



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 fllexible 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.

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°.

STANDARD FEATURES

Tier 3 / Stage IIIA: Deutz TD2011 L04i - 4 cylinder diesel engine developing 49.4kW (66.2hp) @ 2300 rpm

Tier 4F / Stage IIIB: Caterpillar C3.4 55kW (73.7hp)

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

Beltfeeder with 1m plain belt (40") and hydraulic gearbox drive

6mm High Tensile Steel Plate hopper

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°

Belt Width: 1m (40") O/S conveyor with chevron belt (3.5m dischargeheight) Hydraulic folding and angle adjustment 14° to 24°

Skirting on oversize conveyor

Belt Width: 650mm (26") chevron belt on middlegrade conveyor with variable speed. Discharge height 3.67m

Belt Width: 650mm (26") plain belt on fines conveyor with variable speed and belt scraper. Discharge 3.85m

Belt Width: 1m (40") fines transfer/collection conveyor c/w scs scraper

Heavy duty undercarriage unit with 400mm wide pads - 2500mm sprocket centres

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

Safety guards in compliance with machinery directive

Low level greasing

Emergency Stops (4 nr)

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

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)

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

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)

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

Transfer conveyor

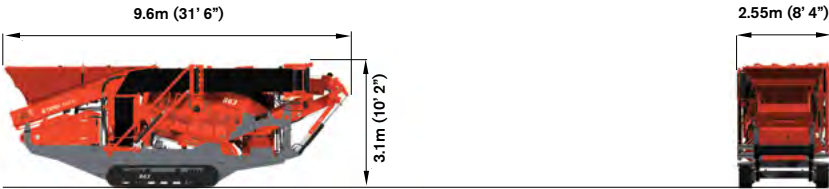
- ▶ Belt width: 1m (40")
- ▶ Belt spec: 3 ply Belt, EP 400
- ▶ Belt Speed: 145 m/min max belt speed
- ▶ Conveyor fully skirted
- ▶ High spec scraper at head drum

Oversize conveyor

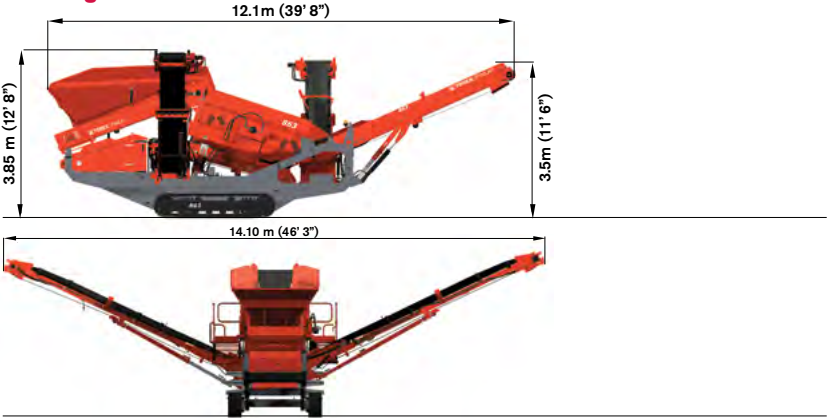
- ▶ Belt width: 1m (40")
- ▶ Belt spec: Chevron
- ▶ Working Angle: 15° - 24°, hydraulic adjust
- ▶ Speed: Variable speed, 115 m/min max belt speed
- ▶ Impact bars 2/3 Length of Conveyor
- ▶ Steel skirted full length of conveyor
- ▶ Discharge Height: 3.5m (11' 6")
- ▶ Stockpile capacity: 64m³ (83.8yd³) max



Transport Dimensions



Working Dimensions



Machine Weight: 18,300kg (40,345lbs)
* With belt feeder

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