



**TEREX® | FINLAY**

# **INCLINED SCREENS**



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# 683

Renown for its quality, performance and productivity the Terex Finlay 683 combines scalping, screening and stockpiling into one self contained unit. Its rugged design enables the Terex Finlay 683 with its top deck 3.66m x 1.53m (12' x 5') and bottom deck 3.00m x 1.53m (10' x 5') screen to handle materials such as sand and gravel, limestone, crushed stone, coal, topsoil and demolition waste. Remote tipping reject grid, hydraulic screen tensioning of bottom deck mesh and three on-board hydraulic folding conveyors are standard. The Terex Finlay 683 is available on tracks or as a wheeled unit. Washing equipment can be fitted to the screenbox if required.

## Features:

- ▶ The double deck screen box has all round catwalk access allowing for ease of operational maintenance.
- ▶ Tracked mobility and hydraulic folding product conveyors allow for ease of movement and rapid set up.
- ▶ Maximum utilisation of the two decks provide ultra-efficient screening capacities even at small aggregate sizes.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 18° degree and 39°.

## STANDARD FEATURES

Tier 3 / Stage IIIA Caterpillar C4.4 - 4 cylinder diesel engine developing 83kW (111.3hp) 2200 rpm  
 Stage IIIA Perkins 1104 97kW Constant Speed Engine - 4 cylinder diesel engine developing 97kW (130hp) 1800 rpm - Europe 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 (14') wide hopper

Belt width: 1.05m (42") variable speed belt feeder

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

3.66m x 1.53m (12' x 5') top deck screen and 3.00m x 1.53m (10' x 5') bottom deck screen

No mesh or speedharps included from any deck (but all mesh fitting parts included as standard)

Hydraulic tensioning (bottom deck screen mesh)

Galvanised access catwalks to both sides and around top of screen

Screenbox reject chute (1)

Belt width: 1m (40") main belt

Skirting on main conveyor

Belt width: 1.2m (48") fines belt

Belt width: 650mm (26") chevron belt on both side conveyors

Heavy duty undercarriage unit with 400mm wide tracks

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

Low level central greasing & emergency stops (4)

Safety guards in compliance with machinery directive

### OverSize & Middle Grade Conveyors

- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 650mm (26")
- ▶ Belt spec: Chevron 2 ply EP250
- ▶ Working Angle: 24°
- ▶ Speed: Variable speed, 0 - 103 mpm (338' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.72m (14')
- ▶ Stockpile capacity: 194m<sup>3</sup> (254yd<sup>3</sup>)

### Hopper / Feeder

- ▶ Hopper Capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>)
- ▶ Feed height: 3.45m (11' 4")
- ▶ Feed in width: 4.77m (15' 8") (grid wing plates)
- ▶ Grid aperture: 100mm (4")
- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Beltfeeder belt width: 1.05m (42")
- ▶ Belt Spec: Plain 3 ply belt, EP400
- ▶ 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: 1m (40")
- ▶ Belt spec: Plain 3 ply belt, EP400
- ▶ Belt Speed: 92 mpm (302' per min)
- ▶ Steel skirted full length of conveyor

### Fines conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain, 3 ply, EP400
- ▶ Working Angle: Variable 25° (Max)
- ▶ Rosta scraper on head drum
- ▶ Speed: variable speed, 92 mpm (302' per min)
- ▶ Standard Discharge Height: 3.86m (12' 8")
- ▶ Stockpile capacity: 106m<sup>3</sup> (139yd<sup>3</sup>)

### Tipping grid



### OverSize conveyor

### Screen box

- ▶ Top deck: 3.66m x 1.53m (12' x 5')
- ▶ Bottom deck: 3m x 1.53m (10' x 5')
- ▶ Side tensioned top deck
- ▶ Hydraulic end tensioned bottom deck
- ▶ Drive: Hydraulic heavy duty 2-Bearing
- ▶ Screen Angle: 18° - 37°, hydraulic adjust
- ▶ Screen Speed: 1200 rpm
- ▶ Screen stroke standard: 5.5mm (1/4")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Access catwalks on both sides and top end of screen
- ▶ Total screening area: 10.1m<sup>2</sup> (110ft<sup>2</sup>)

### 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
- ▶ 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

### Undercarriage

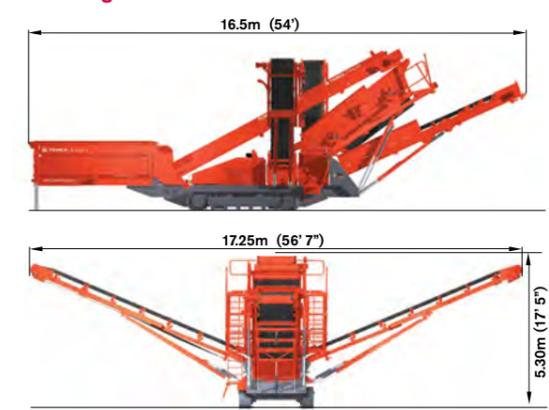
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.92m (9' 7")
- ▶ Speed: 0.9 km/h
- ▶ Gradeability: 27°
- ▶ Raking Angle: 8°



### Transport Dimensions



### Working Dimensions



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