

696 3-DECK INCLINED SCREEN



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The Terex Finlay 696 3-deck inclined screen has been engineered to provide a superior high production solution in quarrying, mining, sand and gravel, coal, woodchip and topsoil applications. The new high energy screenbox is the largest in the triple deck range and features three full size 6.1m x 1.7m (20' x 5' 7") decks to give a total screening area of 31.1m² (335ft²). The large 8m³ (10.5yd³) large hopper / feeder is fitted with variable speed belt feeder to ensure consistent flow of material and can be fitted with remote tipping grid or double deck vibrating grid. The fourth product oversized conveyor has hydraulic variable tilt and slew discharge for re-circulating to secondary crusher or stockpiling of finished material. The compact transport envelope enables the machine to be transported between jobsites with ease. Hybrid powerpack is available as an option.

STANDARD FEATURES

ENGINE:

Tier 3 / Stage 3A Caterpillar C4.4 - 4 cylinder diesel engine developing 90kW (121hp) @ 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 93kW (125hp) @ 1800rpm
 Stage V Caterpillar C4.4 - 4 cylinder diesel engine developing 98kW (131hp) @ 1800rpm

FEEDER:

Hopper Capacity: 8m³ (10.5yd³)

Hopper feed length: 4.25m (14ft)

Belt width: 1.2m (48") variable speed belt feeder

Remote control hydraulic tipping reject grid c/w grouser bars 4.25m x 100mm spacing (14' 0" x 4")

SCREENBOX:

6.1m x 1.7m (20' x 5' 7") All 3 decks

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

Quick wedge tensioning - top deck & Middle Deck

Hydraulic tensioning (bottom deck screen mesh)

MAIN CONVEYOR:

Belt Width: 1.2m (48") c/w skirting

Hydraulic raise of Main Conveyor head-section (For improved mesh access)

SIDE CONVEYORS:

Belt Width: 800mm (32") chevron on both side conveyors

FINES CONVEYOR:

Belt Width: 1.2m (48") plain belt

OVERSIZE PLUS CONVEYOR:

Belt Width: 500mm (20") chevron belt

TRANSFER CONVEYOR:

Belt Width: 650mm (26")

ELECTRICAL:

Emergency Stops

Control operation of tracks via hand-held set

T-Link Telemetry System fitted c/w 7 years data

GENERAL:

Safety guards in compliance with machinery directive

Low level central greasing

Oversize grade conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 400cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP315/3+1.5 (15mm RIB)
- ▶ Working Angle: 22°
- ▶ Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 5.1m (16' 9")

Screen box

- ▶ All decks: 6.1m x 1.7m (20' x 5' 7")
- ▶ Wedge side tensions top deck mesh
- ▶ Wedge side tensions mid deck mesh
- ▶ End tensioned bottom deck
- ▶ Hydraulic end tensioned bottom deck mesh
- ▶ Drive: hydraulic heavy duty 2-bearing
- ▶ Hydraulic Folding Catwalks
- ▶ Screen Angle: 18° - 32°, hydraulic adjust
- ▶ Abrasion resistant material impact plate
- ▶ Total screening area: 31.1m² (335ft²)

Main conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: EP400 3 Ply 3+1.5
- ▶ Hydraulic slide
- ▶ Hydraulic discharge height adjustment
- ▶ Belt Speed: 92 mpm (302' per min)
- ▶ Steel skirted full length of conveyor

Hopper / Feeder

- ▶ Hopper Capacity: 8m³ (10.5yd³)
- ▶ Feed height: 2.5m (8' 2") - no grid
- ▶ Feed in width: 4.2m (13' 9")
- ▶ Grid aperture: 100mm (4")
- ▶ Drive: variable & high torque w/g. box
- ▶ Beltfeeder belt width: 1.2m (48")
- ▶ Belt Spec: Plain, EP500/3.5+1.5
- ▶ Speed: variable, 0 - 16 mpm (0 - 53' per min)
- ▶ Wide mouth opening

Oversize Plus Conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Chevron, EP315/3 PLY 3+1.5
- ▶ Working Angle: Variable 24°
- ▶ Speed: variable speed, 120 mpm (400' per min) (Max)
- ▶ Discharge Height: Variable 5.4m (Max)
- ▶ Operating angle variable between 0° and 80°
- ▶ Stockpile capacity: 270m³ (353yd³) @ 40°

FINES CONVEYOR

- ▶ Drive: Hydraulic variable speed drive via high torque 800cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain, EP400/3PLY 3+1.5
- ▶ Working Angle: Variable 27.5° (Max)
- ▶ Rosta scraper on head drum
- ▶ Speed: 125 mpm (410' per min)
- ▶ Standard Discharge Height: 5.5m (18' 1")
- ▶ Stockpile capacity: 285m³ (373yd³)

Features:

- ▶ Intuitive and simple folding mechanism for the onboard product conveyors for ease of deployment and onsite movement.
- ▶ Hydraulic folding catwalks as standard for improved onsite efficiency and to enable rapid screenbox deployment
- ▶ The hydraulics system has been engineered to provide the optimum balance of power and efficiency.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 18° and 32°.
- ▶ T-Link telematics hardware and software along with free seven year data subscription are fitted and installed as standard.

Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 4.2m (13' 8")
- ▶ Speed: 0.8 km/h
- ▶ Gradeability: 32.6°
- ▶ Raking Angle: 9°

Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4
Engine Power: 90kW (121hp)
Engine Speed: 1800rpm
- ▶ Stage IIIA Constant Speed: Caterpillar C4.4
Engine Power: 98.1kW (131hp)
Engine Speed: 1800rpm
- ▶ Tier 4F / Stage IV: Caterpillar C4.4
Engine Power: 93kW (125hp)
Engine Speed: 1800 rpm
- ▶ Stage V : Caterpillar 4.4
Engine Power: 98kW (131hp)
Engine Speed: 1800 rpm

Middle grade conveyor

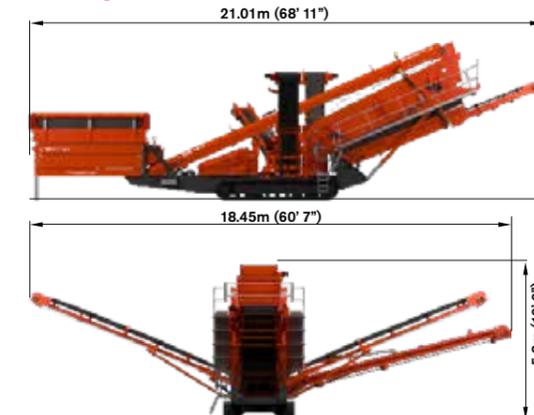
- ▶ Drive: Hydraulic variable speed drive via high torque 400cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP315/3+1.5 (15mm RIB)
- ▶ Working Angle: 22°
- ▶ Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 5.1m (16' 9")



Transport Dimensions



Working Dimensions



Machine Weight: 40,050kg (88,300lbs)*
 * With tipping grid
 43,520kg (96,000lbs)*
 * With double deck vibrating grid

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