



**TEREX® | FINLAY**

**984**

# **3 DECK TRACKED MOBILE HORIZONTAL SCREEN**



**WORKS FOR YOU.™**

# 984

The Terex Finlay 984 is a high performance horizontal 3 deck screener that is easy to set up, versatile and ideal for handling large volumes of material in quarrying, mining and recycling applications. Incorporating the proven 6100mm x 1930mm (20' x 6'4") Terex Cedarapids 6203 triple shaft screen for screening four product sizes of products maximising throughput and profitability. The adjustable elliptical throw of the three deck screen combines linear and circular amplitude to produce an aggressive screening action that reduces plugging and increases quality output. The 4 on-board product conveyors provide generous stockpiling capacity and fold hydraulically into one of the smallest transport envelopes for this class of machine.

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage IIIA - Caterpillar C6.6 Acert - 6 cylinder diesel engine developing 202.5hp (151kW) @ 2200 rpm  
Tier 4i / Stage IIIB - Caterpillar C7.1 - 6 cylinder diesel engine developing 202.5hp (151kW) @ 2200 rpm

### SCREENBOX:

High capacity Cedarapids 6203, triple shaft 3 deck screen horizontal screen

Deck size: 6.1m x 1.93m (20' x 6' 4")

Hydraulic drive

Catwalk access, both sides

### HOPPER/ FEEDER:

Hopper capacity: 8m<sup>3</sup> (10.4yd<sup>3</sup>), with impact reducing cross bars

1.4m (55") wide feed belt

Variable speed control

Low level drop down rear feed point

Heavy duty, high torque hydraulically driven feed belt

### OVERSIZE PLUS CONVEYOR (FRONT/LEFT SIDE):

Chevron belt: 900mm (36")

Rigid Drive Coupling

Hydraulic folding for transport

### OVERSIZE MINUS CONVEYOR (FRONT END):

Plain belt: 1m (40")

Rigid Drive Coupling

Hydraulic folding for transport

### MIDDLEGRADE CONVEYOR (FRONT/ RIGHT SIDE):

Plain belt: 900mm (36")

Rigid Drive Coupling

Hydraulic folding for transport

### FINES CONVEYOR (REAR / RIGHT SIDE):

Plain belt: 900mm (36")

Rigid Drive Coupling

Hydraulic folding for transport

### TRANSFER CONVEYOR (UNDER SCREEN):

Plain belt: 1.4m (55")

Rigid Drive Coupling

### Powerunit

- ▶ Tier 3 / Stage IIIA: Caterpillar C 6.6 Acert  
Engine Power: 202.5hp (151kW)  
Engine Speed: 2200 rpm
- ▶ Tier 4i / Stage IIIB Caterpillar C7.1  
Engine Power: 202.5hp (151kW)  
Engine Speed: 2200 rpm

### Fines conveyor

- ▶ Belt width: 900mm (36")
- ▶ Belt spec: plain
- ▶ Working Angle: 30° max
- ▶ Rosta scraper on head drum
- ▶ Belt Speed: variable, 48 m/min max
- ▶ Fitted at rear / right side of machine
- ▶ Hydraulic folding for transport
- ▶ Ground level greasing access for all bearings
- ▶ Standard Discharge Height: 5.4m (17' 8") max
- ▶ Stockpile capacity: 235m<sup>3</sup> (307yd<sup>3</sup>) max

## Features:

- ▶ The innovative patented hydraulic folding conveyors system enables compact transport envelope width of only 3000mm (9' 10").
- ▶ The innovative oval-throw action makes the horizontal screen virtually non-plugging.
- ▶ The ability to fine tune stroke angle, amplitude and speed of the screenbox allows throughput of materials up to 800tph.



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## Hopper / Feeder

- ▶ Hopper Capacity: 8m<sup>3</sup> (10.4yd<sup>3</sup>)
- ▶ Feed height: 3m (9' 10"), 2.6m (8' 6") with rear flap lowered
- ▶ Feed in width: 2.65m (8' 8")
- ▶ Drive: Heavy duty gearbox / hydraulic drive with variable speed control
- ▶ Belt width: 1.4m (55")
- ▶ Speed: variable, 141m/min
- ▶ Material: 10mm (3/8") thick plate

## Screenbox

- ▶ High capacity Cedarapids 6203, triple shaft screen
- ▶ All 3 Screen decks: 6.1m x 1.93m (20' x 6' 4")
- ▶ Tensioning screen decks: side
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Catwalks: Galvanised access catwalk on both sides of screen
- ▶ Screen Angle: Fixed
- ▶ Screen Speed: Variable, 730 – 875 rpm
- ▶ Screen stroke Min/Max range: 14/18mm (9/16" - 11/16")
- ▶ Screen stroke standard: 14mm (9/16")
- ▶ Total screening area: 35.32m<sup>2</sup> (380ft<sup>2</sup>)

## Oversize plus conveyor

- ▶ Belt width: 900mm (36")
- ▶ Belt spec: Chevron
- ▶ Working Angle: 22° max
- ▶ Belt Speed: Variable, 141m/min max belt speed
- ▶ Fitted at front / left side of machine
- ▶ Hydraulic folding for transport
- ▶ Discharge Height: 4.8m (15' 9")
- ▶ Stockpile capacity: 165m<sup>3</sup> (215yd<sup>3</sup>) max

## Oversize minus conveyor

- ▶ Belt width: 1m (40")
- ▶ Belt spec: Plain
- ▶ Working Angle: 18° - 25°, hydraulic adjust
- ▶ Belt Speed: Variable, 141 m/min max belt speed
- ▶ Fitted at front end of machine
- ▶ Hydraulic folding for transport
- ▶ Discharge Height: 4.7m (15' 7")
- ▶ Stockpile capacity: 155m<sup>3</sup> (202yd<sup>3</sup>) max

## Mid Grade Conveyor

- ▶ Belt width: 900mm (36")
- ▶ Belt spec: Plain
- ▶ Working Angle: 22° max
- ▶ Belt Speed: Variable, 141 m/min max belt speed
- ▶ Fitted at front / right side of machine
- ▶ Hydraulic folding for transport
- ▶ Standard Discharge Height: 4.8m (15' 9")
- ▶ Stockpile capacity: 165m<sup>3</sup> (215yd<sup>3</sup>) max

## Transfer conveyor

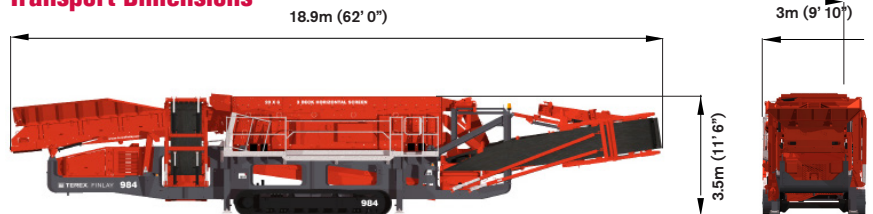
- ▶ Belt width: 1.4m (55")
- ▶ Belt spec: Plain
- ▶ Belt Speed: Variable, 48 m/min max
- ▶ Conveyor fully skirted

## Undercarriage

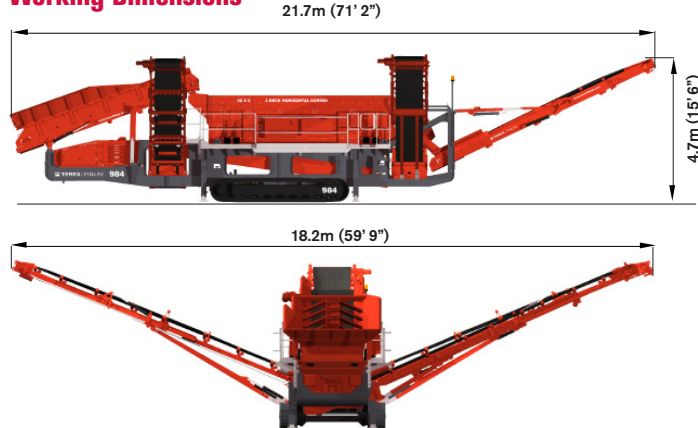
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Speed: 1kph
- ▶ Gradeability: 27.7°
- ▶ Raking Angle: 7° min



## Transport Dimensions



## Working Dimensions



Machine Weight: 43,830Kg (96,629lbs)\*  
\*Standard Machine configuration

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