



TEREX | FINLAY

TRACKED MOBILE HEAVY DUTY SCREEN



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The Terex Finlay 863 mobile tracked heavy duty screen is a compact and aggressive forward facing screen. This flexible and mobile plant can work in aggregates, sand and gravel, top soil, construction demolition and recycling applications where site space is at a premium. The fully self-contained plant can be hydraulically folded and ready for transport in less than an hour making it the ideal machine for contract screening. The plant has the capacity to process at a rate of up to 280 tonnes per hour and can be fed either by a tracked mobile crusher or an excavator.

STANDARD FEATURES

ENGINE:

Deutz TD2011 L04i - 4 cylinder diesel engine developing 49.4kw (66.2 hp) @ 2300 RPM

Tier 4F / Caterpillar C3.4B - 4 cylinder diesel engine developing 55kW (73.8hp) @ 2300 RPM

FEEDER:

Hopper Capacity: 5m³ (6.54yd³) with hydraulically folding extensions

Beltfeeder with 1000mm plain belt (40") and hydraulic gearbox drive

SCREENBOX:

Modular configuration screen box

Hydraulic raise for mesh changing 500mm (20")

2.76m x 1.22m (9' x 4') top deck screen and 2.76m x 1.22m (9' x 4') bottom deck screen, with variable angle adjust 14° to 18°

No mesh included for any deck (but all mesh fitting parts included as standard)

OVERSIZE CONVEYOR:

Belt Width: 1000mm (40") chevron belt, hydraulic folding c/w skirting

MIDDLEGRADE CONVEYOR:

Belt Width: 650mm(26") chevron belt with variable speed

FINES CONVEYOR:

Belt Width: 650mm (26") Plain belt with variable speed and belt scraper

FINES TRANSFER CONVEYOR:

Belt Width: 1000mm (40") c/w SCS scraper

ELECTRICAL:

Emergency Stops (4 nr)

Control operation of tracks via hand held-set with 5m connection lead

GENERAL:

Safety guards in compliance with machinery directive

Low level greasing

68 grade hydraulic oil

Hopper / Feeder

- ▶ Hopper Capacity: 5m³ (6.54yd³) with hydraulic folding hopper extensions
- ▶ Feed height: 3.3m (10' 10")
- ▶ Feed in width: 2.2m (7' 3")
- ▶ Drive: Hydraulic variable speed drive via high torque gearbox
- ▶ Beltfeeder dimensions: 1m wide x 3.4m long (40" x 11' 2")
- ▶ Speed: variable

Fines conveyor

- ▶ Belt width: 650mm (26")
- ▶ Belt spec: plain belt
- ▶ Working Angle: 25°
- ▶ Rosta scraper on head drum
- ▶ Speed: variable speed, 185 m/min max belt speed
- ▶ Standard Discharge Height: 3.85m (12' 8")
- ▶ Stockpile capacity: 85m³ (111yd³)

Powerunit

- ▶ Tier 3 / Stage IIIA: Deutz TD2011 L04i
Engine Power: 49.4kW (66.2hp)
Engine Speed: 2300 rpm
- ▶ Tier 4F / Stage IIIB: Caterpillar C3.4
Engine Power: 55kW (73.7hp)
Engine Speed: 2300 rpm

Features:

- ▶ Aggressive screen box can accept bofar bars, screenharps, woven mesh, punch plate and cascade fingers.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 14° to 18°.
- ▶ Screen box discharge end can be hydraulically raised 500mm to facilitate efficient and easy media access and changing.
- ▶ Oversize conveyor angle can be hydraulically adjusted from 15° to 24°.



Screenbox

- ▶ Top deck: 2.76m x 1.22m (9' x 4')
- ▶ Bottom deck: 2.76m x 1.22m (9' x 4')
- ▶ Tensioning top deck: side
- ▶ Tensioning bottom deck: end
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Screen Angle: 14° - 18°, hydraulic adjust
- ▶ Screen Speed: 920 rpm
- ▶ Screen stroke Min/Max range: 10 - 12mm (0.4" - 0.5")
- ▶ Screen stroke standard: 10mm (0.4")
- ▶ Screen box discharge end raises hydraulically 500mm to facilitate mesh changing
- ▶ Wear resistant liners on top deck discharge chute: No
- ▶ Media options: Mesh, Punch Plate, Tines, Bofar bars, Cascade Fingers
- ▶ Total screening area: 6.7m² (72ft²)

Midgrade conveyor

- ▶ Belt width: 650mm (26")
- ▶ Belt spec: chevron belt
- ▶ Working Angle: 25°
- ▶ Speed: variable speed, 185 m/min max belt speed
- ▶ Standard Discharge Height: 3.68m (12' 1")
- ▶ Stockpile capacity: 75m³ (98yd³)

Oversize conveyor

- ▶ Belt width: 1m (40")
- ▶ Belt spec: Chevron
- ▶ Working Angle: 15° - 24°, hydraulic adjust
- ▶ Speed: Variable speed, 115 m/min max belt speed
- ▶ Impact bars 1/2 Length of conveyor
- ▶ Steel skirted full length of conveyor
- ▶ Discharge Height: 3.5m (11' 6")
- ▶ Stockpile capacity: 64m³ (83.8yd³) max

Transfer conveyor

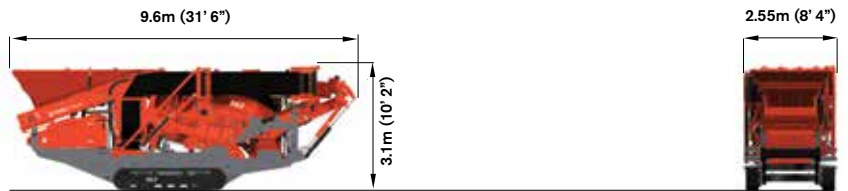
- ▶ Belt width: 1m (40")
- ▶ Belt spec: 3 ply Belt, EP 400
- ▶ Belt Speed: 145 m/min max belt speed
- ▶ Conveyor fully skirted
- ▶ High spec scraper at head drum

Undercarriage

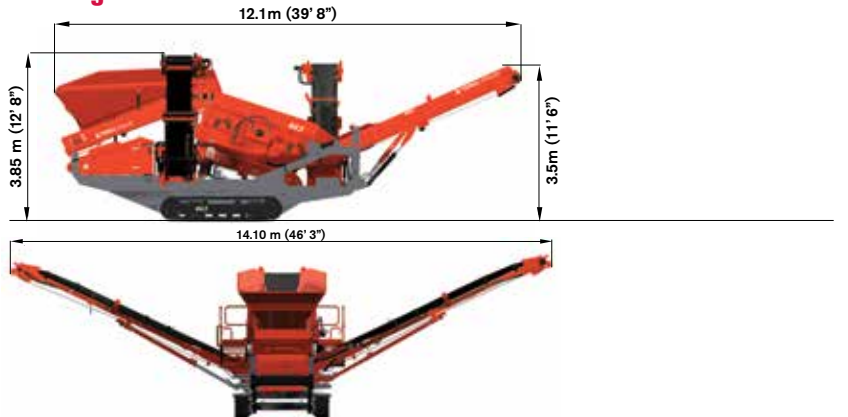
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.5m (8' 2")
- ▶ Dual speed tracking
 - High speed: 1.6kph
 - Low speed: 0.9kph
- ▶ Gradeability: 39°
- ▶ Raking Angle: 9° min



Transport Dimensions



Working Dimensions

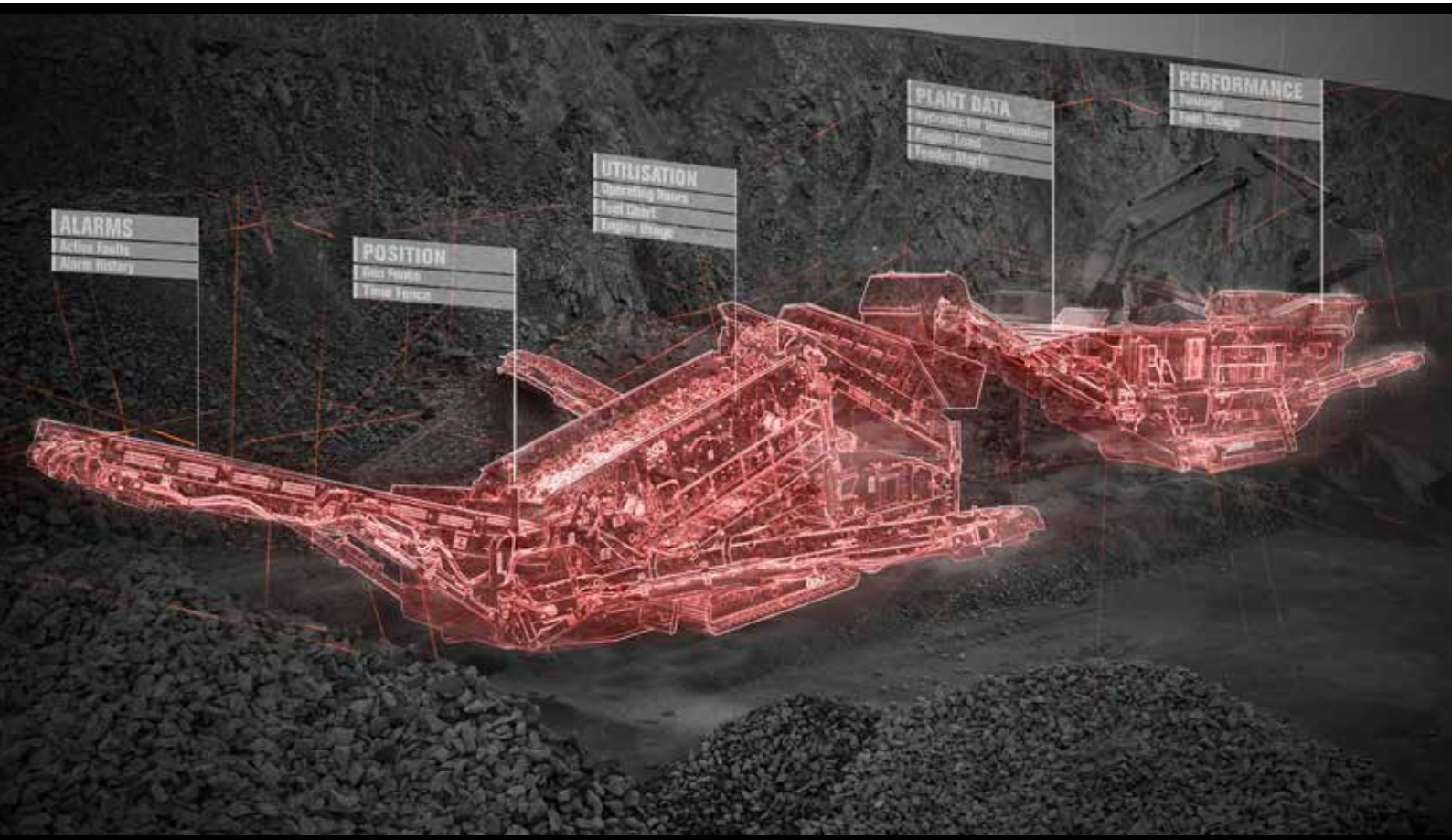


Machine Weight: 18,300kg (40,350lbs)
* With belt feeder

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FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

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