J-1170 Elektro

JAW CRUSHER



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

FINLAY®
A TEREX BRAND

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JAW CRUSHER

HYBRID TECHNOLOGY

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The Terex Finlay J-1170 Elektro hybrid crusher offers operators the flex- ibility 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 main- tenance cost savings in direct comparison to a diesel/hydraulic powered plant.

The plant incorporates the robust Terex® 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.

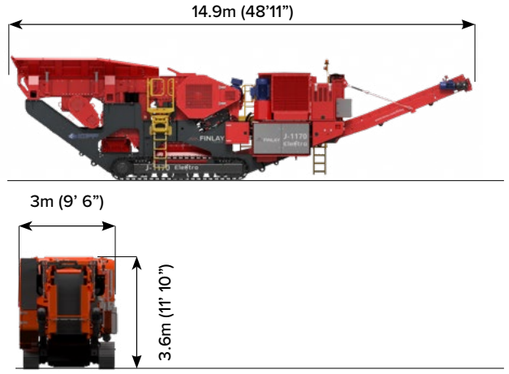
Additional benefits include, rapid set up time, ease of maintenance, high reduction ratio, high output capacity and advanced electronic control system.

FEATURES:

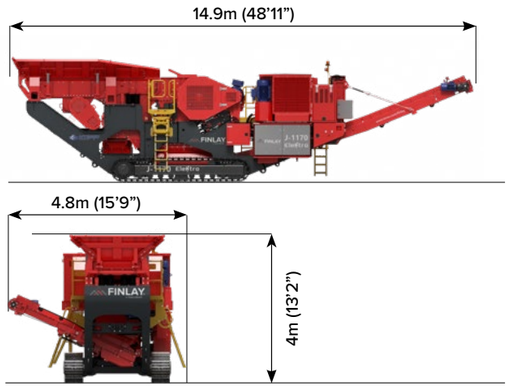
- The plant's electrically driven power systems provide significant cost advantages and efficiencies.
- Double Door Electrical Panel designed for heavy duty dusty applications.
- Aggressive Crushing action with high swing jaw encouraging material entry into Crushing Chamber.
- Integrated Telematics Solution for Real-Time Monitoring of Machine Performance.

DIESEL PERFORMANCE ELECTRIC

TRANSPORT DIMENSIONS



WORKING DIMENSIONS



Machine Weight: * 47,000kg (103,617 lbs)*
T3 with VGF and by-pass conveyor

1. POWERPACK

Engine: Caterpillar CAT C7.1 Tier3
Engine Power: 226.8kW (304.2hp)
Engine Speed: 1500 rpm
Alternator: 320kVA

2. JAW CHAMBER

Terex Chamber single toggle jaw crusher
Inlet Width: 1100mm (44")
Inlet Gap: 700mm (28")
Under jaw clearance: 500mm (1'8") nominal
Hydraulic Adjust Closed Side Setting
Drive: 110kW (148hp) Electric Motor

3. HOPPER/FEEDER

Hopper Capacity: 9m^3 (11.7yd^3)
Feed Height VGF: 4.04m (13' 13")
Material: 10mm (3/8") wear resistant steel
Feed Width at Rear VGF: 2.7m (8' 10")
Manually Folding Sides and Rear
Drive: 15kW (20hp) Electric Motor with VFD drive

4. MAIN CONVEYOR

Belt Width: 1000mm (40")
Discharge Height: 3.45m (11'4") with standard conveyor
Impact bars and wear resistant liners at feed point
Rosta scraper at head drum
Stockpile capacity: 53.45m^3 (70 yd^3) @ 40°
Drive: x2 5.5kW (7.4hp) Geared Electric Motors

5. BY-PASS CONVEYOR

Belt Width: 650mm (26")
Hydraulically Folds for Transport
Standard Discharge Height: 2.26m (7'5")
Stockpile Capacity: 17.2m3 (22.5yd3) @ 40°
Drive: 4kW (5.4hp) Electric Motor

6. CHASSIS

Robust, heavy duty chassis

7. PLATFORMS

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

8. UNDERCARRIAGE

Bolt on tracks
Shoe Width: 500mm (20")
Sprocket Centres: 3.71m (12' 2")

9. OPTIONS

Overband magnet
Belt weigher

BENEFITS

Hybrid machines can be run by:
a. On-board Engine
b. External Diesel Generator
c. Mains Supply
Electrical drive is fuel efficient.
Less hydraulic component means lower hydraulic oil consumption and maintenance
Low carbon footprint
Telematics for monitoring machine performance



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