



TEREX | **FINLAY**

694+
DUAL POWER

694+ Dual Power Supertrak



DUAL POWER

SPECIFICATION:

Screen Size:	6100mm x 1530mm (20' x 5') Top, Middle & Bottom deck screenbox		
Net Engine Power:	Tier 3 / Stage IIIA:	Caterpillar C4.4 130hp (97kW)	
	Tier 4i / Stage IIIB:	Caterpillar C4.4 131hp (98kW)	
Portability:		Tracked	
Operating Weight:		40,000kg* (88,184 lbs*)	

**With tipping grid*

WORKS FOR YOU.™

SPECIFICATION

HOPPER / FEEDER

Hopper Capacity: 8m³ (10.5yd³)

Feed height: 3.67m (12')

Feed in width: 4.77m (15' 8") (grid wing plates)

Grid aperture: 100mm (4"), 150mm (6")

10mm replaceable steel hopper liners

Drive: Hydraulic variable speed drive via high torque gearbox

Beltfeeder belt width: 1.2m (48")

Belt Spec: Plain EP 630, 4 ply, 6 + 2mm covers.

Speed: variable, 0-16 mpm (0- 53' per min)

Wide mouth opening

MAIN CONVEYOR

Drive: Hydraulic variable speed drive via high torque 630cc motor

Belt width: 1.2m (48")

Belt spec: Plain 3 ply belt, EP400

Hydraulic adjust

Belt Speed: 92 mpm (302' per min)

Steel skirted full length of conveyor

SCREEN BOX

All decks: 6.1m x 1.53m (20' x 5')

Wedge side tensioned top and middle deck mesh

Hydraulic end tensioned bottom deck mesh

Drive: Hydraulic heavy duty 2-Bearing

Screen Angle: 18° - 30°, hydraulic adjust

Screen stroke standard: 7.5mm (5/16")

Screenspeed: 1000 rpm

Abrasion resistant material impact plate

Spreader plate

Galvanised access catwalks on both sides and top end of screen

Total screening area: 27.8m² (300ft²)

SIDE CONVEYORS

Drive: Hydraulic variable speed drive via high torque 500cc motor

Belt width: 800mm (32")

Belt spec: Chevron EP400, 3 ply

Working Angle: 24°

Speed: Variable speed, 0 - 125 mpm (410' per min)

Hydraulic Folding

Discharge Height: 4.71m (15' 5")

Stockpile capacity: 193m³ (252yd³)



Hopper



Vibrating Grid



Conveyor - Middle Grade



Conveyor - Oversize Plus



Conveyor - Oversize Minus

FINES CONVEYOR

Drive: Hydraulic variable speed drive via high torque 800cc motor

Belt width: 1.2m (48")

Belt spec: Plain, 3 ply, EP400

Working Angle: Variable 25° (Max)

Rosta scraper on head drum

Speed: Not variable speed, 92mpm (302' per min)

Standard Discharge Height: 5.2m (17' 1")

Stockpile capacity: 260m³ (340yd³)

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 4.8m (Max)

Operating angle variable between 0° and 70°

Stockpile capacity: 164.5m³ (215.2yd³) @40°

TRANSFER CONVEYOR

Drive: Hydraulic variable speed drive via high torque 315cc motor

Belt width: 500mm (20")

Belt spec: Plain, EP 500, 3 ply

Belt Speed: 125 mpm (410' per min)

POWERUNIT AND HYDRAULICS

Tier 3 / Stage IIIA: Caterpillar (C4.4)

Engine Power: 130hp (97kW)

Engine Speed: 2200 rpm

Tier 4i / Stage IIIB: Caterpillar (C4.4)

Engine Power: 131hp (98kW)

Engine Speed: 2200 rpm

Diesel Pump 1: Triple 33cc/33cc/26cc

The first section drives either the (left) track or the main conveyor and transfer conveyor.

The second section drives either the (right) track or split to drive the middle grade & "oversize minus" conveyor.

The third section drives the belt feeder and oversize plus conveyor

Diesel Pump 2: Tandem 46cc/27cc

The first section drives the Fines conveyor and screen.

The second section operates the vibrating or tipping grid.

ELECTRICAL SPECIFICATION

2 x 37 kW Motors (Driving Hydraulic Pump)

Electric Pump 1: Triple 51cc/36cc/36cc

The first section drives main conveyor and transfer conveyor

The second section drive the vibrating or tipping grid

The third section drives the belt feeder and oversize plus conveyor

Electric Pump 2: Triple 51cc/36cc/36cc

The first section is split to drive either the middle grade or the oversize minus conveyor

The second & third section are Joined to power the Fines conveyor and Screen



Fines Conveyor



Hydraulic Folding Oversize Plus Conveyor



User Friendly Interface

TANK CAPACITIES

Hydraulic Tank: 450 litres / 99 UK gal / 119 US gal

Fuel Tank: 336 litres / 74 UK gal / 88 US gal)

UNDERCARRIAGE

Shoe Width: 500mm (20")

Sprocket Centres: 4.2m (13' 9")

Speed: 0.8 km/h

Gradeability: 32.6°

Raking Angle: 9°

STANDARD FEATURES

Tier 3 / Stage IIIA Caterpillar C4.4 ATAAC - 4 cylinder diesel engine developing 130hp (97kW) @ 2200 rpm
Tier 4i / Stage IIIB - Caterpillar C4.4 - 4 cylinder diesel engine developing 131hp (98kW) @ 2200 rpm

1.2m (48") wide variable speed belt feeder

Hopper capacity: 8.0 m³ (10.5 yd³) - 4.25m (14') wide. Complete with 10mm replaceable steel liners

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

6.1m x 1.52m (20' x 5') top, middle and bottom deck screenbox

Hydraulic tensioning (bottom deck screen mesh)

Quick wedge tensioning - top deck and middle deck

Galvanised access catwalks to both sides and around top of screen

1.2m (48") wide belt on main conveyor & 1.2m (48") wide fines belt

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

500mm (20") wide plain belt on transfer conveyor

800mm (32") wide chevron belt on oversize minus and middle grade side conveyors

Skirting on main conveyor

Heavy duty undercarriage unit with 500mm wide tracks

Control operation of tracks via hand-held set with 5m connection lead with heavy duty square connector

Safety guards in compliance to Machinery Directive

Low level central greasing & emergency stops (4)

OPTIONAL EQUIPMENT

No grid but with hopper deadplate fitted

Double deck vibrating grid c/w abrasion resistant plate on wear surface of T Bars top dk and mesh in bottom deck (includes hopper inlet chute as standard)

Remote control hydraulic tipping reject grid c/w grouser bars 3.65m x 100mm spacing (12' x 4") and hopper inlet chute

Top deck mesh

Middle deck mesh

Bottom deck mesh/ speedharp

Aluminium Rapid-Fit dust covers on main and fines belt

Dust suppression system on fines belt

Oversize Plus conveyor c/w 2.2m extension for recirc

Radio Remote control of tracks

1nr Standard stockpiler drive - Approx 30 litres/min (only available when no vibrating grid fitted)

OR Quad Pump option for 1nr dedicated Stockpiler Drive - Approx 70 Litres/min

Working lights on powerunit and main conveyor

68 grade hydraulic oil

Special paint colour (if different from Terex MPE White RAL 1013 or Finlay Orange RAL 2002). RAL must be specified on order

2 x37kW IE2 electric motors c/w hydraulic gear pumps and electrical control panel allowing machine to run in either Diesel or Electric mode



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Oversize Plus Coneyor

- ▶ 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 4.8m (Max)
- ▶ Stockpile capacity: 164.5m³ (215.2yd³) @ 40°

Electrical Specification

- ▶ 2 x 37 kW Motors (Driving Hydraulic Pump)
- ▶ Engine Speed: 1500 rpm

Screen box

- ▶ All decks: 6.1m x 1.53m (20' x 5')
- ▶ Wedge side tensioned Top and Middle Deck mesh
- ▶ Hydraulic end tensioned Bottom deck mesh
- ▶ Drive: Hydraulic heavy duty 2-Bearing
- ▶ Screen Angle: 18° - 30°, hydraulic adjust
- ▶ Screen speed: 1000 rpm
- ▶ Screen stroke standard: 7mm (45/64")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Galvanised access catwalks on both sides and top end of screen
- ▶ Total screening area: 278m² (300ft²)

Main conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain 3 ply belt, EP400
- ▶ Hydraulic adjust
- ▶ Belt Speed: 92 mpm (302' per min)
- ▶ Steel skirted full length of conveyor

Fines conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 800cc 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, 92 mpm (302' per min)
- ▶ Standard Discharge Height: 5.2m (17' 1")
- ▶ Stockpile capacity: 260m³ (340yd³)

Hopper / Feeder

- ▶ Hopper Capacity: 8m³ (10.5yd³)
- ▶ Feed height: 3.67m (12')
- ▶ Feed in width: 4.77m (15' 8") (grid wing plates)
- ▶ Grid aperture: 100mm (4"), 150mm (6")
- ▶ 10mm replaceable steel hopper liners
- ▶ Drive: Hydraulic variable speed drive via high torque gearbox
- ▶ Beltfeeder belt width: 1.2m (48")
- ▶ Belt Spec: Plain EP 630, 4 ply, 6 + 2mm covers.
- ▶ Speed: variable, 0-16 mpm (0- 53' per min)
- ▶ Wide mouth opening

Oversize / Middle grade conveyors

- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP400, 3 ply
- ▶ Working Angle: 24°
- ▶ Speed: variable speed, 0 - 125 mpm (410' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.71m (15' 5")
- ▶ Stockpile capacity: 193m³ (252yd³)

Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar (C4.4)
Engine Power: 130hp (97kW)
Engine Speed: 2200 rpm
- ▶ Tier 4i / Stage IIIB: Caterpillar (C4.4)
Engine Power: 131hp (98kW)
Engine Speed: 2200 rpm

Undercarriage

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

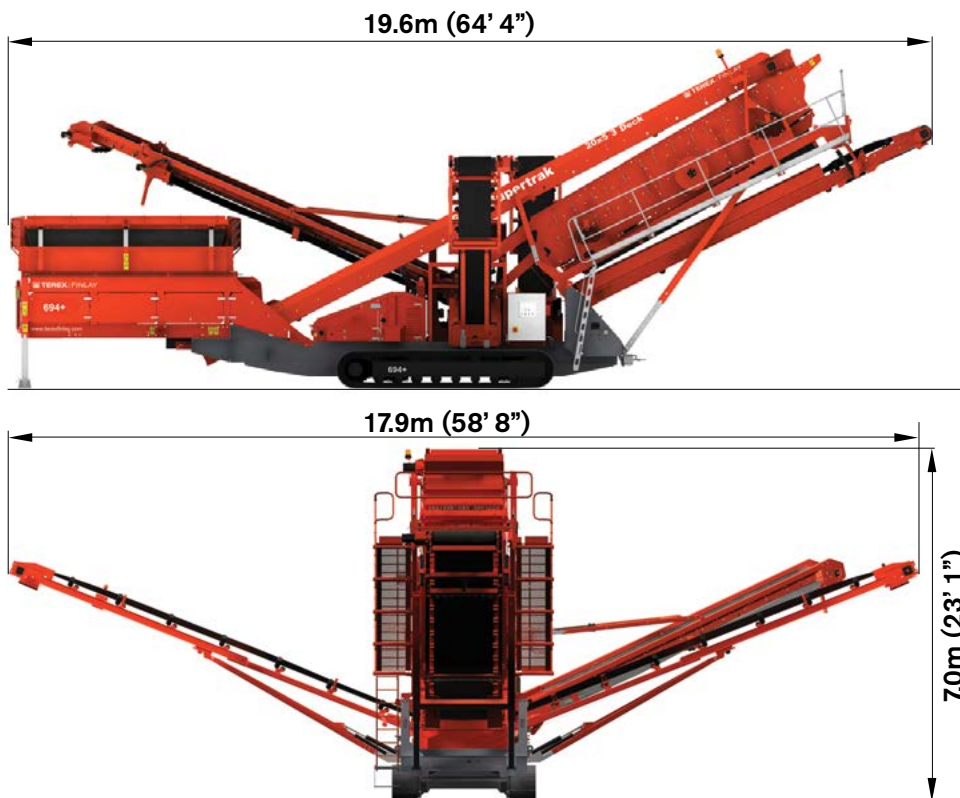
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Transport Dimensions



Working Dimensions



MACHINE WEIGHT: 40,000kg (88,184lbs)