694+ Dual Power 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 130hp (97kW)
               Tier 4i / Stage IIIB: Caterpillar C4.4 131hp (98kW)
Portability: Tracked
Operating Weight: 40,000kg* (88,184 lbs*)

*With tipping grid
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)
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, 92rpm (302’ per min)
Standard Discharge Height: 5.2m (17’ 1”)
Stockpile capacity: 250m³ (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

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 grooser 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
Oversize Plus Conveyor
- Drive: Hydraulic variable speed drive via high torque 630cc motor
- Belt width: 1.2m (48”)
- Belt spec: 3 ply, EP-400
- Working Angle: Variable 22° (Max)
- Speed: variable speed, 92 mpm (302'/min)
- Stockpile capacity: 164.5m³ (215.2yd³) @ 40°

Main conveyor
- Drive: Hydraulic variable speed drive via high torque 630cc motor
- Belt width: 1.2m (48”)
- Belt spec: 3 ply, EP-400
- Working Angle: Variable 25° (Max)
- Speed: variable speed, 92 mpm (302'/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: 3 ply, EP-400
- Working Angle: Variable 25° (Max)
- Speed: variable speed, 92 mpm (302'/min)
- Stockpile capacity: 260m³ (340yd³)

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)

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

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

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

Oversize / Middle grade conveyors
- Drive: Hydraulic variable speed drive via high torque 630cc motor
- Belt width: 1.2m (48”)
- Belt spec: 3 ply, EP-400
- Working Angle: Variable 25° (Max)
- Speed: variable speed, 0 - 125 mpm (410’ per min)
- Hydraulic Folding
- Discharge Height: 4.71m (15’ 5”)
- Stockpile capacity: 193m³ (252yd³)

Fines conveyor
- Drive: Hydraulic variable speed drive via high torque 800cc motor
- Belt width: 1.2m (48”)
- Belt spec: 3 ply, EP-400
- Working Angle: Variable 25° (Max)
- Speed: variable speed, 92 mpm (302'/min)
- Standard Discharge Height: 5.2m (17’ 1”)
- Stockpile capacity: 260m³ (340yd³)
Transport Dimensions

Working Dimensions

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