

FINLAY

893

TRACKED MOBILE HEAVY DUTY SCREEN



BELL

893

The Finlay 893 is a highly versatile and aggressive machine engineered and built for working in large scale quarrying, mining, construction and demolition debris, topsoil, recycling, sand, gravel, coal, ore and aggregate applications. The plant has the capacity to process at a rate of up to 800 tonnes per hour and can be fed either by a tracked mobile crusher, shovel or an excavator. Depending on the application the working angle of the aggressive screenbox can be hydraulically adjusted to between 14 – 18°. A key feature of the machine is the capability to change the working angle of the hopper/feeder. The working position can be lowered so that it can work with ease with a mobile crusher. The hopper/feeder working position can be raised to provide a reduced feeder angle when operated in direct mode from an excavator or shovel.

The screenbox top deck can be fitted with a variety of screening media including; Mesh, Punch plate, bofor bars & Tines. The bottom deck can be fitted with mesh, punch plate & cascade fingers.

This fully self-contained plant can be hydraulically folded and ready for transport in less than 30 minutes making it the ideal machine for large scale contract screening projects where a highly productive and dependable screen is paramount.

STANDARD FEATURES

Hopper / Feeder:

Hopper Capacity: 10m³ (13.08 yd³)

Apron feeder dimensions: 1.1m x Length 5.18m (43" x 16' 12")

Speed: variable, up to 24 mpm

Screenbox:

Top deck: 6.1m x 1.83m (20' x 6')

Bottom deck: 5.5m x 1.83m (18' x 6')

Screen Angle: 14° - 18°

Screen stroke standard: 8mm

Wear resistant liners on top deck and bottom deck discharge chute

Screen box discharge end raises hydraulically 600mm to facilitate mesh changing

Oversize Conveyor:

Belt width: 1.6m (63")

Discharge Height: 4.55m (14' 11")

Stockpile capacity: 140.1m³ (183.2 yd³) @ 40°

Midsize Conveyor:

Belt width: 900mm (36")

Standard Discharge Height: 4.35m (14' 03")

Stockpile capacity: 122m³ (159.6 yd³) @ 40°

Fines Conveyor:

Belt width: 900mm (36")

Standard Discharge Height: 4.50m (14' 09")

Stockpile capacity: 136m³ (178 yd³) @ 40°

Transfer Conveyor:

Belt width: 1.4m (55")

Belt spec: Plain

Tank Capacities:

Hydraulic Tank: 790 L (209 US Gal)

Fuel Tank: 597 L (158 US Gal)

Powerunit:

Tier 3 / Stage 3A: Caterpillar C6.6 Engine Power: 202hp (151kW)
Engine Speed: 2200 RPM

Tier 4i / Stage 3B Caterpillar C4.4 Engine Power: 173hp (129kW)
Engine Speed: 2200 RPM

Hopper / Feeder

- ▶ Hopper Capacity: 10m³ (13.08 yd³)
- ▶ Feed height: 3.22m - 4.134m
- ▶ Feed in width: 1.698m - 2.475m
- ▶ Drive: Hydraulic variable speed drive via high torque gearbox and heavy duty chain drive
- ▶ Apron feeder dimensions: 1.1m x Length 5.18m (43" x 16' 12")
- ▶ Speed: variable, up to 24 mpm

Fines conveyor

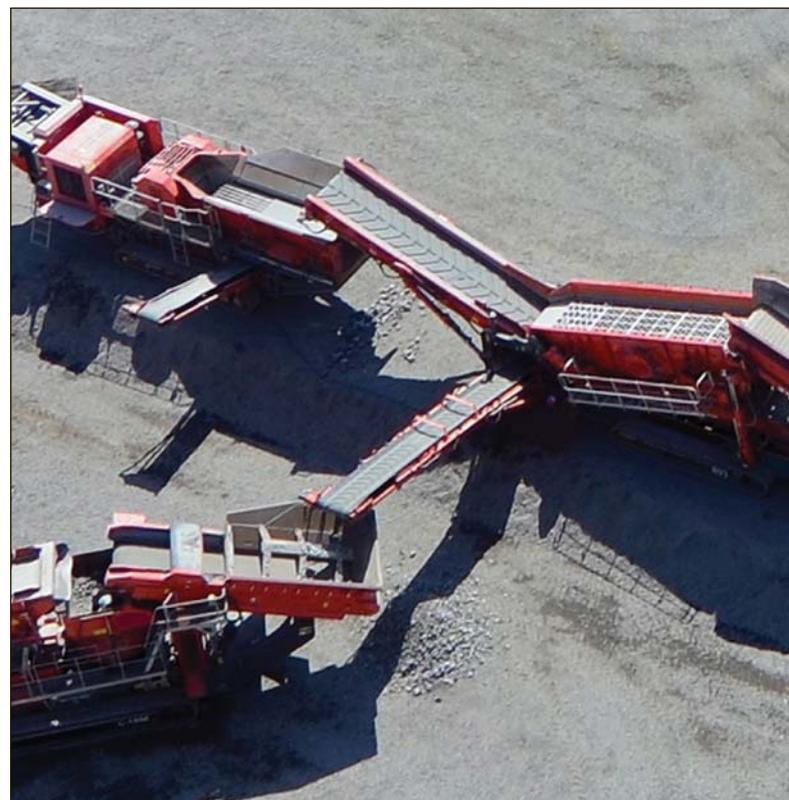
- ▶ Belt width: 900mm (36")
- ▶ Belt spec: plain
- ▶ Working Angle: 25°
- ▶ Standard Discharge Height: 4.50m (14' 09")
- ▶ Stockpile capacity: 136m³ (178 yd³) @ 40°

Transfer Conveyor

- ▶ Belt width: 1.4m (55")
- ▶ Belt spec: Plain

Features:

- ▶ Versatile aggressive screen box can be easily adapted to suit many applications.
- ▶ Modular configuration screen box with 6.1m x 1.8m (20' x 6') top deck and 5.5m x 1.8m (18' x 6') bottom deck screen.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 14 – 18°.
- ▶ Screen box discharge end can be hydraulically raised 600mm (24") to facilitate efficient and easy media access and changing.
- ▶ All stockpiling conveyors are hydraulic angle adjustable with hydraulic extending head sections for maximum discharge & stockpile height.
- ▶ Apron feeder angle adjustable, lower position to accommodate crusher feed, high position provides reduced feeder incline angle when operated in direct feed mode from excavator/loader.



Screenbox

- ▶ Top deck: 6.1m x 1.83m (20' x 6')
- ▶ Upper deck media: 40mm – 200mm
- ▶ Bottom deck: 5.5m x 1.83m (18' x 6')
- ▶ Bottom deck media: 100mm max
- ▶ Screen Angle: 14° - 18°
- ▶ Screen stroke Min/Max range: 8mm-10mm
- ▶ Screen stroke standard: 8mm
- ▶ Wear resistant liners on top deck and bottom deck discharge chute
- ▶ Screen box discharge end raises hydraulically 600mm to facilitate mesh changing
- ▶ Media options: Mesh, Punch Plate, Tines, Bofor bars, Cascade Fingers

Midsized conveyor

- ▶ Belt width: 900mm (36")
- ▶ Belt spec: Chevron
- ▶ Working Angle: 25°
- ▶ Standard Discharge Height: 4.35m (14' 03")
- ▶ Stockpile capacity: 122m³ (159.6yd³) @ 40°

Oversize conveyor

- ▶ Belt width: 1.6m (63")
- ▶ Belt spec: Chevron
- ▶ Working Angle: Hydraulic raise/lower variable working angle - 14° to 24°
- ▶ Hydraulically folding head section
- ▶ Discharge Height: 4.55m (14' 11")
- ▶ Stockpile capacity: 140.1m³ (183.2 yd³) @ 40°

Powerunit

- ▶ Tier 3 / Stage 3A: Caterpillar C6.6
Engine Power: 202hp (151kW)
Engine Speed: 2200 RPM
- ▶ Tier 4i / Stage 3B Caterpillar C4.4
Engine Power: 173hp (129kW)
Engine Speed: 2200 RPM

Undercarriage

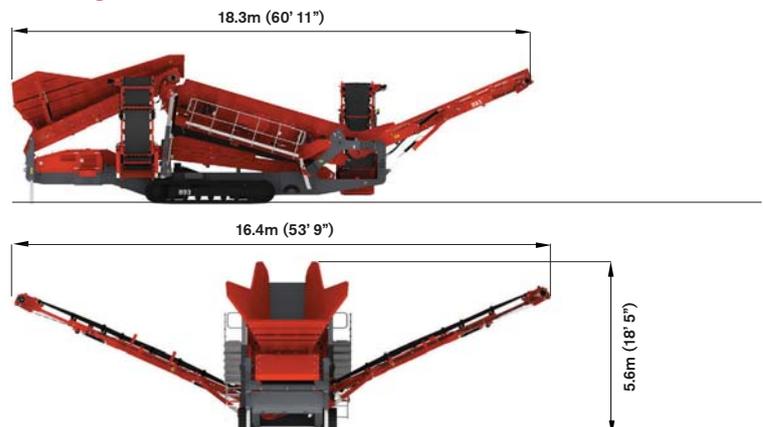
- ▶ Width: 500mm (20")
- ▶ Sprocket centres: 3.8m (12' 6")
- ▶ Gradeability: 28.9°



Transport Dimensions



Working Dimensions



Machine Weight: 48,000kg (106,000 lbs)*

*Standard Machine configuration

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Bell Equipment aims to keep you moving 24 hours a day, 7 days a week, 365 days a year.

Whether you need jaw liners, meshes or replacement components, only genuine Finlay parts guarantee the safety, proper functioning and reliability of your equipment. Finlay supplies quality original parts to protect your investment and our knowledgeable product specialists help ensure you receive exactly what you need to get your equipment back on the job quickly & cost effectively.



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