

893 Heavy Duty Screener



SPECIFICATION:

Screen Size:		6100mm x 1830mm (20' x 6')
Net Engine Power:	Tier 3 / Stage IIIA:	Caterpillar C6.6 202hp (151kW)
	Tier 4i / Stage IIIB:	Caterpillar C4.4 173hp (129kW)
Portability:		Tracked
Operating Weight:		48,000kgs (106,000lbs)*

**Estimated*

WORKS FOR YOU.[™]

SPECIFICATION

HOPPER / FEEDER

Hopper Capacity: 10m³ (13.08 yd³)

Feed height: 3.22m - 4.134m

Feed in width: 1.698m - 2.475m

Drive: Hydraulic variable speed drive via high torque gearbox and heavy duty chain drive

Apron feeder dimensions: 1.1m x Length 5.18m (43" x 16' 12")

Speed: variable, up to 24 mpm

Abrasion Resistant steel pan apron feeder mounted with wide mouth opening

Hopper extensions (Optional): Feed height: 4.905m - 5.29m, Feed in width: 3.724m

SCREEN BOX

Top deck: 6.1m x 1.83m (20' x 6')

Upper deck media: 40mm - 200mm

Bottom deck: 5.5m x 1.83m (18' x 6')

Bottom deck media: 100mm max

Tensioning top deck: side

Tensioning bottom deck: end

Drive: hydraulic with heavy duty bearing single shaft, 2 bearing

Catwalks: Galvanised access catwalk on both sides of screen

Screen Angle: 14° - 18°

Screen Speed: 800 rpm - 1000 rpm

Screen stroke Min/Max range: 8mm-10mm

Screen stroke standard: 8mm

Wear resistant liners on top deck discharge chute

Screen box discharge end raises hydraulically 500mm to facilitate mesh changing

Media options: Mesh, Punch Plate, Tines, Bofor bars, Cascade Fingers

Total screening area: 21.2m² (228 ft²)

OVERSIZE CONVEYOR

Belt width: 1.6m (63")

Belt spec: Chevron

Working Angle: Hydraulic raise/lower variable working angle - 14° to 24°

Speed: 52 mpm

Hydraulically folding head section

Impact bars full length of conveyor

Steel skirted full length of conveyor

Discharge Height: 4.55m (14' 11")

Stockpile capacity: 140.1m³ (183.2yd³) @ 40°

TRANSFER CONVEYOR

Belt width: 1.4m (55")

Belt spec: Plain

Belt Speed: 99.4 mpm

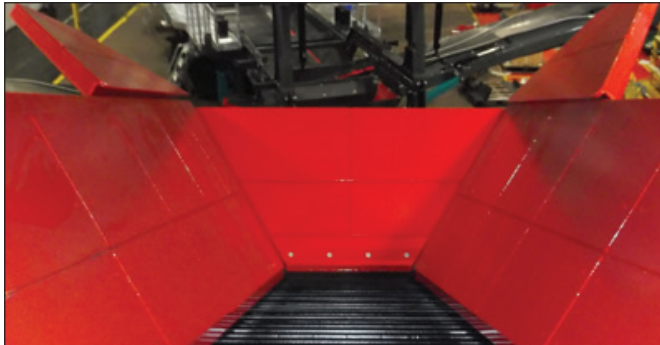
Conveyor fully skirted



Heavy Duty Pan Feeder



Hydraulically Folding Hopper Extensions



Apron Feeder



Screenbox-Top Deck Bofor Bars



Oversize Conveyor



Screenbox-Top Deck Tines

FINES CONVEYOR

Belt width: 900mm (36")

Belt spec: plain

Working Angle: 25°

Rosta scraper on head drum

Speed: variable speed, up to 122 mpm

Standard Discharge Height: 4.5m (14' 09")

Stockpile capacity: 136m³ (178yd³) @ 40°

MIDSIZE CONVEYOR

Belt width: 900mm (36")

Belt spec: Chevron

Working Angle: 25°

Speed: variable speed, up to 114 mpm

Standard Discharge Height: 4.35m (14' 03")

Stockpile capacity: 122m³ (159.6yd³) @ 40°

POWERPACK

Tier 3 / Stage IIIA: Caterpillar C6.6

Engine Power: 202hp (151kW)

Engine Speed: 2200 rpm

Tier 4i / Stage IIIB: Caterpillar C4.4

Engine Power: 173hp (129kW)

Engine Speed: 2200 rpm

Pump 1: Quad 63cc/63cc/33cc/33cc pump

One section driving panfeeder

Second section driving screen

Third section driving the transfer conveyor and low speed left hand track

Forth section driving the fines conveyor and low speed right hand track

Pump 2: Tandem 29cc/29cc pump

One section driving the midsize conveyor and high speed right hand track

Second section driving the oversize conveyor and high speed left hand track

TANK CAPACITIES

Hydraulic Tank: 790 litres / 174 UK gal / 209 US gal

Fuel Tank: 597 litres / 131 UK gal / 158 US gal

UNDERCARRIAGE

Width: 500mm (20")

Sprocket centres: 3.8m (12' 6")

2 Speed with 'soft start'

Speed: High speed: 16.67 m/min (0.62mph)

Low speed: 8.33 m/min (0.31 mph)

Gradeability: 28.9°

Raking Angle: 10°



Powerunits Deutz Engine (Standard)



Userfriendly control panel



Midsize Conveyor



Fines Conveyor



Easy Service Access

STANDARD FEATURES

ENGINE:

Tier 3 - Caterpillar C6.6 - 6 cylinder diesel engine developing 202hp (151kW) @ 2200 rpm
Independent hydraulic drive for each conveyor
Pressure sensor protection against overload on fines and transfer conveyor
1 nr stockpiler drive

FEEDER:

Abbrasion Resistant plate steel pan apron feeder with heavy duty chain drive
10m³ hopper (13.08 yd³)
Remote start stop of apron feeder
Adjustable feed height - 470mm range

Screenbox:

Modular configuration screen box
Hydraulic raise for mesh changing (660mm)
6.1m x 1.83m (20' x 6') top deck screen and 5.5m x 1.83m (18' x 6') bottom deck screen
Top deck side and Bottom deck end tensioned mesh fitting parts as standard
Galvanised Catwalk around screen c/w handrail, kick board and access ladder
Screen box reject chute c/w wear resistant liners

OVERSIZE CONVEYOR:

1.6m (63") wide O/S conveyor with twin drive and chevron belt (4.55m discharge height)
Skirting on oversize conveyor
Impact bars in feedboot and impact slips thereafter

Middle Grade Conveyor:

900mm (36") wide chevron belt on middle grade conveyor with variable speed, thumper roller & telescopic head section

FINES CONVEYOR:

900mm (36") wide plain belt on fines conveyor with variable speed, belt scraper & telescopic head section

Transfer Conveyor:

1.4m (55") wide plain belt with variable speed control & high spec scraper

General:

Heavy duty undercarriage unit with 500mm wide pads - 3.8m sprocket centres
Control operation of tracks via hand held-set with 5m connection lead
Safety guards in compliance with machinery directive
Low level greasing
Emergency Stops (4 nr)

OPTIONAL EQUIPMENT

Radio remote control of tracks

Top deck abbrasion Resistant Plate punch plate (35/40/50/60/75/85/100/125/150mm) (175/200mm punch plate also available but only on last 2 screens)

Top deck heavy duty Bofar bars (75/100/125/150mm) (Check Leadtime - Contact Factory)

Top deck mesh (20-150mm)

Bottom deck mesh/ speedharp (10-100mm)

Bottom deck side Tensioned mesh (not compatible with bottom deck cascade fingers)

Bottom deck punch plate (Side Tensioned 10 - 100mm)

Hydraulic tensioning (bottom deck screen end tensioned mesh)

Hydraulic driven cleaning brush for pan feeder

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

10mm Abrasion Resistant Plate lined hopper

Hydraulically folding hopper extensions

Chain blanket for over the screenbox (Check Leadtime - Contact Factory)

Plain belt for middle grade conveyor

Chevron belt for fines conveyor



TEREX | **FINLAY**

Hopper / Feeder

- ▲ Hopper Capacity: 10m³ (13.08 yd³)
- ▲ Feed height: 3.22m - 4.134m (10' 6" - 13' 6")
- ▲ Feed in width: 1.698m - 2.475m (5' 6" - 8' 1")
- ▲ Tensioning bottom deck: end
- ▲ Drive: Hydraulic variable speed drive via high torque gearbox and heavy duty chain drive
- ▲ Apron feeder dimensions: 1.1m x Length 5.18m (43" x 16' 12")
- ▲ Speed: variable, up to 24 rpm
- ▲ Abrasion Resistant steel pan apron feeder mounted with wide mouth opening
- ▲ Hopper extensions (Optional): Feed height: 4.905m - 5.29m (16' 1" - 17' 3") , Feed in width: 3.724m (12' 2")

Screenbox

- ▲ Top deck: 6.1m x 1.83m (20' x 6')
- ▲ Upper deck media: 40mm - 200mm
- ▲ Bottom deck: 5.5m x 1.83m (18' x 6')
- ▲ Bottom deck media: 100mm max
- ▲ Tensioning top deck: side
- ▲ Tensioning bottom deck: end
- ▲ Drive: hydraulic with heavy duty bearing single shaft, 2 bearing
- ▲ Catwalks: Galvanized access catwalk on both sides of screen
- ▲ Screen Angle: 14° - 18°
- ▲ Screen Speed: 800 rpm - 1000 rpm
- ▲ Screen stroke Min/Max range: 8mm-10mm
- ▲ Screen stroke standard: 8mm
- ▲ Wear resistant liners on top deck discharge chute
- ▲ Screen box discharge end raises hydraulically 500mm to facilitate mesh changing
- ▲ Media options: Mesh, Punch Plate, Tines, Bofor bars, Cascade Fingers
- ▲ Total screening area: 21.2m² (228 ft²)

Midgrade Conveyor

- ▲ Belt width: 900mm (36")
- ▲ Belt spec: Chevron
- ▲ Working Angle: 25°
- ▲ Speed: variable speed, up to 114 mpm
- ▲ Standard Discharge Height: 4.35m (14' 03")
- ▲ Stockpile capacity: 122m³ (159.6yd³) @ 40°

Powerpack

- ▲ Tier 3 / Stage IIIA: Caterpillar C6.6
Engine Power: 202hp (151kW)
Engine Speed: 2200 rpm
- ▲ Tier 4i / Stage IIIB: Caterpillar C4.4
Engine Power: 173hp (129kW)
Engine Speed: 2200 rpm

Fines Conveyor

- ▲ Belt width: 900mm (36")
- ▲ Belt spec: plain
- ▲ Working Angle: 25°
- ▲ Rosta scraper on head drum
- ▲ Speed: variable speed, up to 122 mpm
- ▲ Standard Discharge Height: 4.5m (14' 09")
- ▲ Stockpile capacity: 136m³ (178yd³) @ 40°

Undercarriage

- ▲ Width: 500mm (20")
- ▲ Sprocket centres: 3.8m (12' 6")
- ▲ 2 Speed with 'soft start'
- ▲ Speed:
 - High speed: 16.67 m/min (0.62mph)
 - Low speed: 8.33m/min (0.31 mph)
- ▲ Gradeability: 28.9°
- ▲ Raking Angle: 10°

Transfer Conveyor

- ▲ Belt width: 1.4m (55")
- ▲ Belt spec: Plain
- ▲ Belt Speed: 99.4 mpm
- ▲ Conveyor fully skirted

Oversize Conveyor

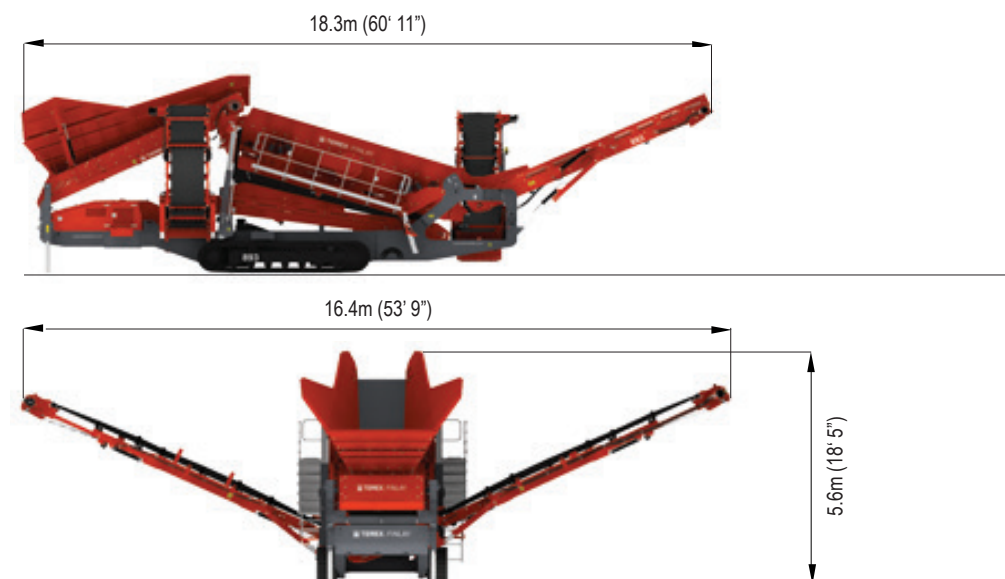
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- ▲ Belt spec: Chevron
- ▲ Working Angle: Hydraulic raise/lower variable working angle - 14° to 24°
- ▲ Speed: 52 mpm
- ▲ Hydraulically folding head section
- ▲ Impact bars full length of conveyor
- ▲ Steel skirted full length of conveyor
- ▲ Discharge Height: 4.55m (14' 11")
- ▲ Stockpile capacity: 140.1m³ (183.2yd³) @ 40°

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Transport Dimensions



Working Dimensions



*Machine shows,
Feeder at max feed height
Screen at max working angle
Conveyor max discharge height

MACHINE WEIGHT: 48,000kgs (106,000lbs) Estimated