

890

HEAVY DUTY SCREEN



SPECIFICATION:

Screen Size:	Top deck:	6100mm x 1830mm (20' x 6')
	Bottom deck:	5500mm x 1830mm (18' x 6')
Net Engine Power:	Tier 4F / Stage V:	Caterpillar C4.4 129kW (173hp)
Portability:	Track Mounted	
Operating Weight:	37,000kg (81,571lbs)	

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

 **FINLAY**®
A TEREX BRAND

HEAVY DUTY SCREEN

HOPPER/FEEDER

Hopper Capacity: 6.2m³ (8.1 yd³) 11m³ (14.4yd³) with extensions

Feed height: 4.9m (16' 1") highest point

Feed in width: 2.75m (9') at widest point

Drive: Twin Hydraulic variable speed drive (0-18rpm) via high torque gearbox

Beltfeeder with 1500mm (59") plain belt

Optional hydraulic folding hopper extensions



Feeder

SCREEN BOX

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

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

Side tensioned or modular top deck

End tensioned or modular bottom deck

Hydraulic screen angle adjustment 13° - 17°

Jack-up screen facility for access to screen media

Galvanised maintenance platforms on both sides of screen - folds for transport.

Maximum feed size 450mm (18") based on piece density or 1,600kg/m³. Maximum allowable feed size may vary depending on material type and screenbox media

Stroke: 8mm at 1000rpm



Screenbox

OVERSIZE CONVEYOR

Belt width: 1.6m (64") Chevron Belt

Variable speed twin drive

Working Angle: 18° - 24°, manual adjust

Impact bars 1/2 Length of Conveyor (Optional full length)

Optional high speed single drive

Discharge Height: 3.85m (12' 8")

Stockpile capacity: 85m³ (111yd³)



Oversize Conveyor

TRANSFER CONVEYOR

Belt width: 1.4m (56")

Conveyor fully skirted

Optional Jack up facility for maintenance

Optional secondary scraper

FINES CONVEYOR

Belt width: 1050mm (42")

Belt spec: plain belt (optional chevron belt)

Working Angle: 20° - 24°

Rosta scraper on head drum

Variable speed

Standard Discharge Height: 4.1m (13' 5")

Stockpile capacity: 103m³ (135yd³) max



Fines Conveyor

MIDGRADE CONVEYOR

Belt width: 1050mm (42")
 Belt spec: chevron belt (optional plain belt)
 Working Angle: 20° - 26° max
 Variable speed
 Standard Discharge Height: 4.1m (13' 5")
 Stockpile capacity: 103m³ (135yd³)

POWERUNIT

LRC: Caterpillar C4.4 (contact Finlay team for availability)
 Engine Power: 129kW (173hp)
 Engine Speed: 2200 rpm

Tier 4F / Stage V: Caterpillar C4.4
 Engine Power: 129kW (173hp)
 Engine Speed: 2200 rpm

Stage V: Caterpillar C4.4
 Engine Power: 129kW (173hp)
 Engine Speed: 2200rpm

TANK CAPACITIES

Hydraulic Tank Capacity: 450 litres / 98 UK gal / 119 US gal
 Fuel Tank Capacity: 336 litres / 73 UK gal / 88 US gal
 Urea Tank Capacity: 19 litres / 4.2 UK gal / 5 US gal

UNDERCARRIAGE

Shoe Width: 500mm (1' 8")
 Sprocket Centres: 3.840m (12' 7")
 Speed: 0.92kph
 Gradeability: 35°

ELECTRICAL SPECIFICATION - HYBRID (OPTIONAL)

2 x electric motors, 1 x 75kW (100hp) and 1 x 55kW (73hp)
 IE3 electric motors c/w hydraulic gear pumps and electrical control panel allowing machine to run in either Diesel or Electric mode. Suitable for voltage supplies varying from 380V – 440V at 50Hz frequency.



T-LINK TELEMATICS

T-Link telematics hardware and software along with free seven year data subscription are fitted and installed as standard.



Midgrade Conveyor

OPTIONAL EQUIPMENT:

Feeder medium speed, twin gearbox drive (0-34 RPM) - Recommended for Biomass. Please discuss with applications team prior to order if you intend to run in this application

Rubber blanket for over the screenbox for material retardation

Impact bars full length of oversize conveyor

Impact bars fitted to middle grade conveyor feedboot

Impact bars fitted to fines conveyor feedboot

Magnetic Drive drum and chutes on Oversize Conveyor

Magnetic Drive drum and chutes on Mid Grade Conveyor (chute removed for transport)

Magnetic Drive drum and chutes on Fines Conveyor (chute removed for transport)

Middle grade conveyor discharging on RHS of machine

Fines Conveyor discharging on LHS of machine

Fines conveyor fitted with a chevron belt

2 Way Split Version. Middle Grade conveyor removed and Oversize conveyor collecting of both screen decks.

Secondary belt scraper on transfer conveyor

Transfer conveyor service lift for maintenance

Radio remote control of tracks

68 grade hydraulic oil

Auto Lubrication system

Middle grade conveyor fitted with a plain belt

Oversize conveyor with high speed drive (0-100RPM)- Recommended for Biomass. Please discuss with applications team prior to order if you intend to run in this application

HEAVY DUTY SCREEN

FINES CONVEYOR

- Belt width: 1050mm (42")
- Belt spec: plain belt (optional chevron belt)
- Working Angle: 20° - 24°
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SCREENBOX

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Engine Power: 129kW (173hp)
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OVERSIZE CONVEYOR

- Belt width: 1.6m (64") Chevron Belt
- Working Angle: 18° - 24°, manual adjust
- Impact bars 1/2 Length of Conveyor (Optional full length)
- Discharge Height: 3.85m (12' 8")
- Stockpile capacity: 85m³ (111yd³)

TRANSFER CONVEYOR

- Belt width: 1.4m (56")
- Conveyor fully skirted
- Optional Jack up facility for maintenance

UNDERCARRIAGE

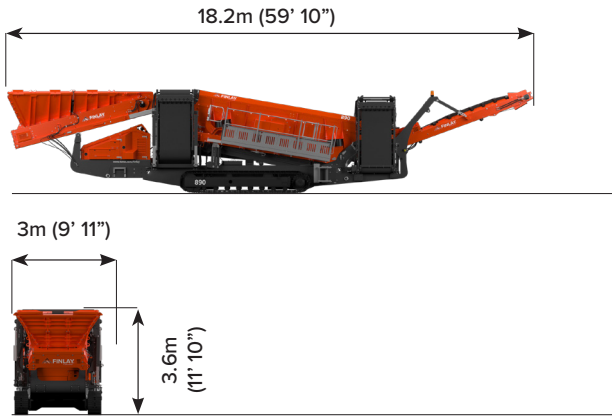
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- Sprocket Centres: 3.840m (12' 7")
- Speed: 0.92kph
- Gradeability: 35°

MIDGRADE CONVEYOR

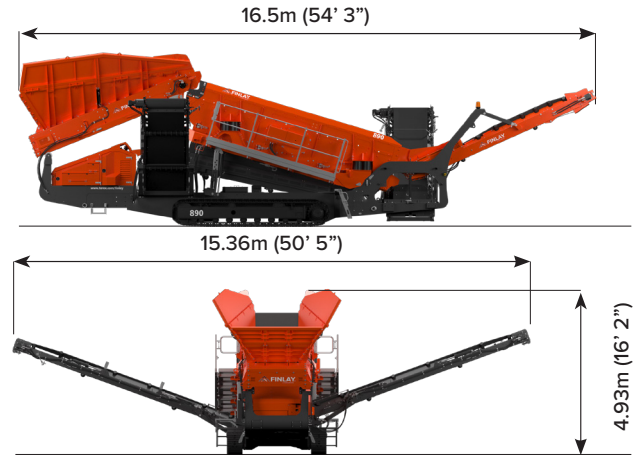
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TRANSPORT DIMENSIONS



WORKING DIMENSION



MACHINE WEIGHT: * 37,000KG (81,571LBS)
 (STANDARD MACHINE CONFIGURATION)