



INCLINED SCREEN



684 3-Deck
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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 235ft² 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

ENGINE:

Tier 3 / Stage 3A Caterpillar C4.4- 4 cylinder diesel engine developing 77kw (102hp) @ 1800rpm

Stage IIIA CAT 4.4 constant speed engine - 4 cylinder diesel engine developing 98.1kw (131hp) @1800rpm – Europe Only

Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 1800rpm

FEEDER:

Hopper Capacity: 4.25m (14ft)

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' 0" x 4")

SCREENBOX:

4.3m x 1.7m (14' x 5' 7") all 3 decks

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

MAIN CONVEYOR:

Belt Width: 1000mm (40") c/w skirting

Anti-rollback plates (2nr)

SIDE CONVEYORS:

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

OVERSIZE PLUS CONVEYOR:

Belt Width: 500mm (20") chevron belt

TRANSFER CONVEYOR:

Belt Width: 500mm (20") plain belt

FINES CONVEYOR:

Belt Width: 1.2m (48") plain belt

ELECTRICAL:

Emergency Stops

Control operation of tracks via hand-held set

T-Link Telemetry System fitted c/w 3 years data (only included with CAT 97kW Engine)

Screenbox

- ▶ Both decks: 4.3m x 1.7m (14' x 5' 7")
- ▶ Wedge Side tensioned top deck
- ▶ 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 (1/4")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Galvanised access catwalk at both sides and top end of screen
- ▶ Total screening area: 21.9m² (235ft²)

Fines conveyor

- ▶ Drive: Hydraulic 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: 4.15m (13' 7")
- ▶ Stockpile capacity: 99m³ (130yd³)

Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Speed: 0.8 km/h
- ▶ Gradeability: 25.5°
- ▶ Raking Angle: 8°



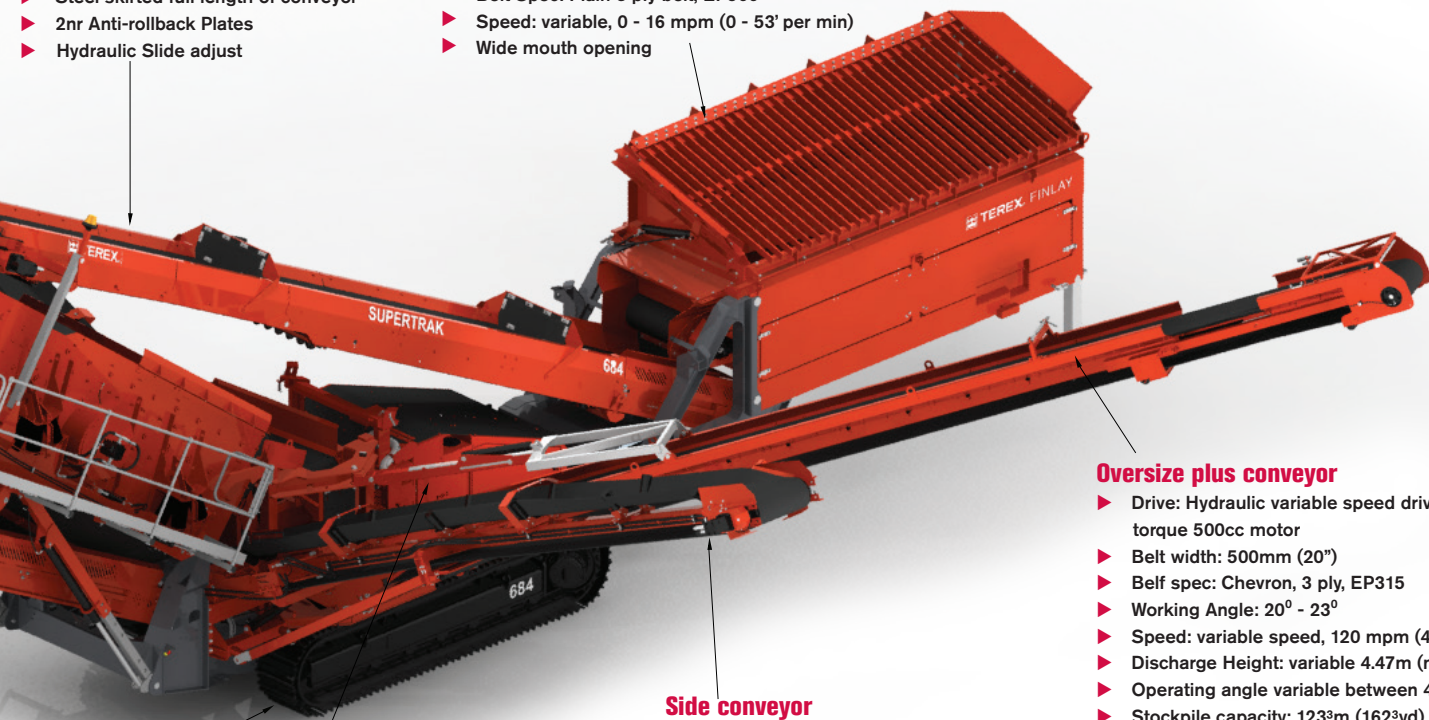
TEREX | **FINLAY**

Main conveyor

- ▶ Drive: Hydraulic drive via high torque 630cc motor
- ▶ Belt width: 1m (40")
- ▶ Belt spec: Plain 3 ply belt, EP400
- ▶ Belt Speed: 100 pm (330' per min)
- ▶ Steel skirted full length of conveyor
- ▶ 2nr Anti-rollback Plates
- ▶ Hydraulic Slide adjust

Hopper / Feeder

- ▶ Hopper Capacity: 8m³ (10.5yd³)
- ▶ Feed height: 3.51m (11' 6")
- ▶ 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



Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar 4.4 Engine Power: 77kW (102hp) Engine Speed: 1800 rpm
- ▶ Stage IIIA Constant Speed: Caterpillar 4.4 Engine Power: 98.1kW (131hp) Engine Speed: 1800 rpm
- ▶ Tier 4F / Stage IV: Caterpillar 4.4 Engine Power: 82kW (110hp) Engine Speed: 1800 rpm

Side conveyor

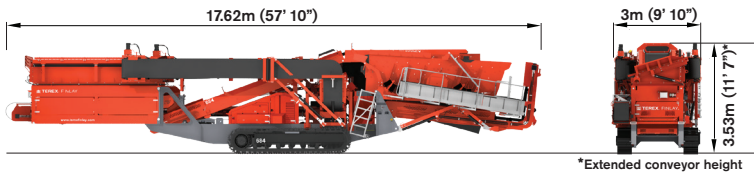
- ▶ Drive: Hydraulic variable speed drive via 400cc high torque motor
- ▶ Belt width: 650mm (26")
- ▶ Belt spec: Chevron 3 ply+1.5, EP315
- ▶ Working Angle: 24°
- ▶ Speed: Variable speed, 0-121 mpm (0-397'per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.76m (15' 7")
- ▶ Stockpile capacity: 147m³ (192yd³)

Oversize plus conveyor

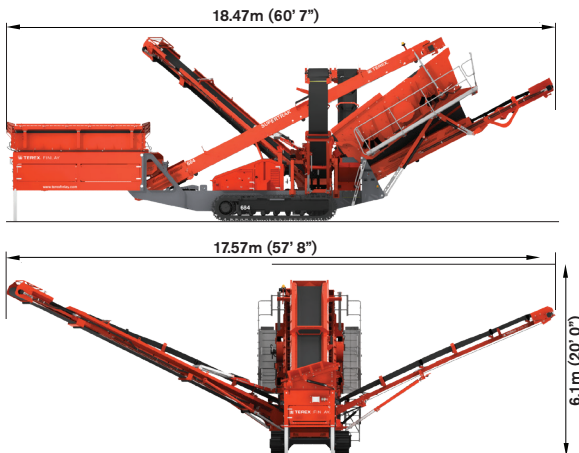
- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 500mm (20")
- ▶ Belf spec: Chevron, 3 ply, EP315
- ▶ Working Angle: 20° - 23°
- ▶ Speed: variable speed, 120 mpm (400' per min)
- ▶ Discharge Height: variable 4.47m (max)
- ▶ Operating angle variable between 40° and 60°
- ▶ Stockpile capacity: 123m³ (162yd³)



Transport Dimensions



Working Dimensions



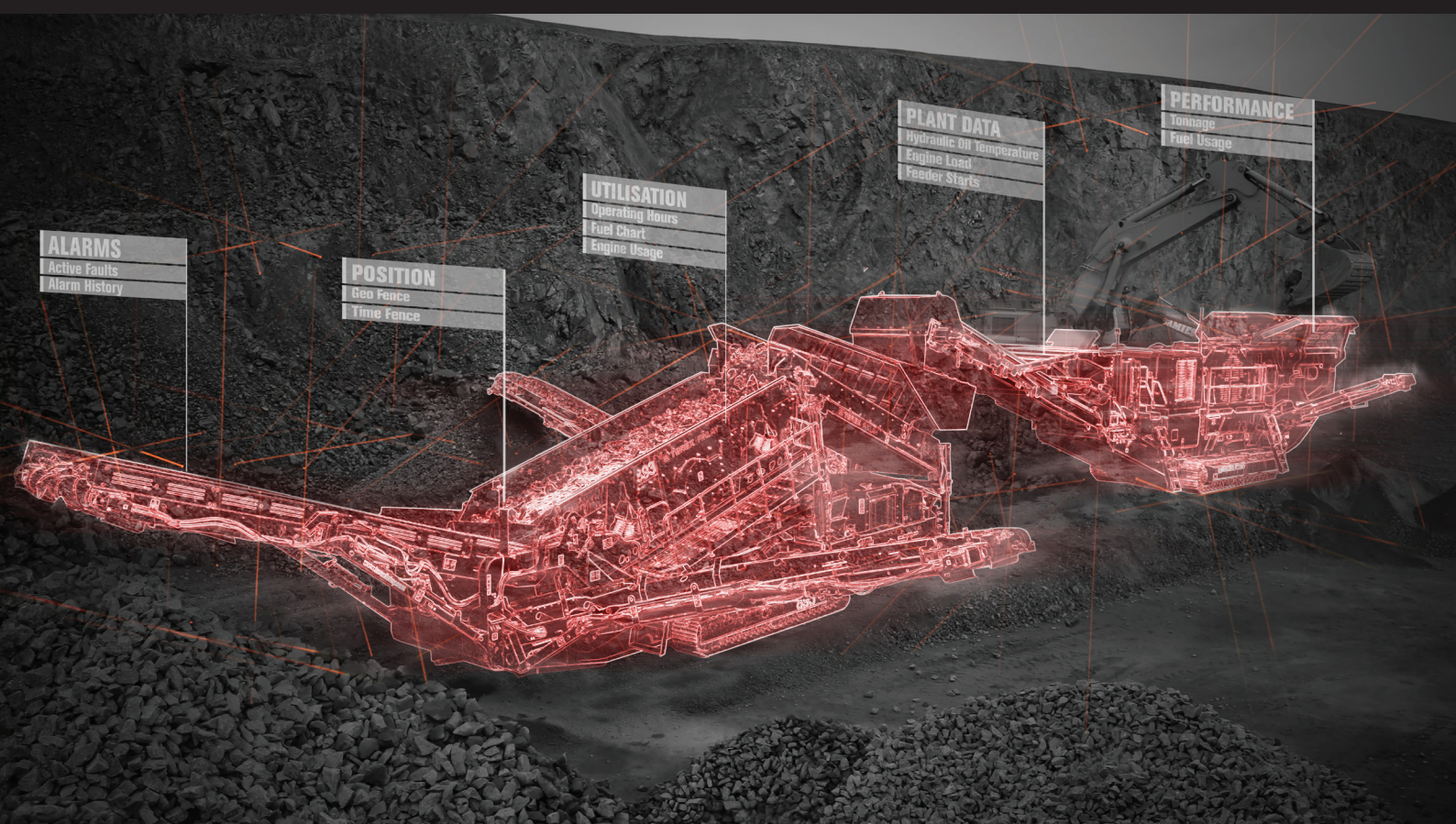
Machine Weight: 33,500kg (73,800lbs)

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T-LINK

FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

E. finlay.tlink@terex.com

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