

870

HEAVY DUTY SCREEN



Screen Size: 4.1m x 1.22m (13' 6" x 4')

Net Engine Power: Stage V: Caterpillar C2.2 55kW (74hp)
Tier 4F: Caterpillar C3.4B 55KW (74hp)
Tier 3: Caterpillar C4.4 62kW (83hp)

Portability: Tracked

Operating Weight: 20,750Kgs (45,745lbs)*

*Standard Tier 4 Machine

STRONG **HERITAGE**, STRONG **FUTURE**

 **FINLAY**®
A TEREX BRAND

HEAVY DUTY SCREEN

HOPPER/FEEDER

Hopper Capacity: 5m³ (6.54yd³) with hydraulic folding hopper extensions

Feed height (rear): 3.4m (11ft 2in)

Feeder height (side): 4.1m (13ft 5in)

Feed in width: 2.2m (7' 3")

Drive: Hydraulic variable speed drive via high torque gearbox

Beltfeeder dimensions: 1.1m wide x 3.4m long (43" x 11' 2") Target area: 3.7m long x 2.2 wide

Speed: variable

SCREEN BOX

Top deck: 4.1m x 1.22m (13' 6" x 4')

Bottom deck: 4.1m x 1.22m (13' 6" x 4')

Tensioning top deck: side

Tensioning bottom deck: end

Drive: hydraulic with heavy duty bearing

Screen Angle: 14° - 18°, hydraulic adjust

Screen Speed: 1020 rpm 920 rpm

Screen stroke Min/Max range: 10 - 12mm (0.4" - 0.5")

Screen stroke standard: 10mm (0.4")

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

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

Total screening area: 9.74m² (105ft²)

OVERSIZE CONVEYOR

Belt width: 1.05m (42")

Belt spec: 3 Ply Chevron

Working Angle: 23° fixed

Speed: Variable speed, 82 m/min

Impact bed full length of conveyor

Discharge Height: 3.0m (9' 10")

Stockpile capacity: 40m³ (52.3yd³) max

TRANSFER CONVEYOR

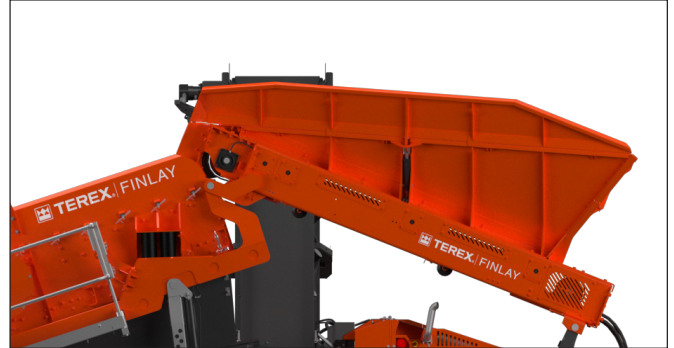
Belt width: 1m (40")

Belt spec: 3 ply Belt, EP 400

Belt Speed: 82 m/min max belt speed

Conveyor fully skirted

High spec scraper at head drum



Hopper



Screen Box



Oversize Conveyor



Fines Conveyor

FINES CONVEYOR

Belt width: 800mm (32")
 Belt spec: 3 ply Belt
 Working Angle: 25°
 Rosta scraper on head drum
 Speed: variable speed, 136m/min max belt speed
 Standard Discharge Height: 3.85m (12' 8")
 Stockpile capacity: 88m³ (115.1yd³)

MIDGRADE CONVEYOR

Belt width: 650mm (26")
 Belt spec: 3 ply Belt
 Working Angle: 25°
 Speed: variable speed, 102 m/min max belt speed
 Standard Discharge Height: 3.6m (11' 10")
 Stockpile capacity: 69m³ (90yd³)

POWERUNIT & HYDRAULICS

Stage V: Caterpillar C2.2
 Engine Power: 55kW (74hp)
 Engine Speed: 2350 rpm

Tier 4F: Caterpillar C3.4B
 Engine Power: 55kW (74hp)
 Engine Speed: 2350 rpm

Tier 3: Caterpillar C4.4
 Engine Power: 62kW (83hp)
 Engine speed: 2350 rpm

Pump:
 27/27/27
 Screen & Transfer
 Fines & Mids
 Feeder & Oversize

TANK CAPACITIES

Hydraulic Tank Capacity: 450 litres / 98 UK gal / 119 US gal
 Fuel Tank Capacity: 336 litres / 73 UK gal / 88 US gal

UNDERCARRIAGE

Shoe Width: 400mm (16")
 Sprocket Centres: 3.47m (11' 5")
 Dual speed tracking
 High speed: 1.9kph
 Low speed: 1.1kph

Gradeability: 35°
 Raking Angle: 8° min



Mid Grade Conveyor

OPTIONAL EQUIPMENT:

Tines in top deck (40/50/60/65/75) Maximum 75mm - Max. piece size not to exceed 400mm³, based on a Material density of 1,600kg/m³

Abbrasion Resistant Plate punch plate in top deck of screen (35/40/50/60/75/85/100/120mm) - Max. piece size not to exceed 400mm³, based on a Material density of 1,600kg/m³

Heavy duty Bofar bars in top deck (75/100)mm- Max. piece size not to exceed 400mm³, based on a Material density of 1,600kg/m³

Top deck mesh (20-100mm) - Max. piece size not to exceed 400mm³, based on a Material density of 1,600kg/m³

3D Punch Plate (50/75/100mm) - Max. piece size not to exceed 400mm³, based on a Material density of 1,600kg/m³

Cascade fingers in bottom deck 25-50mm (only available for top deck opening up to 75mm)

Abbrasion Resistant Plate punch plate in bottom deck of screen (35/40/50/60/75mm)

Bottom deck mesh (10-75mm)

Screen blanket for material retardation

Side conveyors discharge side reversed (Fines to LHS and Mid-grade to RHS)

Two way split configuration (Mid-grade conveyor removed)

Radio remote control of tracks

68 grade hydraulic oil

Galvanised Catwalk around screen (Left & Right sides) c/w hand-rail & kick board

Auto Lubrication System

HEAVY DUTY SCREEN

FINES CONVEYOR

- Belt width: 800mm (32")
- Belt spec: plain belt
- Working Angle: 24° - 28°
- Rosta scraper on head drum
- Speed: variable speed, 120 m/min (394 ft/min) max belt speed
- Standard Discharge Height: 4m (13' 1") max
- Stockpile capacity: 95m³ (124yd³) max
- Optional telescopic section
- Extended Discharge Height: 5.1m (16' 9") max

OVERSIZE CONVEYOR

- Belt width: 1.2m (48")
- Working Angle: 18° - 24°
- Speed: Variable speed, 50 m/min max belt speed
- Impact bars 2/3 Length of Conveyor
- Steel skirted full length of conveyor
- Discharge Height: 3.5m (11' 5")
- Stockpile capacity: 64m³ (70yd³) max

TRANSFER CONVEYOR

- Belt width: 1.2m (48")
- Belt Speed: 83 m/min (272 ft/min)
- Conveyor fully skirted

SCREENBOX

- Top deck: 3.66m X 1.53m (12' X 5')
- Bottom deck: 3.66m X 1.53m (12' X 5')
- Tensioning top deck: side
- Tensioning bottom deck: end
- Drive: hydraulic with heavy duty bearing
- Catwalks: Galvanised access catwalk on both side of screen
- Screen Angle: 13° - 19°, hydraulic adjustable
- Screen Speed: 1000 rpm
- Screen stroke: 8mm (0.4")
- Screen box discharge end raises hydraulically 500mm to facilitate mesh changing
- Total screening area: 10.95m² (120ft²)

HOPPER / FEEDER

- Hopper Capacity: 7m³ (916yd³)
- Feed height: 3.56m (11' 8")
- Feed in width: 2.6m (8' 6")
- Drive: Twin drive motor gearbox arrangement
- Beltfeeder with 1.2m plain belt (48")

POWERUNIT

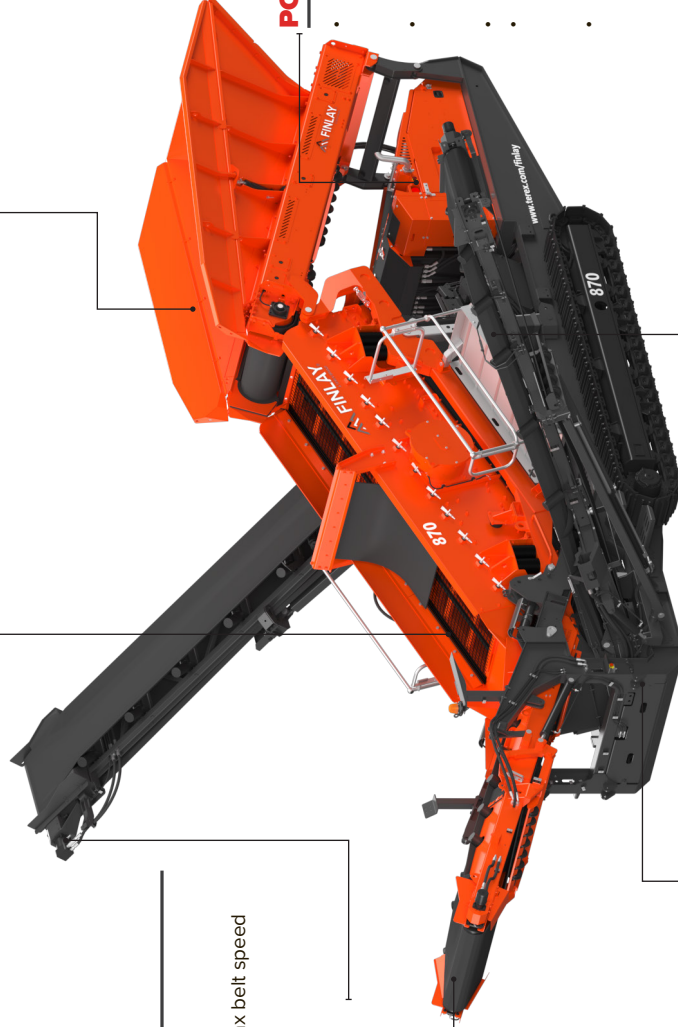
- Tier 3 Equivalent: Caterpillar C4.4
Engine Power: 83kW (111.3hp)
Engine Speed: 2200 rpm
- Tier 3 Equivalent: Caterpillar C4.4
Engine Power: 97kW (130hp)
Engine Speed: 2200 rpm
- Tier 4F / Stage IV : Caterpillar C4.4
Engine Power: 82kW (110hp)
Engine Speed: 2200 rpm
- Stage V : Caterpillar C4.4
Engine Power: 102kW (137hp)
Engine Speed: 2200 rpm

MIDGRADE CONVEYOR

- Belt width: 800mm (32")
- Belt spec: chevron belt
- Working Angle: 22° - 26°
- Speed: variable speed 120 m/min (394 ft/min) max belt speed
- Standard Discharge Height: 3.4m (11' 2") max
- Stockpile capacity: 58m³ (76yd³) max
- Optional telescopic section
- Extended Discharge Height: 4.4m (14' 5") max
- Stockpile capacity: 126m³ (165yd³) max

UNDERCARRIAGE

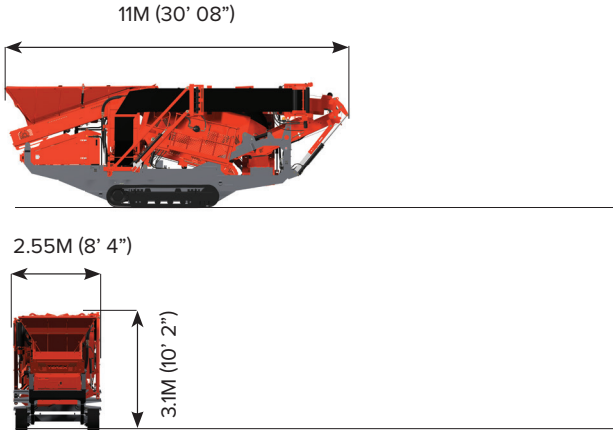
- Shoe Width: 400mm (16")
- Sprocket Centres: 2.92m (9' 5")
- Speed: 0.9kph
- Gradeability: 27°



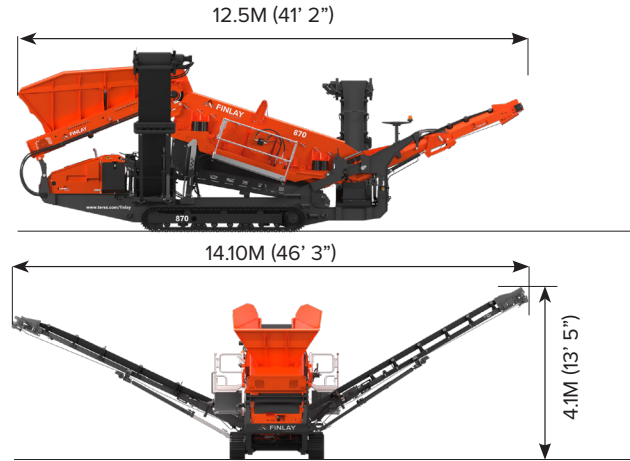
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HEAVY DUTY SCREEN

TRANSPORT DIMENSIONS



WORKING DIMENSION



MACHINE WEIGHT: 20,750 KG (45,745 LBS)*
WITH BELT FEEDER



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Created in 2022