

PRODUCT
SPECIFICATION

 **TEREX**[®]

 **ECOTEC**

TTS 518

TROMMEL



COMPACT & EFFICIENT SCREENING

Compact yet uncompromised, the TTS 518 has been intuitively designed offering operators unrivalled application flexibility, production rates and serviceability. Fully equipped with a Stage V/Tier 4 engine (Dual Certified) and the latest intelligent screening technology, the TTS 518 delivers a superior and cost-efficient end-product. Ideal for small to medium sized operations where space may be limited, the highly versatile TTS 518 is available in both tracked and wheeled variants and can screen a variety of material including compost, biomass, soil, gravel and waste.



TTS 518

Quick & Easy Set Up, No Tooling Required



The TTS 518 features an intuitive control system and 'push to start' buttons allowing the operator to effortlessly configure the machine to suit the required application. The intelligent feed control system continually monitors the machine adjusting the feeder speed to optimise screening performance and throughput. Being driven at the head, the feeder provides an excellent and continuous feed rate, reducing slippage in difficult applications. The feeder has also been designed as a slide out cassette which allows for easy maintenance and quick and simple belt changing. The clear tunnel area underneath the feeder prevents material build up and allows any material in this area to drop directly onto the ground.

Providing a total screening area of 23m² the TTS 518 is fitted with a 1.8m x 4.7m horizontal drum with spiral design. With double-sided drum access via 180 degrees opening side doors, maintenance and

drum changes can be carried out with ease. The TTS 518 has been designed to accept a number of other trommel manufacturers' drums, enabling it to integrate seamlessly into an operators existing fleet.

The TTS 518 is fully equipped with the latest Stage V engine requirements and has been designed to provide excellent fuel efficiency and low operating costs. The swing out engine cradle provides unprecedented service access enabling daily checks and maintenance to be carried out safely from ground level. All the conveyors are fully modular allowing each to be removed independently, with the fines and oversize also lowering to ground level for maintenance.

An adaptable trommel suitable for all market conditions, the TTS 518 is available as a full EU Whole Vehicle Type Approved wheeled unit or as a tracked unit where increased site mobility is required.

KEY FEATURES



Double-sided unrestricted drum access via two large swing-out doors, enabling easy maintenance and cleaning



Easily replaceable 4.7m (15'5") x 1.8m (5'1") punch plate drum which is compatible with the Doppstadt SM 518



Advanced feeder control system offering efficient operation and maximised output

Fully sealed feeder reducing spillage

The feeder belt is driven at the head drum via a powerful recessed gearbox and hydraulic motor reducing belt spillage



Swing out engine cradle providing operators with unrivalled maintenance access



User-friendly push button control system with Automatic Start / Stop function and Automatic Feeder Mode



All conveyors are built to an individual modular design reducing maintenance downtime

Fines and oversize conveyors lower to ground level hydraulically

Advanced sealing and feedboot design ensure smooth material transfer and stockpiling



Low engine speed for reduced noise and fuel consumption

TECHNICAL DATA



TRANSPORT DIMENSIONS (TRACKED)

Width: 2.9m (9' 5")
Height: 3.4m (11' 2")
Length: 9.8m (32' 2")
Weight: 18,000kg (40,000 lbs) approx.

TRANSPORT DIMENSIONS (WHEELED)

Width: 2.55m (8' 4")
Height: 4.0m (13' 2")
Length: 11.3m (37' 1")
Weight: 17,200kg (37,480 lbs) approx.

WORKING DIMENSIONS (TRACKED)

Width: 7.1m (23' 3")
Length: 13.3m (43' 8")
Feed Height: 2.8m (9' 2")

WORKING DIMENSIONS (WHEELED)

Width: 7.4m (24' 3")
Length: 14.7m (48' 3")
Feed Height: 2.85m (9' 4")

HOPPER AND BELT FEEDER

5.0m ³ (6.5yd ³) capacity
4.0m (13' 1") feeder length
1050mm (41") 3 ply plain belt, 5 + 1.5 covers
Head drum drive system with compact gearbox solution
Slide out feeder cassette for maintenance
Hopper extensions

DRUM

4.7m (15' 5") Length
1.8m (5' 1") Diameter
Single welded chain and drive sprocket
Compatible with Doppstadt SM 518
Horizontal drum
Spiral design for material transfer
Easily removable for maintenance and application flexibility
Active running pressure monitoring system to adjust feed rate
Full drum clean brush; Tracked Machine - ø500mm, 3.5mm bristle, hydraulic folding Wheeled Machine - ø600mm, 3.5mm bristle, hydraulic folding
1 piece drum door opening both sides

POWERUNIT & CONTROL

CAT C2.2 55kW (74HP) Stage V / Tier 4 Final (Dual Certified)
CAT C4.4 62kW (83HP) Stage IIIA (Option)
Hydrostatic drum and feeder drive
Fuel tank capacity 320L (70 gal)
Swing out engine for maintenance
User friendly control system

COLLECTION CONVEYOR

1400mm (55") 3 ply plain belt, 4 + 2 covers
Cassette style - removable for maintenance
Head drum ø184mm
Rear deflector plate to adjust loading point onto transfer conveyor

TRANSFER CONVEYOR

600mm (24") 3 ply plain belt, 4 + 2 covers
Cassette style - removable for maintenance
Head drum ø184mm

FINES DISCHARGE CONVEYOR

800mm (31") 3 ply chevron belt, 3 + 1.5 covers
Discharge Height; Tracked Machine - Max 3.2m (10' 6") Wheeled Machine - Max 3.1m (10' 5")
Discharge LHS
Head drum ø184mm

OVERSIZE CONVEYOR

1000mm (39") 3 ply chevron belt, 3 + 1.5 covers
Discharge Height: Max 3.4m (11' 2")
Head drum ø184mm
Variable speed control

TRACKED UNDERCARRIAGE

Bolt on tracks
400mm (16") shoe
3500mm (11' 5") sprocket centres

BOGIE

2 axles, 8 studs
Max speed 80km/h (50mph)
ABS
Suspension type leaf spring
Super single c/w 385/55 R22 tyres
Pintle hook design
European Whole Vehicle Type Approval

OPTIONS

Remote control
Reversing engine fan
Remote control tipping grid
CAT C4.4 62kW (83HP) Stage IIIA
Auxiliary oil supply connection (1) 17 lpm
Magnetic head drums
Punch plate or mesh drum
Telematics
Different colour

CUSTOMER SUPPORT

With you every step of the way

We work with our customers to understand their equipment needs to select the product most suited to their business requirements. Terex Ecotec customer support incorporates a range of services including parts, technical support, warranty and financial services.



The Right Part at the Right Time

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 **TEREX**[®]

 **ECOTEC**

TTS 620

TROMMEL



THE ULTIMATE IN TROMMEL DESIGN

Terex Ecotec's TTS 620 is the ultimate in modern trommel design, offering operators unrivalled application flexibility, production rates and serviceability. A highly efficient engine and hydraulic drive system combined with advanced material processing control system offer maximum production combined with minimum costs. It is ideally suited for screening compost, biomass, soil, gravel & waste.



TTS 620

Unprecedented levels of service access catapults the TTS 620 into a league of its own.



An intuitive push button control panel allows the operator to easily configure the machine to suit the required application while the intelligent feeder control system continually adjusts the feeder speed to optimize screening rates. Special consideration has been given to minimize change out time for the screening drum. The process, which takes a matter of minutes, places the TTS 620 as a market leader. The machine has also been designed to accept a number of other manufacturers screening drums allowing customers to smoothly integrate the TTS 620 into established fleets.

Unprecedented levels of service access catapults the TTS 620 into a league of its own. All conveyors are built to a modular design allowing each one to be removed independently for ease of maintenance. The swing out engine cradle gives operators

unrestricted ground level access to all service components. Hinged doors on both sides of the trommel drum offers unobstructed access for maintenance and cleaning.

The machine has been designed to run at a low engine RPM, reducing fuel usage, emissions and noise levels. Three engine options are available dependent on geographic areas and emission regulations; Stage V for EU, Tier 4 Final for USA and Stage IIIA for ROW.

Due to ever changing market conditions and demands of the modern trommel the machine will be available in wheeled, pintle drawbar, or tracked configurations.

KEY FEATURES



Double sided unrestricted drum access via two large swing out doors allows for easy maintenance and cleaning



Easily replaced 5.5m (18') x 2m (6'7") punch plate drum which is compatible with the Doppstadt SM620 and Neuenhauser 6020



Advanced feeder control system offering efficient operation and maximised output

Fully sealed feeder reducing spillage

The feeder belt is driven at the head drum via a powerful recessed gearbox and hydraulic motor reducing belt slippage



Swing out engine cradle giving operators unrivalled levels of maintenance access



All conveyors are built to an individual modular design to reduce maintenance downtime

Advanced sealing and feedboot design ensures smooth material transfer and stockpiling

Reversible engine fan and removable pre filter grill provide maximum protection for the engine air intake and cooling radiator



TECHNICAL DATA

TRANSPORT DIMENSIONS	DRUM
Width: 2.5m (8' 2")	5.5m (18' 1") Length
Height: 4.0m (13' 2")	2.0m (6' 7") Diameter
Length: 12.0m (39' 4")	Double welded chain and drive sprocket
Weight: 19,000kg (41,888 lbs)	Compatible with Doppstadt SM620
	Horizontal drum
	Spiral design for material transfer
	Easily removable for maintenance and application flexibility
	Active running pressure monitoring system to adjust feed rate
	Full drum clean brush; Wheeled Machine ø600mm, 3x5mm bristle, hydraulic folding Tracked machine ø500mm, 3x5mm bristle, hydraulic folding
	1 piece drum door opening both sides
TRANSPORT DIMENSIONS (TRACKED MACHINE)	POWERPACK & CONTROL
Width: 3.0m (9' 10")	CAT C4.4 Stage V, 102kW, 1500rpm
Height: 3.4m (11' 2")	CAT C4.4 Tier IV Final, 82kW, 1500rpm
Length: 10.5m (34' 5")	CAT C4.4 Stage IIIA (Constant Speed), 98kW, 1500rpm
Weight: 24,000kg (52,911 lbs) approx.	Hydrostatic drum and feeder drive
	Fuel tank capacity 320L (70 gal)
	Swing out engine for maintenance
	Push button operation
	Reversing cooling fan on both engine options
WORKING DIMENSIONS	COLLECTION CONVEYOR
Width: 6.9m (22' 8")	1400mm (55") 3 ply plain belt, 4 + 2 covers
Length: 15.5m (51')	Cassette style - removable for maintenance
Feed height: 2.85m (9' 4")	Head drum ø184mm
	Rear deflector plate to adjust loading point onto transfer conveyor
	Pressure monitoring system to enable feeder kick out
WORKING DIMENSIONS (TRACKED MACHINE)	TRANSFER CONVEYOR
Width: 6.9m (22' 8")	800mm (32") 3 ply plain belt, 4 + 2 covers
Length: 14.1m (46' 5")	Cassette style - removable for maintenance
Feed height: 2.85m (9' 4")	Head drum ø184mm
HOPPER AND BELT FEEDER	
5.5m ³ (7.2yd ³) capacity	
2.85m (9' 4") feed in height	
4m (13' 1") feeder length	
1200mm (47") 3 ply plain belt, 5 + 1.5 covers	
Head drum drive system with compact gearbox solution	
Slide out feeder cassette for maintenance	
Hopper extensions	

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CUSTOMER SUPPORT

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 **ECOTEC**

PHOENIX 2100T

TROMMEL SCREEN



SUPERIOR SCREENING

A tracked variant of the market leading Phoenix 2100 trommel, the Phoenix 2100T has been intuitively designed offering operators unrivalled throughput, application flexibility and serviceability. Fully equipped with a Stage V/Tier 4 Final engine and the latest intelligent screening technology, the Phoenix 2100T delivers superior screening efficiency. Ideal for medium sized operations it can accurately screen a variety of materials including compost, biomass, soil, green waste, C&D waste and aggregates.

PHOENIX 2100T

Purposefully engineered to provide improved service and maintenance access.

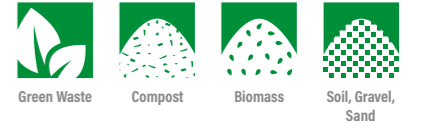


With a rapid set up time the Phoenix 2100T is ready to work in minutes with no tooling required. The user-friendly control system with push button start/stop offers simple operation and diagnostics, allowing the operator to effortlessly configure the machine to suit the required application. The fully proportional, hydrostatic feeder combined with an intelligent control system continually monitors the machine adjusting the feeder speed to optimise screening performance and throughput.

The Phoenix 2100T is fitted with a 6.45m (21' 2") x 1.94m (6' 4") screening drum with heavy duty mesh or punch plate options available ensuring that all application requirements are met. Equipped with a powerful hydrostatic four-wheel drive system the Phoenix 2100T offers unrivalled start up torque and screening efficiency. With a fully independent track subframe the drum screening angle can be adjusted from 0° - 7° whilst in operation. Maintenance and inspection can be carried out with ease due to the side drum access.

Powered by a 102kW (137HP) CAT C4.4 Stage V / Tier 4 Final engine, the Phoenix 2100T offers the perfect blend of power and efficiency, reducing operating costs. Both noise and emission levels are reduced due to the machine running at a lower engine RPM. The swing out power unit provides unprecedented service access enabling daily checks and maintenance to be carried out from ground level. The 180° radial fines conveyor with a variable discharge height of up to 5.3m can be remote controlled whilst in operation, maximising stockpile capacity. Both the radial fines and oversize conveyors lower to ground level hydraulically for maintenance. Manoeuvred via heavy duty crawler tracks, the Phoenix 2100T offers increased site mobility and is a great solution for difficult terrain.

KEY FEATURES



A powerful four-wheel drive system with high performance friction grip wheels is used to turn the trommel drum, giving operators the ability to run it bi-directionally



6.45m (21' 2") x 1.94m (6' 4") screening drum with heavy duty mesh or punch plate options offering application flexibility



Fully proportional, hydrostatic feeder with an intelligent control system optimising screening performance and throughput



Swing out engine cradle providing operators with unrivalled maintenance access



User-friendly push button control system with Auto Start / Stop function and Automatic feeder mode



Reversible engine fan (option) and removable pre filter grille provide maximum protection for the engine air intake and cooling pack



Remote controlled 180° radial fines conveyor with variable discharge height, offering maximum stockpile capacity

TECHNICAL DATA



TRANSPORT DIMENSIONS

Width: 2.94m (9' 8")
Height: 3.38m (11' 1")
Length: 17.5m (57' 5")
Weight: 31,000kg (68,343 lbs) (dependent on options)

WORKING DIMENSIONS (5° DRUM ANGLE)

Width: 15.9m (52' 2")
Length: 26.77m (87' 10")
Feed Height: 5.4m (17' 9")

HOPPER & BELT FEEDER

8.5m ³ (11.1yd ³) capacity
4.3m (14' 1") feeder length
3.3m (10' 10") feed in height
1200mm (47") 3 ply plain belt, 4 + 2 covers
Variable speed control c/w load sensing and automatic feeder shutdown
Hopper extensions

DRUM

6.45m (21' 2") Length
1.94m (6' 4") Diameter
Friction four-wheel drum drive system
Variable speed control
Mesh or Punch plate panels
Inclined drum
Variable operating angle 0° - 7°
Tumbling action c/w nylon cleaning brushes
Service access doors for maintenance

POWERUNIT & CONTROL

CAT C4.4 102kW (137HP) Stage V / Tier 4 Final CAT C4.4 98kW (131HP) LRC (option)
Fuel tank capacity 326L (72 gal) (86 US gal)
Hydraulic tank 260L (57 gal) (69 US gal)
Swing out engine for maintenance
Excellent service access
Powerful hydraulics

COLLECTION CONVEYOR

1200mm (47") 3 ply plain belt, 4 + 2 covers
Fully skirted and sealed

FINES DISCHARGE CONVEYOR (5° DRUM ANGLE)

900mm (35") 3 ply plain belt, 4 + 2 covers
Remote control 180° swivel
Variable operating angle 5° - 23°
Discharge height 5.3m (17' 5") @ 23°
Hydraulic folding

OVERSIZE CONVEYOR (5° DRUM ANGLE)

1050mm (41") 3 ply chevron belt, 4 + 2 covers
Full length skirting
Variable speed control
Hydraulic folding
Variable operating angle 19° - 30°
Discharge height 4.03m (13' 3") @ 30°

TRACKED UNDERCARRIAGE

5m (16' 5") Tracks
2 speed

OPTIONS

Remote control tipping grid
Heavy duty woven mesh
Punch plate
Reversing cooling fan
Telematics
Advanced remote control for multi-function and machine tracking
Additional hopper side extensions
Front hydraulic support legs
Different paint colour

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