

Radio remote System

Control panel positive air pressurization

Special paint colour (if different from Finlay Orange 2002) RAL must be specified on order

### Platforms

- ▲ Galvanised catwalks and ladders for full maintenance and service access
- ▲ Catwalk access on both sides of the machine with access to both sides of the powerunit and to the rear of the machine
- ▲ Compact folding for transport

### Main Conveyor

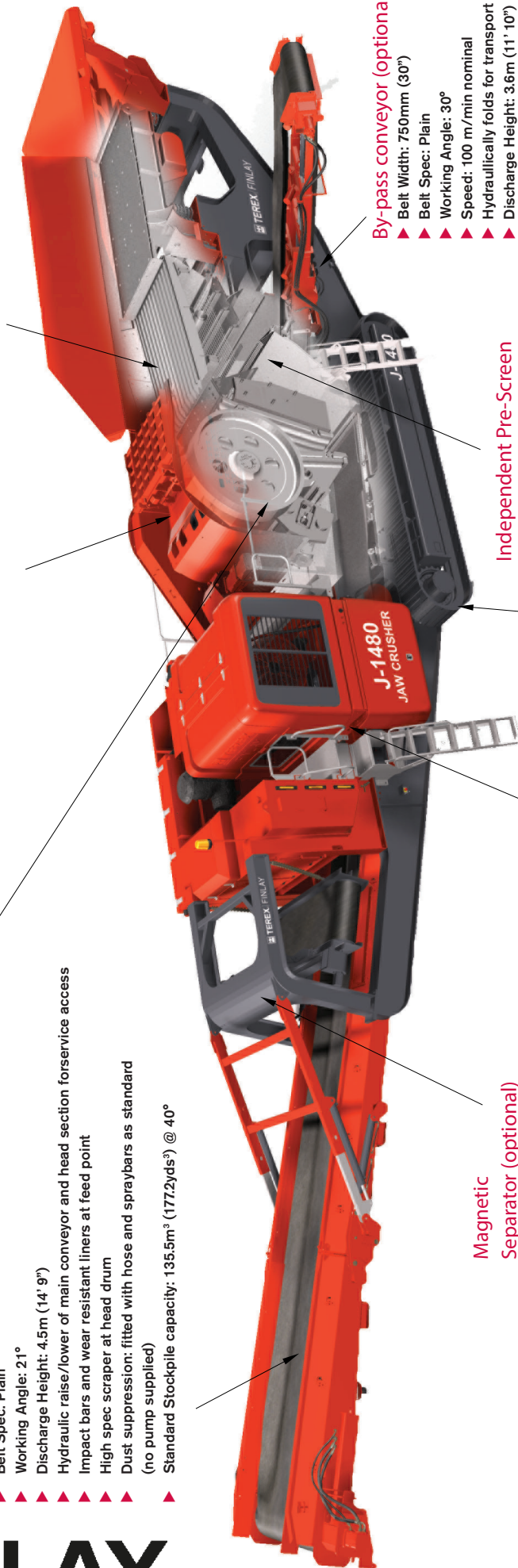
- ▲ Belt Width: 1.4m (55")
- ▲ Belt Spec: Plain
- ▲ Working Angle: 21°
- ▲ Discharge Height: 4.5m (14' 9")
- ▲ Hydraulic raise/lower of main conveyor and head section for service access
- ▲ Impact bars and wear resistant liners at feed point
- ▲ High spec scraper at head drum
- ▲ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▲ Standard Stockpile capacity: 135.5m<sup>3</sup> (177.2yds<sup>3</sup>) @ 40°

### Jaw Chamber

- ▲ Terex JW55 chamber single toggle jaw crusher
- ▲ Inlet width: 1415mm (55")
- ▲ Inlet gape: 820mm (32")
- ▲ Under jaw clearance: 380mm nominal
- ▲ Drive arrangement: Hydrostatic
- ▲ Maximum Closed Side Settings (CSS): 225mm (9")
- ▲ Minimum Closed Side Settings (CSS): 75mm (3")
- ▲ Demolition and Recycle applications. 85mm (3 1/4") Quarry applications
- ▲ Reverse action for clearing blockages
- ▲ Full hydraulic closed side setting adjust
- ▲ Standard Liner Profile: S-Tooth (18% Manganese)

### Hopper and Feeder

- ▲ Hopper capacity: 10m<sup>3</sup> (13yds<sup>3</sup>)
- ▲ Feed height: 4.67m (15' 5")
- ▲ Material: 15mm wear resistant steel
- ▲ Width at rear with standard flares: 2.86m (9' 5")
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- ▲ Locking mechanism: hydraulic
- ▲ Independent Hydraulic Prescreen as standard
- ▲ Prescreen grizzly aperture: 75mm (Options 100mm / 125mm)
- ▲ Prescreen wire mesh aperture: 38mm (Other options available upon request)
- ▲ Feeder speed range: variable, 450-900 rpm
- ▲ Prescreen dims: 2.3m (7' 6") long x 1.36m (4' 6") wide
- ▲ Hopper extensions (Optional): 12m<sup>3</sup> (15.6yds<sup>3</sup>)



### Magnetic Separator (optional)

- ▲ Belt Width: 750mm (30")
- ▲ Belt Spec: Cleated
- ▲ Belt Speed: Variable
- ▲ Drive: Hydraulic

### Independent Pre-Screen

- ▲ Optional for increased fines removal

### Powerpack

- ▲ Tier 3 / Stage IIIA: Caterpillar C13 Engine Power: 328kW (440hp) Engine Speed: 1800 rpm
- ▲ Tier 4F: Scania DC13 Engine Power: 331kW (450hp) Engine Speed: 1800 rpm
- ▲ Stage V: Scania DC9 Engine Power: 331kW (450hp) Engine Speed: 1800 rpm

### Undercarriage

- ▲ Shoe Width: 500mm (20")
- ▲ Sprocket Centres: 4.2m (13' 9")
- ▲ Dual speed tracking with 'soft start'
- ▲ Speed: 1.0 km/h (maximum speed)
- ▲ Gradeability: 25°

### By-pass conveyor (optional)

- ▲ Belt Width: 750mm (30")
- ▲ Belt Spec: Plain
- ▲ Working Angle: 30°
- ▲ Speed: 100 m/min nominal
- ▲ Hydraulically folds for transport
- ▲ Discharge Height: 3.6m (11' 10")
- ▲ Stockpile capacity: 69.4m<sup>3</sup> (90.8yds<sup>3</sup>) @ 40°

## TRANSPORT DIMENSIONS



## WORKING DIMENSIONS



**MACHINE WEIGHT:** 79,450kg (175,157lbs)  
(without by-pass conveyor and twin pole magnet options)

83,450kg (183,976lbs)  
(with by-pass conveyor and twin pole magnet options)

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



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Jaw Crusher