



TEREX | FINLAY



984

984 HORIZONTAL SCREENER

SPECIFICATION:

Screenbox:

Net Engine Power: Tier 3 Equivalent:
Tier 4F / Stage IV:

Portability:

Operating Weight:

6100mm x 1930mm (20' x 6' 4")

Caterpillar C7.1 151kW (202hp)

Caterpillar C7.1 151kW (202.5hp)

Tracked

43,100kg (95,019lbs)



SPECIFICATION

HOPPER / FEEDER

Hopper Capacity: 8m³ (10.4yd³)

Feed height: 3m (9' 10"), 2.6m (8' 6") with rear flap lowered

Feed in width: 2.65m (8' 8")

Drive: Heavy duty gearbox / hydraulic drive with variable speed control

Belt width: 1.4m (55")

Speed: 33 m/min

Material: 10mm (3/8") thick plate

SCREEN BOX

High capacity Cedarapids 6203, triple shaft screen

All 3 Screen decks: 6.1m x 1.93m (20' x 6' 4")

Tensioning screen decks: side

Drive: hydraulic with heavy duty bearing

Catwalks: Galvanised access catwalk on both sides of screen

Screen Angle: Fixed Horizontal

Screen Speed: Variable, 730 – 875 rpm

Screen stroke Min/Max range: 14/18mm (9/16" - 11/16")

Screen stroke standard: 14mm (9/16")

Total screening area: 35.32m² (380ft²)

OVERSIZE PLUS CONVEYOR

Belt width: 900mm (36")

Belt spec: Chevron

Working Angle: 22° max

Belt Speed: 63 m/min (Recirc.)

Fitted at front / left side of machine

Hydraulic folding for transport

Discharge Height: 4.8m (15' 9")

Stockpile capacity: 165m³ (215yd³) max

TRANSFER CONVEYOR

Belt width: 1.4m (55")

Belt spec: Plain

Belt Speed: 85 m/min

Conveyor fully skirted

FINES CONVEYOR

Belt width: 900mm (36")

Belt spec: plain

Working Angle: 30° max

Rosta scraper on head drum

Belt Speed: 85 m/min

Fitted at rear / right side of machine

Hydraulic folding for transport

Ground level greasing access for all bearings

Standard Discharge Height: 5.4m (17' 8") max

Stockpile capacity: 235m³ (307yd³) max



Hopper/Feeder



Screenbox in transport mode



Springs: Rubber marshmallow type



Powerunit- Outside



Powerunit- Inside

OVERSIZE MINUS CONVEYOR

- Belt width: 1m (40")
- Belt spec: Plain
- Working Angle: Fixed 22°
- Belt Speed: 63 m/min (126 m/min max.)
- Fitted at front end of machine
- Hydraulic folding for transport
- Discharge Height: 4.7m (15' 7")
- Stockpile capacity: 155m³ (202yd³) max

MID GRADE CONVEYOR

- Belt width: 900mm (36")
- Belt spec: Plain
- Working Angle: Fixed 22°
- Belt Speed: 63 m/min (126 m/min max)
- Fitted at front / right side of machine
- Hydraulic folding for transport
- Standard Discharge Height: 4.8m (15' 9")
- Stockpile capacity: 165m³ (215yd³) max

POWERUNIT AND HYDRAULICS

- Tier 3 Equivalent: Caterpillar C7.1
- Engine Power: 151kW (202hp)
- Engine Speed: 2200 rpm
- Tier 4F / Stage IV - Caterpillar C7.1
- Engine Power: 151kW (202.5hp)
- Engine Speed: 2200 rpm
- Pump 1: Flywheel quad pump
- Tracks
- Feeder
- Screen
- Conveyors
- Pump 2: Timing gear tandem
- Conveyors
- Auxiliary drive

TANK CAPACITIES

- Hydraulic Tank: 780 litres / 172 UK gal / 206 US gal
- Fuel Tank: 327 litres / 72 UK gal / 86 US gal
- Urea Tank: 36 litres / 7.9 UK gal / 9.5 US gal

UNDERCARRIAGE

- Shoe Width: 500mm (20")
- Sprocket Centres: 3.28m (10' 9")
- Speed: 1 kph
- Gradeability: 27.7°
- Raking Angle: 7° min



Oversize Plus Conveyor



Fines Conveyor



Oversize Minus Conveyor



Optional - Re-Circulation conveyor. Requires 1 nr auxiliary drive

STANDARD FEATURES

ENGINE:

Tier 3 Equivalent Caterpillar C7.1 LRC – 6 Cylinder diesel engine developing 151kW (202hp) @ 2200 rpm

Tier 4F / Stage IV - Caterpillar C7.1 - 6 cylinder diesel engine developing 151kW (202.5hp) @ 2200 rpm

SCREENBOX:

High Capacity Cedarapids 6203, triple shaft 3 deck screen horizontal screen

20' x 6' 4" deck size (6.1m x 1.93m)

Hydraulic drive

HOPPER/ FEEDER:

Hopper c/w with impact reducing cross bars

Belt Width: 1.4m (55") feed belt

Variable speed control

Low level drop down rear feed point

OVERSIZE PLUS CONVEYOR:

Belt Width: 900mm (36") Chevron belt

OVERSIZE MINUS CONVEYOR:

Belt Width: 1000mm (40") Plain belt

MIDDLEGRADE CONVEYOR:

Belt Width: 900mm (36") Plain belt

FINES CONVEYOR:

Belt Width: 900mm (36") Plain belt

TRANSFER CONVEYOR:

Belt Width: 1.4m (55") Plain belt

ELECTRICAL:

Emergency stops (6 nr)

Hand held track control set with 5m connection lead

T-Link Telemetry System fitted c/w 3 years data

GENERAL:

Safety guards in compliance with machinery directive

Multiple easy access low level greasing points

One auxiliary drive* standard on basic machine

OPTIONAL EQUIPMENT

Top Deck Mesh

Middle Deck Mesh

Bottom Deck Mesh

Hydraulically driven water pump for dust suppression. Requires 1 nr auxiliary drive **

Radio remote System: Track movement only

68 Grade Hydraulic Oil

Additional Stockpiler drive. Requires 1 nr auxiliary drive **

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

Powerunit

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Engine Power: 151kW (202.5hp)
Engine Speed: 2200 rpm

Hopper / Feeder

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- ▶ Drive: Heavy duty gearbox / hydraulic drive with variable speed control
- ▶ Belt width: 1.4m (55")
- ▶ Speed: 33 m/min
- ▶ Material: 10mm (3/8") thick plate

Screenbox

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- ▶ Tensioning screen decks: side
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- ▶ Screen Angle: Fixed Horizontal
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- ▶ Screen stroke Min/Max range: 14/18mm (9/16" - 11/16")
- ▶ Screen stroke standard: 14mm (9/16")
- ▶ Total screening area: 35.32m² (380ft²)

Oversize plus conveyor

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- ▶ Working Angle: 22° max
- ▶ Belt Speed: 63 m/min (Recirc.)
- ▶ Fitted at front / left side of machine
- ▶ Hydraulic folding for transport
- ▶ Discharge Height: 4.8m (15' 9")
- ▶ Stockpile capacity: 165m³ (215yd³) max

Oversize minus conveyor

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- ▶ Belt spec: Plain
- ▶ Working Angle: Fixed 22°
- ▶ Belt Speed: 63 m/min (126 m/min max.)
- ▶ Fitted at front end of machine
- ▶ Hydraulic folding for transport
- ▶ Discharge Height: 4.7m (15' 7")
- ▶ Stockpile capacity: 155m³ (202yd³) max

Fines conveyor

- ▶ Belt width: 900mm (36")
- ▶ Belt spec: plain
- ▶ Working Angle: 30° max
- ▶ Rosta scraper on head drum
- ▶ Belt Speed: 85 m/min
- ▶ Fitted at rear / right side of machine
- ▶ Hydraulic folding for transport
- ▶ Ground level greasing access for all bearings
- ▶ Standard Discharge Height: 5.4m (17' 8") max
- ▶ Stockpile capacity: 235m³ (307yd³) max

Mid Grade Conveyor

- ▶ Belt width: 900mm (36")
- ▶ Belt spec: Plain
- ▶ Working Angle: 22° max
- ▶ Belt Speed: Variable, 141 m/min max belt speed
- ▶ Fitted at front / right side of machine
- ▶ Hydraulic folding for transport
- ▶ Standard Discharge Height: 4.8m (15' 9")
- ▶ Stockpile capacity: 165m³ (215yd³) max

Transfer conveyor

- ▶ Belt width: 1.4m (55")
- ▶ Belt spec: Plain
- ▶ Belt Speed: 85 m/min max
- ▶ Conveyor fully skirted

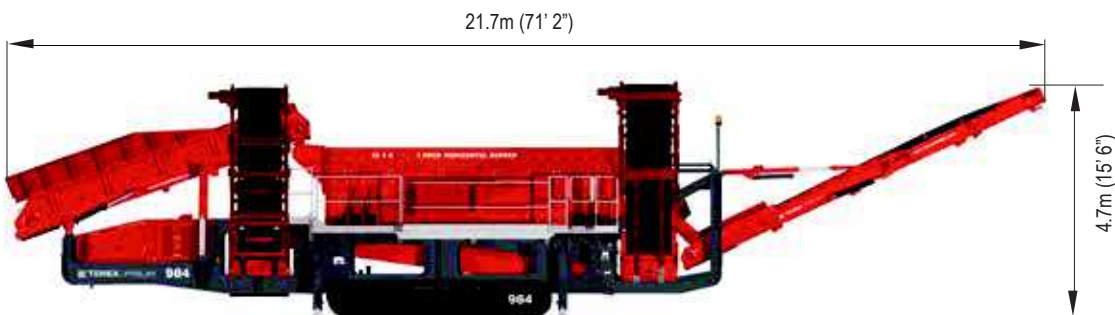
Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Speed: 1kph
- ▶ Gradeability: 27.7°
- ▶ Raking Angle: 7° min

TRANSPORT DIMENSIONS



WORKING DIMENSIONS



MACHINE WEIGHT: 43,100kg (95,019lbs)

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