



# I-120RS

## IMPACT CRUSHER



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





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The Finlay® I-120RS electric impact crusher has been designed to meet the needs of customers for whom electricity is the preferred power source. The intelligent and flexible design of the power pack enables the machine to be connected directly to the grid or a genset electrical power source.

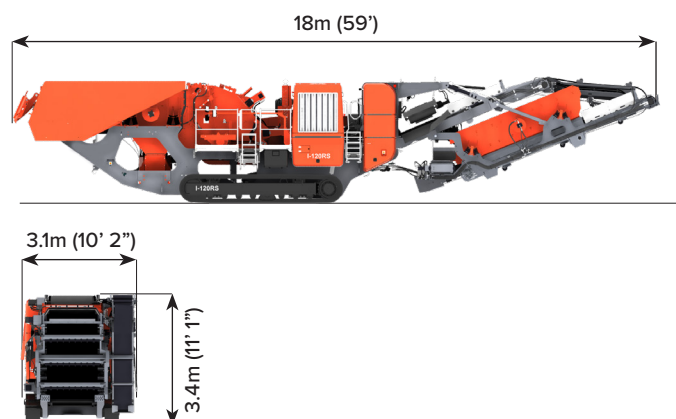
In operational mode the plant's electrical drive system powers the feeder, crusher and all conveyors without compromising on performance and flexibility in applications.

For ease of transport the machine is fitted with an onboard engine that can be engaged for powering the tracks to enable movement around the job site. As the world moves towards a more environmentally friendly future investing in electric powered equipment can position your business to a long-term sustainability and compliance with changing regulations.

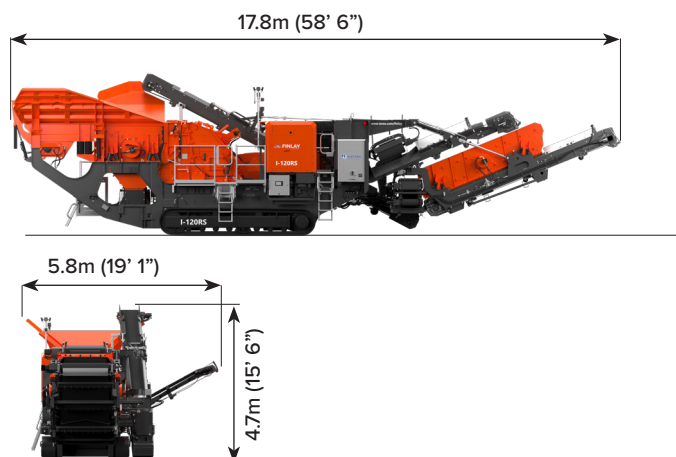
### FEATURES:

- Significant reduction in operating costs by powering from grid electricity.
- Reduced carbon footprint with the elimination of Co2 gas emissions and reduction in engine noise when operating in both urban and indoor environments.
- Electric powered equipment typically require less maintenance than diesel counterparts reducing maintenance costs.
- Maximised machine availability and uptime as scheduled service interval periods are longer.
- Electric crushers are generally more energy-efficient and cost effective to operate compared to diesel powered crushers.

### TRANSPORT DIMENSIONS



### WORKING DIMENSION



**MACHINE WEIGHT:** 53,450kg (117,837lbs)  
(Prescreen, Hopper Extensions, Dirt Conveyor  
& Heavy Duty Magnet)  
(Note this is with single transfer option)



## 1. HOPPER / FEEDER

Capacity: 5m<sup>3</sup> (6.5 yd<sup>3</sup>)

With Extensions: 8m<sup>3</sup> (10.4 yd<sup>3</sup>) 4m (13' 1") rear feed width with hydraulic folding hopper extensions

Hydraulic locking

## 2. BY-PASS CONVEYOR

Belt Width: 650mm (26")

Max. achievable discharge height target approx. 2.5m (8'2")

Stockpile capacity: 18.1m<sup>3</sup> (23.7yd<sup>3</sup>)

## 3. IMPACT CHAMBER

Rotor diameter: Ø1033mm (41")

Rotor width: 1100mm (44")

Inlet opening: 1130mm (45") x 800mm (32")

## 4. RE-CIRCULATING CONVEYOR

Belt Width: 500mm (20")

Screen Angle: Fixed

Conveyor can be hydraulically rotated between re-circulation mode and stockpile mode



## T-LINK TELEMATICS

T-Link telematics hardware and software along with free seven year data subscription are fitted and installed as standard.

## 5. POWER SOURCE

Globally compliant Cat 2.2 55kW (74hp) (Covers all regions)

160 kW Chamber Motor

2x 55kW electric motors for auxiliary functions

Variable speed crusher drive which allows the user to set the rpm of the rotor to suit the application

All functions hydraulic driven powered by electric motors

Tracking and machine setup powered by the engine

## 6. MAIN CONVEYOR

Belt Width: 1.1m (44")

Discharge Height: 3.5m (11' 5")

Hydraulic lowering for transport

## 7. SCREENBOX

Both decks: 3.66m x 1.53m (12' x 5')

Drive: hydraulic with heavy duty bearing

Complete RS System can be quick detached if not required

## 8. FINES CONVEYOR

Belt Width: 1.4m (55")

Discharge height: 3m (9' 10")



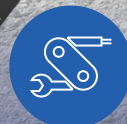
**ELECTRIC  
POWERED**



**MAINTENANCE  
SAVINGS**



**REDUCED  
EMISSIONS**



**FLEXIBILITY AND  
VERSATILITY**



**OPERATIONAL  
COST SAVINGS**



**NOISE  
REDUCTION**



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