



TEREX® | FINLAY

INCLINED SCREEN



684 2-Deck



WORKS FOR YOU.™

684 (2-DECK)

The Terex Finlay 684 is a compact easily transportable machine that offers operators rapid set up and tear down times. The NEW screenbox features two large 4.3m x 1.7m (14' x 5' 7") inclined screen decks giving a large screening area to provide efficient screening and high capacity. The screenbox features quick wedge tensioning on the top deck, access holes and bottom deck hydraulic tensioning system to reduce time required for mesh changes. All three discharge conveyors are adjustable and hydraulically fold for transport.

Features:

- ▶ Double deck 4.3m x 1.7m (14' x 5' 7") screen with full catwalk access.
- ▶ Maximum utilisation of the two 4.3m x 1.7m (14' x 5' 7") decks provides ultra-efficient screening capabilities even at small aggregate sizes.
- ▶ A combination of quick wedge tensioning on the top deck, convenient access holes and hydraulic tensioning on the bottom deck ensure mesh set up and change out times are kept to an absolute minimum.

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: 8m³ (10.5yd³) - 4.25m (14ft) 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")

4.3m x 1.7m (14' x 5' 7") top, middle and bottom deck screenbox

Quick wedge tensioning - top deck

Hydraulic tensioning (bottom deck screen mesh)

Galvanised access catwalks to both sides and around top of screen

Wear resistant screenbox reject chute (1nr)

Belt width: 1m (40") main belt

Skirting on main conveyor

Anti-rollback plates (3nr)

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

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

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 (6)

Safety guards in compliance with machinery directive

Overdose & 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 - 103mpm (338' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.76m (15' 7")
- ▶ Stockpile capacity: 194m³ (254yd³)

Hopper / Feeder

- ▶ Hopper Capacity: 8m³ (10.5yd³)
- ▶ 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 gearbox
- ▶ 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

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



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
- ▶ 3nr Anti-rollback Plates
- ▶ Conveyor can be raised while in transport mode to assist in mesh changing

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, 120 mpm (400' per min)
- ▶ Standard Discharge Height: 4.15m (13' 7")
- ▶ Stockpile capacity: 106.3m³ (139yd³) @ 25°25°



Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.24m (10' 7")
- ▶ Speed: 0.8 km/h
- ▶ Gradeability: 25.5°
- ▶ Raking Angle: 8°

Screenbox

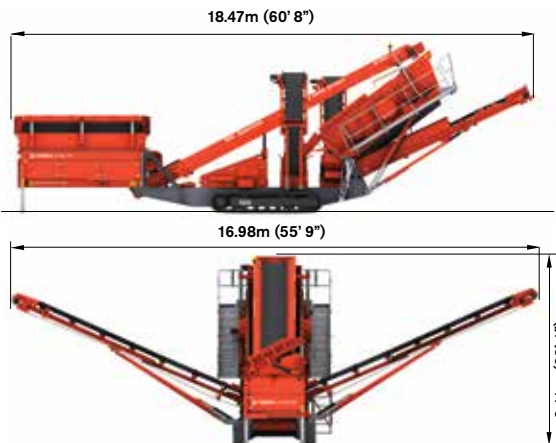
- ▶ Both decks: 4.3m x 1.7m (14' x 5' 7")
- ▶ Wedge Tensioning top deck: side
- ▶ Hydraulic Tensioning (bottom deck screen mesh at end)
- ▶ Drive: Hydraulic heavy duty 2-Bearing
- ▶ Screen Angle: 18° - 37°, hydraulic adjust
- ▶ Screen Speed: 1030 rpm
- ▶ Screen stroke standard: 6mm (1/4")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Galvanised access catwalk at both sides and top end of screen
- ▶ Total screening area: 14.6m² (156ft²)



Transport Dimensions



Working Dimensions



Machine Weight: 28,750kg (63,380lbs)

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