



TEREX | FINLAY



683

683 SUPERTRAK

SPECIFICATION:

Screen Size:		3660mm x 1530mm (12' x 5')
Net Engine Power:	Tier 3 / Stage IIIA:	Caterpillar C4.4 83kW (111.3hp)
	Stage IIIA Constant Speed:	Caterpillar C4.4 98.1kW (131hp)
	Tier 4F / Stage IV:	Caterpillar C4.4 82kW (110hp)
Portability:		Tracked or Wheeled
Operating Weight:		24,250kg (53,462lbs)*
		<i>*With tipping grid</i>



SPECIFICATION

HOPPER AND GRID

Hopper Capacity: 8m³ (10.5yd³)

Feed height: 3.46 (11' 4")

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

Grid aperture: 100mm (4")

Drive: Hydraulic variable speed drive via high torque 500cc motor

Beltfeeder belt width: 1.05m (42")

Belt Spec: Plain 3 ply belt, EP400

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

Wide mouth opening

MAIN CONVEYOR

Drive: Hydraulic drive via high torque 630cc motor

Belt width: 1m (40")

Belt spec: Plain 3 ply belt, EP400

Belt Speed: 92 mpm (302' per min)

Steel skirted full length of conveyor

SCREEN BOX

Top deck: 3.66m x 1.53m (12' x 5')

Bottom deck: 3m x 1.53m (10' x 5')

Bolt Side Tensioning top deck

Hydraulic end tensioned bottom deck

Drive: Hydraulic heavy duty 2-Bearing

Screen Angle: 18° - 37°, hydraulic adjust

Screen Speed: 1200 rpm

Screen stroke standard: 5.5-6mm (1/4")

Abrasion resistant material impact plate

Spreader plate

Galvanised Access catwalks on both sides and top end of screen

Total screening area: 10.1m² (110ft²)

SIDE CONVEYORS

Drive: Hydraulic variable speed drive via high torque 500cc motor

Belt width: 650mm (26")

Belt spec: Chevron 2 ply EP250

Working Angle: 24°

Speed: Variable speed, 0 - 103mpm (338' per min)

Hydraulic Folding

Discharge Height: 4.86m (15' 11")

Stockpile capacity: 145m³ (191yd³)



Hopper and Grid



Screenbox with all round catwalks access



Main Conveyor



Fines Conveyor



Side Conveyor

FINES CONVEYOR

Drive: Hydraulic variable speed drive via high torque 630cc motor

Belt width: 1.2m (48")

Belt spec: Plain, 3 ply, EP400

Working Angle: Variable 25° (Max)

Rosta scraper on head drum

Speed: 92 mpm (302' per min)

Standard Discharge Height: 3.86m (12' 8")

Stockpile capacity: 80m³ (104yd³)

POWERUNIT AND HYDRAULICS

Tier 3 / Stage IIIA: Caterpillar C4.4

Engine Power: 83kW (111.3hp)

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: 82kW (110hp)

Engine Speed: 2200 rpm

Pump 1: Tandem 33cc/33cc (Tier 3 & Tier 4)

The first section of this pump drives either the left track or the belt feeder motor and the main conveyor motor in series

The second section of this pump drives either the right track or the fines conveyor motor and the screen motor in series

Pump 2: Tandem 29cc/29cc (Tier 3 & Tier 4)

The first section of this pump is split and drives the two side conveyors motors

The second section of this pump operates the vibrating/tipping grid

Pump 1 Tandem 46/46 (Constant Speed)

The first section drives either the (left) track or the main conveyor and belt feeder

The Second section drives either the (right) track or operates the fines conveyor and screen

Pump 2 Tandem 33/33 (Constant Speed)

The first section drives the the vibrating grid or tipping grid

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

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: 400mm (16")

Sprocket Centres: 2.92m (9' 7")

Speed: 0.9 km/h

Gradeability: 27°

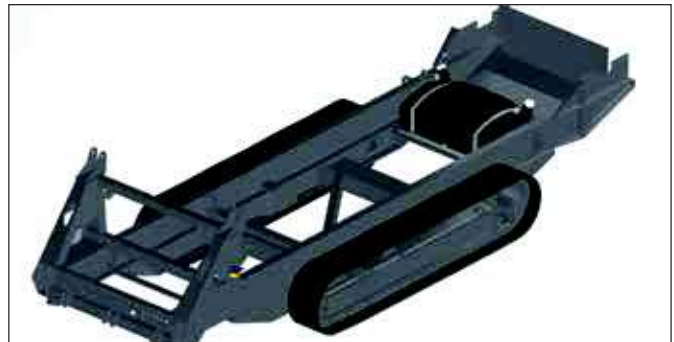
Raking Angle: 8°



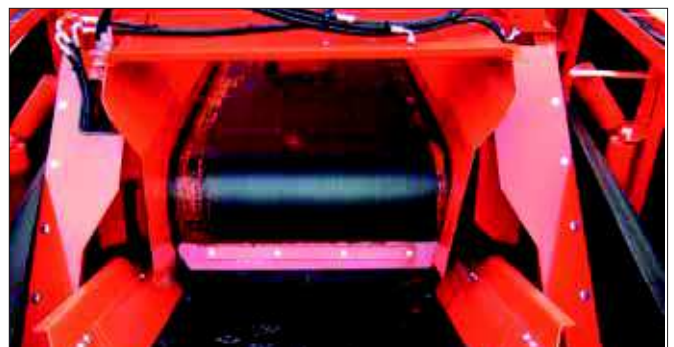
Fines Conveyor



User Friendly Interface



Undercarriage



Belt Feeder

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STANDARD FEATURES

ENGINE:

Tier 3 / Stage 3A Caterpillar C4.4 - 4 cylinder diesel engine developing 83kW (111.3hp) 2200rpm

Stage 3A CAT 4.4 constant speed engine - 4 cylinder diesel engine developing 98.1kW (131hp) @1800rpm - Europe Only

FEEDER:

Hopper Capacity: 8m³ (10.5yd³)

Hopper feed length: 4.25m (14ft)

Belt width: 1.05m (42") variable speed belt feeder

Remote control hydraulic tipping reject grid c/w grouser bars 4.25m x 100mm spacing (14' 0" x 4")

SCREENBOX:

3.66m x 1.52m (12' x 5') top deck screen and 3.00m x 1.52m (10' x 5') bottom deck screen

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

Hydraulic tensioning (bottom deck screen mesh)

MAIN CONVEYOR:

Belt Width: 1000mm (40") c/w skirting

SIDE CONVEYORS:

Belt Width: 650mm (26") chevron belt on both side conveyors

FINES CONVEYOR:

Belt Width: 1.2m (48")

ELECTRICAL:

Emergency stops

Control operation of tracks via hand-held set

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

GENERAL:

Safety guards in compliance with machinery directive

Low Level Greasing

OPTIONAL EQUIPMENT

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

Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 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 as standard)

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

Quick Wedge tensioning top deck

Top deck mesh

Bottom deck mesh/ speedharp

Screenbox Rotation Reversal control

Main Conveyor spreader plate lined wear resistant steel

Canvas Dust covers on main and fines belt

Radio remote control of tracks

68 grade hydraulic oil

1nr Standard stockpiler drive - Approx 30 Litres/min (only available when no vibrating grid fitted)

OR 1nr Dedicated stockpiler drive - Approx 55 Litres/min

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

Oversize & Middle Grade Conveyors

- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Belt width: 650mm (26")
- ▶ Belt spec: Chevron 2 ply EP250
- ▶ Working Angle: 24°
- ▶ Speed: Variable speed, 0 - 103 mpm (338' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 4.72m (14')
- ▶ Stockpile capacity: 145m³ (191yd³)

Hopper / Feeder

- ▶ Hopper Capacity: 8m³ (10.5yd³)
- ▶ Feed height: 3.52m (11' 7")
- ▶ Feed in width: 4.77m (15' 8") (grid wing plates)
- ▶ Grid aperture: 100mm (4')
- ▶ Drive: Hydraulic variable speed drive via high torque 500cc motor
- ▶ Beltfeeder belt width: 1.05m (42")
- ▶ Belt Spec: Plain 3 ply belt, EP400
- ▶ Speed: variable, 0 - 16 mpm (0 - 53' per min)
- ▶ Wide mouth opening

Tipping grid

Fines conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain, 3 ply, EP400
- ▶ Working Angle: Variable 25° (Max)
- ▶ Rosta scraper on head drum
- ▶ Speed: variable speed, 92 mpm (302' per min)
- ▶ Standard Discharge Height: 3.86m (12' 8")
- ▶ Stockpile capacity: 80m³ (104yd³)

Main conveyor

- ▶ Drive: Hydraulic drive via high torque 630cc motor
- ▶ Belt width: 1m (40")
- ▶ Belt spec: Plain 3 ply belt, EP400
- ▶ Belt Speed: 92 mpm (302' per min)
- ▶ Steel skirted full length of conveyor

Oversize conveyor

Screen box

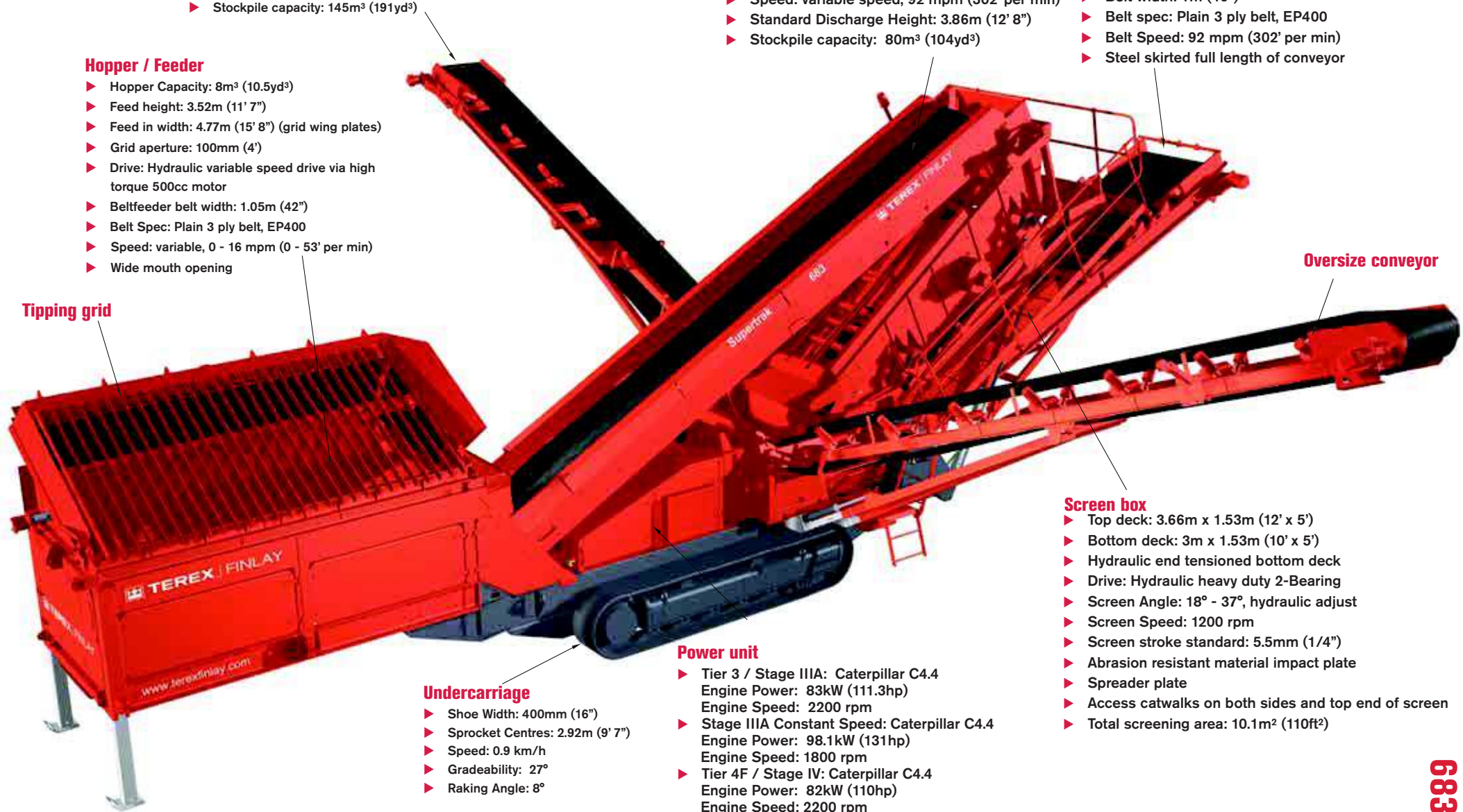
- ▶ Top deck: 3.66m x 1.53m (12' x 5')
- ▶ Bottom deck: 3m x 1.53m (10' x 5')
- ▶ Hydraulic end tensioned bottom deck
- ▶ Drive: Hydraulic heavy duty 2-Bearing
- ▶ Screen Angle: 18° - 37°, hydraulic adjust
- ▶ Screen Speed: 1200 rpm
- ▶ Screen stroke standard: 5.5mm (1/4")
- ▶ Abrasion resistant material impact plate
- ▶ Spreader plate
- ▶ Access catwalks on both sides and top end of screen
- ▶ Total screening area: 10.1m² (110ft²)

Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4
Engine Power: 83kW (111.3hp)
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: 82kW (110hp)
Engine Speed: 2200 rpm

Undercarriage

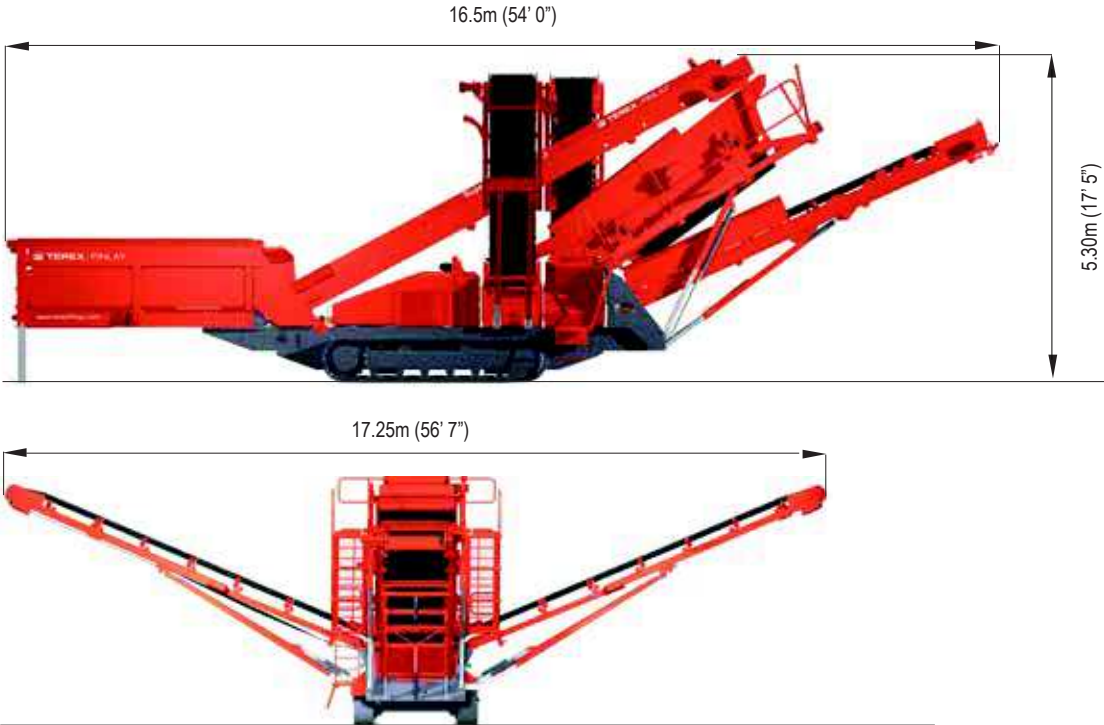
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.92m (9' 7")
- ▶ Speed: 0.9 km/h
- ▶ Gradeability: 27°
- ▶ Raking Angle: 8°



TRANSPORT DIMENSIONS



WORKING DIMENSIONS



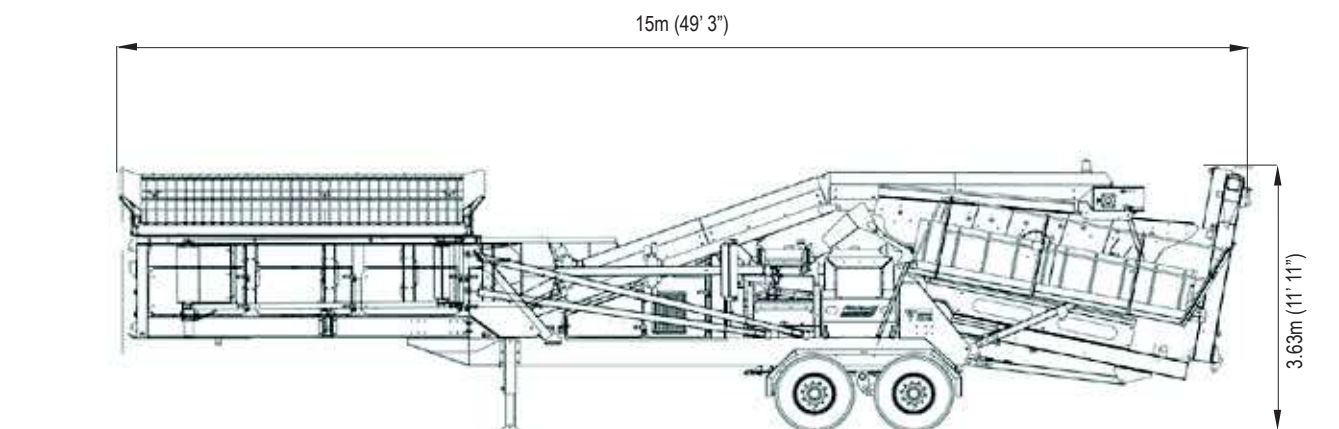
Note: Machine shown without tipping grid (This does not affect overall working & transport dimensions)

MACHINE WEIGHT: 24,250kg* (53,462lbs) *with tipping grid

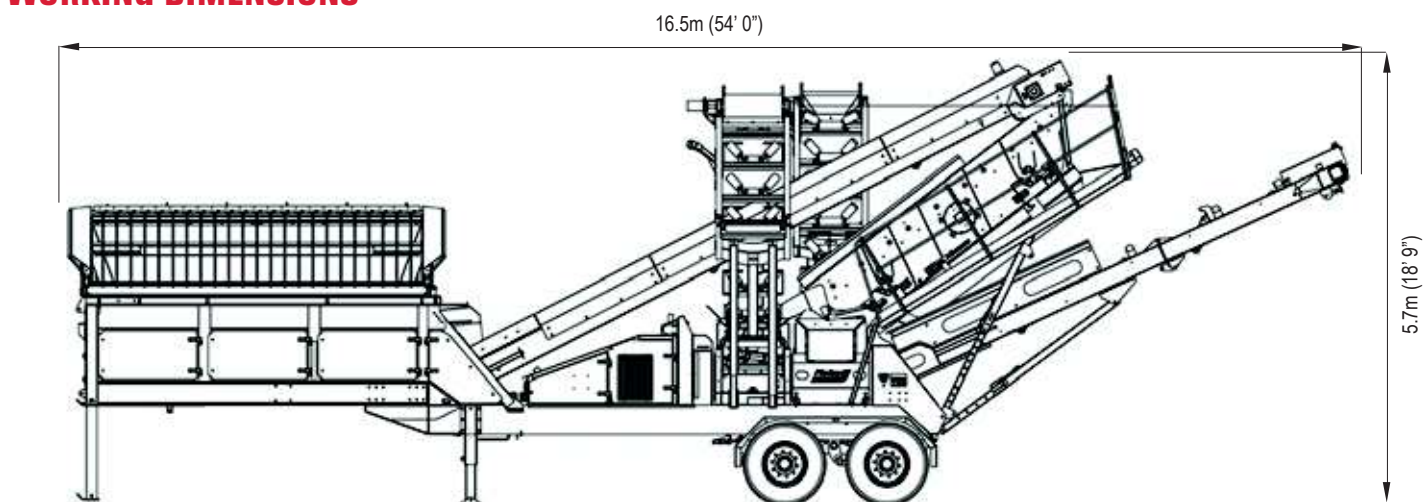
For further information on specific machine weight configurations please consult Terex Finlay

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TRANSPORT DIMENSIONS



WORKING DIMENSIONS



MACHINE WEIGHT: 22,000kg (48,502lbs)

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

