

JAW CRUSHER



 **DUALPOWER** 



J-175





WORKS FOR YOU.™

J-1175 DUAL POWER

The dual powered Terex Finlay J-1175 jaw crusher offers operators the flexibility to power the plant either by mains electric connection or the onboard genset powerpack configuration. Either power option presents operators with significant power, servicing and maintenance cost savings in direct comparison to a diesel/hydraulic powered plant.

The plant incorporates the robust Terex® JW42 high performance electrically driven single toggle jaw chamber and a heavy duty VGF feeder to give optimum production in quarrying, mining, demolition and recycling applications.

Additional benefits include, rapid set up time, ease of maintenance, high reduction ratio, high output capacity and advanced electronic control system.

STANDARD FEATURES

ENGINE:

330kVA / 264kW Alternator, c/w standard auxiliary drive capable of driving an additional 100 kVa

Tier 2 Equivalent: Scania DC9 257kW (350hp) & IE3 Electrical Motors (where applicable on the machine)

Stage IIIA Constant Speed: Scania DC9 273kW (365hp)

ALTERNATOR:

330kVA / 264kW, c/w standard auxiliary drive capable of driving an additional 100 kVa

JAW CHAMBER:

Terex 1070 x 762mm (42" x 30") single toggle jaw crusher c/w full hydraulic closed side setting adjustment

Electric drive

Reversible operation for clearing blockages

S tooth liners - 18% Manganese as Standard

Standard toggle setting 590mm

HOPPER / FEEDER:

Hydraulically folding hopper sides

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

Mesh aperture on grizzly feeder: 38mm

MAIN CONVEYOR:

Belt width: 1000mm (40") fitted with impact bars at feed point

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

Two speed tracks

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")
- ▶ Hydraulically folding sides and rear
- ▶ Optional Hopper extensions - 11m³ (14.4yd³)

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

Features:

- ▶ The plant's electrically driven power systems provide significant cost advantages and efficiencies.
- ▶ Superior performance in dusty applications and in high altitude environments.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered electric drive ensures precise chamber controls and reverse functionality for clearing blockages and assisting in demolition and recycling applications.



By-pass conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2.1m (7')
- ▶ Stockpile capacity: 36.3m³ (47.5yd³) @ 40°

Jaw Chamber

- ▶ Terex JW42 Chamber single toggle jaw crusher
- ▶ Inlet width: 1070mm (42")
- ▶ Inlet gap: 760mm (30")
- ▶ Under jaw clearance: 460mm nominal
- ▶ Full hydraulic closed side setting adjust
- ▶ Standard Liner Profile: S-Tooth (18% Manganese)

Magnet

- ▶ Optional

Main Conveyor

- ▶ Belt Width: 1000mm (40")
- ▶ Discharge Height: 3.6m (11' 10") with standard conveyor
- ▶ Impact bars and wear resistant liners at feed point
- ▶ High spec scraper at head drum
- ▶ Stockpile capacity: 69.4m³ (90.8yd³) @ 40°

Powerpack

- ▶ Tier 2 / Stage II Equivalent: Scania DC09
Engine Power: 257kW (350hp)
Engine Speed: 1500 rpm
- ▶ Stage IIIA (Tier 3) Constant Speed: Scania DC09
Engine Power: 273kW (365hp)
Engine Speed: 1500 rpm
- ▶ Tier 4F / Stage IV: Scania DC09
Engine Power: 257kW (350hp)
Engine Speed: 1500 rpm (1800 rpm USA)

Undercarriage

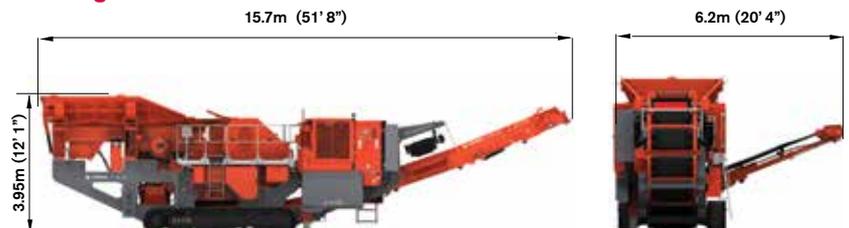
- ▶ Bolt on tracks
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.78m (12' 5")
- ▶ Two Speed Tracking with 'soft start'



Transport Dimensions



Working Dimensions



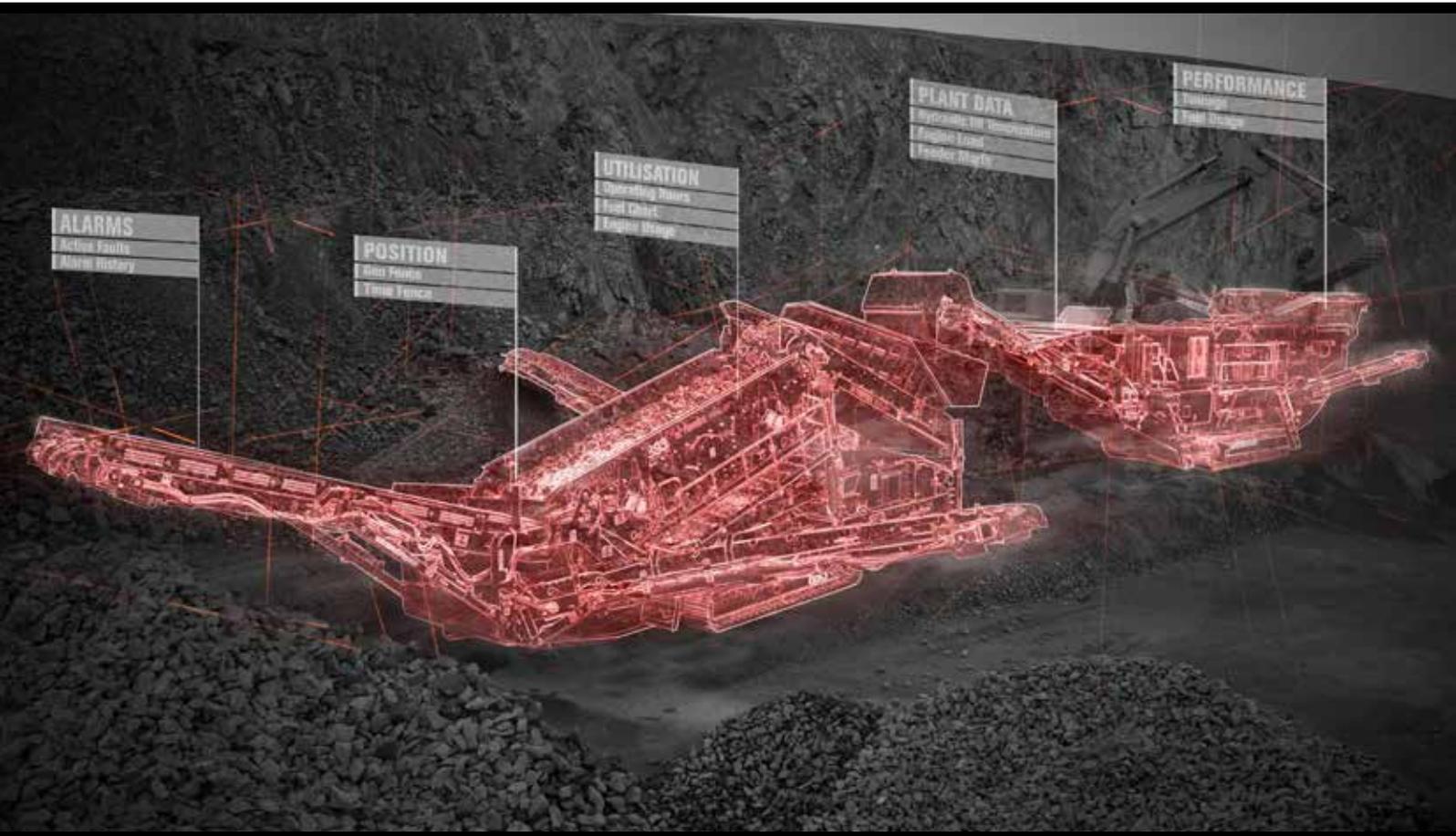
DUALPOWER

Machine 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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FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

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