



TEREX | FINLAY



863

863 HEAVY DUTY SCREENER

SPECIFICATION:

Screen Size:		2760mm x 1220mm (9' x 4')
Net Engine Power:	Stage V:	Caterpillar C2.2 55kW (74hp)
	Tier 4F / Stage IV:	Caterpillar C3.4 55kW (73.8hp)
Portability:		Tracked
Operating Weight:		18,300kg (40,350lbs)*
		<i>*With Belt feeder</i>

SPECIFICATION

HOPPER / FEEDER

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

Feed height: 3.3m (10' 10")

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")

Speed: variable,

SCREEN BOX

Top deck: 2.76m x 1.22m (9' x 4')

Bottom deck: 2.76m x 1.22m (9' x 4')

Tensioning top deck: side

Tensioning bottom deck: end

Drive: hydraulic with heavy duty bearing

Screen Angle: 14° - 18°, hydraulic adjust

Screen Speed: 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: 6.7m² (72ft²)

OVERSIZE CONVEYOR

Belt width: 1m (40")

Belt spec: Chevron

Working Angle: 15° - 24°, hydraulic adjust

Speed: Variable speed, 115m/min max belt speed

Impact bars 2/3 Length of Conveyor

Steel skirted full length of conveyor

Discharge Height: 3.5m (11' 6")

Stockpile capacity: 64m³ (83.8yd³) max

TRANSFER CONVEYOR

Belt width: 1m (40")

Belt spec: 3 ply Belt, EP 400

Belt Speed: 145 m/min max belt speed

Conveyor fully skirted

High spec scraper at head drum

FINES CONVEYOR

Belt width: 650mm (26")

Belt spec: plain belt

Working Angle: 25°

Rosta scraper on head drum

Speed: variable speed, 185 m/min max belt speed

Standard Discharge Height: 3.85m (12' 8")

Stockpile capacity: 85m³ (111yd³)



Hopper



Screen Box



Oversize Conveyor



Fines Conveyor



User Friendly Interface

MID GRADE CONVEYOR

Belt width: 650mm (26")

Belt spec: chevron belt

Working Angle: 25°

Speed: variable speed, 185 m/min max belt speed

Standard Discharge Height: 3.68m (12' 1")

Stockpile capacity: 75m³ (98yd³)

POWERUNIT AND HYDRAULICS

Stage V: Caterpillar C2.2

Engine Power: 55kW (74hp)

Engine Speed: 2300 rpm

Tier 4F / Stage IV: Caterpillar C3.4.

Engine Power: 55kW (73.8hp)

Engine Speed: 2300 rpm

Pump 1:

Conveyors

Screen

Tracks

Pump 2:

Nil

TANK CAPACITIES

Hydraulic Tank: 500 litres / 109 UK gal / 132 US Gal

Fuel Tank: 145 litres / 32UK gal / 38 US Gal

UNDERCARRIAGE

Shoe Width: 400mm (16")

Sprocket Centres: 2.5m (8' 2")

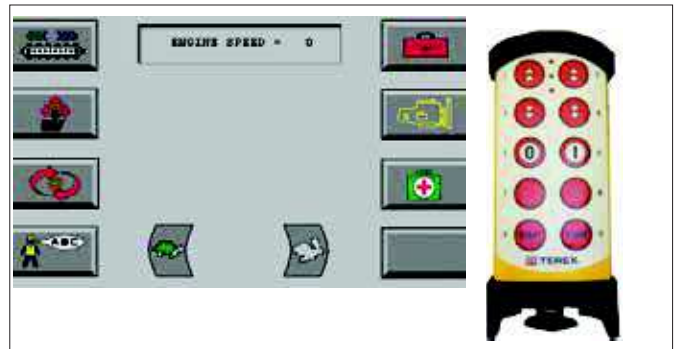
Dual speed tracking

High speed: 1.6kph

Low speed: 0.9kph

Gradeability: 39°

Raking Angle: 9° min



Radio remote control of tracks (Option)



Galvanised Catwalk around Screen (Option)



Top Deck Tines



Deutz TD2011 L04i - 4 cylinder diesel engine developing 66.2hp (49.4kW) @ 2300 rpm



Top Deck Mesh

STANDARD FEATURES

ENGINE:

Tier 4F / Stage IV - Caterpillar C3.4B - 4 cylinder diesel engine developing 55kW (73.8hp) @ 2300rpm

Stage V - CAT C2.2 55kW (74hp) at 2300rpm

FEEDER:

Hopper capacity: 5m³ (6.54yd³) with hydraulically folding extensions

Beltfeeder with 1100mm plain belt (43") and hydraulic gearbox drive

SCREENBOX:

Modular configuration screen box

Hydraulic raise for mesh changing 500mm (20")

2.76m x 1.22m (9' x 4') top deck screen and 2.76m x 1.22m (9' x 4') bottom deck screen, with variable angle adjust 14° to 18°

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

OVERSIZE CONVEYOR:

Belt Width: 1000mm (40") chevron belt, hydraulic folding c/w skirting

MIDDLEGRADE CONVEYOR:

Belt Width: 650mm(26") variable speed.

FINES CONVEYOR:

Belt Width: 650mm (26") variable speed and belt scraper

FINES TRANSFER CONVEYOR:

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

ELECTRICAL:

Emergency Stops (4 nr)

Control operation of tracks via hand held-set with 5m connection lead

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

GENERAL:

Safety guards in compliance with machinery directive

Low level greasing

OPTIONAL EQUIPMENT

Abbrasion Resistant plate steel pan apron feeder with heavy duty chain drive- c/w larger tracks. Note- implications on transport height and weight. Please check with logistics department

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

Cascade fingers in bottom deck 25-75mm (x 5mm)

Bottom deck mesh (10-75mm)

Radio remote control of tracks

68 grade hydraulic oil

300mm increased ground clearance extension

Galvanised Catwalk around screen (Left & Right sides) c/w handrail & kick board

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

Hopper / Feeder

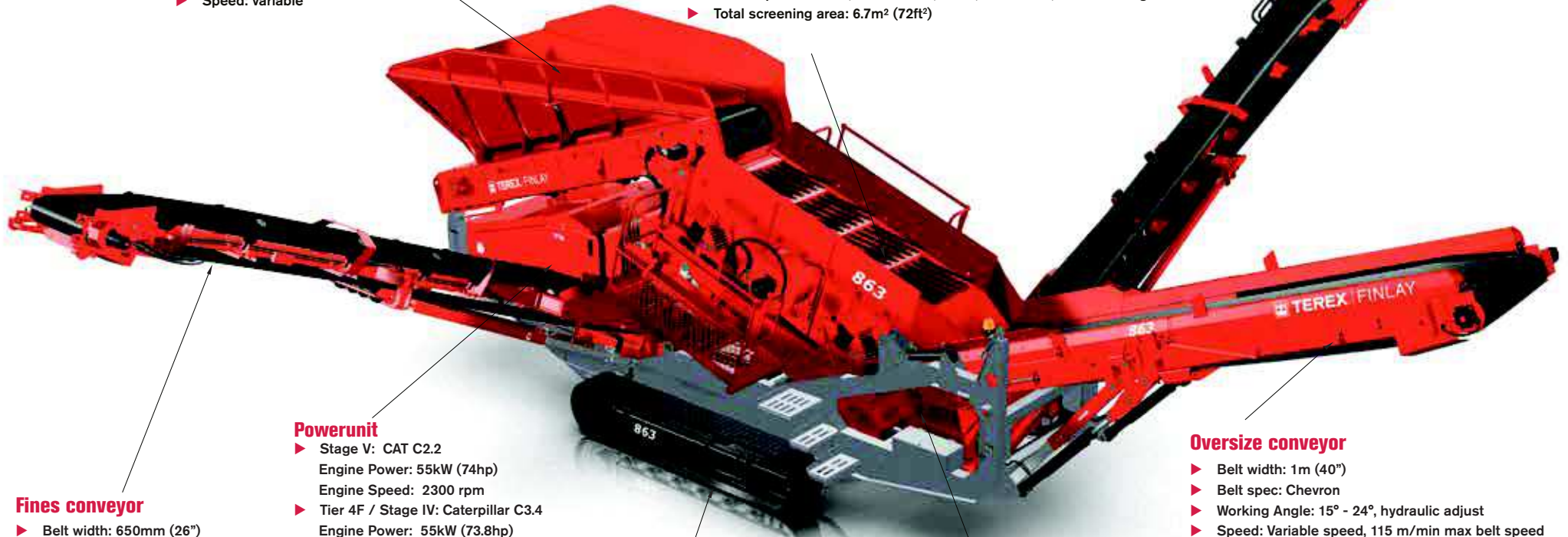
- ▶ Hopper Capacity: 5m³ (6.54yd³) with hydraulic folding hopper extensions
- ▶ Feed height: 3.3m (10' 10")
- ▶ Feed in width: 2.2m (7' 3")
- ▶ Drive: Hydraulic variable speed drive via high torque gearbox
- ▶ Beltfeeder dimensions: 1.1m wide x 3.4m long (43" x 11' 2")
- ▶ Speed: variable

Screenbox

- ▶ Top deck: 2.76m x 1.22m (9' x 4')
- ▶ Bottom deck: 2.76m x 1.22m (9' x 4')
- ▶ Tensioning top deck: side
- ▶ Tensioning bottom deck: end
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Screen Angle: 14° - 18°, hydraulic adjust
- ▶ Screen Speed: 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
- ▶ Wear resistant liners on top deck discharge chute: No
- ▶ Media options: Mesh, Punch Plate, Tines, Bofor bars, Cascade Fingers
- ▶ Total screening area: 6.7m² (72ft²)

Midgrade conveyor

- ▶ Belt width: 650mm (26")
- ▶ Belt spec: chevron belt
- ▶ Working Angle: 25°
- ▶ Speed: variable speed, 185 m/min max belt speed
- ▶ Standard Discharge Height: 3.68m (12' 1")
- ▶ Stockpile capacity: 75m³ (98yd³)



Powerunit

- ▶ Stage V: CAT C2.2
Engine Power: 55kW (74hp)
Engine Speed: 2300 rpm
- ▶ Tier 4F / Stage IV: Caterpillar C3.4
Engine Power: 55kW (73.8hp)
Engine Speed: 2300 rpm

Fines conveyor

- ▶ Belt width: 650mm (26")
- ▶ Belt spec: plain belt
- ▶ Working Angle: 25°
- ▶ Rosta scraper on head drum
- ▶ Speed: variable speed, 185 m/min max belt speed
- ▶ Standard Discharge Height: 3.85m (12' 8")
- ▶ Stockpile capacity: 85m³ (111yd³)

Oversize conveyor

- ▶ Belt width: 1m (40")
- ▶ Belt spec: Chevron
- ▶ Working Angle: 15° - 24°, hydraulic adjust
- ▶ Speed: Variable speed, 115 m/min max belt speed
- ▶ Impact bars 2/3 Length of Conveyor
- ▶ Steel skirted full length of conveyor
- ▶ Discharge Height: 3.5m (11' 6")
- ▶ Stockpile capacity: 64m³ (83.8yd³) max

Undercarriage

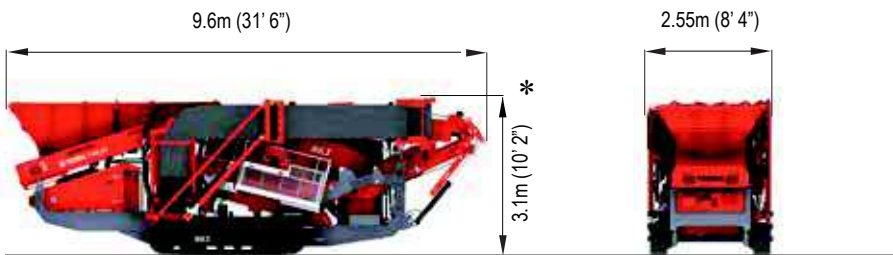
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.5m (8' 2")
- ▶ Dual speed tracking
High speed: 1.6kph
Low speed: 0.9kph
- ▶ Gradeability: 39°
- ▶ Raking Angle: 9° min

Transfer conveyor

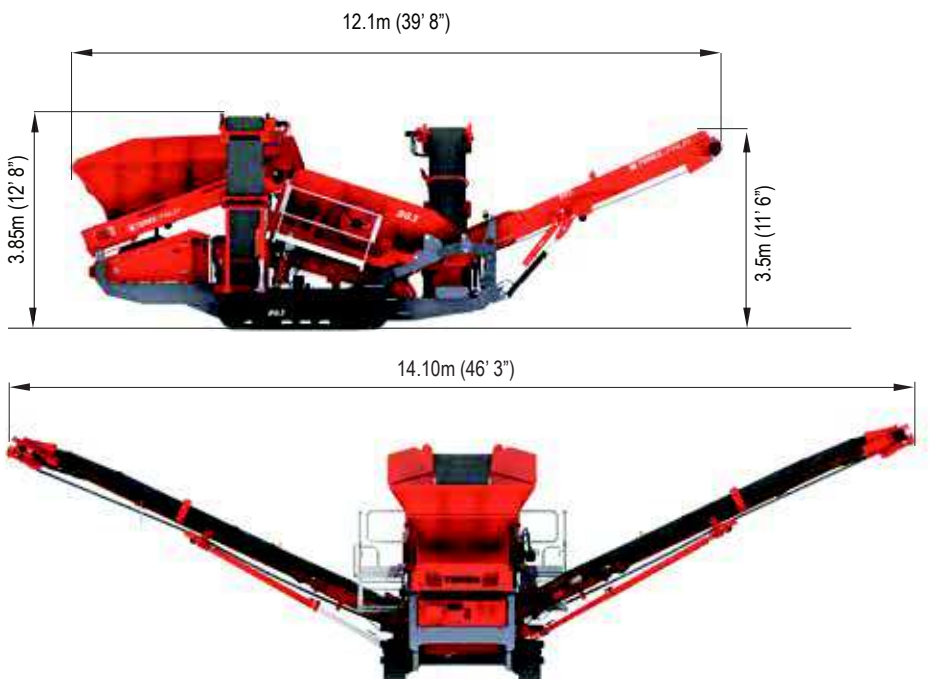
- ▶ Belt width: 1m (40")
- ▶ Belt spec: 3 ply Belt, EP 400
- ▶ Belt Speed: 145 m/min max belt speed
- ▶ Conveyor fully skirted
- ▶ High spec scraper at head drum

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TRANSPORT DIMENSIONS



WORKING DIMENSIONS



MACHINE WEIGHT: **18,300kg (40,350lbs*)**
With Belt feeder

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