



TEREX® | FINLAY

INCLINED SCREEN



684 3-Deck



WORKS FOR YOU.™

684 (3-DECK)

The Terex Finlay 684 is a compact easily transportable machine that offers operators rapid set up and tear down times. The screenbox features three large 4.3m x 1.7m (14' x 5' 7") inclined screens giving a large screening area of 236ft² to provide efficient screening and high capacity. The screenbox features quick wedge tensioning, access holes and bottom deck hydraulic tensioning system to reduce time required for mesh changes. All four discharge conveyors are adjustable and hydraulically fold for transport. The fourth product 'oversize plus' conveyor has variable tilt and side slew to accurately discharge material for recirculation and stockpiling.

Features:

- ▶ Triple deck 4.3m x 1.7m (14' x 5' 7") screen with full catwalk access.
- ▶ The fourth (oversize plus) conveyor provides variable tilt and slide slew capability to accurately discharge materials for recirculation to crushers or for stockpiling.
- ▶ Maximum utilisation of three 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, 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") wide 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 and middle deck

Hydraulic tensioning (bottom deck screen mesh)

Galvanised access catwalks to both sides and around top of screen

Screenbox reject Chutes (2 nr - Top Deck Wear resistant)

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: 500mm (20") chevron belt on oversize plus product conveyor

Belt width: 500mm (20") plain belt on transfer conveyor

Belt width: 1.2m (48") 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)

Main conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1m (40")
- ▶ Belt spec: Plain 3 ply belt, EP400
- ▶ Hydraulic adjust
- ▶ 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

Screenbox

- ▶ All decks: 4.3m x 1.7m (14' x 5' 7")
- ▶ Wedge side tensioned Top and Middle Deck mesh
- ▶ Hydraulic end tensioned bottom deck mesh
- ▶ Drive: Hydraulic heavy duty 2-Bearing
- ▶ Screen Angle: 18° - 37°, hydraulic adjust
- ▶ Screen Speed: 1040 rpm
- ▶ Screen stroke standard: 6mm (1/2")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Galvanised access catwalk at both sides and top end of screen
- ▶ Total screening area: 21.9m² (235ft²)

Oversize plus conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Chevron, EP 315, 3 ply
- ▶ Working Angle: Variable 22° (Max)
- ▶ Speed: variable speed, 120 mpm (400' per min)
- ▶ Discharge Height: Variable 5.2m (17' 1") (max)
- ▶ Operating angle variable between 0° and 70°
- ▶ Stockpile capacity: 185.9m³ (243.2yd³) @ 40°

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, EP500
- ▶ Speed: variable, 0 - 16 mpm (0 - 53' per min)
- ▶ Wide mouth opening

Side conveyor

- ▶ 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 (0 - 338' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.71m (15' 5") Mid-grade 4.85 (15' 11") Oversize
- ▶ Stockpile capacity: 194m³ (254yd³)

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: 120 mpm (400' per min)
- ▶ Standard Discharge Height: 4.16m (13' 8")
- ▶ Stockpile capacity: 106.3m³ (139yd³) @ 40°

Undercarriage

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

Power unit

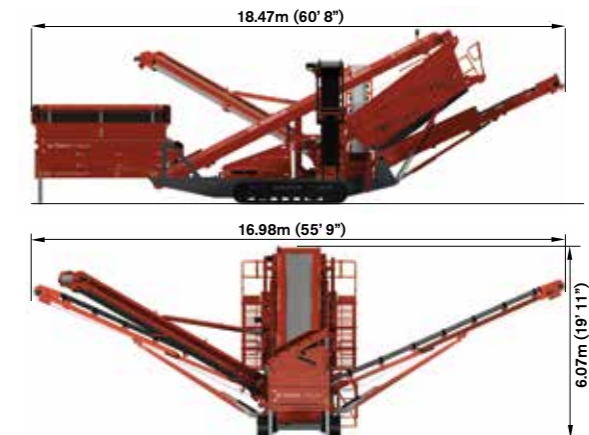
- ▶ Tier 3 / Stage IIIA: CAT (C4.4)
Engine Power: 83kW (111.3hp)
Engine Speed: 2200 rpm
- ▶ Stage IIIA Constant Speed: Perkins 1104
Engine Power: 97kW (130hp)
Engine Speed: 1800 rpm
- ▶ Tier 3 / Stage IIIA: CAT (C4.4)
Engine Power: 97kW (130hp)
Engine Speed: 2200 rpm
- ▶ Tier 4F / Stage IV: CAT C4.4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



Transport Dimensions



Working Dimensions



Machine Weight: 33,500kg (73,855lbs)

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