



**TEREX® | FINLAY**

# **INCLINED SCREEN**



**693+**  
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# 693+

The double deck Terex Finlay 693+ has been designed and developed to fulfill the demands of today's high production producer. The double deck screen configuration provides two full sized 6.1m x 1.53m (20' x 5') screen decks. A high capacity belt feed hopper is available with remote tipping grid or double deck vibrating grid. Impressive features include hydraulic tipping reject grid complete with grouser bars, three on-board hydraulic folding conveyors and low level greasing access points. Now available with dual power technology option. On-board electrical motors allow flexibility to run from an outside power supply or standard on-board engine.

## Features:

- ▶ The double deck 6.1m x 1.53m (20' x 5') screen box with full catwalk access is the largest and most accessible in it's class.
- ▶ A combination of quick wedge tensioning on the top deck and hydraulic tensioning on the bottom deck ensure mesh set up and change out times are kept to an absolute minimum.
- ▶ Maximum utilisation of the 6.1m x 1.53m (20' x 5') decks provide ultra-efficient screening capacities even at small aggregate sizes.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 18° and 30°.

## STANDARD FEATURES

Tier 3 / Stage IIIA: Caterpillar C4.4 - 4 cylinder diesel engine developing 83kW (111.3hp) @ 2200 rpm  
 Stage IIIA Constant Speed: Perkins 1104 - 4 cylinder diesel engine developing 97kW (130hp) @ 1800 rpm (EU only)  
 Tier 3 / Stage IIIA: Caterpillar C4.4 - 4 cylinder diesel engine developing 97kW (130hp) @ 2200 rpm  
 Tier 4F / Stage IV: Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 2200 rpm

Hopper capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>) - 4.25m (14ft) wide. Complete with 10mm replaceable steel liners

Belt width: 1.2m (48") variable speed belt feeder

Remote control hydraulic tipping reject grid c/w grouser bars 4.25m x 100mm spacing (14' x 4")

6.1 x 1.53m (20' x 5') top and bottom deck screen

Hydraulic tensioning (bottom deck screen mesh)

Galvanised access catwalks to both sides and around top of screen

Quick wedge tensioning - top deck

Belt width: 1.2m (48") plain belt on main conveyor

Belt width: 1.2m (48") fines belt

Belt width: 800mm (32") chevron belt on both side conveyors

Skirting on main conveyor

Heavy duty undercarriage unit with 500mm wide tracks

Control operation of tracks via hand-held set with 5m connection lead with heavy duty square connector

Safety guards in compliance to Machinery Directive.

Low level central greasing & emergency stops (4)

Wear resistant screenbox reject chute (1nr)

### Hopper / Feeder

- ▶ Hopper Capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>)
- ▶ Feed height: 3.67m (12')
- ▶ Feed in width: 4.77m (15' 8") (grid wing plates)
- ▶ Grid aperture: 100mm (42),
- ▶ 10mm replaceable steel hopper liners
- ▶ Drive: Hydraulic variable speed drive via high torque gearbox
- ▶ Beltfeeder belt width: 1.2m (48")
- ▶ Belt Spec: Plain EP 630, 4 ply, 6 + 2mm covers.
- ▶ Speed: variable, 0 - 16 mpm (0 - 53' per min)
- ▶ Wide mouth opening

### Main conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain 3 ply belt, EP400
- ▶ Hydraulic adjust
- ▶ Belt Speed: 92 mpm (302' per min)
- ▶ Steel skirted full length of conveyor

### Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4 Engine Power: 83kW (111.3hp) Engine Speed: 2200 rpm
- ▶ Stage IIIA Constant Speed: Perkins 1104 Engine Power: 97kW (130hp) Engine Speed: 1800 rpm (EU only)
- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4 Engine Power: 97kW (130hp) Engine Speed: 2200 rpm
- ▶ Tier 4F / Stage IV: Caterpillar C4.4 Engine Power: 82kW (110hp) Engine Speed: 2200 rpm

### Screen box

- ▶ All decks: 6.1m x 1.53m (20' x 5')
- ▶ Wedge side tensioned Top deck mesh
- ▶ Hydraulic end tensioned bottom deck mesh
- ▶ Drive: Hydraulic heavy duty 2-Bearing
- ▶ Screen Angle: 18° - 30°, hydraulic adjust
- ▶ Screen Speed: 1000 rpm
- ▶ Screen stroke standard: 7.5mm (5/16")
- ▶ Abrasion resistant material impact plate
- ▶ Galvanised access catwalks on both sides and top end of screen
- ▶ Total screening area: 18.5m<sup>2</sup> (200ft<sup>2</sup>)

### Fines conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 800cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain, 3 ply, EP400
- ▶ Working Angle: Variable 25° (Max)
- ▶ Rosta scraper on head drum
- ▶ Speed: 92 mpm (302' per min)
- ▶ Standard Discharge Height: 4.86m (15' 95")
- ▶ Stockpile capacity: 260m<sup>3</sup> (340yd<sup>3</sup>)

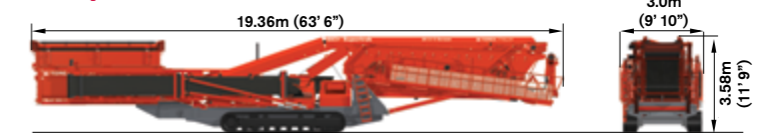
### Upsize / Middle Grade Conveyors

- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP400, 3 ply
- ▶ Working Angle: 24°
- ▶ Speed: Variable speed, 0 - 125mpm (410' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.71m (15' 5")
- ▶ Stockpile capacity: 193m<sup>3</sup> (252yd<sup>3</sup>)

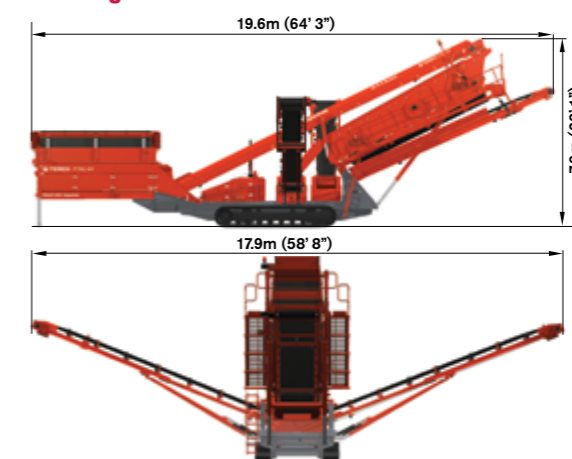
### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.8m (12' 5")
- ▶ Speed: 0.8 km/h
- ▶ Gradeability: 32.6°
- ▶ Raking Angle: 9°

### Transport Dimensions



### Working Dimensions



Machine Weight: \* 33,500kg (73,855lbs)  
 \* With tipping grid

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