



# TEREX® | FINLAY



## 694+

# DUAL POWER

## 694+

## SUPERTRAK

### SPECIFICATION

Screen Size:	6100mm x 1530mm (20' x 5') Top, Middle & Bottom deck screenbox		
Net Engine Power:	Tier 3 / Stage IIIA:	Caterpillar C4.4 97kW (130hp)	
	Stage IIIA Constant Speed:	Caterpillar C4.4 98.1kW (131hp)	
	Tier 4F / Stage IV:	Caterpillar C4.4 98kW (131hp)	
Portability:	2 x 37kW IE3 Electric Motors		Tracked
Operating Weight:	40,000kg (88,184 lbs)*		

*\*With tipping grid*

# SPECIFICATION

## HOPPER / FEEDER

Hopper Capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>)

Feed height: 3.67m (12')

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

Grid aperture: 100mm (4")

10mm replaceable steel hopper liners

Drive: Hydraulic variable speed drive via high torque gearbox

Beltfeeder belt width: 1.2m (48")

Belt Spec: Plain EP 500, 3 ply, 5 + 1.5mm covers

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

Wide mouth opening

## MAIN CONVEYOR

Drive: Hydraulic 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

Tensioning bottom deck: end

Hydraulic end tensioned bottom deck mesh

Drive: Hydraulic heavy duty 2-Bearing

Screen Angle: 18° - 30°, hydraulic adjust

Screen stroke standard: 6mm (1/4")

Screenspeed: 1000 rpm

Abrasion resistant material impact plate

Spreader plate

Galvanised access catwalks on both sides and top end of screen

Total screening area: 27.8m<sup>2</sup> (300ft<sup>2</sup>)

## 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 (0-410' per min)

Hydraulic Folding

Discharge Height: 4.71m (15' 5")

Stockpile capacity: 145m<sup>3</sup> (190yd<sup>3</sup>) 155.7m<sup>3</sup>



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, 92 mpm (302' per min)

Standard Discharge Height: 4.86m (15' 11")

Stockpile capacity: 159m<sup>3</sup> (208yd<sup>3</sup>)

**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: 152m<sup>3</sup> (198yd<sup>3</sup>) @ 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: 97kW (130hp)

Engine Speed: 2200 rpm

Stage IIIA Constant Speed: Caterpillar C4.4

Engine Power: 98.1kW (131hp)

Engine Speed: 1800 rpm

Tier 4F / Stage IV: Caterpillar C4.4

Engine Power: 98kW (131hp)

Engine Speed: 2200 rpm

Pump 1: Triple 33cc/rev, 33cc/rev, 26cc/rev

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

The second section drives either the (left) track or the main conveyor & Transfer Conveyor

The third section drives belt feeder and oversize plus conveyor

Pump 2: Tandem 46cc/27cc

The first section drives the fines conveyor and screen

The second section operates the vibrating or tipping grid

Pump 1: Triple 61cc/rev, 41cc/rev, 41cc/rev (Constant Speed)

The first section drives the fines conveyor and screen

The Second section drives either the (left) track or the belt feeder and oversize plus conveyor

The third section drives either the (right) track or operates the vibrating or tipping grid

Pump 2: Tandem 33cc/33cc

The first section drives the the main conveyor & Transfer Conveyor

The second section operates the middle grade & "oversize minus" conveyor



Fines Conveyor



Hydraulic Folding Oversize Plus Conveyor



User Friendly Interface

**WORKS FOR YOU.™**

## ELECTRICAL SPECIFICATION

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

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

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage 3A Caterpillar C4.4 - 4 cylinder diesel engine developing 97kW (130hp) @ 2200rpm

Stage 3A CAT 4.4 constant speed engine - 4 cylinder diesel engine developing 98kW (131.1hp) @ 1800rpm - Europe Only

### FEEDER:

Hopper Capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>)

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 1.53m (20' x 5') All 3 Decks

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

Quick wedge tensioning - top and middle deck

Hydraulic tensioning (bottom deck screen mesh)

### MAIN CONVEYOR:

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

### SIDE CONVEYORS:

Belt Width: 800mm (32") 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

## 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°

## GENERAL:

Safety guards in compliance with machinery directive

Low level central greasing

## OPTIONAL EQUIPMENT

Dual Power - 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

Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 98kW (131hp) @ 2200rpm

No grid but hopper deadplate fitted

100mm Double deck vibrating grid c/w abrasion resistant plate on wear surface of T Bars top deck and mesh in bottom deck (includes Hopper inlet chute from crusher ) NOTE Must also have extended oversize+ conveyor with this option

Remote control hydraulic tipping reject grid c/w grouser bars 3.65m x 100mm spacing (12' 0" x 4") and hopper inlet chute from crusher

Top deck mesh

Middle Deck Mesh

Bottom deck mesh/ speedharp

Screenbox Rotation Reversal control

Anti-rollback plates (3Nr)

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

Extended oversize plus conveyor for recirc - (500mm only)

650mm Oversize plus conveyor and 650mm transfer conveyor. (Note: machine transport width increases to 3150mm)

Dust Suppression:

Aluminium Rapid-Fit dust covers on main and fines belt

Dust suppression system on fines belt. Does not include waterpump

Radio Remote control of tracks

Working lights on powerunit & main conveyor

68 grade hydraulic oil

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 (only available on T4 Engine)

Special paint colour (if different from Finlay Orange RAL 2002). RAL must be specified on order

### 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)
- ▶ Stockpile capacity: 152m³ (198yd³) @ 40°

### Electrical Specification

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

### Main conveyor

- ▶ Drive: Hydraulic 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 speed: 1000 rpm
- ▶ Screen stroke standard: 6mm (1/4")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Galvanised access catwalks on both sides and top end of screen
- ▶ Total screening area: 27.8m² (300ft²)

### 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, 92 mpm (302' per min)
- ▶ Standard Discharge Height: 4.86m (15' 11")
- ▶ Stockpile capacity: 159m³ (208yd³)

### Oversize / Middle grade conveyors

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP400, 3 ply
- ▶ Working Angle: 24°
- ▶ Speed: variable speed, 0 - 125 mpm (0 - 410' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.71m (15' 5")
- ▶ Stockpile capacity: 145m³ (190yd³)

### Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4  
Engine Power: 97kW (130hp)  
Engine Speed: 2200 rpm
- ▶ Tier 3 / Stage IIIA Constant Speed: Caterpillar C4.4  
Engine Power: 98.1kW (131hp)  
Engine Speed: 1800 rpm
- ▶ Tier 4F / Stage IV: Caterpillar C4.4  
Engine Power: 98kW (131hp)  
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°

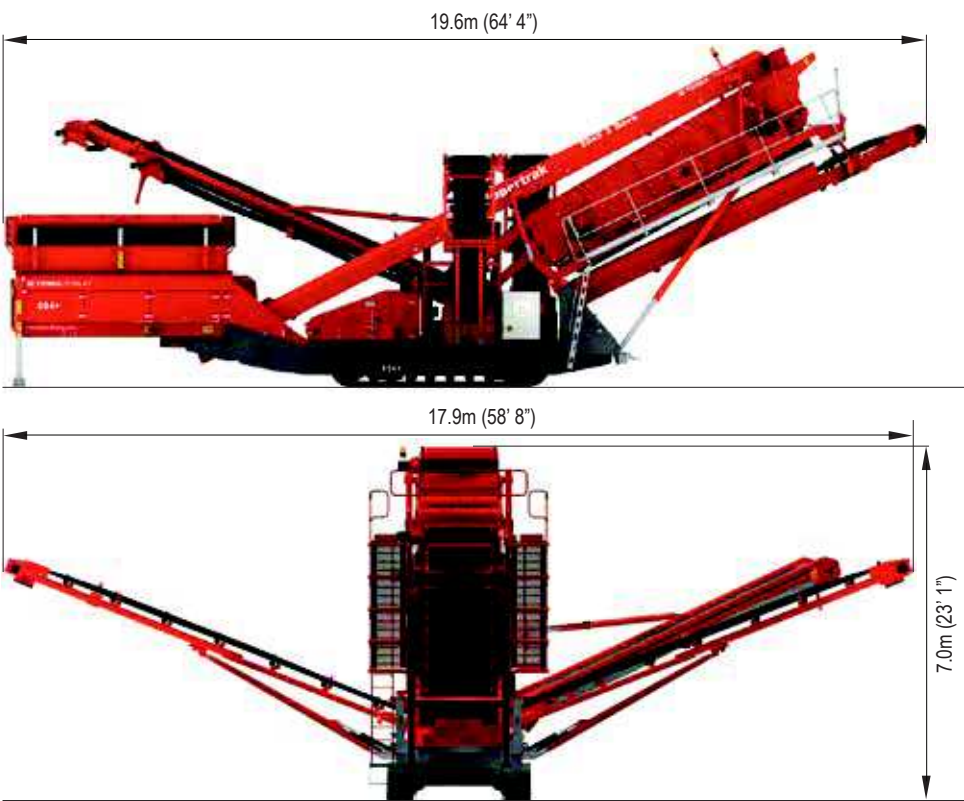
**DUAL POWER**  
**694+**



# Transport Dimensions



# Working Dimensions



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

For further information on specific machine weight configurations please consult Terex Finlay