

694

INCLINED SCREEN



Screen Size:	6100mm x 1530mm (20' x 5')	
Net Engine Power:	Tier 3/Stage IIIA:	Caterpillar C4.4 97kW (130hp)
	Tier 4F/ Stage V:	Caterpillar C4.4 102kW (137hp) Dual certified
Portability:	Tracked	
Operating Weight:	37,400kg (82,452lbs) (With tipping grid)	

Available in:  **HYBRID**
TECHNOLOGY

STRONG **HERITAGE**, STRONG **FUTURE**

 **FINLAY**[®]
A TEREX BRAND

INCLINED SCREEN

HOPPER/FEEDER

Hopper Capacity: 6.9m³ (9yd³)
 Feed height: 2.65m (8' 8") - no grid
 Feed in width: 4.1m (13' 6")
 Grid aperture: 100mm (4")
 Drive: variable & high torque w/g. box
 Beltfeeder belt width: 1200mm (48")
 Speed: variable, 0 - 16 mpm (0 - 53' per min)
 Wide mouth opening



Hopper/Feeder

MAIN CONVEYOR

Drive: Hydraulic drive via high torque motor
 Belt width: 1050mm (42")
 Hydraulic discharge height adjustment
 Belt Speed: 92 mpm (302' per min)
 Steel skirted full length of conveyor



Main Conveyor

SCREEN BOX

6.1m x 1.53m (20' x 5') top and middle deck
 5.55m x 1.53m (18'x5') bottom deck
 Wedge side tensions top and middle deck mesh
 Manual end tensioned bottom deck
 Drive: hydraulic heavy duty 2-bearing
 Manual Folding Catwalks
 Screen Angle: 20° - 30°, hydraulic adjust
 Screen stroke standard: 7mm (9/32")
 Screen speed: 1050 rpm
 Abrasion resistant material impact plate
 Spreader plate
 Galvanised access catwalks on both sides and top end of screen
 Total screening area: 27m² (290ft²)



Screenbox

SIDE CONVEYORS

Drive: Hydraulic variable speed drive via high torque motor
 Belt width: 800mm (32")
 Belt spec: Chevron
 Working Angle: 24°
 Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
 Hydraulic Folding
 Discharge Height: 4.97m (16'4")
 Stockpile capacity: 183m³ (239yd³)



Conveyors - Middle Grade & Oversize Plus



T-LINK TELEMATICS

T-Link telematics hardware and software along with free seven year data subscription are fitted and installed as standard.



Conveyor - Oversize Minus

FINES CONVEYOR

Drive: Hydraulic variable speed drive via high torque motor
 Belt width: 1200mm (48")
 Belt spec: Plain
 Working Angle: Variable 28° (Max)
 Rosta scraper on head drum
 Speed: 125 mpm (410' per min)
 Standard Discharge Height: 4.41m (14' 6")
 Stockpile capacity: 127.5m³ (167yd³)
 Can be set down for mesh change



Fines Conveyor

OVERSIZE PLUS CONVEYOR

Drive: Hydraulic variable speed drive via high torque motor
 Belt width: 650mm (26")
 Belt spec: Chevron
 Working Angle: Fixed 25°
 Speed: variable speed, 120 mpm (400' per min) (Max)
 Discharge Height: Variable 4.53m (14' 10")
 Operating angle to chassis fixed 55°
 Stockpile capacity: 138m³ (180yd³) @ 40°



Undercarriage

EXTENDED OVERSIZE PLUS CONVEYOR (OPTIONAL) INCLUDES TRANSFER CONVEYOR

Drive: Hydraulic variable speed drive via high torque motor
 Belt width: 500mm (20")
 Belt spec: Chevron
 Working Angle (slew): 0° - 70°
 Working Angle (rake): 8° - 24°
 Speed: variable speed, 120 mpm (400' per min) (Max)
 Discharge Height: Variable 6.05m (19' 10")
 Stockpile capacity: 330m³ (430yd³) @ 40°

TRANSFER CONVEYOR (OPTIONAL)

Drive: Hydraulic variable speed drive via high torque motor
 Belt width: 650mm (26")
 Belt spec: Plain
 Belt Speed: variable speed max 70 mpm (223' per min)

POWERUNIT

Tier 3 / Stage IIIA: Caterpillar 4.4
 Engine Power: 97kW (130hp)
 Engine Speed: 1800rpm

Tier 4 Final/ Stage IV: Caterpillar C4.4 Dual Certified
 Engine Power: 102kW (137hp)
 Engine Speed: 1800 RPM

TANK CAPACITIES

Hydraulic Tank: 450 litres / 99 UK gal / 119 US gal
 Fuel Tank: 336 litres / 74 UK gal / 88 US gal

OPTIONAL EQUIPMENT:

Hybrid – 2 x 37kW IE3 electric motors c/w hydraulic gear pumps and electrical control panel allowing machine to run in either Diesel or Electric mode **
 ***STD voltage supply: 380V - 440v @ 50Hz.(Contact the factory for availability, leadtime and if any local requirements are different from standard offering"

No grid but hopper deadplate fitted

Adjustable hopper door

Hopper wear plates

Fuel Save: Sets engine to idle when under no load/empty

100mm Double deck vibrating grid c/w abbrasion resistant plate on wear surface of T Bars top deck and mesh in bottom deck (includes Hopper inlet chute from crusher) NOTE: Not available with Hybrid option

Top deck mesh

Middle Deck Mesh

Bottom deck mesh/ speedharp

Anti-rollback plates (3Nr)

Wear resistant steel lined spreader plate

Hydraulic tensioning for bottom deck

Aluminium Rapid-Fit dust covers on main and fines belt

Dust suppression system on fines belt. Doesn't include waterpump

Radio Remote control of tracks

Working lights on powerunit & main conveyor

68 grade hydraulic oil

Option for 1nr dedicated Stockpiler Drive - Approx 60 Litres/ min - Diesel only

Automatic lubrication system

Chassis fitted with 4 jacklegs, not available with Hybrid option

Hydraulic end tensioned bottom deck mesh

OVERSIZE MINUS CONVEYOR

- Belt width: 800mm (32")
- Working Angle: 24°
- Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
- Discharge Height: 4.97m (16'4")
- Stockpile capacity: 183m³ (239yd³)

MAIN CONVEYOR

- Belt width: 1050mm (42")
- Belt Speed: 92 mpm (302' per min)

HOPPER / FEEDER

- Hopper Capacity: 6.9m³ (9yd³)
- Feed height: 2.65m (8' 8") - no grid
- Feed in width: 4.1m (13' 6")
- Grid aperture: 100mm (4")
- Beltfeeder belt width: 1.2m (48")
- Speed: variable, 0 - 16 mpm (0 - 53' per min)

OVERSIZE PLUS CONVEYOR

- Belt width: 650mm (26")
- Working Angle: Fixed 25°
- Speed: variable speed, 120 mpm (400' per min) (Max)
- Discharge Height: Variable 4.53m (14' 10")
- Operating angle to chassis fixed 55°
- Stockpile capacity: 138m³ (180yd³) @ 40°

MIDDLE GRADE CONVEYOR

- Belt width: 800mm (32")
- Working Angle: 24°
- Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
- Discharge Height: 4.97m (16'4")
- Stockpile capacity: 183m³ (239yd³)

SCREENBOX

- 6.1m x 1.53m (20' x 5') top and middle deck
- 5.55m x 1.53m (18'x5') bottom deck
- Screen Angle: 20° - 30°, hydraulic adjust
- Screen stroke standard: 7mm (9/32")
- Screen speed: 1050 rpm
- Total screening area: 27m² (290ft²)

FINES CONVEYOR

- Belt width: 1200mm (48")
- Working Angle: Variable 28° (Max)
- Speed: 125 mpm (410' per min)
- Standard Discharge Height: 4.41m (14' 6")
- Stockpile capacity: 127.5m³ (167yd³)

POWERUNIT

- Tier 3 / Stage IIIA: Caterpillar 4.4
Engine Power: 97kW (130hp)
Engine Speed: 1800rpm
- Tier 4 Final/ Stage IV: Caterpillar C4.4 Dual Certified
Engine Power: 102kW (137hp)
Engine Speed: 1800 RPM

UNDERCARRIAGE

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



The **Finlay 694** offers an optional integrated high-volume rinsers screenbox, a feature that fundamentally expands the machine's versatility. This system allows the machine to be quickly adapted from dry screening to a full wet screening and washing operation. Engineered for class-leading rinsing, the rinsers screenbox provides a thorough and efficient wash with optimal water usage.

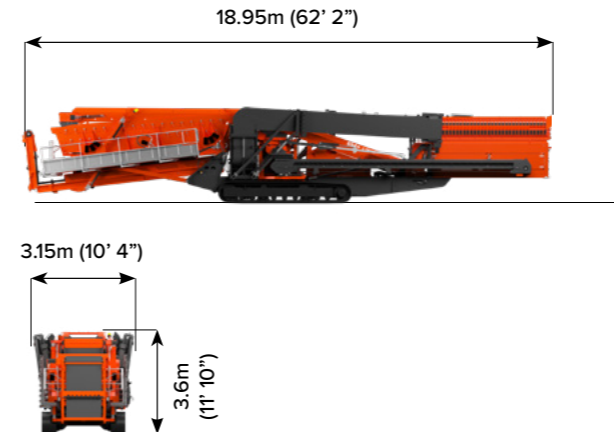
With a comprehensive array of independently controlled spray bars and nozzles, the system ensures full spray coverage across all decks, enabling the 694 to produce exceptionally clean and high-quality final products. This robust, optional system is a testament to Finlay's commitment to delivering enhanced performance for a diverse range of applications.



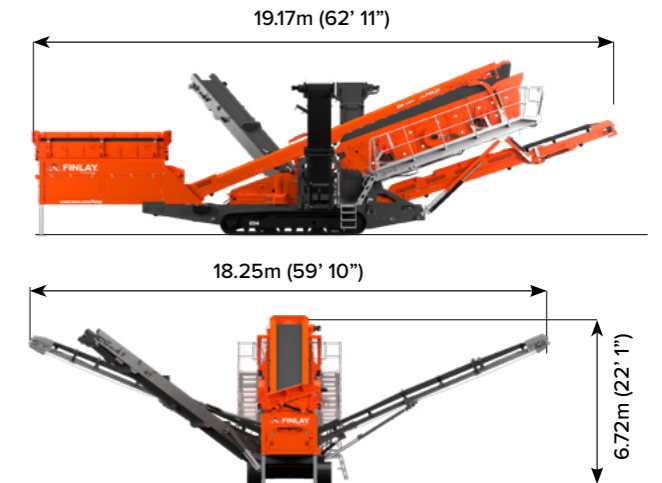
FEATURES:

- Integrated high volume rinsers screenbox complete with 8 top deck, 9 middle deck and 7 bottom deck spray bars all with nozzles (Top deck spray bars mounted to underside of main conveyor). Steel lined wash box.
- Independently controlled spray bars for class leading rinsing.
- All decks have brass nozzles and are designed to give full spray coverage.
- Multi nozzle water injection with flow control.
- Breaker Box and steel wear plate at feed point.
- Rinsers box - Sealed pipe c/w bonded rubber lining, 2 x 3m diameter 250mm (10").
- Fines conveyor fitted and collection catch box transported with machine.

TRANSPORT DIMENSIONS



WORKING DIMENSION



MACHINE WEIGHT: 37,400kg (82,452lbs)*
(With tipping grid)